

Joshua Cook, P.E.
Professional Engineer 1
New York State Department of Environmental Conservation
615 Erie Blvd West, Syracuse, NY 13204

April 19, 2022

C734138
Bristol-Myers Squibb
Response to Comments for
Addendum to Workplan for
Supplemental Aldehydes
Performance Testing

Dear Mr. Cook,

Thank you for your response letter of 7 April to B&B/Geosyntec's 21 March 2022 Workplan. We understand NYSDEC's concerns with respect to the reliability of Method 8315A at concentrations below the reporting limit (RL) of 60 parts per billion (ppb) (for formaldehyde). We also concur with NYSDEC's perspective on trying to differentiate results that may be attributable to inadequate analytical performance or potential interferences.

Therefore, in addition to the previously described plan to interpret future aldehyde detections in groundwater, especially J-values below the RL, in the broader context of parameters (e.g., ammonia, amines, etc.) that may be correlated with aldehydes, we propose to modify the performance testing as follows to address the specific issues raised by NYSDEC. Specifically, the modified scope will:

1. Include the range of aldehyde concentrations from the RL to 100 ppb, the concentration at which Method 8315A has already been demonstrated to be reliable, and
2. Enable evaluation of method reliability at formaldehyde concentrations at concentration intervals of 60 ppb, 80 ppb, and 100 ppb both individually and in the presence of potential interferences (e.g., acetone, methanol, and ethanol).

The proposed revisions to the performance testing are as follows (and includes the rationale for each standard):

STANDARD #	STANDARD DESCRIPTION	PURPOSE/RATIONALE
1	60 ppb Formaldehyde only	Assess method reliability at the RL
2	60 ppb Formaldehyde with 60 ppb Acetone, Methanol, and Ethanol	Assess method reliability at the RL in the presence of potential interferences
3	80 ppb Formaldehyde only	Assess method reliability at the mid-way concentration between RL and 100 ppb

STANDARD #	STANDARD DESCRIPTION	PURPOSE/RATIONALE
4	80 ppb Formaldehyde with 80 ppb Acetone, Methanol, and Ethanol	Assess method reliability at the mid-way concentration between RL and 100 ppb in the presence of potential interferences
5	100 ppb Formaldehyde with 100 ppb Acetone, Methanol, and Ethanol	Previous testing evaluated 100 ppb Formaldehyde only; Assess method reliability at 100 ppb Formaldehyde in presence of potential interferences

With the exception of the revised scope for the standards, all other elements of the 21. March Workplan will be conducted as previously proposed. Please advise at your earliest convenience if these modifications are acceptable to NYSDEC. We would like to complete this performance testing as expeditiously as possible and prior to planned groundwater sampling at the Syracuse site in May 2022. Thank you for working closely with us.

Please reach out to Anne Locke (anne.locke@bms.com or 315-432-2660) if you have any questions.

Sincerely,



Ketan Gujarathi
Senior Director, General Manager, Syracuse

EHS Central Files

Ec: Gary Priscott (NYSDEC)
Scarlett McLaughlin (NYSDOH)
Sara Bogardus (NYSDOH)
Kirk Wolfgang (BMS)
Anne Locke (BMS)
Richard Mator (BMS)
William Pufko (BMS)
Ron Arcuri (Geosyntec)
Dan Elliott (Geosyntec)
Susan B. Welt (B&B)

March 21, 2022

Mr. Joshua Cook, P.E.
Professional Engineer 1
New York State Department of
Environmental Conservation, Region 7
615 Erie Boulevard West
Syracuse, NY 13204

Subject: Bristol-Myers Squibb North Campus Restoration Area, Site ID No. #C734138
Village of East Syracuse, Town of DeWitt, Onondaga County
Addendum to Workplan for Supplemental Aldehydes Performance Testing

Dear Mr. Cook:

On behalf of Bristol-Myers Squibb (BMS), B&B Engineers & Geologists of New York, P.C., an affiliate of Geosyntec Consultants, Inc. (Geosyntec), has prepared this addendum to the November 2022 *Workplan for Supplemental Groundwater Monitoring* (Workplan) for the Syracuse North Campus Restoration Area or Brownfield Development Area (BDA, also known as “Site”) which was approved by the New York State Department of Environmental Conservation (NYSDEC) on November 5, 2021. Aldehyde performance standards were prepared and analyzed to assess method accuracy at different concentration ranges and in the presence of co-analytes which could cause interferences. This testing was conducted in December 2021 and January 2022 as detailed in the Workplan. The results indicated that the analytical method was accurate at concentrations of 100 and 500 micrograms per liter ($\mu\text{g/L}$) but was significantly less reliable at concentrations approximating the NYSDEC TOGS value of 8 $\mu\text{g/L}$ for aldehydes. These results were discussed with the NYSDEC via a virtual meeting on February 14, 2022.

This addendum presents the rationale for the performance standards testing approach set forth in the Workplan and the agreed upon supplemental aldehyde performance standards testing to be conducted to enhance statistical rigor and address the data gaps (e.g., aldehyde concentrations between 30-75 $\mu\text{g/L}$) identified during the initial testing. Conference call meeting notes, presentation slides and analytical reports for the testing completed to date are provided as **Attachments 1 through 3**, respectively.

Subsequent sections of this addendum briefly summarize the background and implications regarding laboratory reporting of aldehydes in Site groundwater samples, the results from initial performance testing, and proposed supplemental performance testing.

Background

Since 2017, aldehydes (e.g., formaldehyde and acetaldehyde specifically) have been routinely reported in groundwater samples collected from multiple hydrostratigraphic units within the BDA and in downgradient locations at concentrations ranging from tens to hundreds of µg/L. While formaldehyde and, to a lesser extent, acetaldehyde are almost always reported, volatile organic compounds (VOC) and semi-volatile organic compounds (SVOC) are often detected at a much lower frequency in most Site monitoring wells. Moreover, except for a few source area wells such as BDA-4UT, BDA-11WT, and CHP43RX, the reported aldehydes concentrations often exceed the VOC and SVOC detections.

While often present as transient constituents in post-oxidization drinking waters, aldehydes are rather uncommon groundwater contaminants due to their intrinsic reactivity and brief environmental half-lives. Therefore, the frequency of laboratory reporting of aldehydes in Site and downgradient groundwater samples is anomalous and unusual.

In addition, certain factors may be impacting the reliability of the existing aldehydes dataset, including: (1) laboratory reporting limits of 50-60 µg/L and a method detection limit (MDL) of 27 µg/L using SW-846 Method 8315A relative to the NYSDEC TOGS of 8 µg/L, and (2) the presence of acetone, methanol and ethanol in Site groundwater, which can cause interferences with SW-846 Method 8315A.

Collectively, these factors raised concerns regarding the reliability of the analytical method. The performance testing described in the Workplan was intended to provide insights into method efficacy.

Results from Initial Performance Testing

In accordance with the Workplan, Absolute Standards, Inc. (Hamden, CT) was contracted to prepare the standard samples of known composition, which were blindly submitted to Eurofins Lancaster Laboratories (Lancaster, PA), a New York Environmental Laboratory Approval Program (ELAP) certified laboratory, for analysis in accordance with the Quality Assurance Project Plan¹. These standards featured varying concentrations of formaldehyde as well as acetone, methanol, and ethanol, three constituents of potential concern (COPC) with the potential to cause method interferences, as follows:

1. High-range (December 2021 sample) – 500 µg/L formaldehyde, 500 µg/L acetone, 500 µg/L methanol, and 500 µg/L ethanol;

¹ Prepared by O'Brien & Gere in 2013, with an addendum prepared by Arcadis on behalf of BMS as part of the *Groundwater Remedy Pre-Design Investigation and Supplemental Sampling Work Plan* in August 2018 and approved by NYSDEC in September 2018.

2. Low-range (December 2021 and January 2022 samples) – 10 µg/L formaldehyde, 50 µg/L acetone, 50 µg/L methanol, and 50 µg/L ethanol; and,
3. Mid-range (December 2021 sample) – 100 µg/L formaldehyde.

Overall, the laboratory analytical results correlated well with the prepared standard concentrations for the mid- and high-range aldehyde (e.g., 100 and 500 µg/L, respectively) standards. However, SW-846 Method 8315A proved to be significantly less reliable for the detection of low-range (e.g., 10 µg/L) formaldehyde, methanol and ethanol concentrations as the laboratory analytical results did not correlate with the low-range standard. The poor correlation at the low range is likely at least partially attributable to the fact that the actual MDL reported by Eurofins is 27 µg/L. At this juncture, it is unclear whether interferences or other factors contributed to the significant over-estimation of the formaldehyde concentration in the December 2021 low-range sample. Furthermore, as noted earlier, the MDL is almost three times the NYSDEC TOGS value of 8 µg/L.

Proposed Supplemental Performance Testing

As discussed during the virtual meeting on February 14, 2022, supplemental performance testing was proposed to: (1) enhance statistical significance of the results from the standard samples of known composition, which include the potential interfering COPC (i.e., acetone, ethanol, and methanol); and (2) assess SW-846 Method 8315A accuracy for performance standard samples with formaldehyde concentrations in the low- (e.g., 30 µg/L) and mid- (e.g., 50-75 µg/L) ranges.

The proposed testing will entail six (6) standard samples at the following aldehyde concentration ranges:

1. Low-range: 30 µg/L formaldehyde (two non-sequential duplicate samples);
2. Mid-range: 75 µg/L formaldehyde (two non-sequential duplicate samples);
3. Mid-range, high COPC: 50 µg/L formaldehyde, 500 µg/L acetone, 500 µg/L methanol, and 500 µg/L ethanol (one sample); and
4. Mid-range, low COPC (one sample): 50 µg/L formaldehyde, 50 µg/L acetone, 50 µg/L methanol, and 50 µg/L ethanol (one sample).

These standards will be prepared by Absolute Standards, Inc. and analyzed by Eurofins Lancaster Laboratories in accordance with the Workplan. The results of this additional performance standards testing will be presented to NYSDEC in a follow-up virtual meeting and the findings from the overall sampling program will be summarized in a letter report.

Mr. Joshua Cook, P.E.
March 21, 2022
Page 4

Please feel free to contact Richard Mator, Associate Director / Environment at (609) 252-4273 or Richard.Mator@BMS.com should you have questions regarding the proposed supplemental performance standards testing described herein which is anticipated to be conducted in March 2022.

Sincerely,



Daniel W. Elliott, Ph.D., BCEEM
Senior Consultant
Geosyntec Consultants, Inc.



Susan B. Welt, M.P.H., P.E. (NY)
Principal
B&B Engineers & Geologists of New York, P.C.

cc:

Sara Bogardus – NYSDOH
Tara Garcia, Esq. – BMS
Anne Locke – BMS
Richard Mator – BMS
William Pufko, Esq. – BMS
Kirk Wolfgang – BMS
Robert Tyson, Esq. – Bond
Ron Arcuri, P.G. (TN, TX) – Geosyntec Consultants, Inc.

ATTACHMENTS

ATTACHMENT 1

Conference Call Notes 2/14/22

Supplemental Groundwater Monitoring – BMS Syracuse
Aldehydes Performance Standards Evaluation
Conference Call Meeting Notes

Call Date

February 14, 2022

Attendees

NYSDEC: Joshua Cook, Dana Barbarossa, Gary Priscott

BMS: Anne Locke, Richard Mator

Geosyntec: Dan Elliott, Maggie Pittman

Presentation slides are attached.

Notes

Overall, general concurrence among all parties regarding path forward as presented for additional performance standards testing prior to the start of groundwater monitoring fieldwork at the Site.

Slides 1-6: Geosyntec presented, no questions /comments

Slide 7: Results of Preliminary Conclusions (of initial performance testing)

Dana (NYSDEC chemist) reviewed Category B lab reports and concluded that Method 8315A was performed accurately and there were no anomalies (e.g., DNPH was not contaminated, no aldehydes in blanks/prep). Dana agreed the low-range performance standards are pushing the low-end limit of Method 8315A and asked if it was possible to consider a drinking water method/lab. Geosyntec mentioned that the feedback from Eurofins Lancaster environmental lab was that this might be possible at a Eurofins drinking water lab but unlikely as there would be reservations given the potential for elevated concentrations of non-target constituents to adversely impact laboratory equipment (e.g., columns, etc.).

Geosyntec mentioned the non-conforming peaks in chromatograms for the low-range standards alcohols via Method 8015D. Geosyntec screen-shared the chromatograms in the lab reports (previously provided to NYSDEC) and noted that additional dilution was required. Geosyntec confirmed with Absolute Standards and Eurofins that the cause of the non-conforming peak was unknown.

Action Item: Geosyntec will review lab reports / chromatograms for historical groundwater samples to evaluate if the non-conforming peak occurred for the alcohol groundwater results (with aldehyde detections).

Slide 8: Next Steps and Considerations

NYSDEC agreed with the proposed additional performance standards testing to focus on formaldehyde concentrations at 50-100 µg/L (i.e., common detection range across the Site) (see slide 9).

NYSDEC also concurred with the proposed phased approach to analytical testing of future groundwater samples at the Site. The new approach will be to:

1. analyze for Site COPCs and secondary parameters (such as ammonia-N, TKN and amines),
2. if concentrations are low (e.g., 10 ppb), analyze for aldehydes since the potential for method interferences would be expected to be low.

ATTACHMENT 2

Presentation Slides

Supplemental Groundwater Monitoring – BMS Syracuse

Aldehydes Performance Standards Evaluation

Geosyntec[®]
consultants



- Brief Summary of Aldehyde Detections at BMS Syracuse
- NYSDEC Correspondence
- Performance Standards Evaluation for Aldehydes
 - Methodology
 - Results
- Next Steps

- Reported in many MWs at concentrations ranging from below MDL (27 $\mu\text{g/L}$) to hundreds of $\mu\text{g/L}$
 - Detected throughout BDA and downgradient GW as well as in multiple upgradient locations
 - Only formaldehyde and acetaldehyde detected
- Commonly encountered reactive, transient species in water treatment but relatively uncommon in groundwater
 - Aqueous half-lives ($t_{1/2}$) are very brief, especially under aerobic conditions ($\rightarrow$ $-\text{COOH}$ & CO_2). Longer $t_{1/2}$ under anaerobic conditions ($\rightarrow$ $-\text{OH}$ & methane and ethane)
 - Can form from a variety of precursors often via bacteriological and/or human metabolic pathways
- Detections in method blanks and other QA/QC issues led to concerns about method reliability
- Method 8315A is subject to potential interferences by methanol, acetone, & compounds that can react with 2,4-dinitrophenylhydrazine (DNPH), the derivatizing agent

Aldehydes Timeline in NYSDEC Correspondence

- *July 2019 Groundwater PDI and Supplemental Sampling Report*
 - January 31, 2020 NYSDEC comment letter
- *April 2020 Alternatives Analysis Report*
 - December 14, 2020 NYSDEC comment letter
- *August 2021 Workplan for Supplemental Groundwater Monitoring (Workplan)*
 - October 7, 2021 NYSDEC comment letter
- *November 2021 Revised Workplan and RTC Letter*
 - November 5, 2021 NYSDEC approval letter

- NYSDEC comment letters related to:
 - Aldehydes: widespread distribution (BDA and downgradient), detection in blanks, analytical method reliability, data gaps, potential sources
 - MNA potential to effectively degrade COPCs in source area and downgradient groundwater
- Supplemental groundwater sampling (Workplan) intended to:
 - Assess the ability of Method 8315A to detect aldehydes in standard samples of known composition with and without potentially interfering analytes
 - Further evaluate and characterize potential aldehyde precursors in representative monitoring wells
 - Evaluate MNA potential in select monitoring wells

Preliminary Performance Standards Evaluation

1. Absolute Standards, Inc. prepared standard samples of known composition
2. Blindly submitted to Eurofins Lancaster Laboratories (NELAP-certified)
3. Dec 2021 & Jan 2022 performance standards

Standard Range	Concentration (µg/L)			
	Formaldehyde	Acetone	Methanol	Ethanol
High	500	500	500	500
Mid	100			
Low ^(a)	10	50	50	50

(a) The low standard range was repeated in January 2022

Results and Preliminary Conclusions

- Good accuracy at Mid- and High-Range:

- 8315: Aldehydes >100 ppb ☒
- Acetone, MeOH, and EtOH ☒

- Less so at Low-Range:

- 8315: 1) Method is not reliable 2) MDL is 3X NYSDEC TOGS (8 ppb)
- 8260: Acetone ☒
- 8015: 1) Method reliability is questionable for both alcohols, contrasting with the performance in the High-Range standard

Concentrations (µg/L)	Formaldehyde (8315A)	Acetone (8260C)	Methanol (8015D)	Ethanol (8015D)
High-Range Standard	500	500	500	500
Lab Results	450	520	580 J	510 J
Mid-Range Standard	100			
Lab Results	110			
Low-Range Standard	10	50	50	50
Lab Results Dec-21	61	46 J	<220	<7,500
Lab Results Jan-22	<27	62 J	990 J	<150

- Proposed next steps:
 - Additional performance testing to: (1) enhance statistical significance, (2) assess method accuracy for performance standards between 50-100 µg/L → many detections in RI/PDI datasets in this range.
 - Secondary parameters including ammonia-N, total Kjeldahl nitrogen (TKN), and amines (from VOC & SVOC) will be added for future GW sampling. Others may be also considered.
 - Correlation analyses between aldehydes, secondary parameters, and alcohols in RI and PDI datasets to be run in: B1-4-5-8 source, upgradient & downgradient; CHAPA source, upgradient & downgradient; and B55 source, upgradient & downgradient.
 - Phased analytical approach for future GW analyses: (1) VOC/SVOC + secondary parameters → if detected/elevated, (2) aldehydes.
- Other (possible) considerations:
 - Evaluate possible Method 8315A modification (e.g., different derivatization scheme and/or detector) or potential use of drinking water method for aldehydes.

Additional Aldehydes Performance Standards

- **Low range:** two (2) 30 ppb formaldehyde only (duplicates, non-sequential)
- **Mid-range, high potential interference:** 50 ppb formaldehyde, 500 ppb acetone, 500 ppb methanol, 500 ppb ethanol
- **Mid-range, low potential interference:** 50 ppb formaldehyde, 50 ppb acetone, 50 ppb methanol, 50 ppb ethanol
- **Mid-High range:** two (2) 75 ppb formaldehyde only (duplicates, non-sequential)

ATTACHMENT 3

Performance Testing Laboratory
Analytical Reports

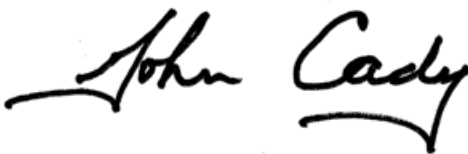
ANALYTICAL REPORT

Job Number: 410-63553-1

Job Description: BMS NY Site

For:

Geosyntec Consultants, Inc.
5313 Campbell's Run Road
Suite 150
Pittsburgh, PA 15205
Attention: Margaret Pittman



Approved for release.
John M. Cady
Senior Project Manager
12/28/2021 12:03 PM

John M Cady, Senior Project Manager
2425 New Holland Pike, Lancaster, PA, 17601
(832)763-8082
John.Cady@Eurofinset.com
12/28/2021
Revision: 1

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Job Number: 410-63553-1

Job Description: BMS NY Site

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.

- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Job Narrative
410-63553-1

Revision

The report being provided is a revision of the original report sent on 12/8/2021. The report (revision 1) is being revised due to samples switched by the lab for VOCs.

Receipt

The samples were received on 11/16/2021 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Receipt Exceptions

The following samples were received at the laboratory without a sample collection time documented on the chain of custody: High Range VOC PT Lot #111021 (410-63553-1), Low Range VOC PT Lot #111021 (410-63553-2) and Mid Range VOC PT Lot #110921 (410-63553-3). The sampling date/time will be noted when the ampules are opened.

GC/MS VOA

Method 8260C: The sample was analyzed 1 minute after the analytical tune time had expired. Data reported as per client request. High Range VOC PT Lot #111021 (410-63553-1)

Method 8260C: The continuing calibration verification (CCV) associated with batch 410-201735 recovered above the upper control limit for Acetone. Any detections are considered estimated. The associated samples are impacted: High Range VOC PT Lot #111021 (410-63553-1) and Low Range VOC PT Lot #111021 (410-63553-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

Method 8015D_DAI: The following sample was diluted due to the abundance of non-target analytes: Low Range VOC PT Lot #111021 (410-63553-2). Elevated reporting limits (RLs) are provided for ethanol.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-63553-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-63553-1	High Range VOC PT Lot #111021	Water	11/30/21 09:00	11/16/21 11:00
410-63553-2	Low Range VOC PT Lot #111021	Water	11/30/21 09:00	11/16/21 11:00
410-63553-3	Mid Range VOC PT Lot #110921	Water	11/30/21 09:00	11/16/21 11:00

Detection Summary

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-63553-1

Client Sample ID: High Range VOC PT Lot #111021

Lab Sample ID: 410-63553-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	520	cn	100	3.5	ug/L		5		8260C	Total/NA
Ethanol (2C)	510	J p	1000	150	ug/L		1		8015D	Total/NA
Methanol (2C)	580	J	1000	220	ug/L		1		8015D	Total/NA
Formaldehyde	450		60	27	ug/L		1		8315A	Total/NA

Client Sample ID: Low Range VOC PT Lot #111021

Lab Sample ID: 410-63553-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	46	J cn	100	3.5	ug/L		5		8260C	Total/NA
Formaldehyde	61		60	27	ug/L		1		8315A	Total/NA

Client Sample ID: Mid Range VOC PT Lot #110921

Lab Sample ID: 410-63553-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Formaldehyde	110		60	27	ug/L		1		8315A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Env, LLC

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-63553-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	ELLE
8015D	Nonhalogenated Organic Compounds - Direct Injection (GC)	SW846	ELLE
8315A	Carbonyl Compounds by HPLC	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
8015 DAI	Preparation, Direct Aqueous Injection	SW846	ELLE
8315A Prep	Solid Phase Extraction (SPE)	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-63553-1

Client Sample ID: High Range VOC PT Lot #111021

Lab Sample ID: 410-63553-1

Date Collected: 11/30/21 09:00

Matrix: Water

Date Received: 11/16/21 11:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	520	cn	100	3.5	ug/L			12/06/21 23:09	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103	cn	80 - 120					12/06/21 23:09	5
4-Bromofluorobenzene (Surr)	101	cn	80 - 120					12/06/21 23:09	5
Dibromofluoromethane (Surr)	97	cn	80 - 120					12/06/21 23:09	5
Toluene-d8 (Surr)	113	cn	80 - 120					12/06/21 23:09	5

Method: 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol (2C)	510	J p	1000	150	ug/L		12/02/21 08:34	12/03/21 18:30	1
Methanol (2C)	580	J	1000	220	ug/L		12/02/21 08:34	12/03/21 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Acetone (1C)	108		58 - 149				12/02/21 08:34	12/03/21 18:30	1
Acetone (2C)	92		58 - 149				12/02/21 08:34	12/03/21 18:30	1

Method: 8315A - Carbonyl Compounds by HPLC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	450		60	27	ug/L		11/30/21 10:33	11/30/21 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Butyraldehyde	108		39 - 153				11/30/21 10:33	11/30/21 18:08	1

Client Sample ID: Low Range VOC PT Lot #111021

Lab Sample ID: 410-63553-2

Date Collected: 11/30/21 09:00

Matrix: Water

Date Received: 11/16/21 11:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	46	J cn	100	3.5	ug/L			12/06/21 22:46	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103	cn	80 - 120					12/06/21 22:46	5
4-Bromofluorobenzene (Surr)	101	cn	80 - 120					12/06/21 22:46	5
Dibromofluoromethane (Surr)	97	cn	80 - 120					12/06/21 22:46	5
Toluene-d8 (Surr)	114	cn	80 - 120					12/06/21 22:46	5

Method: 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methanol (2C)	ND		1000	220	ug/L		12/02/21 08:34	12/03/21 18:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Acetone (1C)	101		58 - 149				12/02/21 08:34	12/03/21 18:48	1
Acetone (2C)	95		58 - 149				12/02/21 08:34	12/03/21 18:48	1

Method: 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol (2C)	ND	cn	50000	7500	ug/L		11/30/21 11:37	11/30/21 17:32	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Acetone (1C)	98	cn	58 - 149				11/30/21 11:37	11/30/21 17:32	50

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-63553-1

Client Sample ID: Low Range VOC PT Lot #111021

Lab Sample ID: 410-63553-2

Date Collected: 11/30/21 09:00

Matrix: Water

Date Received: 11/16/21 11:00

Method: 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC) - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Acetone (2C)	92	cn	58 - 149	11/30/21 11:37	11/30/21 17:32	50

Method: 8315A - Carbonyl Compounds by HPLC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	61		60	27	ug/L		11/30/21 10:33	11/30/21 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Butyraldehyde	100		39 - 153	11/30/21 10:33	11/30/21 18:19	1

Client Sample ID: Mid Range VOC PT Lot #110921

Lab Sample ID: 410-63553-3

Date Collected: 11/30/21 09:00

Matrix: Water

Date Received: 11/16/21 11:00

Method: 8315A - Carbonyl Compounds by HPLC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	110		60	27	ug/L		11/30/21 10:33	11/30/21 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Butyraldehyde	109		39 - 153	11/30/21 10:33	11/30/21 18:30	1

Surrogate Summary

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-63553-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
410-63553-1	High Range VOC PT Lot #11102	103 cn	101 cn	97 cn	113 cn
410-63553-2	Low Range VOC PT Lot #111021	103 cn	101 cn	97 cn	114 cn
LCS 410-201735/4	Lab Control Sample	100	100	97	112
MB 410-201735/6	Method Blank	103	101	98	112

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		Acetone1 (58-149)	Acetone2 (58-149)
410-63553-1	High Range VOC PT Lot #11102	108	92
410-63553-2 - DL	Low Range VOC PT Lot #111021	98 cn	92 cn
410-63553-2	Low Range VOC PT Lot #111021	101	95
LCS 410-199643/2-A	Lab Control Sample	93	95
LCS 410-200611/2-A	Lab Control Sample	91	84
LCSD 410-200611/3-A	Lab Control Sample Dup	93	85
MB 410-199643/1-A	Method Blank	99	95
MB 410-200611/1-A	Method Blank	83	84

Surrogate Legend

Acetone = Acetone

Method: 8315A - Carbonyl Compounds by HPLC

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		BTRA (39-153)					
Lab Sample ID	Client Sample ID						
410-63553-1	High Range VOC PT Lot #11102	108					
410-63553-2	Low Range VOC PT Lot #111021	100					
410-63553-3	Mid Range VOC PT Lot #110921	109					
LCS 410-199500/10-A	Lab Control Sample	95					
LCSD 410-199500/11-A	Lab Control Sample Dup	92					
MB 410-199500/9-A	Method Blank	99					

Surrogate Legend

BTRA = Butyraldehyde

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-63553-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-201735/6

Matrix: Water

Analysis Batch: 201735

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	0.70	ug/L			12/06/21 13:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		12/06/21 13:27	1
4-Bromofluorobenzene (Surr)	101		80 - 120		12/06/21 13:27	1
Dibromofluoromethane (Surr)	98		80 - 120		12/06/21 13:27	1
Toluene-d8 (Surr)	112		80 - 120		12/06/21 13:27	1

Lab Sample ID: LCS 410-201735/4

Matrix: Water

Analysis Batch: 201735

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	247		ug/L		99	54 - 157

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	100		80 - 120
Dibromofluoromethane (Surr)	97		80 - 120
Toluene-d8 (Surr)	112		80 - 120

Method: 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Lab Sample ID: MB 410-199643/1-A

Matrix: Water

Analysis Batch: 199563

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 199643

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol (2C)	ND		1000	150	ug/L		11/30/21 11:37	11/30/21 16:18	1
Methanol (2C)	ND		1000	220	ug/L		11/30/21 11:37	11/30/21 16:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Acetone (1C)	99		58 - 149	11/30/21 11:37	11/30/21 16:18	1
Acetone (2C)	95		58 - 149	11/30/21 11:37	11/30/21 16:18	1

Lab Sample ID: LCS 410-199643/2-A

Matrix: Water

Analysis Batch: 199563

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 199643

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethanol (2C)	2500	2540		ug/L		102	74 - 134
Methanol (2C)	2510	2580		ug/L		103	74 - 134

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Acetone (1C)	93		58 - 149
Acetone (2C)	95		58 - 149

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-63553-1

Method: 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC) (Continued)

Lab Sample ID: MB 410-200611/1-A

Matrix: Water

Analysis Batch: 201167

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 200611

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol (2C)	ND		1000	150	ug/L		12/02/21 08:34	12/03/21 16:19	1
Methanol (2C)	ND		1000	220	ug/L		12/02/21 08:34	12/03/21 16:19	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Acetone (1C)	83		58 - 149				12/02/21 08:34	12/03/21 16:19	1
Acetone (2C)	84		58 - 149				12/02/21 08:34	12/03/21 16:19	1

Lab Sample ID: LCS 410-200611/2-A

Matrix: Water

Analysis Batch: 201167

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 200611

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethanol (2C)	2500	2390		ug/L		96	74 - 134
Methanol (2C)	2510	2400		ug/L		96	74 - 134
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Acetone (1C)	91		58 - 149				
Acetone (2C)	84		58 - 149				

Lab Sample ID: LCSD 410-200611/3-A

Matrix: Water

Analysis Batch: 201167

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 200611

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethanol (2C)	2500	2600		ug/L		104	74 - 134	8	30
Methanol (2C)	2510	2650		ug/L		106	74 - 134	10	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Acetone (1C)	93		58 - 149						
Acetone (2C)	85		58 - 149						

Method: 8315A - Carbonyl Compounds by HPLC

Lab Sample ID: MB 410-199500/9-A

Matrix: Water

Analysis Batch: 199780

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 199500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	ND		60	27	ug/L		11/30/21 10:33	11/30/21 17:25	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Butyraldehyde	99		39 - 153				11/30/21 10:33	11/30/21 17:25	1

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-63553-1

Method: 8315A - Carbonyl Compounds by HPLC (Continued)

Lab Sample ID: LCS 410-199500/10-A

Matrix: Water

Analysis Batch: 199780

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 199500

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Formaldehyde			497	479		ug/L		96	77 - 122
Surrogate			LCS %Recovery	LCS Qualifier	Limits				
Butyraldehyde			95		39 - 153				

Lab Sample ID: LCSD 410-199500/11-A

Matrix: Water

Analysis Batch: 199780

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 199500

			Spike	LCSD	LCSD				%Rec.	RPD	RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Formaldehyde			497	484		ug/L		97	77 - 122	1	30
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
Butyraldehyde	92		39 - 153								

Definitions/Glossary

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-63553-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-63553-1

GC/MS VOA

Analysis Batch: 201735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-63553-1	High Range VOC PT Lot #111021	Total/NA	Water	8260C	
410-63553-2	Low Range VOC PT Lot #111021	Total/NA	Water	8260C	
MB 410-201735/6	Method Blank	Total/NA	Water	8260C	
LCS 410-201735/4	Lab Control Sample	Total/NA	Water	8260C	

GC VOA

Analysis Batch: 199563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-63553-2 - DL	Low Range VOC PT Lot #111021	Total/NA	Water	8015D	199643
MB 410-199643/1-A	Method Blank	Total/NA	Water	8015D	199643
LCS 410-199643/2-A	Lab Control Sample	Total/NA	Water	8015D	199643

Prep Batch: 199643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-63553-2 - DL	Low Range VOC PT Lot #111021	Total/NA	Water	8015 DAI	
MB 410-199643/1-A	Method Blank	Total/NA	Water	8015 DAI	
LCS 410-199643/2-A	Lab Control Sample	Total/NA	Water	8015 DAI	

Prep Batch: 200611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-63553-1	High Range VOC PT Lot #111021	Total/NA	Water	8015 DAI	
410-63553-2	Low Range VOC PT Lot #111021	Total/NA	Water	8015 DAI	
MB 410-200611/1-A	Method Blank	Total/NA	Water	8015 DAI	
LCS 410-200611/2-A	Lab Control Sample	Total/NA	Water	8015 DAI	
LCSD 410-200611/3-A	Lab Control Sample Dup	Total/NA	Water	8015 DAI	

Analysis Batch: 201167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-63553-1	High Range VOC PT Lot #111021	Total/NA	Water	8015D	200611
410-63553-2	Low Range VOC PT Lot #111021	Total/NA	Water	8015D	200611
MB 410-200611/1-A	Method Blank	Total/NA	Water	8015D	200611
LCS 410-200611/2-A	Lab Control Sample	Total/NA	Water	8015D	200611
LCSD 410-200611/3-A	Lab Control Sample Dup	Total/NA	Water	8015D	200611

HPLC/IC

Prep Batch: 199500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-63553-1	High Range VOC PT Lot #111021	Total/NA	Water	8315A Prep	
410-63553-2	Low Range VOC PT Lot #111021	Total/NA	Water	8315A Prep	
410-63553-3	Mid Range VOC PT Lot #110921	Total/NA	Water	8315A Prep	
MB 410-199500/9-A	Method Blank	Total/NA	Water	8315A Prep	
LCS 410-199500/10-A	Lab Control Sample	Total/NA	Water	8315A Prep	
LCSD 410-199500/11-A	Lab Control Sample Dup	Total/NA	Water	8315A Prep	

Analysis Batch: 199780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-63553-1	High Range VOC PT Lot #111021	Total/NA	Water	8315A	199500
410-63553-2	Low Range VOC PT Lot #111021	Total/NA	Water	8315A	199500
410-63553-3	Mid Range VOC PT Lot #110921	Total/NA	Water	8315A	199500
MB 410-199500/9-A	Method Blank	Total/NA	Water	8315A	199500

Eurofins Lancaster Laboratories Env, LLC

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-63553-1

HPLC/IC (Continued)

Analysis Batch: 199780 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 410-199500/10-A	Lab Control Sample	Total/NA	Water	8315A	199500
LCSD 410-199500/11-A	Lab Control Sample Dup	Total/NA	Water	8315A	199500

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-63553-1

Client Sample ID: High Range VOC PT Lot #111021

Lab Sample ID: 410-63553-1

Date Collected: 11/30/21 09:00

Matrix: Water

Date Received: 11/16/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	201735	12/06/21 23:09	USEJ	ELLE
Total/NA	Prep	8015 DAI			200611	12/02/21 08:34	LXF2	ELLE
Total/NA	Analysis	8015D		1	201167	12/03/21 18:30	LXF2	ELLE
Total/NA	Prep	8315A Prep			199500	11/30/21 10:33	U9KU	ELLE
Total/NA	Analysis	8315A		1	199780	11/30/21 18:08	GM5C	ELLE

Client Sample ID: Low Range VOC PT Lot #111021

Lab Sample ID: 410-63553-2

Date Collected: 11/30/21 09:00

Matrix: Water

Date Received: 11/16/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	201735	12/06/21 22:46	USEJ	ELLE
Total/NA	Prep	8015 DAI	DL		199643	11/30/21 11:37	LXF2	ELLE
Total/NA	Analysis	8015D	DL	50	199563	11/30/21 17:32	LXF2	ELLE
Total/NA	Prep	8015 DAI			200611	12/02/21 08:34	LXF2	ELLE
Total/NA	Analysis	8015D		1	201167	12/03/21 18:48	LXF2	ELLE
Total/NA	Prep	8315A Prep			199500	11/30/21 10:33	U9KU	ELLE
Total/NA	Analysis	8315A		1	199780	11/30/21 18:19	GM5C	ELLE

Client Sample ID: Mid Range VOC PT Lot #110921

Lab Sample ID: 410-63553-3

Date Collected: 11/30/21 09:00

Matrix: Water

Date Received: 11/16/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8315A Prep			199500	11/30/21 10:33	U9KU	ELLE
Total/NA	Analysis	8315A		1	199780	11/30/21 18:30	GM5C	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-63553-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Acetone

Method 8260C

Volatile Organic Compounds (GC/MS)
by Method 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-63553-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): R-624SilMS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
High Range VOC PT Lot #111021	410-63553-1	97 cn	103 cn	113 cn	101 cn
Low Range VOC PT Lot #111021	410-63553-2	97 cn	103 cn	114 cn	101 cn
	MB 410-201735/6	98	103	112	101
	LCS 410-201735/4	97	100	112	100

DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

QC LIMITS
80-120
80-120
80-120
80-120

Column to be used to flag recovery values

FORM II 8260C

FORM III

Lab Name: Eurofins Lancaster Laboratories
Env, LLC

Job No.: 410-63553-1

SDG No.:

Matrix: Water Level: Low Lab File ID: ND06L01.D

Lab ID: LCS 410-201735/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	250	247	99	54-157	

```
# Column to be used to flag recovery and RPD values
```

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-63553-1
SDG No.: _____
Lab File ID: ND06X05.D Lab Sample ID: MB 410-201735/6
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: 7159 Date Analyzed: 12/06/2021 13:27
GC Column: R-624SilMS 30m ID: 0.25 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-201735/4	ND06L01.D	12/06/2021 13:50
Low Range VOC PT Lot #111021	410-63553-2	ND06X28.D	12/06/2021 22:46
High Range VOC PT Lot #111021	410-63553-1	ND06X29.D	12/06/2021 23:09

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1

SDG No.: _____

Lab File ID: NG10T01.D BFB Injection Date: 08/10/2021

Instrument ID: 7159 BFB Injection Time: 11:33

Analysis Batch No.: 158203

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.1
75	30.0 - 60.0 % of mass 95	45.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	75.1
175	5.0 - 9.0 % of mass 174	6.1 (8.1) 1
176	95.0 - 101.0 % of mass 174	72.7 (96.9) 1
177	5.0 - 9.0 % of mass 176	5.1 (7.0) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-158203/3	NG10X03.D	08/10/2021	12:30
	IC 410-158203/4	NG10X04.D	08/10/2021	12:53
	ICIS 410-158203/5	NG10X05.D	08/10/2021	13:17
	IC 410-158203/6	NG10X06.D	08/10/2021	13:40
	IC 410-158203/7	NG10X07.D	08/10/2021	14:03
	IC 410-158203/8	NG10X08.D	08/10/2021	14:26
	IC 410-158203/9	NG10X09.D	08/10/2021	14:49
	ICV 410-158203/11	NG10X11.D	08/10/2021	15:35

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1

SDG No.: _____

Lab File ID: ND06T08.D BFB Injection Date: 12/06/2021

Instrument ID: 7159 BFB Injection Time: 11:08

Analysis Batch No.: 201735

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	16.4
75	30.0 - 60.0 % of mass 95	46.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.0
173	Less than 2.0 % of mass 174	0.2 (0.3) 1
174	Greater than 50% of mass 95	75.4
175	5.0 - 9.0 % of mass 174	5.5 (7.3) 1
176	95.0 - 101.0 % of mass 174	72.6 (96.3) 1
177	5.0 - 9.0 % of mass 176	4.7 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-201735/3	ND06X02.D	12/06/2021	12:18
	MB 410-201735/6	ND06X05.D	12/06/2021	13:27
	LCS 410-201735/4	ND06L01.D	12/06/2021	13:50
Low Range VOC PT Lot #111021	410-63553-2	ND06X28.D	12/06/2021	22:46
High Range VOC PT Lot #111021	410-63553-1	ND06X29.D	12/06/2021	23:09

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
 SDG No.: _____
 Sample No.: ICIS 410-158203/5 Date Analyzed: 08/10/2021 13:17
 Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25 (mm)
 Lab File ID (Standard): NG10X05.D Heated Purge: (Y/N) N
 Calibration ID: 29578

	TBAd10		FB		CBZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	310403	4.36	1121707	7.89	926768	11.34	
UPPER LIMIT	620806	4.86	2243414	8.39	1853536	11.84	
LOWER LIMIT	155202	3.86	560854	7.39	463384	10.84	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-158203/11		253592	4.37	1093878	7.90	893696	11.34
CCVIS 410-201735/3		276629	4.38	1220154	7.91	902882	11.35

TBAd10 = t-Butyl alcohol-d10 (IS)

FB = Fluorobenzene (IS)

CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
 SDG No.: _____
 Sample No.: ICIS 410-158203/5 Date Analyzed: 08/10/2021 13:17
 Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25 (mm)
 Lab File ID (Standard): NG10X05.D Heated Purge: (Y/N) N
 Calibration ID: 29578

	DCBd4					
	AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT	497346	13.22				
UPPER LIMIT	994692	13.72				
LOWER LIMIT	248673	12.72				
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 410-158203/11		481030 13.22				
CCVIS 410-201735/3		477655 13.23				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
 SDG No.: _____
 Sample No.: CCVIS 410-201735/3 Date Analyzed: 12/06/2021 12:18
 Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25 (mm)
 Lab File ID (Standard): ND06X02.D Heated Purge: (Y/N) N
 Calibration ID: 29578

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		276629	4.38	1220154	7.91	902882	11.35
UPPER LIMIT		553258	4.88	2440308	8.41	1805764	11.85
LOWER LIMIT		138315	3.88	610077	7.41	451441	10.85
LAB SAMPLE ID		CLIENT SAMPLE ID					
MB 410-201735/6		329641	4.37	1210373	7.90	896937	11.35
LCS 410-201735/4		353260	4.37	1227982	7.90	920524	11.35
410-63553-2	Low Range VOC PT Lot #111021	319437	4.37	1195111	7.90	877918	11.35
410-63553-1	High Range VOC PT Lot #111021	336732	4.40	1201266	7.90	888174	11.35

TBAd10 = t-Butyl alcohol-d10 (IS)

FB = Fluorobenzene (IS)

CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
 SDG No.: _____
 Sample No.: CCVIS 410-201735/3 Date Analyzed: 12/06/2021 12:18
 Instrument ID: 7159 GC Column: R-624SilMS 30m ID: 0.25 (mm)
 Lab File ID (Standard): ND06X02.D Heated Purge: (Y/N) N
 Calibration ID: 29578

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		477655	13.23				
UPPER LIMIT		955310	13.73				
LOWER LIMIT		238828	12.73				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 410-201735/6		475210	13.22				
LCS 410-201735/4		478779	13.22				
410-63553-2	Low Range VOC PT Lot #111021	467492	13.23				
410-63553-1	High Range VOC PT Lot #111021	468508	13.23				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1

SDG No.:

Client Sample ID: High Range VOC PT Lot Lab Sample ID: 410-63553-1
#111021

Matrix: Water Lab File ID: ND06X29.D

Analysis Method: 8260C Date Collected: 11/30/2021 09:00

Sample wt/vol: 5 (mL) Date Analyzed: 12/06/2021 23:09

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25 (mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 201735 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	520	cn	100	3.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103	cn	80-120
460-00-4	4-Bromofluorobenzene (Surr)	101	cn	80-120
1868-53-7	Dibromofluoromethane (Surr)	97	cn	80-120
2037-26-5	Toluene-d8 (Surr)	113	cn	80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06X29.D
 Lims ID: 410-63553-A-1
 Client ID: High Range VOC PT Lot #111021
 Sample Type: Client
 Inject. Date: 06-Dec-2021 23:09:30 ALS Bottle#: 30 Worklist Smp#: 29
 Purge Vol: 5.000 mL Dil. Factor: 5.0000
 Sample Info: 410-0045588-029
 Operator ID: LCP00895 Instrument ID: 7159
 Method: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 28-Dec-2021 11:22:13 Calib Date: 10-Aug-2021 14:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1641

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
21 Acetone	58	3.728	3.716	0.012	100	107438	103.1	
* 29 t-Butyl alcohol-d10 (IS)	65	4.397	4.416	-0.019	41	336732	250.0	
\$ 51 Dibromofluoromethane (Surr)	113	7.001	7.019	-0.018	93	280620	48.5	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.463	7.482	-0.019	82	77448	51.5	
* 64 Fluorobenzene (IS)	96	7.901	7.920	-0.019	99	1201266	50.0	
\$ 81 Toluene-d8 (Surr)	98	9.903	9.909	-0.006	93	1245912	56.3	
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.351	-0.006	86	888174	50.0	
\$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.349	-0.007	85	449493	50.6	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.231	-0.006	97	468508	50.0	

QC Flag Legend

Processing Flags

Reagents:

MSV_Cent_ISSS_00004

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 28-Dec-2021 11:22:13

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Euofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06X29.D

Injection Date: 06-Dec-2021 23:09:30

Instrument ID: 7159

Operator ID: LCP00895

Lims ID: 410-63553-A-1

Lab Sample ID: 410-63553-1

Worklist Smp#: 29

Client ID: High Range VOC PT Lot #111021

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

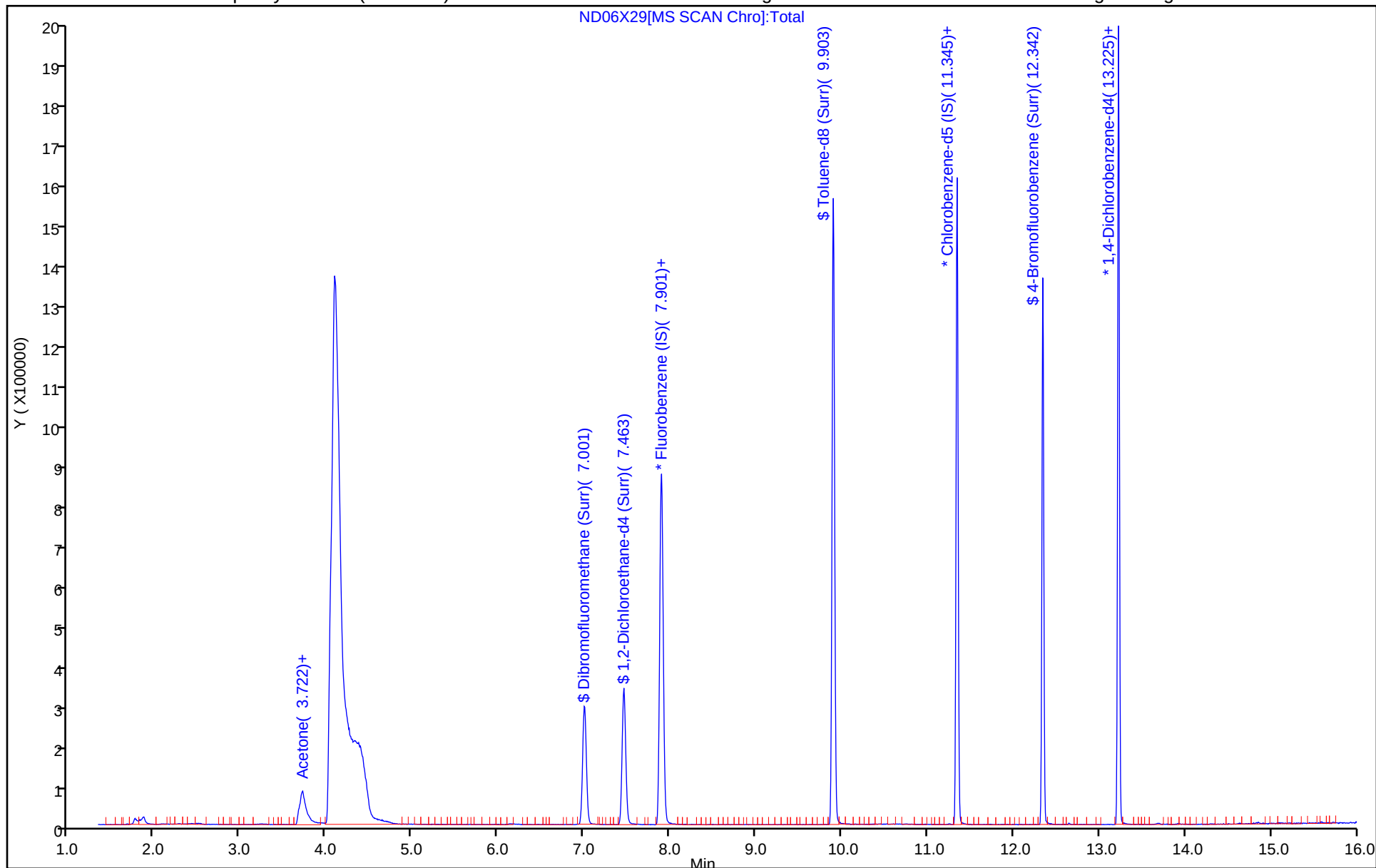
ALS Bottle#: 30

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06X29.D

Injection Date: 06-Dec-2021 23:09:30

Instrument ID: 7159

Lims ID: 410-63553-A-1

Lab Sample ID: 410-63553-1

Client ID: High Range VOC PT Lot #111021

Operator ID: LCP00895

ALS Bottle#: 30

Worklist Smp#: 29

Purge Vol: 5.000 mL

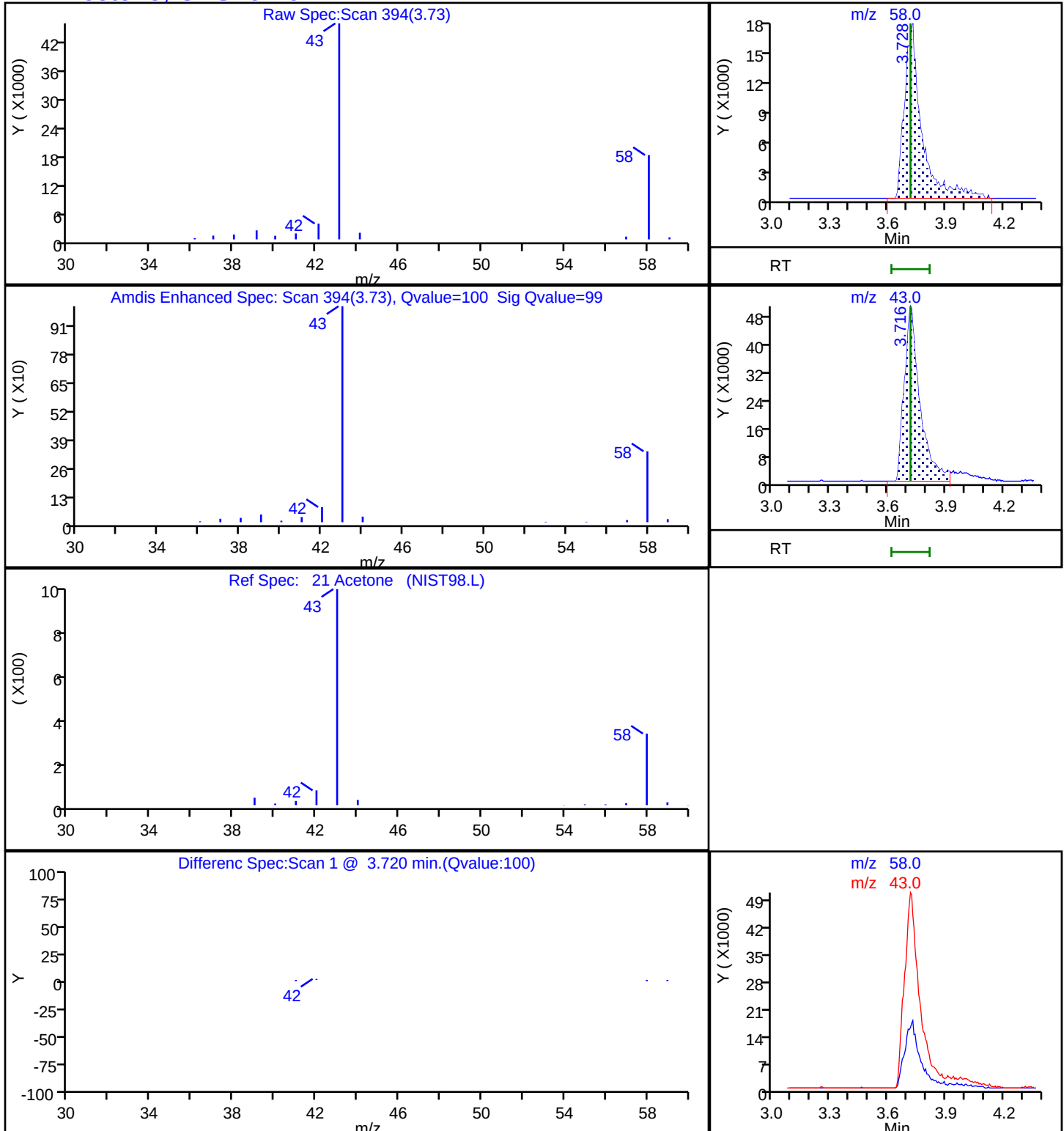
Dil. Factor: 5.0000

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm ID) x 30 m

MS Quad

21 Acetone, CAS: 67-64-1

FORM I

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1

SDG No.:

Client Sample ID: Low Range VOC PT Lot Lab Sample ID: 410-63553-2
#111021

Matrix: Water Lab File ID: ND06X28.D

Analysis Method: 8260C Date Collected: 11/30/2021 09:00

Sample wt/vol: 5 (mL) Date Analyzed: 12/06/2021 22:46

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25 (mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 201735 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	46	J cn	100	3.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103	cn	80-120
460-00-4	4-Bromofluorobenzene (Surr)	101	cn	80-120
1868-53-7	Dibromofluoromethane (Surr)	97	cn	80-120
2037-26-5	Toluene-d8 (Surr)	114	cn	80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06X28.D
 Lims ID: 410-63553-A-2
 Client ID: Low Range VOC PT Lot #111021
 Sample Type: Client
 Inject. Date: 06-Dec-2021 22:46:30 ALS Bottle#: 29 Worklist Smp#: 28
 Purge Vol: 5.000 mL Dil. Factor: 5.0000
 Sample Info: 410-0045588-028
 Operator ID: LCP00895 Instrument ID: 7159
 Method: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 28-Dec-2021 11:22:13 Calib Date: 10-Aug-2021 14:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1641

First Level Reviewer: papel

Date: 07-Dec-2021 07:10:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
21 Acetone	58	3.728	3.716	0.012	98	9127	9.23	
* 29 t-Butyl alcohol-d10 (IS)	65	4.373	4.416	-0.043	41	319437	250.0	
\$ 51 Dibromofluoromethane (Surr)	113	6.995	7.019	-0.024	93	278541	48.4	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.482	-0.025	82	76902	51.4	
* 64 Fluorobenzene (IS)	96	7.895	7.920	-0.025	99	1195111	50.0	
\$ 81 Toluene-d8 (Surr)	98	9.903	9.909	-0.006	93	1240988	56.8	
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.351	-0.006	86	877918	50.0	
\$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.349	-0.007	86	442988	50.4	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.231	-0.007	96	467492	50.0	

QC Flag Legend

Processing Flags

Reagents:

MSV_Cent_ISSS_00004

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 28-Dec-2021 11:23:02

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Euofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06X28.D

Injection Date: 06-Dec-2021 22:46:30

Instrument ID: 7159

Operator ID: LCP00895

Lims ID: 410-63553-A-2

Lab Sample ID: 410-63553-2

Worklist Smp#: 28

Client ID: Low Range VOC PT Lot #111021

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

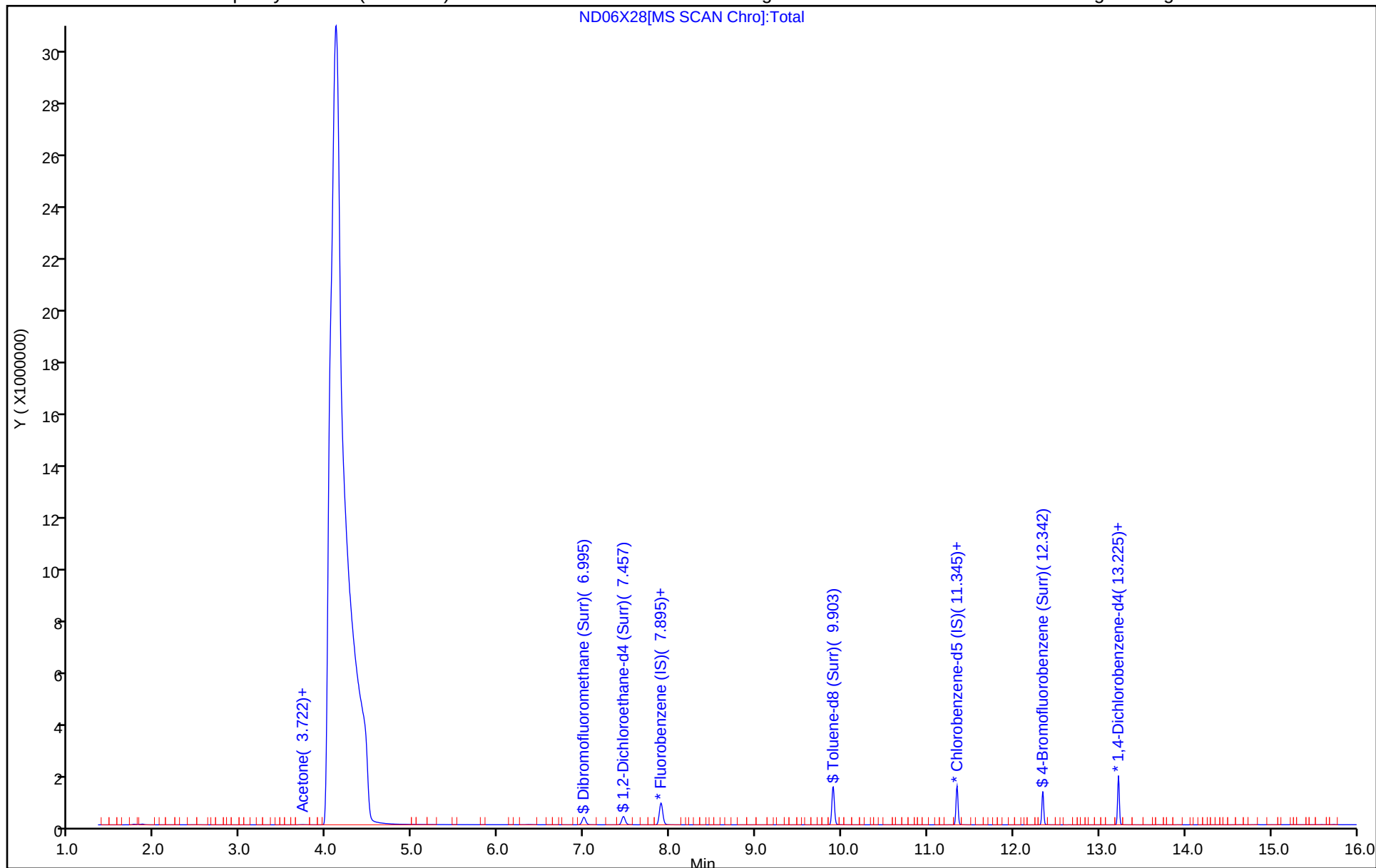
ALS Bottle#: 29

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06X28.D

Injection Date: 06-Dec-2021 22:46:30

Instrument ID: 7159

Lims ID: 410-63553-A-2

Lab Sample ID: 410-63553-2

Client ID: Low Range VOC PT Lot #111021

Operator ID: LCP00895

ALS Bottle#: 29

Worklist Smp#: 28

Purge Vol: 5.000 mL

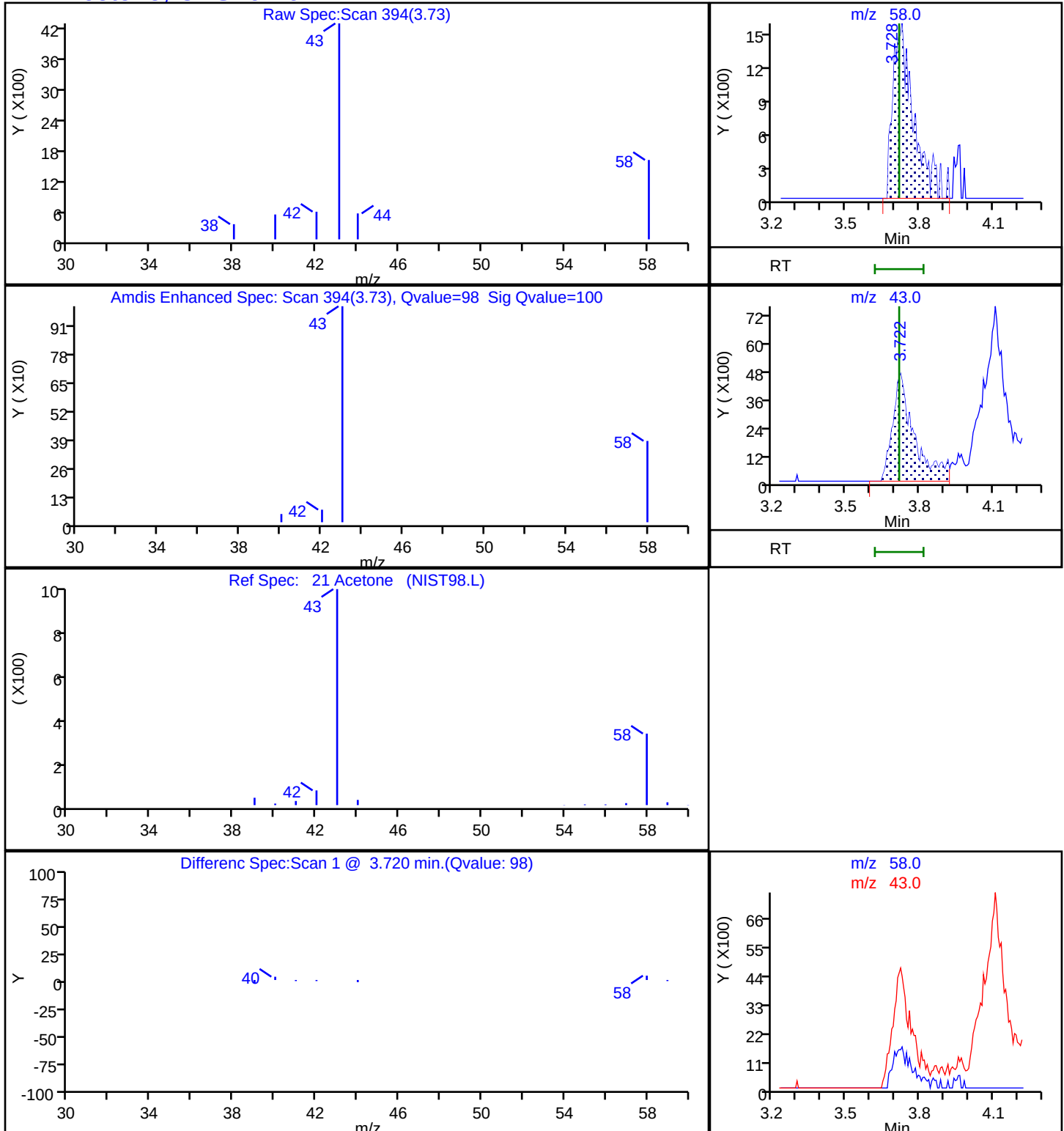
Dil. Factor: 5.0000

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm ID) x 30 m

MS Quad

21 Acetone, CAS: 67-64-1

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-158203/9	NG10X09.D
Level 2	IC 410-158203/8	NG10X08.D
Level 3	IC 410-158203/7	NG10X07.D
Level 4	IC 410-158203/6	NG10X06.D
Level 5	ICIS 410-158203/5	NG10X05.D
Level 6	IC 410-158203/4	NG10X04.D
Level 7	IC 410-158203/3	NG10X03.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3299 0.3492	0.3939 0.3328	0.3592	0.3766	0.3424	Ave		0.354 8			0.1000	6.6		20.0			
Chloromethane	0.3934 0.3731	0.4301 0.3481	0.4114	0.3871	0.3598	Ave		0.386 1			0.1000	7.4		20.0			
1,3-Butadiene	0.4229 0.3550	0.4102 0.3397	0.3794	0.3746	0.3421	Ave		0.374 8				8.6		20.0			
Vinyl chloride	0.3667 0.3959	0.4432 0.3800	0.4199	0.4244	0.3820	Ave		0.401 7			0.1000	7.0		20.0			
Bromomethane	0.2689 0.2730	0.3092 0.2656	0.2935	0.2945	0.2685	Ave		0.281 9			0.1000	6.0		20.0			
Chloroethane	0.2222 0.2323	0.2552 0.2196	0.2472	0.2474	0.2231	Ave		0.235 3			0.1000	6.2		20.0			
Dichlorofluoromethane	0.5425 0.5078	0.5919 0.4874	0.5629	0.5461	0.4997	Ave		0.534 0			0.1000	7.0		20.0			
Trichlorofluoromethane	0.4373 0.4947	0.5571 0.4811	0.5138	0.5297	0.4843	Ave		0.499 7			0.1000	7.7		20.0			
n-Pentane	0.5265 0.5778	0.6070 0.5630	0.5708	0.6058	0.5723	Ave		0.574 7				4.8		20.0			
Ethanol	0.0488 0.0746	0.0620 0.0705	0.0651	0.0711	0.0732	Ave		0.066 5				13.5		20.0			
Freon 123a	0.3579 0.3449	0.3938 0.3347	0.3724	0.3626	0.3394	Ave		0.358 0				5.8		20.0			
Acrolein	1.7734 1.9383	1.7842 2.0354	1.8682	1.8406	1.7546	Ave		1.856 4				5.5		20.0			
1,1-Dichloroethene	0.2598 0.2810	0.3101 0.2731	0.2858	0.2833	0.2793	Ave		0.281 8			0.1000	5.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetone	0.5227 0.8302	0.7844 0.8664	0.8476	0.7818	0.7849	Ave		0.774 0			0.1000	15.0		20.0			
Freon 113	0.2315 0.3118	0.3134 0.2986	0.2894	0.3098	0.3066	Ave		0.294 4			0.1000	9.8		20.0			
2-Propanol	0.5102 0.5977	0.5130 0.4744	0.5454	0.5785	0.5397	Ave		0.537 0				7.9		20.0			
Methyl iodide	0.5008 0.5043	0.5291 0.4835	0.5061	0.5041	0.5029	Ave		0.504 4				2.6		20.0			
Carbon disulfide	0.8690 0.9631	1.0421 0.9283	0.9735	0.9718	0.9590	Ave		0.958 1			0.1000	5.4		20.0			
Methyl acetate	0.3646 0.2913	0.3037 0.2953	0.3116	0.2982	0.2949	Ave		0.308 5			0.1000	8.3		20.0			
Allyl chloride	0.4809 0.4729	0.5328 0.4610	0.4968	0.4701	0.4730	Ave		0.484 0				5.0		20.0			
Methylene Chloride	0.3138 0.3092	0.3250 0.2999	0.3162	0.3186	0.3085	Ave		0.313 0			0.1000	2.6		20.0			
t-Butyl alcohol	1.0783 1.0165	1.0326 1.0199	1.1697	1.0596	1.0052	Ave		1.054 5				5.4		20.0			
Acrylonitrile	0.1473 0.1563	0.1641 0.1526	0.1594	0.1627	0.1633	Ave		0.158 0				4.0		20.0			
Methyl tertiary butyl ether	0.9505 0.8926	0.9512 0.8644	0.9385	0.9366	0.9125	Ave		0.920 9			0.1000	3.5		20.0			
trans-1,2-Dichloroethene	0.2959 0.3084	0.3347 0.3034	0.3178	0.3125	0.3076	Ave		0.311 5			0.1000	4.0		20.0			
n-Hexane	0.4779 0.5098	0.5383 0.5030	0.4907	0.5172	0.5076	Ave		0.506 4				3.8		20.0			
1,1-Dichloroethane	0.5103 0.5265	0.5674 0.5075	0.5343	0.5332	0.5266	Ave		0.529 4			0.2000	3.7		20.0			
di-Isopropyl ether	0.9232 0.9346	1.0024 0.9083	0.9632	0.9600	0.9491	Ave		0.948 7				3.2		20.0			
2-Chloro-1,3-butadiene	0.4328 0.4712	0.4978 0.4606	0.4718	0.4756	0.4740	Ave		0.469 1				4.2		20.0			
Ethyl t-butyl ether	0.9341 0.8906	0.9814 0.8588	0.9335	0.9411	0.9100	Ave		0.921 4				4.3		20.0			
2-Butanone	0.2939 0.2045	0.2330 0.2083	0.2355	0.2184	0.2170	Ave		0.230 1			0.1000	13.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	0.3616 0.3378	0.3541 0.3315	0.3502	0.3422	0.3427	Ave		0.345 7			0.1000	3.0		20.0			
2,2-Dichloropropane	0.4545 0.4697	0.5070 0.4586	0.4718	0.4760	0.4754	Ave		0.473 3				3.6		20.0			
Propionitrile	1.1238 1.3107	1.2962 1.3321	1.3179	1.3297	1.2329	Ave		1.277 6				5.9		20.0			
Methacrylonitrile	0.1705 0.1765	0.1868 0.1779	0.1890	0.1844	0.1822	Ave		0.181 1				3.6		20.0			
Bromochloromethane	0.1507 0.1591	0.1697 0.1576	0.1643	0.1609	0.1591	Ave		0.160 2				3.7		20.0			
Tetrahydrofuran	1.3454 1.3133	1.2734 1.4254	1.2125	1.2911	1.1734	Ave		1.290 6				6.5		20.0			
Chloroform	0.5297 0.5217	0.5583 0.5077	0.5344	0.5271	0.5269	Ave		0.529 4			0.2000	2.9		20.0			
1,1,1-Trichloroethane	0.4386 0.4838	0.5278 0.4754	0.4994	0.4972	0.4892	Ave		0.487 4			0.1000	5.6		20.0			
Cyclohexane	0.5323 0.6076	0.6285 0.5960	0.5806	0.6178	0.6056	Ave		0.595 5			0.1000	5.3		20.0			
1,1-Dichloropropene	0.4037 0.4282	0.4629 0.4257	0.4311	0.4316	0.4289	Ave		0.430 3				4.0		20.0			
Carbon tetrachloride	0.3653 0.4195	0.4251 0.4168	0.4102	0.4205	0.4135	Ave		0.410 1			0.1000	5.0		20.0			
Isobutyl alcohol	0.3781 0.3360	0.3288 0.3448	0.3988	0.3593	0.3300	Ave		0.353 7				7.5		20.0			
Benzene	1.2375 1.2839	1.3708 1.2388	1.3283	1.3045	1.2854	Ave		1.292 7			0.5000	3.7		20.0			
1,2-Dichloroethane	0.4320 0.3742	0.4079 0.3701	0.3863	0.3879	0.3833	Ave		0.391 7			0.1000	5.5		20.0			
t-Amyl methyl ether	0.9107 0.8857	0.9576 0.8450	0.9520	0.9440	0.9168	Ave		0.916 0				4.4		20.0			
n-Heptane	0.4712 0.4662	0.5243 0.4762	0.4397	0.4677	0.4641	Ave		0.472 8				5.4		20.0			
n-Butanol	0.2666 0.3010	0.2826 0.3065	0.3380	0.3198	0.2823	Ave		0.299 5				8.2		20.0			
Trichloroethene	0.3025 0.3313	0.3607 0.3307	0.3393	0.3342	0.3300	Ave		0.332 7			0.2000	5.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methylcyclohexane	0.5621 0.6603	0.6727 0.6492	0.6319	0.6554	0.6489	Ave		0.640 1			0.1000	5.7		20.0			
1,2-Dichloropropane	0.2946 0.3215	0.3341 0.3249	0.3296	0.3218	0.3257	Ave		0.321 7			0.1000	4.0		20.0			
t-Amyl ethyl ether	0.5056 0.5028	0.5075 0.4868	0.5072	0.5081	0.5104	Ave		0.504 1				1.6		20.0			
Methyl methacrylate	0.2995 0.2960	0.3153 0.3032	0.2996	0.3063	0.3034	Ave		0.303 3				2.1		20.0			
1,4-Dioxane	0.0511 0.0686	0.0544 0.0644	0.0597	0.0646	0.0664	Ave		0.061 3			0.0050	10.6		20.0			
Dibromomethane	0.1913 0.1924	0.1989 0.1933	0.1962	0.1974	0.1923	Ave		0.194 5				1.5		20.0			
Bromodichloromethane	0.3923 0.3971	0.4112 0.3981	0.4051	0.4051	0.3964	Ave		0.400 8			0.2000	1.6		20.0			
2-Nitropropane	2.4093 2.3710	2.2520 2.5503	2.1749	2.3530	2.1633	Ave		2.324 8				5.9		20.0			
2-Chloroethyl vinyl ether	0.2242 0.2444	0.2493 0.2478	0.2488	0.2562	0.2466	Ave		0.245 3				4.1		20.0			
cis-1,3-Dichloropropene	0.5173 0.5308	0.5313 0.5306	0.5315	0.5363	0.5325	Ave		0.530 0			0.2000	1.1		20.0			
4-Methyl-2-pentanone	0.4335 0.4326	0.4612 0.4269	0.4962	0.4712	0.4569	Ave		0.454 1			0.1000	5.5		20.0			
Toluene	0.9697 1.0325	1.1057 0.9975	1.0662	1.0391	1.0338	Ave		1.034 9			0.4000	4.3		20.0			
trans-1,3-Dichloropropene	0.5905 0.5844	0.5996 0.5821	0.5909	0.5950	0.5871	Ave		0.589 9			0.1000	1.0		20.0			
Ethyl methacrylate	0.6058 0.6139	0.6207 0.6057	0.6174	0.6371	0.6208	Ave		0.617 4				1.7		20.0			
1,1,2-Trichloroethane	0.3428 0.3530	0.3669 0.3482	0.3596	0.3684	0.3585	Ave		0.356 8			0.1000	2.6		20.0			
Tetrachloroethene	0.3914 0.4222	0.4318 0.4220	0.4261	0.4234	0.4210	Ave		0.419 7			0.2000	3.1		20.0			
1,3-Dichloropropane	0.6007 0.5826	0.6132 0.5784	0.6075	0.6026	0.5904	Ave		0.596 5				2.2		20.0			
2-Hexanone	0.4084 0.4013	0.4168 0.3998	0.4599	0.4307	0.4205	Ave		0.419 6			0.1000	5.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dibromochloromethane	0.3701 0.3948	0.4007 0.3909	0.3948	0.3954	0.3924	Ave		0.391 3				2.5		20.0			
1,2-Dibromoethane	0.3839 0.3798	0.4005 0.3757	0.3911	0.3931	0.3827	Ave		0.386 7			0.1000	2.2		20.0			
1-Chlorohexane	0.6666 0.6262	0.6815 0.6157	0.6373	0.6409	0.6199	Ave		0.641 2				3.8		20.0			
Chlorobenzene	1.0829 1.1159	1.1850 1.0901	1.1495	1.1413	1.1230	Ave		1.126 8			0.5000	3.1		20.0			
1,1,1,2-Tetrachloroethane	0.3623 0.3921	0.4012 0.3927	0.3917	0.3952	0.3895	Ave		0.389 2				3.2		20.0			
Ethylbenzene	1.9364 1.9911	2.1473 1.8783	2.0929	2.0437	2.0231	Ave		2.016 1			0.1000	4.5		20.0			
m&p-Xylene	0.7686 0.7959	0.8497 0.7665	0.8172	0.8119	0.7982	Ave		0.801 1			0.1000	3.6		20.0			
o-Xylene	0.7107 0.7853	0.8169 0.7670	0.8050	0.7964	0.7813	Ave		0.780 4			0.3000	4.5		20.0			
Styrene	1.2307 1.3152	1.3686 1.2762	1.3233	1.3333	1.3174	Ave		1.309 3			0.3000	3.4		20.0			
Bromoform	0.2452 0.2870	0.2789 0.2913	0.2796	0.2875	0.2874	Ave		0.279 6			0.1000	5.6		20.0			
Isopropylbenzene	1.9127 2.0313	2.1812 1.8681	2.0963	2.1010	2.0487	Ave		2.034 2			0.1000	5.4		20.0			
Cyclohexanone	0.2423 0.2703	0.2260 0.2765	0.2386	0.2710	0.2643	Ave		0.255 6				7.7		20.0			
1,1,2,2-Tetrachloroethane	1.0395 1.0421	1.1013 1.0073	1.0891	1.0863	1.0561	Ave		1.060 2			0.3000	3.2		20.0			
Bromobenzene	0.8523 0.8627	0.8911 0.8511	0.8624	0.8635	0.8570	Ave		0.862 9				1.6		20.0			
trans-1,4-Dichloro-2-butene	0.3389 0.3459	0.3519 0.3404	0.3718	0.3554	0.3455	Ave		0.350 0				3.2		20.0			
1,2,3-Trichloropropane	0.3307 0.3250	0.3585 0.3169	0.3404	0.3286	0.3266	Ave		0.332 4				4.1		20.0			
N-Propylbenzene	4.3117 4.4915	4.8833 3.8992	4.5325	4.5997	4.4748	Ave		4.456 1				6.7		20.0			
2-Chlorotoluene	0.8697 0.9015	0.9665 0.8691	0.9057	0.8990	0.8878	Ave		0.899 9				3.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	2.9858 3.2396	3.4350 2.9401	3.2406	3.2583	3.1965	Ave		3.185 1				5.3		20.0			
4-Chlorotoluene	0.8719 0.9206	0.9511 0.8970	0.9121	0.9182	0.9086	Ave		0.911 4				2.6		20.0			
tert-Butylbenzene	0.6002 0.6791	0.6986 0.6675	0.6509	0.6567	0.6633	Ave		0.659 5				4.6		20.0			
1,2,4-Trimethylbenzene	3.1499 3.2853	3.4427 2.9665	3.2726	3.3323	3.2565	Ave		3.243 7				4.6		20.0			
sec-Butylbenzene	3.6605 4.0355	4.1975 3.5456	3.9964	4.0243	3.9647	Ave		3.917 8				5.9		20.0			
1,3-Dichlorobenzene	1.6348 1.7235	1.7861 1.6605	1.7068	1.7037	1.6932	Ave		1.701 2			0.6000	2.8		20.0			
p-Isopropyltoluene	3.2337 3.5122	3.6157 3.1856	3.4340	3.4999	3.4391	Ave		3.417 2				4.5		20.0			
1,4-Dichlorobenzene	1.7330 1.7262	1.8056 1.6705	1.7110	1.7213	1.7109	Ave		1.725 5			0.5000	2.4		20.0			
1,2,3-Trimethylbenzene	3.3042 3.2896	3.4425 3.0177	3.2935	3.3376	3.2872	Ave		3.281 8				3.9		20.0			
Benzyl chloride	2.3767 2.4590	2.4467 2.3176	2.4659	2.5087	2.4738	Ave		2.435 5				2.7		20.0			
1,3-Diethylbenzene	1.8985 2.1264	2.1656 1.9852	2.1025	2.1035	2.0868	Ave		2.066 9				4.5		20.0			
1,4-Diethylbenzene	2.0652 2.2039	2.2676 2.0773	2.1692	2.1793	2.1662	Ave		2.161 2				3.3		20.0			
n-Butylbenzene	1.4880 1.7681	1.7914 1.6773	1.7387	1.7278	1.7291	Ave		1.702 9				5.9		20.0			
1,2-Dichlorobenzene	1.6423 1.5880	1.6911 1.5332	1.5955	1.6171	1.5866	Ave		1.607 7			0.4000	3.1		20.0			
1,2-Diethylbenzene	1.6213 1.7647	1.7579 1.6785	1.7411	1.7445	1.7136	Ave		1.717 4				3.0		20.0			
1,2-Dibromo-3-Chloropropane	0.2574 0.2589	0.2703 0.2549	0.2786	0.2745	0.2703	Ave		0.266 4			0.0500	3.5		20.0			
1,3,5-Trichlorobenzene	1.0257 1.1321	1.1577 1.0972	1.1025	1.1180	1.0974	Ave		1.104 4				3.7		20.0			
1,2,4-Trichlorobenzene	0.9204 1.0088	1.0085 0.9760	0.9644	0.9958	0.9798	Ave		0.979 1			0.2000	3.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7															
Hexachlorobutadiene	0.3683 0.4150	0.4059 0.4062	0.3913	0.3898	0.3931	Ave		0.395 7				3.9		20.0			
Naphthalene	3.7989 3.6068	3.8145 3.2816	3.7227	3.7533	3.6772	Ave		3.665 0				5.0		20.0			
1,2,3-Trichlorobenzene	0.9115 0.9302	0.9643 0.8943	0.9223	0.9276	0.9144	Ave		0.923 5				2.3		20.0			
2-Methylnaphthalene	1.9681 2.0063	2.0001 1.8143	1.9098	1.9925	1.9741	Ave		1.952 2				3.5		20.0			
Dibromofluoromethane (Surr)	0.2397 0.2430	0.2428 0.2377	0.2400	0.2396	0.2415	Ave		0.240 6				0.8		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0631 0.0617	0.0625 0.0626	0.0639	0.0620	0.0621	Ave		0.062 6				1.2		20.0			
Toluene-d8 (Surr)	1.2516 1.2366	1.2455 1.2272	1.2653	1.2415	1.2466	Ave		1.244 9				1.0		20.0			
4-Bromofluorobenzene (Surr)	0.5016 0.4987	0.5042 0.4979	0.5037	0.5011	0.4961	Ave		0.500 4				0.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-158203/9	NG10X09.D
Level 2	IC 410-158203/8	NG10X08.D
Level 3	IC 410-158203/7	NG10X07.D
Level 4	IC 410-158203/6	NG10X06.D
Level 5	ICIS 410-158203/5	NG10X05.D
Level 6	IC 410-158203/4	NG10X04.D
Level 7	IC 410-158203/3	NG10X03.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	7327 784004	34844 2268704	78819	167190	384039	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	8736 837800	38044 2372942	90276	171875	403576	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	9392 797091	36282 2315772	83245	166320	383684	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	8144 888862	39206 2590191	92141	188410	428481	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	5972 613087	27353 1810726	64401	130761	301222	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	4935 521630	22570 1496866	54253	109835	250224	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	12048 1140137	52356 3322826	123509	242452	560466	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	9711 1110726	49279 3279907	112746	235178	543293	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	11691 1297379	53696 3837993	125254	268994	641913	1.00 100	4.00 300	10.0	20.0	50.0
Ethanol	TBAd 10	Ave	3651 200732	18350 531803	39371	81476	113588	62.5 2500	250 7500	500	1000	1250
Freon 123a	FB	Ave	7948 774352	34834 2281763	81728	161007	380747	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd 10	Ave	21220 2085003	84446 6142543	225833	421823	1089257	10.00 1000	40.0 3000	100.0	200	500
1,1-Dichloroethene	FB	Ave	5770	27428	62706	125766	313306	1.00	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			631071	1861382				100	300			
Acetone	TBAd 10	Ave	1251	7425	20492	35834	97458	2.00	8.00	20.0	40.0	100
			178599	522946				200	600			
Freon 113	FB	Ave	5142	27719	63501	137555	343962	1.00	4.00	10.0	20.0	50.0
			700091	2035506				100	300			
2-Propanol	TBAd 10	Ave	12210	48560	65926	132592	167537	20.0	80.0	100	200	250
			321482	715886				500	1500			
Methyl iodide	FB	Ave	11121	46799	111057	223797	564120	1.00	4.00	10.0	20.0	50.0
			1132337	3295911				100	300			
Carbon disulfide	FB	Ave	19299	92179	213619	431476	1075746	1.00	4.00	10.0	20.0	50.0
			2162531	6327744				100	300			
Methyl acetate	FB	Ave	8096	26863	68382	132389	330789	1.00	4.00	10.0	20.0	50.0
			653992	2012742				100	300			
Allyl chloride	FB	Ave	10680	47132	109010	208744	530620	1.00	4.00	10.0	20.0	50.0
			1061905	3142736				100	300			
Methylene Chloride	FB	Ave	6968	28747	69382	141464	346062	1.00	4.00	10.0	20.0	50.0
			694208	2044310				100	300			
t-Butyl alcohol	TBAd 10	Ave	25806	97754	141399	242844	312032	20.0	80.0	100	200	250
			546720	1538947				500	1500			
Acrylonitrile	FB	Ave	8179	36281	87470	180647	457835	2.50	10.0	25.0	50.0	125
			877269	2601330				250	750			
Methyl tertiary butyl ether	FB	Ave	21107	84142	205934	415827	1023554	1.00	4.00	10.0	20.0	50.0
			2004390	5892438				100	300			
trans-1,2-Dichloroethene	FB	Ave	6572	29605	69726	138739	345030	1.00	4.00	10.0	20.0	50.0
			692467	2067933				100	300			
n-Hexane	FB	Ave	10613	47620	107687	229642	569332	1.00	4.00	10.0	20.0	50.0
			1144721	3428709				100	300			
1,1-Dichloroethane	FB	Ave	11333	50192	117243	236739	590712	1.00	4.00	10.0	20.0	50.0
			1182250	3459825				100	300			
di-Isopropyl ether	FB	Ave	20502	88671	211366	426231	1064643	1.00	4.00	10.0	20.0	50.0
			2098589	6191874				100	300			
2-Chloro-1,3-butadiene	FB	Ave	9611	44035	103523	211179	531669	1.00	4.00	10.0	20.0	50.0
			1058007	3139557				100	300			

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Ethyl t-butyl ether	FB	Ave	20743 1999798	86815 5854055	204844	417844	1020760	1.00 100	4.00 300	10.0	20.0	50.0
2-Butanone	FB	Ave	13054 918456	41229 2839570	103343	193908	486869	2.00 200	8.00 600	20.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	8029 758483	31322 2259968	76835	151917	384363	1.00 100	4.00 300	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	10094 1054606	44848 3126035	103526	211331	533270	1.00 100	4.00 300	10.0	20.0	50.0
Propionitrile	TBAd 10	Ave	26895 704939	122701 2010052	159313	304745	382703	20.0 500	80.0 1500	100	200	250
Methacrylonitrile	FB	Ave	37867 990987	165268 3030964	207347	409455	511020	10.0 250	40.0 750	50.0	100	125
Bromochloromethane	FB	Ave	3347 357197	15013 1074408	36049	71417	178434	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd 10	Ave	8050 706350	30137 2150902	73288	147947	364213	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	11762 1171534	49390 3460738	117265	234008	591003	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	9741 1086258	46691 3240831	109594	220738	548750	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	11821 1364412	55596 4062672	127409	274320	679307	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	8966 961611	40946 2901816	94588	191622	481116	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	8112 941905	37602 2841520	90002	186712	463880	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd 10	Ave	22623 451733	77812 1300873	120513	205875	256054	50.0 1250	200 3750	250	500	625
Benzene	FB	Ave	27482 2882859	121255 8444960	291471	579170	1441815	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	9593 840328	36079 2522682	84770	172225	429984	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	20223	84704	208910	419144	1028433	1.00	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			1988798	5760472				100	300			
n-Heptane	FB	Ave	10464 1046878	46381 3245970	96495	207670	520622	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd 10	Ave	27910 404727	117039 1156217	153223	274882	219077	87.5 1250	350 3750	375	750	625
Trichloroethene	FB	Ave	6717 743823	31910 2254509	74461	148399	370130	1.00 100	4.00 300	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	12482 1482755	59504 4425497	138655	290986	727859	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	6542 721826	29557 2214549	72325	142856	365373	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	11228 1128987	44894 3318600	111297	225584	572560	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	6652 664599	27888 2066912	65739	136014	340289	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBAd 10	Ave	3059 92226	12882 242760	18043	36999	51514	50.0 1250	200 3750	250	500	625
Dibromomethane	FB	Ave	4248 432070	17592 1317486	43063	87642	215687	1.00 100	4.00 300	10.0	20.0	50.0
Bromodichloromethane	FB	Ave	8712 891653	36378 2714095	88900	179867	444666	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd 10	Ave	14415 1275241	53297 3848311	131457	269630	671495	5.00 500	20.0 1500	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	4978 548724	22055 1688986	54586	113732	276628	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	11488 1191879	46995 3617148	116619	238094	597310	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone	FB	Ave	19252 1942581	81602 5820117	217786	418410	1025119	2.00 200	8.00 600	20.0	40.0	100
Toluene	CBZd 5	Ave	17709 1911441	80669 5642691	190335	380169	958096	1.00 100	4.00 300	10.0	20.0	50.0

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GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
trans-1,3-Dichloropropene	CBZd 5	Ave	10785	43741	105490	217700	544073	1.00	4.00	10.0	20.0	50.0
			1081890	3292669				100	300			
Ethyl methacrylate	CBZd 5	Ave	11065	45287	110220	233113	575359	1.00	4.00	10.0	20.0	50.0
			1136543	3426333				100	300			
1,1,2-Trichloroethane	CBZd 5	Ave	6260	26770	64192	134785	332217	1.00	4.00	10.0	20.0	50.0
			653522	1969932				100	300			
Tetrachloroethene	CBZd 5	Ave	7148	31504	76059	154902	390182	1.00	4.00	10.0	20.0	50.0
			781665	2387114				100	300			
1,3-Dichloropropane	CBZd 5	Ave	10970	44735	108443	220479	547131	1.00	4.00	10.0	20.0	50.0
			1078541	3271574				100	300			
2-Hexanone	CBZd 5	Ave	14916	60818	164202	315168	779360	2.00	8.00	20.0	40.0	100
			1485995	4522802				200	600			
Dibromochloromethane	CBZd 5	Ave	6760	29233	70474	144676	363681	1.00	4.00	10.0	20.0	50.0
			730939	2211341				100	300			
1,2-Dibromoethane	CBZd 5	Ave	7011	29219	69813	143823	354658	1.00	4.00	10.0	20.0	50.0
			703078	2125359				100	300			
1-Chlorohexane	CBZd 5	Ave	12174	49716	113765	234470	574501	1.00	4.00	10.0	20.0	50.0
			1159311	3482986				100	300			
Chlorobenzene	CBZd 5	Ave	19777	86454	205202	417552	1040723	1.00	4.00	10.0	20.0	50.0
			2065877	6166669				100	300			
1,1,1,2-Tetrachloroethane	CBZd 5	Ave	6617	29269	69932	144577	360960	1.00	4.00	10.0	20.0	50.0
			725808	2221676				100	300			
Ethylbenzene	CBZd 5	Ave	35365	156658	373610	747709	1874916	1.00	4.00	10.0	20.0	50.0
			3686105	10624814				100	300			

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
m&p-Xylene	CBZd 5	Ave	28073	123977	291756	594118	1479417	2.00	8.00	20.0	40.0	100
			2946889	8671905				200	600			
o-Xylene	CBZd 5	Ave	12980	59597	143702	291385	724095	1.00	4.00	10.0	20.0	50.0
			1453784	4338793				100	300			
Styrene	CBZd 5	Ave	22477	99849	236225	487820	1220883	1.00	4.00	10.0	20.0	50.0
			2434804	7219074				100	300			
Bromoform	CBZd 5	Ave	4479	20344	49907	105170	266380	1.00	4.00	10.0	20.0	50.0
			531406	1647797				100	300			
Isopropylbenzene	CBZd 5	Ave	34932	159134	374219	768691	1898649	1.00	4.00	10.0	20.0	50.0
			3760404	10567385				100	300			
Cyclohexanone	TBAd 10	Ave	14498	53480	72100	155260	205075	50.0	200	250	500	625
			363408	1043273				1250	3750			
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	10202	43077	106285	213657	525252	1.00	4.00	10.0	20.0	50.0
			1020942	3127743				100	300			
Bromobenzene	DCBd 4	Ave	8365	34856	84159	169843	426230	1.00	4.00	10.0	20.0	50.0
			845224	2642788				100	300			
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	33256	137631	181424	349469	429594	10.0	40.0	50.0	100	125
			847196	2642436				250	750			
1,2,3-Trichloropropane	DCBd 4	Ave	3246	14021	33220	64629	162455	1.00	4.00	10.0	20.0	50.0
			318380	983875				100	300			
N-Propylbenzene	DCBd 4	Ave	42316	191009	442329	904715	2225524	1.00	4.00	10.0	20.0	50.0
			4400548	12107400				100	300			
2-Chlorotoluene	DCBd 4	Ave	8535	37805	88388	176825	441522	1.00	4.00	10.0	20.0	50.0
			883254	2698532				100	300			

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GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,3,5-Trimethylbenzene	DCBd 4	Ave	29303	134361	316246	640878	1589787	1.00	4.00	10.0	20.0	50.0
			3173987	9129151				100	300			
4-Chlorotoluene	DCBd 4	Ave	8557	37204	89015	180597	451913	1.00	4.00	10.0	20.0	50.0
			901978	2785136				100	300			
tert-Butylbenzene	DCBd 4	Ave	5890	27325	63520	129174	329899	1.00	4.00	10.0	20.0	50.0
			665357	2072484				100	300			
1,2,4-Trimethylbenzene	DCBd 4	Ave	30914	134662	319372	655423	1619619	1.00	4.00	10.0	20.0	50.0
			3218708	9211045				100	300			
sec-Butylbenzene	DCBd 4	Ave	35925	164185	390006	791528	1971847	1.00	4.00	10.0	20.0	50.0
			3953763	11009460				100	300			
1,3-Dichlorobenzene	DCBd 4	Ave	16044	69862	166569	335092	842082	1.00	4.00	10.0	20.0	50.0
			1688608	5156010				100	300			
p-Isopropyltoluene	DCBd 4	Ave	31736	141429	335124	688391	1710401	1.00	4.00	10.0	20.0	50.0
			3441006	9891600				100	300			
1,4-Dichlorobenzene	DCBd 4	Ave	17008	70626	166973	338562	850903	1.00	4.00	10.0	20.0	50.0
			1691218	5187143				100	300			
1,2,3-Trimethylbenzene	DCBd 4	Ave	32428	134655	321408	656464	1634895	1.00	4.00	10.0	20.0	50.0
			3223001	9370067				100	300			
Benzyl chloride	DCBd 4	Ave	23325	95701	240651	493430	1230331	1.00	4.00	10.0	20.0	50.0
			2409163	7196279				100	300			
1,3-Diethylbenzene	DCBd 4	Ave	18632	84707	205182	413728	1037840	1.00	4.00	10.0	20.0	50.0
			2083365	6164065				100	300			
1,4-Diethylbenzene	DCBd 4	Ave	20268	88698	211691	428637	1077337	1.00	4.00	10.0	20.0	50.0
			2159262	6450247				100	300			

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GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
n-Butylbenzene	DCBd 4	Ave	14603	70070	169676	339834	859961	1.00	4.00	10.0	20.0	50.0
			1732250	5208219				100	300			
1,2-Dichlorobenzene	DCBd 4	Ave	16118	66149	155704	318062	789106	1.00	4.00	10.0	20.0	50.0
			1555786	4760807				100	300			
1,2-Diethylbenzene	DCBd 4	Ave	15912	68761	169913	343132	852260	1.00	4.00	10.0	20.0	50.0
			1728921	5211795				100	300			
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	2526	10574	27188	53987	134454	1.00	4.00	10.0	20.0	50.0
			253657	791383				100	300			
1,3,5-Trichlorobenzene	DCBd 4	Ave	10066	45283	107589	219890	545766	1.00	4.00	10.0	20.0	50.0
			1109192	3406961				100	300			
1,2,4-Trichlorobenzene	DCBd 4	Ave	9033	39447	94116	195861	487310	1.00	4.00	10.0	20.0	50.0
			988409	3030660				100	300			
Hexachlorobutadiene	DCBd 4	Ave	3615	15875	38189	76671	195517	1.00	4.00	10.0	20.0	50.0
			406603	1261285				100	300			
Naphthalene	DCBd 4	Ave	37283	149204	363297	738238	1828863	1.00	4.00	10.0	20.0	50.0
			3533710	10189696				100	300			
1,2,3-Trichlorobenzene	DCBd 4	Ave	8946	37719	90011	182452	454768	1.00	4.00	10.0	20.0	50.0
			911316	2776838				100	300			
2-Methylnaphthalene	DCBd 4	Ave	19315	78233	186379	391902	981830	1.00	4.00	10.0	20.0	50.0
			1965691	5633522				100	300			
Dibromofluoromethane (Surr)	FB	Ave	266190	268512	263281	265975	270839	50.0	50.0	50.0	50.0	50.0
			272791	270040				50.0	50.0			
1,2-Dichloroethane-d4 (Surr)	FB	Ave	70093	69145	70107	68834	69691	50.0	50.0	50.0	50.0	50.0
			69238	71110				50.0	50.0			
Toluene-d8 (Surr)	CBZd 5	Ave	1142924	1135871	1129319	1135542	1155319	50.0	50.0	50.0	50.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			1144618	1157010				50.0	50.0			
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	458003	459766	449587	458330	459736	50.0	50.0	50.0	50.0	50.0
			461571	469406				50.0	50.0			

Curve Type Legend

Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-158203/9	NG10X09.D
Level 2	IC 410-158203/8	NG10X08.D
Level 3	IC 410-158203/7	NG10X07.D
Level 4	IC 410-158203/6	NG10X06.D
Level 5	ICIS 410-158203/5	NG10X05.D
Level 6	IC 410-158203/4	NG10X04.D
Level 7	IC 410-158203/3	NG10X03.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-7.0 -6.2	11.0	1.2	6.1	-3.5	-1.6	50 30	30	30	30	30	30
Chloromethane	1.9 -9.9	11.4	6.5	0.3	-6.8	-3.4	50 30	30	30	30	30	30
1,3-Butadiene	12.8 -9.4	9.4	1.2	-0.1	-8.7	-5.3	50 30	30	30	30	30	30
Vinyl chloride	-8.7 -5.4	10.3	4.5	5.6	-4.9	-1.5	50 30	30	30	30	30	30
Bromomethane	-4.6 -5.8	9.7	4.1	4.5	-4.7	-3.1	50 30	30	30	30	30	30
Chloroethane	-5.5 -6.7	8.4	5.1	5.1	-5.2	-1.3	50 30	30	30	30	30	30
Dichlorofluoromethane	1.6 -8.7	10.8	5.4	2.3	-6.4	-4.9	50 30	30	30	30	30	30
Trichlorofluoromethane	-12.5 -3.7	11.5	2.8	6.0	-3.1	-1.0	50 30	30	30	30	30	30
n-Pentane	-8.4 -2.0	5.6	-0.7	5.4	-0.4	0.5	50 30	30	30	30	30	30
Ethanol	-26.6 6.0	-6.7	-2.0	6.9	10.1	12.3	50 30	30	30	30	30	30
Freon 123a	0.0 -6.5	10.0	4.0	1.3	-5.2	-3.7	50 30	30	30	30	30	30
Acrolein	-4.5 9.6	-3.9	0.6	-0.8	-5.5	4.4	50 30	30	30	30	30	30
1,1-Dichloroethene	-7.8 -3.1	10.0	1.4	0.5	-0.9	-0.3	50 30	30	30	30	30	30
Acetone	-32.5 11.9	1.3	9.5	1.0	1.4	7.3	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Freon 113	-21.4 1.4	6.4	-1.7	5.2	4.1	5.9	50 30	30	30	30	30	30
2-Propanol	-5.0 -11.7	-4.5	1.6	7.7	0.5	11.3	50 30	30	30	30	30	30
Methyl iodide	-0.7 -4.1	4.9	0.3	-0.1	-0.3	0.0	50 30	30	30	30	30	30
Carbon disulfide	-9.3 -3.1	8.8	1.6	1.4	0.1	0.5	50 30	30	30	30	30	30
Methyl acetate	18.2 -4.3	-1.6	1.0	-3.3	-4.4	-5.6	50 30	30	30	30	30	30
Allyl chloride	-0.6 -4.7	10.1	2.7	-2.9	-2.3	-2.3	50 30	30	30	30	30	30
Methylene Chloride	0.2 -4.2	3.8	1.0	1.8	-1.4	-1.2	50 30	30	30	30	30	30
t-Butyl alcohol	2.2 -3.3	-2.1	10.9	0.5	-4.7	-3.6	50 30	30	30	30	30	30
Acrylonitrile	-6.7 -3.4	3.9	0.9	3.0	3.4	-1.1	50 30	30	30	30	30	30
Methyl tertiary butyl ether	3.2 -6.1	3.3	1.9	1.7	-0.9	-3.1	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	-5.0 -2.6	7.5	2.0	0.3	-1.2	-1.0	50 30	30	30	30	30	30
n-Hexane	-5.6 -0.7	6.3	-3.1	2.1	0.2	0.7	50 30	30	30	30	30	30
1,1-Dichloroethane	-3.6 -4.1	7.2	0.9	0.7	-0.5	-0.5	50 30	30	30	30	30	30
di-Isopropyl ether	-2.7 -4.3	5.7	1.5	1.2	0.0	-1.5	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-7.7 -1.8	6.1	0.6	1.4	1.0	0.4	50 30	30	30	30	30	30
Ethyl t-butyl ether	1.4 -6.8	6.5	1.3	2.1	-1.2	-3.3	50 30	30	30	30	30	30
2-Butanone	27.7 -9.5	1.3	2.3	-5.1	-5.7	-11.1	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	4.6 -4.1	2.4	1.3	-1.0	-0.9	-2.3	50 30	30	30	30	30	30
2,2-Dichloropropane	-4.0 -3.1	7.1	-0.3	0.6	0.5	-0.8	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Propionitrile	-12.0 4.3	1.5	3.2	4.1	-3.5	2.6	50 30	30	30	30	30	30
Methacrylonitrile	-5.8 -1.8	3.2	4.4	1.9	0.6	-2.5	50 30	30	30	30	30	30
Bromochloromethane	-5.9 -1.6	5.9	2.6	0.4	-0.7	-0.7	50 30	30	30	30	30	30
Tetrahydrofuran	4.2 10.4	-1.3	-6.1	0.0	-9.1	1.8	50 30	30	30	30	30	30
Chloroform	0.0 -4.1	5.5	0.9	-0.4	-0.5	-1.4	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-10.0 -2.4	8.3	2.5	2.0	0.4	-0.7	50 30	30	30	30	30	30
Cyclohexane	-10.6 0.1	5.5	-2.5	3.8	1.7	2.0	50 30	30	30	30	30	30
1,1-Dichloropropene	-6.2 -1.1	7.6	0.2	0.3	-0.3	-0.5	50 30	30	30	30	30	30
Carbon tetrachloride	-10.9 1.6	3.6	0.0	2.5	0.8	2.3	50 30	30	30	30	30	30
Isobutyl alcohol	6.9 -2.5	-7.0	12.7	1.6	-6.7	-5.0	50 30	30	30	30	30	30
Benzene	-4.3 -4.2	6.0	2.8	0.9	-0.6	-0.7	50 30	30	30	30	30	30
1,2-Dichloroethane	10.3 -5.5	4.1	-1.4	-1.0	-2.1	-4.5	50 30	30	30	30	30	30
t-Amyl methyl ether	-0.6 -7.7	4.5	3.9	3.1	0.1	-3.3	50 30	30	30	30	30	30
n-Heptane	-0.3 0.7	10.9	-7.0	-1.1	-1.8	-1.4	50 30	30	30	30	30	30
n-Butanol	-11.0 2.3	-5.7	12.8	6.8	-5.8	0.5	50 30	30	30	30	30	30
Trichloroethene	-9.1 -0.6	8.4	2.0	0.5	-0.8	-0.4	50 30	30	30	30	30	30
Methylcyclohexane	-12.2 1.4	5.1	-1.3	2.4	1.4	3.2	50 30	30	30	30	30	30
1,2-Dichloropropane	-8.4 1.0	3.9	2.4	0.0	1.2	-0.1	50 30	30	30	30	30	30
t-Amyl ethyl ether	0.3 -3.4	0.7	0.6	0.8	1.3	-0.3	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Methyl methacrylate	-1.2 0.0	3.9	-1.2	1.0	0.0	-2.4	50 30	30	30	30	30	30
1,4-Dioxane	-16.6 5.0	-11.2	-2.6	5.3	8.3	11.9	50 30	30	30	30	30	30
Dibromomethane	-1.7 -0.7	2.2	0.9	1.5	-1.2	-1.1	50 30	30	30	30	30	30
Bromodichloromethane	-2.1 -0.7	2.6	1.1	1.1	-1.1	-0.9	50 30	30	30	30	30	30
2-Nitropropane	3.6 9.7	-3.1	-6.4	1.2	-6.9	2.0	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-8.6 1.0	1.6	1.4	4.4	0.5	-0.4	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-2.4 0.1	0.2	0.3	1.2	0.5	0.1	50 30	30	30	30	30	30
4-Methyl-2-pentanone	-4.5 -6.0	1.6	9.3	3.8	0.6	-4.7	50 30	30	30	30	30	30
Toluene	-6.3 -3.6	6.8	3.0	0.4	-0.1	-0.2	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	0.1 -1.3	1.6	0.2	0.9	-0.5	-0.9	50 30	30	30	30	30	30
Ethyl methacrylate	-1.9 -1.9	0.5	0.0	3.2	0.6	-0.6	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-3.9 -2.4	2.8	0.8	3.3	0.5	-1.1	50 30	30	30	30	30	30
Tetrachloroethene	-6.7 0.5	2.9	1.5	0.9	0.3	0.6	50 30	30	30	30	30	30
1,3-Dichloropropane	0.7 -3.0	2.8	1.8	1.0	-1.0	-2.3	50 30	30	30	30	30	30
2-Hexanone	-2.7 -4.7	-0.7	9.6	2.6	0.2	-4.4	50 30	30	30	30	30	30
Dibromochloromethane	-5.4 -0.1	2.4	0.9	1.1	0.3	0.9	50 30	30	30	30	30	30
1,2-Dibromoethane	-0.7 -2.8	3.6	1.1	1.7	-1.0	-1.8	50 30	30	30	30	30	30
1-Chlorohexane	4.0 -4.0	6.3	-0.6	0.0	-3.3	-2.3	50 30	30	30	30	30	30
Chlorobenzene	-3.9 -3.3	5.2	2.0	1.3	-0.3	-1.0	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,1,1,2-Tetrachloroethane	-6.9 0.9	3.1	0.6	1.5	0.1	0.7	50 30	30	30	30	30	30
Ethylbenzene	-4.0 -6.8	6.5	3.8	1.4	0.3	-1.2	50 30	30	30	30	30	30
m&p-Xylene	-4.1 -4.3	6.1	2.0	1.3	-0.4	-0.7	50 30	30	30	30	30	30
o-Xylene	-8.9 -1.7	4.7	3.2	2.1	0.1	0.6	50 30	30	30	30	30	30
Styrene	-6.0 -2.5	4.5	1.1	1.8	0.6	0.5	50 30	30	30	30	30	30
Bromoform	-12.3 4.2	-0.3	0.0	2.8	2.8	2.7	50 30	30	30	30	30	30
Isopropylbenzene	-6.0 -8.2	7.2	3.1	3.3	0.7	-0.1	50 30	30	30	30	30	30
Cyclohexanone	-5.2 8.2	-11.6	-6.6	6.0	3.4	5.8	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	-2.0 -5.0	3.9	2.7	2.5	-0.4	-1.7	50 30	30	30	30	30	30
Bromobenzene	-1.2 -1.4	3.3	-0.1	0.1	-0.7	0.0	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-3.2 -2.7	0.5	6.2	1.5	-1.3	-1.2	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-0.5 -4.7	7.8	2.4	-1.1	-1.7	-2.2	50 30	30	30	30	30	30
N-Propylbenzene	-3.2 -12.5	9.6	1.7	3.2	0.4	0.8	50 30	30	30	30	30	30
2-Chlorotoluene	-3.4 -3.4	7.4	0.6	-0.1	-1.3	0.2	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-6.3 -7.7	7.8	1.7	2.3	0.4	1.7	50 30	30	30	30	30	30
4-Chlorotoluene	-4.3 -1.6	4.4	0.1	0.7	-0.3	1.0	50 30	30	30	30	30	30
tert-Butylbenzene	-9.0 1.2	5.9	-1.3	-0.4	0.6	3.0	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-2.9 -8.5	6.1	0.9	2.7	0.4	1.3	50 30	30	30	30	30	30
sec-Butylbenzene	-6.6 -9.5	7.1	2.0	2.7	1.2	3.0	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,3-Dichlorobenzene	-3.9 -2.4	5.0	0.3	0.1	-0.5	1.3	50 30	30	30	30	30	30
p-Isopropyltoluene	-5.4 -6.8	5.8	0.5	2.4	0.6	2.8	50 30	30	30	30	30	30
1,4-Dichlorobenzene	0.4 -3.2	4.6	-0.8	-0.2	-0.8	0.0	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	0.7 -8.0	4.9	0.4	1.7	0.2	0.2	50 30	30	30	30	30	30
Benzyl chloride	-2.4 -4.8	0.5	1.3	3.0	1.6	1.0	50 30	30	30	30	30	30
1,3-Diethylbenzene	-8.1 -4.0	4.8	1.7	1.8	1.0	2.9	50 30	30	30	30	30	30
1,4-Diethylbenzene	-4.4 -3.9	4.9	0.4	0.8	0.2	2.0	50 30	30	30	30	30	30
n-Butylbenzene	-12.6 -1.5	5.2	2.1	1.5	1.5	3.8	50 30	30	30	30	30	30
1,2-Dichlorobenzene	2.2 -4.6	5.2	-0.8	0.6	-1.3	-1.2	50 30	30	30	30	30	30
1,2-Diethylbenzene	-5.6 -2.3	2.4	1.4	1.6	-0.2	2.8	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	-3.4 -4.3	1.5	4.6	3.0	1.5	-2.8	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-7.1 -0.6	4.8	-0.2	1.2	-0.6	2.5	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-6.0 -0.3	3.0	-1.5	1.7	0.1	3.0	50 30	30	30	30	30	30
Hexachlorobutadiene	-6.9 2.7	2.6	-1.1	-1.5	-0.6	4.9	50 30	30	30	30	30	30
Naphthalene	3.7 -10.5	4.1	1.6	2.4	0.3	-1.6	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-1.3 -3.2	4.4	-0.1	0.4	-1.0	0.7	50 30	30	30	30	30	30
2-Methylnaphthalene	0.8 -7.1	2.5	-2.2	2.1	1.1	2.8	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	-0.4 -1.2	0.9	-0.3	-0.4	0.4	1.0	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	0.9 0.0	-0.1	2.1	-0.9	-0.7	-1.4	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 158203

SDG No.: _____

Instrument ID: 7159 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/10/2021 12:30 Calibration End Date: 08/10/2021 14:49 Calibration ID: 29578

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Toluene-d8 (Surr)	0.5 -1.4	0.1	1.6	-0.3	0.1	-0.7	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	0.2 -0.5	0.7	0.7	0.1	-0.9	-0.4	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X03.D
 Lims ID: IC level7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 10-Aug-2021 12:30:30 ALS Bottle#: 3 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0036390-003
 Misc. Info.: ICAL
 Operator ID: jml01693 Instrument ID: 7159
 Sublist: chrom-MSVoa_7159*sub19
 Method: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Aug-2021 18:51:36 Calib Date: 10-Aug-2021 14:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1630

First Level Reviewer: longj

Date: 10-Aug-2021 15:05:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.013	2.025	-0.012	99	2268704	300.0	281.4	
6 Chloromethane	50	2.219	2.232	-0.013	99	2372942	300.0	270.4	
8 Vinyl chloride	62	2.341	2.353	-0.012	98	2590191	300.0	283.8	
9 Butadiene	39	2.341	2.353	-0.012	91	2315772	300.0	271.9	
10 Bromomethane	94	2.682	2.700	-0.018	90	1810726	300.0	282.7	
11 Chloroethane	64	2.767	2.779	-0.012	99	1496866	300.0	280.0	
12 Dichlorofluoromethane	67	3.022	3.035	-0.013	97	3322826	300.0	273.8	
13 Trichlorofluoromethane	101	3.089	3.102	-0.013	98	3279907	300.0	288.9	
15 Pentane	43	3.138	3.144	-0.006	96	3837993	300.0	293.9	
16 Ethanol	45	3.211	3.223	-0.012	93	531803	7500.2	7951.3	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.436	3.448	-0.012	93	2281763	300.0	280.5	
18 Acrolein	56	3.521	3.534	-0.013	100	6142543	2999.9	3289.2	
20 1,1-Dichloroethene	96	3.686	3.692	-0.006	97	1861382	300.0	290.7	
21 Acetone	58	3.692	3.704	-0.012	100	522946	600.0	671.6	
22 112TCTFE	101	3.710	3.722	-0.012	93	2035506	300.0	304.2	
23 Isopropyl alcohol	45	3.856	3.850	0.006	99	715886	1500.0	1325.2	
24 Iodomethane	142	3.892	3.899	-0.007	97	3295911	300.0	287.6	
25 Carbon disulfide	76	4.020	4.026	-0.006	99	6327744	300.0	290.7	
26 Methyl acetate	43	4.124	4.142	-0.018	97	2012742	300.0	287.1	
27 3-Chloro-1-propene	41	4.166	4.178	-0.012	93	3142736	300.0	285.8	
* 29 t-Butyl alcohol-d10 (IS)	65	4.355	4.373	-0.018	81	251498	250.0	250.0	
28 Methylene Chloride	84	4.373	4.379	-0.006	90	2044310	300.0	287.4	
31 2-Methyl-2-propanol	59	4.489	4.489	0.000	100	1538947	1500.0	1450.7	
32 Acrylonitrile	53	4.689	4.714	-0.025	99	2601330	750.0	724.7	
33 Methyl tert-butyl ether	73	4.774	4.787	-0.013	94	5892438	300.0	281.6	
34 trans-1,2-Dichloroethene	96	4.787	4.805	-0.018	99	2067933	300.0	292.2	
36 Hexane	57	5.212	5.225	-0.013	92	3428709	300.0	298.0	
37 1,1-Dichloroethane	63	5.450	5.456	-0.006	96	3459825	300.0	287.6	
39 Isopropyl ether	45	5.505	5.511	-0.007	94	6191874	300.0	287.2	
40 2-Chloro-1,3-butadiene	53	5.559	5.572	-0.013	90	3139557	300.0	294.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.046	6.052	-0.006	97	5854055	300.0	279.6	
S 42 1,2-Dichloroethene, Total	100				0			579.9	
43 2-Butanone (MEK)	43	6.247	6.247	0.000	99	2839570	600.0	543.1	
44 cis-1,2-Dichloroethene	96	6.283	6.295	-0.012	80	2259968	300.0	287.7	
45 2,2-Dichloropropane	77	6.308	6.314	-0.006	88	3126035	300.0	290.7	
46 Propionitrile	54	6.326	6.332	-0.006	99	2010052	1500.0	1563.9	
47 Methacrylonitrile	67	6.557	6.551	0.006	91	3030964	750.0	736.7	
48 Chlorobromomethane	128	6.624	6.630	-0.006	71	1074408	300.0	295.2	
49 Tetrahydrofuran	71	6.630	6.636	-0.006	90	2150902	1500.0	1656.6	
50 Chloroform	83	6.770	6.776	-0.006	93	3460738	300.0	287.7	
\$ 51 Dibromofluoromethane (Surr)	113	6.983	6.995	-0.012	93	270040	50.0	49.4	
52 1,1,1-Trichloroethane	97	7.007	7.007	0.000	98	3240831	300.0	292.7	
54 Cyclohexane	56	7.111	7.111	0.000	89	4062672	300.0	300.2	
56 1,1-Dichloropropene	75	7.220	7.226	-0.006	95	2901816	300.0	296.8	
55 Carbon tetrachloride	117	7.220	7.226	-0.006	81	2841520	300.0	304.9	
58 Isobutyl alcohol	41	7.342	7.348	-0.006	95	1300873	3750.0	3656.2	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.451	7.457	-0.006	81	71110	50.0	50.0	
60 Benzene	78	7.482	7.488	-0.006	96	8444960	300.0	287.5	
61 1,2-Dichloroethane	62	7.555	7.555	0.000	97	2522682	300.0	283.5	
62 Tert-amyl methyl ether	73	7.670	7.670	0.000	98	5760472	300.0	276.8	
* 64 Fluorobenzene (IS)	96	7.889	7.895	-0.006	99	1136140	50.0	50.0	
65 n-Heptane	43	7.901	7.902	-0.001	90	3245970	300.0	302.1	
66 n-Butanol	56	8.230	8.230	0.000	87	1156217	3750.0	3836.9	
67 Trichloroethene	95	8.376	8.376	0.000	99	2254509	300.0	298.2	
68 Methylcyclohexane	83	8.686	8.692	-0.006	94	4425497	300.0	304.3	
69 2-ethoxy-2-methyl butane	87	8.711	8.711	0.000	92	3318600	300.0	289.7	
70 1,2-Dichloropropane	63	8.711	8.711	0.000	88	2214549	300.0	302.9	
71 Methyl methacrylate	69	8.784	8.784	0.000	90	2066912	300.0	299.9	
72 1,4-Dioxane	88	8.796	8.808	-0.012	30	242760	3750.0	3936.0	M
74 Dibromomethane	93	8.820	8.820	0.000	97	1317486	300.0	298.0	
75 Dichlorobromomethane	83	9.051	9.057	-0.006	100	2714095	300.0	298.0	
77 2-Nitropropane	41	9.313	9.313	0.000	98	3848311	1500.0	1645.5	
78 2-Chloroethyl vinyl ether	63	9.404	9.404	0.000	91	1688986	300.0	303.0	
79 cis-1,3-Dichloropropene	75	9.593	9.593	0.000	97	3617148	300.0	300.3	
80 4-Methyl-2-pentanone (MIBK)	43	9.751	9.751	0.000	95	5820117	600.0	564.1	
\$ 81 Toluene-d8 (Surr)	98	9.897	9.897	0.000	93	1157010	50.0	49.3	
82 Toluene	92	9.970	9.970	0.000	99	5642691	300.0	289.2	
S 83 1,3-Dichloropropene, Total	100				0			596.3	
84 trans-1,3-Dichloropropene	75	10.219	10.219	0.000	92	3292669	300.0	296.0	
85 Ethyl methacrylate	69	10.274	10.274	0.000	89	3426333	300.0	294.3	
86 1,1,2-Trichloroethane	97	10.426	10.426	0.000	90	1969932	300.0	292.8	
87 Tetrachloroethene	166	10.517	10.517	0.000	97	2387114	300.0	301.6	
88 1,3-Dichloropropane	76	10.584	10.584	0.000	89	3271574	300.0	290.9	
89 2-Hexanone	43	10.627	10.627	0.000	95	4522802	600.0	571.6	
90 Chlorodibromomethane	129	10.797	10.803	-0.006	90	2211341	300.0	299.7	
91 Ethylene Dibromide	107	10.913	10.913	0.000	99	2125359	300.0	291.5	
S 92 Xylenes, Total	106				0			868.9	
* 93 Chlorobenzene-d5 (IS)	117	11.339	11.339	0.000	85	942788	50.0	50.0	
94 1-Chlorohexane	91	11.345	11.345	0.000	97	3482986	300.0	288.1	
95 Chlorobenzene	112	11.363	11.363	0.000	96	6166669	300.0	290.2	
96 1,1,1,2-Tetrachloroethane	131	11.448	11.448	0.000	96	2221676	300.0	302.7	
97 Ethylbenzene	91	11.448	11.448	0.000	98	10624814	300.0	279.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
98 m-Xylene & p-Xylene	106	11.564	11.564	0.000	96	8671905	600.0	574.1	
99 o-Xylene	106	11.892	11.892	0.000	95	4338793	300.0	294.9	
100 Styrene	104	11.904	11.905	0.000	94	7219074	300.0	292.4	
101 Bromoform	173	12.069	12.069	0.000	97	1647797	300.0	312.6	
102 Isopropylbenzene	105	12.190	12.190	0.000	96	10567385	300.0	275.5	
103 Cyclohexanone	55	12.263	12.263	0.000	91	1043273	3750.0	4058.0	
\$ 104 4-Bromofluorobenzene (Surr)	95	12.336	12.336	0.000	89	469406	50.0	49.7	
105 1,1,2,2-Tetrachloroethane	83	12.434	12.434	0.000	94	3127743	300.0	285.0	
106 Bromobenzene	156	12.452	12.452	0.000	95	2642788	300.0	295.9	
107 trans-1,4-Dichloro-2-butene	53	12.458	12.458	0.000	87	2642436	750.0	729.5	
108 1,2,3-Trichloropropane	110	12.482	12.482	0.000	83	983875	300.0	286.0	
109 N-Propylbenzene	91	12.519	12.519	0.000	97	12107400	300.0	262.5	
110 2-Chlorotoluene	126	12.598	12.598	0.000	97	2698532	300.0	289.7	
111 1,3,5-Trimethylbenzene	105	12.653	12.653	0.000	95	9129151	300.0	276.9	
112 4-Chlorotoluene	126	12.689	12.689	0.000	97	2785136	300.0	295.3	
113 tert-Butylbenzene	134	12.896	12.896	0.000	92	2072484	300.0	303.6	
115 1,2,4-Trimethylbenzene	105	12.939	12.939	0.000	97	9211045	300.0	274.4	
116 sec-Butylbenzene	105	13.060	13.060	0.000	95	11009460	300.0	271.5	
117 1,3-Dichlorobenzene	146	13.164	13.164	0.000	97	5156010	300.0	292.8	
118 4-Isopropyltoluene	119	13.170	13.170	0.000	95	9891600	300.0	279.7	
* 119 1,4-Dichlorobenzene-d4	152	13.218	13.219	-0.001	91	517511	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.237	13.237	0.000	94	5187143	300.0	290.4	
121 1,2,3-Trimethylbenzene	105	13.243	13.243	0.000	98	9370067	300.0	275.9	
122 Benzyl chloride	91	13.310	13.310	0.000	98	7196279	300.0	285.5	
123 1,3-Diethylbenzene	119	13.371	13.365	0.006	94	6164065	300.0	288.1	
124 p-Diethylbenzene	119	13.444	13.438	0.006	93	6450247	300.0	288.4	
125 n-Butylbenzene	92	13.462	13.462	0.000	97	5208219	300.0	295.5	
126 1,2-Dichlorobenzene	146	13.498	13.498	0.000	98	4760807	300.0	286.1	
127 o-diethylbenzene	119	13.510	13.511	-0.001	95	5211795	300.0	293.2	
129 1,2-Dibromo-3-Chloropropane	75	14.040	14.040	0.000	88	791383	300.0	287.0	
130 1,3,5-Trichlorobenzene	180	14.168	14.168	0.000	98	3406961	300.0	298.1	
131 1,2,4-Trichlorobenzene	180	14.593	14.593	0.000	95	3030660	300.0	299.1	
132 Hexachlorobutadiene	225	14.672	14.673	-0.001	98	1261285	300.0	308.0	
133 Naphthalene	128	14.776	14.776	0.000	98	10189696	300.0	268.6	
134 1,2,3-Trichlorobenzene	180	14.922	14.922	0.000	96	2776838	300.0	290.5	
135 2-Methylnaphthalene	142	15.573	15.579	-0.006	91	5633522	300.0	278.8	
S 144 Total Diethylbenzene	1				0			869.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_V_ETOH_00012	Amount Added: 30.00	Units: uL	
MSV_VCYC_00006	Amount Added: 30.00	Units: uL	
MSV_CCV_2CEVE_00013	Amount Added: 15.00	Units: uL	
MSV_CCV_VOC#3_00013	Amount Added: 12.00	Units: uL	
MSV_CCV_VOC#1_00014	Amount Added: 15.00	Units: uL	
MSV_CCV_GASES_00053	Amount Added: 7.50	Units: uL	
MSV_Cent_ISSS_00001	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 10-Aug-2021 18:51:37

Chrom Revision: 2.3 03-Aug-2021 10:08:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X03.D

Injection Date: 10-Aug-2021 12:30:30

Instrument ID: 7159

Operator ID: jml01693

Lims ID: IC level7

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

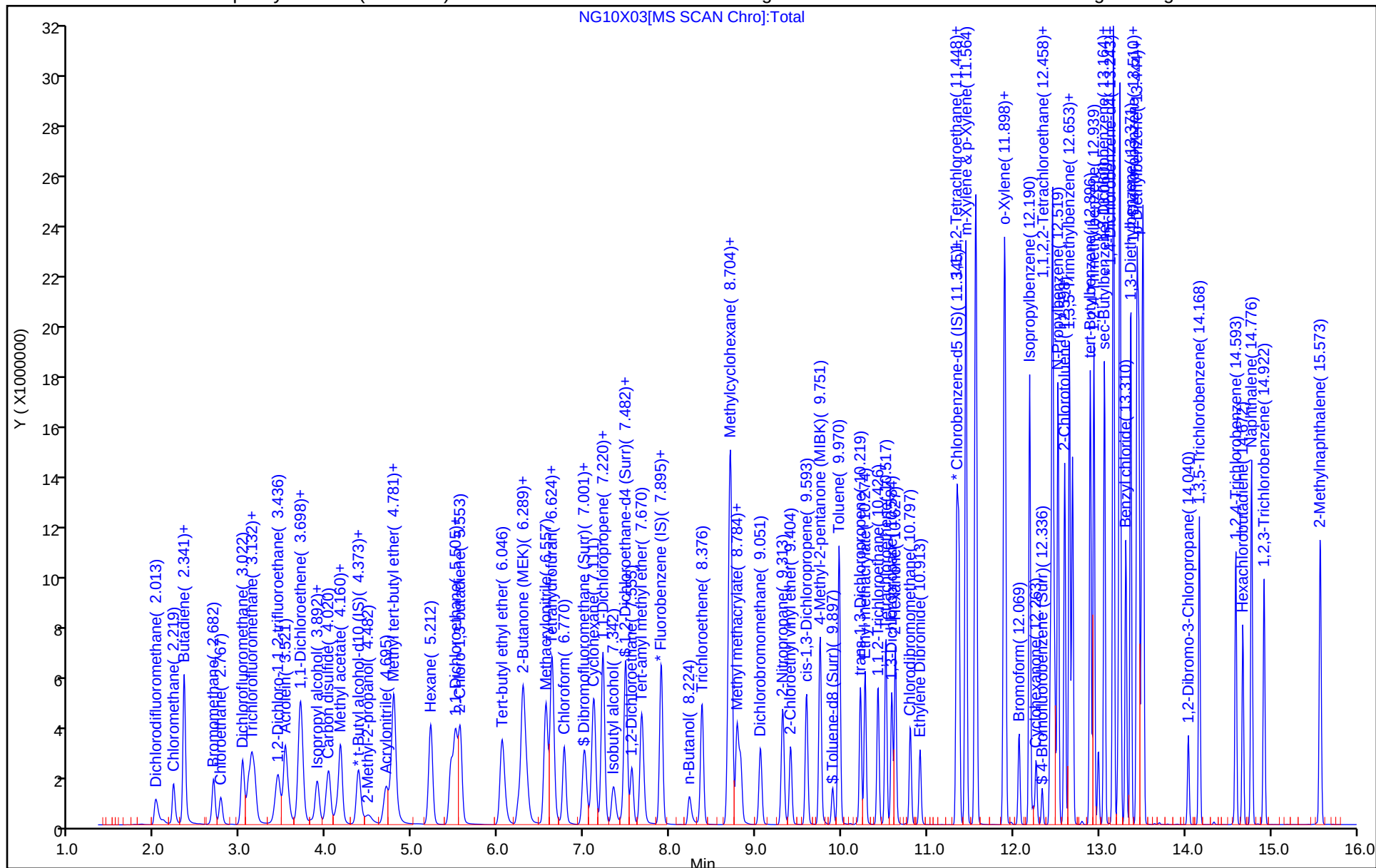
ALS Bottle#: 3

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC

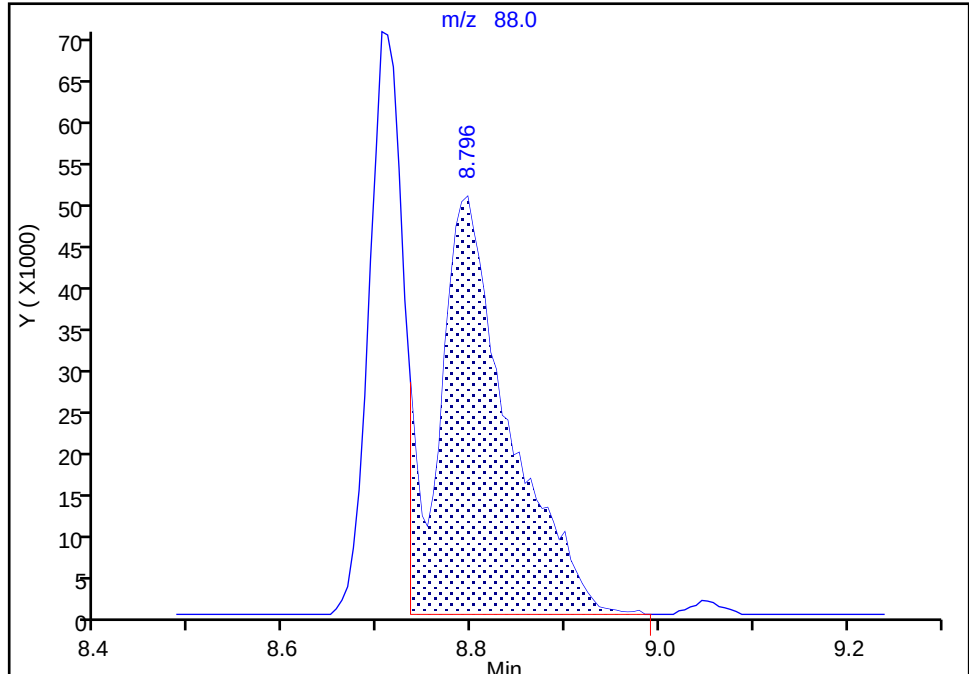
Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X03.D
Injection Date: 10-Aug-2021 12:30:30 Instrument ID: 7159
Lims ID: IC level7
Client ID:
Operator ID: jml01693 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

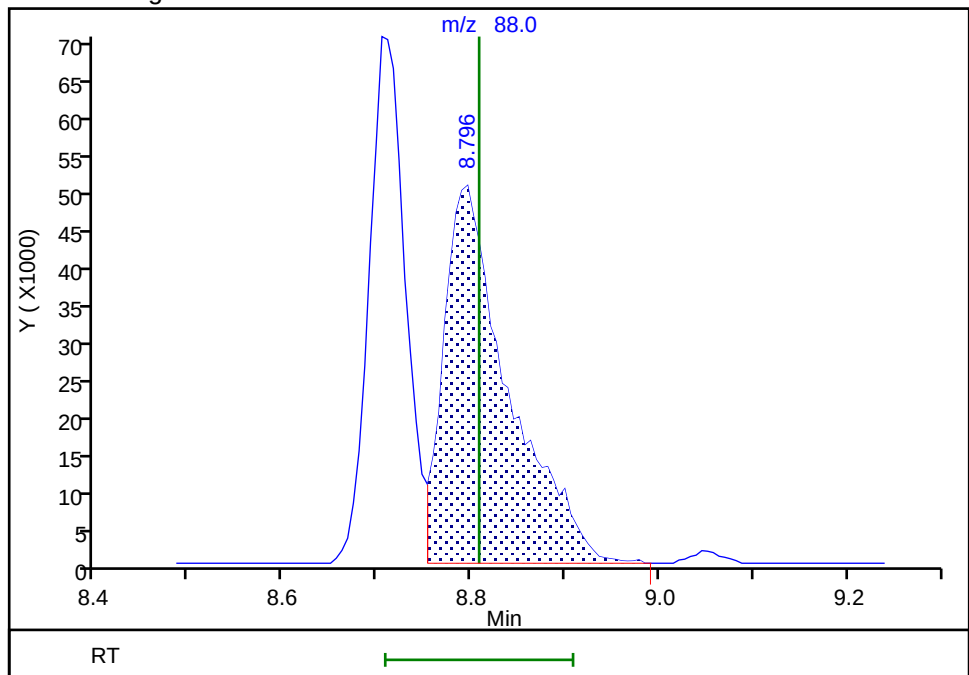
RT: 8.80
Area: 264261
Amount: 4010.2026
Amount Units: ug/l

Processing Integration Results



RT: 8.80
Area: 242760
Amount: 3936.0457
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 10-Aug-2021 15:17:08
Audit Action: Split an Integrated Peak

Audit Reason: Split Peak
Page 67 of 741

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X04.D
 Lims ID: IC std6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 10-Aug-2021 12:53:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0036390-004
 Misc. Info.: ICAL
 Operator ID: jml01693 Instrument ID: 7159
 Sublist: chrom-MSVoa_7159*sub19
 Method: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Aug-2021 18:51:42 Calib Date: 10-Aug-2021 14:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1630

First Level Reviewer: longj

Date: 10-Aug-2021 15:05:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.019	2.025	-0.006	99	784004	100.0	98.4	
6 Chloromethane	50	2.225	2.232	-0.007	99	837800	100.0	96.6	
8 Vinyl chloride	62	2.347	2.353	-0.006	98	888862	100.0	98.5	
9 Butadiene	39	2.347	2.353	-0.006	91	797091	100.0	94.7	
10 Bromomethane	94	2.688	2.700	-0.012	90	613087	100.0	96.9	
11 Chloroethane	64	2.779	2.779	0.000	99	521630	100.0	98.7	
12 Dichlorofluoromethane	67	3.029	3.035	-0.007	97	1140137	100.0	95.1	
13 Trichlorofluoromethane	101	3.102	3.102	0.000	98	1110726	100.0	99.0	
15 Pentane	43	3.138	3.144	-0.006	97	1297379	100.0	100.5	
16 Ethanol	45	3.211	3.223	-0.012	92	200732	2500.1	2806.8	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.436	3.448	-0.012	91	774352	100.0	96.3	
18 Acrolein	56	3.527	3.534	-0.007	100	2085003	1000.0	1044.1	
20 1,1-Dichloroethene	96	3.686	3.692	-0.006	97	631071	100.0	99.7	
21 Acetone	58	3.698	3.704	-0.006	87	178599	200.0	214.5	
22 112TCTFE	101	3.710	3.722	-0.012	93	700091	100.0	105.9	
23 Isopropyl alcohol	45	3.862	3.850	0.012	96	321482	500.0	556.5	
24 Iodomethane	142	3.898	3.899	-0.001	97	1132337	100.0	100.0	
25 Carbon disulfide	76	4.026	4.026	0.000	99	2162531	100.0	100.5	
26 Methyl acetate	43	4.136	4.142	-0.006	97	653992	100.0	94.4	
27 3-Chloro-1-propene	41	4.172	4.178	-0.006	94	1061905	100.0	97.7	
* 29 t-Butyl alcohol-d10 (IS)	65	4.349	4.373	-0.024	84	268925	250.0	250.0	
28 Methylene Chloride	84	4.373	4.379	-0.006	91	694208	100.0	98.8	
31 2-Methyl-2-propanol	59	4.489	4.489	0.000	100	546720	500.0	482.0	
32 Acrylonitrile	53	4.701	4.714	-0.013	99	877269	250.0	247.3	
33 Methyl tert-butyl ether	73	4.774	4.787	-0.013	94	2004390	100.0	96.9	
34 trans-1,2-Dichloroethene	96	4.793	4.805	-0.012	99	692467	100.0	99.0	
36 Hexane	57	5.219	5.225	-0.006	92	1144721	100.0	100.7	
37 1,1-Dichloroethane	63	5.450	5.456	-0.006	96	1182250	100.0	99.5	
39 Isopropyl ether	45	5.505	5.511	-0.007	94	2098589	100.0	98.5	
40 2-Chloro-1,3-butadiene	53	5.565	5.572	-0.007	90	1058007	100.0	100.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.052	6.052	0.000	97	1999798	100.0	96.7	
S 42 1,2-Dichloroethene, Total	100				0			196.7	
43 2-Butanone (MEK)	43	6.241	6.247	-0.006	99	918456	200.0	177.8	
44 cis-1,2-Dichloroethene	96	6.289	6.295	-0.006	81	758483	100.0	97.7	
45 2,2-Dichloropropane	77	6.308	6.314	-0.006	88	1054606	100.0	99.2	
46 Propionitrile	54	6.326	6.332	-0.006	99	704939	500.0	512.9	
47 Methacrylonitrile	67	6.557	6.551	0.006	91	990987	250.0	243.8	
48 Chlorobromomethane	128	6.624	6.630	-0.006	94	357197	100.0	99.3	
49 Tetrahydrofuran	71	6.630	6.636	-0.006	88	706350	500.0	508.8	
50 Chloroform	83	6.770	6.776	-0.006	93	1171534	100.0	98.6	
\$ 51 Dibromofluoromethane (Surr)	113	6.989	6.995	-0.006	93	272791	50.0	50.5	
52 1,1,1-Trichloroethane	97	7.007	7.007	0.000	98	1086258	100.0	99.3	
54 Cyclohexane	56	7.117	7.111	0.006	89	1364412	100.0	102.0	
56 1,1-Dichloropropene	75	7.220	7.226	-0.006	95	961611	100.0	99.5	
55 Carbon tetrachloride	117	7.226	7.226	0.000	86	941905	100.0	102.3	
58 Isobutyl alcohol	41	7.336	7.348	-0.012	95	451733	1250.0	1187.4	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.457	0.000	82	69238	50.0	49.3	
60 Benzene	78	7.488	7.488	0.000	95	2882859	100.0	99.3	
61 1,2-Dichloroethane	62	7.555	7.555	0.000	97	840328	100.0	95.5	
62 Tert-amyl methyl ether	73	7.670	7.670	0.000	98	1988798	100.0	96.7	
* 64 Fluorobenzene (IS)	96	7.889	7.895	-0.006	99	1122725	50.0	50.0	
65 n-Heptane	43	7.901	7.902	-0.001	91	1046878	100.0	98.6	
66 n-Butanol	56	8.230	8.230	0.000	86	404727	1250.0	1256.1	
67 Trichloroethene	95	8.376	8.376	0.000	99	743823	100.0	99.6	
68 Methylcyclohexane	83	8.692	8.692	0.000	94	1482755	100.0	103.2	
69 2-ethoxy-2-methyl butane	87	8.711	8.711	0.000	96	1128987	100.0	99.7	
70 1,2-Dichloropropane	63	8.711	8.711	0.000	77	721826	100.0	99.9	
71 Methyl methacrylate	69	8.784	8.784	0.000	89	664599	100.0	97.6	
72 1,4-Dioxane	88	8.790	8.808	-0.018	32	92226	1250.0	1398.4	M
74 Dibromomethane	93	8.820	8.820	0.000	97	432070	100.0	98.9	
75 Dichlorobromomethane	83	9.057	9.057	0.000	100	891653	100.0	99.1	
77 2-Nitropropane	41	9.313	9.313	0.000	97	1275241	500.0	509.9	
78 2-Chloroethyl vinyl ether	63	9.404	9.404	0.000	91	548724	100.0	99.6	
79 cis-1,3-Dichloropropene	75	9.593	9.593	0.000	96	1191879	100.0	100.1	
80 4-Methyl-2-pentanone (MIBK)	43	9.751	9.751	0.000	96	1942581	200.0	190.5	
\$ 81 Toluene-d8 (Surr)	98	9.897	9.897	0.000	93	1144618	50.0	49.7	
82 Toluene	92	9.970	9.970	0.000	98	1911441	100.0	99.8	
S 83 1,3-Dichloropropene, Total	100				0			199.2	
84 trans-1,3-Dichloropropene	75	10.219	10.219	0.000	92	1081890	100.0	99.1	
85 Ethyl methacrylate	69	10.274	10.274	0.000	89	1136543	100.0	99.4	
86 1,1,2-Trichloroethane	97	10.426	10.426	0.000	90	653522	100.0	98.9	
87 Tetrachloroethene	166	10.517	10.517	0.000	96	781665	100.0	100.6	
88 1,3-Dichloropropane	76	10.584	10.584	0.000	89	1078541	100.0	97.7	
89 2-Hexanone	43	10.627	10.627	0.000	95	1485995	200.0	191.3	
90 Chlorodibromomethane	129	10.797	10.803	-0.006	90	730939	100.0	100.9	
91 Ethylene Dibromide	107	10.913	10.913	0.000	98	703078	100.0	98.2	
S 92 Xylenes, Total	106				0			299.3	
* 93 Chlorobenzene-d5 (IS)	117	11.339	11.339	0.000	84	925635	50.0	50.0	
94 1-Chlorohexane	91	11.345	11.345	0.000	96	1159311	100.0	97.7	
95 Chlorobenzene	112	11.363	11.363	0.000	95	2065877	100.0	99.0	
96 1,1,1,2-Tetrachloroethane	131	11.448	11.448	0.000	97	725808	100.0	100.7	
97 Ethylbenzene	91	11.448	11.448	0.000	98	3686105	100.0	98.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
98 m-Xylene & p-Xylene	106	11.564	11.564	0.000	99	2946889	200.0	198.7	
99 o-Xylene	106	11.892	11.892	0.000	96	1453784	100.0	100.6	
100 Styrene	104	11.904	11.905	0.000	94	2434804	100.0	100.5	
101 Bromoform	173	12.069	12.069	0.000	97	531406	100.0	102.7	
102 Isopropylbenzene	105	12.190	12.190	0.000	95	3760404	100.0	99.9	
103 Cyclohexanone	55	12.263	12.263	0.000	91	363408	1250.0	1321.9	
\$ 104 4-Bromofluorobenzene (Surr)	95	12.336	12.336	0.000	88	461571	50.0	49.8	
105 1,1,2,2-Tetrachloroethane	83	12.434	12.434	0.000	94	1020942	100.0	98.3	
106 Bromobenzene	156	12.452	12.452	0.000	95	845224	100.0	100.0	
107 trans-1,4-Dichloro-2-butene	53	12.458	12.458	0.000	92	847196	250.0	247.1	
108 1,2,3-Trichloropropane	110	12.482	12.482	0.000	83	318380	100.0	97.8	
109 N-Propylbenzene	91	12.519	12.519	0.000	98	4400548	100.0	100.8	
110 2-Chlorotoluene	126	12.598	12.598	0.000	97	883254	100.0	100.2	
111 1,3,5-Trimethylbenzene	105	12.653	12.653	0.000	94	3173987	100.0	101.7	
112 4-Chlorotoluene	126	12.689	12.689	0.000	97	901978	100.0	101.0	
113 tert-Butylbenzene	134	12.896	12.896	0.000	93	665357	100.0	103.0	
115 1,2,4-Trimethylbenzene	105	12.939	12.939	0.000	97	3218708	100.0	101.3	
116 sec-Butylbenzene	105	13.060	13.060	0.000	94	3953763	100.0	103.0	
117 1,3-Dichlorobenzene	146	13.164	13.164	0.000	98	1688608	100.0	101.3	
118 4-Isopropyltoluene	119	13.170	13.170	0.000	97	3441006	100.0	102.8	
* 119 1,4-Dichlorobenzene-d4	152	13.218	13.219	-0.001	95	489870	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.237	13.237	0.000	94	1691218	100.0	100.0	
121 1,2,3-Trimethylbenzene	105	13.243	13.243	0.000	98	3223001	100.0	100.2	
122 Benzyl chloride	91	13.310	13.310	0.000	98	2409163	100.0	101.0	
123 1,3-Diethylbenzene	119	13.364	13.365	-0.001	95	2083365	100.0	102.9	
124 p-Diethylbenzene	119	13.437	13.438	-0.001	94	2159262	100.0	102.0	
125 n-Butylbenzene	92	13.462	13.462	0.000	97	1732250	100.0	103.8	
126 1,2-Dichlorobenzene	146	13.498	13.498	0.000	98	1555786	100.0	98.8	
127 o-diethylbenzene	119	13.510	13.511	-0.001	95	1728921	100.0	102.8	
129 1,2-Dibromo-3-Chloropropane	75	14.040	14.040	0.000	88	253657	100.0	97.2	
130 1,3,5-Trichlorobenzene	180	14.168	14.168	0.000	97	1109192	100.0	102.5	
131 1,2,4-Trichlorobenzene	180	14.593	14.593	0.000	94	988409	100.0	103.0	
132 Hexachlorobutadiene	225	14.672	14.673	-0.001	98	406603	100.0	104.9	
133 Naphthalene	128	14.776	14.776	0.000	97	3533710	100.0	98.4	
134 1,2,3-Trichlorobenzene	180	14.922	14.922	0.000	96	911316	100.0	100.7	
135 2-Methylnaphthalene	142	15.573	15.579	-0.006	92	1965691	100.0	102.8	
S 144 Total Diethylbenzene	1				0			307.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_V_ETOH_00012	Amount Added: 10.00	Units: uL	
MSV_VCYC_00006	Amount Added: 10.00	Units: uL	
MSV_CCV_2CEVE_00013	Amount Added: 5.00	Units: uL	
MSV_CCV_VOC#3_00013	Amount Added: 4.00	Units: uL	
MSV_CCV_VOC#1_00014	Amount Added: 5.00	Units: uL	
MSV_CCV_GASES_00053	Amount Added: 2.50	Units: uL	
MSV_Cent_ISSS_00001	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 10-Aug-2021 18:51:43

Chrom Revision: 2.3 03-Aug-2021 10:08:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X04.D

Injection Date: 10-Aug-2021 12:53:30

Instrument ID: 7159

Operator ID: jml01693

Lims ID: IC std6

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

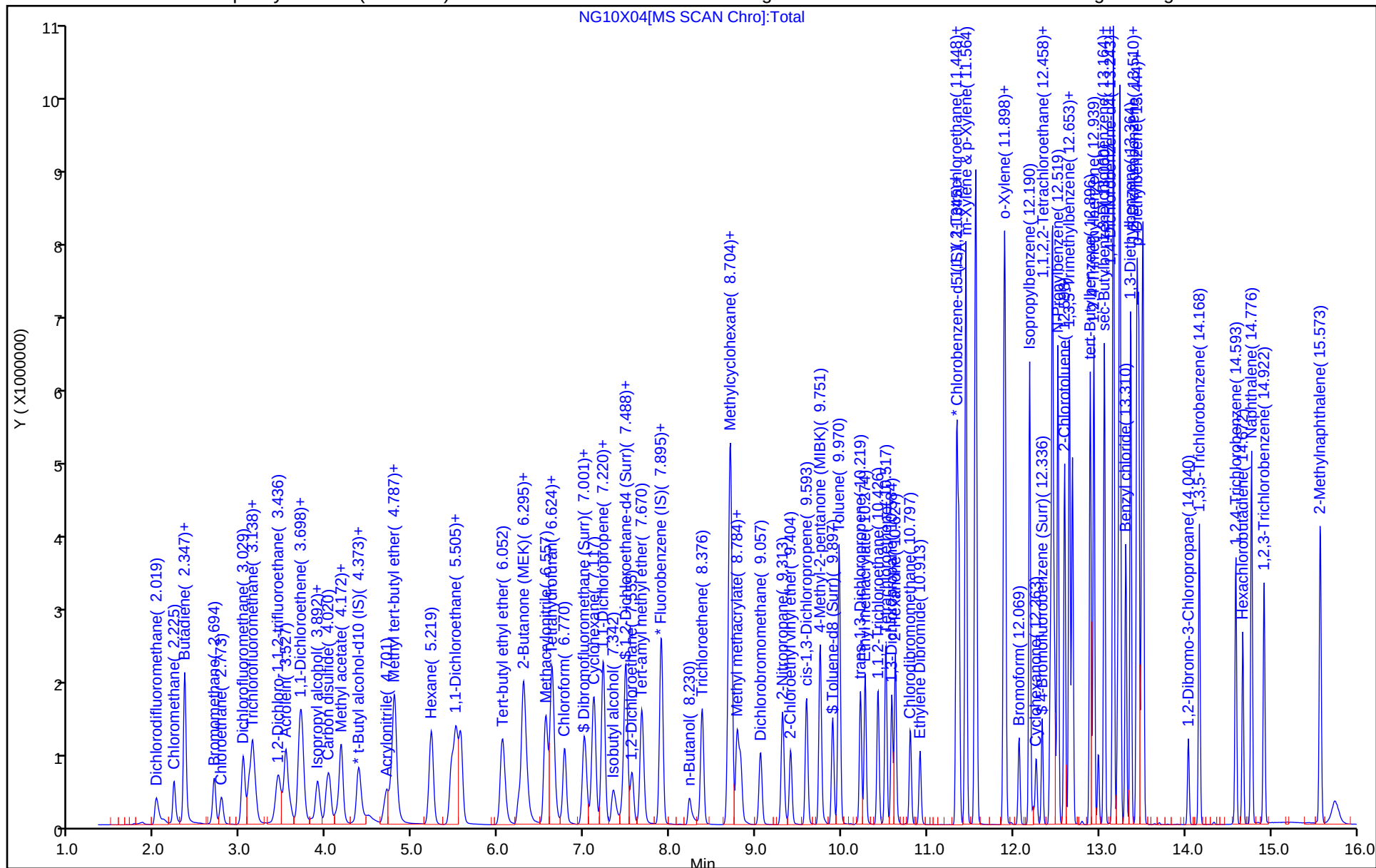
ALS Bottle#: 4

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X04.D

Injection Date: 10-Aug-2021 12:53:30

Instrument ID: 7159

Lims ID: IC std6

Client ID:

Operator ID: jml01693

ALS Bottle#:

4

Worklist Smp#: 4

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

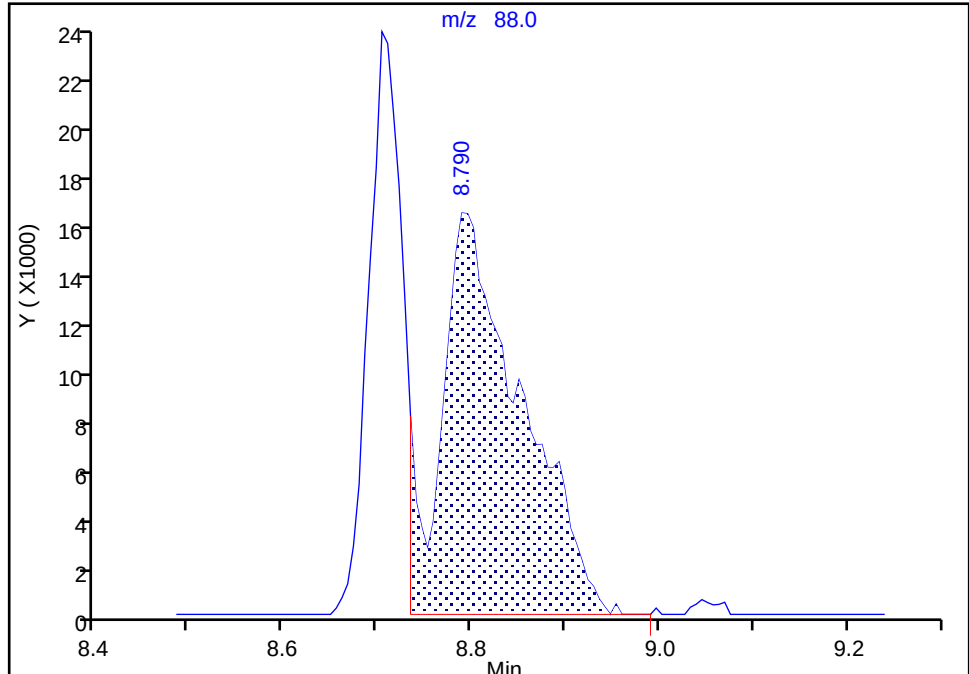
MS Quad

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

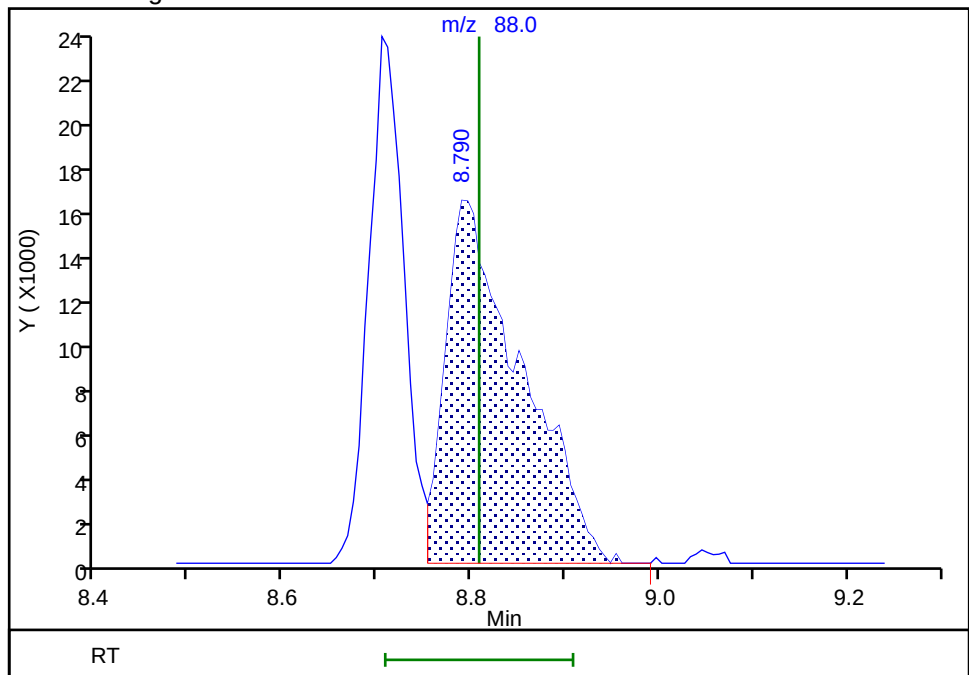
RT: 8.79
Area: 98160
Amount: 1417.7352
Amount Units: ug/l

Processing Integration Results



RT: 8.79
Area: 92226
Amount: 1398.4268
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 10-Aug-2021 15:18:10

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X05.D
 Lims ID: ICIS
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 10-Aug-2021 13:17:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0036390-005
 Misc. Info.: ICAL
 Operator ID: jml01693 Instrument ID: 7159
 Sublist: chrom-MSVoa_7159*sub19
 Method: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Aug-2021 18:51:48 Calib Date: 10-Aug-2021 14:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1630

First Level Reviewer: longj

Date: 10-Aug-2021 14:51:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.013	2.013	0.000	99	384039	50.0	48.2	M
6 Chloromethane	50	2.220	2.220	0.000	99	403576	50.0	46.6	
8 Vinyl chloride	62	2.341	2.341	0.000	88	428481	50.0	47.5	
9 Butadiene	39	2.341	2.341	0.000	91	383684	50.0	45.6	
10 Bromomethane	94	2.688	2.688	0.000	91	301222	50.0	47.6	
11 Chloroethane	64	2.773	2.773	0.000	100	250224	50.0	47.4	
12 Dichlorofluoromethane	67	3.023	3.023	0.000	97	560466	50.0	46.8	
13 Trichlorofluoromethane	101	3.096	3.096	0.000	98	543293	50.0	48.5	
15 Pentane	43	3.132	3.132	0.000	96	641913	50.0	49.8	
16 Ethanol	45	3.205	3.205	0.000	22	113588	1250.0	1376.0	M
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.436	3.436	0.000	92	380747	50.0	47.4	
18 Acrolein	56	3.521	3.521	0.000	99	1089257	500.0	472.6	
20 1,1-Dichloroethene	96	3.680	3.680	0.000	97	313306	50.0	49.6	
21 Acetone	58	3.692	3.692	0.000	51	97458	100.0	101.4	
22 112TCTFE	101	3.716	3.716	0.000	93	343962	50.0	52.1	
23 Isopropyl alcohol	45	3.838	3.838	0.000	96	167537	250.0	251.3	M
24 Iodomethane	142	3.886	3.886	0.000	97	564120	50.0	49.9	
25 Carbon disulfide	76	4.008	4.008	0.000	99	1075746	50.0	50.0	
26 Methyl acetate	43	4.130	4.130	0.000	98	330789	50.0	47.8	
27 3-Chloro-1-propene	41	4.166	4.166	0.000	94	530620	50.0	48.9	
* 29 t-Butyl alcohol-d10 (IS)	65	4.361	4.361	0.000	86	310403	250.0	250.0	
28 Methylene Chloride	84	4.367	4.367	0.000	90	346062	50.0	49.3	
31 2-Methyl-2-propanol	59	4.477	4.477	0.000	100	312032	250.0	238.3	
32 Acrylonitrile	53	4.696	4.696	0.000	100	457835	125.0	129.2	
33 Methyl tert-butyl ether	73	4.769	4.769	0.000	94	1023554	50.0	49.5	
34 trans-1,2-Dichloroethene	96	4.787	4.787	0.000	99	345030	50.0	49.4	
36 Hexane	57	5.219	5.219	0.000	91	569332	50.0	50.1	
37 1,1-Dichloroethane	63	5.450	5.450	0.000	96	590712	50.0	49.7	
39 Isopropyl ether	45	5.505	5.505	0.000	94	1064643	50.0	50.0	
40 2-Chloro-1,3-butadiene	53	5.559	5.559	0.000	90	531669	50.0	50.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.040	6.040	0.000	97	1020760	50.0	49.4	
43 2-Butanone (MEK)	43	6.235	6.235	0.000	99	486869	100.0	94.3	
44 cis-1,2-Dichloroethene	96	6.289	6.289	0.000	81	384363	50.0	49.6	
45 2,2-Dichloropropane	77	6.302	6.302	0.000	87	533270	50.0	50.2	
46 Propionitrile	54	6.320	6.320	0.000	99	382703	250.0	241.3	
47 Methacrylonitrile	67	6.551	6.551	0.000	91	511020	125.0	125.8	
48 Chlorobromomethane	128	6.624	6.624	0.000	94	178434	50.0	49.7	
49 Tetrahydrofuran	71	6.624	6.624	0.000	87	364213	250.0	227.3	
50 Chloroform	83	6.770	6.770	0.000	93	591003	50.0	49.8	
\$ 51 Dibromofluoromethane (Surr)	113	6.989	6.989	0.000	93	270839	50.0	50.2	
52 1,1,1-Trichloroethane	97	7.001	7.001	0.000	98	548750	50.0	50.2	
54 Cyclohexane	56	7.105	7.105	0.000	89	679307	50.0	50.8	
56 1,1-Dichloropropene	75	7.220	7.220	0.000	95	481116	50.0	49.8	
55 Carbon tetrachloride	117	7.220	7.220	0.000	88	463880	50.0	50.4	
58 Isobutyl alcohol	41	7.342	7.342	0.000	95	256054	625.0	583.1	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.451	7.451	0.000	82	69691	50.0	49.7	
60 Benzene	78	7.482	7.482	0.000	96	1441815	50.0	49.7	
61 1,2-Dichloroethane	62	7.555	7.555	0.000	97	429984	50.0	48.9	
62 Tert-amyl methyl ether	73	7.664	7.664	0.000	98	1028433	50.0	50.0	
* 64 Fluorobenzene (IS)	96	7.889	7.889	0.000	99	1121707	50.0	50.0	
65 n-Heptane	43	7.895	7.895	0.000	91	520622	50.0	49.1	
66 n-Butanol	56	8.230	8.230	0.000	87	219077	625.0	589.0	
67 Trichloroethene	95	8.370	8.370	0.000	98	370130	50.0	49.6	
68 Methylcyclohexane	83	8.686	8.686	0.000	94	727859	50.0	50.7	
69 2-ethoxy-2-methyl butane	87	8.711	8.711	0.000	93	572560	50.0	50.6	
70 1,2-Dichloropropane	63	8.711	8.711	0.000	81	365373	50.0	50.6	
71 Methyl methacrylate	69	8.778	8.778	0.000	91	340289	50.0	50.0	
72 1,4-Dioxane	88	8.784	8.784	0.000	29	51514	625.0	676.7	M
74 Dibromomethane	93	8.820	8.820	0.000	97	215687	50.0	49.4	
75 Dichlorobromomethane	83	9.051	9.051	0.000	100	444666	50.0	49.5	
77 2-Nitropropane	41	9.313	9.313	0.000	97	671495	250.0	232.6	
78 2-Chloroethyl vinyl ether	63	9.404	9.404	0.000	91	276628	50.0	50.3	
79 cis-1,3-Dichloropropene	75	9.587	9.587	0.000	96	597310	50.0	50.2	
80 4-Methyl-2-pentanone (MIBK)	43	9.751	9.751	0.000	96	1025119	100.0	100.6	
\$ 81 Toluene-d8 (Surr)	98	9.891	9.891	0.000	93	1155319	50.0	50.1	
82 Toluene	92	9.970	9.970	0.000	98	958096	50.0	49.9	
84 trans-1,3-Dichloropropene	75	10.219	10.219	0.000	92	544073	50.0	49.8	
85 Ethyl methacrylate	69	10.274	10.274	0.000	89	575359	50.0	50.3	
86 1,1,2-Trichloroethane	97	10.420	10.420	0.000	90	332217	50.0	50.2	
87 Tetrachloroethene	166	10.518	10.518	0.000	97	390182	50.0	50.2	
88 1,3-Dichloropropane	76	10.584	10.584	0.000	89	547131	50.0	49.5	
89 2-Hexanone	43	10.627	10.627	0.000	96	779360	100.0	100.2	
90 Chlorodibromomethane	129	10.797	10.797	0.000	90	363681	50.0	50.1	
91 Ethylene Dibromide	107	10.913	10.913	0.000	99	354658	50.0	49.5	
* 93 Chlorobenzene-d5 (IS)	117	11.339	11.339	0.000	85	926768	50.0	50.0	
94 1-Chlorohexane	91	11.339	11.339	0.000	96	574501	50.0	48.3	
95 Chlorobenzene	112	11.363	11.363	0.000	95	1040723	50.0	49.8	
96 1,1,1,2-Tetrachloroethane	131	11.442	11.442	0.000	97	360960	50.0	50.0	
97 Ethylbenzene	91	11.448	11.448	0.000	98	1874916	50.0	50.2	
98 m-Xylene & p-Xylene	106	11.564	11.564	0.000	100	1479417	100.0	99.6	
99 o-Xylene	106	11.892	11.892	0.000	96	724095	50.0	50.1	
100 Styrene	104	11.905	11.905	0.000	95	1220883	50.0	50.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
101 Bromoform	173	12.069	12.069	0.000	96	266380	50.0	51.4	
102 Isopropylbenzene	105	12.191	12.191	0.000	95	1898649	50.0	50.4	
103 Cyclohexanone	55	12.264	12.264	0.000	91	205075	625.0	646.3	
\$ 104 4-Bromofluorobenzene (Surr)	95	12.337	12.337	0.000	88	459736	50.0	49.6	
105 1,1,2,2-Tetrachloroethane	83	12.428	12.428	0.000	93	525252	50.0	49.8	
106 Bromobenzene	156	12.452	12.452	0.000	96	426230	50.0	49.7	
107 trans-1,4-Dichloro-2-butene	53	12.458	12.458	0.000	92	429594	125.0	123.4	
108 1,2,3-Trichloropropane	110	12.483	12.483	0.000	83	162455	50.0	49.1	
109 N-Propylbenzene	91	12.519	12.519	0.000	99	2225524	50.0	50.2	
110 2-Chlorotoluene	126	12.598	12.598	0.000	97	441522	50.0	49.3	
111 1,3,5-Trimethylbenzene	105	12.653	12.653	0.000	94	1589787	50.0	50.2	
112 4-Chlorotoluene	126	12.689	12.689	0.000	97	451913	50.0	49.9	
113 tert-Butylbenzene	134	12.896	12.896	0.000	92	329899	50.0	50.3	
115 1,2,4-Trimethylbenzene	105	12.939	12.939	0.000	97	1619619	50.0	50.2	
116 sec-Butylbenzene	105	13.060	13.060	0.000	94	1971847	50.0	50.6	
117 1,3-Dichlorobenzene	146	13.164	13.164	0.000	97	842082	50.0	49.8	
118 4-Isopropyltoluene	119	13.170	13.170	0.000	97	1710401	50.0	50.3	
* 119 1,4-Dichlorobenzene-d4	152	13.219	13.219	0.000	94	497346	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.237	13.237	0.000	94	850903	50.0	49.6	
121 1,2,3-Trimethylbenzene	105	13.243	13.243	0.000	98	1634895	50.0	50.1	
122 Benzyl chloride	91	13.310	13.310	0.000	98	1230331	50.0	50.8	
123 1,3-Diethylbenzene	119	13.365	13.365	0.000	95	1037840	50.0	50.5	
124 p-Diethylbenzene	119	13.438	13.438	0.000	94	1077337	50.0	50.1	
125 n-Butylbenzene	92	13.462	13.462	0.000	97	859961	50.0	50.8	
126 1,2-Dichlorobenzene	146	13.498	13.498	0.000	98	789106	50.0	49.3	
127 o-diethylbenzene	119	13.511	13.511	0.000	96	852260	50.0	49.9	
129 1,2-Dibromo-3-Chloropropane	75	14.040	14.040	0.000	87	134454	50.0	50.7	
130 1,3,5-Trichlorobenzene	180	14.168	14.168	0.000	98	545766	50.0	49.7	
131 1,2,4-Trichlorobenzene	180	14.594	14.594	0.000	95	487310	50.0	50.0	
132 Hexachlorobutadiene	225	14.673	14.673	0.000	98	195517	50.0	49.7	
133 Naphthalene	128	14.776	14.776	0.000	97	1828863	50.0	50.2	
134 1,2,3-Trichlorobenzene	180	14.922	14.922	0.000	96	454768	50.0	49.5	
135 2-Methylnaphthalene	142	15.579	15.579	0.000	92	981830	50.0	50.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_VCYC_00006	Amount Added: 10.00	Units: uL	
MSV_V_ETOH_00012	Amount Added: 10.00	Units: uL	
MSV_CCV_2CEVE_00013	Amount Added: 5.00	Units: uL	
MSV_CCV_VOC#3_00013	Amount Added: 4.00	Units: uL	
MSV_CCV_VOC#1_00014	Amount Added: 5.00	Units: uL	
MSV_CCV_GASES_00056	Amount Added: 2.50	Units: uL	
MSV_Cent_ISSS_00001	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 10-Aug-2021 18:51:49

Chrom Revision: 2.3 03-Aug-2021 10:08:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X05.D

Injection Date: 10-Aug-2021 13:17:30

Instrument ID: 7159

Operator ID: jml01693

Lims ID: ICIS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

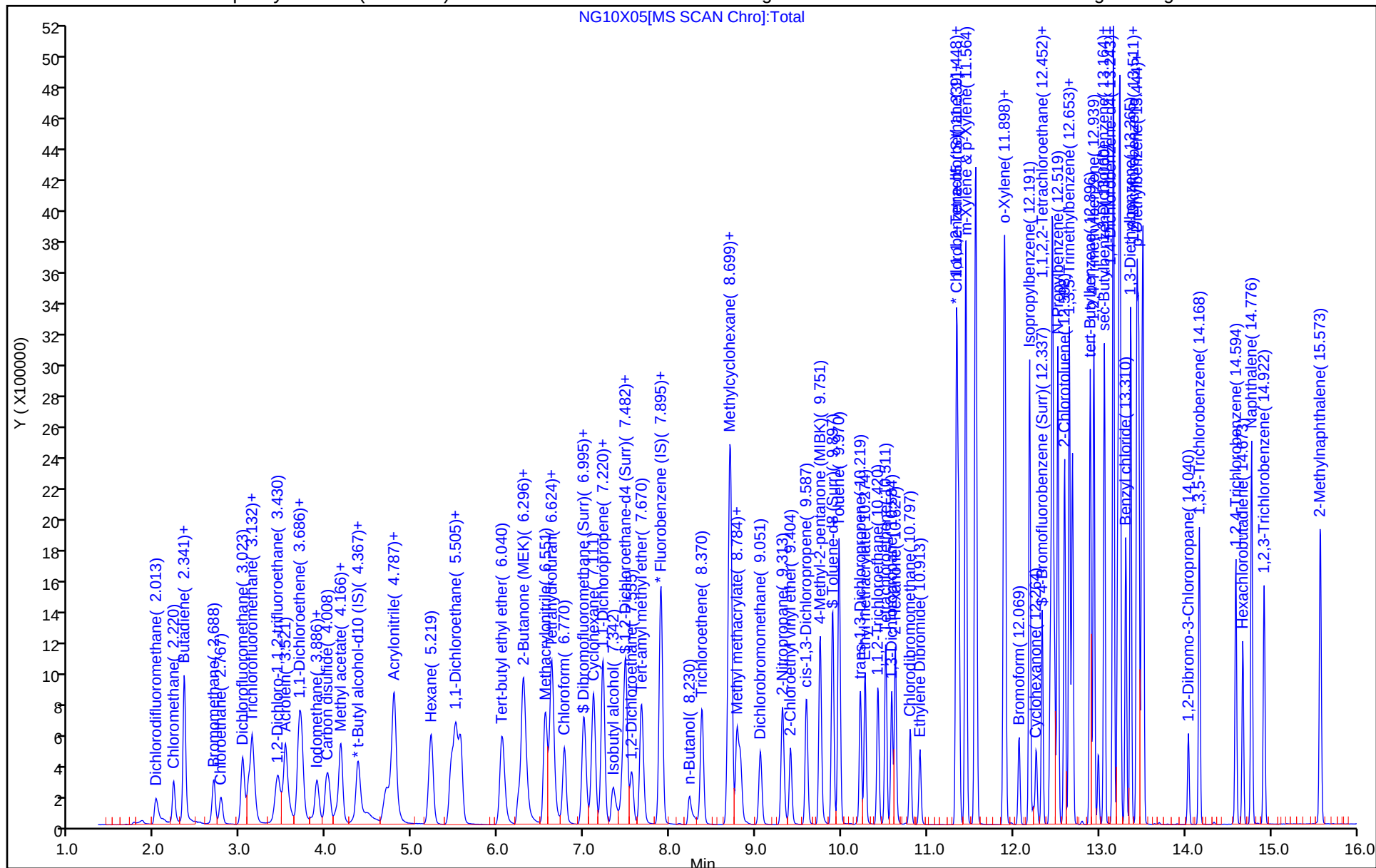
ALS Bottle#: 5

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X05.D

Injection Date: 10-Aug-2021 13:17:30

Instrument ID: 7159

Lims ID: ICIS

Client ID:

Operator ID: jml01693

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

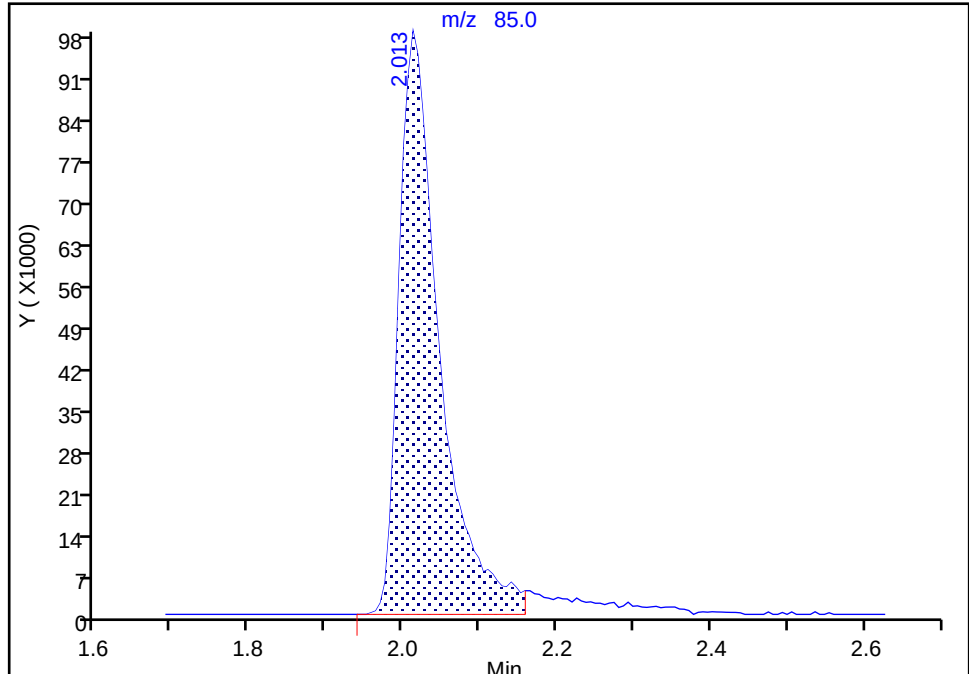
MS Quad

5 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

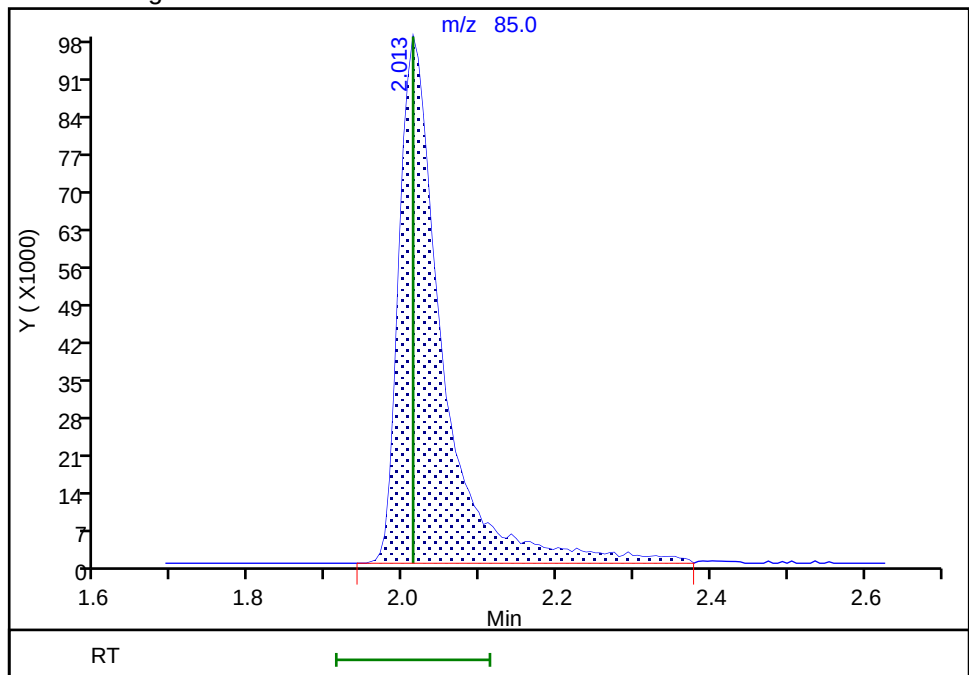
RT: 2.01
Area: 359523
Amount: 45.688549
Amount Units: ug/l

Processing Integration Results



RT: 2.01
Area: 384039
Amount: 48.241978
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:35:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

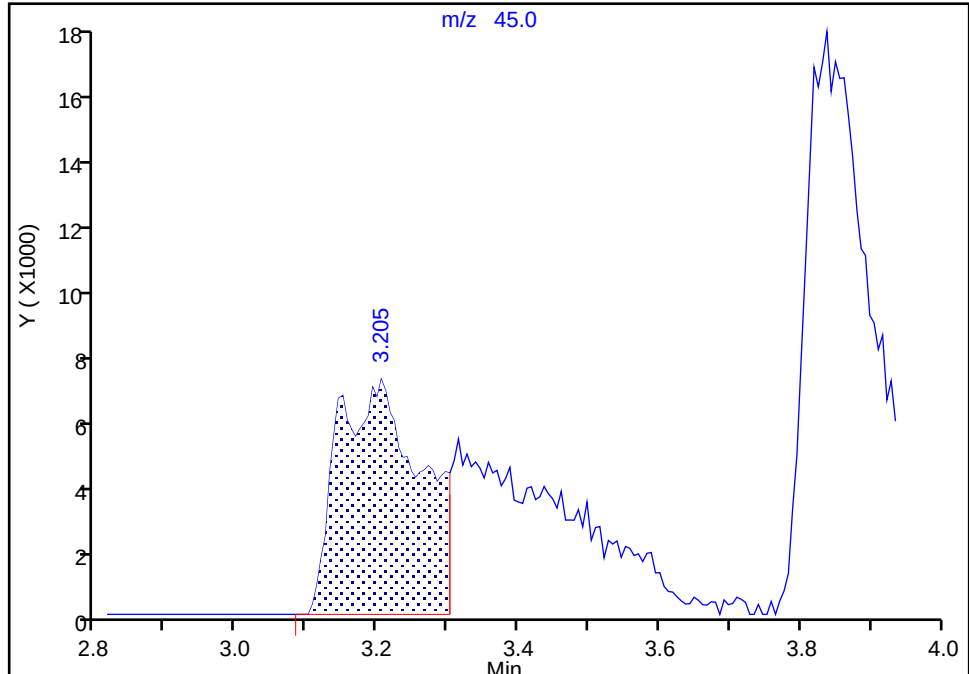
Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X05.D
Injection Date: 10-Aug-2021 13:17:30 Instrument ID: 7159
Lims ID: ICIS
Client ID:
Operator ID: jml01693 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

16 Ethanol, CAS: 64-17-5

Signal: 1

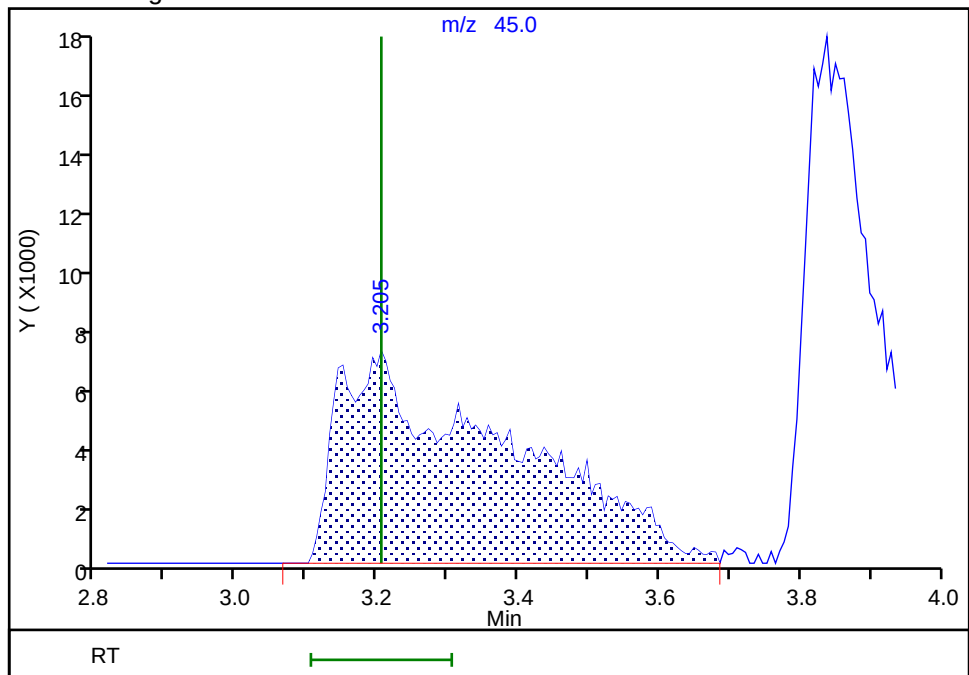
RT: 3.21
Area: 56202
Amount: 715.4738
Amount Units: ug/l

Processing Integration Results



RT: 3.21
Area: 113588
Amount: 1376.0384
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 10-Aug-2021 15:19:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X05.D

Injection Date: 10-Aug-2021 13:17:30

Instrument ID: 7159

Lims ID: ICIS

Client ID:

Operator ID: jml01693

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

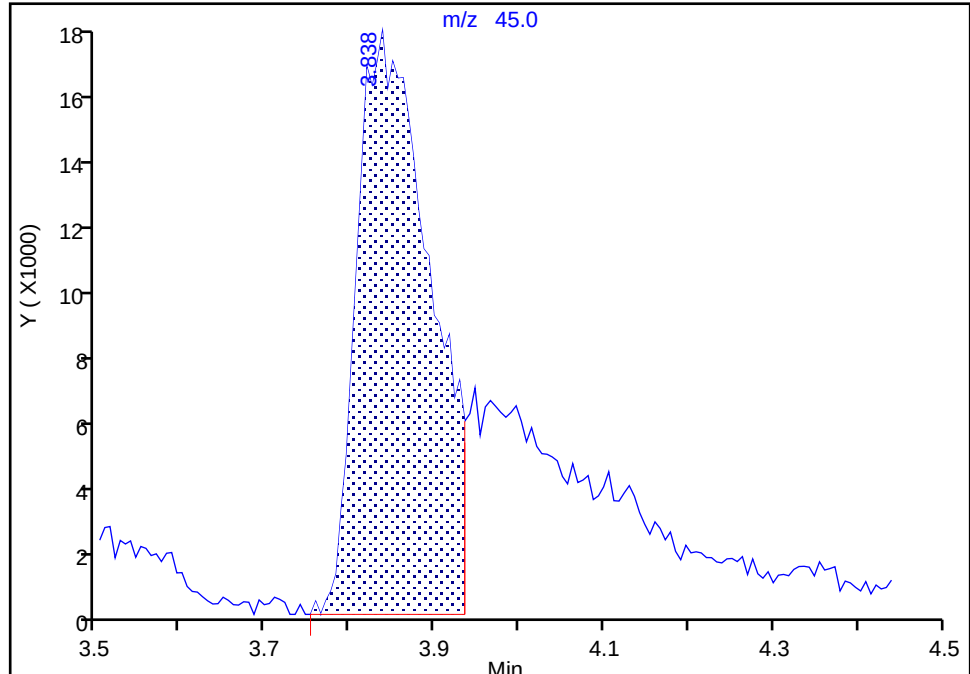
MS Quad

23 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

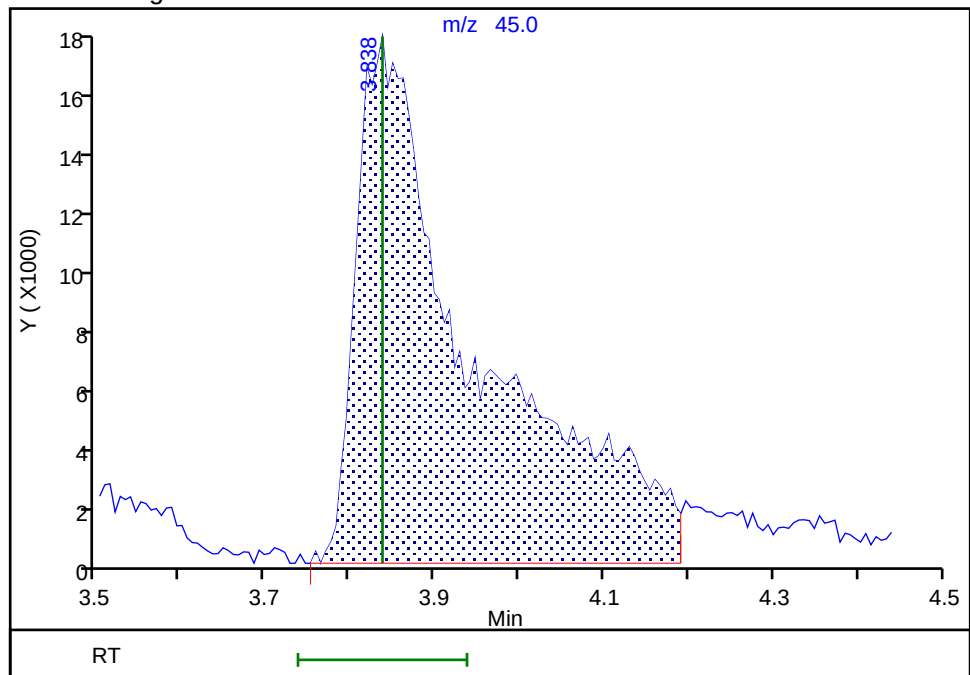
RT: 3.84
Area: 102958
Amount: 163.6254
Amount Units: ug/l

Processing Integration Results



RT: 3.84
Area: 167537
Amount: 251.2799
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:36:14

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X05.D

Injection Date: 10-Aug-2021 13:17:30

Instrument ID: 7159

Lims ID: ICIS

Client ID:

Operator ID: jml01693

ALS Bottle#:

5

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

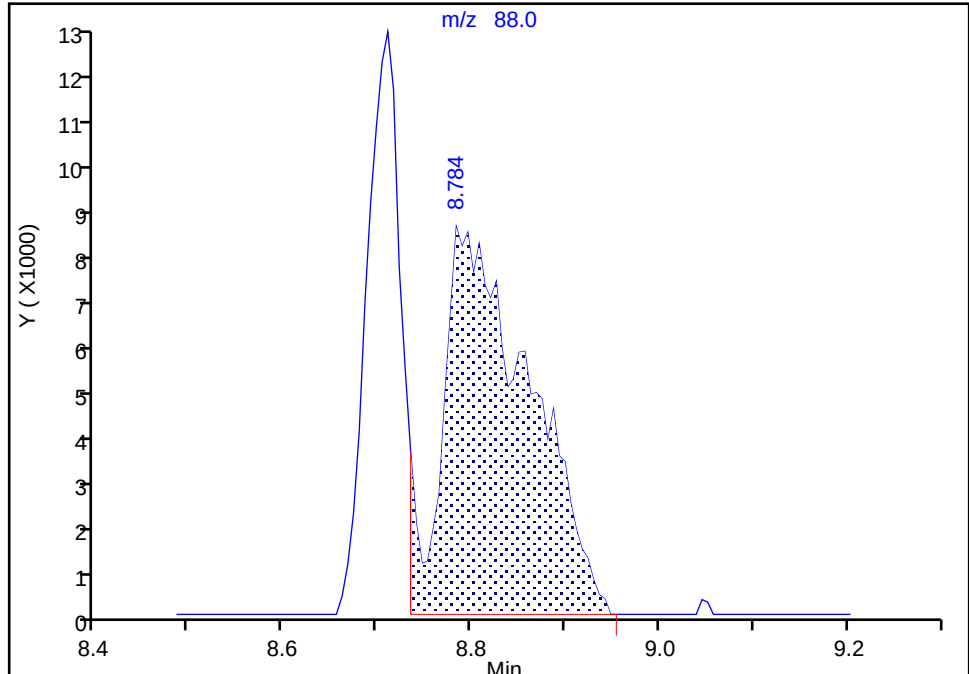
MS Quad

[72 1,4-Dioxane, CAS: 123-91-1](#)

Signal: 1

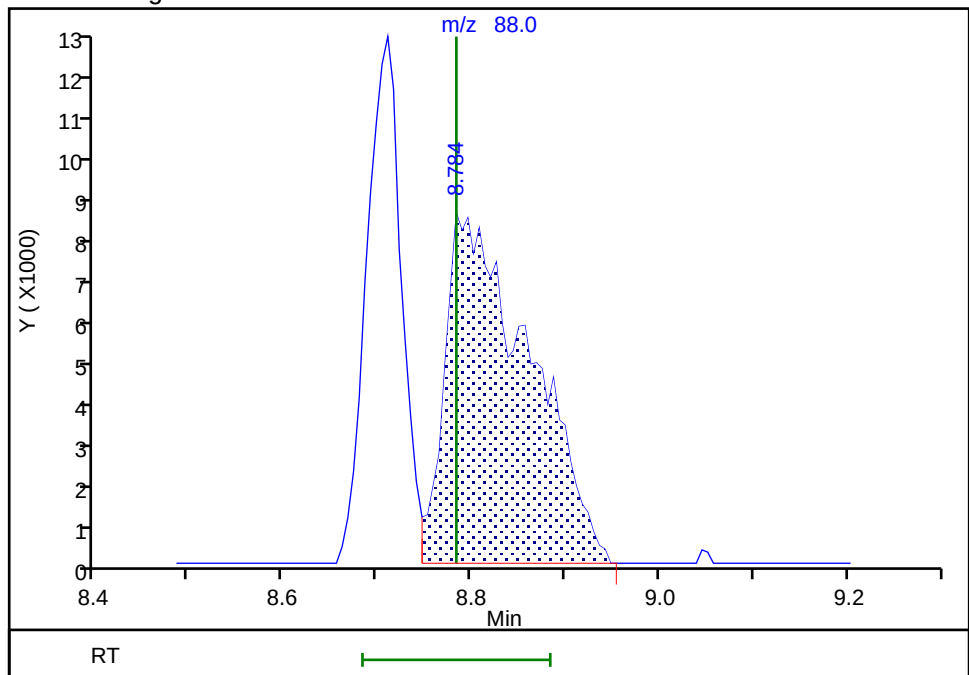
RT: 8.78
Area: 53477
Amount: 678.4682
Amount Units: ug/l

Processing Integration Results



RT: 8.78
Area: 51514
Amount: 676.7323
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 10-Aug-2021 15:20:06

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X06.D
 Lims ID: IC std4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 10-Aug-2021 13:40:30 ALS Bottle#: 6 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0036390-006
 Misc. Info.: ICAL
 Operator ID: jml01693 Instrument ID: 7159
 Sublist: chrom-MSVoa_7159*sub19
 Method: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Aug-2021 18:51:54 Calib Date: 10-Aug-2021 14:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1630

First Level Reviewer: longj

Date: 10-Aug-2021 15:21:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.025	2.025	0.000	99	167190	20.0	21.2	M
6 Chloromethane	50	2.232	2.232	0.000	99	171875	20.0	20.1	
8 Vinyl chloride	62	2.353	2.353	0.000	86	188410	20.0	21.1	
9 Butadiene	39	2.353	2.353	0.000	90	166320	20.0	20.0	
10 Bromomethane	94	2.700	2.700	0.000	91	130761	20.0	20.9	
11 Chloroethane	64	2.779	2.779	0.000	99	109835	20.0	21.0	
12 Dichlorofluoromethane	67	3.035	3.035	0.000	97	242452	20.0	20.5	
13 Trichlorofluoromethane	101	3.102	3.102	0.000	97	235178	20.0	21.2	
15 Pentane	43	3.144	3.144	0.000	98	268994	20.0	21.1	
16 Ethanol	45	3.223	3.223	0.000	78	81476	1000.0	1069.5	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.448	3.448	0.000	91	161007	20.0	20.3	
18 Acrolein	56	3.534	3.534	0.000	100	421823	200.0	198.3	
20 1,1-Dichloroethene	96	3.692	3.692	0.000	97	125766	20.0	20.1	
21 Acetone	58	3.704	3.704	0.000	50	35834	40.0	40.4	
22 112TCTFE	101	3.722	3.722	0.000	93	137555	20.0	21.0	
23 Isopropyl alcohol	45	3.850	3.850	0.000	99	132592	200.0	215.5	
24 Iodomethane	142	3.899	3.899	0.000	97	223797	20.0	20.0	
25 Carbon disulfide	76	4.026	4.026	0.000	99	431476	20.0	20.3	
26 Methyl acetate	43	4.142	4.142	0.000	97	132389	20.0	19.3	
27 3-Chloro-1-propene	41	4.178	4.178	0.000	93	208744	20.0	19.4	
* 29 t-Butyl alcohol-d10 (IS)	65	4.373	4.373	0.000	94	286475	250.0	250.0	
28 Methylene Chloride	84	4.379	4.379	0.000	90	141464	20.0	20.4	
31 2-Methyl-2-propanol	59	4.489	4.489	0.000	100	242844	200.0	201.0	
32 Acrylonitrile	53	4.714	4.714	0.000	100	180647	50.0	51.5	
33 Methyl tert-butyl ether	73	4.787	4.787	0.000	94	415827	20.0	20.3	
34 trans-1,2-Dichloroethene	96	4.805	4.805	0.000	99	138739	20.0	20.1	
36 Hexane	57	5.225	5.225	0.000	91	229642	20.0	20.4	
37 1,1-Dichloroethane	63	5.456	5.456	0.000	96	236739	20.0	20.1	
39 Isopropyl ether	45	5.511	5.511	0.000	94	426231	20.0	20.2	
40 2-Chloro-1,3-butadiene	53	5.572	5.572	0.000	90	211179	20.0	20.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.052	6.052	0.000	97	417844	20.0	20.4	
S 42 1,2-Dichloroethene, Total	100				0			39.9	
43 2-Butanone (MEK)	43	6.247	6.247	0.000	99	193908	40.0	38.0	
44 cis-1,2-Dichloroethene	96	6.295	6.295	0.000	81	151917	20.0	19.8	
45 2,2-Dichloropropane	77	6.314	6.314	0.000	89	211331	20.0	20.1	
46 Propionitrile	54	6.332	6.332	0.000	99	304745	200.0	208.2	
47 Methacrylonitrile	67	6.551	6.551	0.000	91	409455	100.0	101.9	
48 Chlorobromomethane	128	6.630	6.630	0.000	93	71417	20.0	20.1	
49 Tetrahydrofuran	71	6.636	6.636	0.000	85	147947	100.0	100.0	
50 Chloroform	83	6.776	6.776	0.000	93	234008	20.0	19.9	
\$ 51 Dibromofluoromethane (Surr)	113	6.995	6.995	0.000	94	265975	50.0	49.8	
52 1,1,1-Trichloroethane	97	7.007	7.007	0.000	98	220738	20.0	20.4	
54 Cyclohexane	56	7.111	7.111	0.000	91	274320	20.0	20.8	
56 1,1-Dichloropropene	75	7.226	7.226	0.000	95	191622	20.0	20.1	
55 Carbon tetrachloride	117	7.226	7.226	0.000	89	186712	20.0	20.5	
58 Isobutyl alcohol	41	7.348	7.348	0.000	95	205875	500.0	508.0	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.457	0.000	98	68834	50.0	49.6	
60 Benzene	78	7.488	7.488	0.000	96	579170	20.0	20.2	
61 1,2-Dichloroethane	62	7.555	7.555	0.000	97	172225	20.0	19.8	
62 Tert-amyl methyl ether	73	7.670	7.670	0.000	98	419144	20.0	20.6	
* 64 Fluorobenzene (IS)	96	7.895	7.895	0.000	99	1109988	50.0	50.0	
65 n-Heptane	43	7.902	7.902	0.000	90	207670	20.0	19.8	
66 n-Butanol	56	8.230	8.230	0.000	86	274882	750.0	800.8	
67 Trichloroethene	95	8.376	8.376	0.000	99	148399	20.0	20.1	
68 Methylcyclohexane	83	8.692	8.692	0.000	94	290986	20.0	20.5	
69 2-ethoxy-2-methyl butane	87	8.711	8.711	0.000	94	225584	20.0	20.2	
70 1,2-Dichloropropane	63	8.711	8.711	0.000	71	142856	20.0	20.0	
71 Methyl methacrylate	69	8.784	8.784	0.000	91	136014	20.0	20.2	
72 1,4-Dioxane	88	8.808	8.808	0.000	34	36999	500.0	526.6	Ma
74 Dibromomethane	93	8.820	8.820	0.000	98	87642	20.0	20.3	
75 Dichlorobromomethane	83	9.057	9.057	0.000	99	179867	20.0	20.2	
77 2-Nitropropane	41	9.313	9.313	0.000	97	269630	100.0	101.2	
78 2-Chloroethyl vinyl ether	63	9.404	9.404	0.000	91	113732	20.0	20.9	
79 cis-1,3-Dichloropropene	75	9.593	9.593	0.000	97	238094	20.0	20.2	
80 4-Methyl-2-pentanone (MIBK)	43	9.751	9.751	0.000	96	418410	40.0	41.5	
\$ 81 Toluene-d8 (Surr)	98	9.897	9.897	0.000	93	1135542	50.0	49.9	
82 Toluene	92	9.970	9.970	0.000	98	380169	20.0	20.1	
S 83 1,3-Dichloropropene, Total	100				0			40.4	
84 trans-1,3-Dichloropropene	75	10.219	10.219	0.000	92	217700	20.0	20.2	
85 Ethyl methacrylate	69	10.274	10.274	0.000	89	233113	20.0	20.6	
86 1,1,2-Trichloroethane	97	10.426	10.426	0.000	89	134785	20.0	20.7	
87 Tetrachloroethene	166	10.517	10.517	0.000	97	154902	20.0	20.2	
88 1,3-Dichloropropane	76	10.584	10.584	0.000	89	220479	20.0	20.2	
89 2-Hexanone	43	10.627	10.627	0.000	96	315168	40.0	41.1	
90 Chlorodibromomethane	129	10.803	10.803	0.000	89	144676	20.0	20.2	
91 Ethylene Dibromide	107	10.913	10.913	0.000	98	143823	20.0	20.3	
S 92 Xylenes, Total	106				0			61.0	
* 93 Chlorobenzene-d5 (IS)	117	11.339	11.339	0.000	85	914652	50.0	50.0	
94 1-Chlorohexane	91	11.345	11.345	0.000	96	234470	20.0	20.0	
95 Chlorobenzene	112	11.363	11.363	0.000	95	417552	20.0	20.3	
96 1,1,1,2-Tetrachloroethane	131	11.448	11.448	0.000	95	144577	20.0	20.3	
97 Ethylbenzene	91	11.448	11.448	0.000	98	747709	20.0	20.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
98 m-Xylene & p-Xylene	106	11.564	11.564	0.000	100	594118	40.0	40.5	
99 o-Xylene	106	11.892	11.892	0.000	95	291385	20.0	20.4	
100 Styrene	104	11.905	11.905	0.000	95	487820	20.0	20.4	
101 Bromoform	173	12.069	12.069	0.000	97	105170	20.0	20.6	
102 Isopropylbenzene	105	12.190	12.190	0.000	95	768691	20.0	20.7	
103 Cyclohexanone	55	12.263	12.263	0.000	91	155260	500.0	530.2	
\$ 104 4-Bromofluorobenzene (Surr)	95	12.336	12.336	0.000	88	458330	50.0	50.1	
105 1,1,2,2-Tetrachloroethane	83	12.434	12.434	0.000	93	213657	20.0	20.5	
106 Bromobenzene	156	12.452	12.452	0.000	95	169843	20.0	20.0	
107 trans-1,4-Dichloro-2-butene	53	12.458	12.458	0.000	90	349469	100.0	101.5	
108 1,2,3-Trichloropropane	110	12.482	12.482	0.000	85	64629	20.0	19.8	
109 N-Propylbenzene	91	12.519	12.519	0.000	99	904715	20.0	20.6	
110 2-Chlorotoluene	126	12.598	12.598	0.000	97	176825	20.0	20.0	
111 1,3,5-Trimethylbenzene	105	12.653	12.653	0.000	94	640878	20.0	20.5	
112 4-Chlorotoluene	126	12.689	12.689	0.000	97	180597	20.0	20.1	
113 tert-Butylbenzene	134	12.896	12.896	0.000	92	129174	20.0	19.9	
115 1,2,4-Trimethylbenzene	105	12.939	12.939	0.000	97	655423	20.0	20.5	
116 sec-Butylbenzene	105	13.060	13.060	0.000	94	791528	20.0	20.5	
117 1,3-Dichlorobenzene	146	13.164	13.164	0.000	97	335092	20.0	20.0	
118 4-Isopropyltoluene	119	13.170	13.170	0.000	97	688391	20.0	20.5	
* 119 1,4-Dichlorobenzene-d4	152	13.219	13.219	0.000	95	491723	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.237	13.237	0.000	95	338562	20.0	20.0	
121 1,2,3-Trimethylbenzene	105	13.243	13.243	0.000	98	656464	20.0	20.3	
122 Benzyl chloride	91	13.310	13.310	0.000	98	493430	20.0	20.6	
123 1,3-Diethylbenzene	119	13.365	13.365	0.000	95	413728	20.0	20.4	
124 p-Diethylbenzene	119	13.438	13.438	0.000	95	428637	20.0	20.2	
125 n-Butylbenzene	92	13.462	13.462	0.000	98	339834	20.0	20.3	
126 1,2-Dichlorobenzene	146	13.498	13.498	0.000	98	318062	20.0	20.1	
127 o-diethylbenzene	119	13.511	13.511	0.000	95	343132	20.0	20.3	
129 1,2-Dibromo-3-Chloropropane	75	14.040	14.040	0.000	87	53987	20.0	20.6	
130 1,3,5-Trichlorobenzene	180	14.168	14.168	0.000	97	219890	20.0	20.2	
131 1,2,4-Trichlorobenzene	180	14.593	14.593	0.000	94	195861	20.0	20.3	
132 Hexachlorobutadiene	225	14.673	14.673	0.000	98	76671	20.0	19.7	
133 Naphthalene	128	14.776	14.776	0.000	97	738238	20.0	20.5	
134 1,2,3-Trichlorobenzene	180	14.922	14.922	0.000	96	182452	20.0	20.1	
135 2-Methylnaphthalene	142	15.579	15.579	0.000	92	391902	20.0	20.4	
S 144 Total Diethylbenzene	1				0			60.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_V_ETOH_00012	Amount Added: 16.00	Units: uL	
MSV_VCYC_00006	Amount Added: 16.00	Units: uL	
MSV_CCV_2CEVE_00013	Amount Added: 4.00	Units: uL	
MSV_CCV_VOC#3_00013	Amount Added: 3.20	Units: uL	
MSV_V_VOA2_00099	Amount Added: 4.00	Units: uL	
MSV_CCV_VOC#1_00014	Amount Added: 4.00	Units: uL	
MSV_CCV_GASES_00053	Amount Added: 2.00	Units: uL	
MSV_Cent_ISSS_00001	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 10-Aug-2021 18:51:55

Chrom Revision: 2.3 03-Aug-2021 10:08:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X06.D

Injection Date: 10-Aug-2021 13:40:30

Instrument ID: 7159

Operator ID: jml01693

Lims ID: IC std4

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

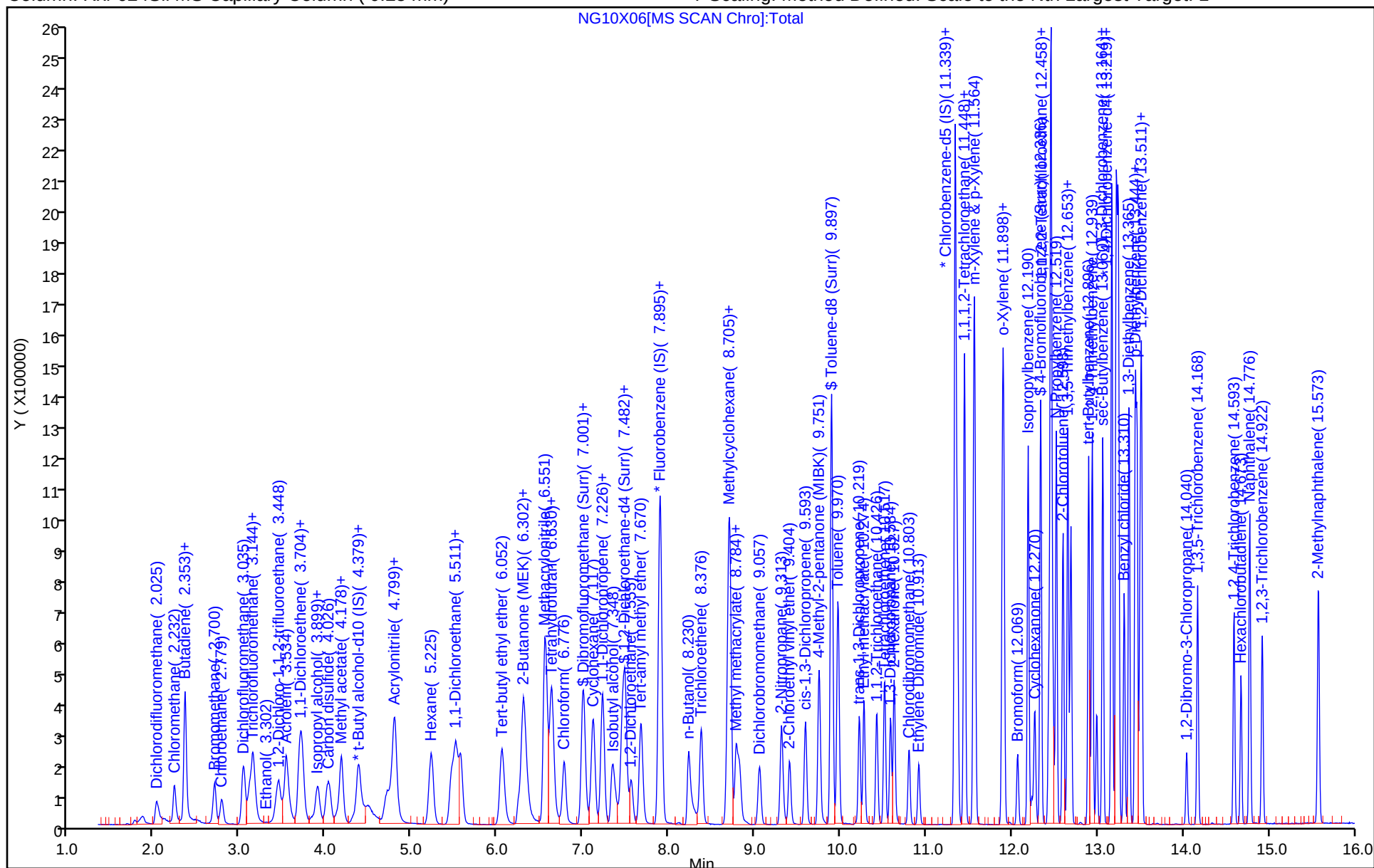
ALS Bottle#: 6

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X06.D

Injection Date: 10-Aug-2021 13:40:30

Instrument ID: 7159

Lims ID: IC std4

Client ID:

Operator ID: jml01693

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

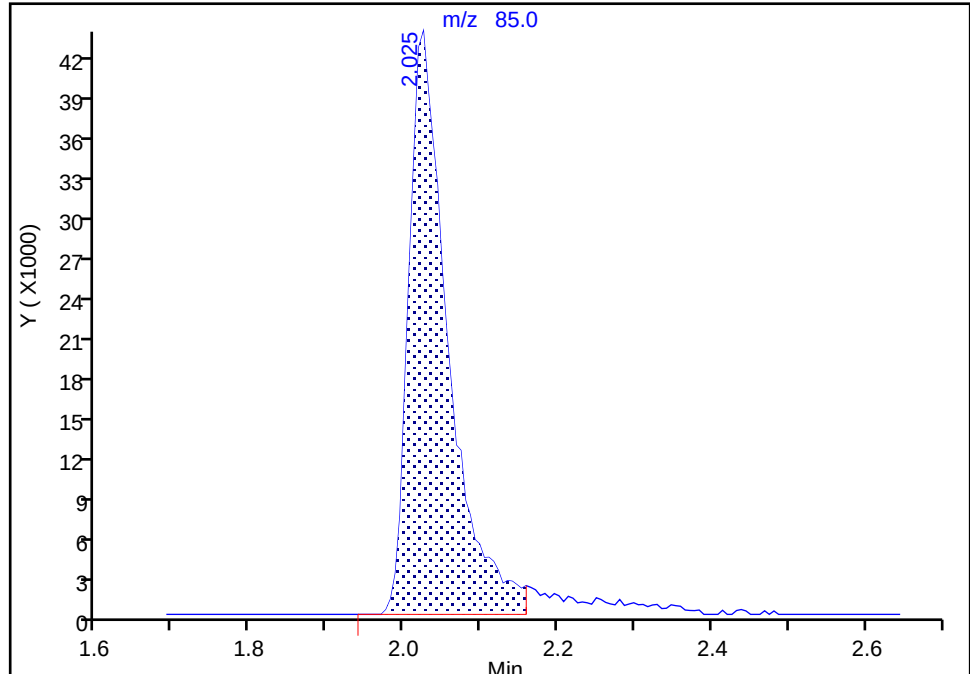
MS Quad

5 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

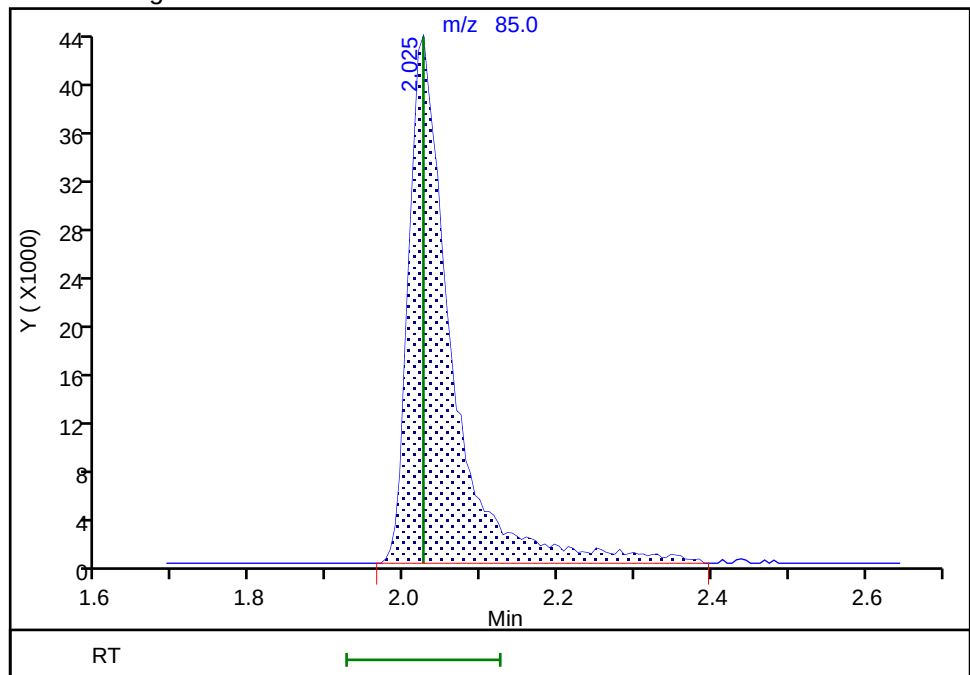
RT: 2.02
Area: 154948
Amount: 19.694315
Amount Units: ug/l

Processing Integration Results



RT: 2.02
Area: 167190
Amount: 21.223706
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:36:58

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X06.D

Injection Date: 10-Aug-2021 13:40:30

Instrument ID: 7159

Lims ID: IC std4

Client ID:

Operator ID: jml01693

ALS Bottle#:

6

Worklist Smp#: 6

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

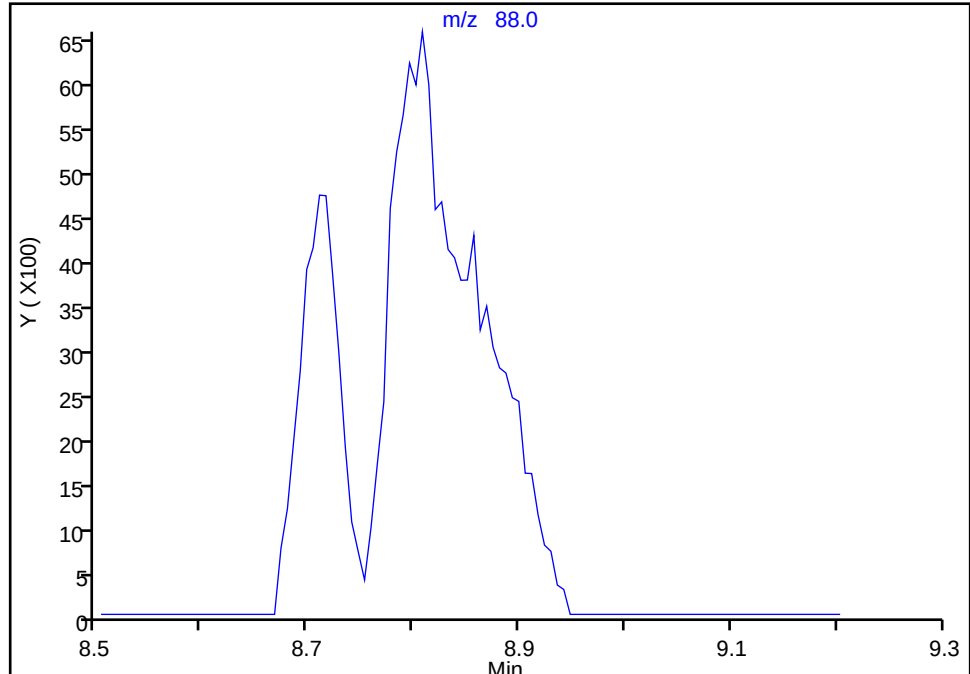
72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

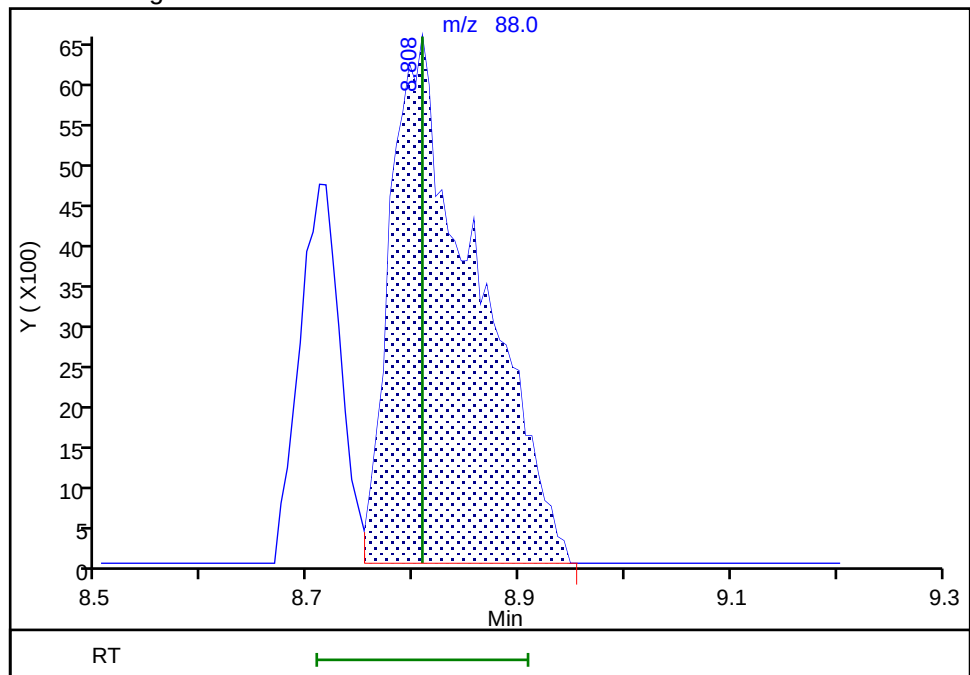
Not Detected

Expected RT: 8.81

Processing Integration Results



Manual Integration Results



Reviewer: longj, 10-Aug-2021 15:20:55

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X07.D
 Lims ID: IC std3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 10-Aug-2021 14:03:30 ALS Bottle#: 7 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0036390-007
 Misc. Info.: ICAL
 Operator ID: jml01693 Instrument ID: 7159
 Sublist: chrom-MSVoa_7159*sub19
 Method: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Aug-2021 18:52:01 Calib Date: 10-Aug-2021 14:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1630

First Level Reviewer: longj

Date: 10-Aug-2021 15:22:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.019	2.025	-0.006	98	78819	10.0	10.1	
6 Chloromethane	50	2.219	2.232	-0.013	99	90276	10.0	10.7	
8 Vinyl chloride	62	2.347	2.353	-0.006	88	92141	10.0	10.5	
9 Butadiene	39	2.347	2.353	-0.006	90	83245	10.0	10.1	
10 Bromomethane	94	2.688	2.700	-0.012	89	64401	10.0	10.4	
11 Chloroethane	64	2.773	2.779	-0.006	100	54253	10.0	10.5	
12 Dichlorofluoromethane	67	3.029	3.035	-0.007	97	123509	10.0	10.5	
13 Trichlorofluoromethane	101	3.095	3.102	-0.007	96	112746	10.0	10.3	
15 Pentane	43	3.144	3.144	0.000	98	125254	10.0	9.93	
16 Ethanol	45	3.223	3.223	0.000	83	39371	500.0	489.9	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.436	3.448	-0.012	91	81728	10.0	10.4	
18 Acrolein	56	3.527	3.534	-0.007	99	225833	100.0	100.6	
20 1,1-Dichloroethene	96	3.686	3.692	-0.006	98	62706	10.0	10.1	
21 Acetone	58	3.710	3.704	0.006	66	20492	20.0	21.9	
22 112TCTFE	101	3.710	3.722	-0.012	93	63501	10.0	9.83	
23 Isopropyl alcohol	45	3.844	3.850	-0.006	99	65926	100.0	101.6	
24 Iodomethane	142	3.892	3.899	-0.007	97	111057	10.0	10.0	M
25 Carbon disulfide	76	4.014	4.026	-0.012	99	213619	10.0	10.2	
26 Methyl acetate	43	4.142	4.142	0.000	95	68382	10.0	10.1	M
27 3-Chloro-1-propene	41	4.172	4.178	-0.006	94	109010	10.0	10.3	
* 29 t-Butyl alcohol-d10 (IS)	65	4.373	4.373	0.000	94	302210	250.0	250.0	
28 Methylene Chloride	84	4.373	4.379	-0.006	92	69382	10.0	10.1	
31 2-Methyl-2-propanol	59	4.495	4.489	0.006	100	141399	100.0	110.9	
32 Acrylonitrile	53	4.701	4.714	-0.013	99	87470	25.0	25.2	
33 Methyl tert-butyl ether	73	4.781	4.787	-0.006	94	205934	10.0	10.2	
34 trans-1,2-Dichloroethene	96	4.799	4.805	-0.006	99	69726	10.0	10.2	
36 Hexane	57	5.225	5.225	0.000	92	107687	10.0	9.69	
37 1,1-Dichloroethane	63	5.456	5.456	0.000	96	117243	10.0	10.1	
39 Isopropyl ether	45	5.511	5.511	0.000	94	211366	10.0	10.2	
40 2-Chloro-1,3-butadiene	53	5.565	5.572	-0.007	90	103523	10.0	10.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.046	6.052	-0.006	97	204844	10.0	10.1	
S 42 1,2-Dichloroethene, Total	100				0			20.3	
43 2-Butanone (MEK)	43	6.253	6.247	0.006	99	103343	20.0	20.5	
44 cis-1,2-Dichloroethene	96	6.295	6.295	0.000	81	76835	10.0	10.1	
45 2,2-Dichloropropane	77	6.308	6.314	-0.006	90	103526	10.0	9.97	
46 Propionitrile	54	6.326	6.332	-0.006	100	159313	100.0	103.2	
47 Methacrylonitrile	67	6.551	6.551	0.000	91	207347	50.0	52.2	
48 Chlorobromomethane	128	6.624	6.630	-0.006	65	36049	10.0	10.3	
49 Tetrahydrofuran	71	6.630	6.636	-0.006	89	73288	50.0	47.0	
50 Chloroform	83	6.770	6.776	-0.006	93	117265	10.0	10.1	
\$ 51 Dibromofluoromethane (Surr)	113	6.995	6.995	0.000	93	263281	50.0	49.9	
52 1,1,1-Trichloroethane	97	7.007	7.007	0.000	97	109594	10.0	10.2	
54 Cyclohexane	56	7.105	7.111	-0.007	89	127409	10.0	9.75	
56 1,1-Dichloropropene	75	7.214	7.226	-0.012	95	94588	10.0	10.0	
55 Carbon tetrachloride	117	7.226	7.226	0.000	89	90002	10.0	10.0	
58 Isobutyl alcohol	41	7.336	7.348	-0.012	94	120513	250.0	281.9	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.445	7.457	-0.012	86	70107	50.0	51.1	
60 Benzene	78	7.488	7.488	0.000	97	291471	10.0	10.3	
61 1,2-Dichloroethane	62	7.555	7.555	0.000	97	84770	10.0	9.86	
62 Tert-amyl methyl ether	73	7.670	7.670	0.000	98	208910	10.0	10.4	
* 64 Fluorobenzene (IS)	96	7.889	7.895	-0.006	99	1097171	50.0	50.0	
65 n-Heptane	43	7.901	7.902	-0.001	87	96495	10.0	9.30	
66 n-Butanol	56	8.230	8.230	0.000	86	153223	375.0	423.2	
67 Trichloroethene	95	8.376	8.376	0.000	99	74461	10.0	10.2	
68 Methylcyclohexane	83	8.686	8.692	-0.006	94	138655	10.0	9.87	
69 2-ethoxy-2-methyl butane	87	8.711	8.711	0.000	90	111297	10.0	10.1	
70 1,2-Dichloropropane	63	8.711	8.711	0.000	68	72325	10.0	10.2	
71 Methyl methacrylate	69	8.784	8.784	0.000	90	65739	10.0	9.88	
72 1,4-Dioxane	88	8.796	8.808	-0.012	37	18043	250.0	243.5	M
74 Dibromomethane	93	8.820	8.820	0.000	98	43063	10.0	10.1	
75 Dichlorobromomethane	83	9.051	9.057	-0.006	99	88900	10.0	10.1	
77 2-Nitropropane	41	9.313	9.313	0.000	98	131457	50.0	46.8	
78 2-Chloroethyl vinyl ether	63	9.404	9.404	0.000	91	54586	10.0	10.1	
79 cis-1,3-Dichloropropene	75	9.587	9.593	-0.006	96	116619	10.0	10.0	
80 4-Methyl-2-pentanone (MIBK)	43	9.751	9.751	0.000	96	217786	20.0	21.9	
\$ 81 Toluene-d8 (Surr)	98	9.897	9.897	0.000	93	1129319	50.0	50.8	
82 Toluene	92	9.970	9.970	0.000	98	190335	10.0	10.3	
S 83 1,3-Dichloropropene, Total	100				0			20.0	
84 trans-1,3-Dichloropropene	75	10.219	10.219	0.000	92	105490	10.0	10.0	
85 Ethyl methacrylate	69	10.274	10.274	0.000	89	110220	10.0	10.0	
86 1,1,2-Trichloroethane	97	10.420	10.426	-0.006	90	64192	10.0	10.1	
87 Tetrachloroethene	166	10.517	10.517	0.000	97	76059	10.0	10.2	
88 1,3-Dichloropropane	76	10.584	10.584	0.000	90	108443	10.0	10.2	
89 2-Hexanone	43	10.627	10.627	0.000	95	164202	20.0	21.9	
90 Chlorodibromomethane	129	10.797	10.803	-0.006	90	70474	10.0	10.1	
91 Ethylene Dibromide	107	10.913	10.913	0.000	98	69813	10.0	10.1	
S 92 Xylenes, Total	106				0			30.7	
* 93 Chlorobenzene-d5 (IS)	117	11.339	11.339	0.000	86	892565	50.0	50.0	
94 1-Chlorohexane	91	11.345	11.345	0.000	96	113765	10.0	9.94	
95 Chlorobenzene	112	11.363	11.363	0.000	95	205202	10.0	10.2	
96 1,1,1,2-Tetrachloroethane	131	11.448	11.448	0.000	95	69932	10.0	10.1	
97 Ethylbenzene	91	11.448	11.448	0.000	98	373610	10.0	10.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
98 m-Xylene & p-Xylene	106	11.564	11.564	0.000	100	291756	20.0	20.4	
99 o-Xylene	106	11.892	11.892	0.000	95	143702	10.0	10.3	
100 Styrene	104	11.904	11.905	0.000	94	236225	10.0	10.1	
101 Bromoform	173	12.069	12.069	0.000	96	49907	10.0	10.0	
102 Isopropylbenzene	105	12.190	12.190	0.000	95	374219	10.0	10.3	
103 Cyclohexanone	55	12.263	12.263	0.000	91	72100	250.0	233.4	
\$ 104 4-Bromofluorobenzene (Surr)	95	12.336	12.336	0.000	88	449587	50.0	50.3	
105 1,1,2,2-Tetrachloroethane	83	12.434	12.434	0.000	93	106285	10.0	10.3	
106 Bromobenzene	156	12.452	12.452	0.000	73	84159	10.0	10.0	
107 trans-1,4-Dichloro-2-butene	53	12.458	12.458	0.000	93	181424	50.0	53.1	
108 1,2,3-Trichloropropane	110	12.476	12.482	-0.006	81	33220	10.0	10.2	
109 N-Propylbenzene	91	12.519	12.519	0.000	99	442329	10.0	10.2	
110 2-Chlorotoluene	126	12.598	12.598	0.000	97	88388	10.0	10.1	
111 1,3,5-Trimethylbenzene	105	12.653	12.653	0.000	93	316246	10.0	10.2	
112 4-Chlorotoluene	126	12.689	12.689	0.000	97	89015	10.0	10.0	
113 tert-Butylbenzene	134	12.896	12.896	0.000	92	63520	10.0	9.87	
115 1,2,4-Trimethylbenzene	105	12.939	12.939	0.000	97	319372	10.0	10.1	
116 sec-Butylbenzene	105	13.060	13.060	0.000	94	390006	10.0	10.2	
117 1,3-Dichlorobenzene	146	13.164	13.164	0.000	97	166569	10.0	10.0	
118 4-Isopropyltoluene	119	13.170	13.170	0.000	97	335124	10.0	10.0	
* 119 1,4-Dichlorobenzene-d4	152	13.218	13.219	-0.001	95	487950	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.237	13.237	0.000	95	166973	10.0	9.92	
121 1,2,3-Trimethylbenzene	105	13.243	13.243	0.000	98	321408	10.0	10.0	
122 Benzyl chloride	91	13.310	13.310	0.000	98	240651	10.0	10.1	
123 1,3-Diethylbenzene	119	13.365	13.365	-0.001	95	205182	10.0	10.2	
124 p-Diethylbenzene	119	13.438	13.438	0.000	96	211691	10.0	10.0	
125 n-Butylbenzene	92	13.462	13.462	0.000	98	169676	10.0	10.2	
126 1,2-Dichlorobenzene	146	13.498	13.498	0.000	98	155704	10.0	9.92	
127 o-diethylbenzene	119	13.511	13.511	-0.001	96	169913	10.0	10.1	
129 1,2-Dibromo-3-Chloropropane	75	14.040	14.040	0.000	86	27188	10.0	10.5	
130 1,3,5-Trichlorobenzene	180	14.168	14.168	0.000	98	107589	10.0	9.98	
131 1,2,4-Trichlorobenzene	180	14.593	14.593	0.000	94	94116	10.0	9.85	
132 Hexachlorobutadiene	225	14.672	14.673	-0.001	98	38189	10.0	9.89	
133 Naphthalene	128	14.776	14.776	0.000	97	363297	10.0	10.2	
134 1,2,3-Trichlorobenzene	180	14.922	14.922	0.000	96	90011	10.0	9.99	
135 2-Methylnaphthalene	142	15.573	15.579	-0.006	92	186379	10.0	9.78	
S 144 Total Diethylbenzene	1				0			30.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_V_ETOH_00012	Amount Added: 8.00	Units: uL	
MSV_VCYC_00006	Amount Added: 8.00	Units: uL	
MSV_CCV_2CEVE_00013	Amount Added: 2.00	Units: uL	
MSV_CCV_VOC#3_00013	Amount Added: 1.60	Units: uL	
MSV_V_VOA2_00099	Amount Added: 2.00	Units: uL	
MSV_CCV_VOC#1_00014	Amount Added: 2.00	Units: uL	
MSV_CCV_GASES_00053	Amount Added: 1.00	Units: uL	
MSV_Cent_ISSS_00001	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 10-Aug-2021 18:52:01

Chrom Revision: 2.3 03-Aug-2021 10:08:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X07.D

Injection Date: 10-Aug-2021 14:03:30

Instrument ID: 7159

Operator ID: jml01693

Lims ID: IC std3

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

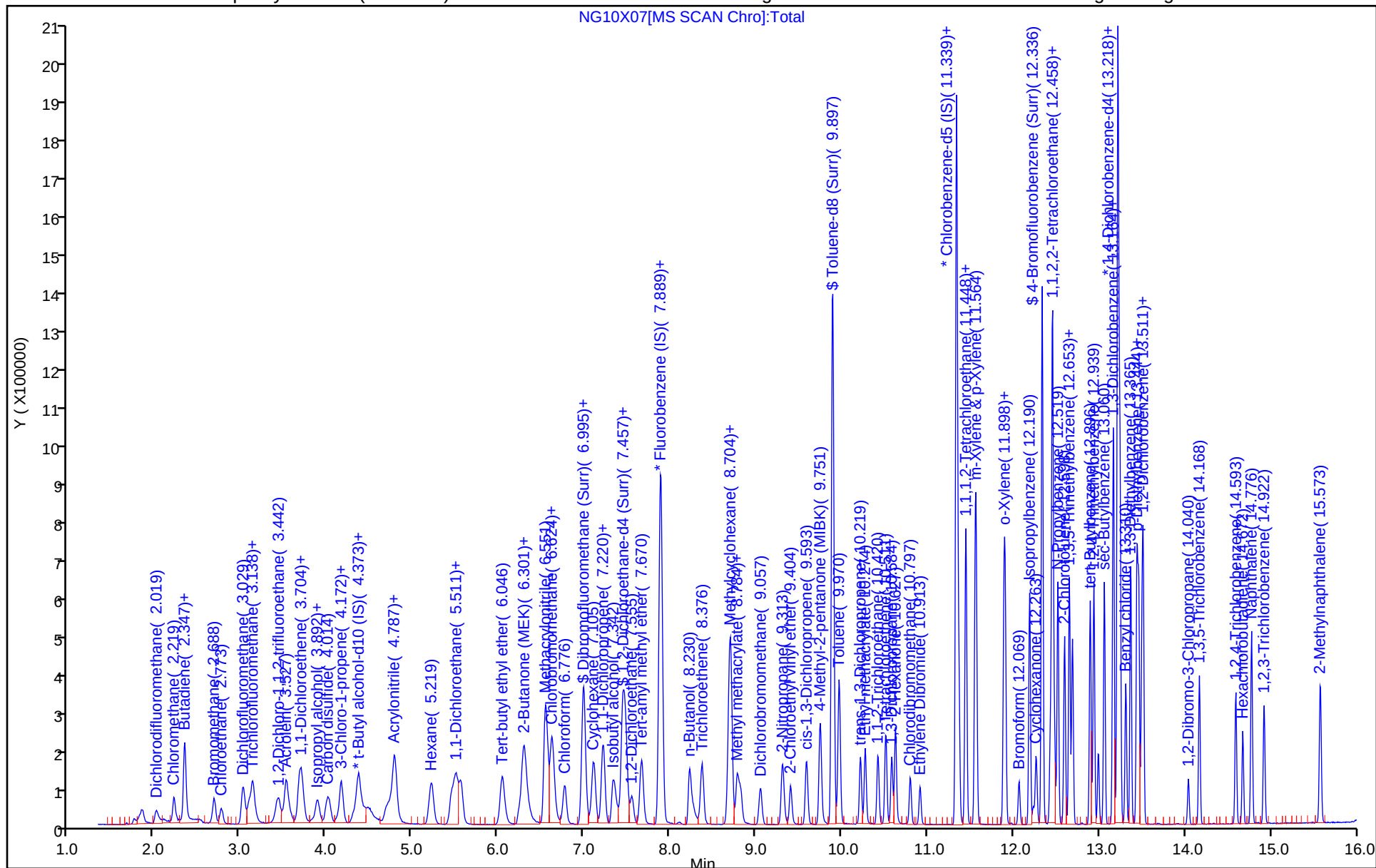
ALS Bottle#: 7

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X07.D

Injection Date: 10-Aug-2021 14:03:30

Instrument ID: 7159

Lims ID: IC std3

Client ID:

Operator ID: jml01693

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

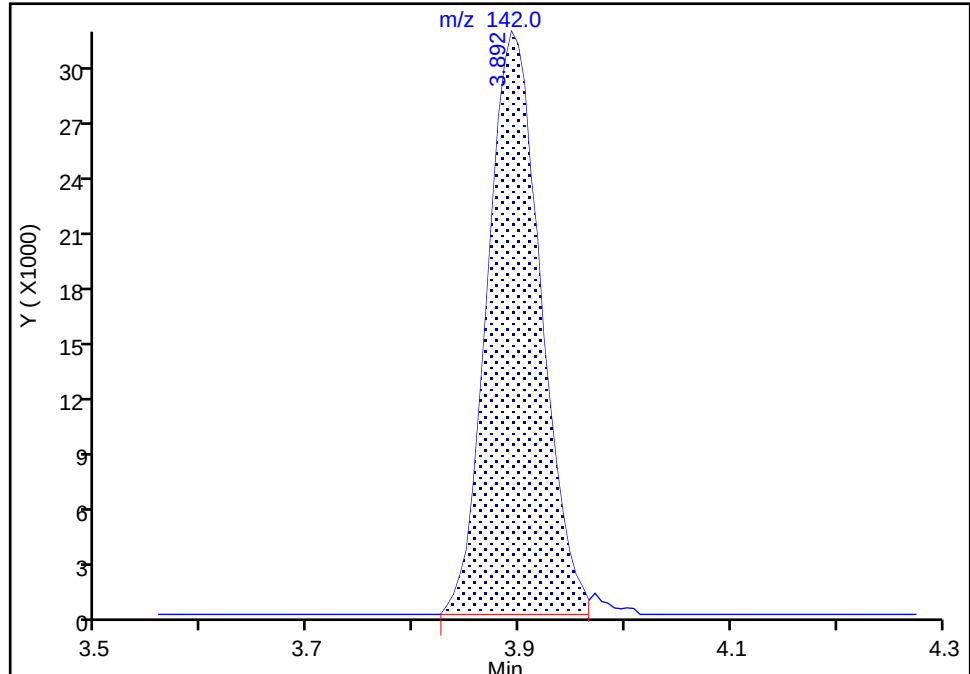
MS Quad

24 Iodomethane, CAS: 74-88-4

Signal: 1

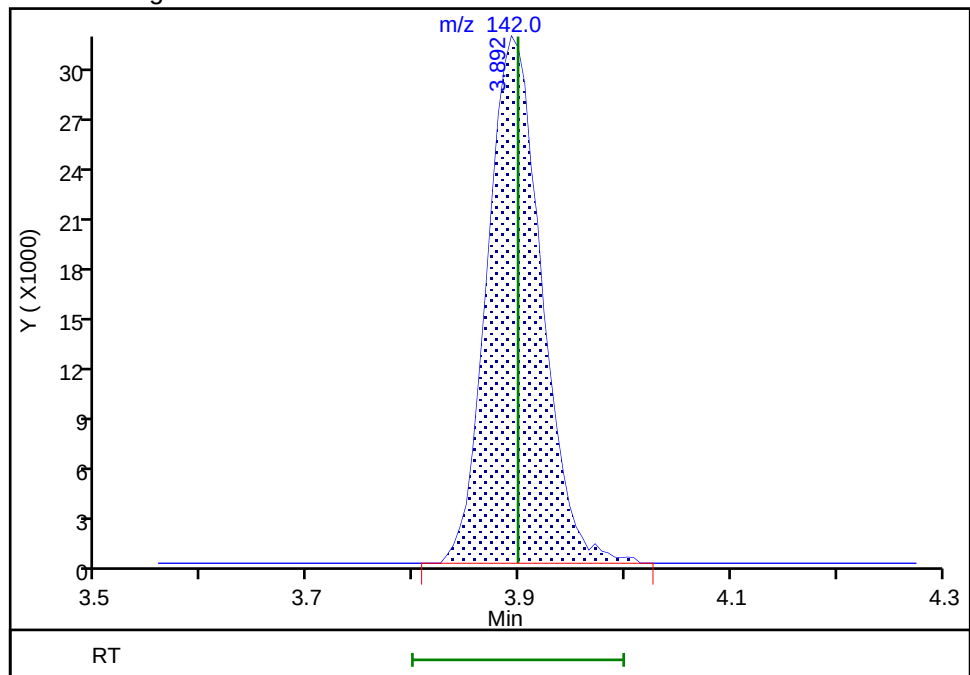
RT: 3.89
Area: 109694
Amount: 9.919559
Amount Units: ug/l

Processing Integration Results



RT: 3.89
Area: 111057
Amount: 10.034142
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:37:57

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X07.D

Injection Date: 10-Aug-2021 14:03:30

Instrument ID: 7159

Lims ID: IC std3

Client ID:

Operator ID: jml01693

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

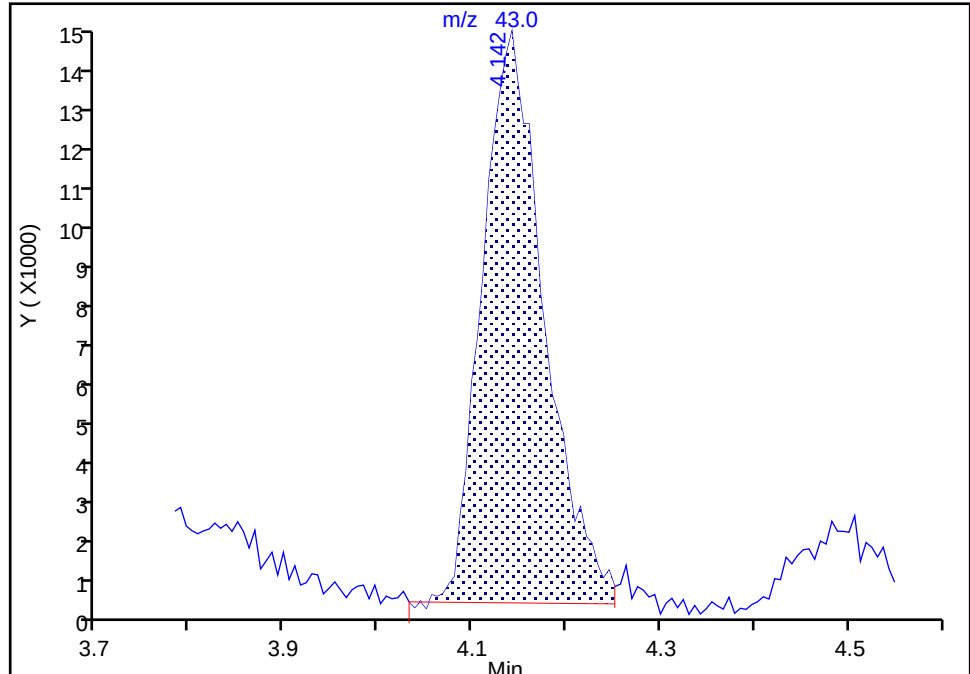
MS Quad

26 Methyl acetate, CAS: 79-20-9

Signal: 1

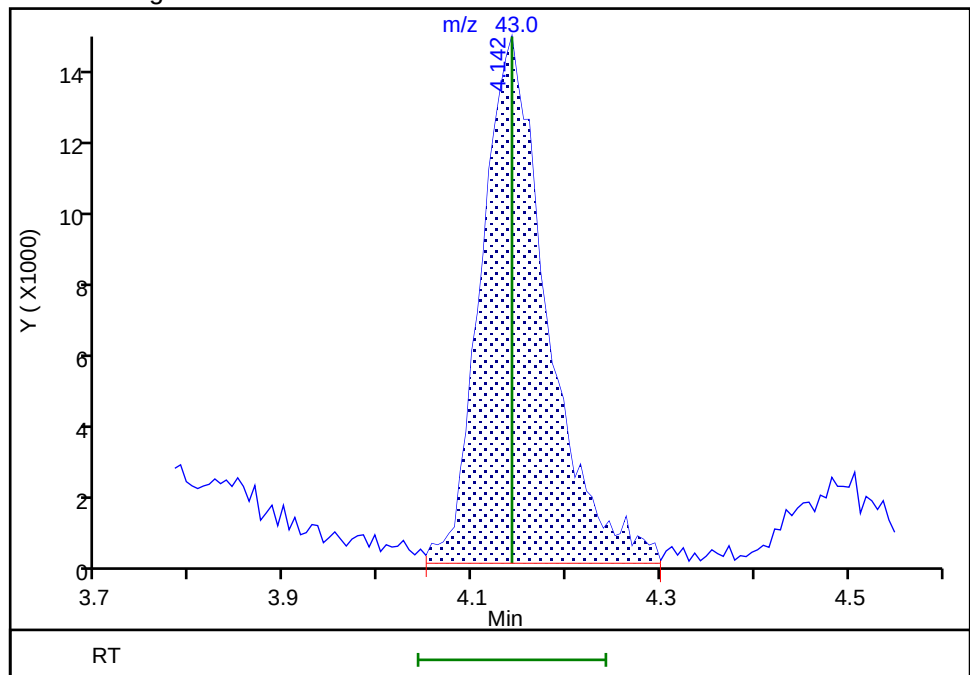
RT: 4.14
Area: 62494
Amount: 9.664669
Amount Units: ug/l

Processing Integration Results



RT: 4.14
Area: 68382
Amount: 10.101577
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:38:08

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X07.D

Injection Date: 10-Aug-2021 14:03:30

Instrument ID: 7159

Lims ID: IC std3

Client ID:

Operator ID: jml01693

ALS Bottle#:

7

Worklist Smp#: 7

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

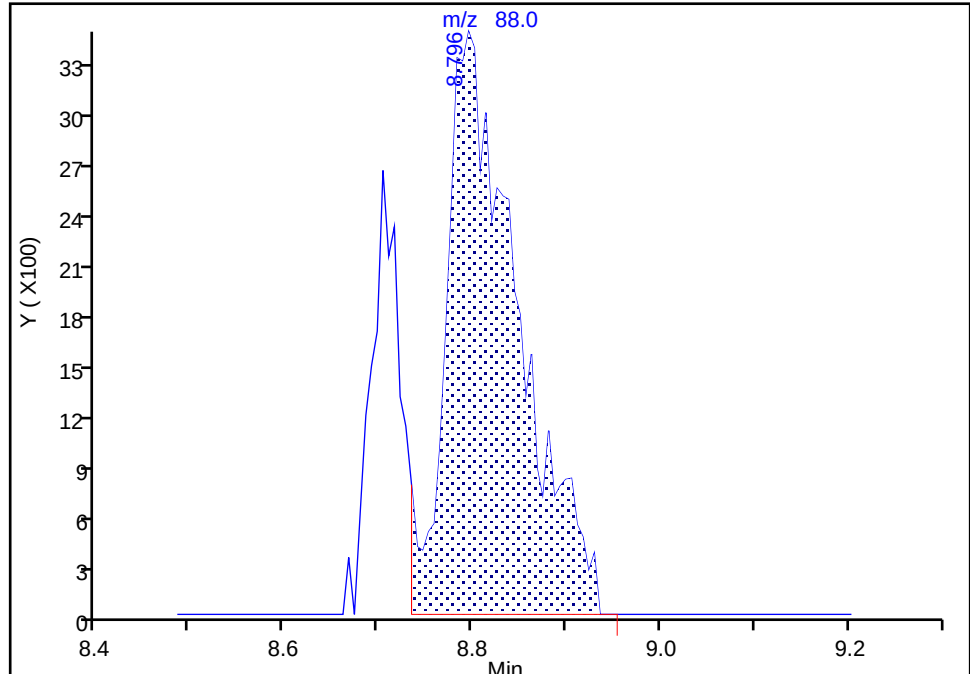
MS Quad

[72 1,4-Dioxane, CAS: 123-91-1](#)

Signal: 1

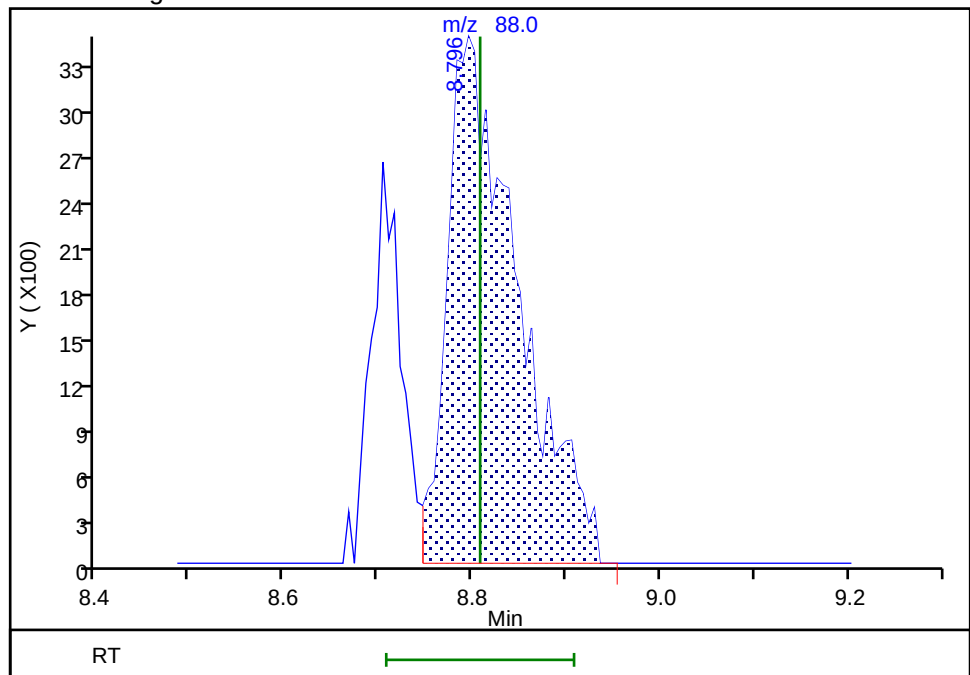
RT: 8.80
Area: 18473
Amount: 241.6333
Amount Units: ug/l

Processing Integration Results



RT: 8.80
Area: 18043
Amount: 243.4543
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 10-Aug-2021 15:21:49

Audit Action: Split an Integrated Peak

Audit Reason: Split Peak

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X08.D
 Lims ID: IC std2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 10-Aug-2021 14:26:30 ALS Bottle#: 8 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0036390-008
 Misc. Info.: ICAL
 Operator ID: jml01693 Instrument ID: 7159
 Sublist: chrom-MSVoa_7159*sub19
 Method: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Aug-2021 18:52:07 Calib Date: 10-Aug-2021 14:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1630

First Level Reviewer: longj

Date: 10-Aug-2021 15:03:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.012	2.025	-0.013	98	34844	4.00	4.44	
6 Chloromethane	50	2.219	2.232	-0.013	99	38044	4.00	4.46	
8 Vinyl chloride	62	2.347	2.353	-0.006	89	39206	4.00	4.41	
9 Butadiene	39	2.341	2.353	-0.012	90	36282	4.00	4.38	M
10 Bromomethane	94	2.688	2.700	-0.012	91	27353	4.00	4.39	
11 Chloroethane	64	2.773	2.779	-0.006	98	22570	4.00	4.34	
12 Dichlorofluoromethane	67	3.022	3.035	-0.013	97	52356	4.00	4.43	
13 Trichlorofluoromethane	101	3.095	3.102	-0.007	97	49279	4.00	4.46	
15 Pentane	43	3.138	3.144	-0.006	95	53696	4.00	4.22	
16 Ethanol	45	3.235	3.223	0.012	88	18350	250.0	233.3	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.430	3.448	-0.018	91	34834	4.00	4.40	
18 Acrolein	56	3.533	3.534	-0.001	99	84446	40.0	38.4	
20 1,1-Dichloroethene	96	3.679	3.692	-0.013	97	27428	4.00	4.40	
21 Acetone	58	3.704	3.704	0.000	54	7425	8.00	8.11	
22 112TCTFE	101	3.704	3.722	-0.018	88	27719	4.00	4.26	
23 Isopropyl alcohol	45	3.825	3.850	-0.025	98	48560	80.0	76.4	
24 Iodomethane	142	3.898	3.899	-0.001	97	46799	4.00	4.20	
25 Carbon disulfide	76	4.020	4.026	-0.006	99	92179	4.00	4.35	
26 Methyl acetate	43	4.142	4.142	0.000	97	26863	4.00	3.94	
27 3-Chloro-1-propene	41	4.166	4.178	-0.012	93	47132	4.00	4.40	
* 29 t-Butyl alcohol-d10 (IS)	65	4.355	4.373	-0.018	71	295826	250.0	250.0	
28 Methylene Chloride	84	4.367	4.379	-0.012	74	28747	4.00	4.15	
31 2-Methyl-2-propanol	59	4.488	4.489	-0.001	99	97754	80.0	78.3	M
32 Acrylonitrile	53	4.714	4.714	0.000	94	36281	10.0	10.4	
33 Methyl tert-butyl ether	73	4.774	4.787	-0.013	94	84142	4.00	4.13	
34 trans-1,2-Dichloroethene	96	4.793	4.805	-0.012	99	29605	4.00	4.30	
36 Hexane	57	5.218	5.225	-0.007	91	47620	4.00	4.25	
37 1,1-Dichloroethane	63	5.456	5.456	0.000	96	50192	4.00	4.29	
39 Isopropyl ether	45	5.504	5.511	-0.007	95	88671	4.00	4.23	
40 2-Chloro-1,3-butadiene	53	5.565	5.572	-0.007	89	44035	4.00	4.24	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.040	6.052	-0.012	98	86815	4.00	4.26	
S 42 1,2-Dichloroethene, Total	100				0			8.40	
43 2-Butanone (MEK)	43	6.259	6.247	0.012	99	41229	8.00	8.10	
44 cis-1,2-Dichloroethene	96	6.295	6.295	0.000	82	31322	4.00	4.10	
45 2,2-Dichloropropane	77	6.301	6.314	-0.013	86	44848	4.00	4.29	
46 Propionitrile	54	6.332	6.332	0.000	99	122701	80.0	81.2	
47 Methacrylonitrile	67	6.551	6.551	0.000	90	165268	40.0	41.3	
48 Chlorobromomethane	128	6.624	6.630	-0.006	63	15013	4.00	4.24	
49 Tetrahydrofuran	71	6.630	6.636	-0.006	82	30137	20.0	19.7	
50 Chloroform	83	6.776	6.776	0.000	93	49390	4.00	4.22	
\$ 51 Dibromofluoromethane (Surr)	113	6.989	6.995	-0.006	93	268512	50.0	50.5	
52 1,1,1-Trichloroethane	97	7.001	7.007	-0.006	41	46691	4.00	4.33	
54 Cyclohexane	56	7.110	7.111	-0.001	88	55596	4.00	4.22	
56 1,1-Dichloropropene	75	7.220	7.226	-0.006	94	40946	4.00	4.30	
55 Carbon tetrachloride	117	7.226	7.226	0.000	91	37602	4.00	4.15	
58 Isobutyl alcohol	41	7.342	7.348	-0.006	94	77812	200.0	185.9	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.445	7.457	-0.012	82	69145	50.0	50.0	
60 Benzene	78	7.488	7.488	0.000	96	121255	4.00	4.24	
61 1,2-Dichloroethane	62	7.555	7.555	0.000	97	36079	4.00	4.17	
62 Tert-amyl methyl ether	73	7.670	7.670	0.000	98	84704	4.00	4.18	
* 64 Fluorobenzene (IS)	96	7.889	7.895	-0.006	99	1105720	50.0	50.0	
65 n-Heptane	43	7.901	7.902	-0.001	91	46381	4.00	4.44	
66 n-Butanol	56	8.230	8.230	0.000	87	117039	350.0	330.2	
67 Trichloroethene	95	8.370	8.376	-0.006	98	31910	4.00	4.34	
68 Methylcyclohexane	83	8.686	8.692	-0.006	93	59504	4.00	4.20	
69 2-ethoxy-2-methyl butane	87	8.710	8.711	-0.001	93	44894	4.00	4.03	
70 1,2-Dichloropropane	63	8.710	8.711	-0.001	71	29557	4.00	4.15	
71 Methyl methacrylate	69	8.783	8.784	-0.001	89	27888	4.00	4.16	
72 1,4-Dioxane	88	8.790	8.808	-0.018	46	12882	200.0	177.6	
74 Dibromomethane	93	8.820	8.820	0.000	97	17592	4.00	4.09	
75 Dichlorobromomethane	83	9.057	9.057	0.000	99	36378	4.00	4.10	
77 2-Nitropropane	41	9.313	9.313	0.000	98	53297	20.0	19.4	
78 2-Chloroethyl vinyl ether	63	9.404	9.404	0.000	92	22055	4.00	4.07	
79 cis-1,3-Dichloropropene	75	9.593	9.593	0.000	96	46995	4.00	4.01	
80 4-Methyl-2-pentanone (MIBK)	43	9.751	9.751	0.000	96	81602	8.00	8.13	
\$ 81 Toluene-d8 (Surr)	98	9.897	9.897	0.000	93	1135871	50.0	50.0	
82 Toluene	92	9.970	9.970	0.000	98	80669	4.00	4.27	
S 83 1,3-Dichloropropene, Total	100				0			8.07	
84 trans-1,3-Dichloropropene	75	10.219	10.219	0.000	92	43741	4.00	4.07	
85 Ethyl methacrylate	69	10.274	10.274	0.000	89	45287	4.00	4.02	
86 1,1,2-Trichloroethane	97	10.426	10.426	0.000	90	26770	4.00	4.11	
87 Tetrachloroethene	166	10.511	10.517	-0.006	96	31504	4.00	4.12	
88 1,3-Dichloropropane	76	10.584	10.584	0.000	90	44735	4.00	4.11	
89 2-Hexanone	43	10.627	10.627	0.000	95	60818	8.00	7.95	
90 Chlorodibromomethane	129	10.803	10.803	0.000	90	29233	4.00	4.10	
91 Ethylene Dibromide	107	10.913	10.913	0.000	96	29219	4.00	4.14	
S 92 Xylenes, Total	106				0			12.7	
* 93 Chlorobenzene-d5 (IS)	117	11.339	11.339	0.000	85	911950	50.0	50.0	
94 1-Chlorohexane	91	11.345	11.345	0.000	97	49716	4.00	4.25	
95 Chlorobenzene	112	11.363	11.363	0.000	95	86454	4.00	4.21	
96 1,1,1,2-Tetrachloroethane	131	11.448	11.448	0.000	95	29269	4.00	4.12	
97 Ethylbenzene	91	11.448	11.448	0.000	98	156658	4.00	4.26	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
98 m-Xylene & p-Xylene	106	11.564	11.564	0.000	100	123977	8.00	8.48	
99 o-Xylene	106	11.892	11.892	0.000	96	59597	4.00	4.19	
100 Styrene	104	11.904	11.905	0.000	94	99849	4.00	4.18	
101 Bromoform	173	12.069	12.069	0.000	96	20344	4.00	3.99	
102 Isopropylbenzene	105	12.190	12.190	0.000	95	159134	4.00	4.29	
103 Cyclohexanone	55	12.263	12.263	0.000	91	53480	200.0	176.8	
\$ 104 4-Bromofluorobenzene (Surr)	95	12.336	12.336	0.000	88	459766	50.0	50.4	
105 1,1,2,2-Tetrachloroethane	83	12.434	12.434	0.000	92	43077	4.00	4.15	
106 Bromobenzene	156	12.458	12.452	0.006	59	34856	4.00	4.13	
107 trans-1,4-Dichloro-2-butene	53	12.458	12.458	0.000	92	137631	40.0	40.2	
108 1,2,3-Trichloropropane	110	12.482	12.482	0.000	82	14021	4.00	4.31	
109 N-Propylbenzene	91	12.519	12.519	0.000	99	191009	4.00	4.38	
110 2-Chlorotoluene	126	12.598	12.598	0.000	97	37805	4.00	4.30	
111 1,3,5-Trimethylbenzene	105	12.653	12.653	0.000	94	134361	4.00	4.31	
112 4-Chlorotoluene	126	12.689	12.689	0.000	97	37204	4.00	4.17	
113 tert-Butylbenzene	134	12.896	12.896	0.000	92	27325	4.00	4.24	
115 1,2,4-Trimethylbenzene	105	12.939	12.939	0.000	97	134662	4.00	4.25	
116 sec-Butylbenzene	105	13.060	13.060	0.000	94	164185	4.00	4.29	
117 1,3-Dichlorobenzene	146	13.164	13.164	0.000	96	69862	4.00	4.20	
118 4-Isopropyltoluene	119	13.170	13.170	0.000	97	141429	4.00	4.23	
* 119 1,4-Dichlorobenzene-d4	152	13.218	13.219	-0.001	95	488938	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.237	13.237	0.000	95	70626	4.00	4.19	
121 1,2,3-Trimethylbenzene	105	13.243	13.243	0.000	97	134655	4.00	4.20	
122 Benzyl chloride	91	13.310	13.310	0.000	98	95701	4.00	4.02	
123 1,3-Diethylbenzene	119	13.370	13.365	0.005	95	84707	4.00	4.19	
124 p-Diethylbenzene	119	13.437	13.438	-0.001	95	88698	4.00	4.20	
125 n-Butylbenzene	92	13.462	13.462	0.000	97	70070	4.00	4.21	
126 1,2-Dichlorobenzene	146	13.498	13.498	0.000	98	66149	4.00	4.21	
127 o-diethylbenzene	119	13.516	13.511	0.005	95	68761	4.00	4.09	
129 1,2-Dibromo-3-Chloropropane	75	14.040	14.040	0.000	84	10574	4.00	4.06	
130 1,3,5-Trichlorobenzene	180	14.167	14.168	-0.001	97	45283	4.00	4.19	
131 1,2,4-Trichlorobenzene	180	14.593	14.593	0.000	94	39447	4.00	4.12	
132 Hexachlorobutadiene	225	14.672	14.673	-0.001	96	15875	4.00	4.10	
133 Naphthalene	128	14.776	14.776	0.000	97	149204	4.00	4.16	
134 1,2,3-Trichlorobenzene	180	14.922	14.922	0.000	96	37719	4.00	4.18	
135 2-Methylnaphthalene	142	15.579	15.579	0.000	92	78233	4.00	4.10	
S 144 Total Diethylbenzene	1				0			12.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_VCYC_00006	Amount Added: 32.00	Units: uL	
MSV_V_ETOH_00012	Amount Added: 20.00	Units: uL	
MSV_CCV_2CEVE_00013	Amount Added: 4.00	Units: uL	
MSV_CCV_VOC#3_00013	Amount Added: 3.20	Units: uL	
MSV_V_VOA2_00099	Amount Added: 12.00	Units: uL	
MSV_CCV_VOC#1_00014	Amount Added: 4.00	Units: uL	
MSV_CCV_GASES_00053	Amount Added: 2.00	Units: uL	
MSV_Cent_ISSS_00001	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 10-Aug-2021 18:52:08

Chrom Revision: 2.3 03-Aug-2021 10:08:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X08.D

Injection Date: 10-Aug-2021 14:26:30

Instrument ID: 7159

Operator ID: jml01693

Lims ID: IC std2

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

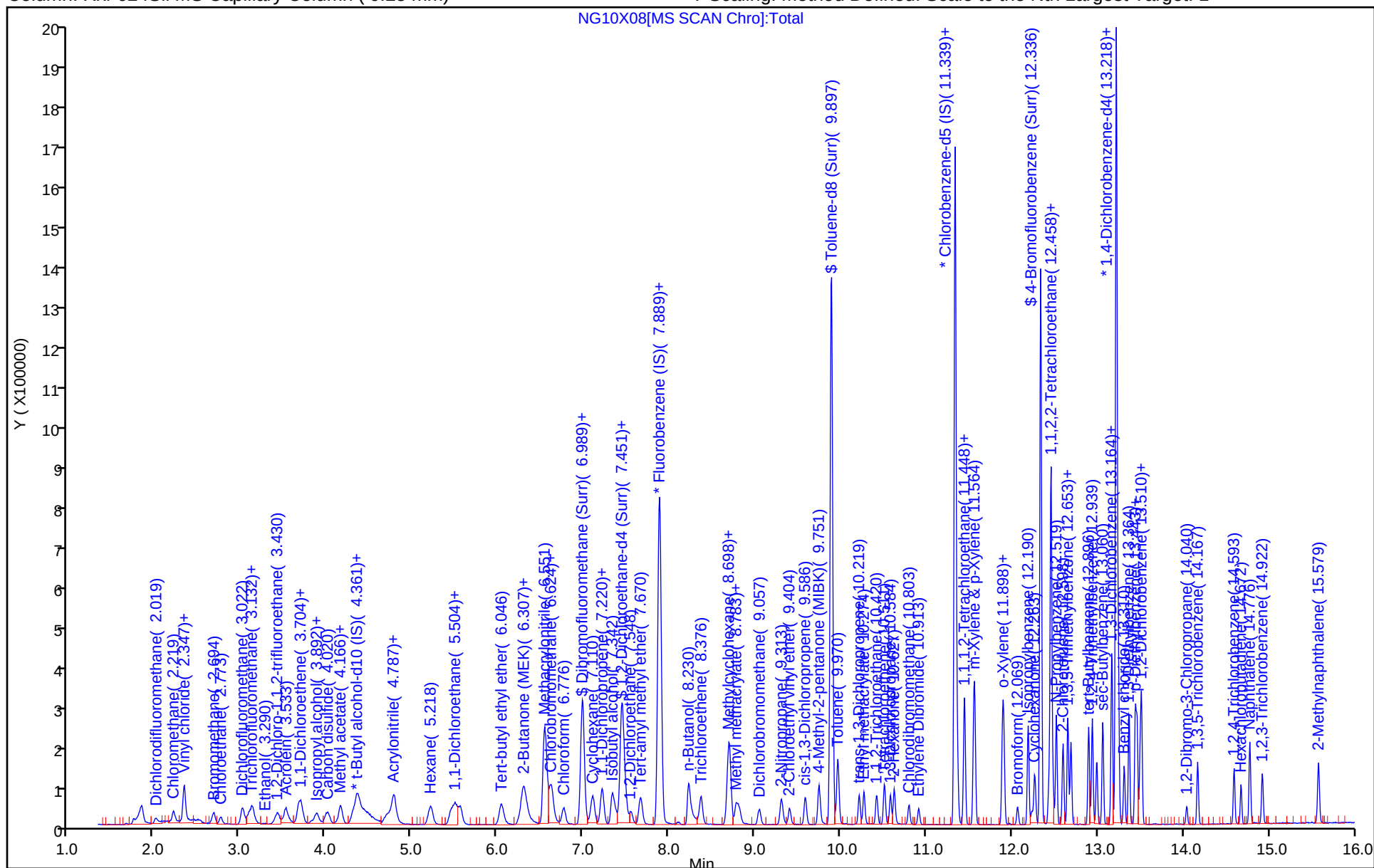
ALS Bottle#: 8

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC

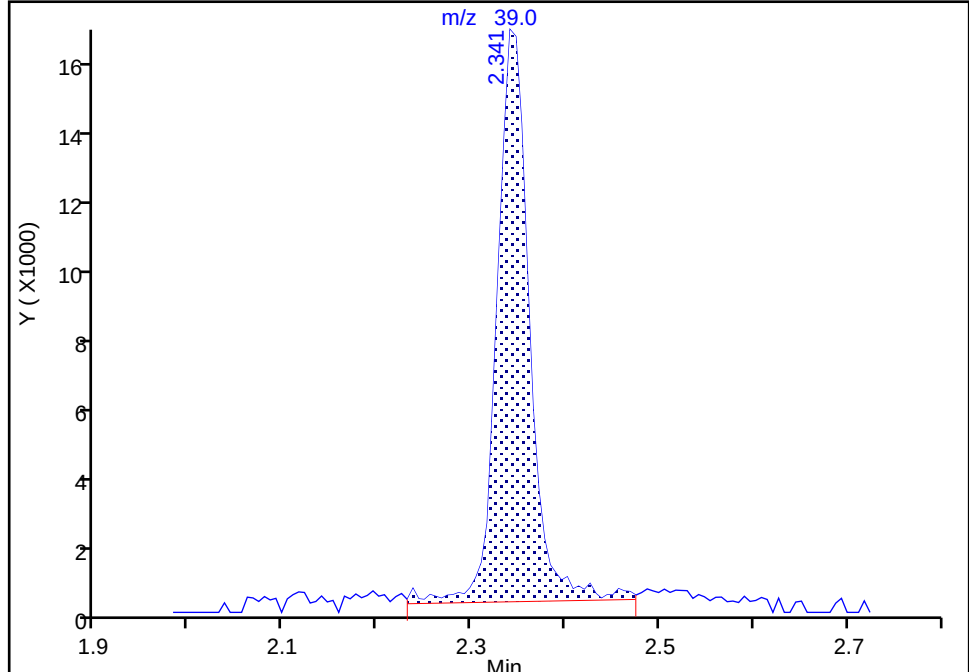
Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X08.D
Injection Date: 10-Aug-2021 14:26:30 Instrument ID: 7159
Lims ID: IC std2
Client ID:
Operator ID: jml01693 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

9 Butadiene, CAS: 106-99-0

Signal: 1

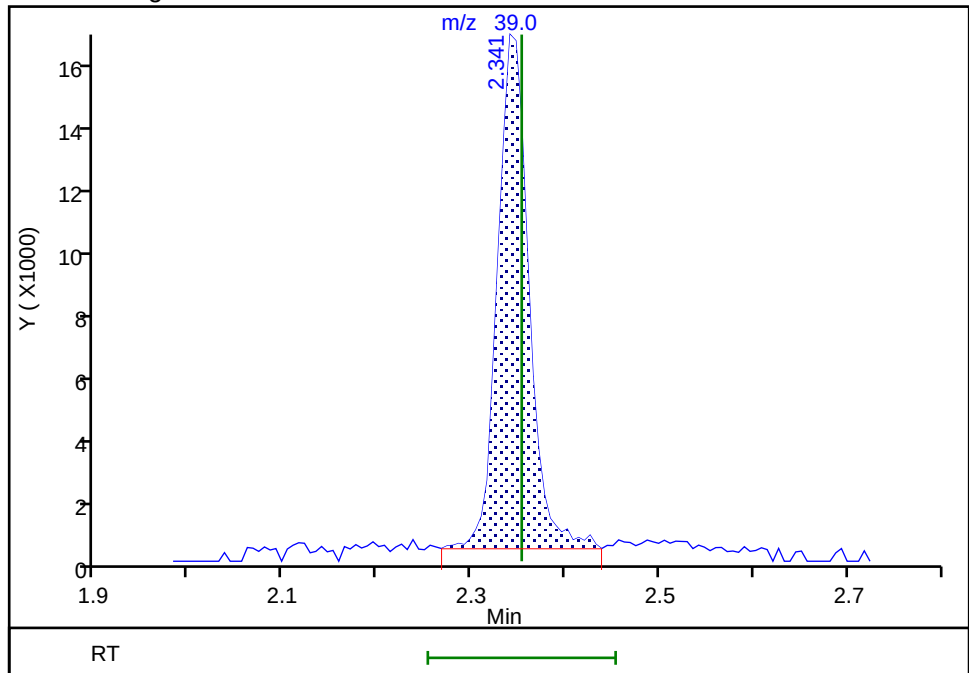
RT: 2.34
Area: 38007
Amount: 4.644233
Amount Units: ug/l

Processing Integration Results



RT: 2.34
Area: 36282
Amount: 4.377071
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:39:07

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X08.D

Injection Date: 10-Aug-2021 14:26:30

Instrument ID: 7159

Lims ID: IC std2

Client ID:

Operator ID: jml01693

ALS Bottle#:

8

Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

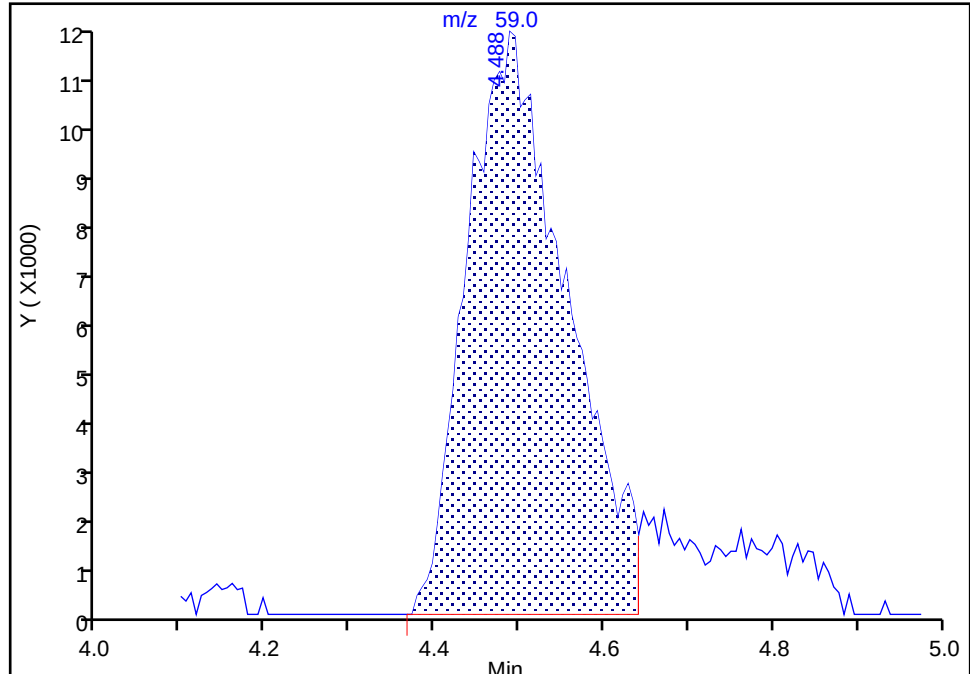
MS Quad

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

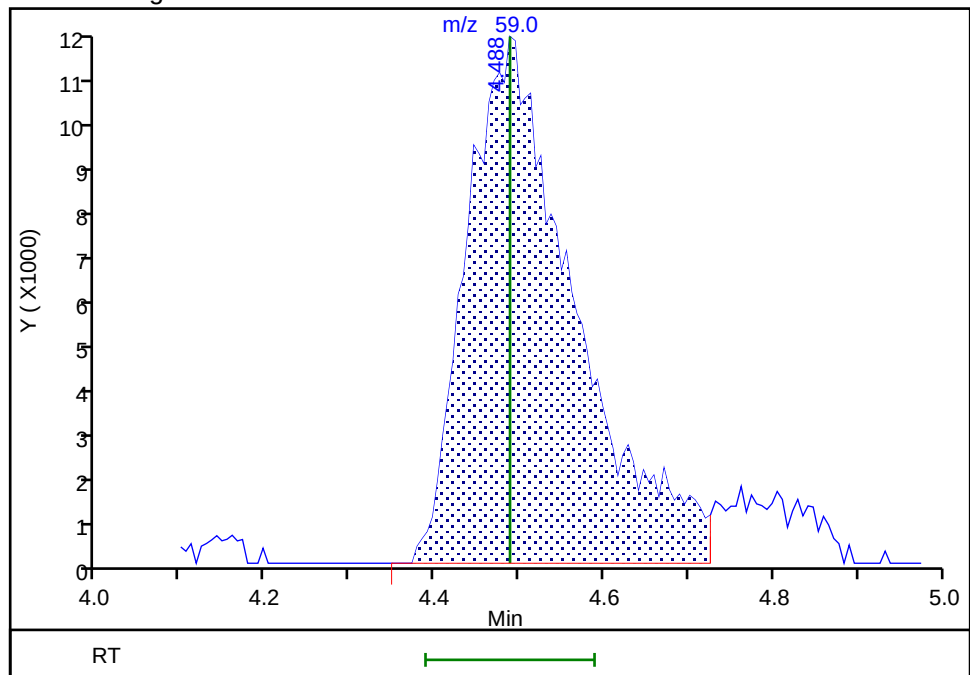
RT: 4.49
Area: 90402
Amount: 73.625968
Amount Units: ug/l

Processing Integration Results



RT: 4.49
Area: 97754
Amount: 78.337911
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:39:27

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
 Lims ID: IC std1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 10-Aug-2021 14:49:30 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0036390-009
 Misc. Info.: ICAL
 Operator ID: jml01693 Instrument ID: 7159
 Sublist: chrom-MSVoa_7159*sub19
 Method: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Aug-2021 18:52:13 Calib Date: 10-Aug-2021 14:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1630

First Level Reviewer: campbellme

Date: 10-Aug-2021 18:48:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.019	2.025	-0.006	93	7327	1.00	0.9298	
6 Chloromethane	50	2.213	2.232	-0.019	96	8736	1.00	1.02	
8 Vinyl chloride	62	2.341	2.353	-0.012	88	8144	1.00	0.9129	
9 Butadiene	39	2.341	2.353	-0.012	91	9392	1.00	1.13	M
10 Bromomethane	94	2.676	2.700	-0.024	90	5972	1.00	0.9539	
11 Chloroethane	64	2.773	2.779	-0.006	94	4935	1.00	0.9445	
12 Dichlorofluoromethane	67	3.022	3.035	-0.013	95	12048	1.00	1.02	
13 Trichlorofluoromethane	101	3.083	3.102	-0.019	98	9711	1.00	0.8751	
15 Pentane	43	3.132	3.144	-0.012	94	11691	1.00	0.9160	
16 Ethanol	45	3.248	3.223	0.025	22	3651	62.5	45.9	M
17 1,2-Dichloro-1,1,2-trifluoroethane	67	3.424	3.448	-0.024	89	7948	1.00	1.00	
18 Acrolein	56	3.540	3.534	0.006	98	21220	10.0	9.55	
20 1,1-Dichloroethene	96	3.679	3.692	-0.013	94	5770	1.00	0.9222	M
21 Acetone	58	3.716	3.704	0.012	40	1251	2.00	1.35	Ma
22 112TCTFE	101	3.716	3.722	-0.006	76	5142	1.00	0.7864	
23 Isopropyl alcohol	45	3.880	3.850	0.030	35	12210	20.0	19.0	
24 Iodomethane	142	3.880	3.899	-0.019	92	11121	1.00	0.99	
25 Carbon disulfide	76	4.020	4.026	-0.006	98	19299	1.00	0.9070	
26 Methyl acetate	43	4.166	4.142	0.024	39	8096	1.00	1.18	M
27 3-Chloro-1-propene	41	4.172	4.178	-0.006	87	10680	1.00	0.99	
* 29 t-Butyl alcohol-d10 (IS)	65	4.349	4.373	-0.024	47	299159	250.0	250.0	
28 Methylene Chloride	84	4.373	4.379	-0.006	41	6968	1.00	1.00	M
31 2-Methyl-2-propanol	59	4.495	4.489	0.006	32	25806	20.0	20.4	M
32 Acrylonitrile	53	4.720	4.714	0.006	91	8179	2.50	2.33	
33 Methyl tert-butyl ether	73	4.774	4.787	-0.013	94	21107	1.00	1.03	M
34 trans-1,2-Dichloroethene	96	4.799	4.805	-0.006	96	6572	1.00	0.9502	M
36 Hexane	57	5.219	5.225	-0.006	90	10613	1.00	0.9438	
37 1,1-Dichloroethane	63	5.444	5.456	-0.012	17	11333	1.00	0.9640	
39 Isopropyl ether	45	5.498	5.511	-0.013	91	20502	1.00	0.9731	
40 2-Chloro-1,3-butadiene	53	5.565	5.572	-0.007	57	9611	1.00	0.9226	M

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.040	6.052	-0.012	96	20743	1.00	1.01	M
S 42 1,2-Dichloroethene, Total	100				0			2.00	
43 2-Butanone (MEK)	43	6.253	6.247	0.006	85	13054	2.00	2.55	
44 cis-1,2-Dichloroethene	96	6.277	6.295	-0.018	77	8029	1.00	1.05	a
45 2,2-Dichloropropane	77	6.295	6.314	-0.019	76	10094	1.00	0.9604	a
46 Propionitrile	54	6.338	6.332	0.006	99	26895	20.0	17.6	
47 Methacrylonitrile	67	6.557	6.551	0.006	91	37867	10.0	9.42	
48 Chlorobromomethane	128	6.612	6.630	-0.018	50	3347	1.00	0.9409	a
49 Tetrahydrofuran	71	6.624	6.636	-0.012	68	8050	5.00	5.21	
50 Chloroform	83	6.770	6.776	-0.006	92	11762	1.00	1.00	
\$ 51 Dibromofluoromethane (Surr)	113	6.989	6.995	-0.006	93	266190	50.0	49.8	
52 1,1,1-Trichloroethane	97	7.001	7.007	-0.006	36	9741	1.00	0.9001	
54 Cyclohexane	56	7.105	7.111	-0.007	88	11821	1.00	0.8939	
56 1,1-Dichloropropene	75	7.220	7.226	-0.006	93	8966	1.00	0.9383	
55 Carbon tetrachloride	117	7.220	7.226	-0.006	88	8112	1.00	0.8907	
58 Isobutyl alcohol	41	7.336	7.348	-0.012	94	22623	50.0	53.5	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.445	7.457	-0.012	82	70093	50.0	50.4	
60 Benzene	78	7.482	7.488	-0.006	94	27482	1.00	0.9573	
61 1,2-Dichloroethane	62	7.549	7.555	-0.006	59	9593	1.00	1.10	
62 Tert-amyl methyl ether	73	7.664	7.670	-0.006	97	20223	1.00	0.99	
* 64 Fluorobenzene (IS)	96	7.889	7.895	-0.006	99	1110355	50.0	50.0	
65 n-Heptane	43	7.901	7.902	-0.001	37	10464	1.00	1.00	
66 n-Butanol	56	8.236	8.230	0.006	90	27910	87.5	77.9	
67 Trichloroethene	95	8.364	8.376	-0.012	92	6717	1.00	0.9092	Ma
68 Methylcyclohexane	83	8.692	8.692	0.000	93	12482	1.00	0.8782	
69 2-ethoxy-2-methyl butane	87	8.711	8.711	0.000	94	11228	1.00	1.00	
70 1,2-Dichloropropane	63	8.711	8.711	0.000	70	6542	1.00	0.9156	
71 Methyl methacrylate	69	8.790	8.784	0.006	85	6652	1.00	0.9875	M
72 1,4-Dioxane	88	8.802	8.808	-0.006	47	3059	50.0	41.7	
74 Dibromomethane	93	8.814	8.820	-0.006	94	4248	1.00	0.9833	
75 Dichlorobromomethane	83	9.057	9.057	0.000	96	8712	1.00	0.9789	
77 2-Nitropropane	41	9.313	9.313	0.000	97	14415	5.00	5.18	
78 2-Chloroethyl vinyl ether	63	9.404	9.404	0.000	88	4978	1.00	0.9138	
79 cis-1,3-Dichloropropene	75	9.587	9.593	-0.006	94	11488	1.00	0.9760	
80 4-Methyl-2-pentanone (MIBK)	43	9.751	9.751	0.000	95	19252	2.00	1.91	
\$ 81 Toluene-d8 (Surr)	98	9.897	9.897	0.000	93	1142924	50.0	50.3	
82 Toluene	92	9.976	9.970	0.006	96	17709	1.00	0.9369	
S 83 1,3-Dichloropropene, Total	100				0			1.98	
84 trans-1,3-Dichloropropene	75	10.219	10.219	0.000	90	10785	1.00	1.00	
85 Ethyl methacrylate	69	10.274	10.274	0.000	89	11065	1.00	0.9814	
86 1,1,2-Trichloroethane	97	10.420	10.426	-0.006	90	6260	1.00	0.9607	
87 Tetrachloroethene	166	10.511	10.517	-0.006	96	7148	1.00	0.9325	
88 1,3-Dichloropropane	76	10.584	10.584	0.000	86	10970	1.00	1.01	
89 2-Hexanone	43	10.633	10.627	0.006	91	14916	2.00	1.95	
90 Chlorodibromomethane	129	10.797	10.803	-0.006	90	6760	1.00	0.9459	
91 Ethylene Dibromide	107	10.913	10.913	0.000	94	7011	1.00	0.99	
S 92 Xylenes, Total	106				0			2.83	
* 93 Chlorobenzene-d5 (IS)	117	11.339	11.339	0.000	85	913151	50.0	50.0	
94 1-Chlorohexane	91	11.345	11.345	0.000	35	12174	1.00	1.04	
95 Chlorobenzene	112	11.363	11.363	0.000	97	19777	1.00	0.9610	
96 1,1,1,2-Tetrachloroethane	131	11.442	11.448	-0.006	43	6617	1.00	0.9308	
97 Ethylbenzene	91	11.448	11.448	0.000	98	35365	1.00	0.9605	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
98 m-Xylene & p-Xylene	106	11.564	11.564	0.000	100	28073	2.00	1.92	
99 o-Xylene	106	11.892	11.892	0.000	97	12980	1.00	0.9107	
100 Styrene	104	11.904	11.905	0.000	93	22477	1.00	0.9400	
101 Bromoform	173	12.069	12.069	0.000	90	4479	1.00	0.8773	
102 Isopropylbenzene	105	12.190	12.190	0.000	95	34932	1.00	0.9403	
103 Cyclohexanone	55	12.263	12.263	0.000	90	14498	50.0	47.4	
\$ 104 4-Bromofluorobenzene (Surr)	95	12.336	12.336	0.000	88	458003	50.0	50.1	
105 1,1,2,2-Tetrachloroethane	83	12.428	12.434	-0.006	92	10202	1.00	0.9805	
106 Bromobenzene	156	12.452	12.452	0.000	59	8365	1.00	0.9878	
107 trans-1,4-Dichloro-2-butene	53	12.458	12.458	0.000	93	33256	10.0	9.68	
108 1,2,3-Trichloropropane	110	12.482	12.482	0.000	74	3246	1.00	1.00	
109 N-Propylbenzene	91	12.519	12.519	0.000	99	42316	1.00	0.9676	
110 2-Chlorotoluene	126	12.598	12.598	0.000	97	8535	1.00	0.9664	
111 1,3,5-Trimethylbenzene	105	12.653	12.653	0.000	94	29303	1.00	0.9374	
112 4-Chlorotoluene	126	12.689	12.689	0.000	96	8557	1.00	0.9567	
113 tert-Butylbenzene	134	12.896	12.896	0.000	92	5890	1.00	0.9101	
115 1,2,4-Trimethylbenzene	105	12.939	12.939	0.000	96	30914	1.00	0.9711	
116 sec-Butylbenzene	105	13.060	13.060	0.000	93	35925	1.00	0.9343	
117 1,3-Dichlorobenzene	146	13.164	13.164	0.000	96	16044	1.00	0.9609	
118 4-Isopropyltoluene	119	13.164	13.170	-0.006	98	31736	1.00	0.9463	
* 119 1,4-Dichlorobenzene-d4	152	13.218	13.219	-0.001	95	490708	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.237	13.237	0.000	95	17008	1.00	1.00	
121 1,2,3-Trimethylbenzene	105	13.243	13.243	0.000	97	32428	1.00	1.01	
122 Benzyl chloride	91	13.310	13.310	0.000	98	23325	1.00	0.9759	
123 1,3-Diethylbenzene	119	13.364	13.365	-0.001	94	18632	1.00	0.9185	
124 p-Diethylbenzene	119	13.444	13.438	0.006	95	20268	1.00	0.9556	
125 n-Butylbenzene	92	13.456	13.462	-0.006	97	14603	1.00	0.8738	
126 1,2-Dichlorobenzene	146	13.498	13.498	0.000	98	16118	1.00	1.02	
127 o-diethylbenzene	119	13.511	13.511	-0.001	95	15912	1.00	0.9441	
129 1,2-Dibromo-3-Chloropropane	75	14.040	14.040	0.000	86	2526	1.00	0.9661	
130 1,3,5-Trichlorobenzene	180	14.168	14.168	0.000	95	10066	1.00	0.9287	
131 1,2,4-Trichlorobenzene	180	14.593	14.593	0.000	91	9033	1.00	0.9400	
132 Hexachlorobutadiene	225	14.672	14.673	-0.001	90	3615	1.00	0.9310	
133 Naphthalene	128	14.776	14.776	0.000	97	37283	1.00	1.04	
134 1,2,3-Trichlorobenzene	180	14.928	14.922	0.006	93	8946	1.00	0.9870	
135 2-Methylnaphthalene	142	15.579	15.579	0.000	91	19315	1.00	1.01	
S 144 Total Diethylbenzene	1				0			2.82	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

MSV_4ppbEtOH_00231

Amount Added: 12.50

Units: mL

MSV_Cent_ISSS_00001

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 10-Aug-2021 18:52:14

Chrom Revision: 2.3 03-Aug-2021 10:08:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D

Injection Date: 10-Aug-2021 14:49:30

Instrument ID: 7159

Operator ID: jml01693

Lims ID: IC std1

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

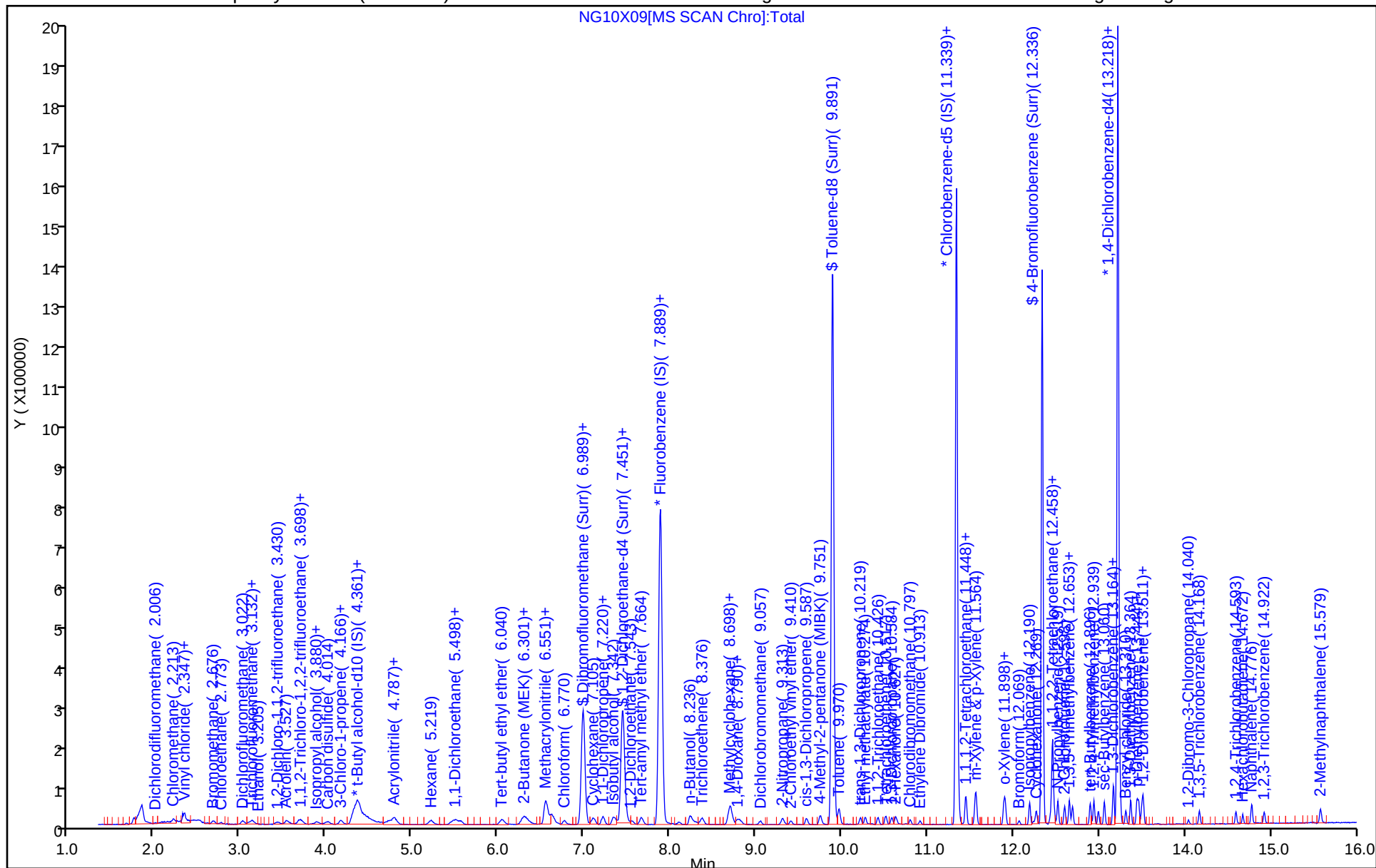
ALS Bottle#: 9

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC

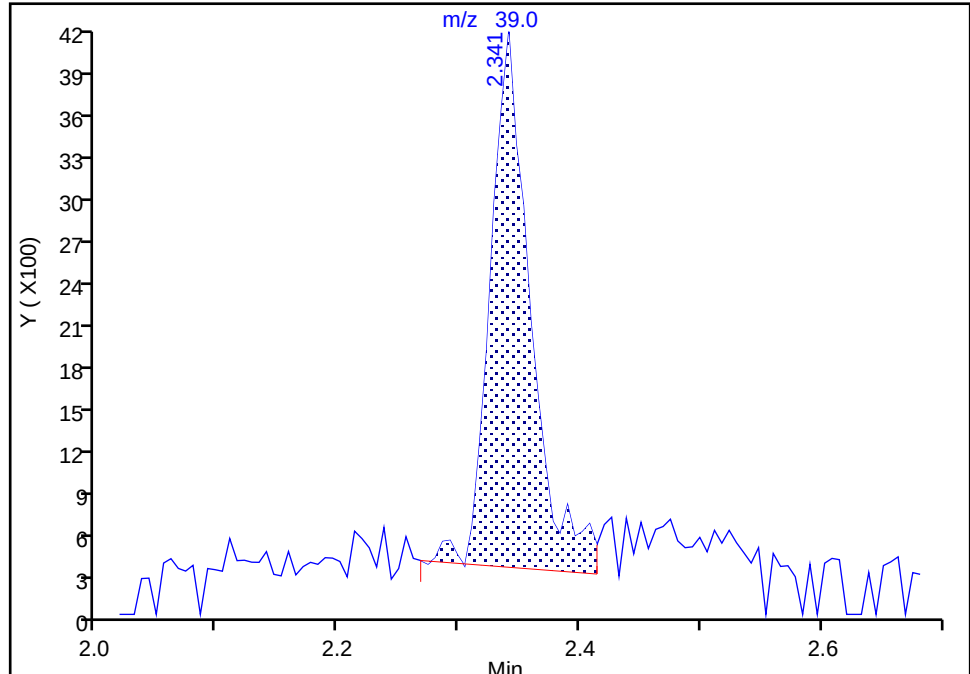
Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
Injection Date: 10-Aug-2021 14:49:30 Instrument ID: 7159
Lims ID: IC std1
Client ID:
Operator ID: jml01693 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

9 Butadiene, CAS: 106-99-0

Signal: 1

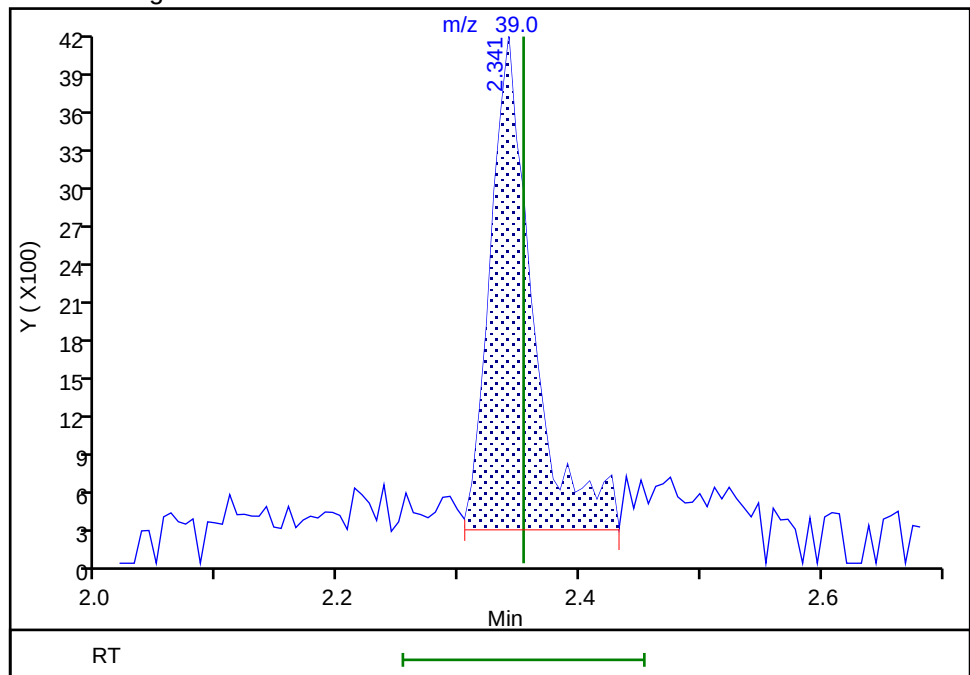
RT: 2.34
Area: 8815
Amount: 1.069597
Amount Units: ug/l

Processing Integration Results



RT: 2.34
Area: 9392
Amount: 1.128324
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:40:18

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D

Injection Date: 10-Aug-2021 14:49:30

Instrument ID: 7159

Lims ID: IC std1

Client ID:

Operator ID: jml01693

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

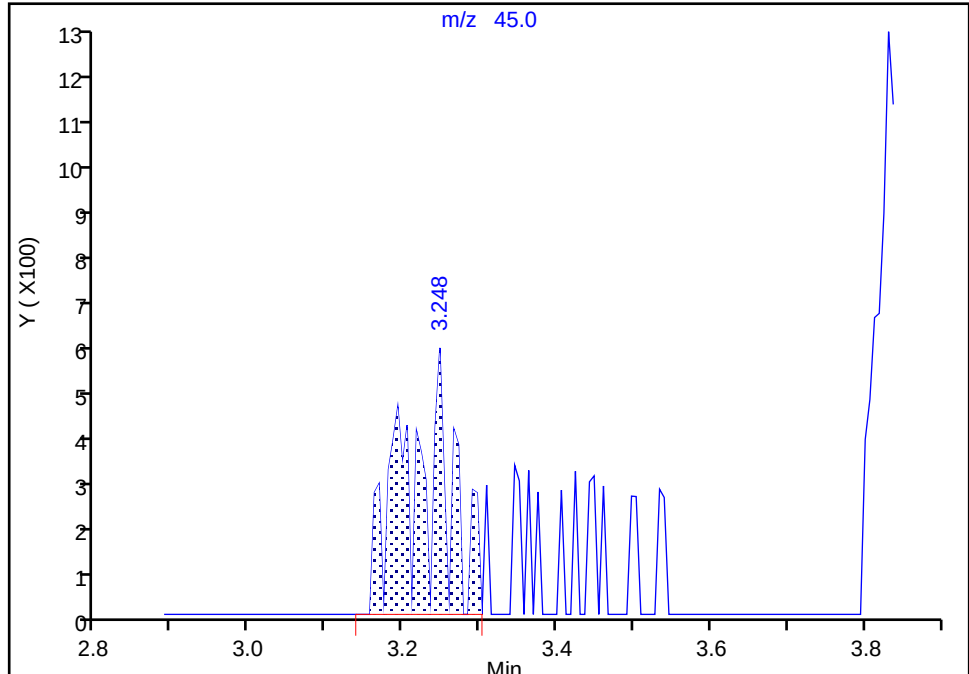
MS Quad

16 Ethanol, CAS: 64-17-5

Signal: 1

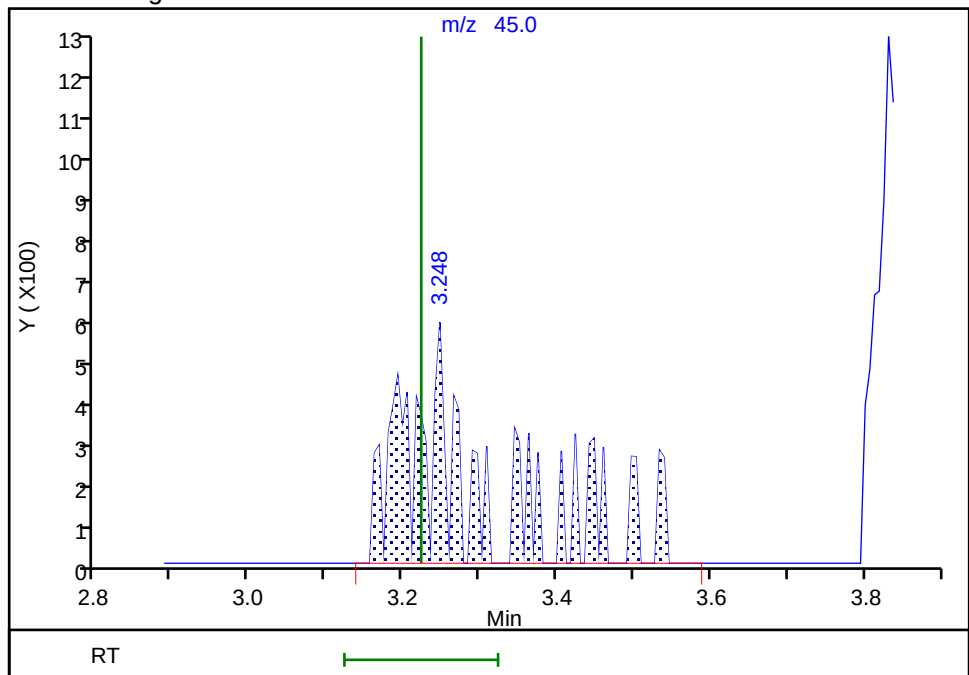
RT: 3.25
Area: 2204
Amount: 62.682793
Amount Units: ug/l

Processing Integration Results



RT: 3.25
Area: 3651
Amount: 45.891659
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:40:25

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D

Injection Date: 10-Aug-2021 14:49:30

Instrument ID: 7159

Lims ID: IC std1

Client ID:

Operator ID: jml01693

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

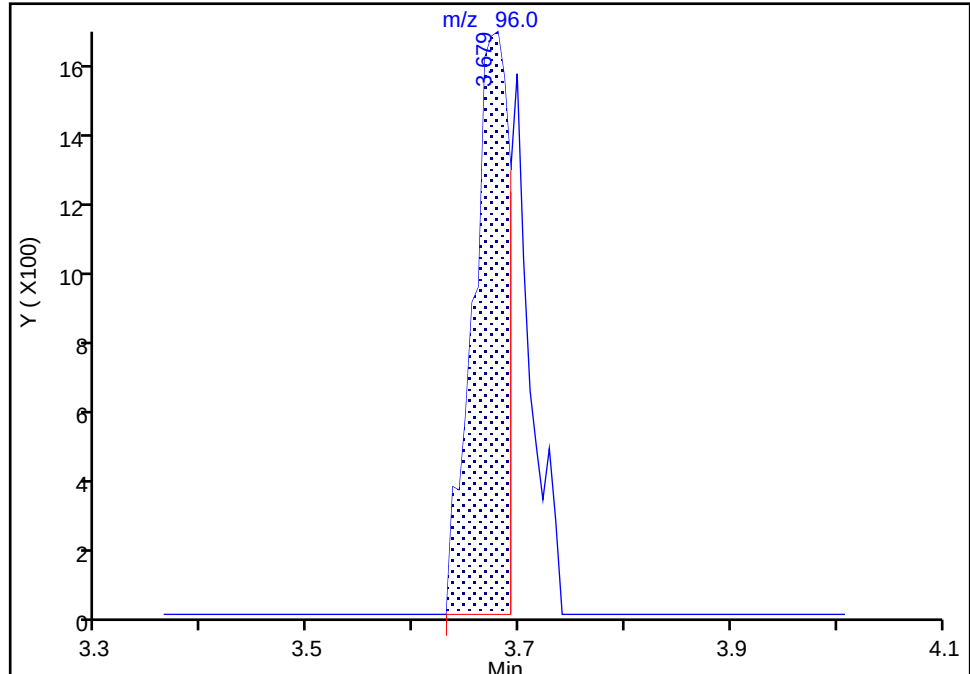
MS Quad

20 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

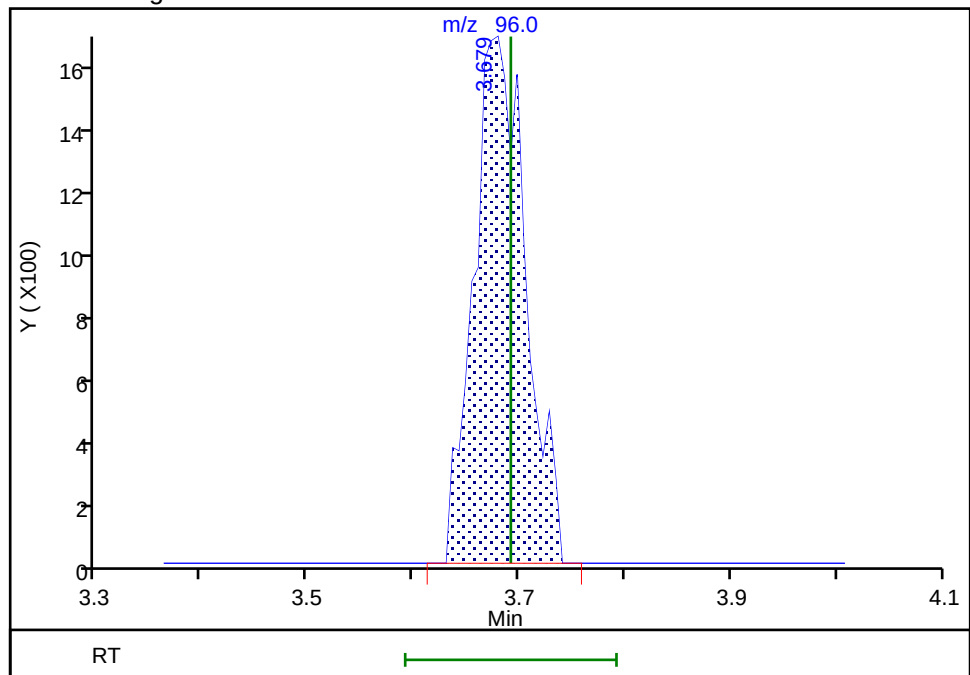
RT: 3.68
Area: 4013
Amount: 0.668153
Amount Units: ug/l

Processing Integration Results



RT: 3.68
Area: 5770
Amount: 0.922151
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:40:33

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D

Injection Date: 10-Aug-2021 14:49:30

Instrument ID: 7159

Lims ID: IC std1

Client ID:

Operator ID: jml01693

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

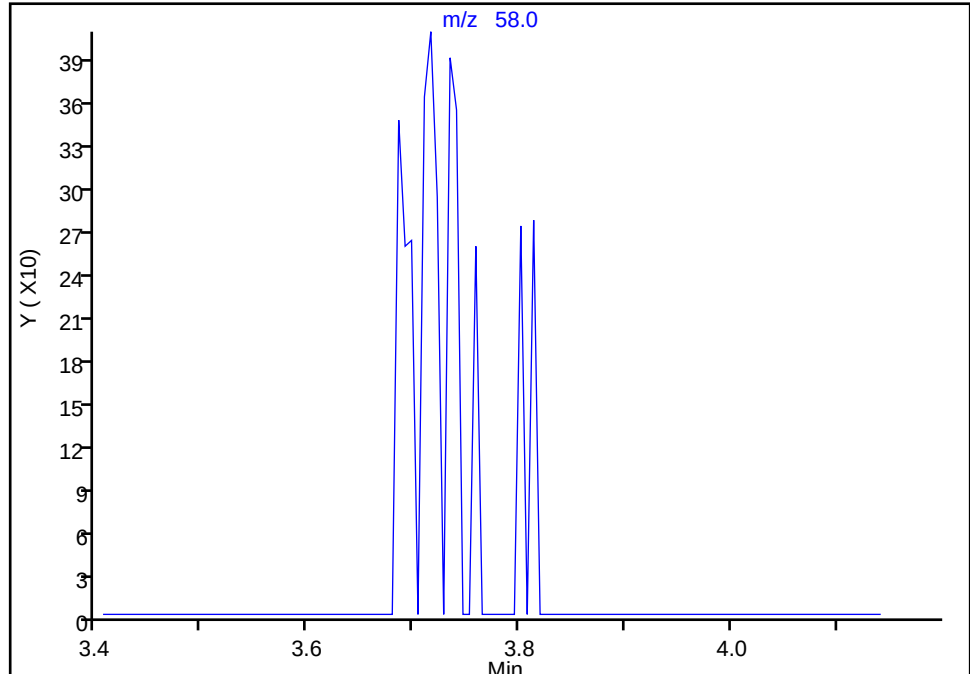
21 Acetone, CAS: 67-64-1

Signal: 1

Not Detected

Expected RT: 3.70

Processing Integration Results



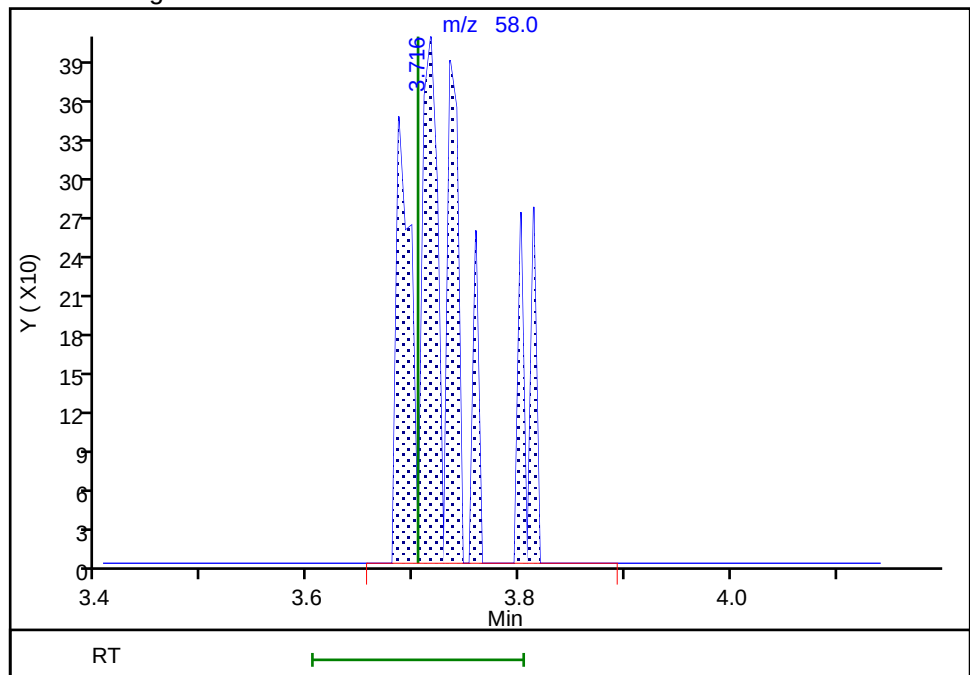
RT: 3.72

Area: 1251

Amount: 1.350708

Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:40:37

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D

Injection Date: 10-Aug-2021 14:49:30

Instrument ID: 7159

Lims ID: IC std1

Client ID:

Operator ID: jml01693

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

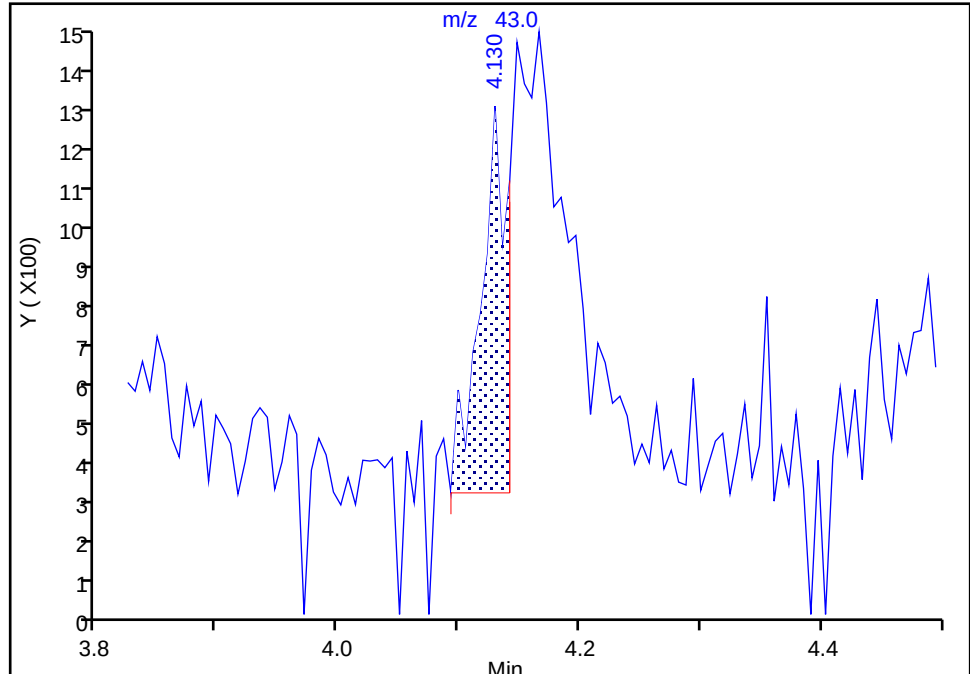
MS Quad

26 Methyl acetate, CAS: 79-20-9

Signal: 1

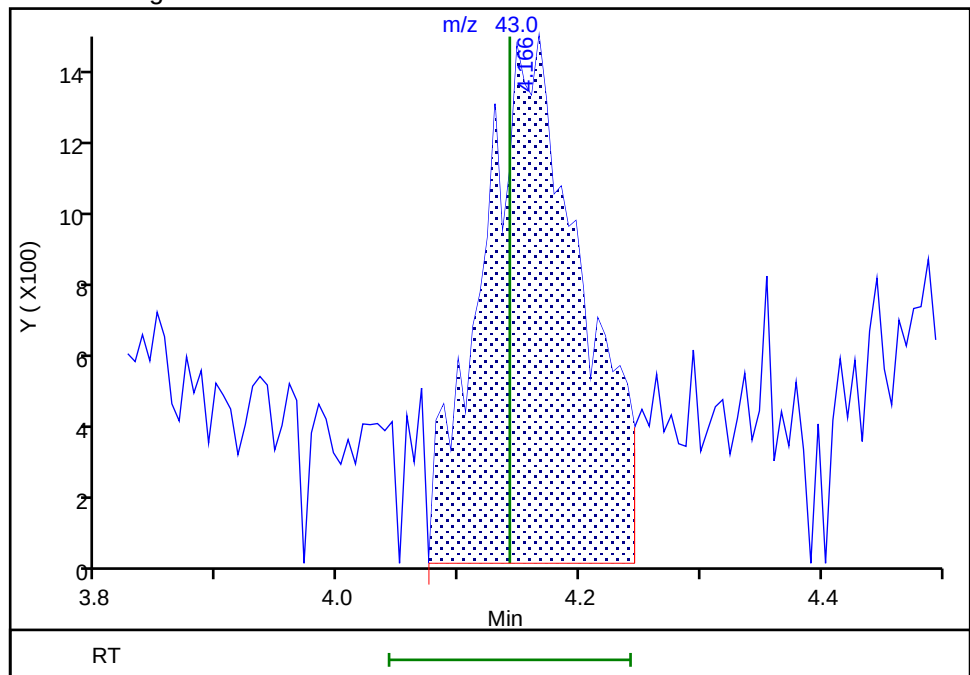
RT: 4.13
Area: 1452
Amount: 0.956922
Amount Units: ug/l

Processing Integration Results



RT: 4.17
Area: 8096
Amount: 1.181763
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:43:30

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D

Injection Date: 10-Aug-2021 14:49:30

Instrument ID: 7159

Lims ID: IC std1

Client ID:

Operator ID: jml01693

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

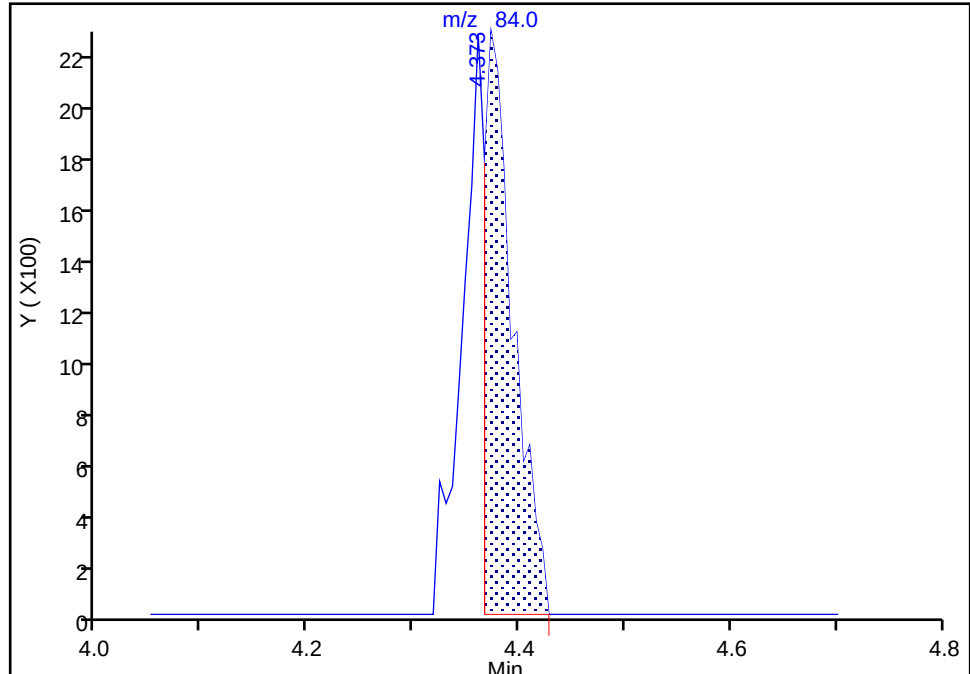
MS Quad

28 Methylene Chloride, CAS: 75-09-2

Signal: 1

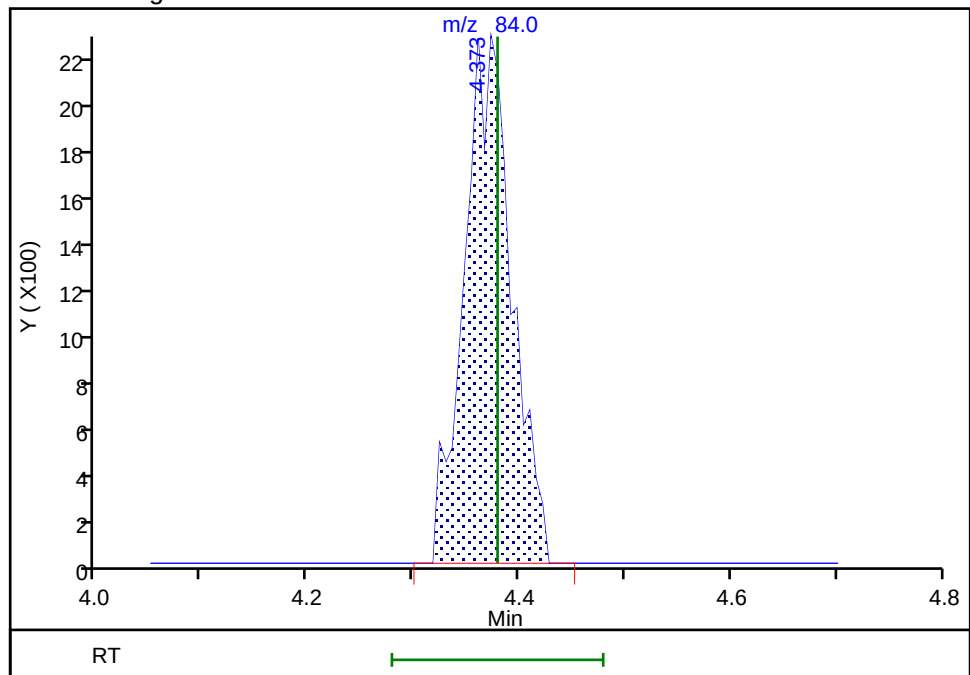
RT: 4.37
Area: 4259
Amount: 0.648821
Amount Units: ug/l

Processing Integration Results



RT: 4.37
Area: 6968
Amount: 1.002415
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:40:59

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D

Injection Date: 10-Aug-2021 14:49:30

Instrument ID: 7159

Lims ID: IC std1

Client ID:

Operator ID: jml01693

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

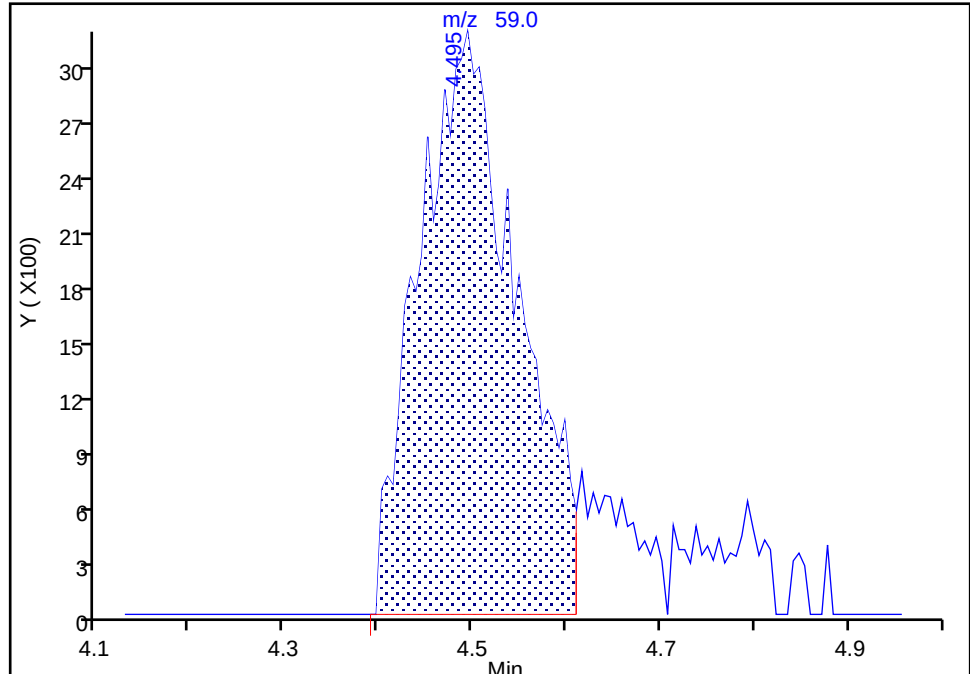
MS Quad

31 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

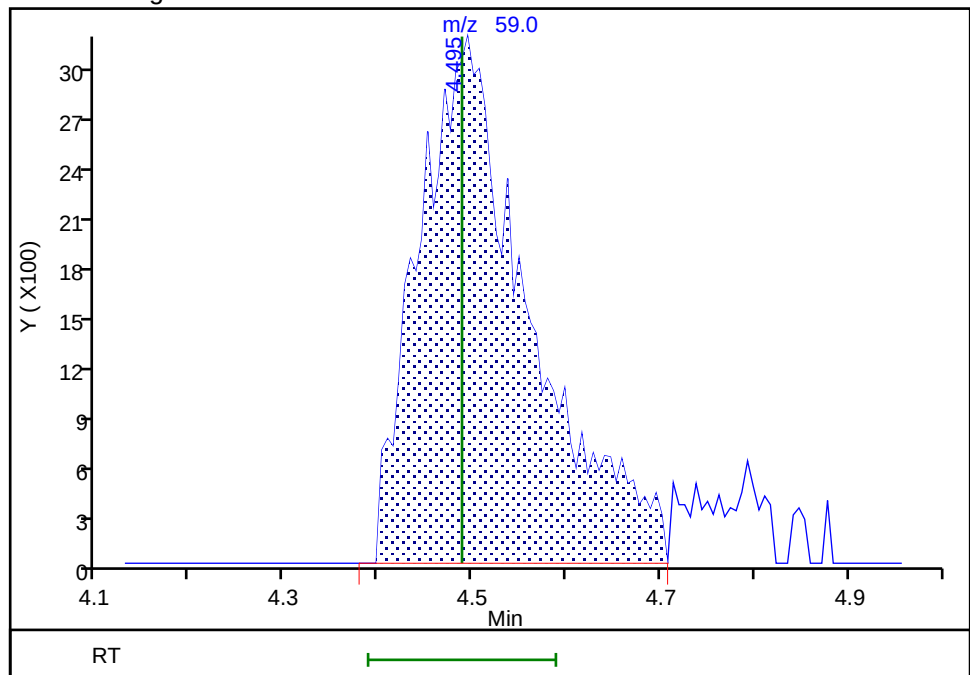
RT: 4.49
Area: 23023
Amount: 18.536572
Amount Units: ug/l

Processing Integration Results



RT: 4.49
Area: 25806
Amount: 20.449957
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:41:03

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D

Injection Date: 10-Aug-2021 14:49:30

Instrument ID: 7159

Lims ID: IC std1

Client ID:

Operator ID: jml01693

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

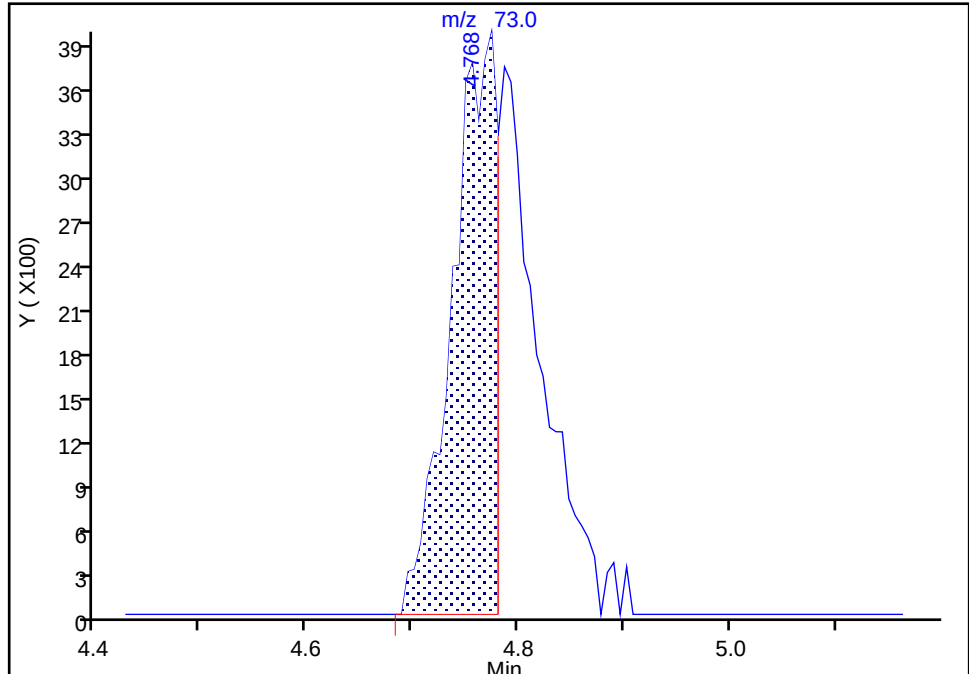
MS Quad

33 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

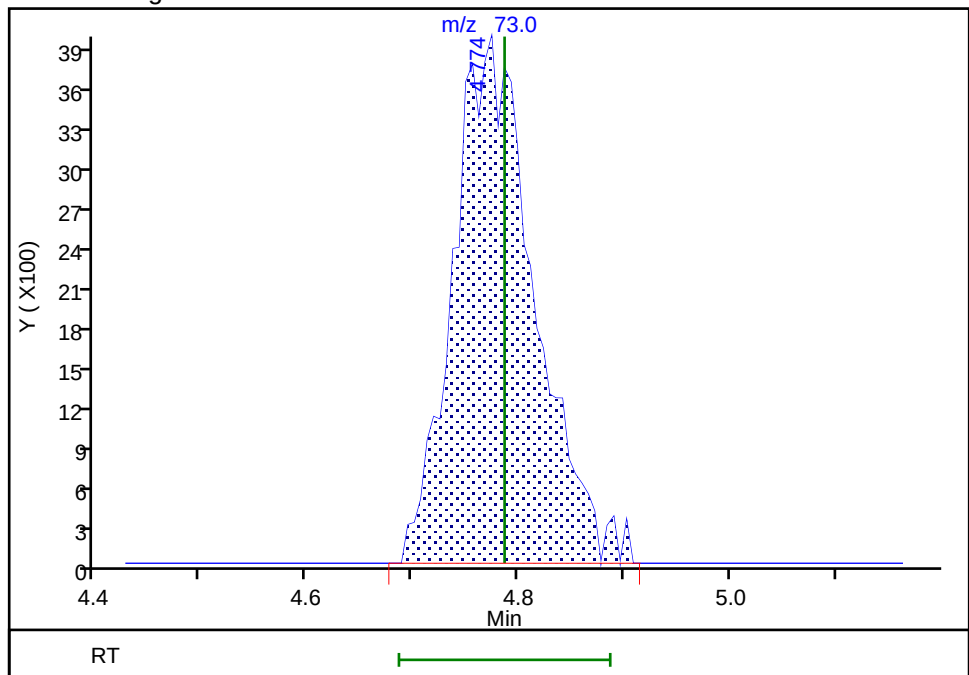
RT: 4.77
Area: 11630
Amount: 0.609012
Amount Units: ug/l

Processing Integration Results



RT: 4.77
Area: 21107
Amount: 1.032110
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:41:07

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D

Injection Date: 10-Aug-2021 14:49:30

Instrument ID: 7159

Lims ID: IC std1

Client ID:

Operator ID: jml01693

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

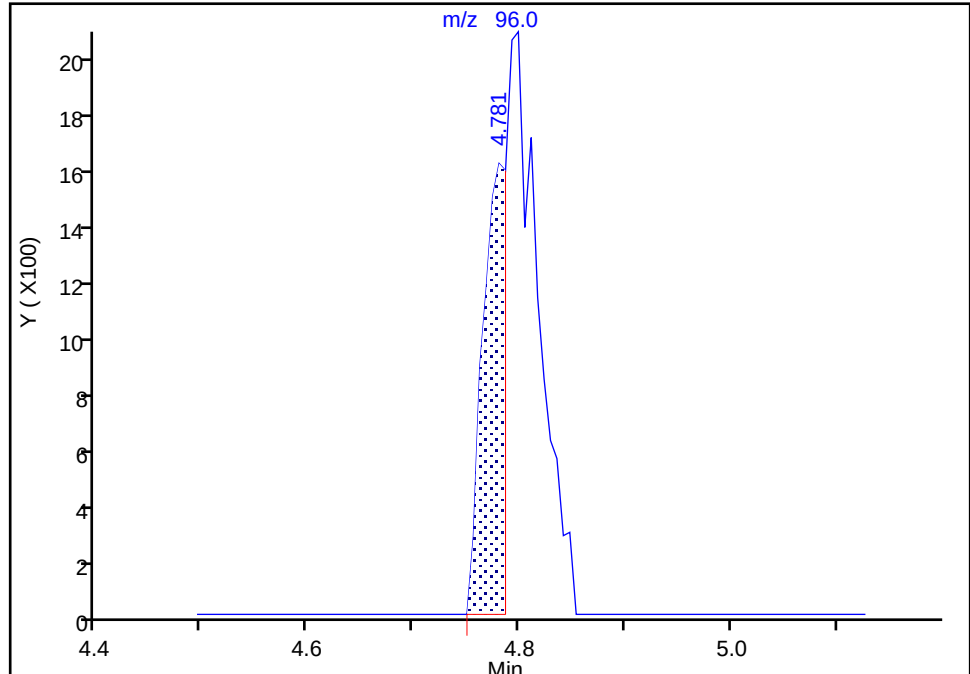
MS Quad

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

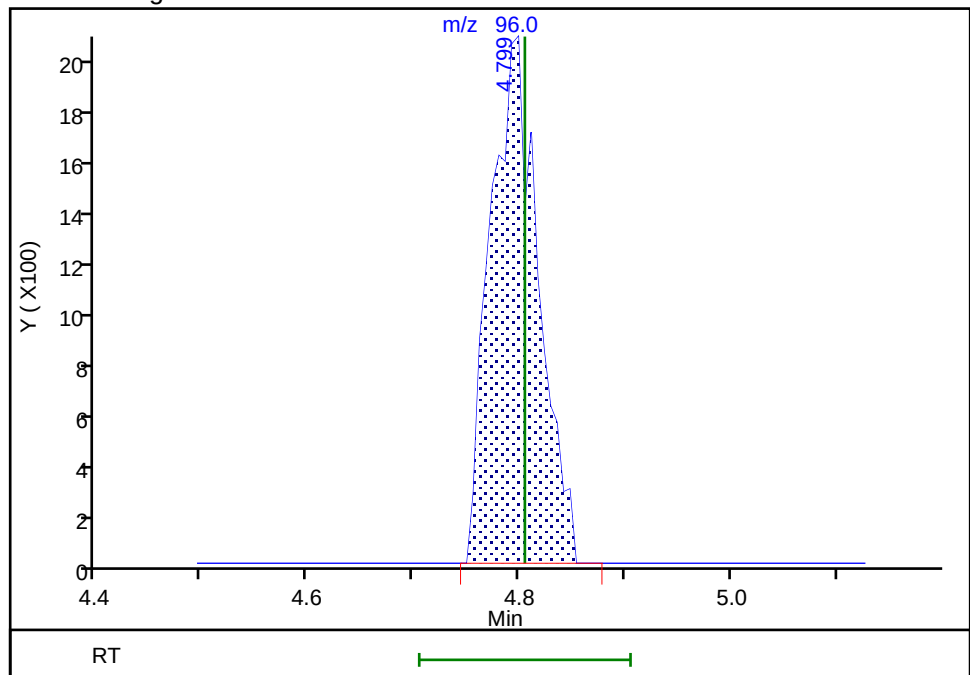
RT: 4.78
Area: 2567
Amount: 0.954130
Amount Units: ug/l

Processing Integration Results



RT: 4.80
Area: 6572
Amount: 0.950187
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:41:10

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D

Injection Date: 10-Aug-2021 14:49:30

Instrument ID: 7159

Lims ID: IC std1

Client ID:

Operator ID: jml01693

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

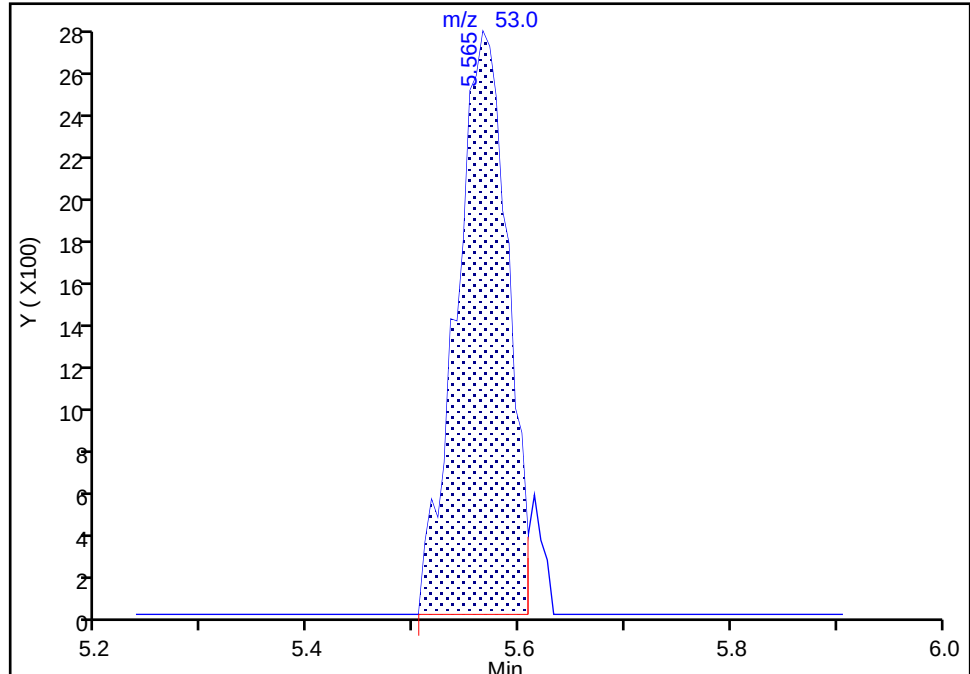
MS Quad

40 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

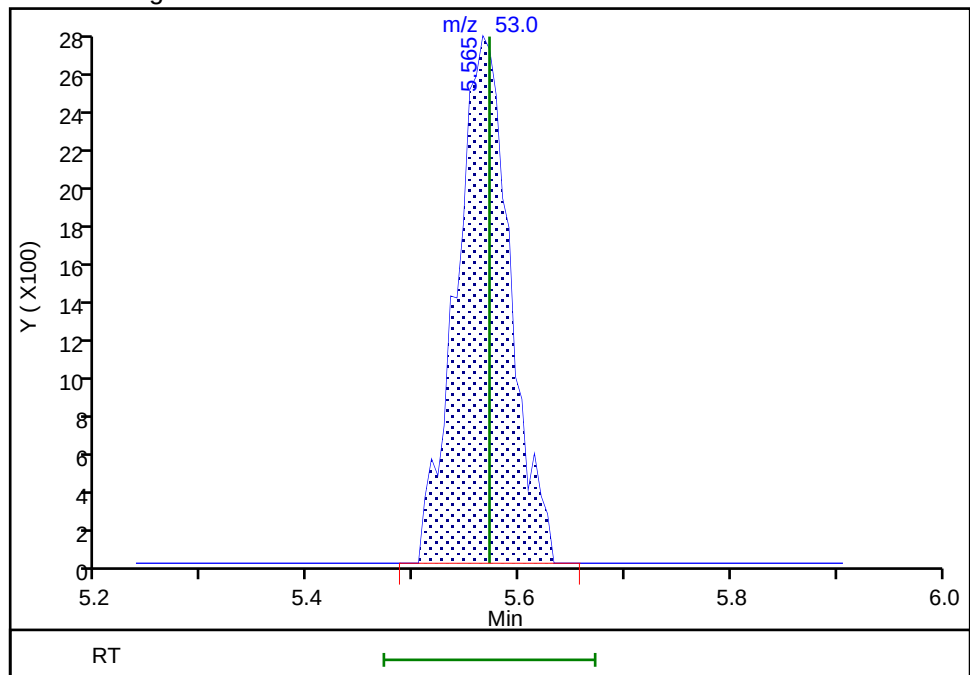
RT: 5.57
Area: 9187
Amount: 0.887045
Amount Units: ug/l

Processing Integration Results



RT: 5.57
Area: 9611
Amount: 0.922589
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:41:16

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D

Injection Date: 10-Aug-2021 14:49:30

Instrument ID: 7159

Lims ID: IC std1

Client ID:

Operator ID: jml01693

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

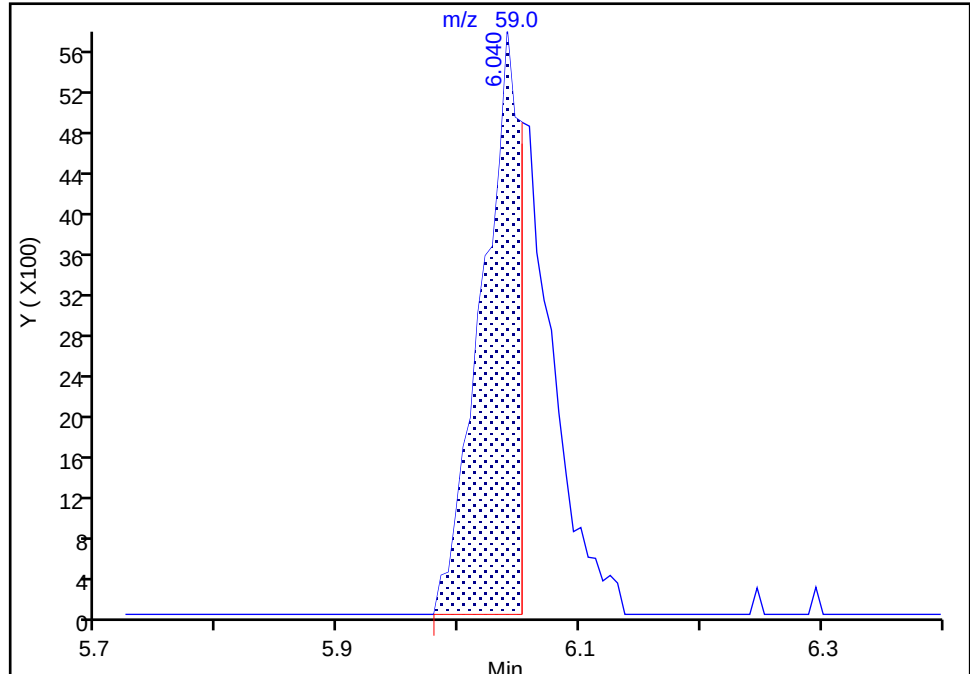
MS Quad

41 Tert-butyl ethyl ether, CAS: 637-92-3

Signal: 1

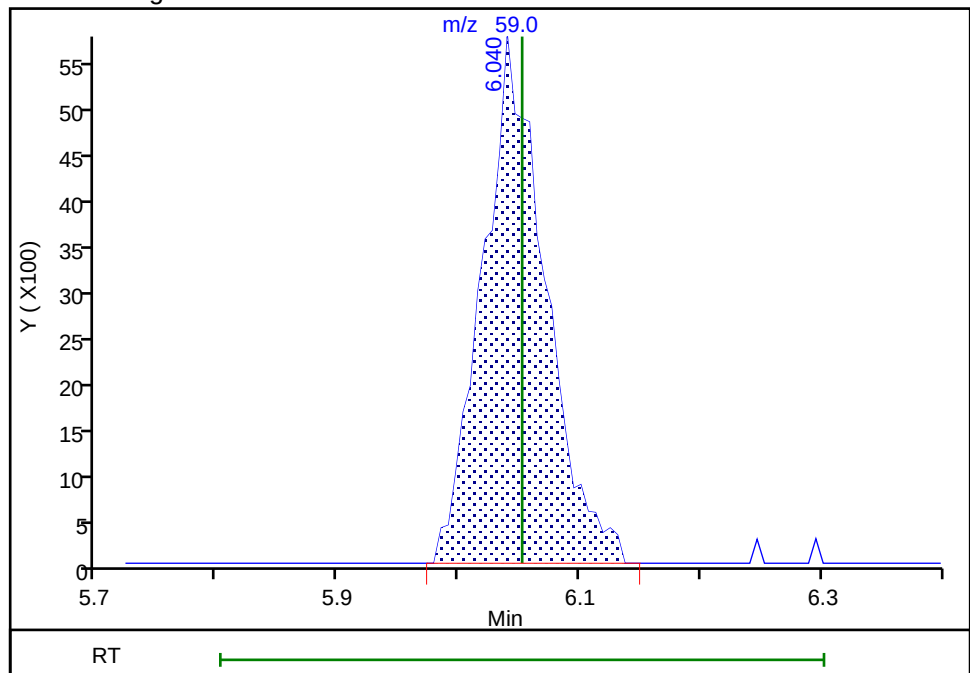
RT: 6.04
Area: 12927
Amount: 0.668268
Amount Units: ug/l

Processing Integration Results



RT: 6.04
Area: 20743
Amount: 1.013802
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:41:20

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D

Injection Date: 10-Aug-2021 14:49:30

Instrument ID: 7159

Lims ID: IC std1

Client ID:

Operator ID: jml01693

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

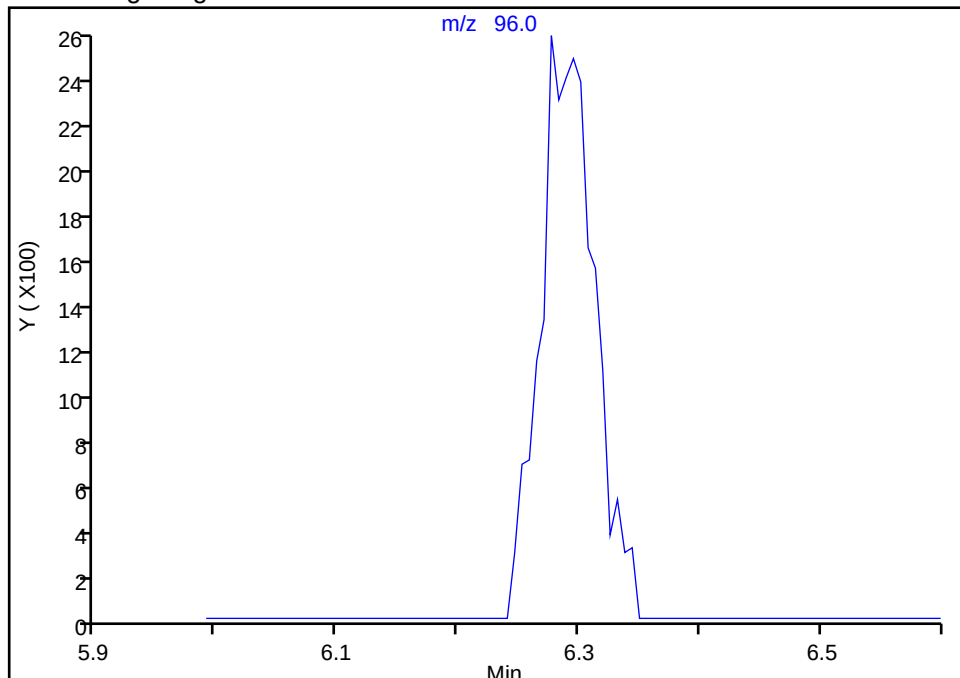
44 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

Not Detected

Expected RT: 6.30

Processing Integration Results



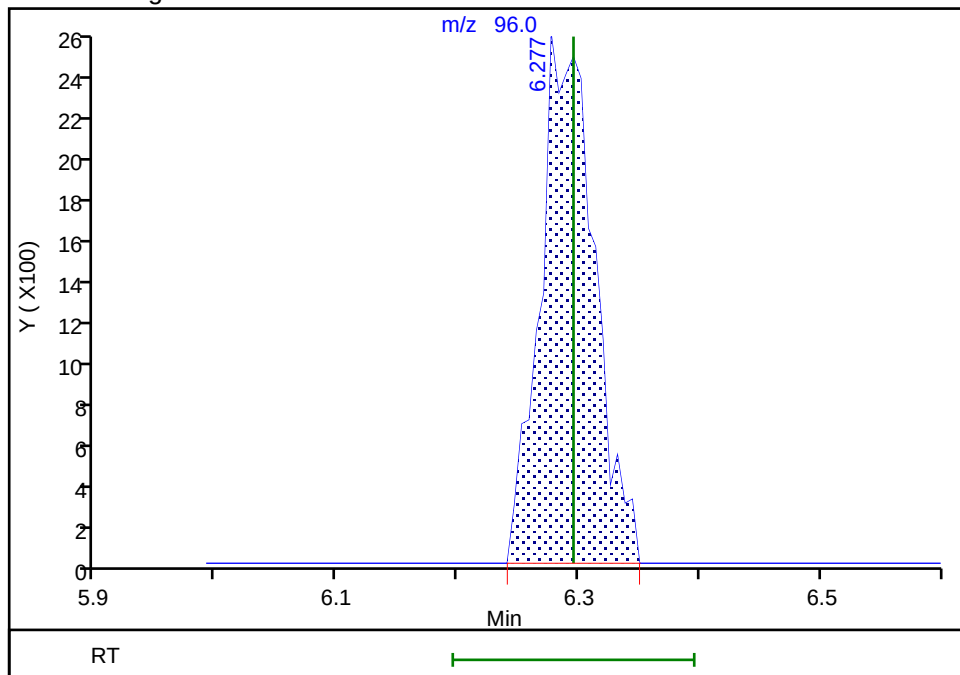
RT: 6.28

Area: 8029

Amount: 1.045842

Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:41:25

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D

Injection Date: 10-Aug-2021 14:49:30

Instrument ID: 7159

Lims ID: IC std1

Client ID:

Operator ID: jml01693

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

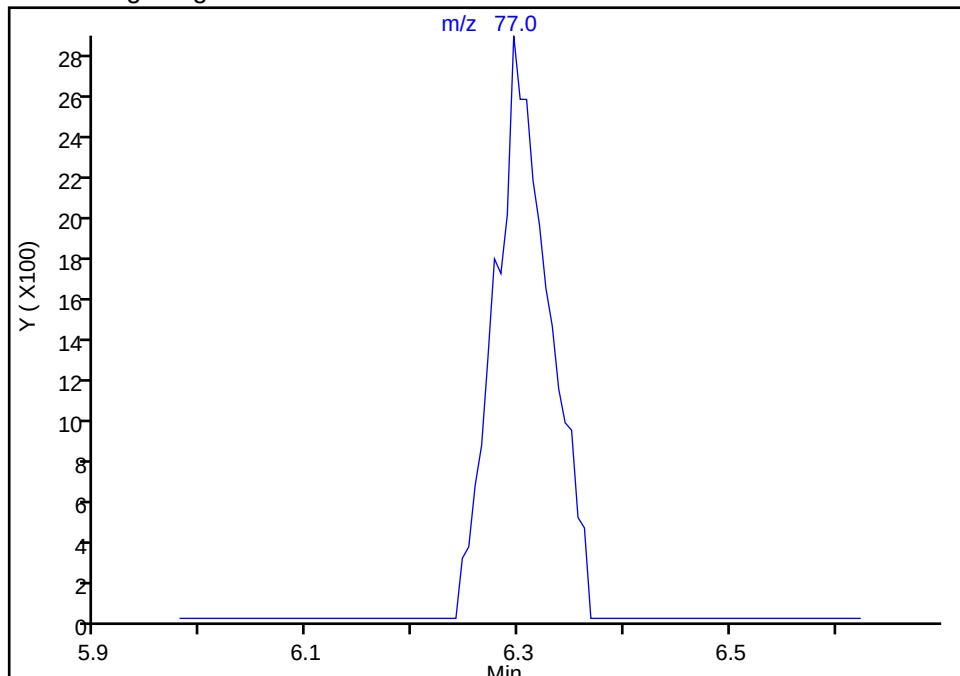
45 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

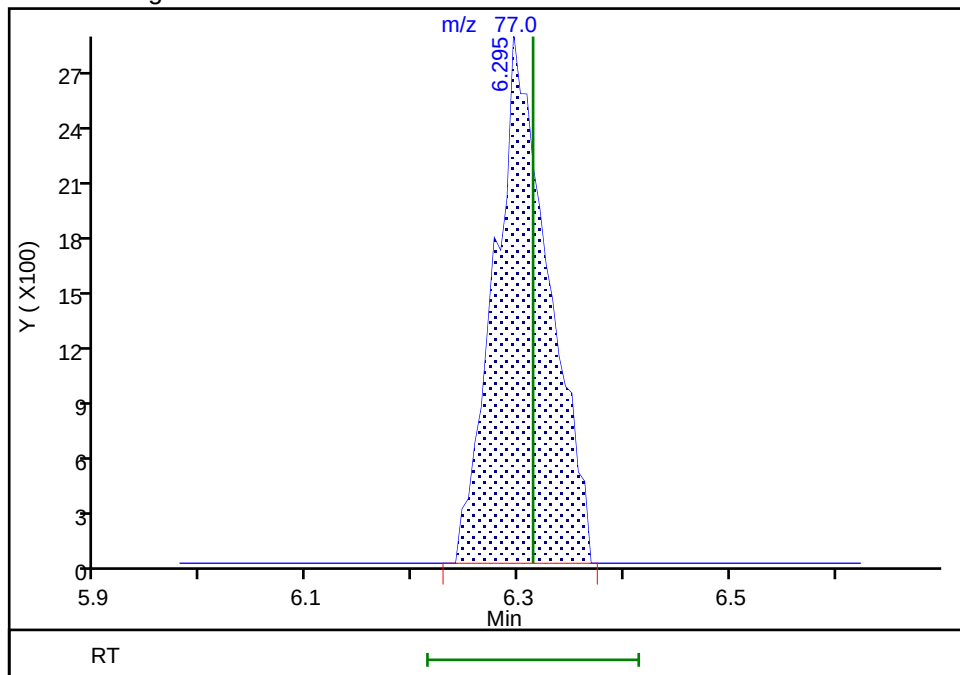
Not Detected

Expected RT: 6.31

Processing Integration Results



Manual Integration Results



RT: 6.30

Area: 10094

Amount: 0.960406

Amount Units: ug/l

Reviewer: campbellme, 10-Aug-2021 18:41:28

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D

Injection Date: 10-Aug-2021 14:49:30

Instrument ID: 7159

Lims ID: IC std1

Client ID:

Operator ID: jml01693

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

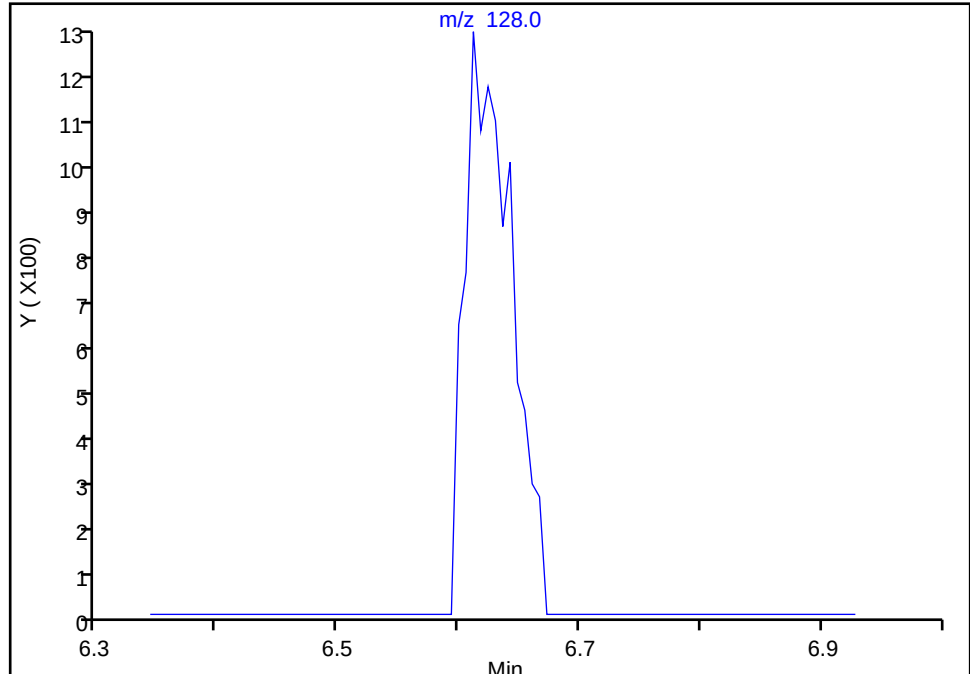
48 Chlorobromomethane, CAS: 74-97-5

Signal: 1

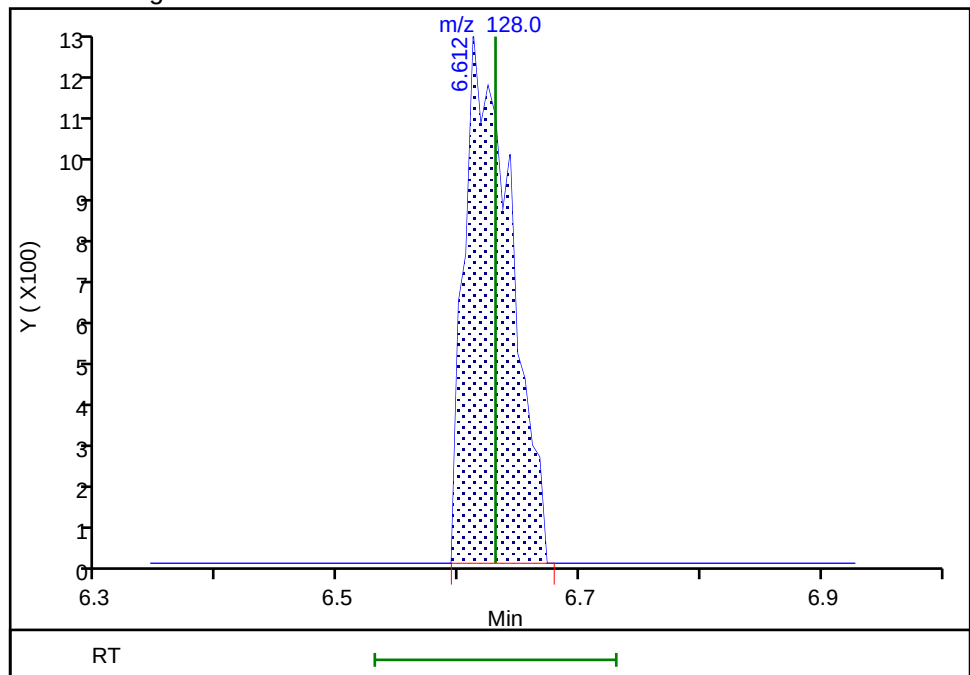
Not Detected

Expected RT: 6.63

Processing Integration Results



Manual Integration Results



RT: 6.61

Area: 3347

Amount: 0.940867

Amount Units: ug/l

Reviewer: campbellme, 10-Aug-2021 18:41:34

Audit Action: Assigned Compound ID

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

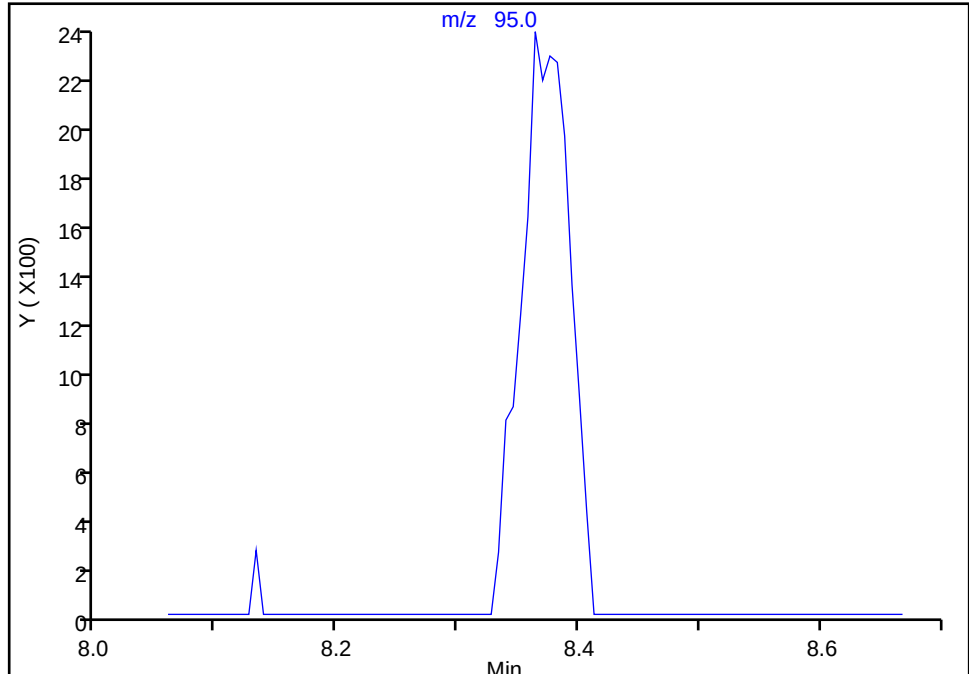
Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
Injection Date: 10-Aug-2021 14:49:30 Instrument ID: 7159
Lims ID: IC std1
Client ID:
Operator ID: jml01693 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_7159 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

67 Trichloroethene, CAS: 79-01-6

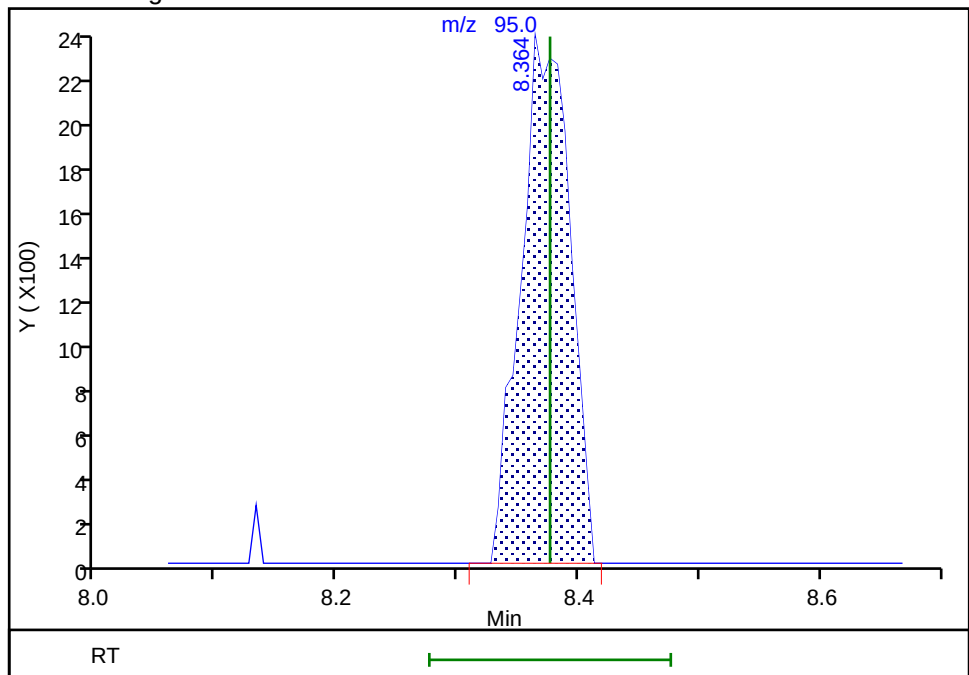
Signal: 1

Not Detected
Expected RT: 8.38

Processing Integration Results



Manual Integration Results



RT: 8.36
Area: 6717
Amount: 0.909206
Amount Units: ug/l

Reviewer: campbellme, 10-Aug-2021 18:41:46

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D

Injection Date: 10-Aug-2021 14:49:30

Instrument ID: 7159

Lims ID: IC std1

Client ID:

Operator ID: jml01693

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

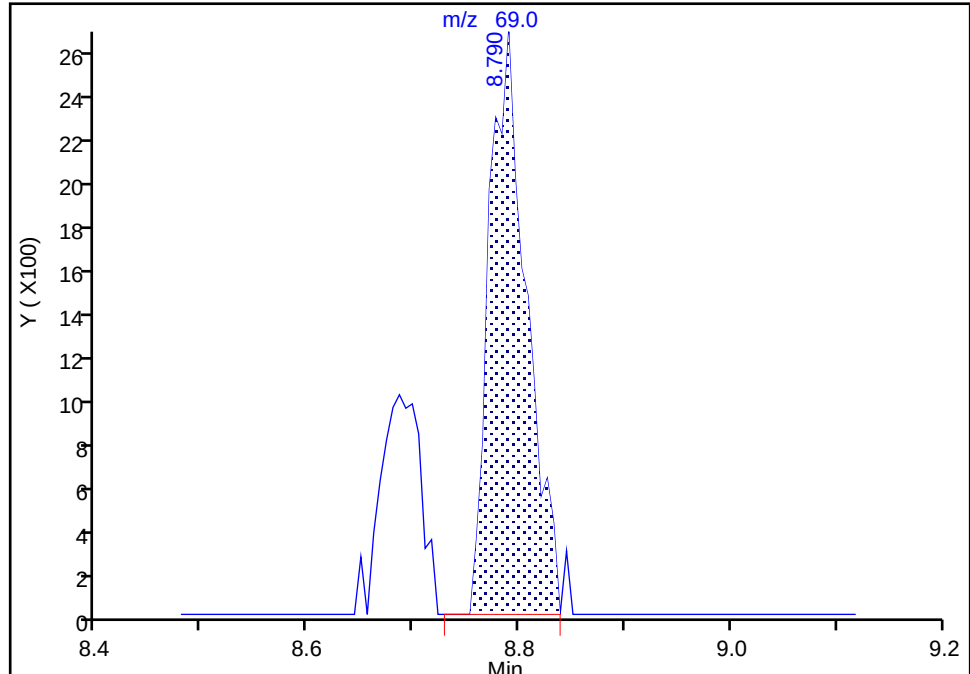
MS Quad

71 Methyl methacrylate, CAS: 80-62-6

Signal: 1

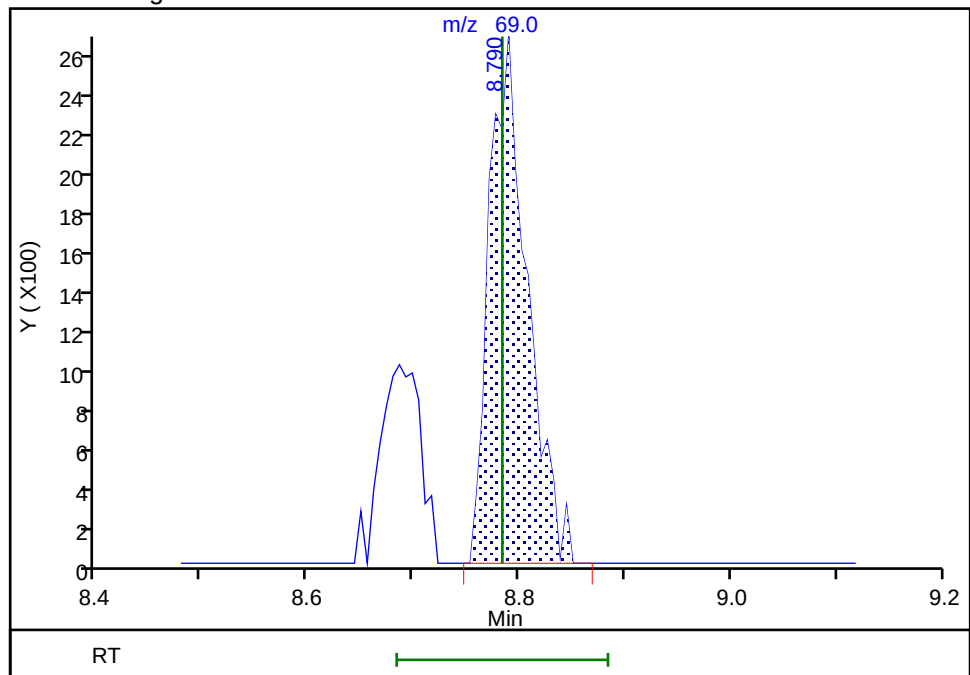
RT: 8.79
Area: 6546
Amount: 0.973981
Amount Units: ug/l

Processing Integration Results



RT: 8.79
Area: 6652
Amount: 0.987528
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:41:51

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Calibration

/ Dichlorodifluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

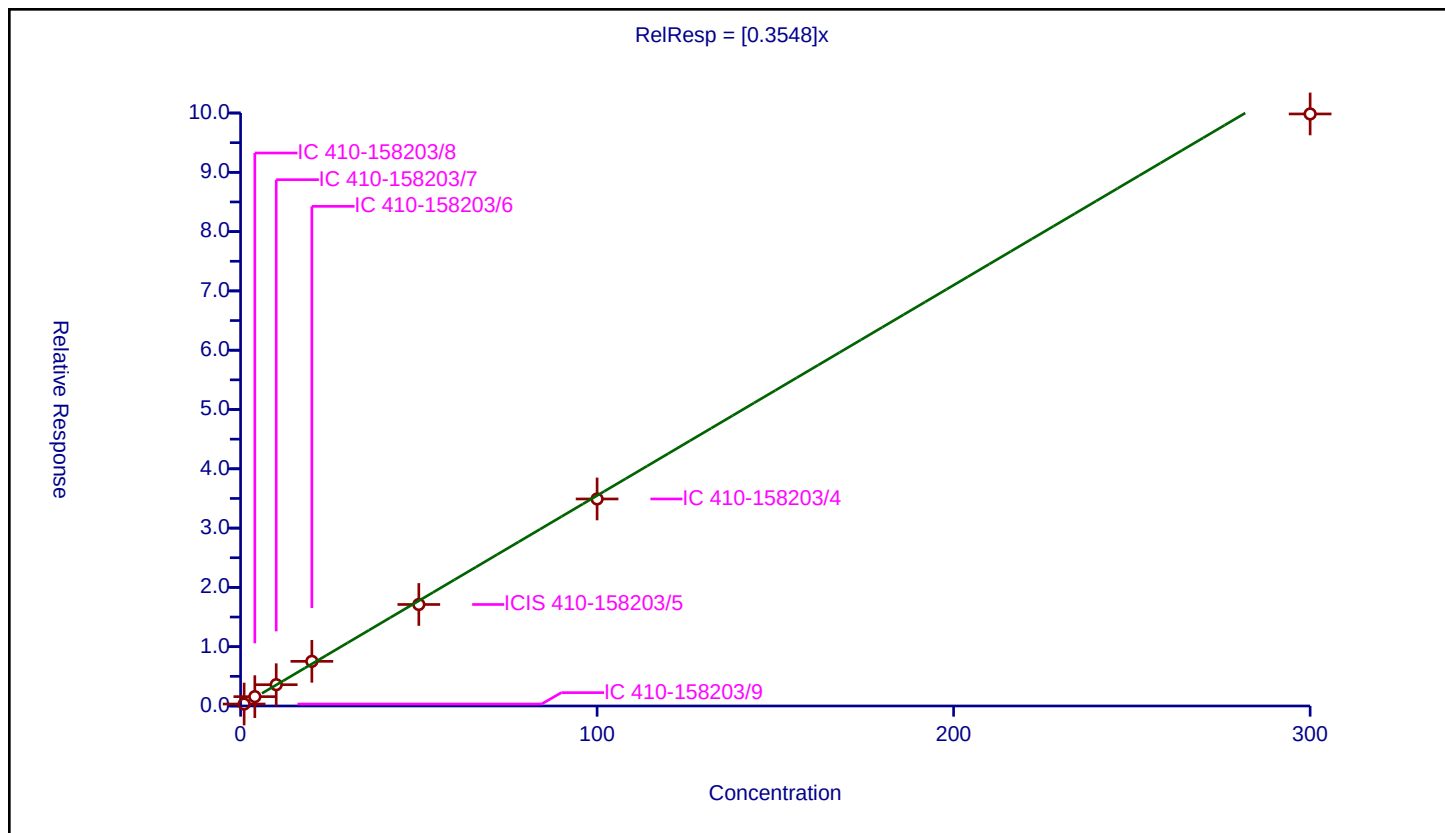
Curve Coefficients

Intercept: 0
 Slope: 0.3548

Error Coefficients

Standard Error: 995000
 Relative Standard Error: 6.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.32994	50.0	1110355.0	0.32994	Y
2	IC 410-158203/8	4.0	1.575625	50.0	1105720.0	0.393906	Y
3	IC 410-158203/7	10.0	3.59192	50.0	1097171.0	0.359192	Y
4	IC 410-158203/6	20.0	7.531162	50.0	1109988.0	0.376558	Y
5	ICIS 410-158203/5	50.0	17.118508	50.0	1121707.0	0.34237	Y
6	IC 410-158203/4	100.0	34.915229	50.0	1122725.0	0.349152	Y
7	IC 410-158203/3	300.0	99.842625	50.0	1136140.0	0.332809	Y



Calibration

/ Chloromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

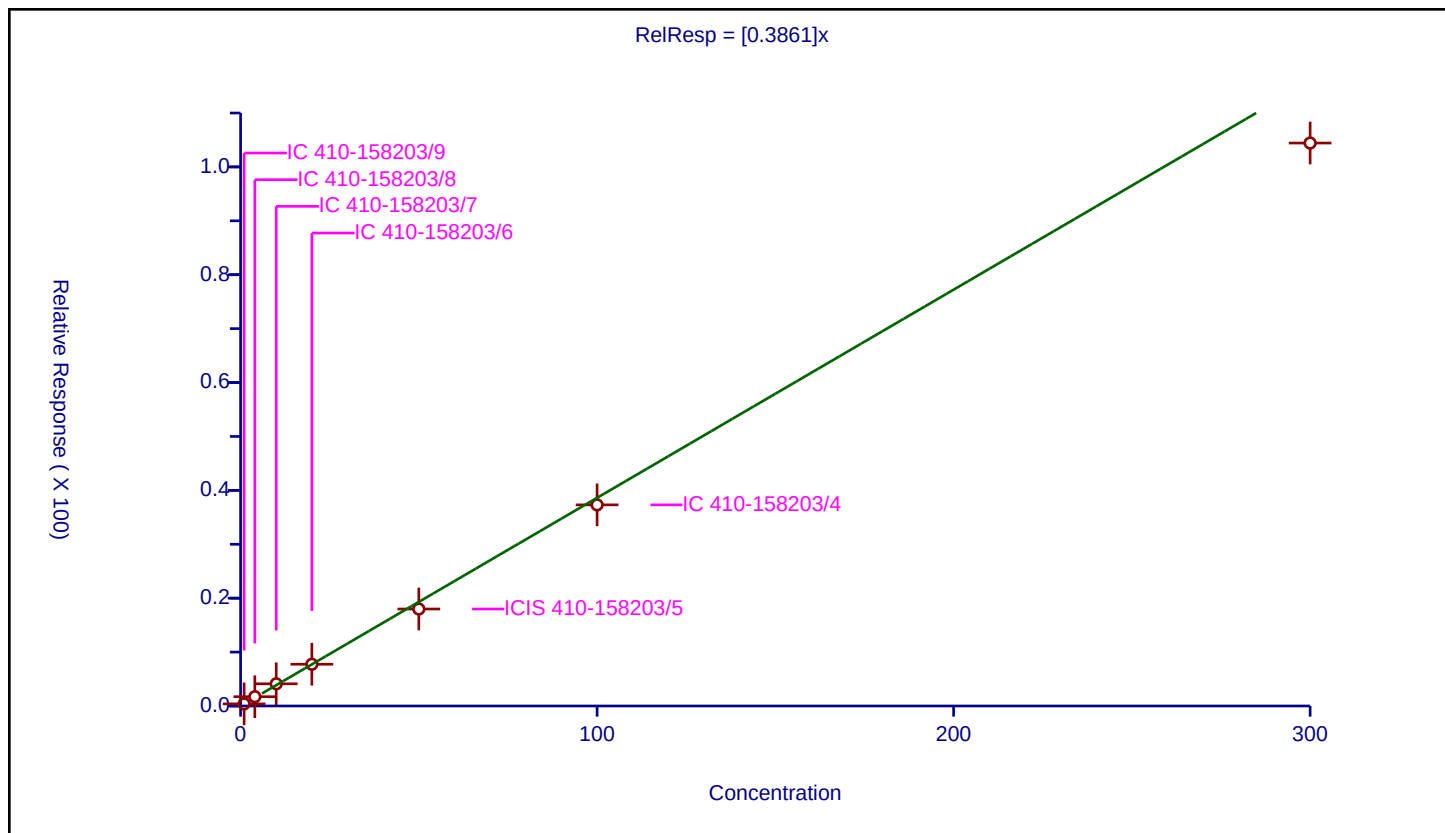
Curve Coefficients

Intercept: 0
 Slope: 0.3861

Error Coefficients

Standard Error: 1040000
 Relative Standard Error: 7.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.393388	50.0	1110355.0	0.393388	Y
2	IC 410-158203/8	4.0	1.720327	50.0	1105720.0	0.430082	Y
3	IC 410-158203/7	10.0	4.114035	50.0	1097171.0	0.411404	Y
4	IC 410-158203/6	20.0	7.742201	50.0	1109988.0	0.38711	Y
5	ICIS 410-158203/5	50.0	17.989368	50.0	1121707.0	0.359787	Y
6	IC 410-158203/4	100.0	37.311007	50.0	1122725.0	0.37311	Y
7	IC 410-158203/3	300.0	104.43	50.0	1136140.0	0.3481	Y



Calibration

/ Butadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

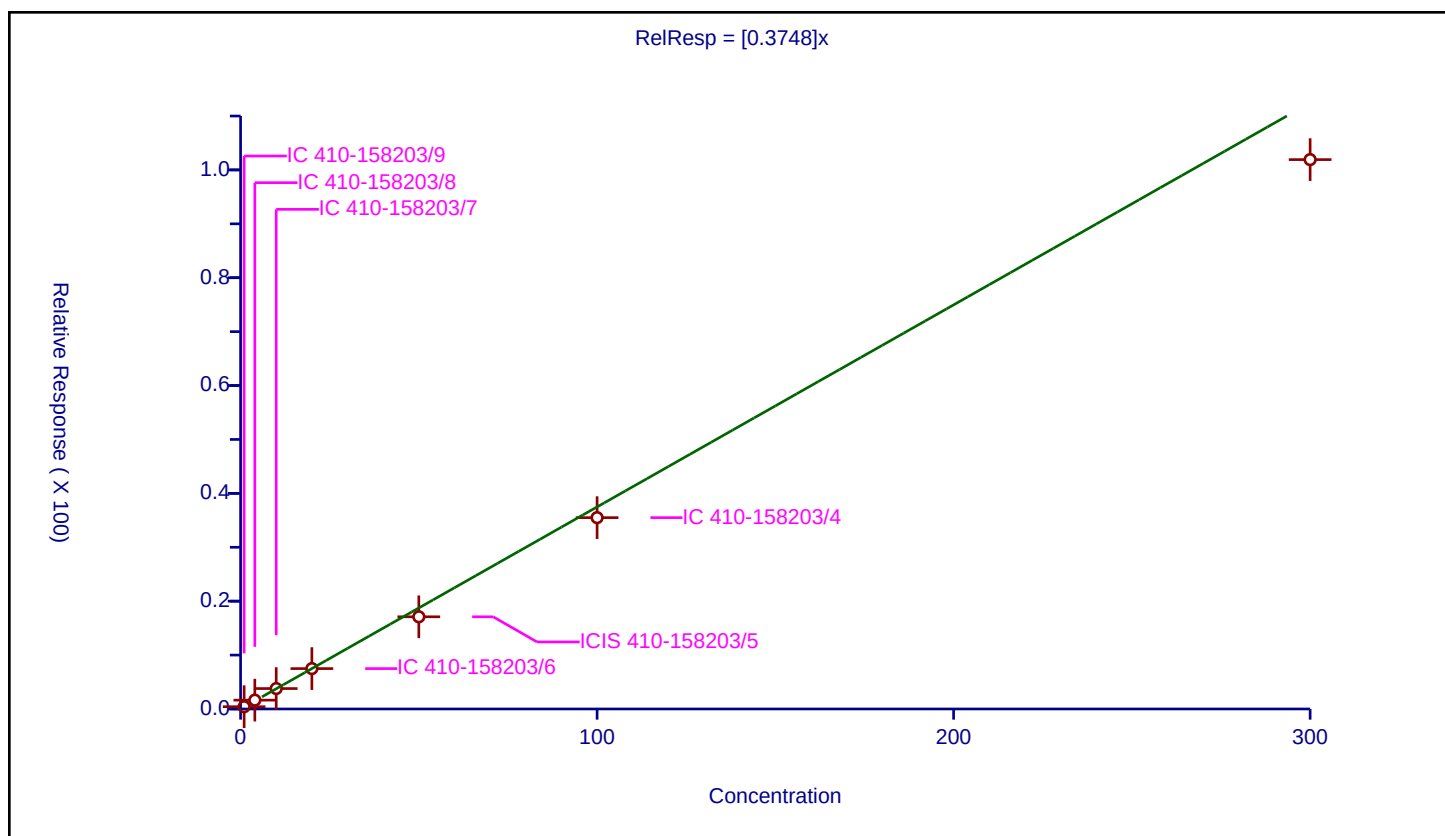
Curve Coefficients

Intercept: 0
Slope: 0.3748

Error Coefficients

Standard Error: 1010000
Relative Standard Error: 8.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.422928	50.0	1110355.0	0.422928	Y
2	IC 410-158203/8	4.0	1.64065	50.0	1105720.0	0.410163	Y
3	IC 410-158203/7	10.0	3.79362	50.0	1097171.0	0.379362	Y
4	IC 410-158203/6	20.0	7.491973	50.0	1109988.0	0.374599	Y
5	ICIS 410-158203/5	50.0	17.102684	50.0	1121707.0	0.342054	Y
6	IC 410-158203/4	100.0	35.498052	50.0	1122725.0	0.354981	Y
7	IC 410-158203/3	300.0	101.914025	50.0	1136140.0	0.339713	Y



Calibration

/ Vinyl chloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

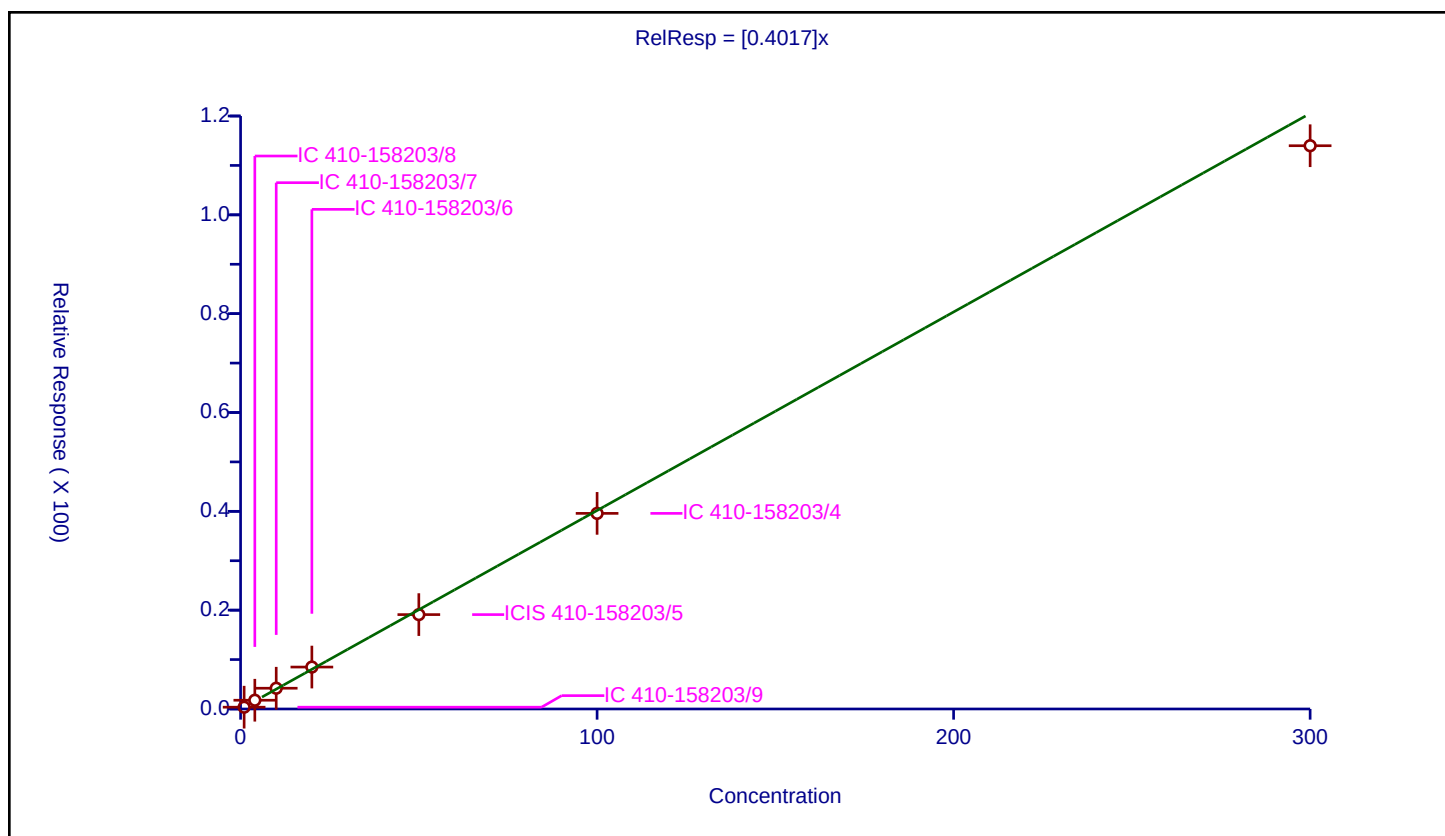
Curve Coefficients

Intercept: 0
 Slope: 0.4017

Error Coefficients

Standard Error: 1130000
 Relative Standard Error: 7.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.36673	50.0	1110355.0	0.36673	Y
2	IC 410-158203/8	4.0	1.772872	50.0	1105720.0	0.443218	Y
3	IC 410-158203/7	10.0	4.199026	50.0	1097171.0	0.419903	Y
4	IC 410-158203/6	20.0	8.487029	50.0	1109988.0	0.424351	Y
5	ICIS 410-158203/5	50.0	19.099506	50.0	1121707.0	0.38199	Y
6	IC 410-158203/4	100.0	39.585028	50.0	1122725.0	0.39585	Y
7	IC 410-158203/3	300.0	113.990837	50.0	1136140.0	0.379969	Y



Calibration

/ Bromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

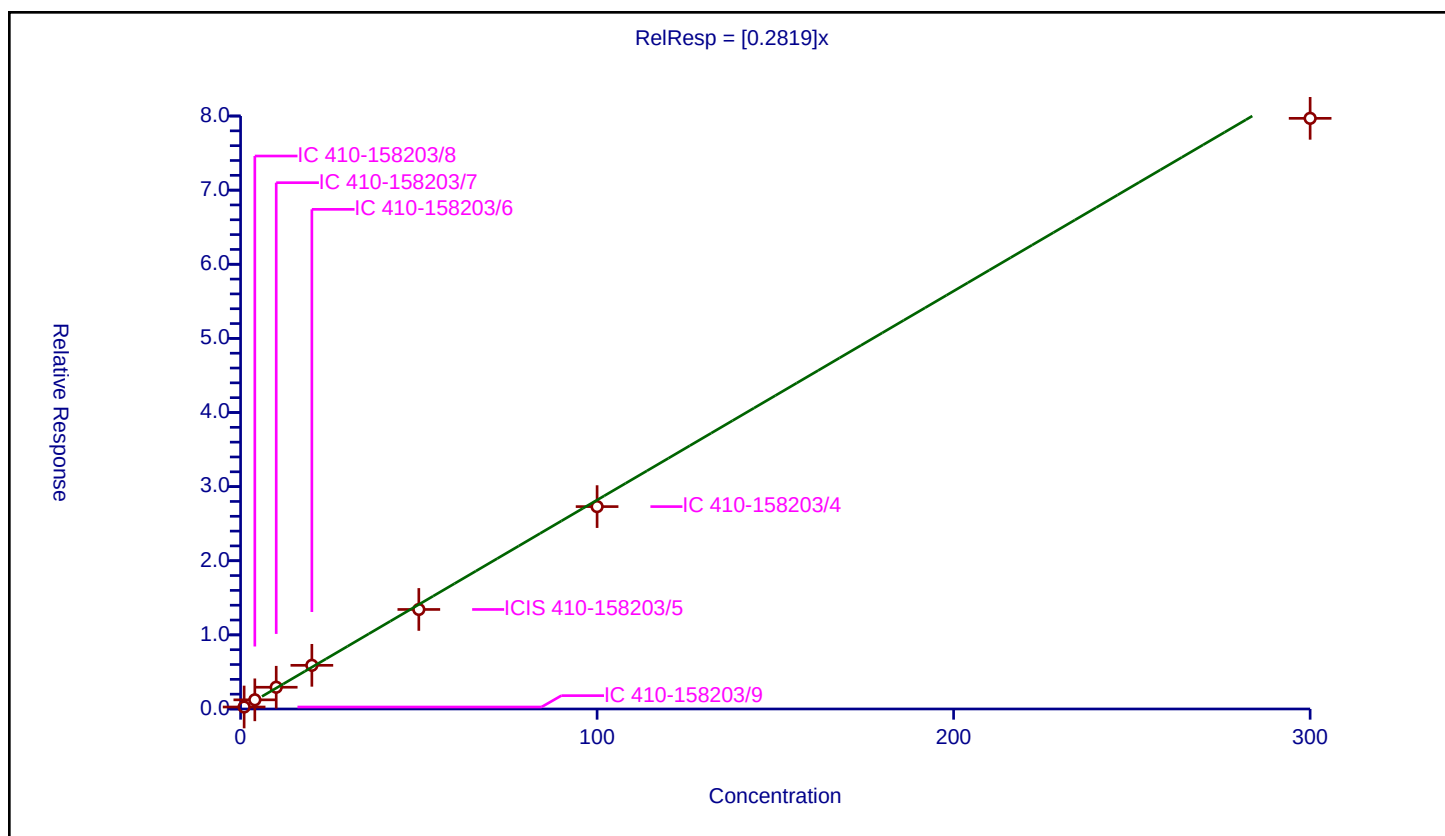
Curve Coefficients

Intercept: 0
 Slope: 0.2819

Error Coefficients

Standard Error: 792000
 Relative Standard Error: 6.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.268923	50.0	1110355.0	0.268923	Y
2	IC 410-158203/8	4.0	1.236886	50.0	1105720.0	0.309222	Y
3	IC 410-158203/7	10.0	2.934866	50.0	1097171.0	0.293487	Y
4	IC 410-158203/6	20.0	5.890199	50.0	1109988.0	0.29451	Y
5	ICIS 410-158203/5	50.0	13.426947	50.0	1121707.0	0.268539	Y
6	IC 410-158203/4	100.0	27.303525	50.0	1122725.0	0.273035	Y
7	IC 410-158203/3	300.0	79.687627	50.0	1136140.0	0.265625	Y



Calibration

/ Chloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

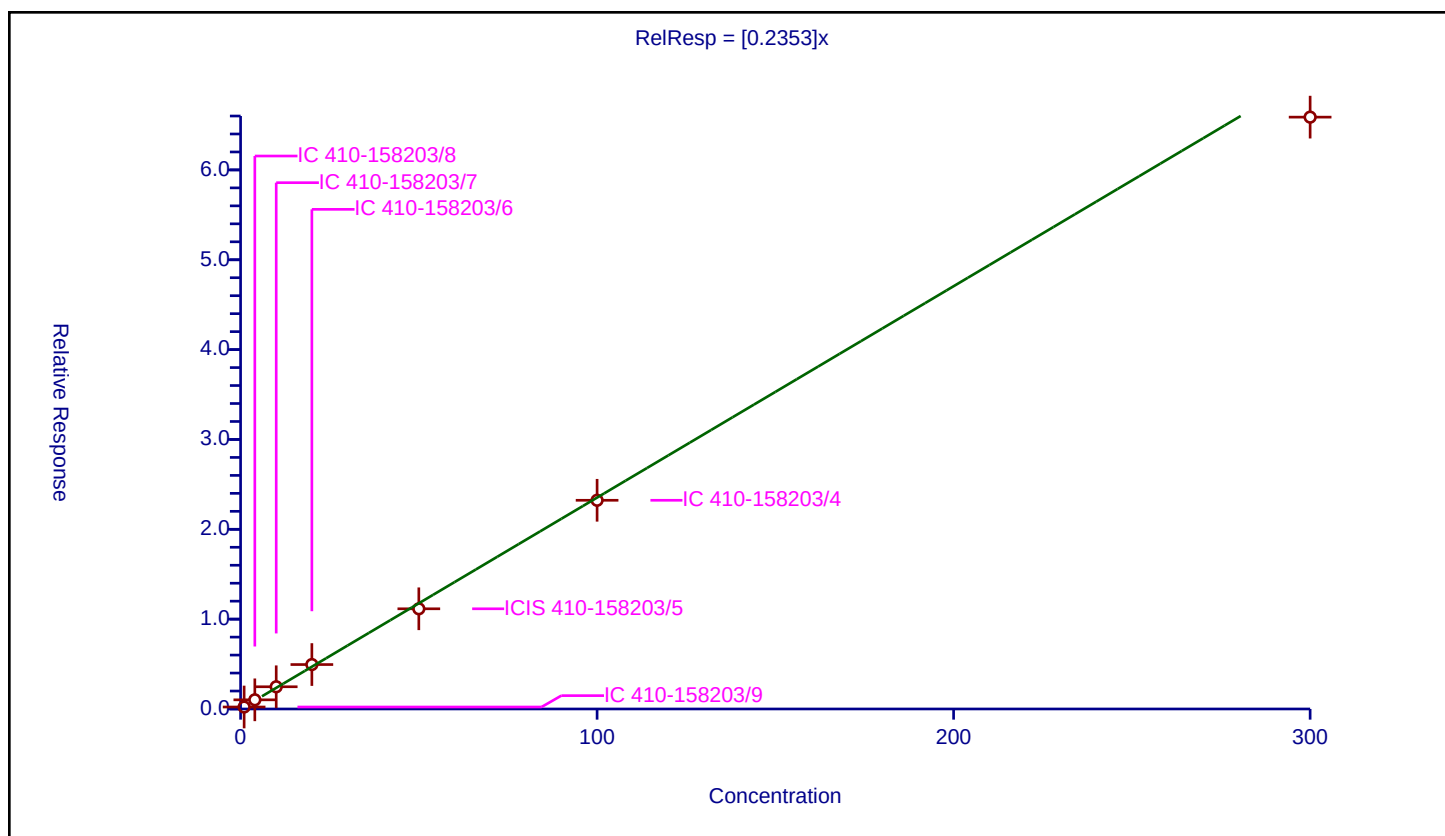
Curve Coefficients

Intercept: 0
Slope: 0.2353

Error Coefficients

Standard Error: 657000
Relative Standard Error: 6.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.222226	50.0	1110355.0	0.222226	Y
2	IC 410-158203/8	4.0	1.020602	50.0	1105720.0	0.25515	Y
3	IC 410-158203/7	10.0	2.472404	50.0	1097171.0	0.24724	Y
4	IC 410-158203/6	20.0	4.947576	50.0	1109988.0	0.247379	Y
5	ICIS 410-158203/5	50.0	11.153715	50.0	1121707.0	0.223074	Y
6	IC 410-158203/4	100.0	23.230533	50.0	1122725.0	0.232305	Y
7	IC 410-158203/3	300.0	65.875068	50.0	1136140.0	0.219584	Y



Calibration

/ Dichlorofluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

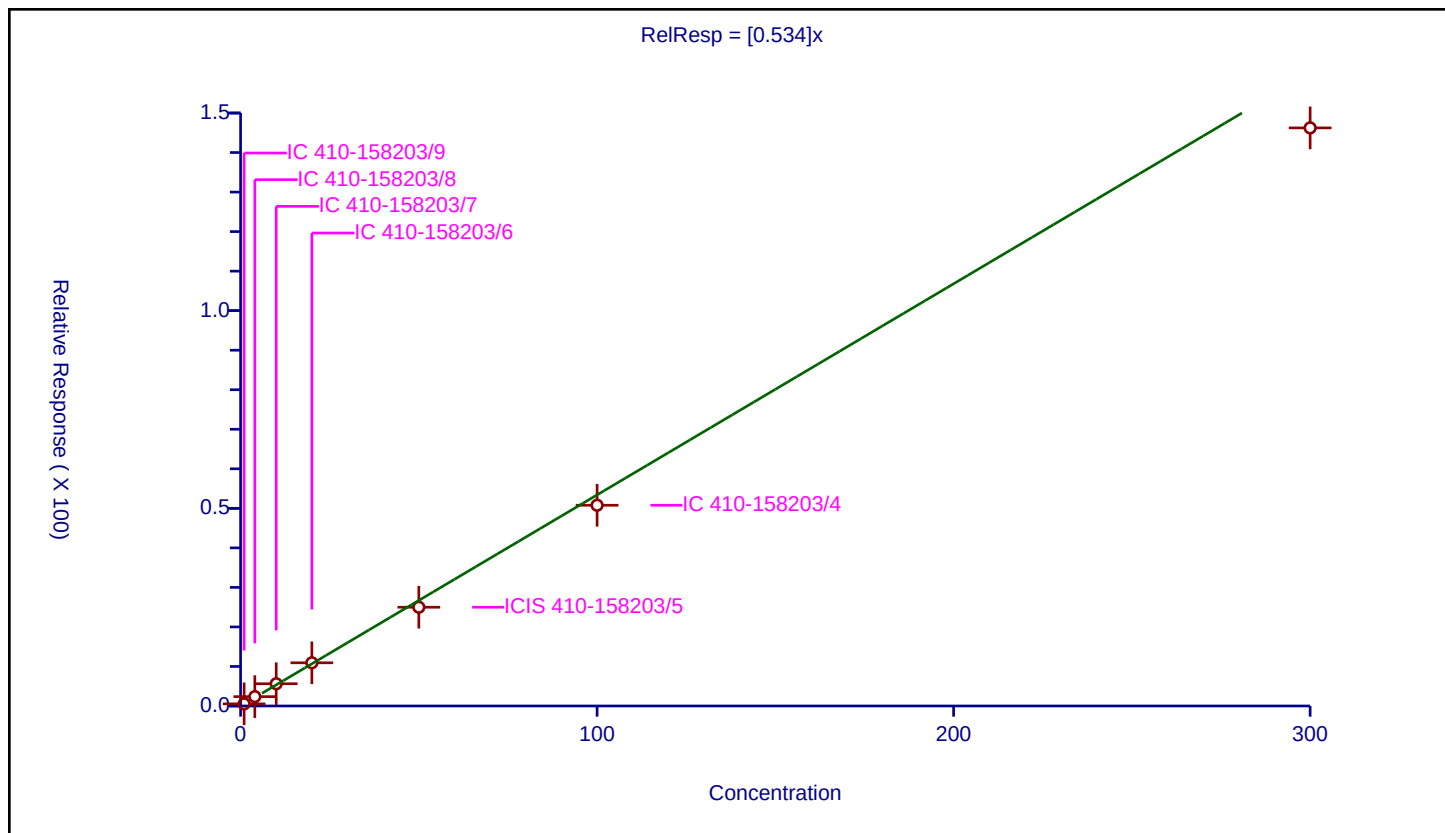
Curve Coefficients

Intercept: 0
 Slope: 0.534

Error Coefficients

Standard Error: 1460000
 Relative Standard Error: 7.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.542529	50.0	1110355.0	0.542529	Y
2	IC 410-158203/8	4.0	2.367507	50.0	1105720.0	0.591877	Y
3	IC 410-158203/7	10.0	5.628521	50.0	1097171.0	0.562852	Y
4	IC 410-158203/6	20.0	10.921379	50.0	1109988.0	0.546069	Y
5	ICIS 410-158203/5	50.0	24.982727	50.0	1121707.0	0.499655	Y
6	IC 410-158203/4	100.0	50.775435	50.0	1122725.0	0.507754	Y
7	IC 410-158203/3	300.0	146.233123	50.0	1136140.0	0.487444	Y



Calibration

/ Trichlorofluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

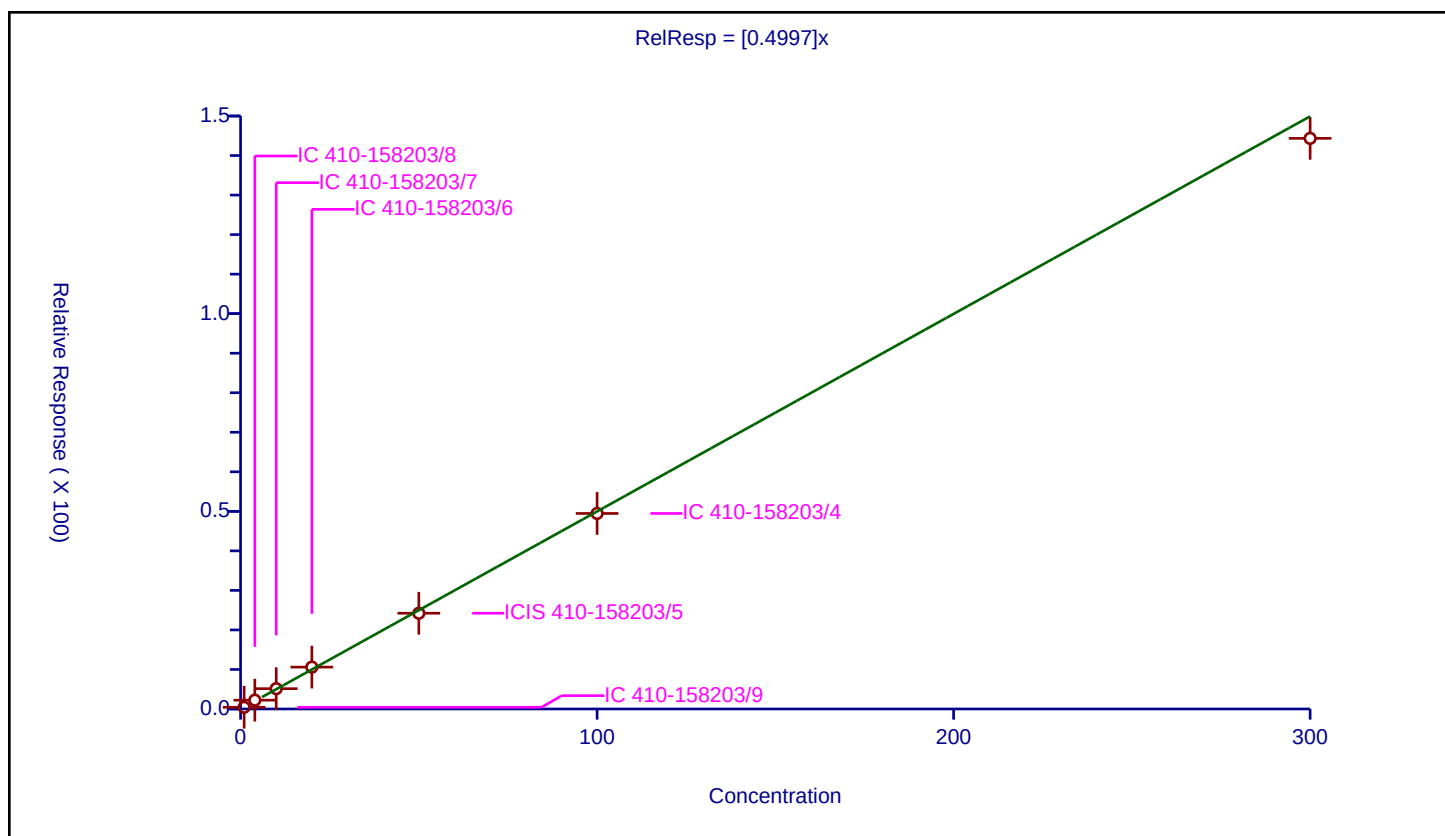
Curve Coefficients

Intercept: 0
 Slope: 0.4997

Error Coefficients

Standard Error: 1440000
 Relative Standard Error: 7.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.437293	50.0	1110355.0	0.437293	Y
2	IC 410-158203/8	4.0	2.228367	50.0	1105720.0	0.557092	Y
3	IC 410-158203/7	10.0	5.138032	50.0	1097171.0	0.513803	Y
4	IC 410-158203/6	20.0	10.593718	50.0	1109988.0	0.529686	Y
5	ICIS 410-158203/5	50.0	24.217242	50.0	1121707.0	0.484345	Y
6	IC 410-158203/4	100.0	49.46563	50.0	1122725.0	0.494656	Y
7	IC 410-158203/3	300.0	144.344315	50.0	1136140.0	0.481148	Y



Calibration

/ Pentane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

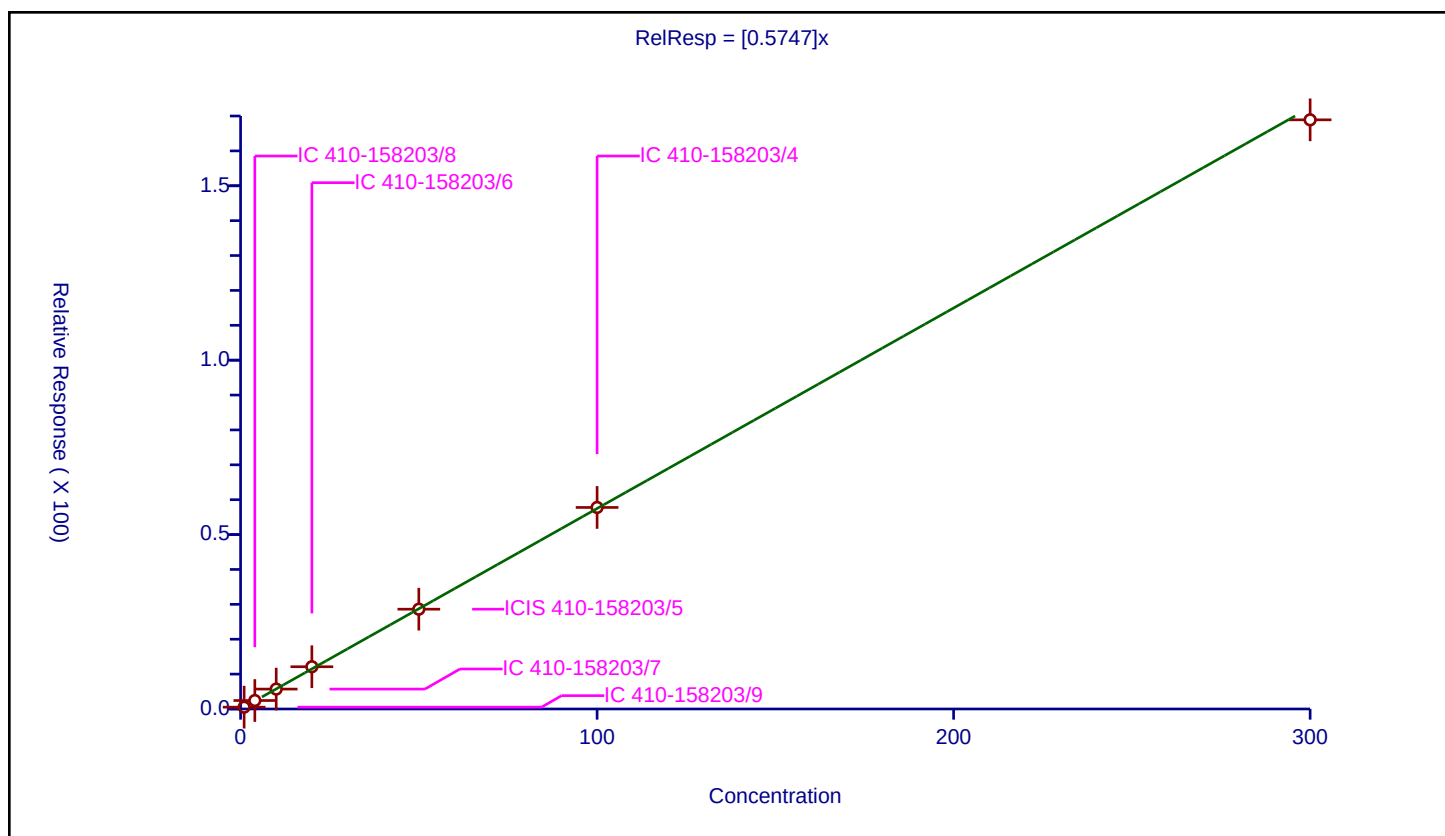
Curve Coefficients

Intercept: 0
 Slope: 0.5747

Error Coefficients

Standard Error: 1680000
 Relative Standard Error: 4.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.526453	50.0	1110355.0	0.526453	Y
2	IC 410-158203/8	4.0	2.428101	50.0	1105720.0	0.607025	Y
3	IC 410-158203/7	10.0	5.708044	50.0	1097171.0	0.570804	Y
4	IC 410-158203/6	20.0	12.116978	50.0	1109988.0	0.605849	Y
5	ICIS 410-158203/5	50.0	28.613221	50.0	1121707.0	0.572264	Y
6	IC 410-158203/4	100.0	57.778129	50.0	1122725.0	0.577781	Y
7	IC 410-158203/3	300.0	168.904932	50.0	1136140.0	0.563016	Y



Calibration

/ Ethanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

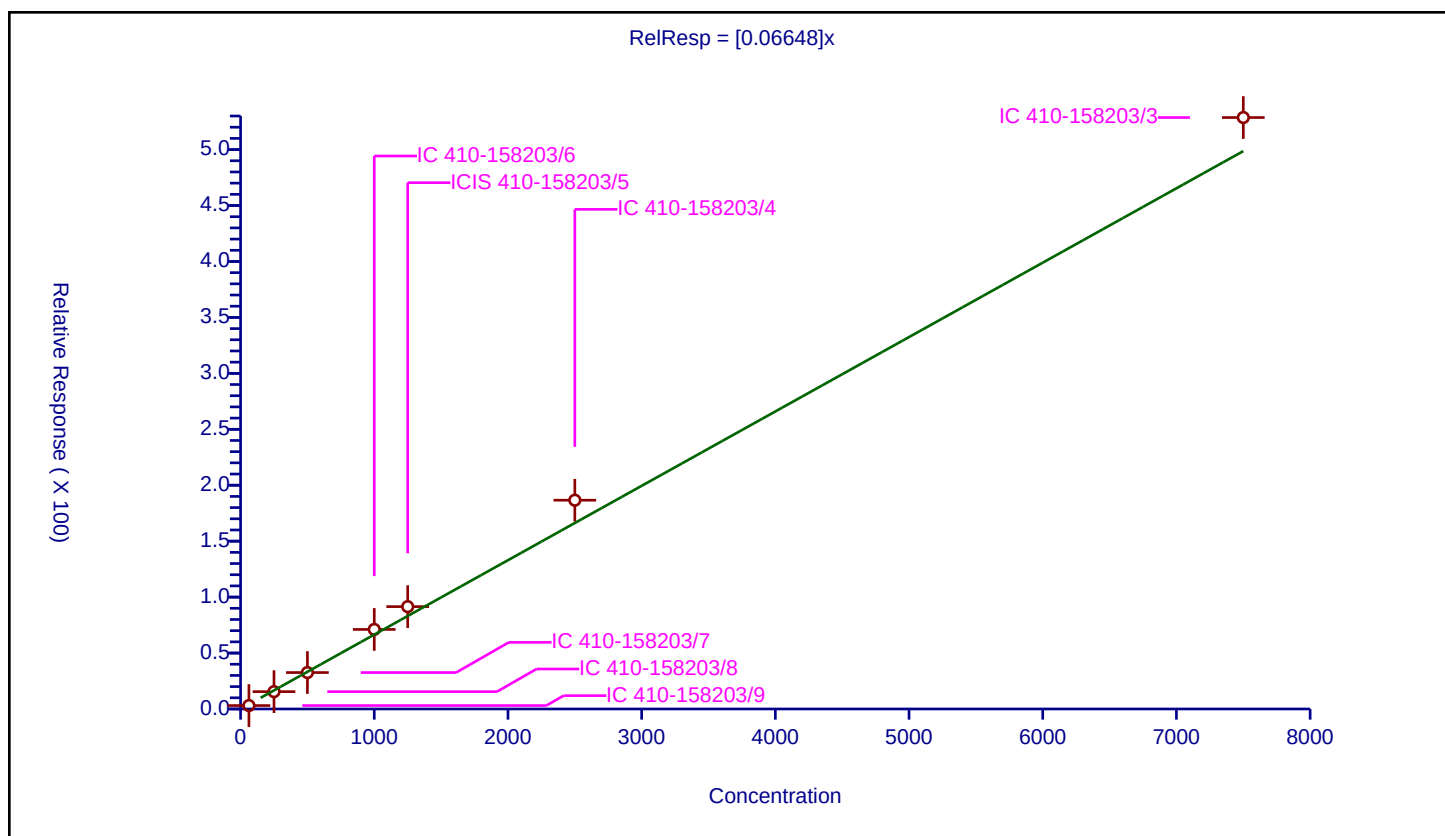
Curve Coefficients

Intercept: 0
 Slope: 0.06648

Error Coefficients

Standard Error: 239000
 Relative Standard Error: 13.5
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	62.50201	3.051053	250.0	299159.0	0.048815	Y
2	IC 410-158203/8	250.00804	15.507427	250.0	295826.0	0.062028	Y
3	IC 410-158203/7	500.01608	32.56924	250.0	302210.0	0.065136	Y
4	IC 410-158203/6	1000.03216	71.10219	250.0	286475.0	0.0711	Y
5	ICIS 410-158203/5	1250.0402	91.484296	250.0	310403.0	0.073185	Y
6	IC 410-158203/4	2500.0804	186.605931	250.0	268925.0	0.07464	Y
7	IC 410-158203/3	7500.2412	528.635417	250.0	251498.0	0.070482	Y



Calibration

/ 1,2-Dichloro-1,1,2-trifluoroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

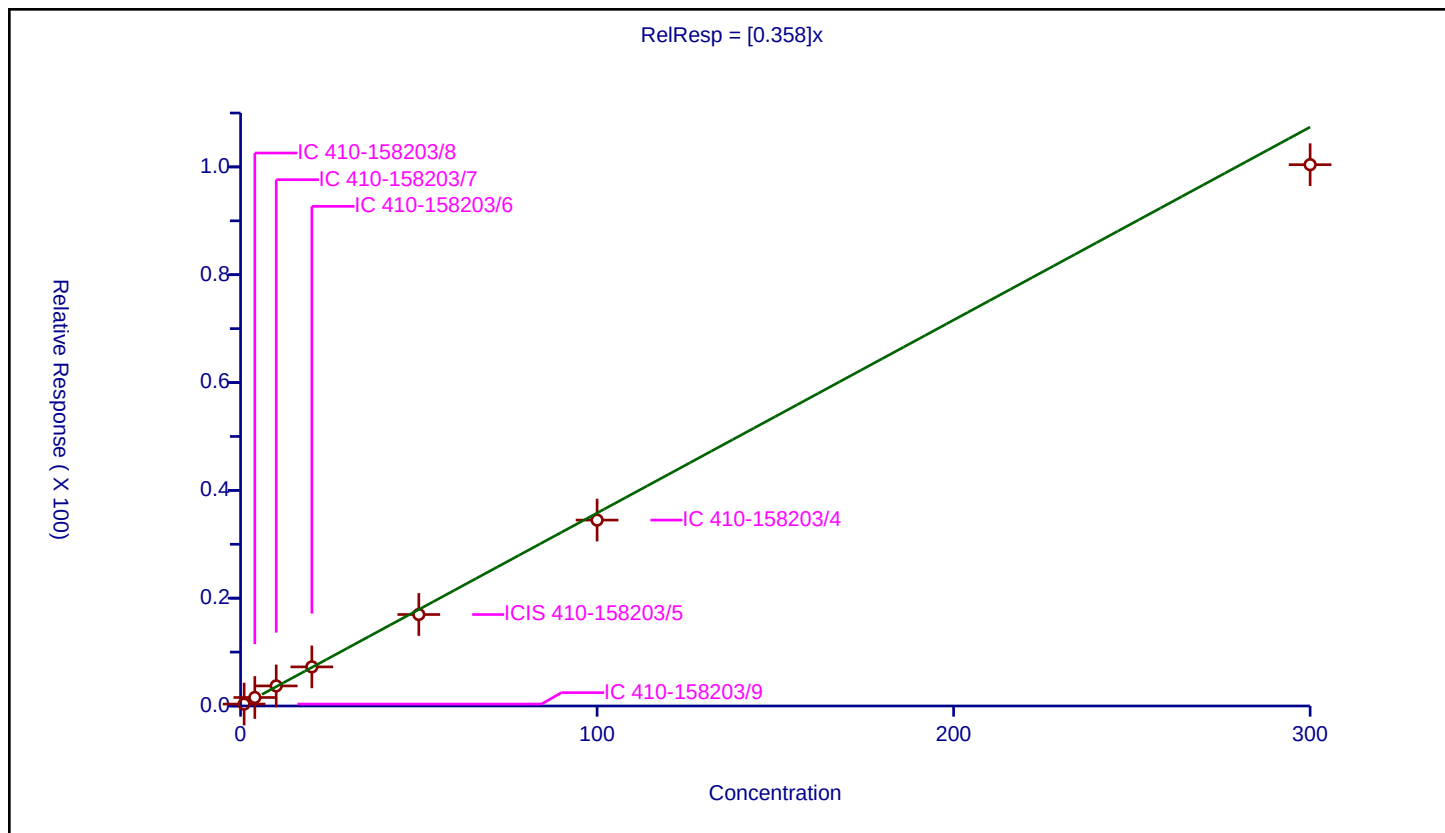
Curve Coefficients

Intercept: 0
Slope: 0.358

Error Coefficients

Standard Error: 999000
Relative Standard Error: 5.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.357904	50.0	1110355.0	0.357904	Y
2	IC 410-158203/8	4.0	1.575173	50.0	1105720.0	0.393793	Y
3	IC 410-158203/7	10.0	3.724488	50.0	1097171.0	0.372449	Y
4	IC 410-158203/6	20.0	7.252646	50.0	1109988.0	0.362632	Y
5	ICIS 410-158203/5	50.0	16.971767	50.0	1121707.0	0.339435	Y
6	IC 410-158203/4	100.0	34.485382	50.0	1122725.0	0.344854	Y
7	IC 410-158203/3	300.0	100.417334	50.0	1136140.0	0.334724	Y



Calibration

/ Acrolein

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

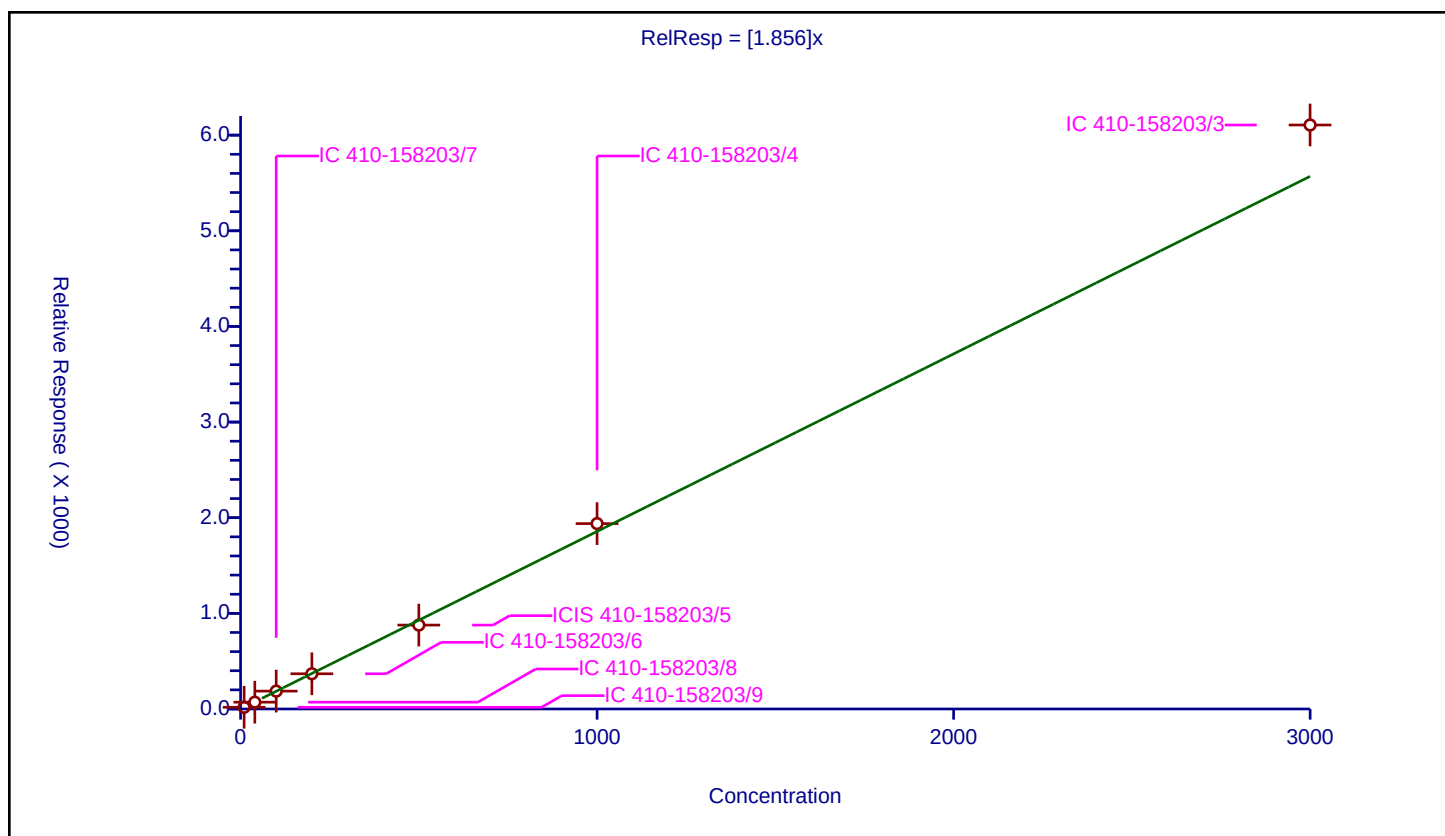
Curve Coefficients

Intercept: 0
Slope: 1.856

Error Coefficients

Standard Error: 2690000
Relative Standard Error: 5.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	9.999702	17.733045	250.0	299159.0	1.773357	Y
2	IC 410-158203/8	39.998806	71.364586	250.0	295826.0	1.784168	Y
3	IC 410-158203/7	99.997016	186.817941	250.0	302210.0	1.868235	Y
4	IC 410-158203/6	199.994031	368.115019	250.0	286475.0	1.84063	Y
5	ICIS 410-158203/5	499.985078	877.292584	250.0	310403.0	1.754638	Y
6	IC 410-158203/4	999.970155	1938.275542	250.0	268925.0	1.938333	Y
7	IC 410-158203/3	2999.910466	6105.956111	250.0	251498.0	2.035379	Y



Calibration

/ 1,1-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

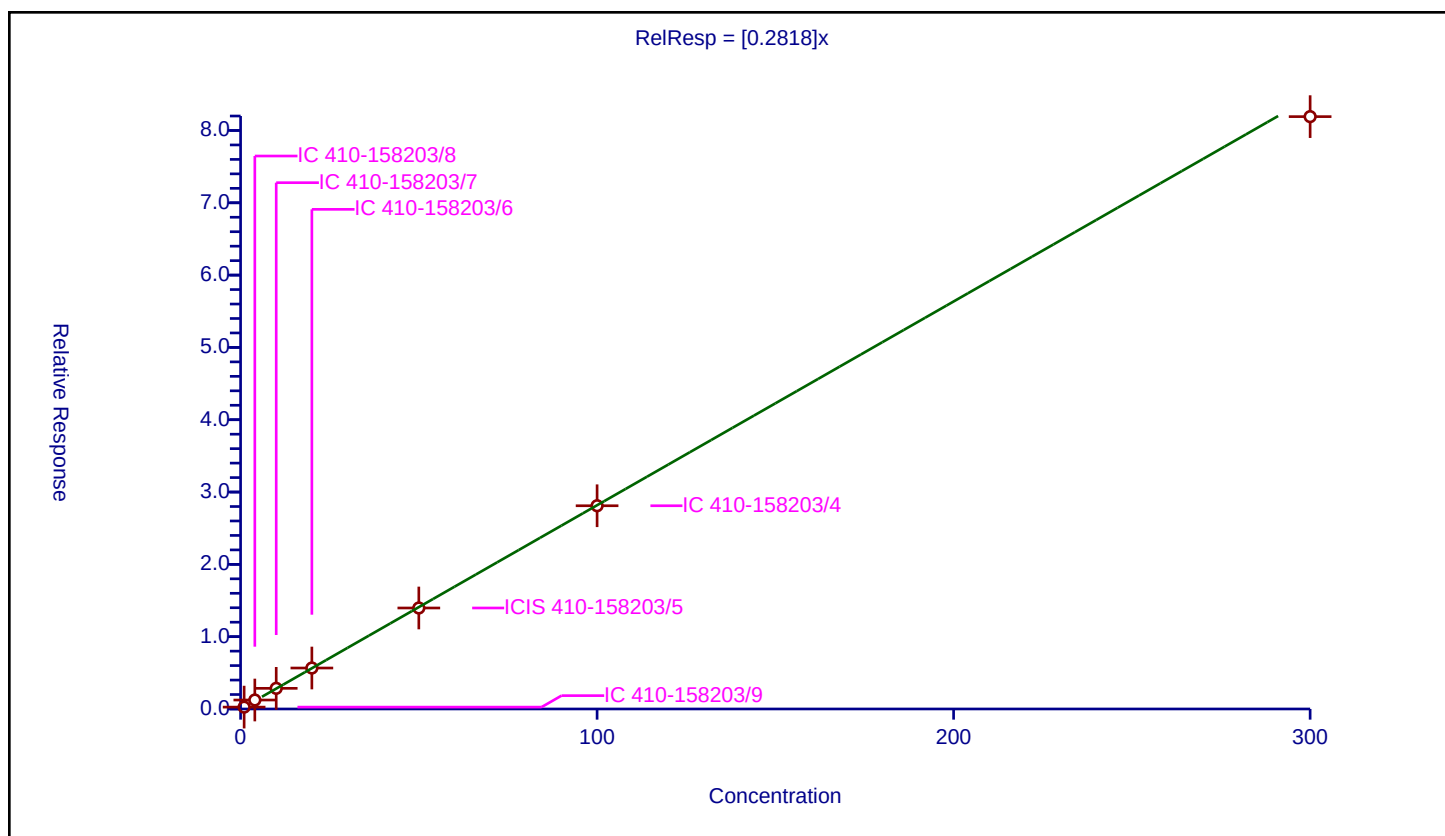
Curve Coefficients

Intercept: 0
Slope: 0.2818

Error Coefficients

Standard Error: 815000
Relative Standard Error: 5.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.259827	50.0	1110355.0	0.259827	Y
2	IC 410-158203/8	4.0	1.240278	50.0	1105720.0	0.310069	Y
3	IC 410-158203/7	10.0	2.857622	50.0	1097171.0	0.285762	Y
4	IC 410-158203/6	20.0	5.665196	50.0	1109988.0	0.28326	Y
5	ICIS 410-158203/5	50.0	13.96559	50.0	1121707.0	0.279312	Y
6	IC 410-158203/4	100.0	28.104433	50.0	1122725.0	0.281044	Y
7	IC 410-158203/3	300.0	81.916929	50.0	1136140.0	0.273056	Y



Calibration

/ Acetone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

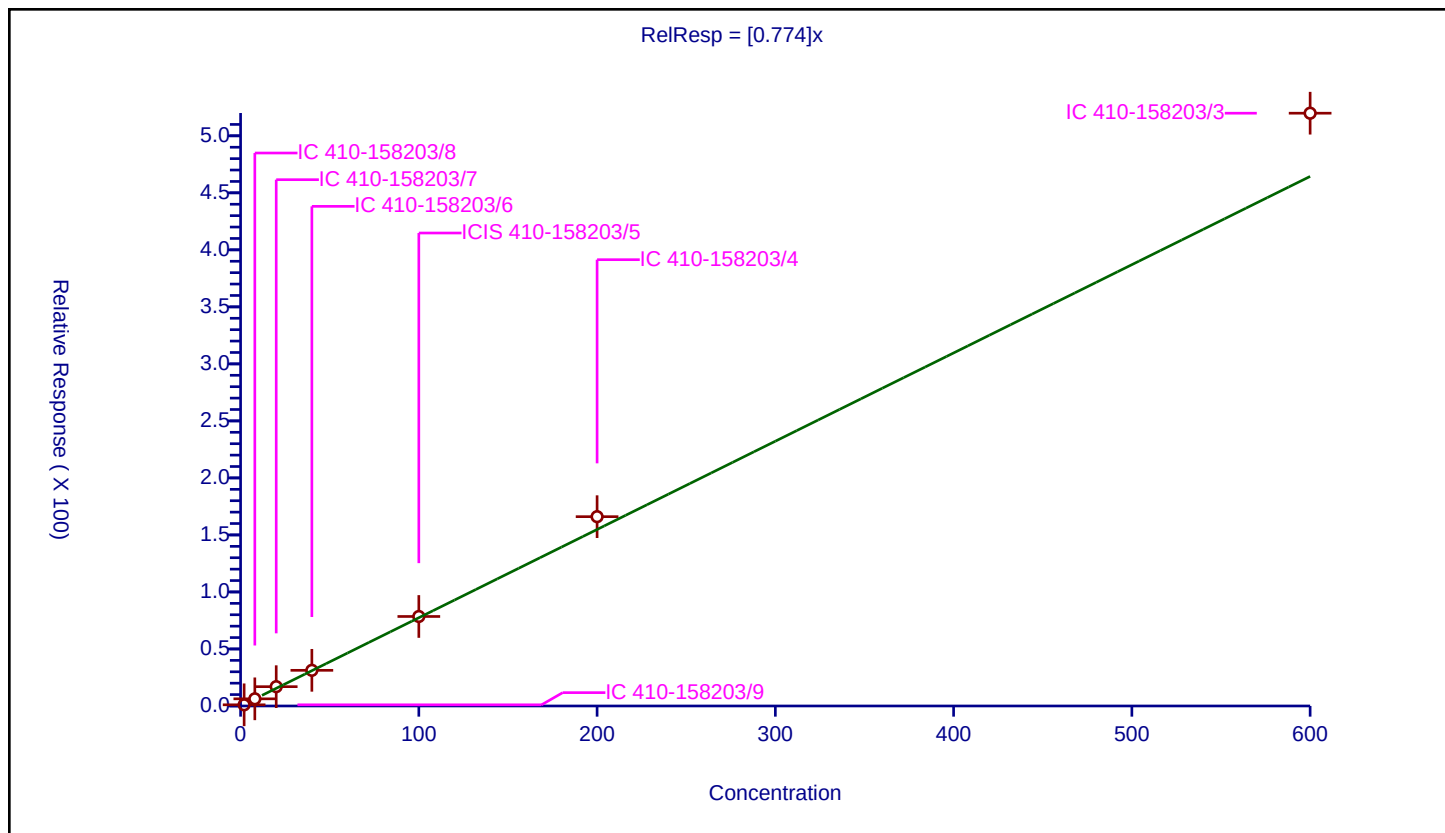
Curve Coefficients

Intercept: 0
 Slope: 0.774

Error Coefficients

Standard Error: 230000
 Relative Standard Error: 15.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	2.0	1.045431	250.0	299159.0	0.522715	Y
2	IC 410-158203/8	8.0	6.274803	250.0	295826.0	0.78435	Y
3	IC 410-158203/7	20.0	16.951788	250.0	302210.0	0.847589	Y
4	IC 410-158203/6	40.0	31.27149	250.0	286475.0	0.781787	Y
5	ICIS 410-158203/5	100.0	78.49312	250.0	310403.0	0.784931	Y
6	IC 410-158203/4	200.0	166.030492	250.0	268925.0	0.830152	Y
7	IC 410-158203/3	600.0	519.831172	250.0	251498.0	0.866385	Y



Calibration

/ 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

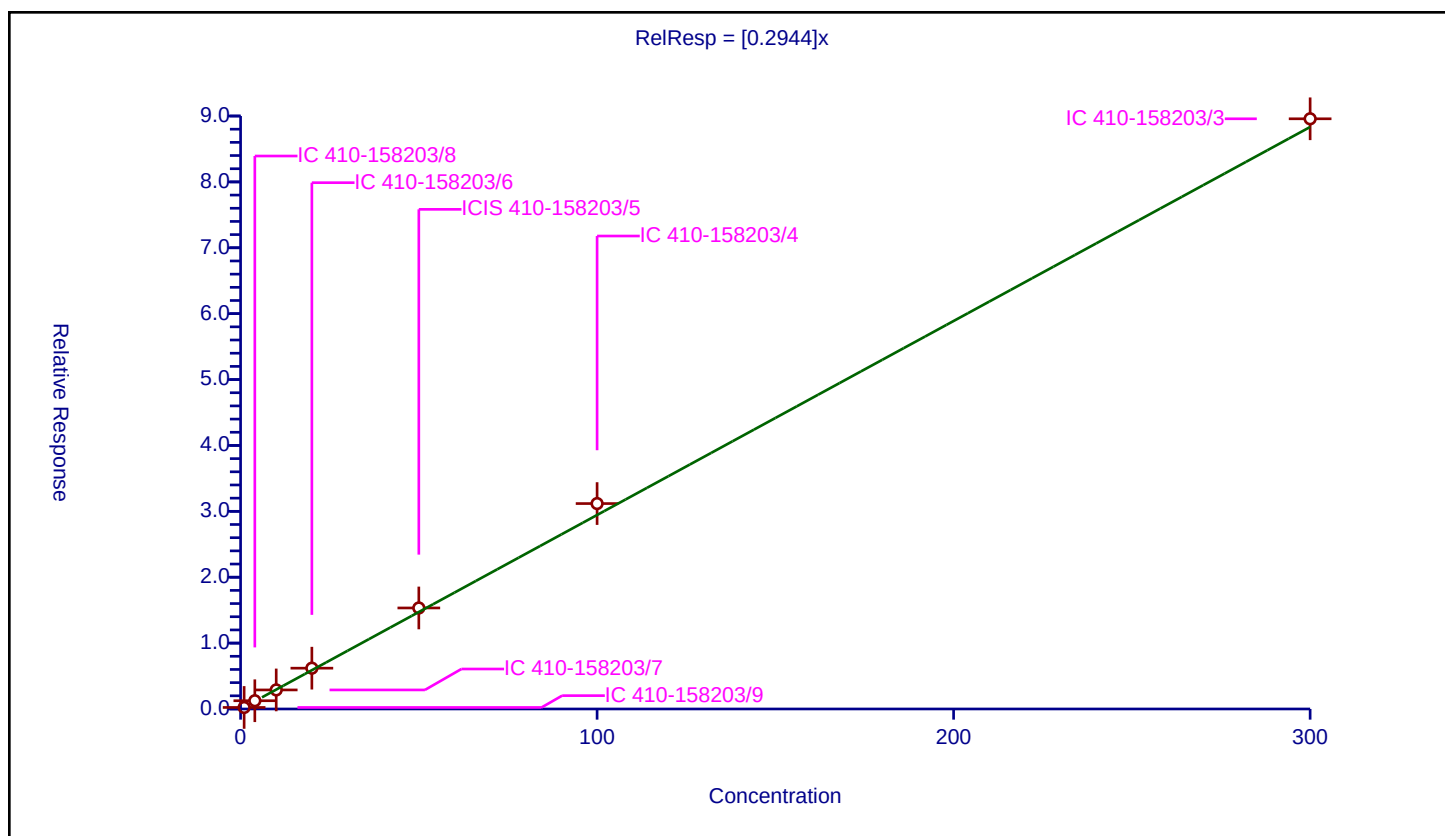
Curve Coefficients

Intercept: 0
Slope: 0.2944

Error Coefficients

Standard Error: 892000
Relative Standard Error: 9.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.231548	50.0	1110355.0	0.231548	Y
2	IC 410-158203/8	4.0	1.253437	50.0	1105720.0	0.313359	Y
3	IC 410-158203/7	10.0	2.893852	50.0	1097171.0	0.289385	Y
4	IC 410-158203/6	20.0	6.196238	50.0	1109988.0	0.309812	Y
5	ICIS 410-158203/5	50.0	15.332079	50.0	1121707.0	0.306642	Y
6	IC 410-158203/4	100.0	31.178205	50.0	1122725.0	0.311782	Y
7	IC 410-158203/3	300.0	89.579893	50.0	1136140.0	0.2986	Y



Calibration

/ Isopropyl alcohol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

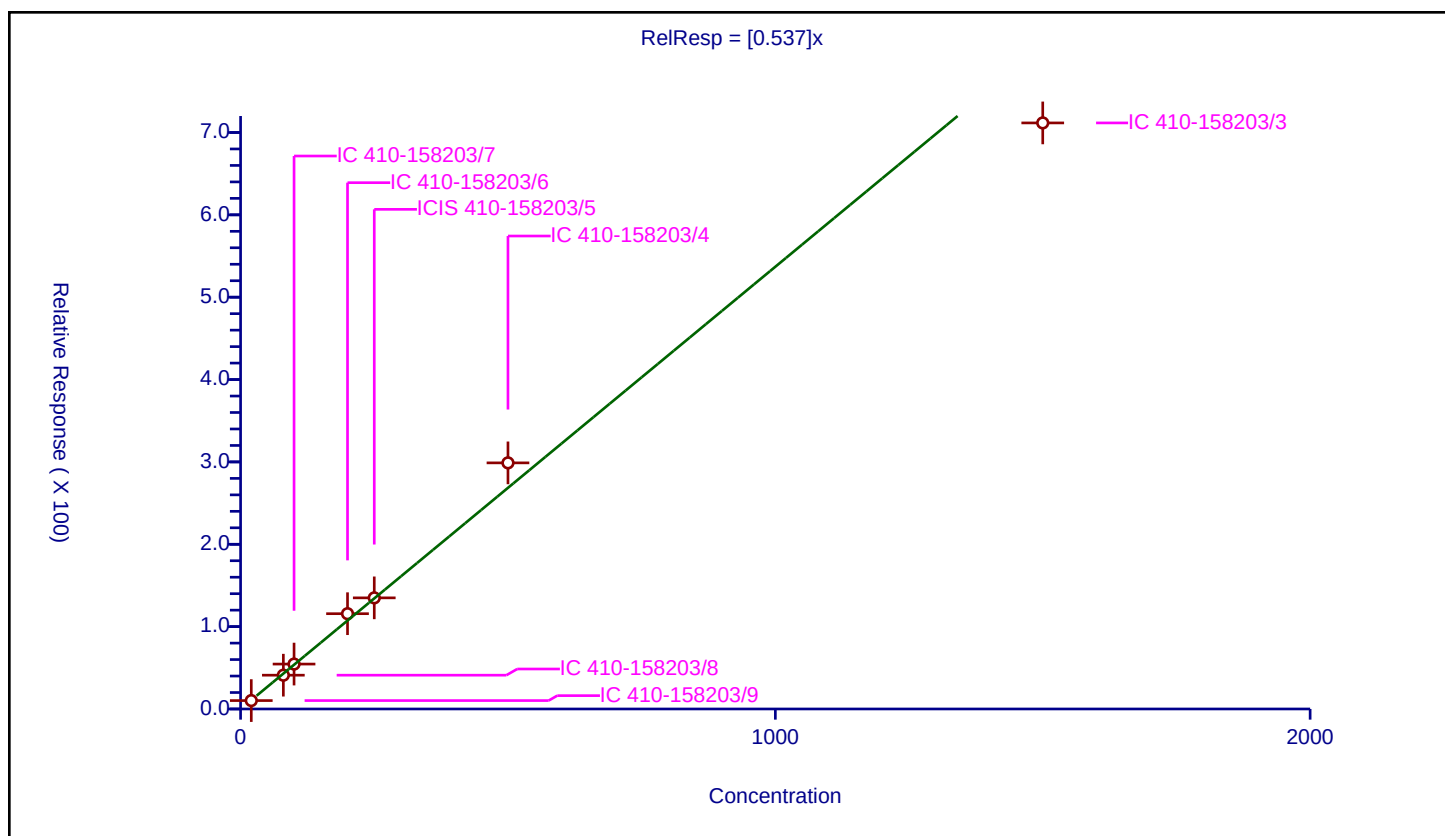
Curve Coefficients

Intercept: 0
Slope: 0.537

Error Coefficients

Standard Error: 333000
Relative Standard Error: 7.9
Correlation Coefficient: 0.986
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	20.0	10.203604	250.0	299159.0	0.51018	Y
2	IC 410-158203/8	80.0	41.037637	250.0	295826.0	0.51297	Y
3	IC 410-158203/7	100.0	54.536581	250.0	302210.0	0.545366	Y
4	IC 410-158203/6	200.0	115.709922	250.0	286475.0	0.57855	Y
5	ICIS 410-158203/5	250.0	134.935068	250.0	310403.0	0.53974	Y
6	IC 410-158203/4	500.0	298.858418	250.0	268925.0	0.597717	Y
7	IC 410-158203/3	1500.0	711.621961	250.0	251498.0	0.474415	Y



Calibration

/ Iodomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

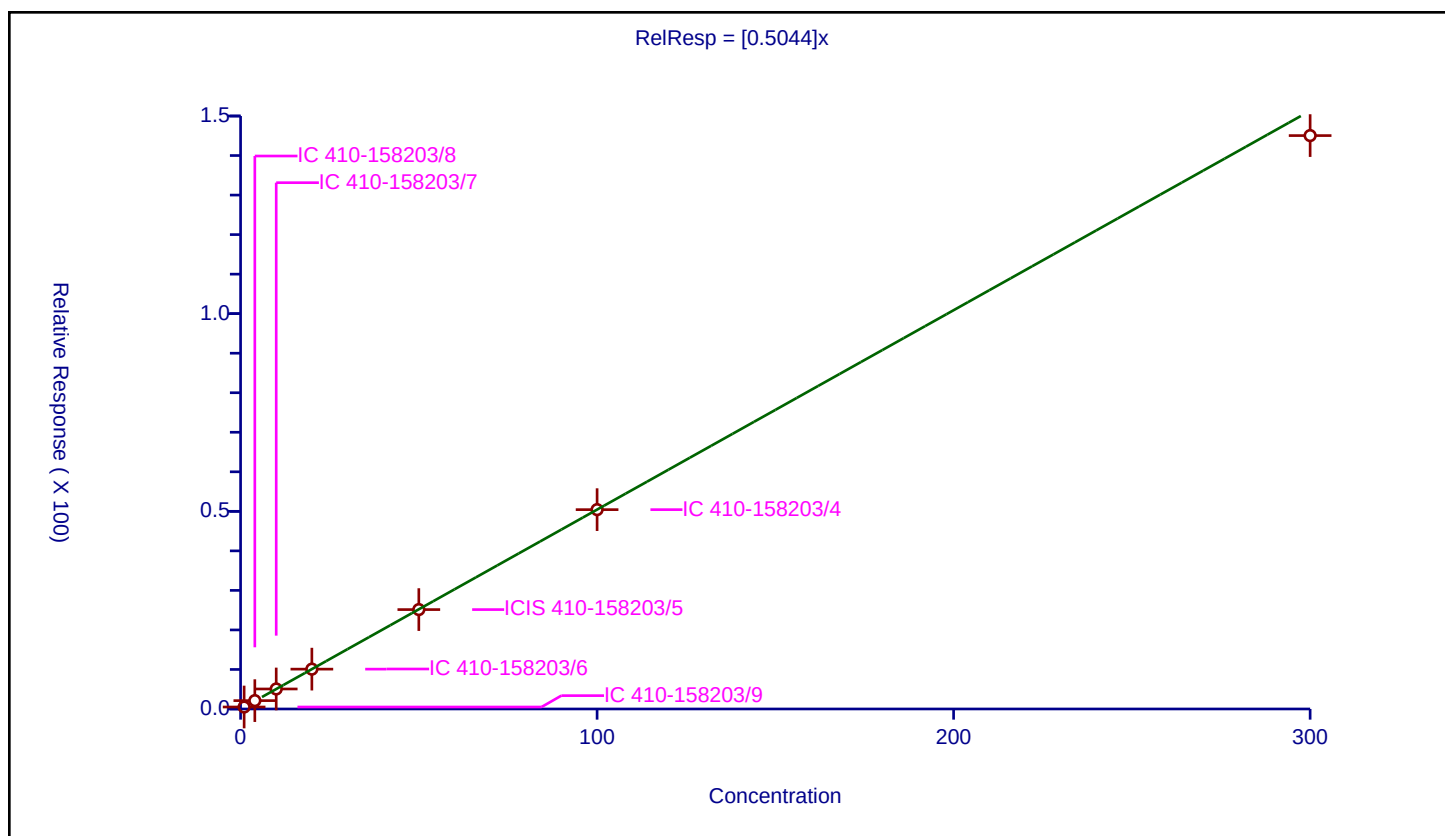
Curve Coefficients

Intercept: 0
Slope: 0.5044

Error Coefficients

Standard Error: 1440000
Relative Standard Error: 2.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.500786	50.0	1110355.0	0.500786	Y
2	IC 410-158203/8	4.0	2.116223	50.0	1105720.0	0.529056	Y
3	IC 410-158203/7	10.0	5.061062	50.0	1097171.0	0.506106	Y
4	IC 410-158203/6	20.0	10.081055	50.0	1109988.0	0.504053	Y
5	ICIS 410-158203/5	50.0	25.145604	50.0	1121707.0	0.502912	Y
6	IC 410-158203/4	100.0	50.428066	50.0	1122725.0	0.504281	Y
7	IC 410-158203/3	300.0	145.04863	50.0	1136140.0	0.483495	Y



Calibration

/ Carbon disulfide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

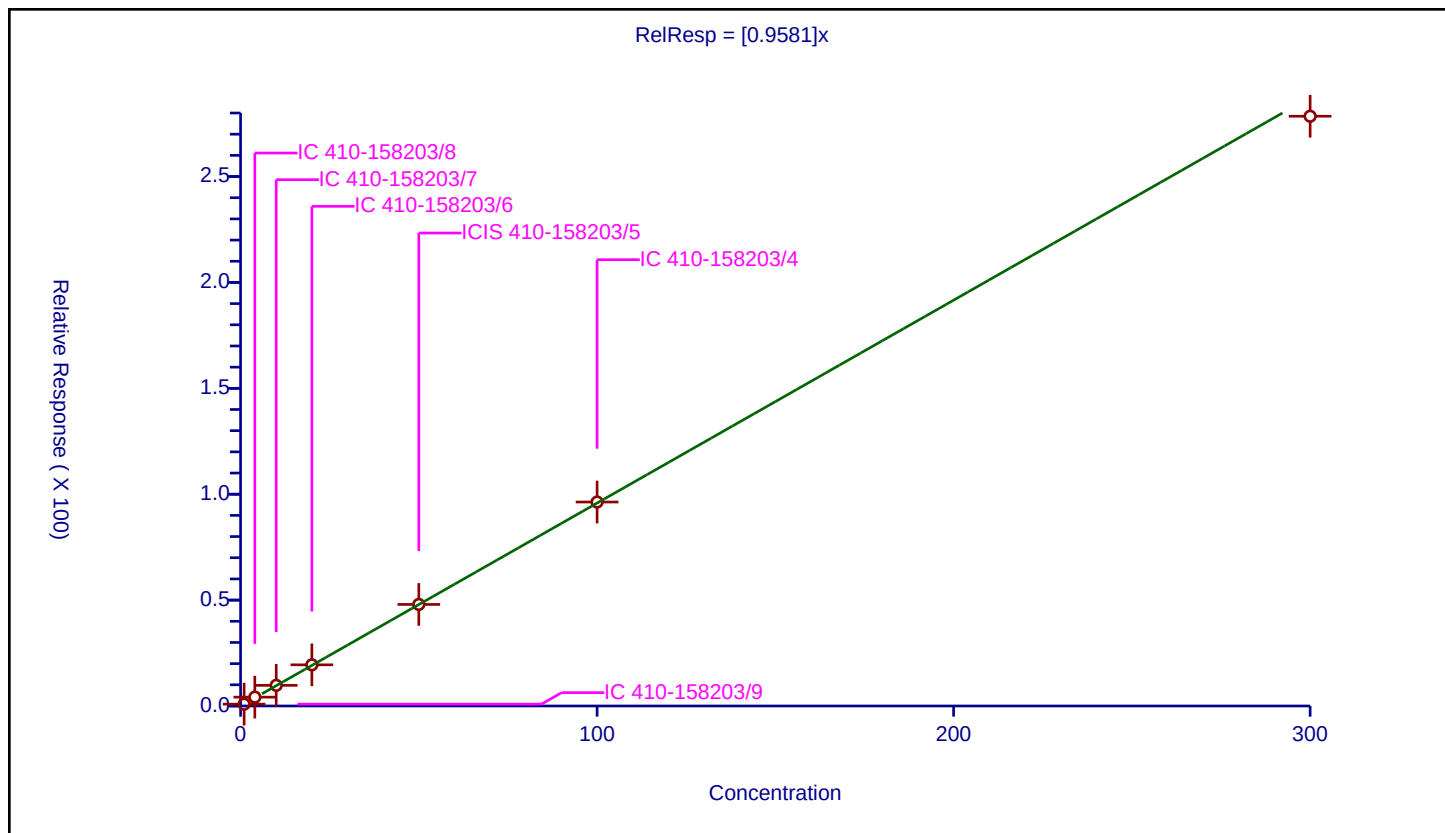
Curve Coefficients

Intercept: 0
 Slope: 0.9581

Error Coefficients

Standard Error: 2770000
 Relative Standard Error: 5.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.869046	50.0	1110355.0	0.869046	Y
2	IC 410-158203/8	4.0	4.168279	50.0	1105720.0	1.04207	Y
3	IC 410-158203/7	10.0	9.734991	50.0	1097171.0	0.973499	Y
4	IC 410-158203/6	20.0	19.436066	50.0	1109988.0	0.971803	Y
5	ICIS 410-158203/5	50.0	47.951292	50.0	1121707.0	0.959026	Y
6	IC 410-158203/4	100.0	96.307244	50.0	1122725.0	0.963072	Y
7	IC 410-158203/3	300.0	278.47554	50.0	1136140.0	0.928252	Y



Calibration

/ Methyl acetate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

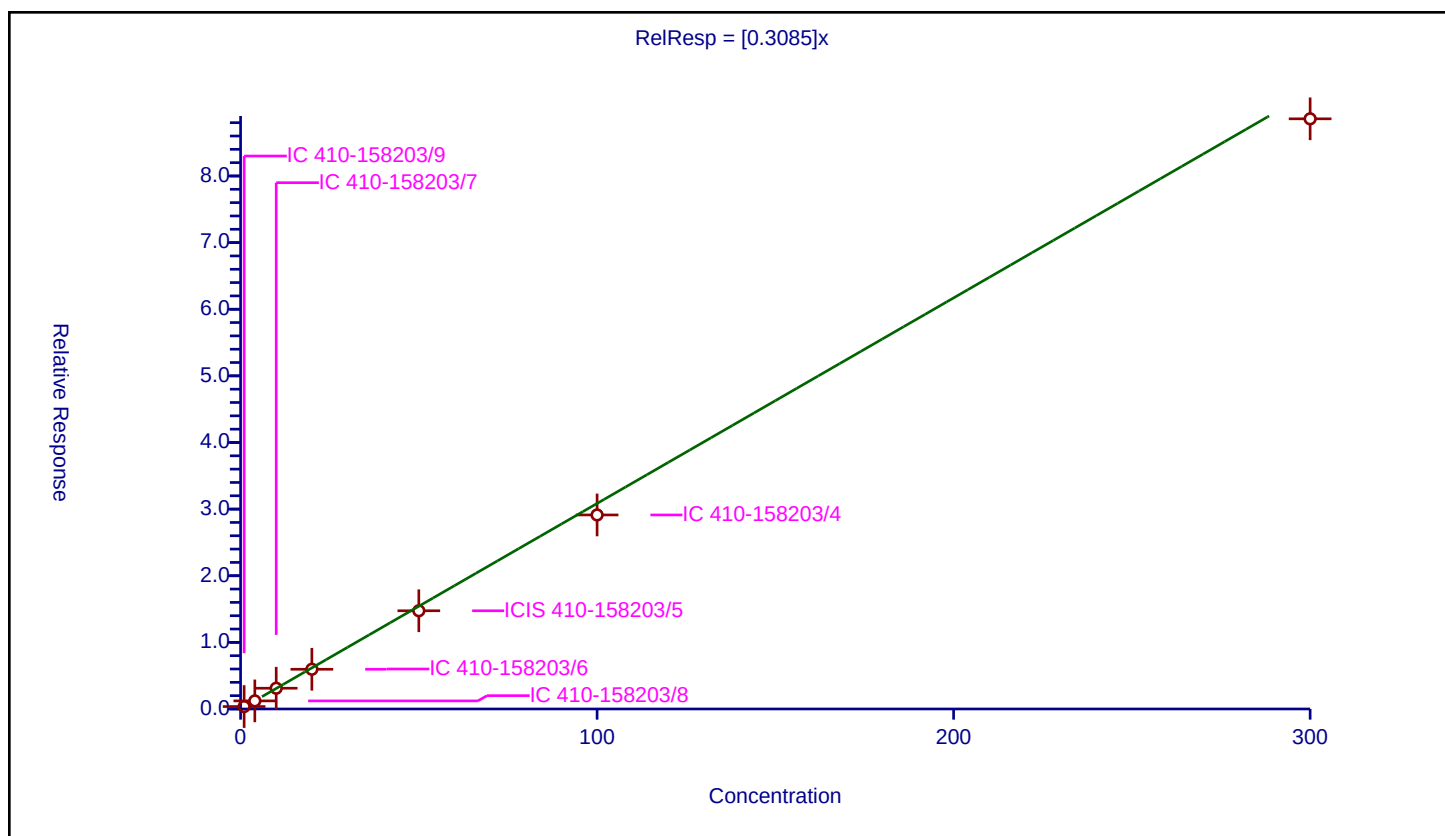
Curve Coefficients

Intercept: 0
 Slope: 0.3085

Error Coefficients

Standard Error: 877000
 Relative Standard Error: 8.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.364568	50.0	1110355.0	0.364568	Y
2	IC 410-158203/8	4.0	1.214729	50.0	1105720.0	0.303682	Y
3	IC 410-158203/7	10.0	3.116287	50.0	1097171.0	0.311629	Y
4	IC 410-158203/6	20.0	5.963533	50.0	1109988.0	0.298177	Y
5	ICIS 410-158203/5	50.0	14.744893	50.0	1121707.0	0.294898	Y
6	IC 410-158203/4	100.0	29.125209	50.0	1122725.0	0.291252	Y
7	IC 410-158203/3	300.0	88.57808	50.0	1136140.0	0.29526	Y



Calibration

/ 3-Chloro-1-propene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

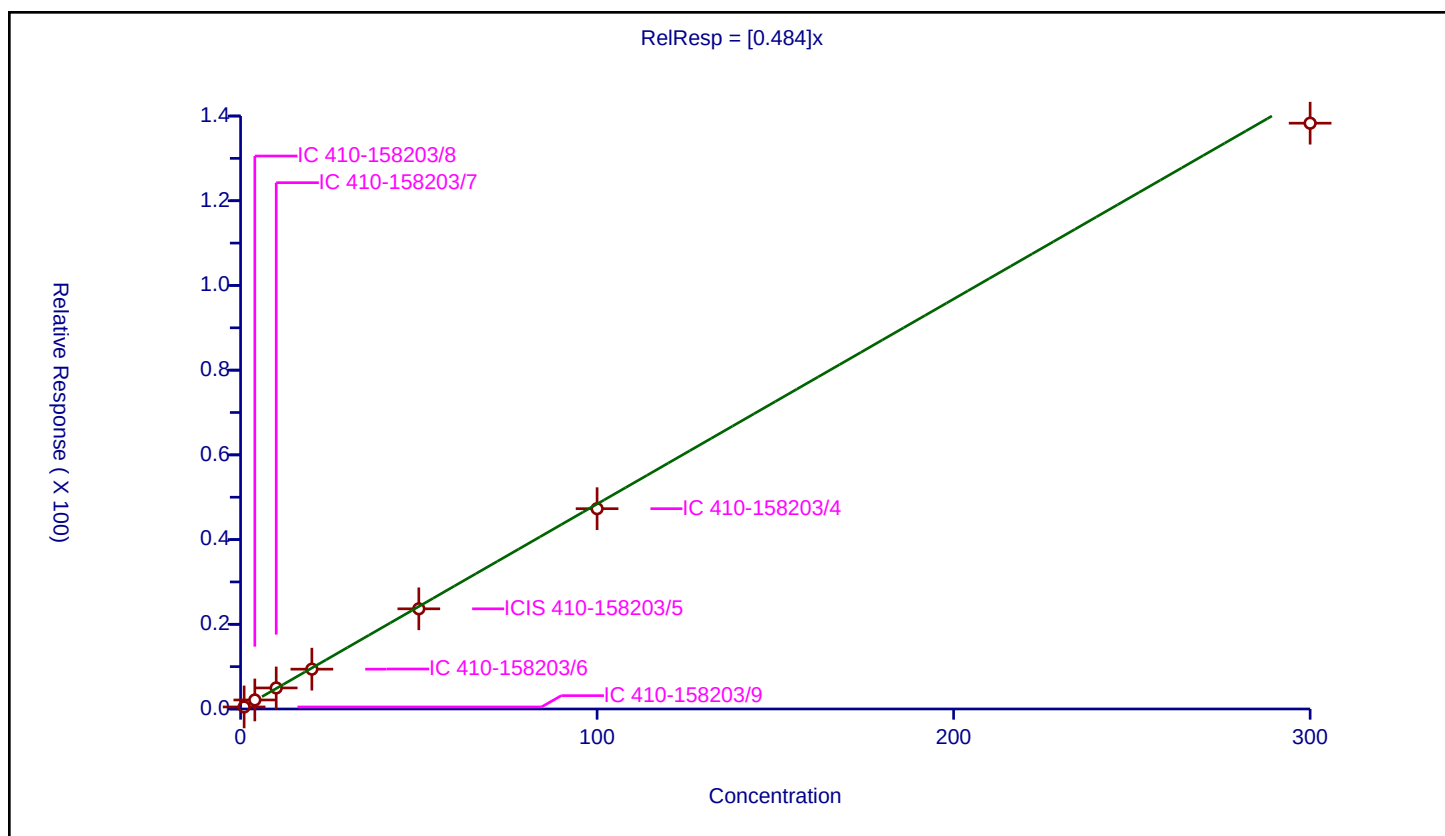
Curve Coefficients

Intercept: 0
 Slope: 0.484

Error Coefficients

Standard Error: 1370000
 Relative Standard Error: 5.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.480927	50.0	1110355.0	0.480927	Y
2	IC 410-158203/8	4.0	2.131281	50.0	1105720.0	0.53282	Y
3	IC 410-158203/7	10.0	4.967776	50.0	1097171.0	0.496778	Y
4	IC 410-158203/6	20.0	9.402985	50.0	1109988.0	0.470149	Y
5	ICIS 410-158203/5	50.0	23.652344	50.0	1121707.0	0.473047	Y
6	IC 410-158203/4	100.0	47.291412	50.0	1122725.0	0.472914	Y
7	IC 410-158203/3	300.0	138.307603	50.0	1136140.0	0.461025	Y



Calibration

/ Methylene Chloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

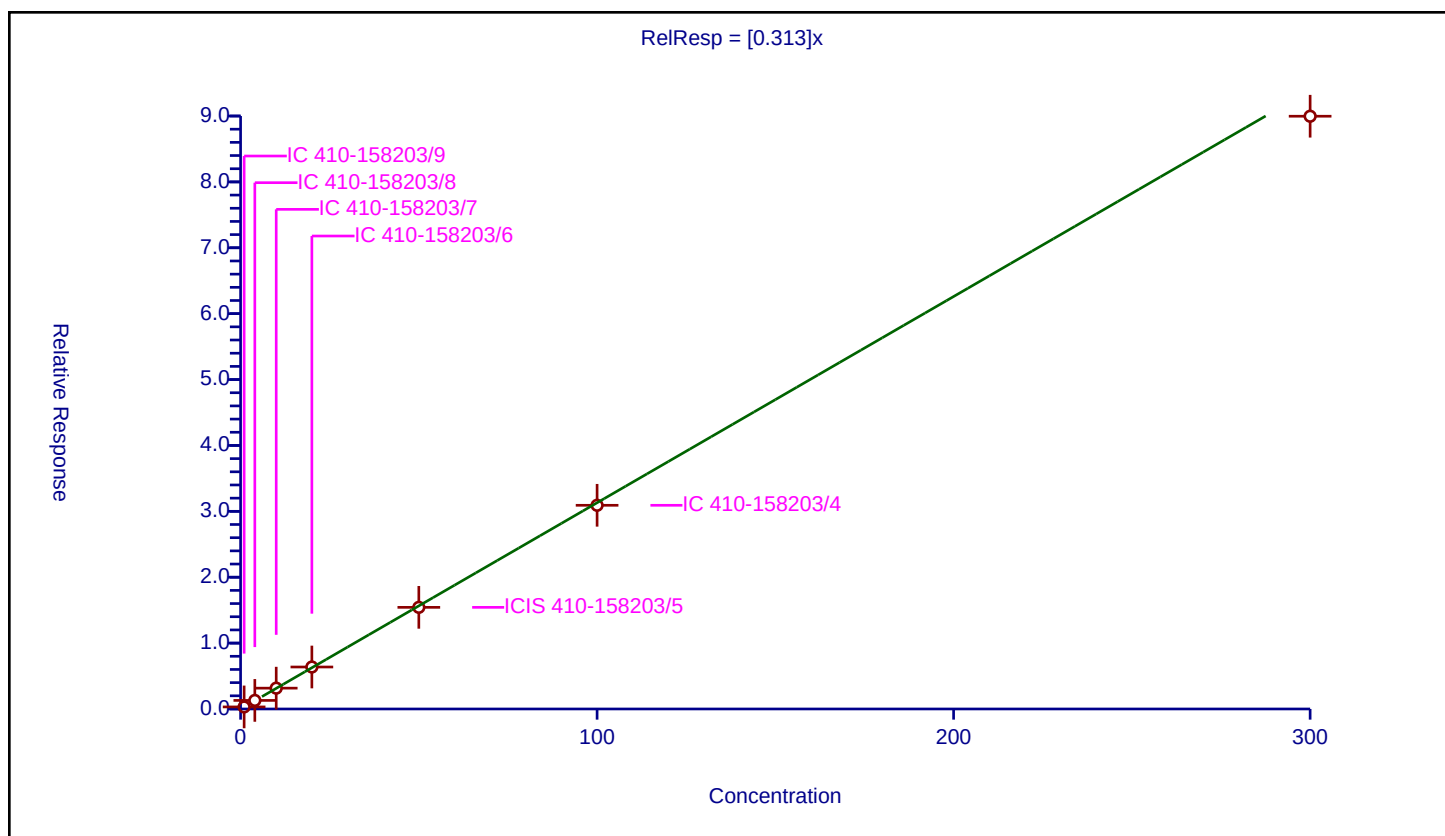
Curve Coefficients

Intercept: 0
 Slope: 0.313

Error Coefficients

Standard Error: 895000
 Relative Standard Error: 2.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.313774	50.0	1110355.0	0.313774	Y
2	IC 410-158203/8	4.0	1.299922	50.0	1105720.0	0.324981	Y
3	IC 410-158203/7	10.0	3.161859	50.0	1097171.0	0.316186	Y
4	IC 410-158203/6	20.0	6.372321	50.0	1109988.0	0.318616	Y
5	ICIS 410-158203/5	50.0	15.425686	50.0	1121707.0	0.308514	Y
6	IC 410-158203/4	100.0	30.916208	50.0	1122725.0	0.309162	Y
7	IC 410-158203/3	300.0	89.967346	50.0	1136140.0	0.299891	Y



Calibration

/ 2-Methyl-2-propanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

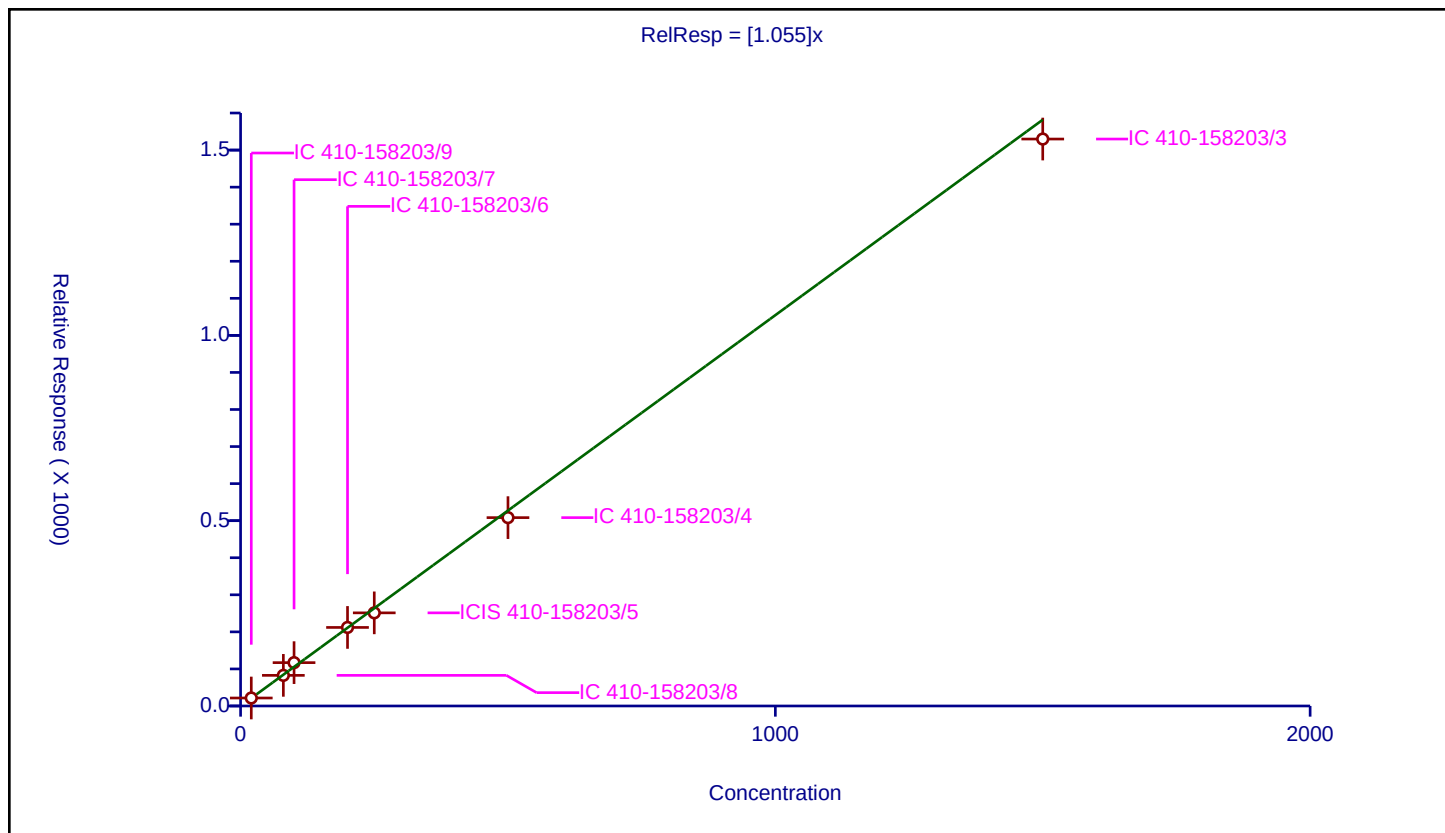
Curve Coefficients

Intercept: 0
Slope: 1.055

Error Coefficients

Standard Error: 689000
Relative Standard Error: 5.4
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	20.0	21.565455	250.0	299159.0	1.078273	Y
2	IC 410-158203/8	80.0	82.611062	250.0	295826.0	1.032638	Y
3	IC 410-158203/7	100.0	116.970815	250.0	302210.0	1.169708	Y
4	IC 410-158203/6	200.0	211.924252	250.0	286475.0	1.059621	Y
5	ICIS 410-158203/5	250.0	251.312004	250.0	310403.0	1.005248	Y
6	IC 410-158203/4	500.0	508.245793	250.0	268925.0	1.016492	Y
7	IC 410-158203/3	1500.0	1529.780555	250.0	251498.0	1.019854	Y



Calibration

/ Acrylonitrile

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

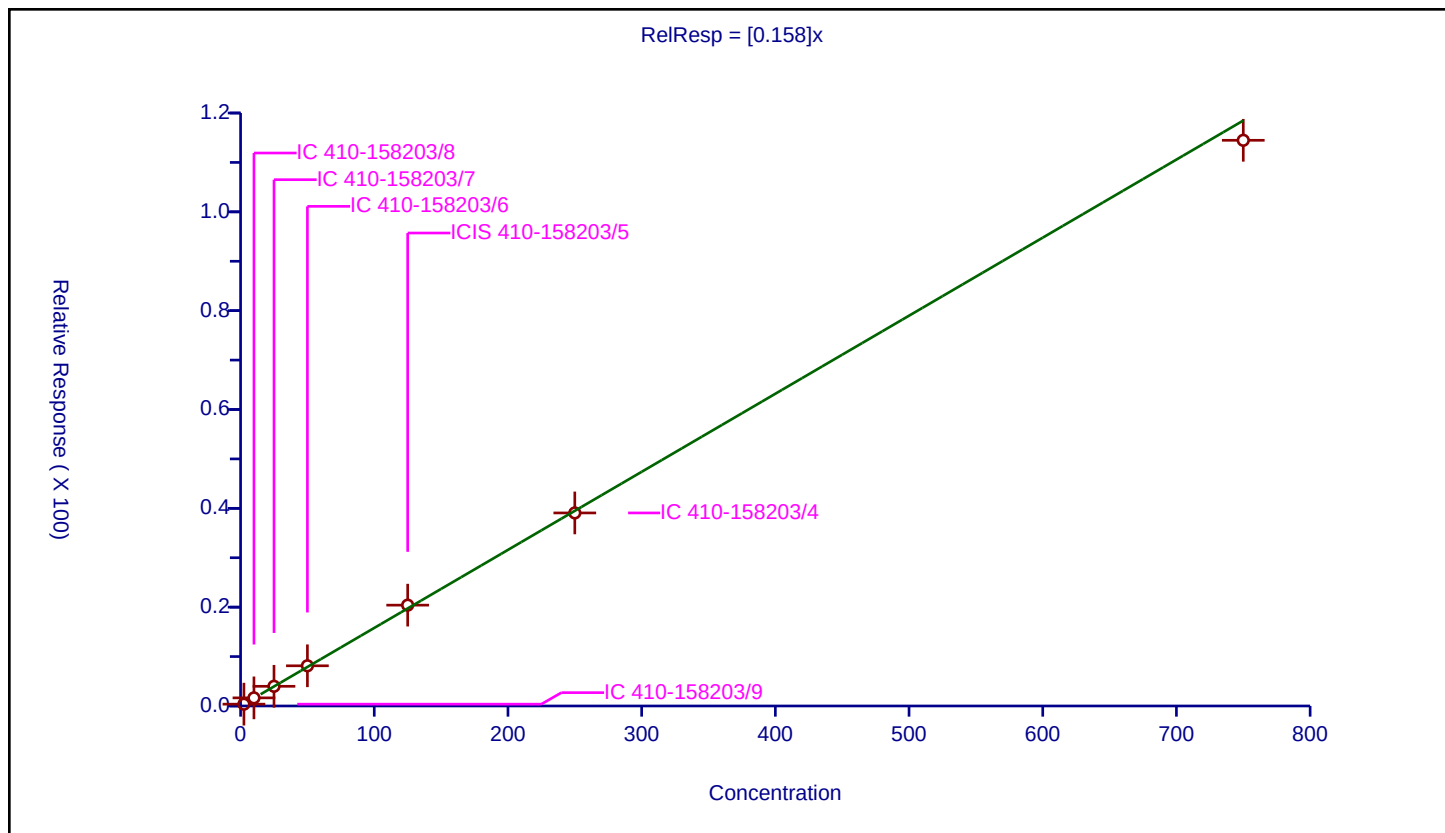
Curve Coefficients

Intercept: 0
 Slope: 0.158

Error Coefficients

Standard Error: 1140000
 Relative Standard Error: 4.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	2.5	0.368306	50.0	1110355.0	0.147322	Y
2	IC 410-158203/8	10.0	1.640605	50.0	1105720.0	0.164061	Y
3	IC 410-158203/7	25.0	3.986161	50.0	1097171.0	0.159446	Y
4	IC 410-158203/6	50.0	8.13734	50.0	1109988.0	0.162747	Y
5	ICIS 410-158203/5	125.0	20.407959	50.0	1121707.0	0.163264	Y
6	IC 410-158203/4	250.0	39.068739	50.0	1122725.0	0.156275	Y
7	IC 410-158203/3	750.0	114.48105	50.0	1136140.0	0.152641	Y



Calibration

/ Methyl tert-butyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

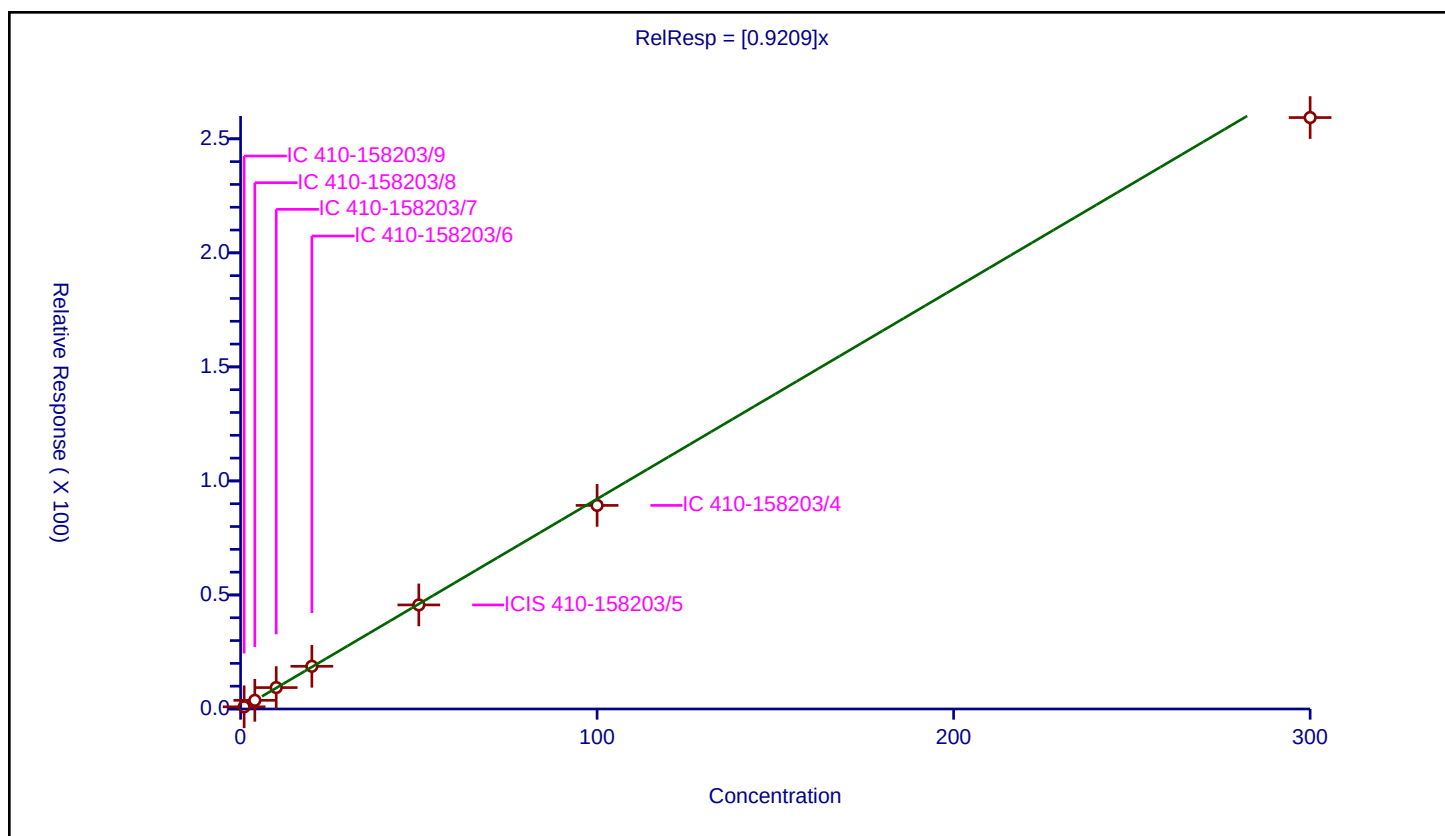
Curve Coefficients

Intercept: 0
Slope: 0.9209

Error Coefficients

Standard Error: 2580000
Relative Standard Error: 3.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.950462	50.0	1110355.0	0.950462	Y
2	IC 410-158203/8	4.0	3.804851	50.0	1105720.0	0.951213	Y
3	IC 410-158203/7	10.0	9.384772	50.0	1097171.0	0.938477	Y
4	IC 410-158203/6	20.0	18.731148	50.0	1109988.0	0.936557	Y
5	ICIS 410-158203/5	50.0	45.624838	50.0	1121707.0	0.912497	Y
6	IC 410-158203/4	100.0	89.264513	50.0	1122725.0	0.892645	Y
7	IC 410-158203/3	300.0	259.318306	50.0	1136140.0	0.864394	Y



Calibration

/ trans-1,2-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

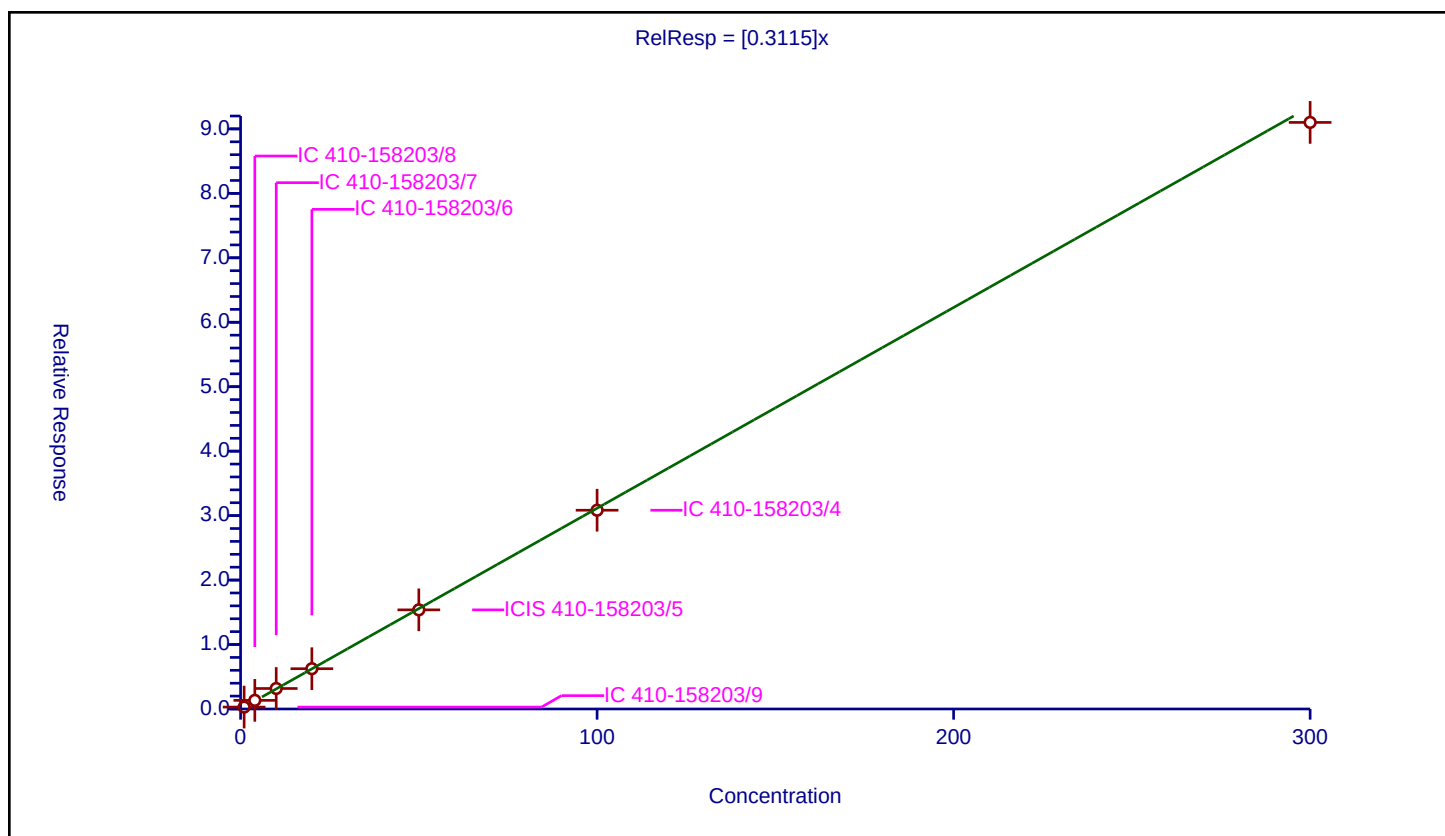
Curve Coefficients

Intercept: 0
Slope: 0.3115

Error Coefficients

Standard Error: 904000
Relative Standard Error: 4.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.295941	50.0	1110355.0	0.295941	Y
2	IC 410-158203/8	4.0	1.33872	50.0	1105720.0	0.33468	Y
3	IC 410-158203/7	10.0	3.177536	50.0	1097171.0	0.317754	Y
4	IC 410-158203/6	20.0	6.249572	50.0	1109988.0	0.312479	Y
5	ICIS 410-158203/5	50.0	15.379685	50.0	1121707.0	0.307594	Y
6	IC 410-158203/4	100.0	30.838674	50.0	1122725.0	0.308387	Y
7	IC 410-158203/3	300.0	91.006962	50.0	1136140.0	0.303357	Y



Calibration

/ Hexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

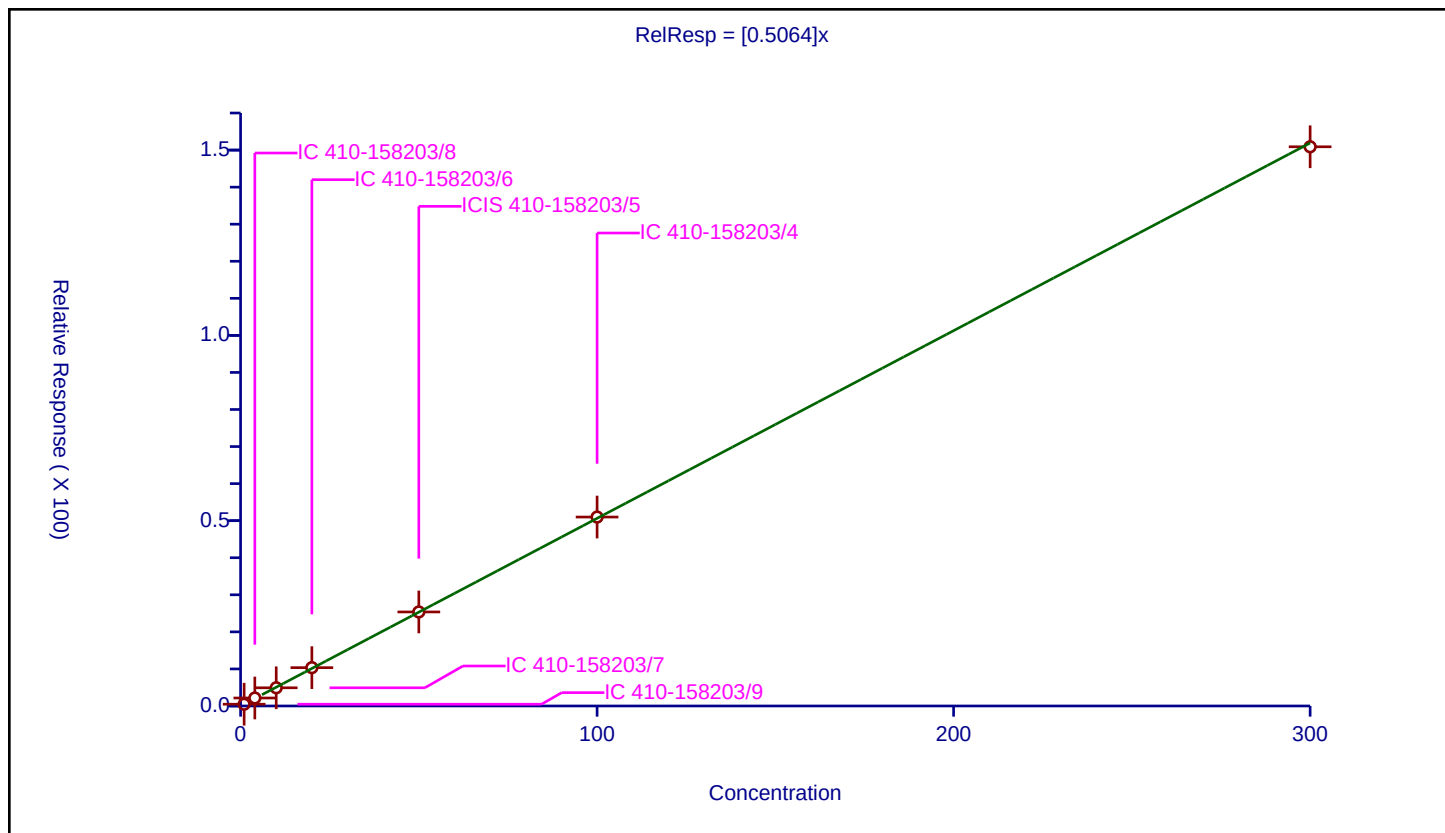
Curve Coefficients

Intercept: 0
Slope: 0.5064

Error Coefficients

Standard Error: 1500000
Relative Standard Error: 3.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.47791	50.0	1110355.0	0.47791	Y
2	IC 410-158203/8	4.0	2.153348	50.0	1105720.0	0.538337	Y
3	IC 410-158203/7	10.0	4.907485	50.0	1097171.0	0.490748	Y
4	IC 410-158203/6	20.0	10.344346	50.0	1109988.0	0.517217	Y
5	ICIS 410-158203/5	50.0	25.377928	50.0	1121707.0	0.507559	Y
6	IC 410-158203/4	100.0	50.979581	50.0	1122725.0	0.509796	Y
7	IC 410-158203/3	300.0	150.892892	50.0	1136140.0	0.502976	Y



Calibration

/ 1,1-Dichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

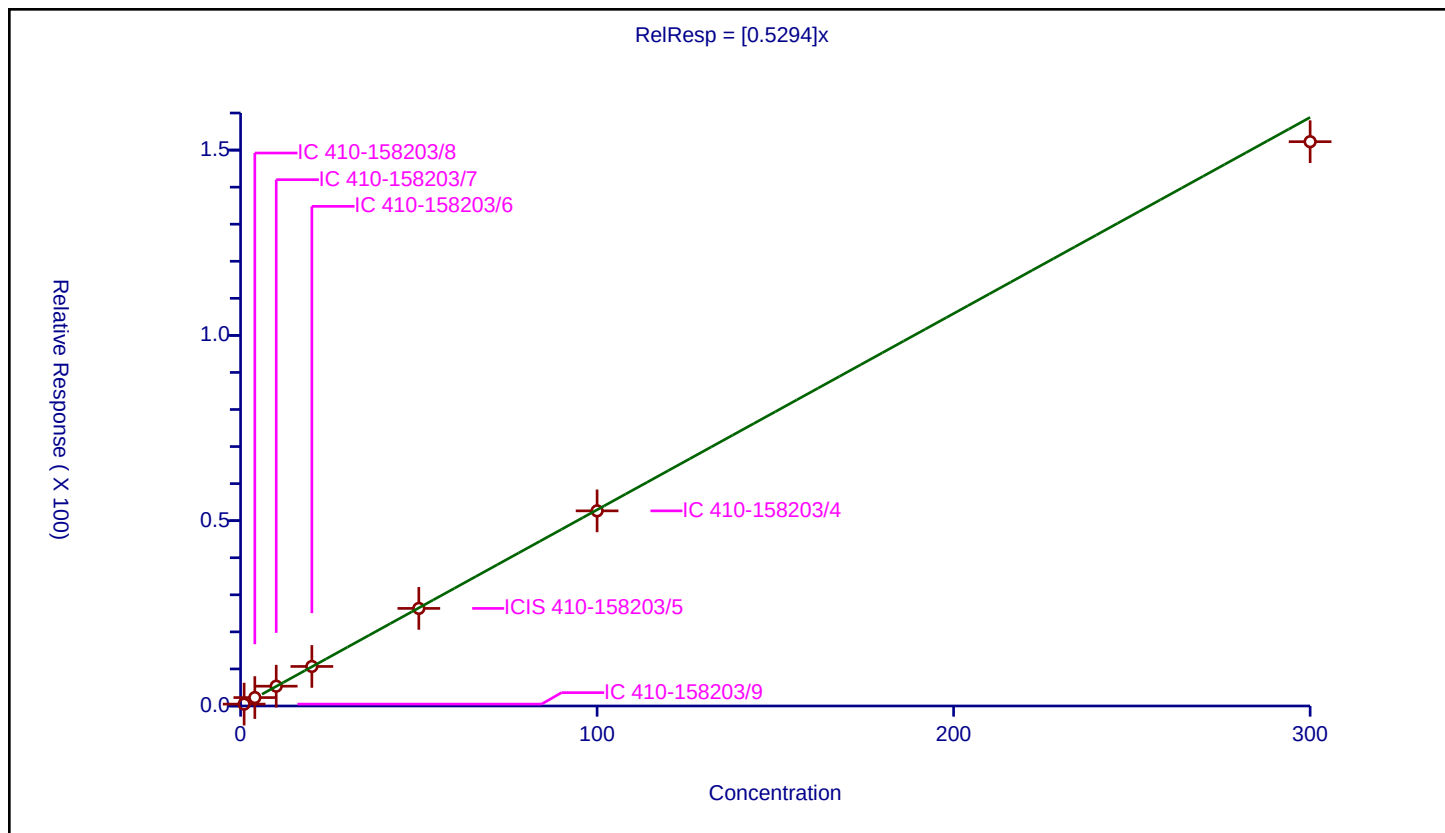
Curve Coefficients

Intercept: 0
 Slope: 0.5294

Error Coefficients

Standard Error: 1520000
 Relative Standard Error: 3.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.510332	50.0	1110355.0	0.510332	Y
2	IC 410-158203/8	4.0	2.269652	50.0	1105720.0	0.567413	Y
3	IC 410-158203/7	10.0	5.342968	50.0	1097171.0	0.534297	Y
4	IC 410-158203/6	20.0	10.664034	50.0	1109988.0	0.533202	Y
5	ICIS 410-158203/5	50.0	26.33094	50.0	1121707.0	0.526619	Y
6	IC 410-158203/4	100.0	52.650916	50.0	1122725.0	0.526509	Y
7	IC 410-158203/3	300.0	152.262265	50.0	1136140.0	0.507541	Y



Calibration

/ Isopropyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

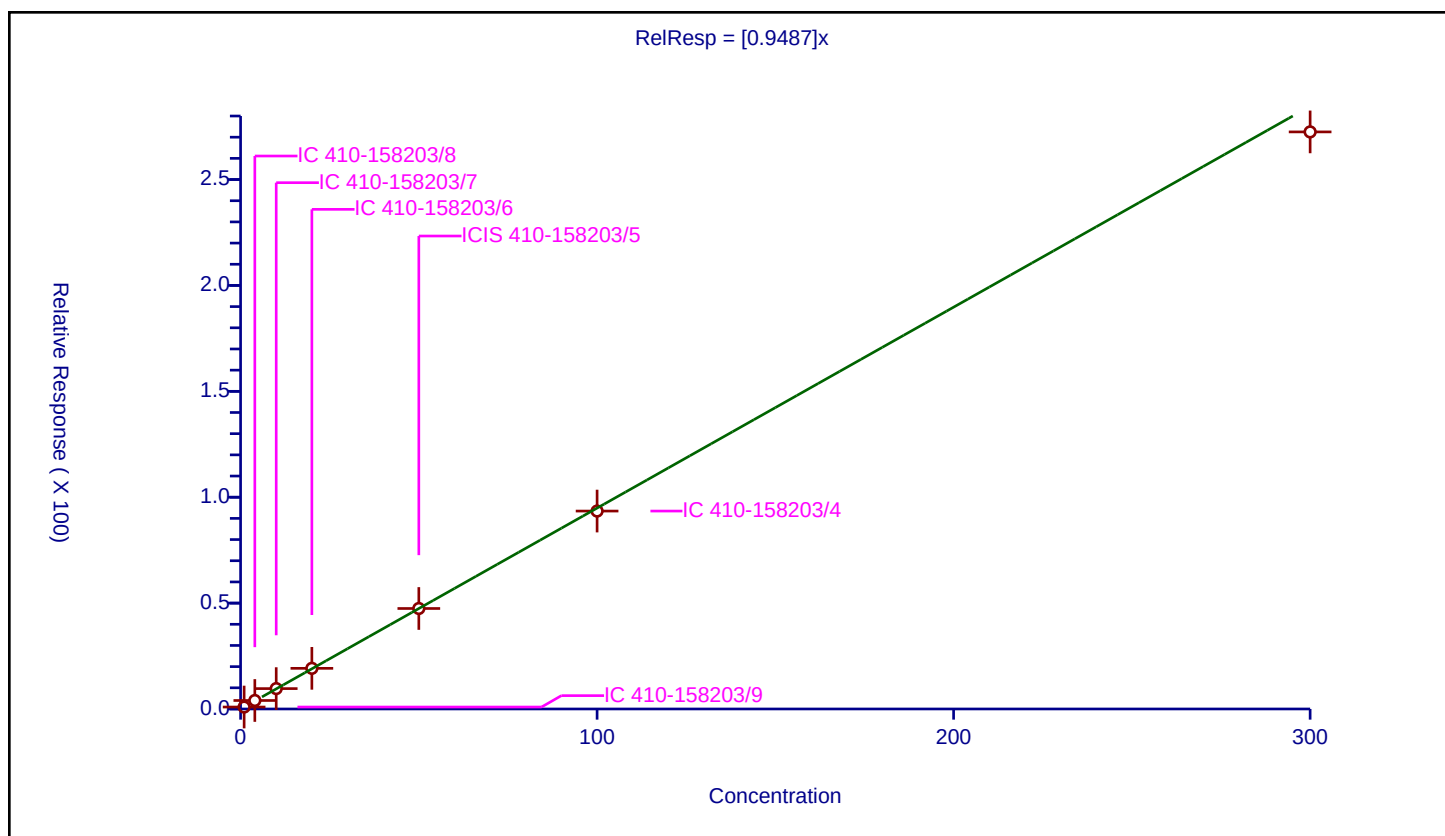
Curve Coefficients

Intercept: 0
 Slope: 0.9487

Error Coefficients

Standard Error: 2710000
 Relative Standard Error: 3.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.923218	50.0	1110355.0	0.923218	Y
2	IC 410-158203/8	4.0	4.00965	50.0	1105720.0	1.002412	Y
3	IC 410-158203/7	10.0	9.632318	50.0	1097171.0	0.963232	Y
4	IC 410-158203/6	20.0	19.199802	50.0	1109988.0	0.95999	Y
5	ICIS 410-158203/5	50.0	47.456377	50.0	1121707.0	0.949128	Y
6	IC 410-158203/4	100.0	93.459618	50.0	1122725.0	0.934596	Y
7	IC 410-158203/3	300.0	272.496083	50.0	1136140.0	0.90832	Y



Calibration

/ 2-Chloro-1,3-butadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

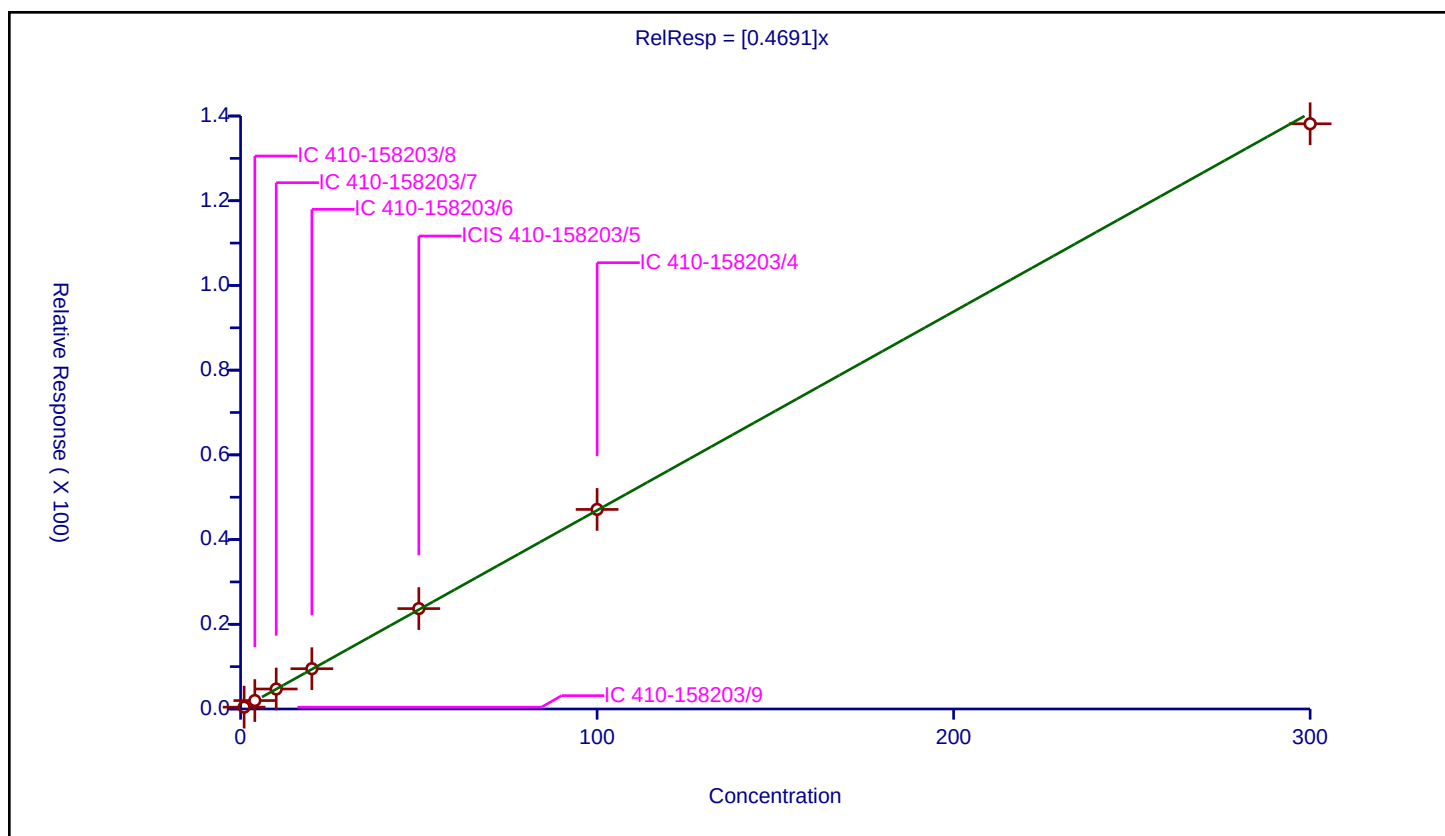
Curve Coefficients

Intercept: 0
Slope: 0.4691

Error Coefficients

Standard Error: 1370000
Relative Standard Error: 4.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.43279	50.0	1110355.0	0.43279	Y
2	IC 410-158203/8	4.0	1.991236	50.0	1105720.0	0.497809	Y
3	IC 410-158203/7	10.0	4.717724	50.0	1097171.0	0.471772	Y
4	IC 410-158203/6	20.0	9.51267	50.0	1109988.0	0.475634	Y
5	ICIS 410-158203/5	50.0	23.699103	50.0	1121707.0	0.473982	Y
6	IC 410-158203/4	100.0	47.117816	50.0	1122725.0	0.471178	Y
7	IC 410-158203/3	300.0	138.167699	50.0	1136140.0	0.460559	Y



Calibration

/ Tert-butyl ethyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

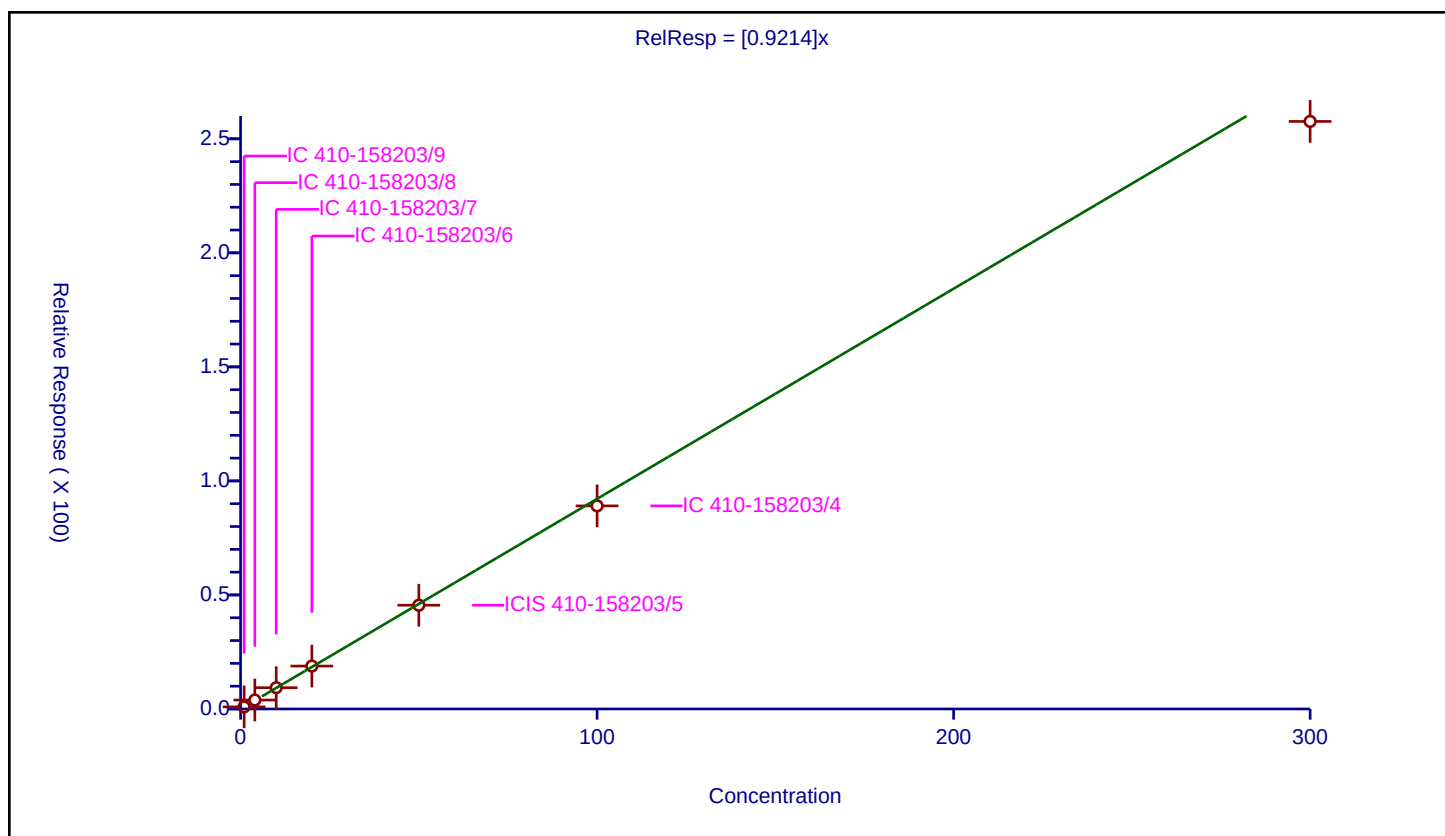
Curve Coefficients

Intercept: 0
 Slope: 0.9214

Error Coefficients

Standard Error: 2570000
 Relative Standard Error: 4.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.934071	50.0	1110355.0	0.934071	Y
2	IC 410-158203/8	4.0	3.925723	50.0	1105720.0	0.981431	Y
3	IC 410-158203/7	10.0	9.335099	50.0	1097171.0	0.93351	Y
4	IC 410-158203/6	20.0	18.822005	50.0	1109988.0	0.9411	Y
5	ICIS 410-158203/5	50.0	45.500296	50.0	1121707.0	0.910006	Y
6	IC 410-158203/4	100.0	89.06001	50.0	1122725.0	0.8906	Y
7	IC 410-158203/3	300.0	257.629121	50.0	1136140.0	0.858764	Y



Calibration

/ 2-Butanone (MEK)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

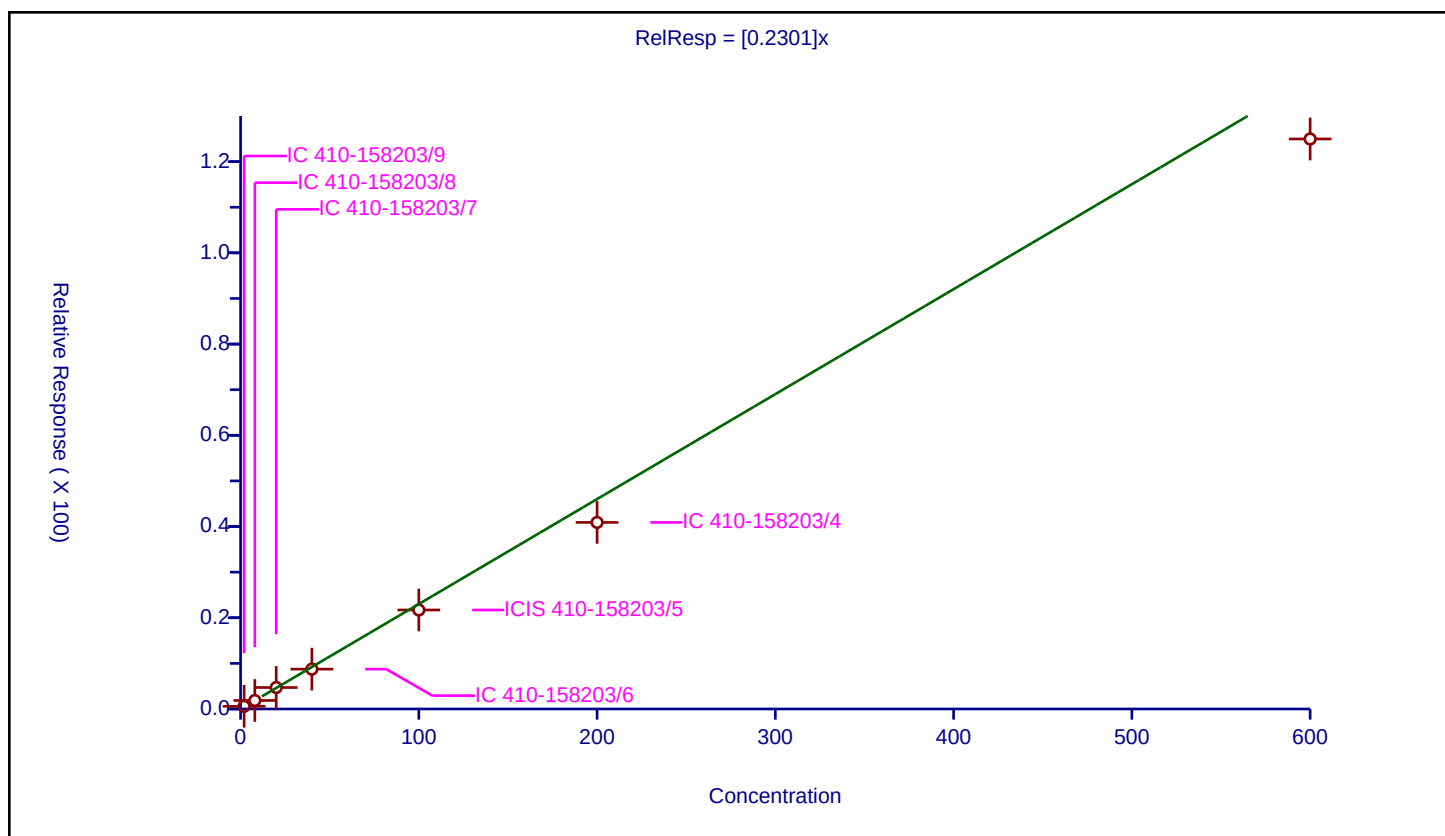
Curve Coefficients

Intercept: 0
 Slope: 0.2301

Error Coefficients

Standard Error: 1240000
 Relative Standard Error: 13.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	2.0	0.58783	50.0	1110355.0	0.293915	Y
2	IC 410-158203/8	8.0	1.864351	50.0	1105720.0	0.233044	Y
3	IC 410-158203/7	20.0	4.709521	50.0	1097171.0	0.235476	Y
4	IC 410-158203/6	40.0	8.734689	50.0	1109988.0	0.218367	Y
5	ICIS 410-158203/5	100.0	21.702147	50.0	1121707.0	0.217021	Y
6	IC 410-158203/4	200.0	40.902982	50.0	1122725.0	0.204515	Y
7	IC 410-158203/3	600.0	124.965673	50.0	1136140.0	0.208276	Y



Calibration

/ cis-1,2-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

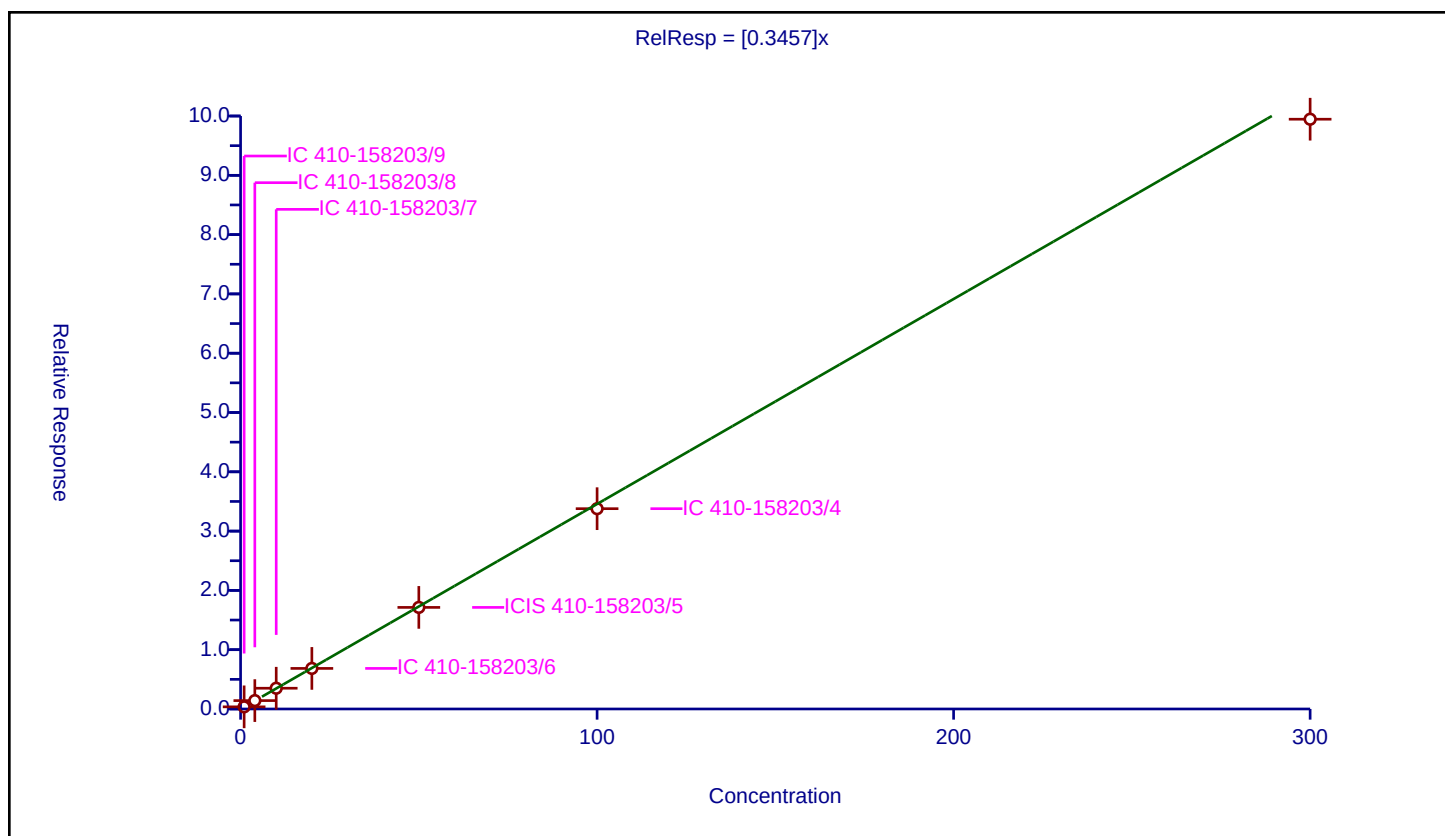
Curve Coefficients

Intercept: 0
Slope: 0.3457

Error Coefficients

Standard Error: 988000
Relative Standard Error: 3.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.361551	50.0	1110355.0	0.361551	Y
2	IC 410-158203/8	4.0	1.416362	50.0	1105720.0	0.354091	Y
3	IC 410-158203/7	10.0	3.501505	50.0	1097171.0	0.350151	Y
4	IC 410-158203/6	20.0	6.843182	50.0	1109988.0	0.342159	Y
5	ICIS 410-158203/5	50.0	17.13295	50.0	1121707.0	0.342659	Y
6	IC 410-158203/4	100.0	33.778664	50.0	1122725.0	0.337787	Y
7	IC 410-158203/3	300.0	99.458165	50.0	1136140.0	0.331527	Y



Calibration

/ 2,2-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

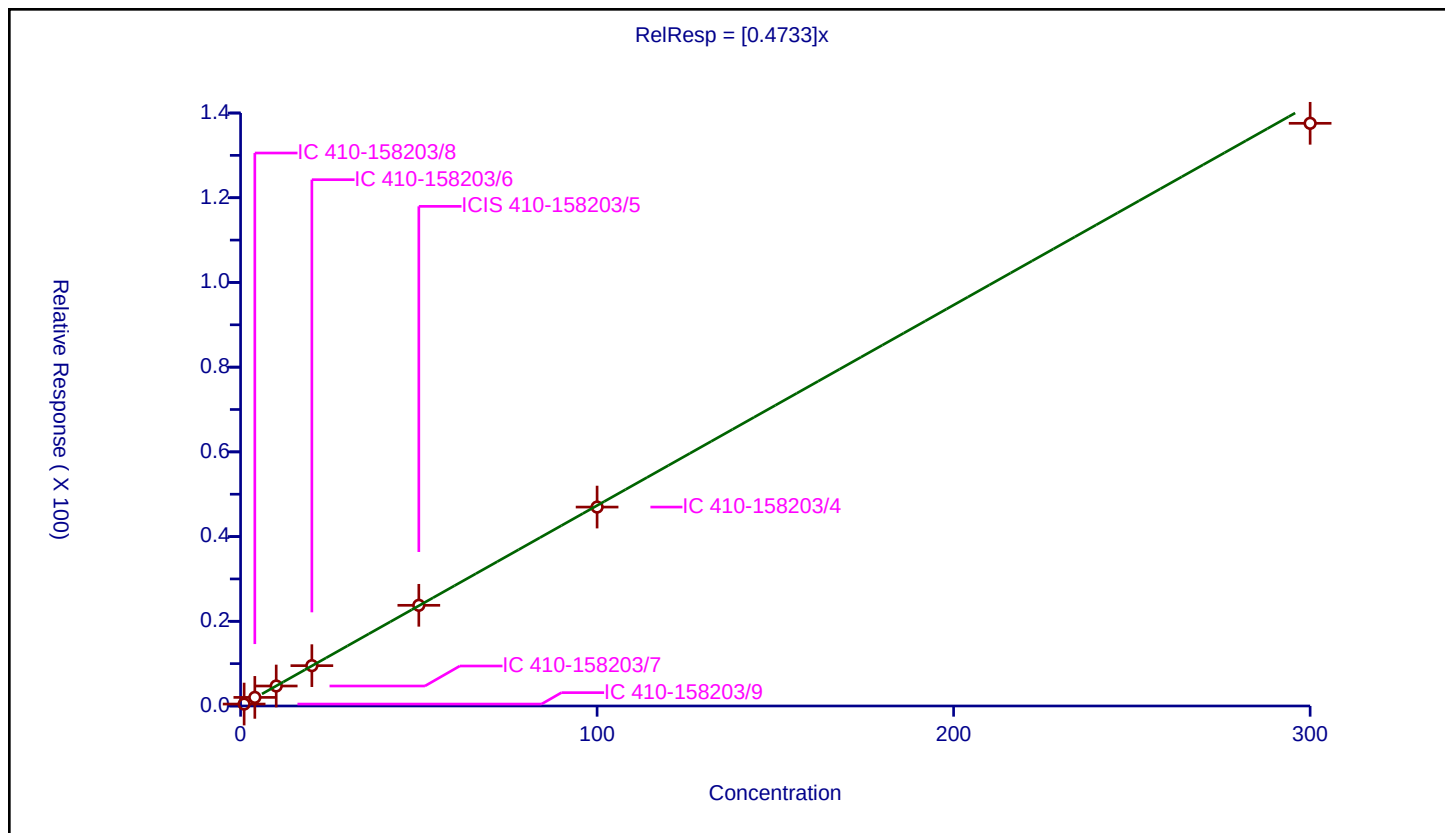
Curve Coefficients

Intercept: 0
 Slope: 0.4733

Error Coefficients

Standard Error: 1370000
 Relative Standard Error: 3.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.454539	50.0	1110355.0	0.454539	Y
2	IC 410-158203/8	4.0	2.028	50.0	1105720.0	0.507	Y
3	IC 410-158203/7	10.0	4.717861	50.0	1097171.0	0.471786	Y
4	IC 410-158203/6	20.0	9.519517	50.0	1109988.0	0.475976	Y
5	ICIS 410-158203/5	50.0	23.770468	50.0	1121707.0	0.475409	Y
6	IC 410-158203/4	100.0	46.966354	50.0	1122725.0	0.469664	Y
7	IC 410-158203/3	300.0	137.572614	50.0	1136140.0	0.458575	Y



Calibration

/ Propionitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

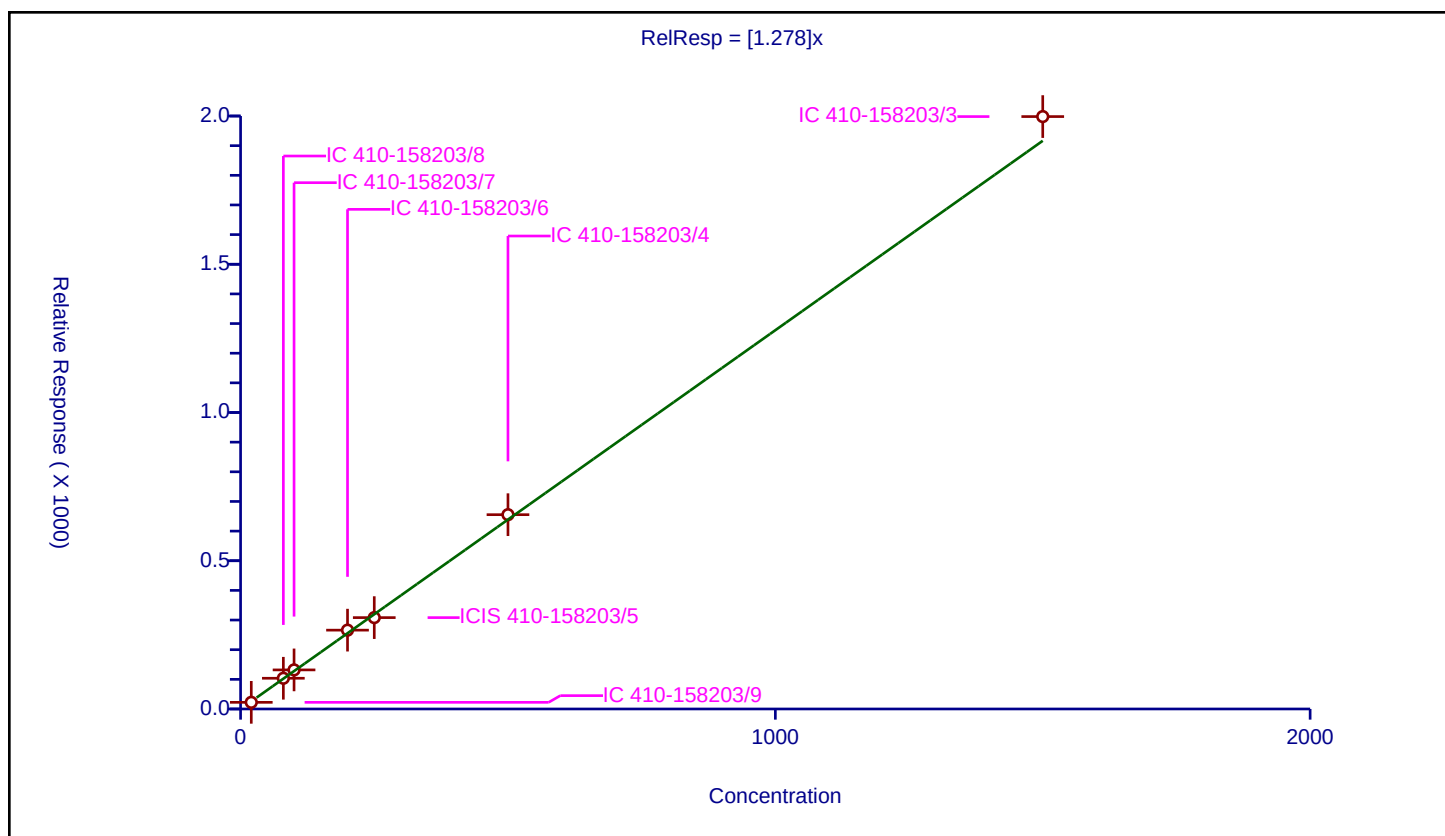
Curve Coefficients

Intercept: 0
Slope: 1.278

Error Coefficients

Standard Error: 895000
Relative Standard Error: 5.9
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	20.0	22.475506	250.0	299159.0	1.123775	Y
2	IC 410-158203/8	80.0	103.693556	250.0	295826.0	1.296169	Y
3	IC 410-158203/7	100.0	131.78998	250.0	302210.0	1.3179	Y
4	IC 410-158203/6	200.0	265.9438	250.0	286475.0	1.329719	Y
5	ICIS 410-158203/5	250.0	308.230752	250.0	310403.0	1.232923	Y
6	IC 410-158203/4	500.0	655.330482	250.0	268925.0	1.310661	Y
7	IC 410-158203/3	1500.0	1998.079508	250.0	251498.0	1.332053	Y



Calibration

/ Methacrylonitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

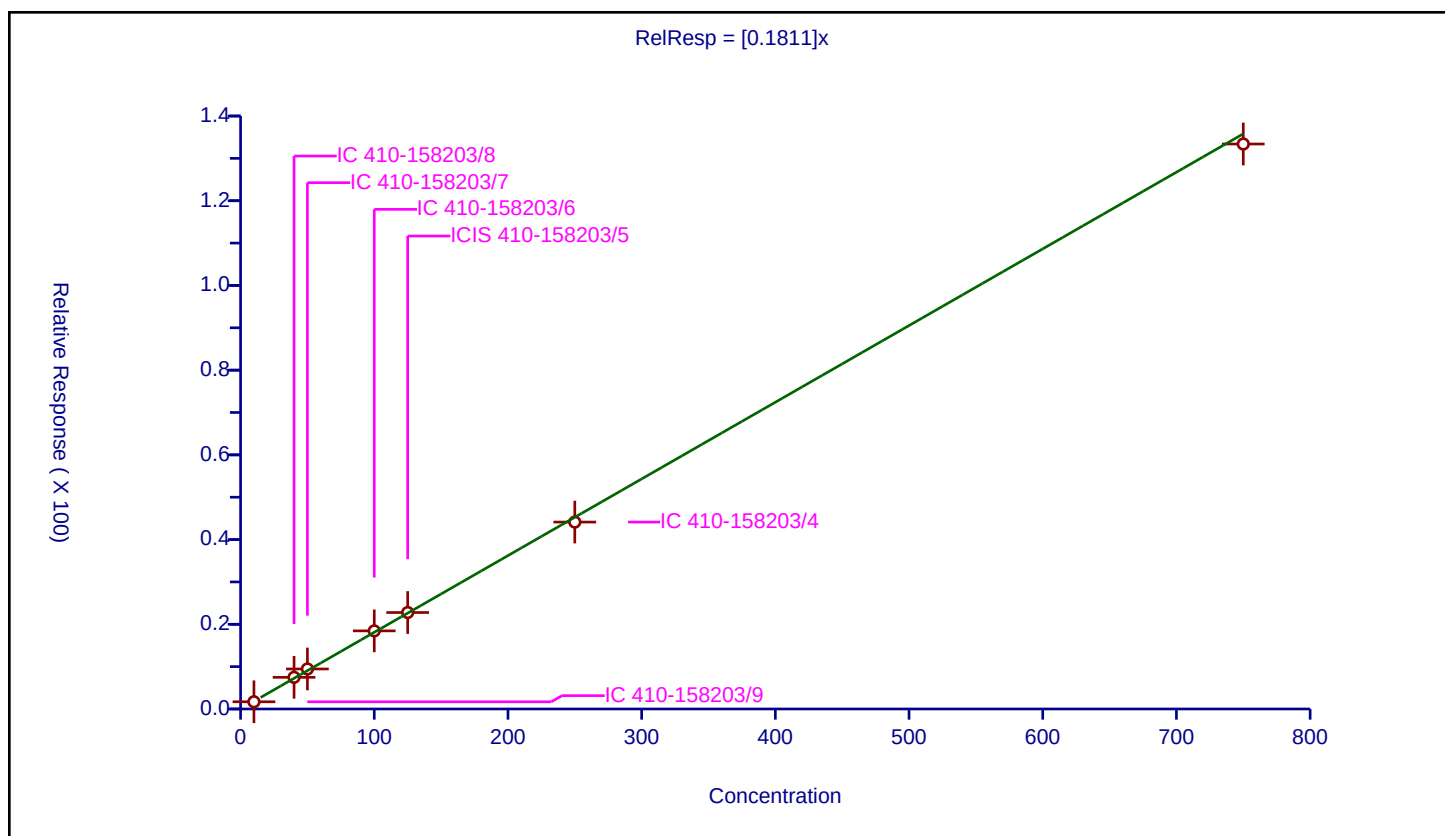
Curve Coefficients

Intercept: 0
Slope: 0.1811

Error Coefficients

Standard Error: 1330000
Relative Standard Error: 3.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	10.0	1.705175	50.0	1110355.0	0.170518	Y
2	IC 410-158203/8	40.0	7.473321	50.0	1105720.0	0.186833	Y
3	IC 410-158203/7	50.0	9.449165	50.0	1097171.0	0.188983	Y
4	IC 410-158203/6	100.0	18.444118	50.0	1109988.0	0.184441	Y
5	ICIS 410-158203/5	125.0	22.778676	50.0	1121707.0	0.182229	Y
6	IC 410-158203/4	250.0	44.133114	50.0	1122725.0	0.176532	Y
7	IC 410-158203/3	750.0	133.388667	50.0	1136140.0	0.177852	Y



Calibration

/ Chlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

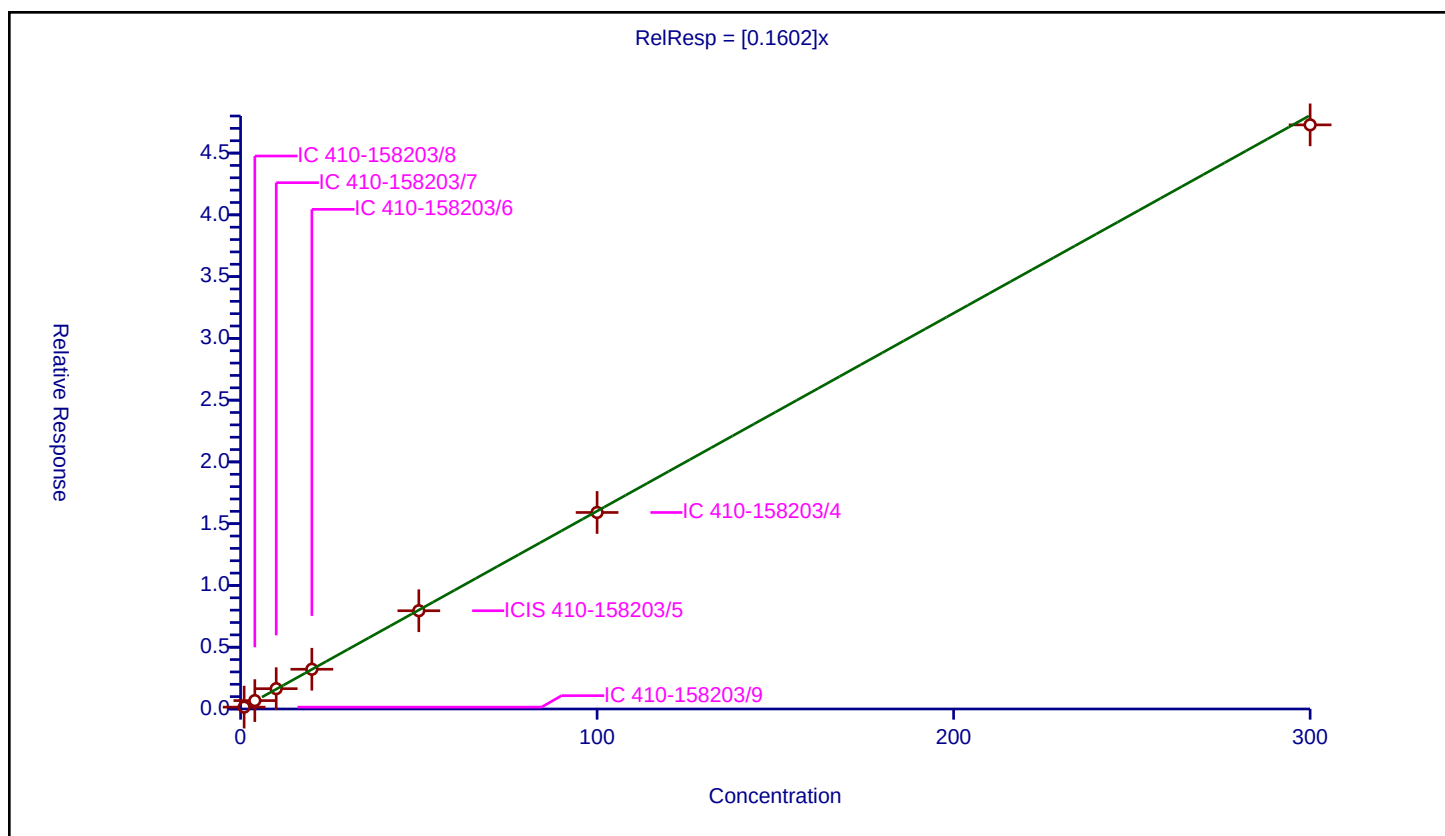
Curve Coefficients

Intercept: 0
Slope: 0.1602

Error Coefficients

Standard Error: 469000
Relative Standard Error: 3.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.150718	50.0	1110355.0	0.150718	Y
2	IC 410-158203/8	4.0	0.678879	50.0	1105720.0	0.16972	Y
3	IC 410-158203/7	10.0	1.642816	50.0	1097171.0	0.164282	Y
4	IC 410-158203/6	20.0	3.217017	50.0	1109988.0	0.160851	Y
5	ICIS 410-158203/5	50.0	7.953681	50.0	1121707.0	0.159074	Y
6	IC 410-158203/4	100.0	15.907591	50.0	1122725.0	0.159076	Y
7	IC 410-158203/3	300.0	47.283257	50.0	1136140.0	0.157611	Y



Calibration

/ Tetrahydrofuran

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

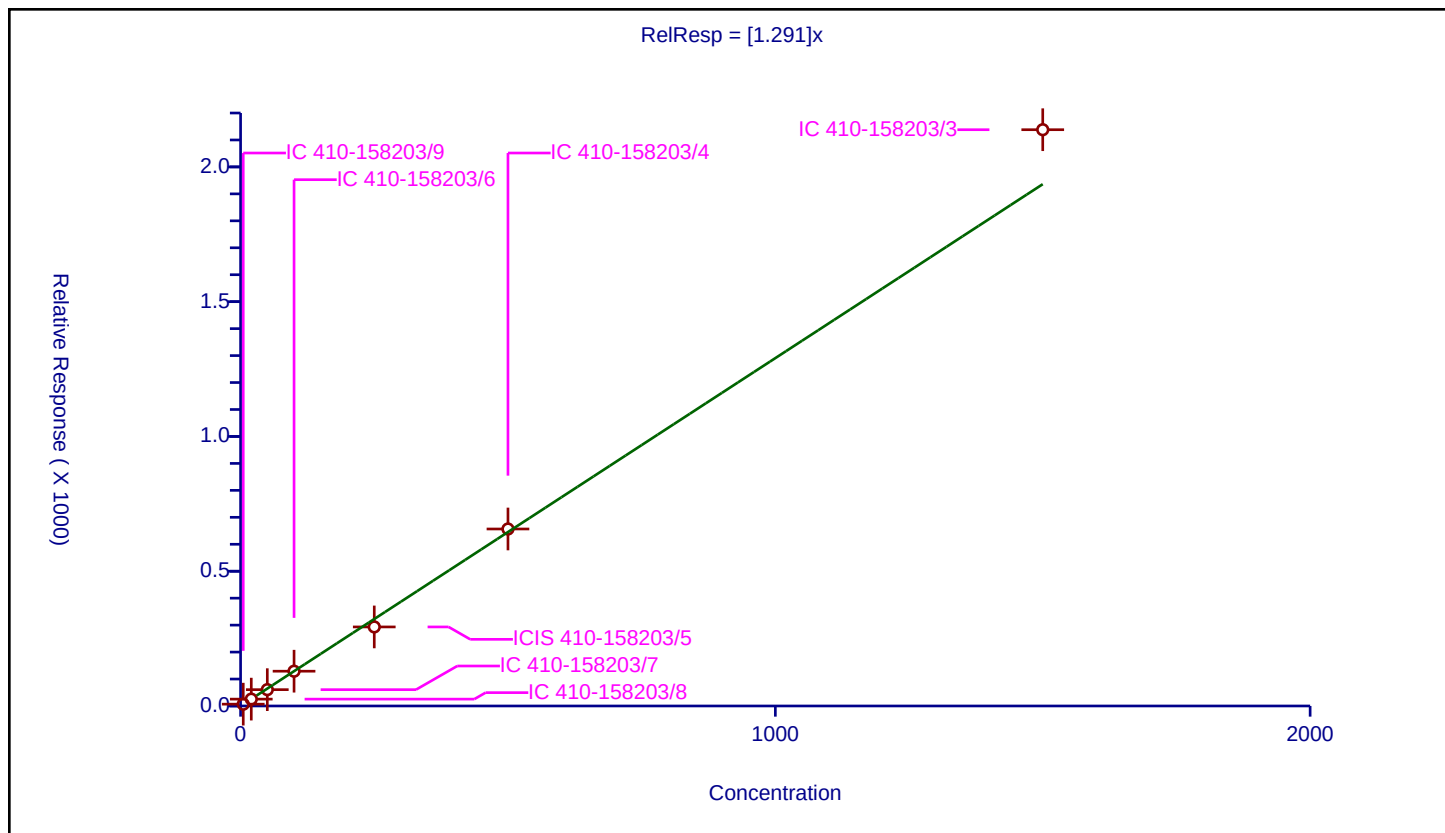
Curve Coefficients

Intercept: 0
Slope: 1.291

Error Coefficients

Standard Error: 938000
Relative Standard Error: 6.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	5.0	6.727192	250.0	299159.0	1.345438	Y
2	IC 410-158203/8	20.0	25.468519	250.0	295826.0	1.273426	Y
3	IC 410-158203/7	50.0	60.626717	250.0	302210.0	1.212534	Y
4	IC 410-158203/6	100.0	129.10987	250.0	286475.0	1.291099	Y
5	ICIS 410-158203/5	250.0	293.338821	250.0	310403.0	1.173355	Y
6	IC 410-158203/4	500.0	656.642186	250.0	268925.0	1.313284	Y
7	IC 410-158203/3	1500.0	2138.090561	250.0	251498.0	1.425394	Y



Calibration

/ Chloroform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

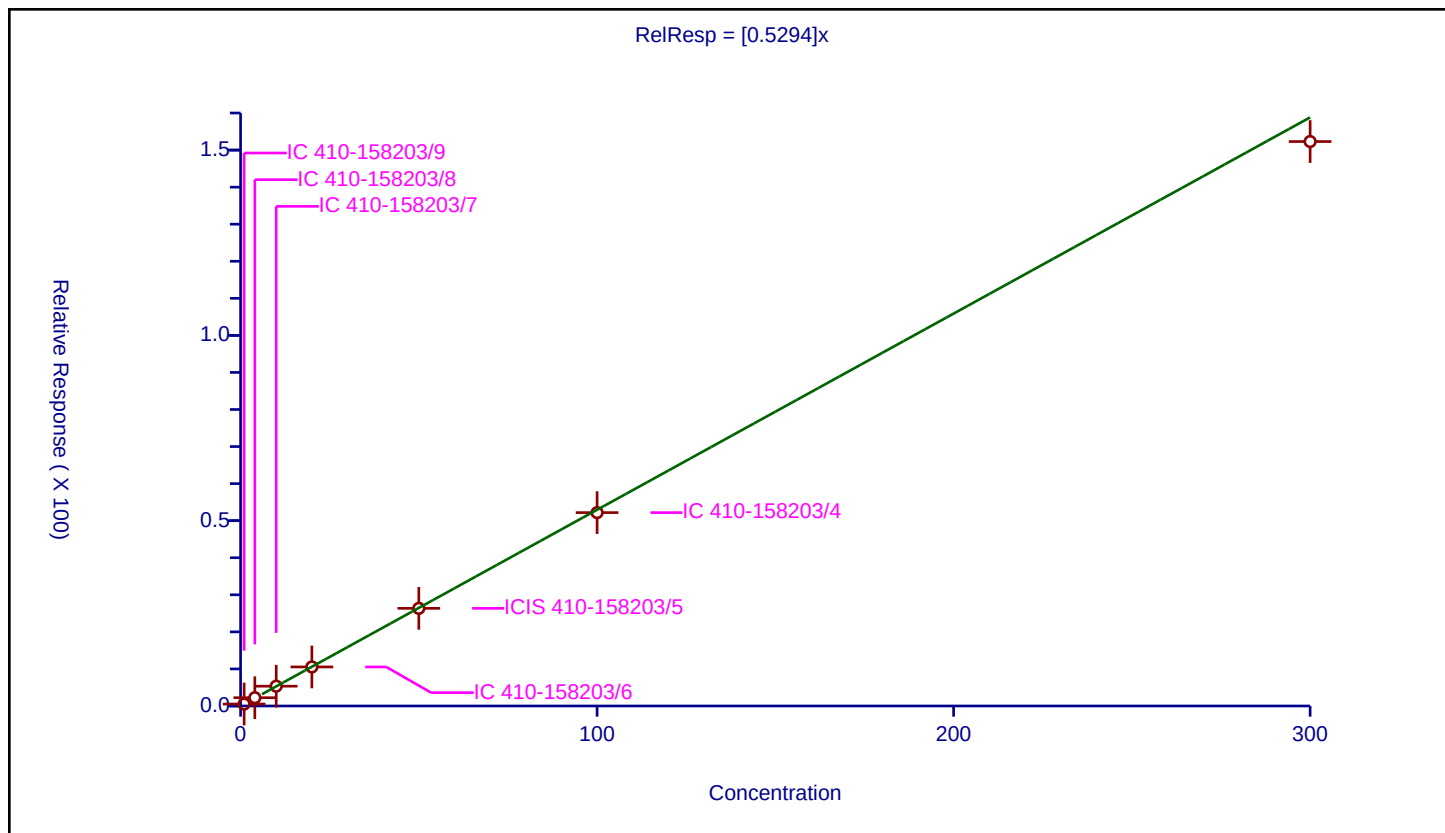
Curve Coefficients

Intercept: 0
Slope: 0.5294

Error Coefficients

Standard Error: 1510000
Relative Standard Error: 2.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.52965	50.0	1110355.0	0.52965	Y
2	IC 410-158203/8	4.0	2.233386	50.0	1105720.0	0.558347	Y
3	IC 410-158203/7	10.0	5.343971	50.0	1097171.0	0.534397	Y
4	IC 410-158203/6	20.0	10.541015	50.0	1109988.0	0.527051	Y
5	ICIS 410-158203/5	50.0	26.343912	50.0	1121707.0	0.526878	Y
6	IC 410-158203/4	100.0	52.173685	50.0	1122725.0	0.521737	Y
7	IC 410-158203/3	300.0	152.302445	50.0	1136140.0	0.507675	Y



Calibration

/ Dibromofluoromethane (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

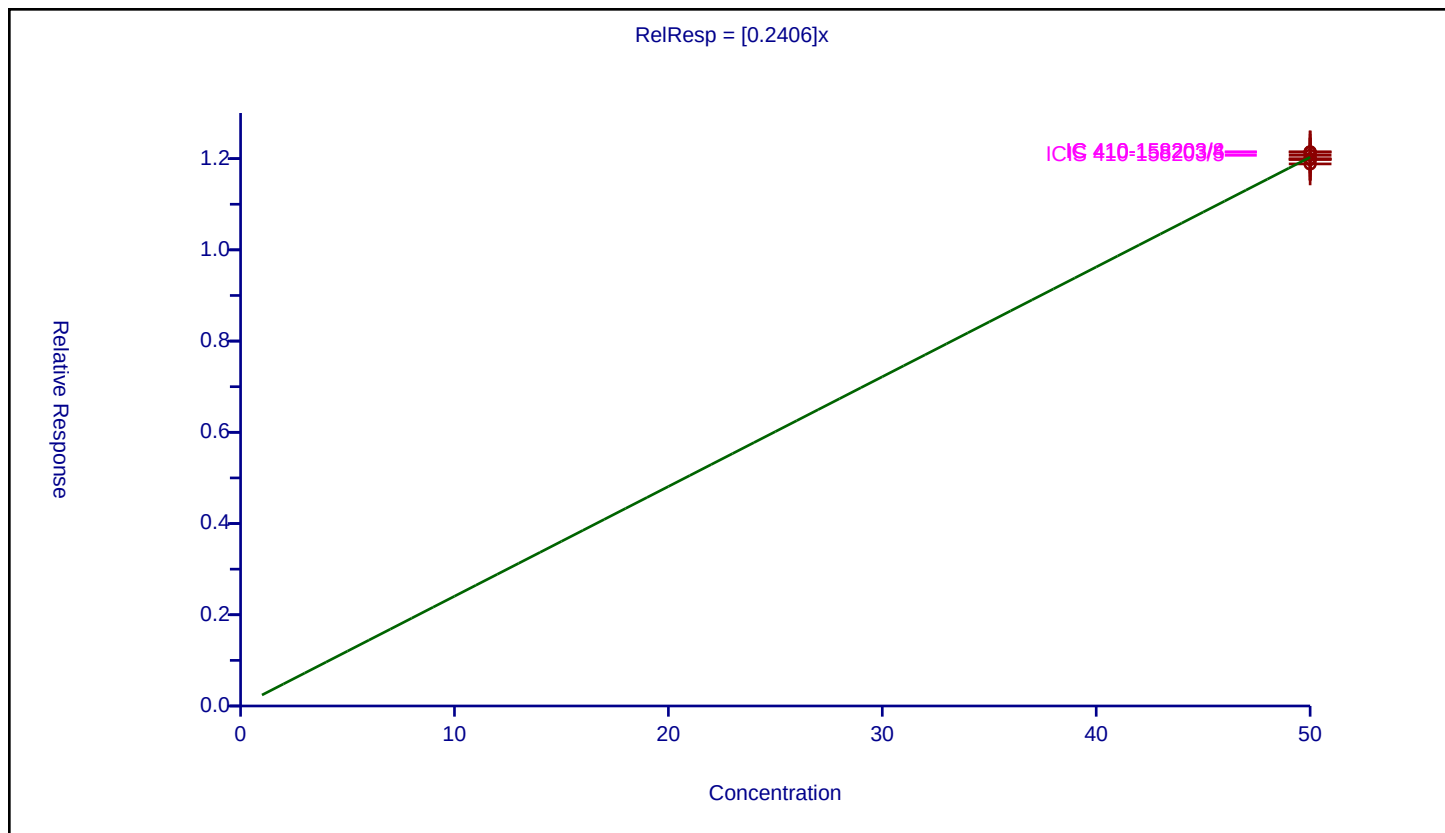
Curve Coefficients

Intercept: 0
Slope: 0.2406

Error Coefficients

Standard Error: 290000
Relative Standard Error: 0.8
Correlation Coefficient: NA
Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/3	50.0	11.884099	50.0	1136140.0	0.237682	Y
2	IC 410-158203/4	50.0	12.148612	50.0	1122725.0	0.242972	Y
3	ICIS 410-158203/5	50.0	12.072627	50.0	1121707.0	0.241453	Y
4	IC 410-158203/6	50.0	11.980985	50.0	1109988.0	0.23962	Y
5	IC 410-158203/7	50.0	11.998175	50.0	1097171.0	0.239964	Y
6	IC 410-158203/8	50.0	12.141953	50.0	1105720.0	0.242839	Y
7	IC 410-158203/9	50.0	11.986707	50.0	1110355.0	0.239734	Y



Calibration

/ 1,1,1-Trichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

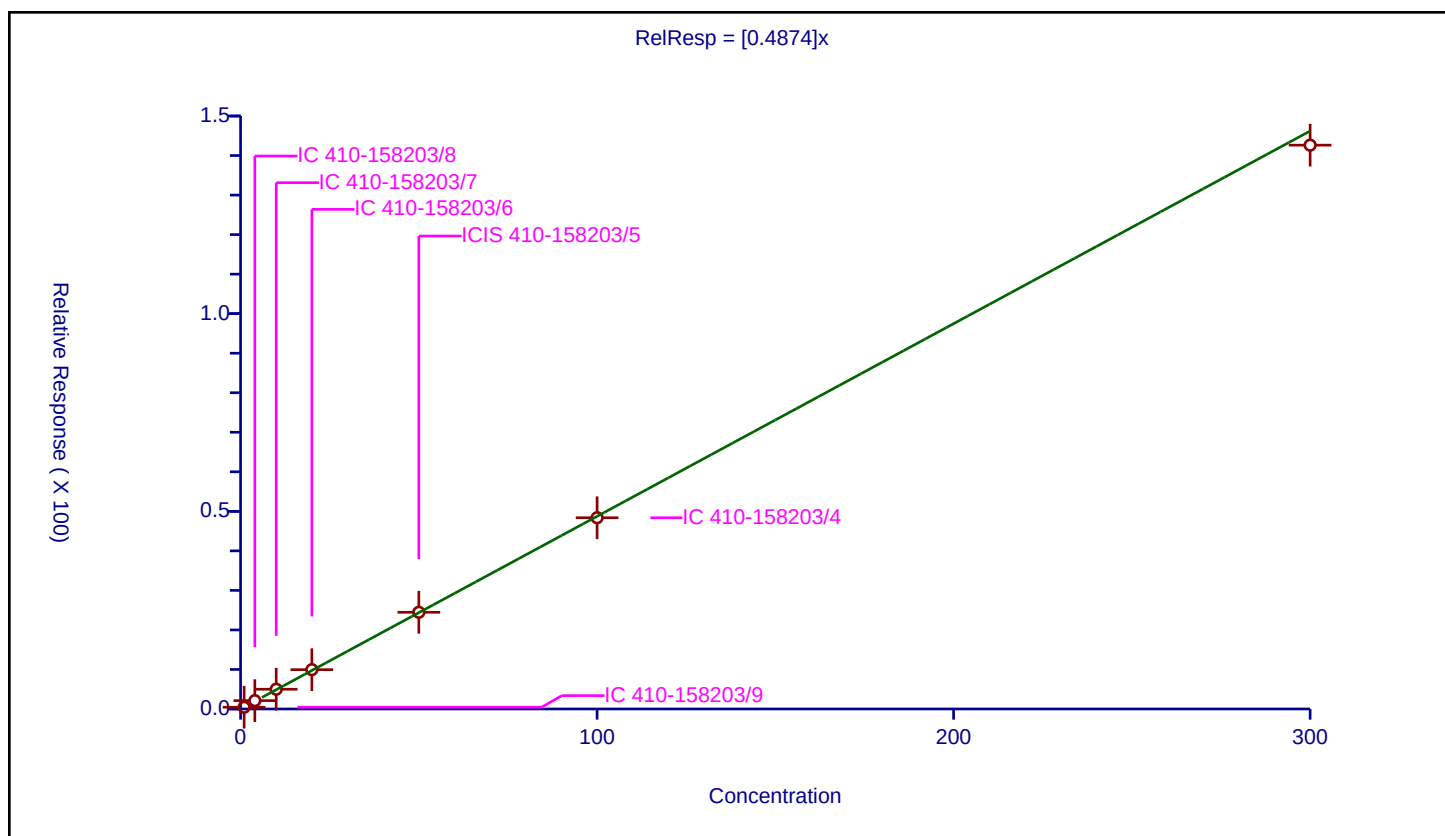
Curve Coefficients

Intercept: 0
Slope: 0.4874

Error Coefficients

Standard Error: 1420000
Relative Standard Error: 5.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.438643	50.0	1110355.0	0.438643	Y
2	IC 410-158203/8	4.0	2.111339	50.0	1105720.0	0.527835	Y
3	IC 410-158203/7	10.0	4.99439	50.0	1097171.0	0.499439	Y
4	IC 410-158203/6	20.0	9.943261	50.0	1109988.0	0.497163	Y
5	ICIS 410-158203/5	50.0	24.460487	50.0	1121707.0	0.48921	Y
6	IC 410-158203/4	100.0	48.37596	50.0	1122725.0	0.48376	Y
7	IC 410-158203/3	300.0	142.624633	50.0	1136140.0	0.475415	Y



Calibration

/ Cyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

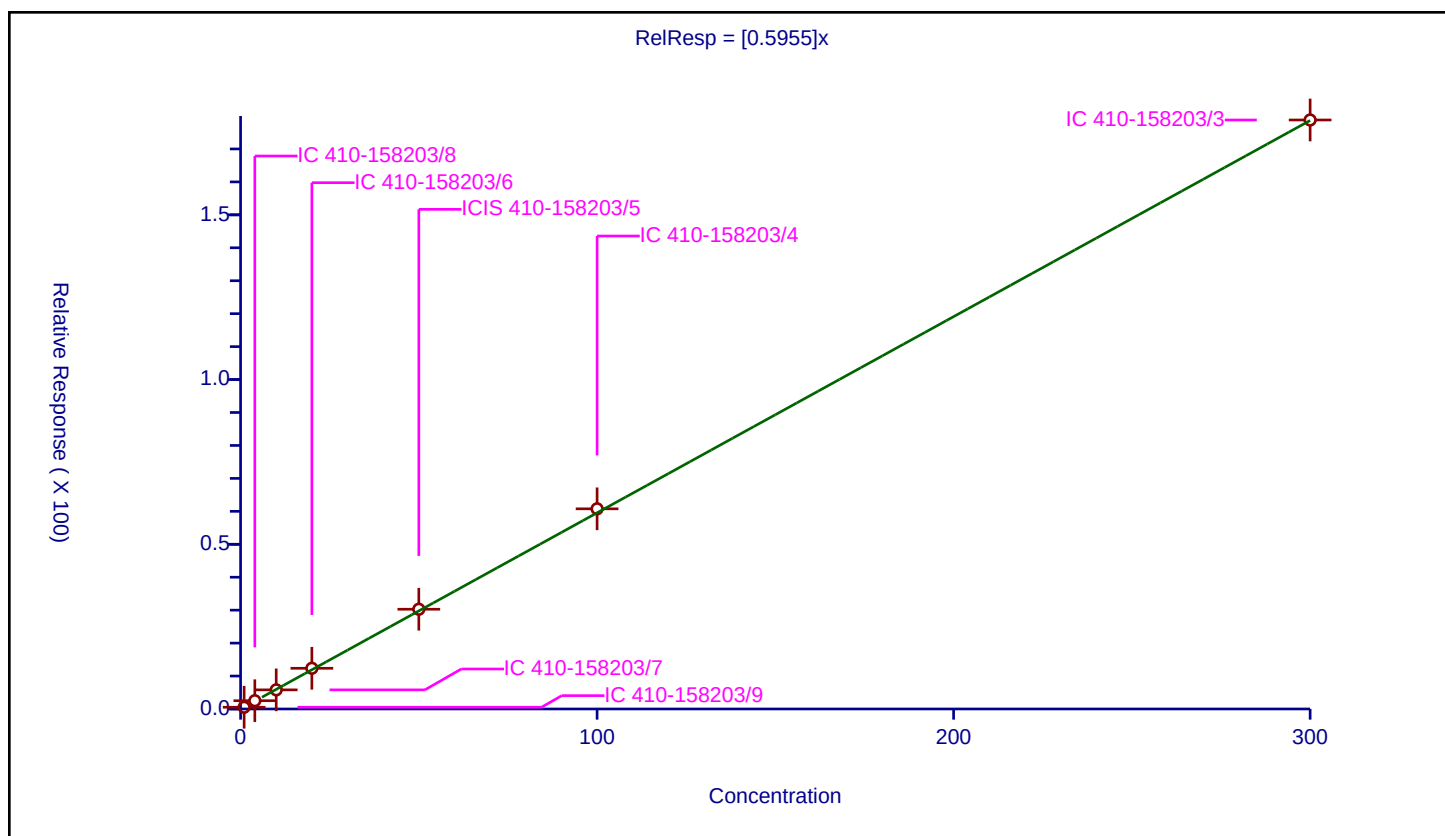
Curve Coefficients

Intercept: 0
Slope: 0.5955

Error Coefficients

Standard Error: 1780000
Relative Standard Error: 5.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.532307	50.0	1110355.0	0.532307	Y
2	IC 410-158203/8	4.0	2.514018	50.0	1105720.0	0.628505	Y
3	IC 410-158203/7	10.0	5.806251	50.0	1097171.0	0.580625	Y
4	IC 410-158203/6	20.0	12.35689	50.0	1109988.0	0.617845	Y
5	ICIS 410-158203/5	50.0	30.280055	50.0	1121707.0	0.605601	Y
6	IC 410-158203/4	100.0	60.76341	50.0	1122725.0	0.607634	Y
7	IC 410-158203/3	300.0	178.792754	50.0	1136140.0	0.595976	Y



Calibration

/ 1,1-Dichloropropene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

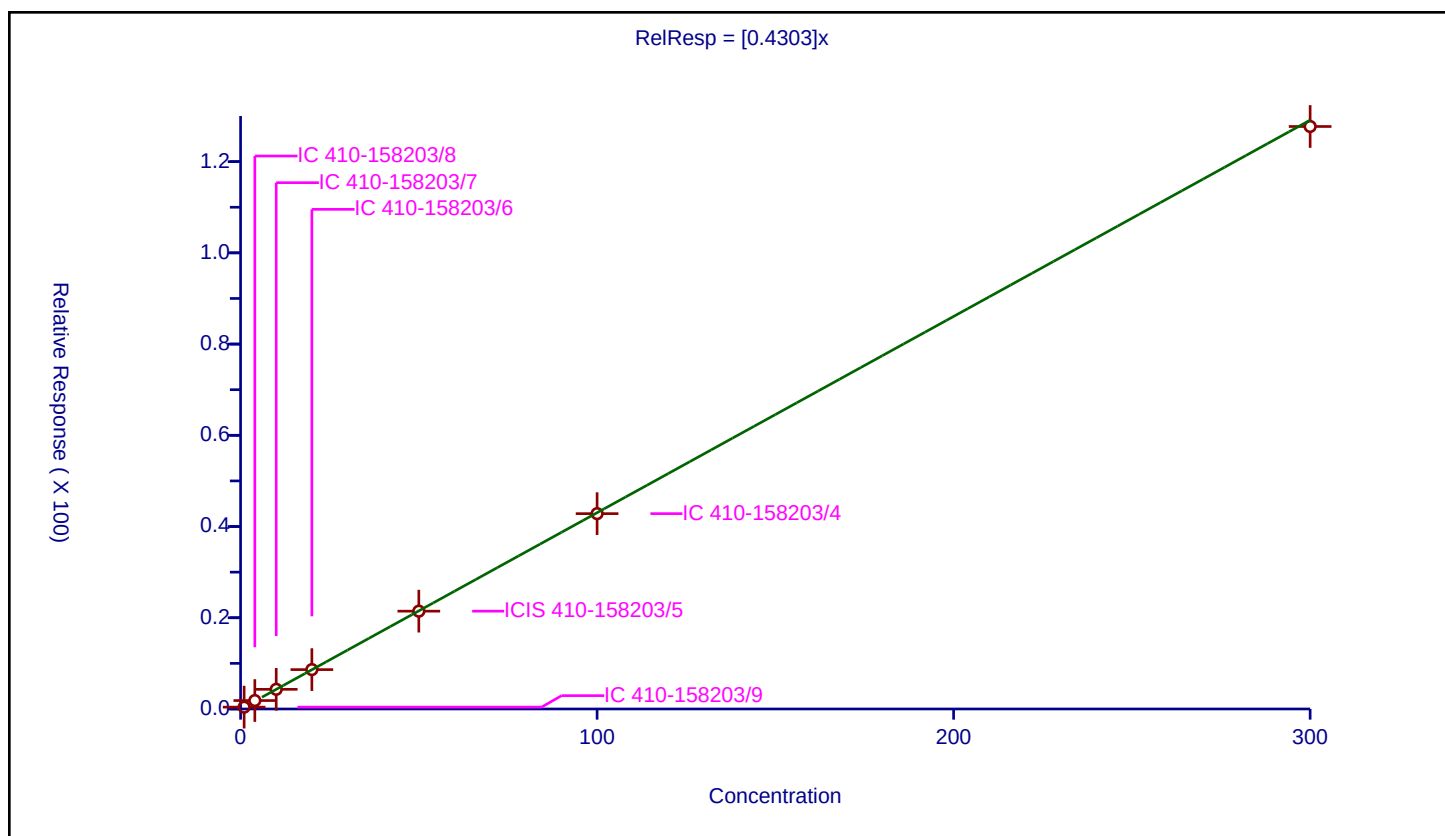
Curve Coefficients

Intercept: 0
 Slope: 0.4303

Error Coefficients

Standard Error: 1270000
 Relative Standard Error: 4.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.403745	50.0	1110355.0	0.403745	Y
2	IC 410-158203/8	4.0	1.851554	50.0	1105720.0	0.462888	Y
3	IC 410-158203/7	10.0	4.31054	50.0	1097171.0	0.431054	Y
4	IC 410-158203/6	20.0	8.631715	50.0	1109988.0	0.431586	Y
5	ICIS 410-158203/5	50.0	21.445707	50.0	1121707.0	0.428914	Y
6	IC 410-158203/4	100.0	42.824868	50.0	1122725.0	0.428249	Y
7	IC 410-158203/3	300.0	127.705036	50.0	1136140.0	0.425683	Y



Calibration

/ Carbon tetrachloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

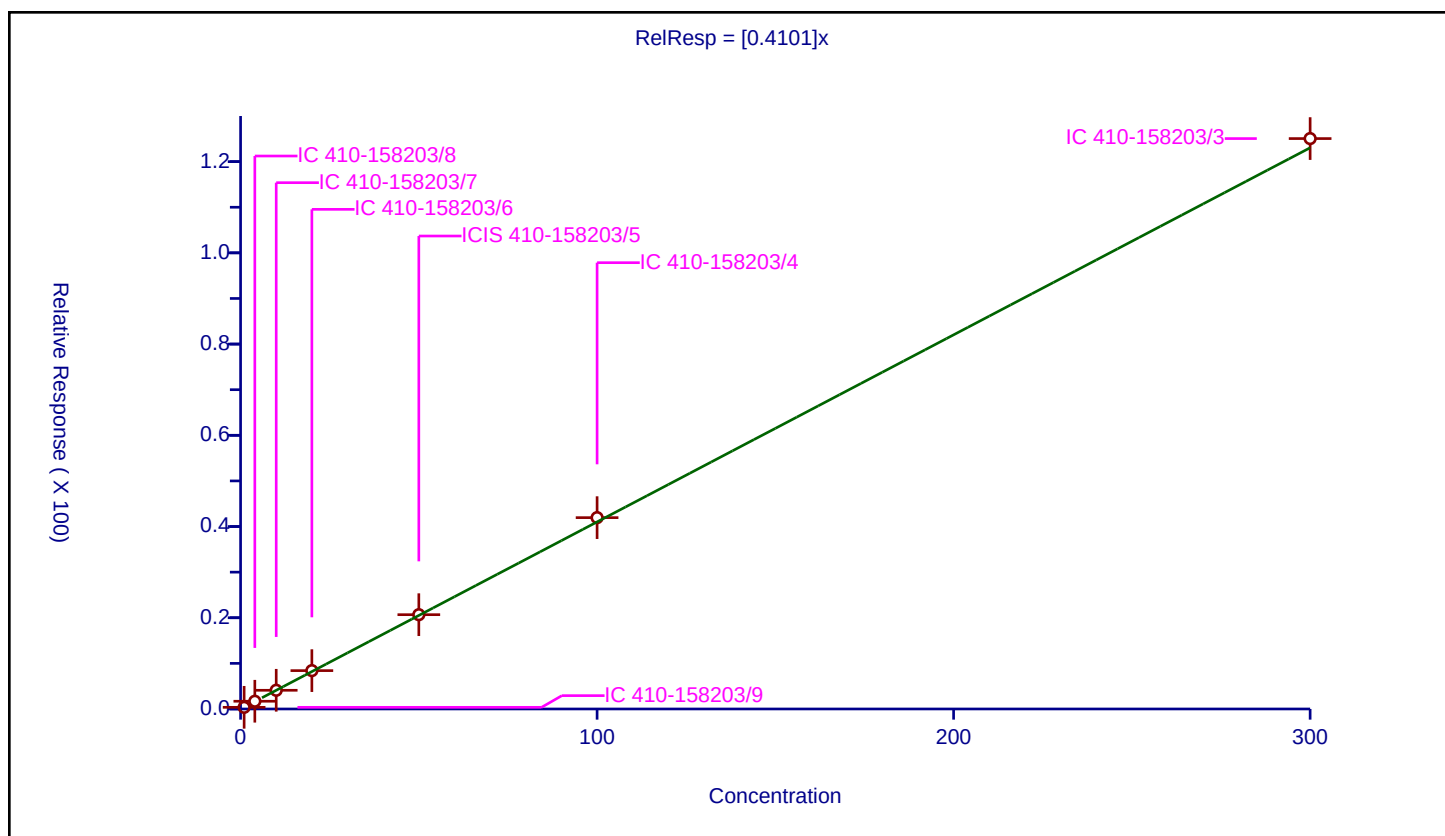
Curve Coefficients

Intercept: 0
 Slope: 0.4101

Error Coefficients

Standard Error: 1240000
 Relative Standard Error: 5.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.365289	50.0	1110355.0	0.365289	Y
2	IC 410-158203/8	4.0	1.70034	50.0	1105720.0	0.425085	Y
3	IC 410-158203/7	10.0	4.101548	50.0	1097171.0	0.410155	Y
4	IC 410-158203/6	20.0	8.410541	50.0	1109988.0	0.420527	Y
5	ICIS 410-158203/5	50.0	20.677414	50.0	1121707.0	0.413548	Y
6	IC 410-158203/4	100.0	41.947271	50.0	1122725.0	0.419473	Y
7	IC 410-158203/3	300.0	125.05149	50.0	1136140.0	0.416838	Y



Calibration

/ Isobutyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

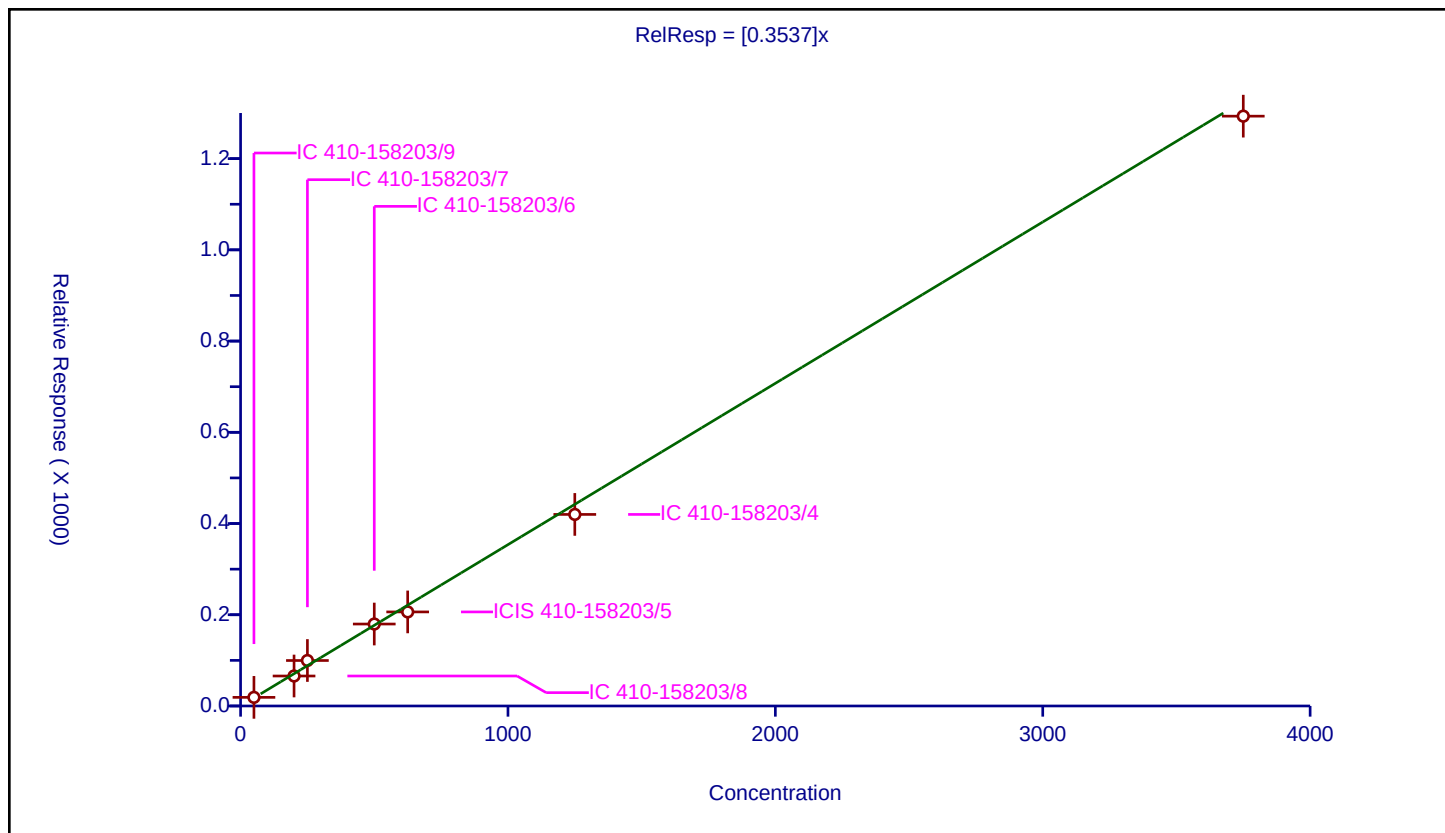
Curve Coefficients

Intercept: 0
 Slope: 0.3537

Error Coefficients

Standard Error: 580000
 Relative Standard Error: 7.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	50.0	18.905498	250.0	299159.0	0.37811	Y
2	IC 410-158203/8	200.0	65.75825	250.0	295826.0	0.328791	Y
3	IC 410-158203/7	250.0	99.693094	250.0	302210.0	0.398772	Y
4	IC 410-158203/6	500.0	179.662274	250.0	286475.0	0.359325	Y
5	ICIS 410-158203/5	625.0	206.227066	250.0	310403.0	0.329963	Y
6	IC 410-158203/4	1250.0	419.943293	250.0	268925.0	0.335955	Y
7	IC 410-158203/3	3750.0	1293.124597	250.0	251498.0	0.344833	Y



Calibration

/ 1,2-Dichloroethane-d4 (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

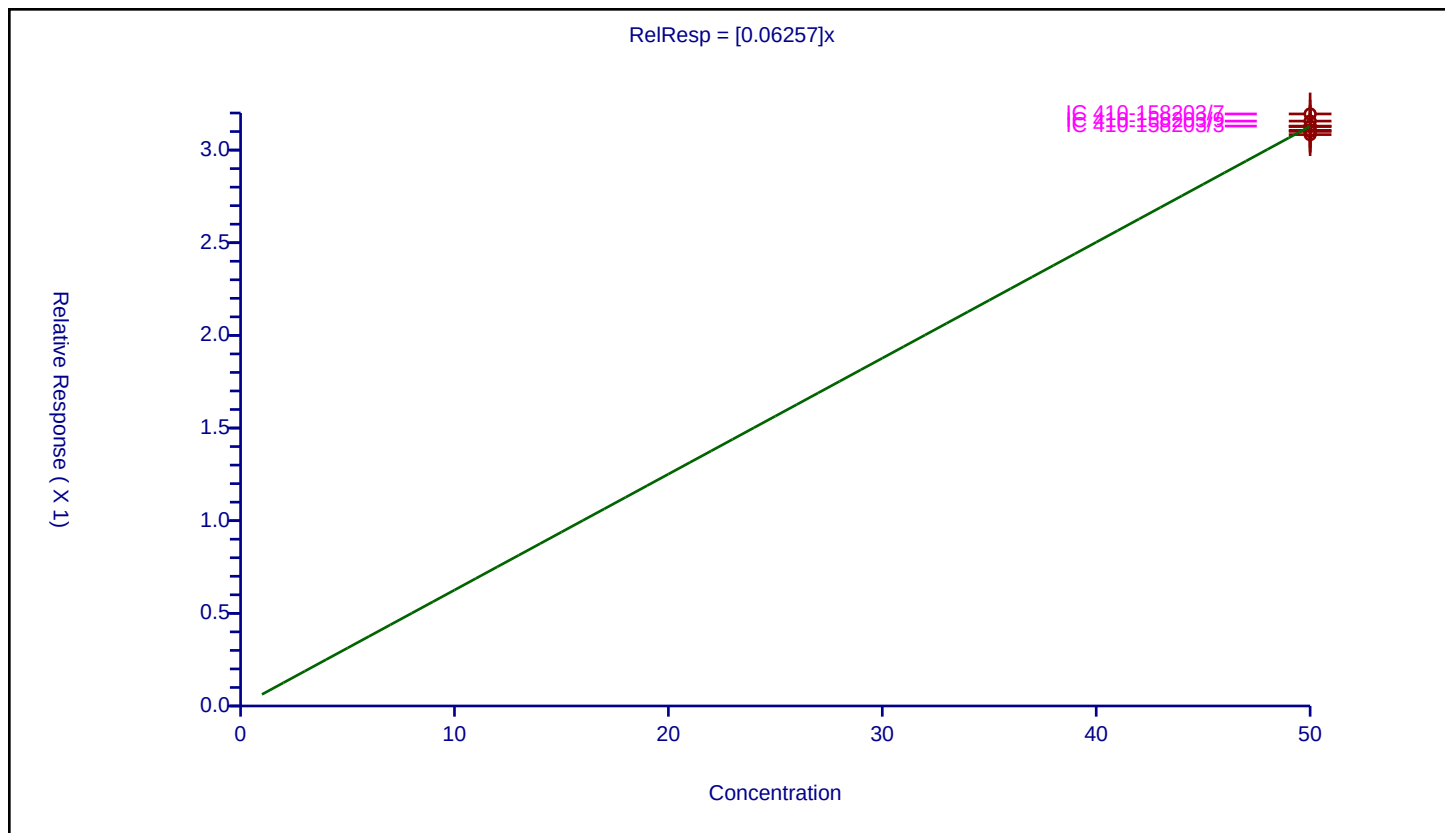
Curve Coefficients

Intercept: 0
 Slope: 0.06257

Error Coefficients

Standard Error: 75300
 Relative Standard Error: 1.2
 Correlation Coefficient: 0.00000000000000000000
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/3	50.0	3.129456	50.0	1136140.0	0.062589	Y
2	IC 410-158203/4	50.0	3.08348	50.0	1122725.0	0.06167	Y
3	ICIS 410-158203/5	50.0	3.106471	50.0	1121707.0	0.062129	Y
4	IC 410-158203/6	50.0	3.100664	50.0	1109988.0	0.062013	Y
5	IC 410-158203/7	50.0	3.194899	50.0	1097171.0	0.063898	Y
6	IC 410-158203/8	50.0	3.126696	50.0	1105720.0	0.062534	Y
7	IC 410-158203/9	50.0	3.156333	50.0	1110355.0	0.063127	Y



Calibration

/ Benzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

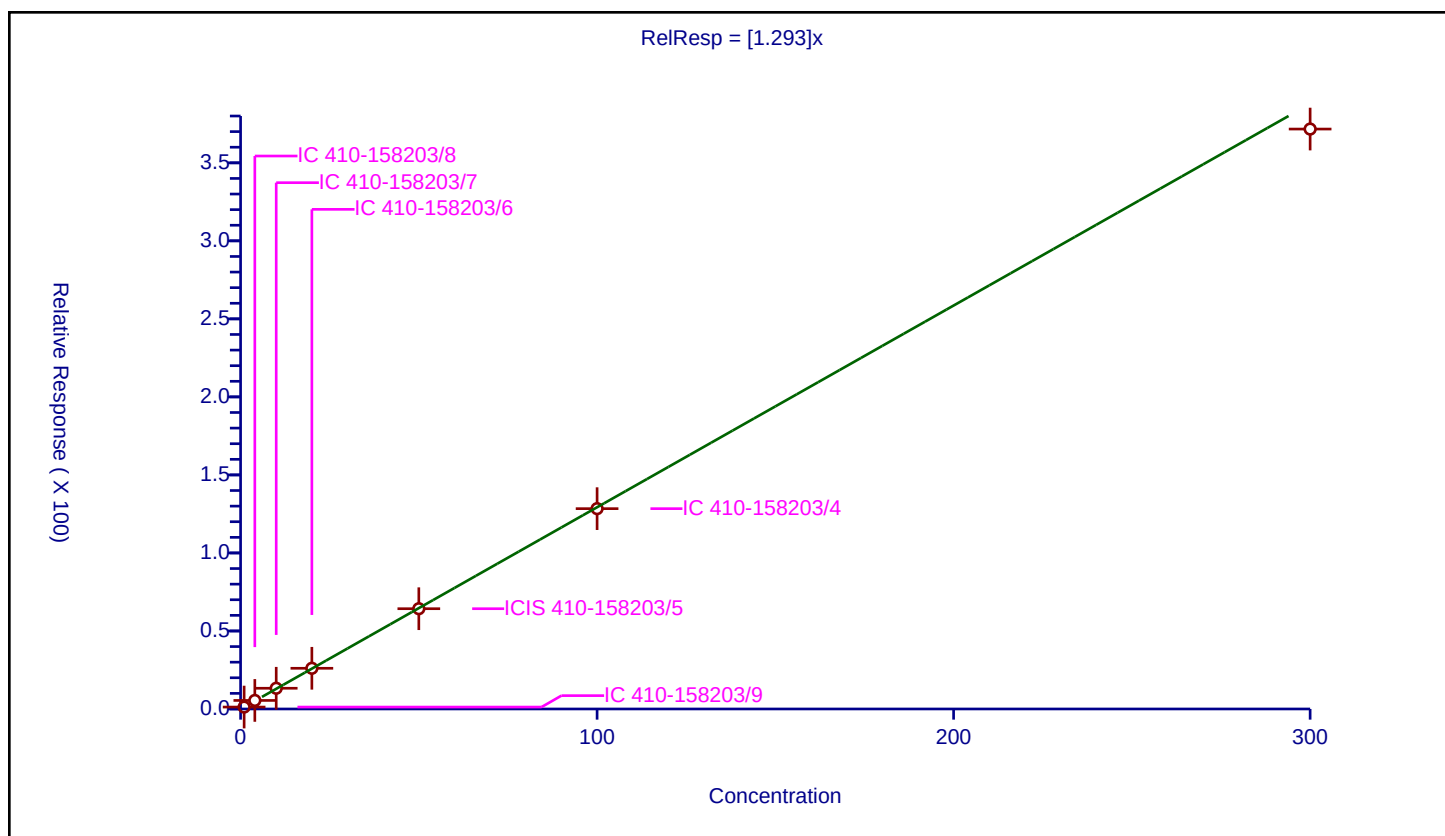
Curve Coefficients

Intercept: 0
Slope: 1.293

Error Coefficients

Standard Error: 3700000
Relative Standard Error: 3.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	1.237532	50.0	1110355.0	1.237532	Y
2	IC 410-158203/8	4.0	5.483079	50.0	1105720.0	1.37077	Y
3	IC 410-158203/7	10.0	13.282843	50.0	1097171.0	1.328284	Y
4	IC 410-158203/6	20.0	26.089021	50.0	1109988.0	1.304451	Y
5	ICIS 410-158203/5	50.0	64.268789	50.0	1121707.0	1.285376	Y
6	IC 410-158203/4	100.0	128.386693	50.0	1122725.0	1.283867	Y
7	IC 410-158203/3	300.0	371.651381	50.0	1136140.0	1.238838	Y



Calibration

/ 1,2-Dichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

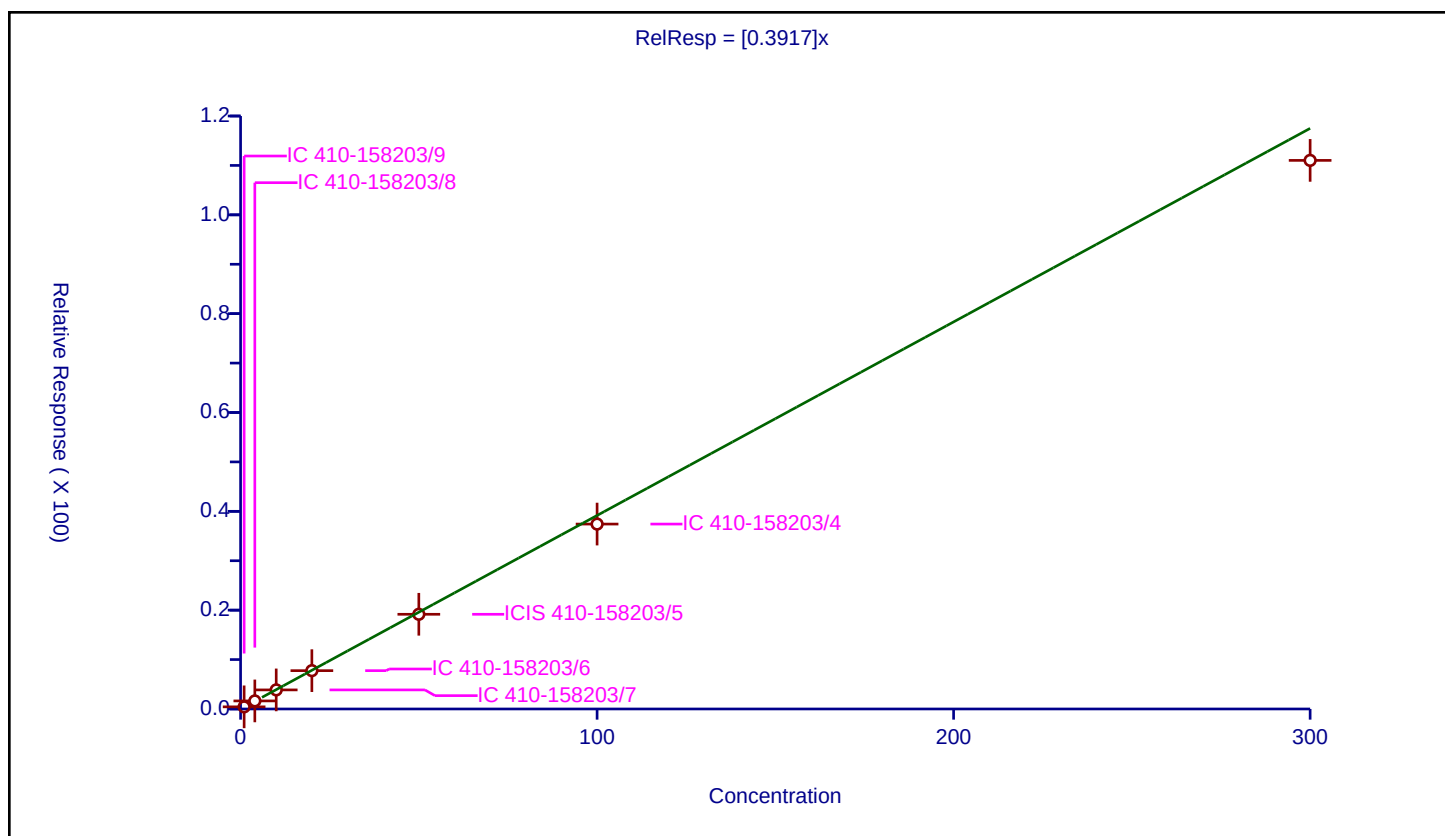
Curve Coefficients

Intercept: 0
 Slope: 0.3917

Error Coefficients

Standard Error: 1100000
 Relative Standard Error: 5.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.431979	50.0	1110355.0	0.431979	Y
2	IC 410-158203/8	4.0	1.631471	50.0	1105720.0	0.407868	Y
3	IC 410-158203/7	10.0	3.863117	50.0	1097171.0	0.386312	Y
4	IC 410-158203/6	20.0	7.757967	50.0	1109988.0	0.387898	Y
5	ICIS 410-158203/5	50.0	19.166502	50.0	1121707.0	0.38333	Y
6	IC 410-158203/4	100.0	37.42359	50.0	1122725.0	0.374236	Y
7	IC 410-158203/3	300.0	111.019857	50.0	1136140.0	0.370066	Y



Calibration

/ Tert-amyl methyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

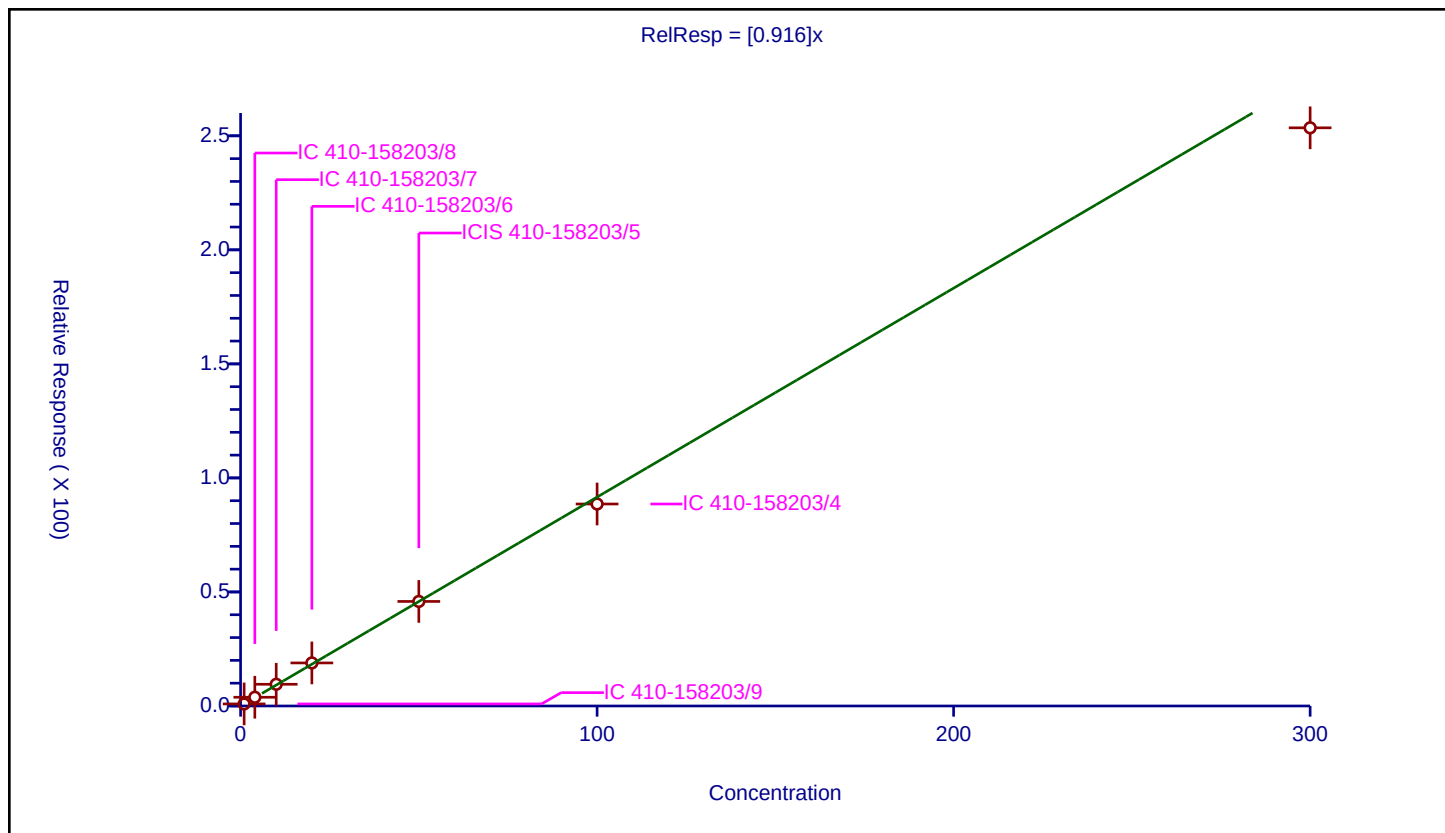
Curve Coefficients

Intercept: 0
 Slope: 0.916

Error Coefficients

Standard Error: 2530000
 Relative Standard Error: 4.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.910655	50.0	1110355.0	0.910655	Y
2	IC 410-158203/8	4.0	3.830264	50.0	1105720.0	0.957566	Y
3	IC 410-158203/7	10.0	9.520394	50.0	1097171.0	0.952039	Y
4	IC 410-158203/6	20.0	18.880564	50.0	1109988.0	0.944028	Y
5	ICIS 410-158203/5	50.0	45.842319	50.0	1121707.0	0.916846	Y
6	IC 410-158203/4	100.0	88.570131	50.0	1122725.0	0.885701	Y
7	IC 410-158203/3	300.0	253.510659	50.0	1136140.0	0.845036	Y



Calibration

/ n-Heptane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

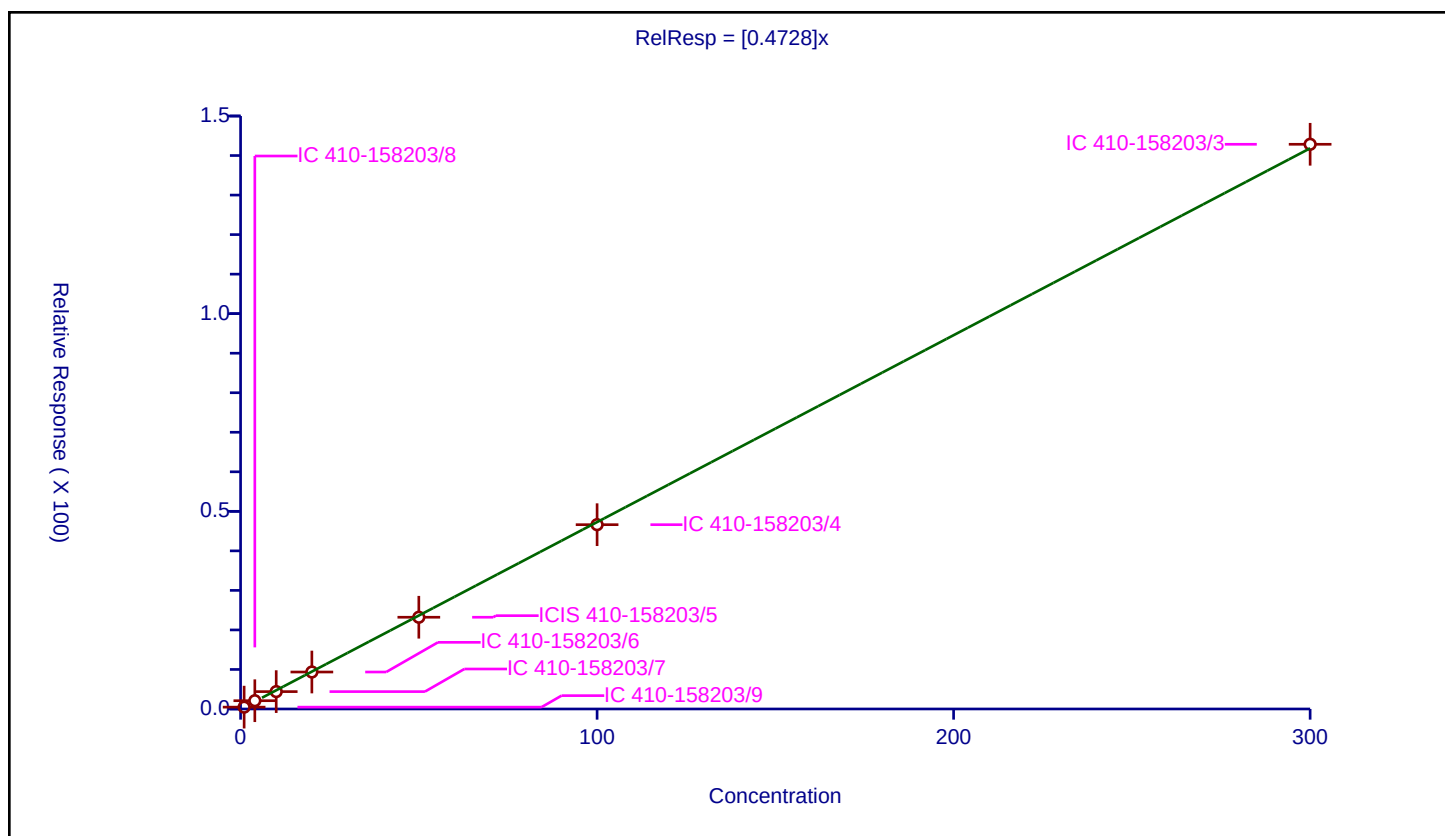
Curve Coefficients

Intercept: 0
 Slope: 0.4728

Error Coefficients

Standard Error: 1410000
 Relative Standard Error: 5.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.471201	50.0	1110355.0	0.471201	Y
2	IC 410-158203/8	4.0	2.097321	50.0	1105720.0	0.52433	Y
3	IC 410-158203/7	10.0	4.397446	50.0	1097171.0	0.439745	Y
4	IC 410-158203/6	20.0	9.354606	50.0	1109988.0	0.46773	Y
5	ICIS 410-158203/5	50.0	23.206684	50.0	1121707.0	0.464134	Y
6	IC 410-158203/4	100.0	46.622192	50.0	1122725.0	0.466222	Y
7	IC 410-158203/3	300.0	142.850793	50.0	1136140.0	0.476169	Y



Calibration

/ n-Butanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

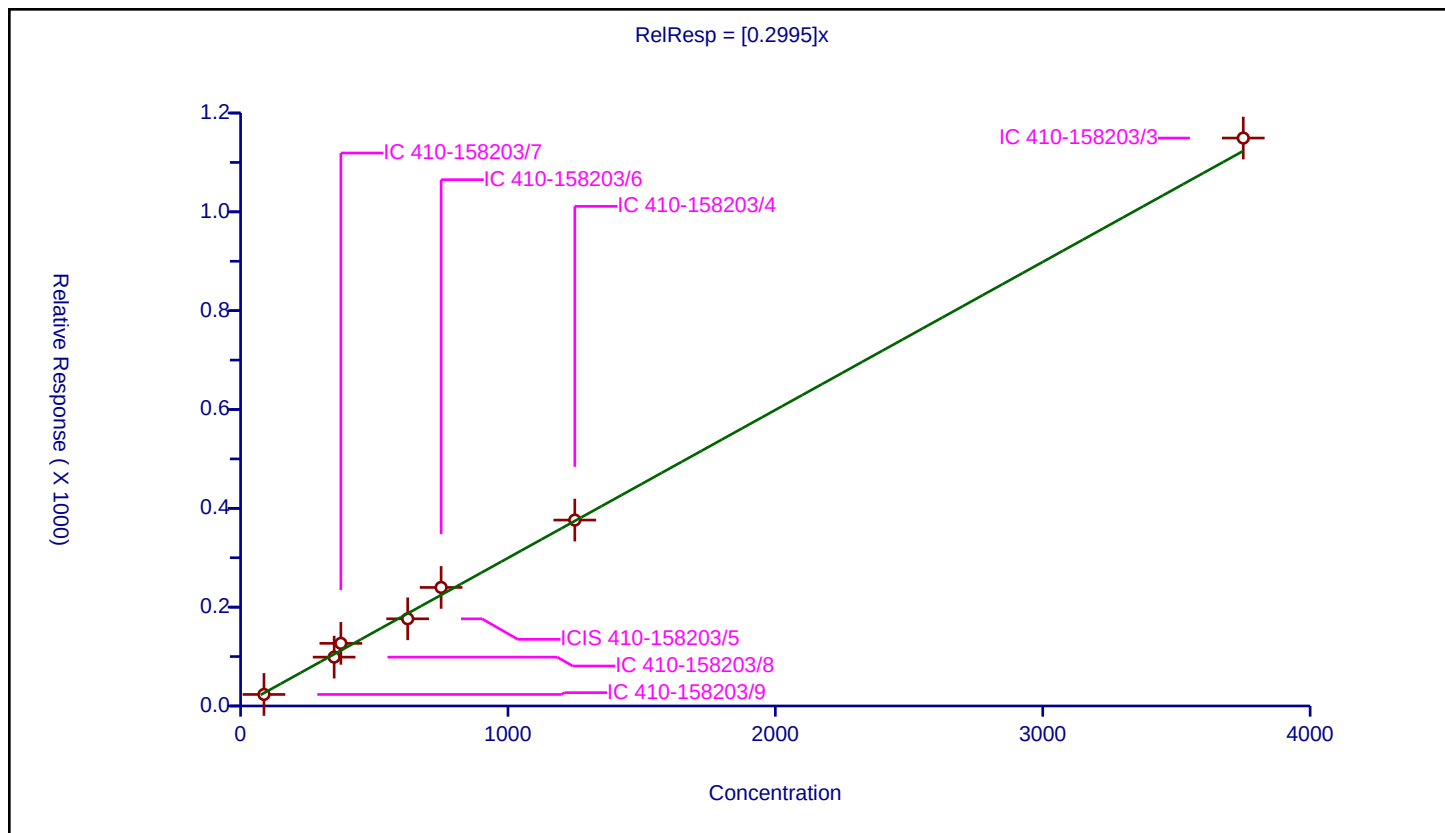
Curve Coefficients

Intercept: 0
 Slope: 0.2995

Error Coefficients

Standard Error: 526000
 Relative Standard Error: 8.2
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	87.5	23.323717	250.0	299159.0	0.266557	Y
2	IC 410-158203/8	350.0	98.908649	250.0	295826.0	0.282596	Y
3	IC 410-158203/7	375.0	126.752093	250.0	302210.0	0.338006	Y
4	ICIS 410-158203/5	625.0	176.445621	250.0	310403.0	0.282313	Y
5	IC 410-158203/6	750.0	239.883061	250.0	286475.0	0.319844	Y
6	IC 410-158203/4	1250.0	376.245236	250.0	268925.0	0.300996	Y
7	IC 410-158203/3	3750.0	1149.330213	250.0	251498.0	0.306488	Y



Calibration

/ Trichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

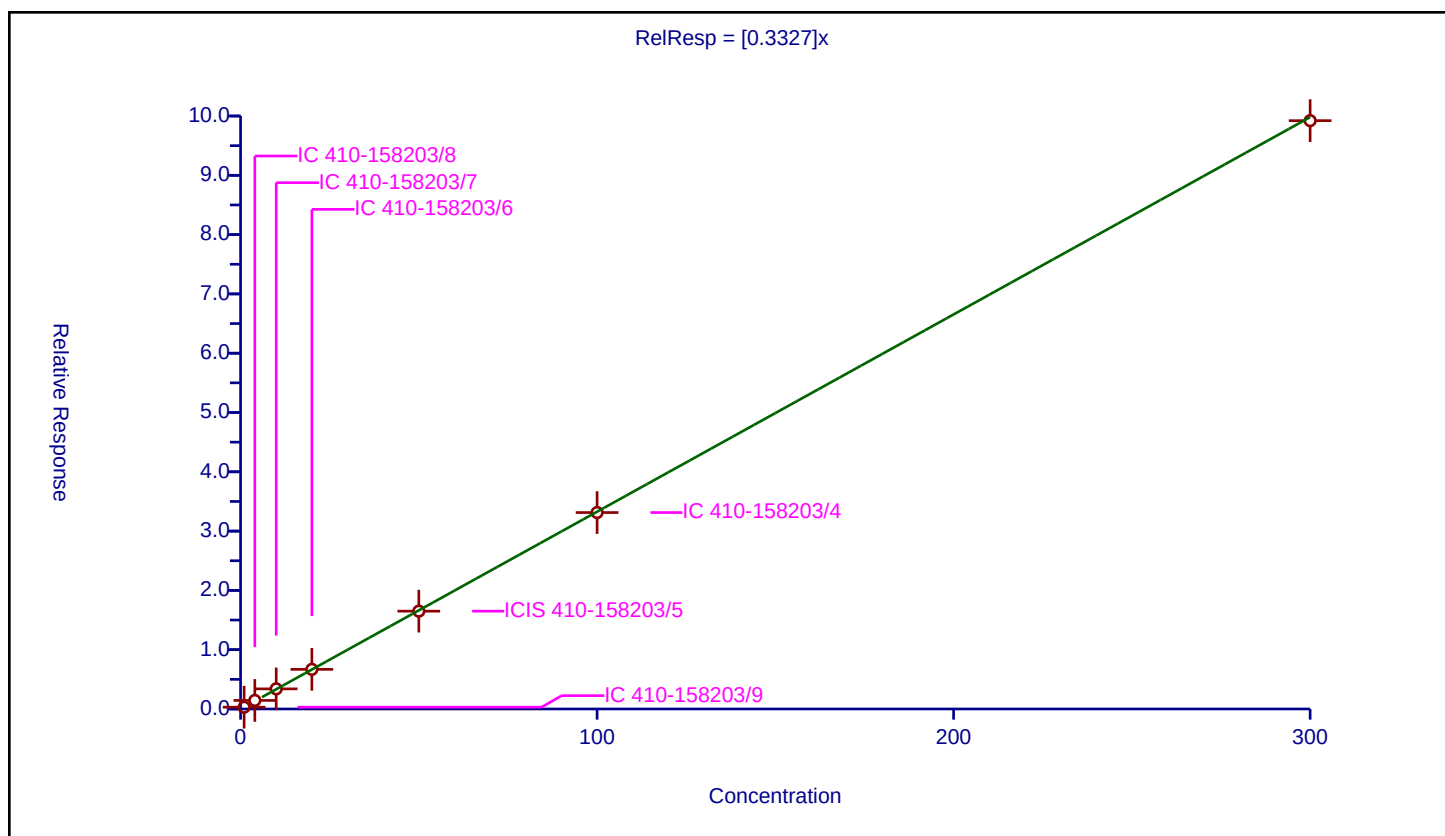
Curve Coefficients

Intercept: 0
Slope: 0.3327

Error Coefficients

Standard Error: 983000
Relative Standard Error: 5.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.302471	50.0	1110355.0	0.302471	Y
2	IC 410-158203/8	4.0	1.442951	50.0	1105720.0	0.360738	Y
3	IC 410-158203/7	10.0	3.393318	50.0	1097171.0	0.339332	Y
4	IC 410-158203/6	20.0	6.684712	50.0	1109988.0	0.334236	Y
5	ICIS 410-158203/5	50.0	16.498515	50.0	1121707.0	0.32997	Y
6	IC 410-158203/4	100.0	33.125788	50.0	1122725.0	0.331258	Y
7	IC 410-158203/3	300.0	99.217922	50.0	1136140.0	0.330726	Y



Calibration

/ Methylcyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

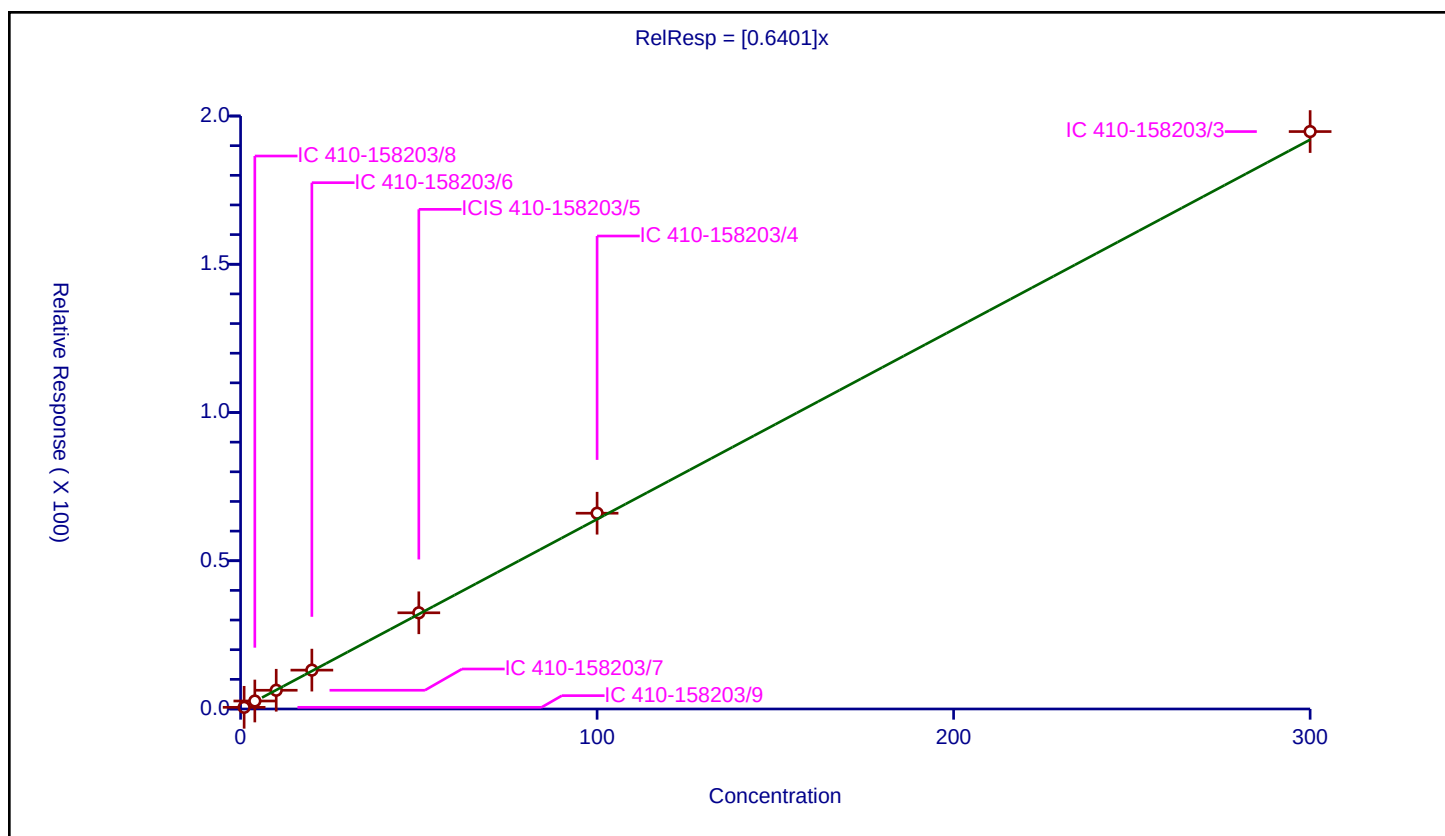
Curve Coefficients

Intercept: 0
Slope: 0.6401

Error Coefficients

Standard Error: 1930000
Relative Standard Error: 5.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.562072	50.0	1110355.0	0.562072	Y
2	IC 410-158203/8	4.0	2.690735	50.0	1105720.0	0.672684	Y
3	IC 410-158203/7	10.0	6.318751	50.0	1097171.0	0.631875	Y
4	IC 410-158203/6	20.0	13.107619	50.0	1109988.0	0.655381	Y
5	ICIS 410-158203/5	50.0	32.444257	50.0	1121707.0	0.648885	Y
6	IC 410-158203/4	100.0	66.033757	50.0	1122725.0	0.660338	Y
7	IC 410-158203/3	300.0	194.760197	50.0	1136140.0	0.649201	Y



Calibration

/ 1,2-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

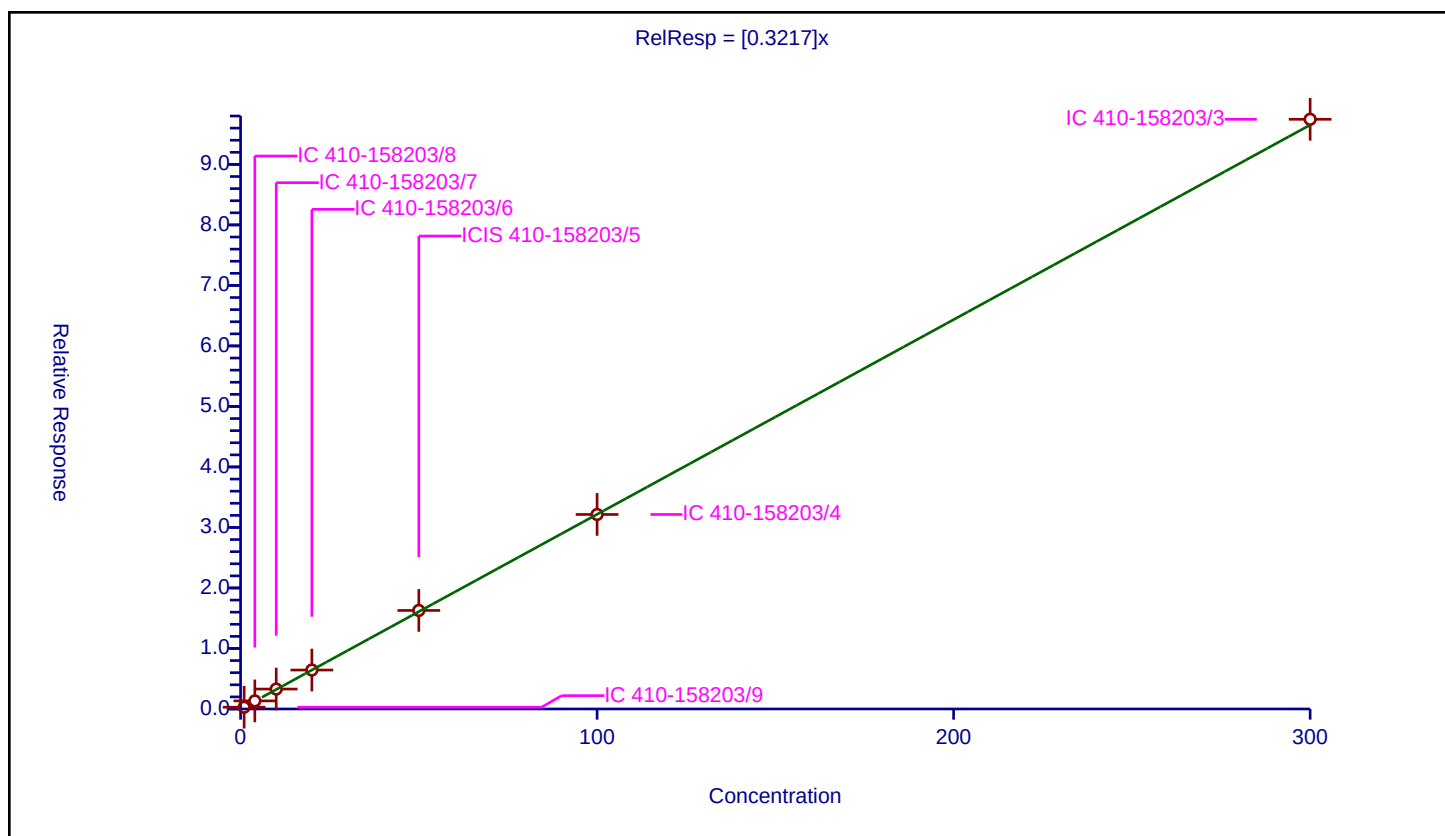
Curve Coefficients

Intercept: 0
 Slope: 0.3217

Error Coefficients

Standard Error: 965000
 Relative Standard Error: 4.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.29459	50.0	1110355.0	0.29459	Y
2	IC 410-158203/8	4.0	1.33655	50.0	1105720.0	0.334137	Y
3	IC 410-158203/7	10.0	3.295977	50.0	1097171.0	0.329598	Y
4	IC 410-158203/6	20.0	6.435025	50.0	1109988.0	0.321751	Y
5	ICIS 410-158203/5	50.0	16.286472	50.0	1121707.0	0.325729	Y
6	IC 410-158203/4	100.0	32.146162	50.0	1122725.0	0.321462	Y
7	IC 410-158203/3	300.0	97.459336	50.0	1136140.0	0.324864	Y



Calibration

/ 2-ethoxy-2-methyl butane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

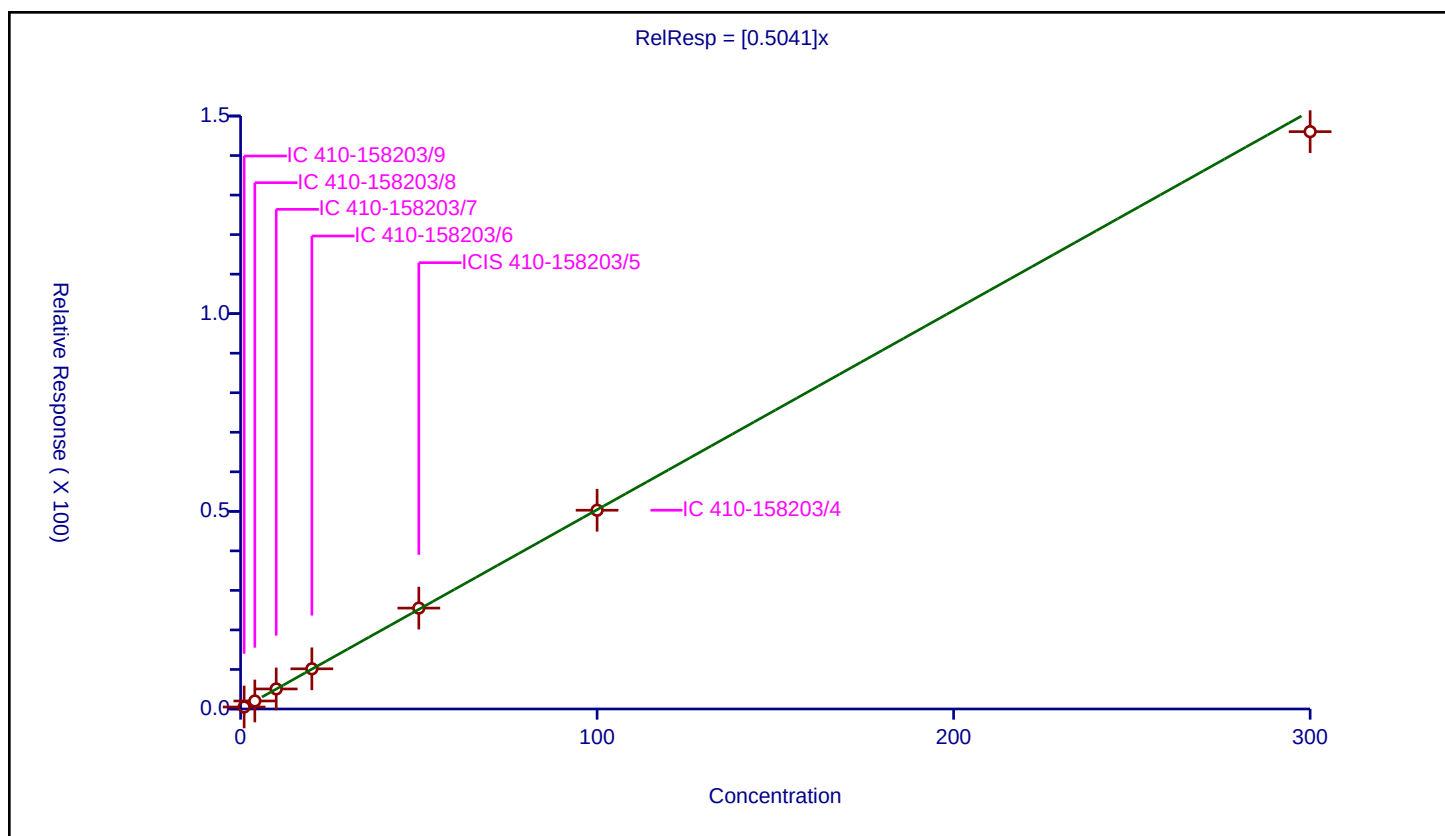
Curve Coefficients

Intercept: 0
 Slope: 0.5041

Error Coefficients

Standard Error: 1450000
 Relative Standard Error: 1.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.505604	50.0	1110355.0	0.505604	Y
2	IC 410-158203/8	4.0	2.03008	50.0	1105720.0	0.50752	Y
3	IC 410-158203/7	10.0	5.071999	50.0	1097171.0	0.5072	Y
4	IC 410-158203/6	20.0	10.161551	50.0	1109988.0	0.508078	Y
5	ICIS 410-158203/5	50.0	25.521816	50.0	1121707.0	0.510436	Y
6	IC 410-158203/4	100.0	50.278875	50.0	1122725.0	0.502789	Y
7	IC 410-158203/3	300.0	146.047142	50.0	1136140.0	0.486824	Y



Calibration

/ Methyl methacrylate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

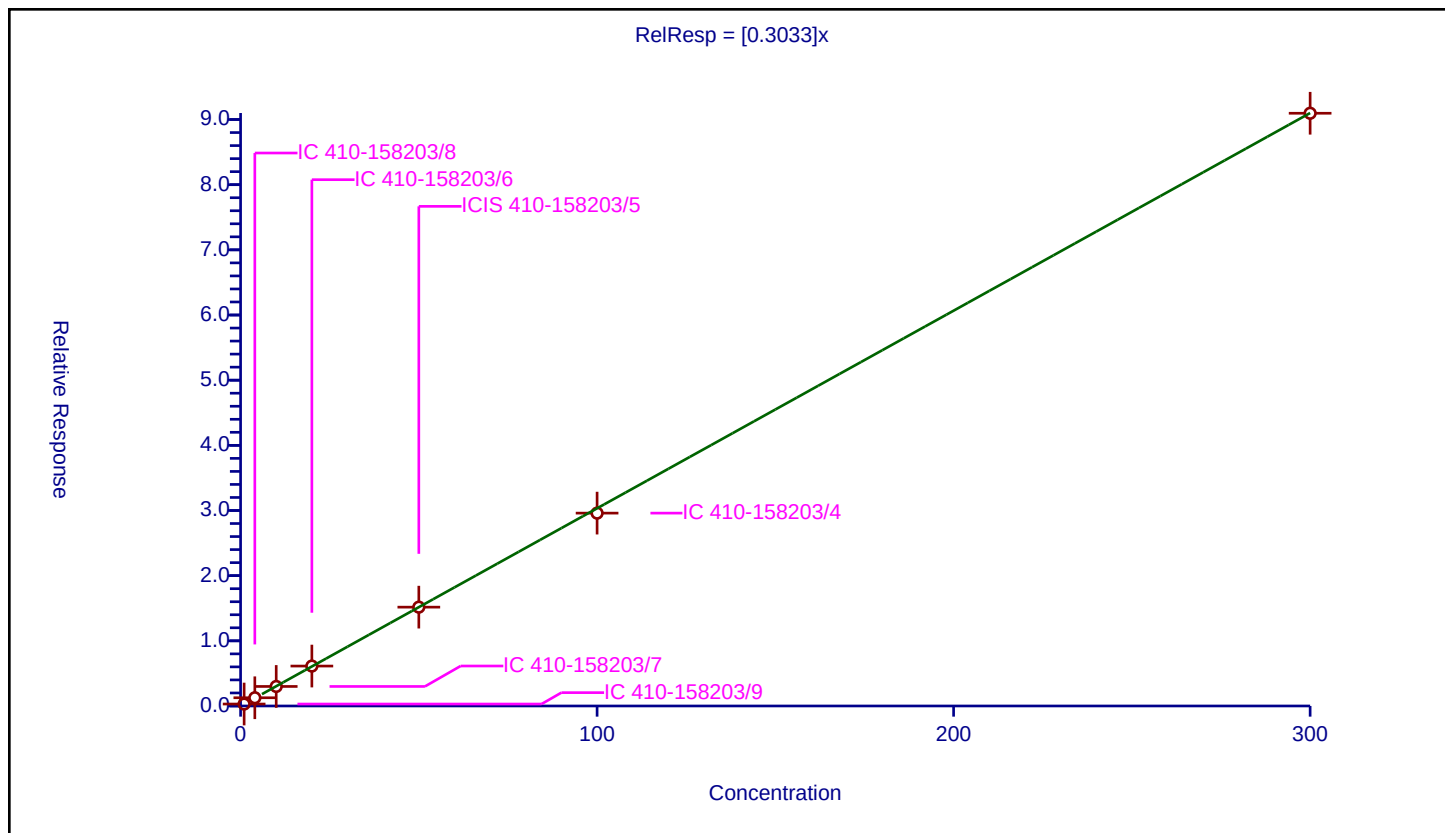
Curve Coefficients

Intercept: 0
Slope: 0.3033

Error Coefficients

Standard Error: 899000
Relative Standard Error: 2.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.299544	50.0	1110355.0	0.299544	Y
2	IC 410-158203/8	4.0	1.261079	50.0	1105720.0	0.31527	Y
3	IC 410-158203/7	10.0	2.995841	50.0	1097171.0	0.299584	Y
4	IC 410-158203/6	20.0	6.126823	50.0	1109988.0	0.306341	Y
5	ICIS 410-158203/5	50.0	15.168355	50.0	1121707.0	0.303367	Y
6	IC 410-158203/4	100.0	29.597586	50.0	1122725.0	0.295976	Y
7	IC 410-158203/3	300.0	90.962029	50.0	1136140.0	0.303207	Y



Calibration

/ 1,4-Dioxane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

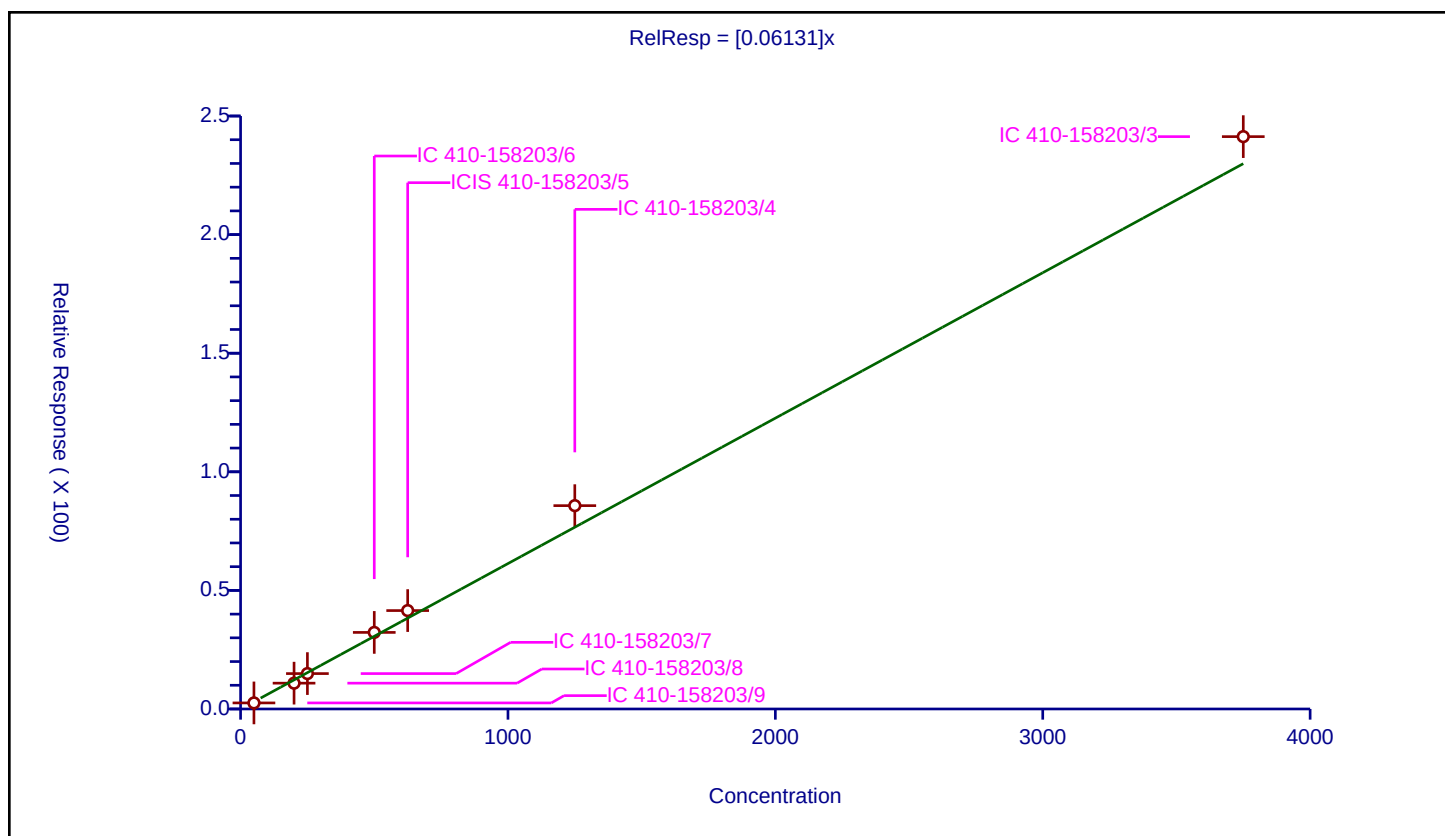
Curve Coefficients

Intercept: 0
Slope: 0.06131

Error Coefficients

Standard Error: 109000
Relative Standard Error: 10.6
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	50.0	2.556333	250.0	299159.0	0.051127	Y
2	IC 410-158203/8	200.0	10.886467	250.0	295826.0	0.054432	Y
3	IC 410-158203/7	250.0	14.925879	250.0	302210.0	0.059704	Y
4	IC 410-158203/6	500.0	32.288158	250.0	286475.0	0.064576	Y
5	ICIS 410-158203/5	625.0	41.489612	250.0	310403.0	0.066383	Y
6	IC 410-158203/4	1250.0	85.7358	250.0	268925.0	0.068589	Y
7	IC 410-158203/3	3750.0	241.314046	250.0	251498.0	0.06435	Y



Calibration

/ Dibromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

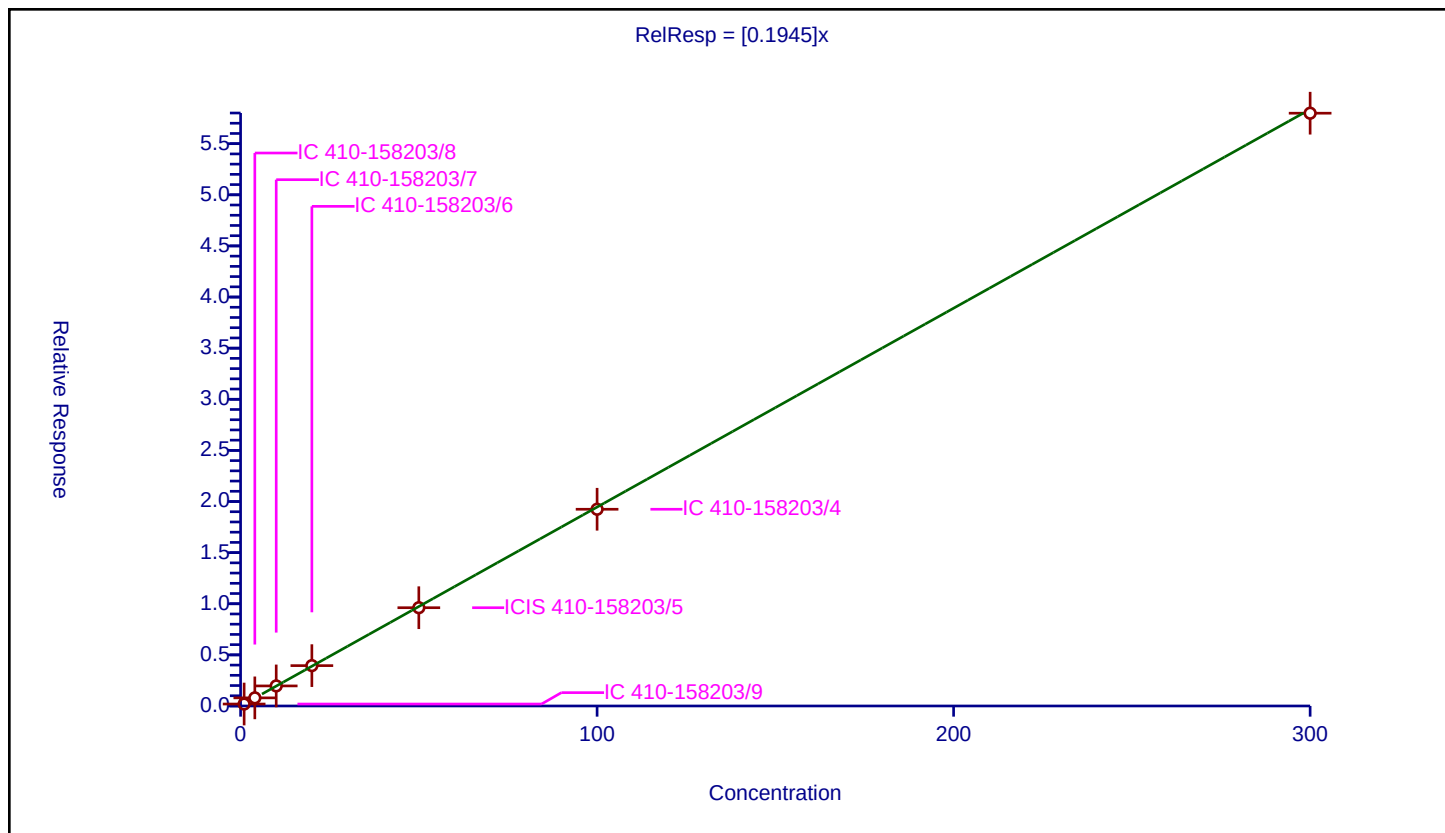
Curve Coefficients

Intercept: 0
 Slope: 0.1945

Error Coefficients

Standard Error: 574000
 Relative Standard Error: 1.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.19129	50.0	1110355.0	0.19129	Y
2	IC 410-158203/8	4.0	0.7955	50.0	1105720.0	0.198875	Y
3	IC 410-158203/7	10.0	1.962456	50.0	1097171.0	0.196246	Y
4	IC 410-158203/6	20.0	3.947881	50.0	1109988.0	0.197394	Y
5	ICIS 410-158203/5	50.0	9.614231	50.0	1121707.0	0.192285	Y
6	IC 410-158203/4	100.0	19.242023	50.0	1122725.0	0.19242	Y
7	IC 410-158203/3	300.0	57.980795	50.0	1136140.0	0.193269	Y



Calibration

/ Dichlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

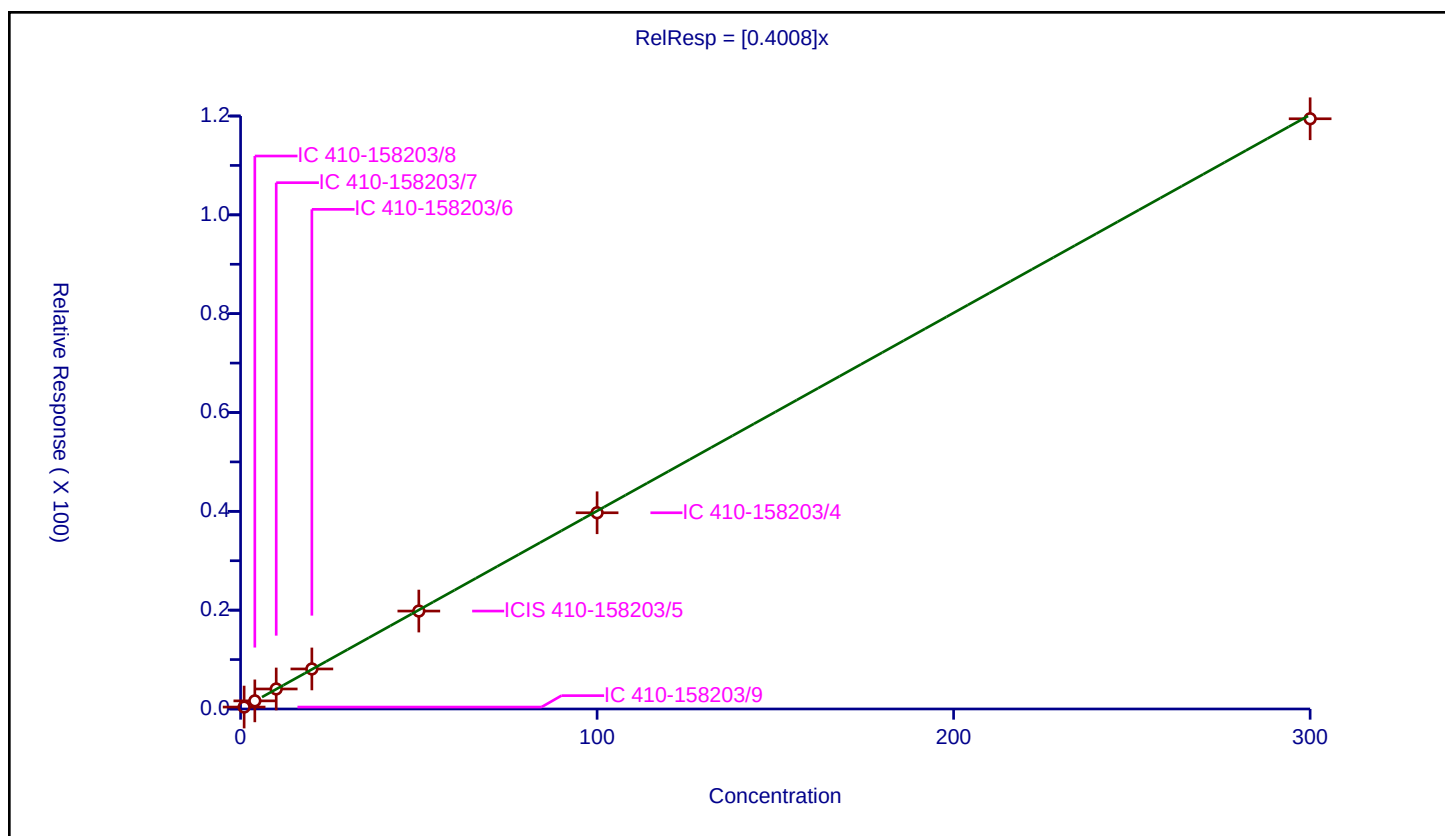
Curve Coefficients

Intercept: 0
Slope: 0.4008

Error Coefficients

Standard Error: 1180000
Relative Standard Error: 1.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.392307	50.0	1110355.0	0.392307	Y
2	IC 410-158203/8	4.0	1.644991	50.0	1105720.0	0.411248	Y
3	IC 410-158203/7	10.0	4.051328	50.0	1097171.0	0.405133	Y
4	IC 410-158203/6	20.0	8.102205	50.0	1109988.0	0.40511	Y
5	ICIS 410-158203/5	50.0	19.820951	50.0	1121707.0	0.396419	Y
6	IC 410-158203/4	100.0	39.709323	50.0	1122725.0	0.397093	Y
7	IC 410-158203/3	300.0	119.443687	50.0	1136140.0	0.398146	Y



Calibration

/ 2-Nitropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

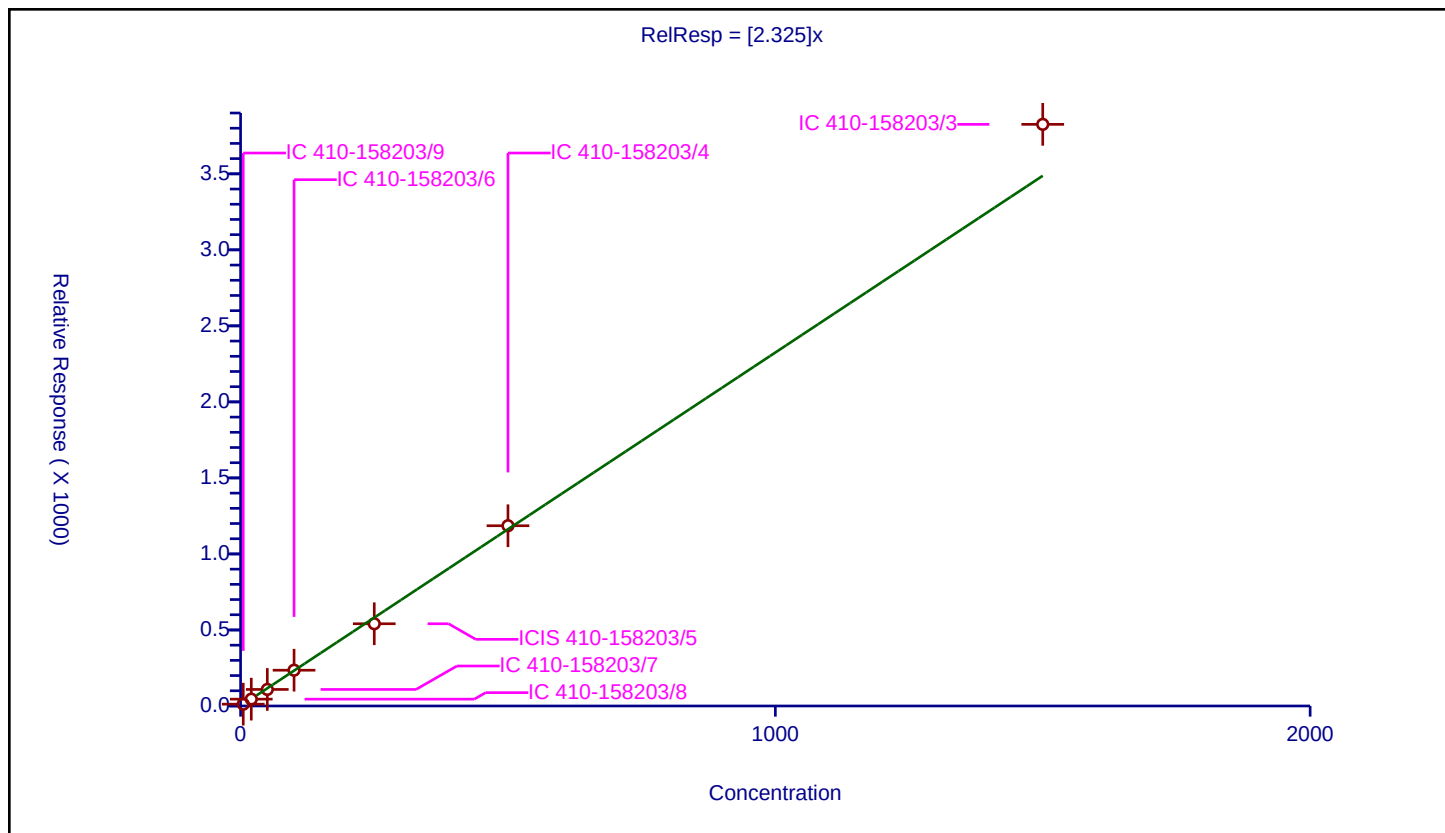
Curve Coefficients

Intercept: 0
 Slope: 2.325

Error Coefficients

Standard Error: 1680000
 Relative Standard Error: 5.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	5.0	12.04627	250.0	299159.0	2.409254	Y
2	IC 410-158203/8	20.0	45.040835	250.0	295826.0	2.252042	Y
3	IC 410-158203/7	50.0	108.746402	250.0	302210.0	2.174928	Y
4	IC 410-158203/6	100.0	235.299764	250.0	286475.0	2.352998	Y
5	ICIS 410-158203/5	250.0	540.825153	250.0	310403.0	2.163301	Y
6	IC 410-158203/4	500.0	1185.498745	250.0	268925.0	2.370997	Y
7	IC 410-158203/3	1500.0	3825.389268	250.0	251498.0	2.55026	Y



Calibration

/ 2-Chloroethyl vinyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

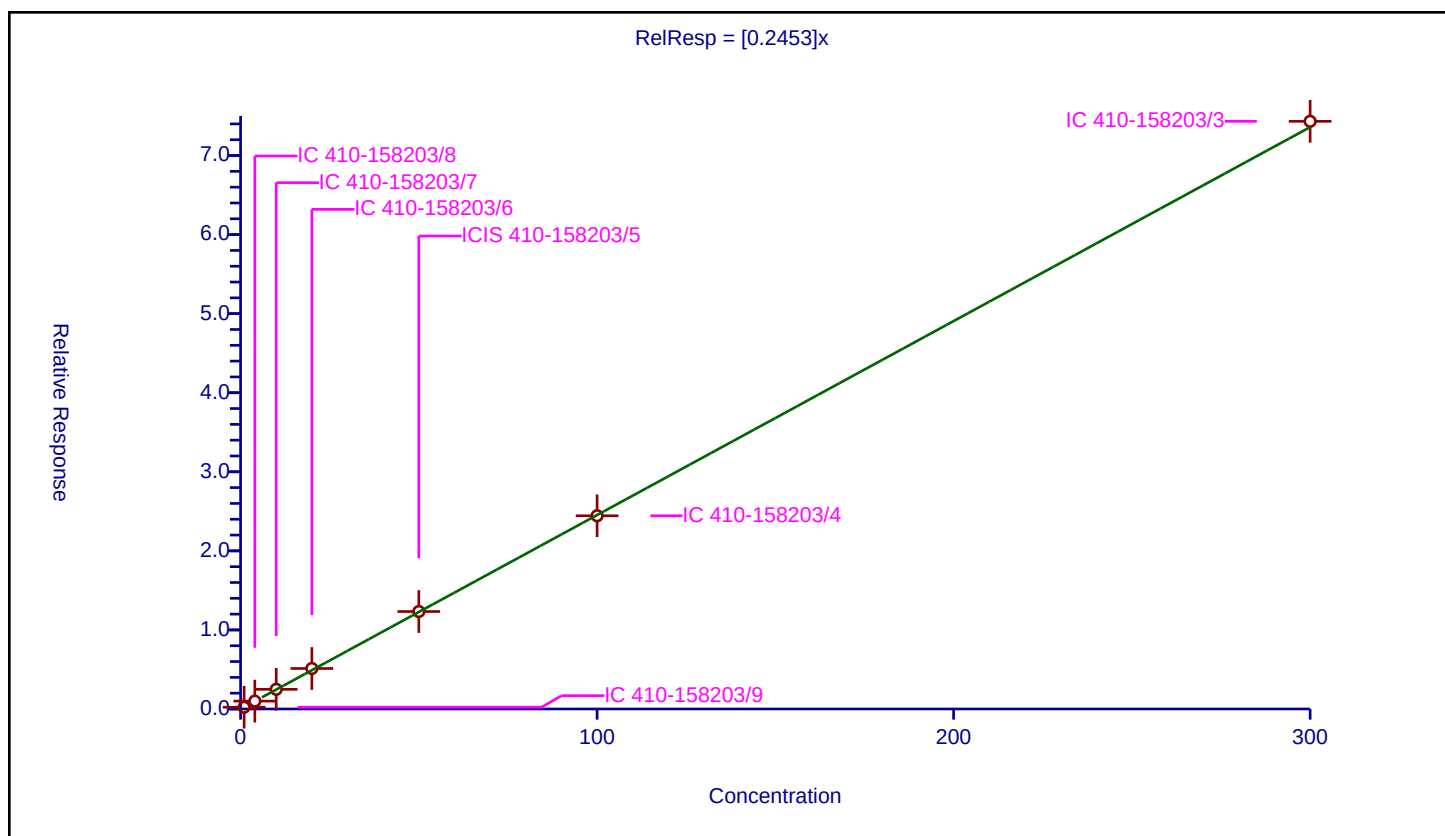
Curve Coefficients

Intercept: 0
 Slope: 0.2453

Error Coefficients

Standard Error: 736000
 Relative Standard Error: 4.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.224163	50.0	1110355.0	0.224163	Y
2	IC 410-158203/8	4.0	0.997314	50.0	1105720.0	0.249328	Y
3	IC 410-158203/7	10.0	2.487579	50.0	1097171.0	0.248758	Y
4	IC 410-158203/6	20.0	5.123118	50.0	1109988.0	0.256156	Y
5	ICIS 410-158203/5	50.0	12.330671	50.0	1121707.0	0.246613	Y
6	IC 410-158203/4	100.0	24.437151	50.0	1122725.0	0.244372	Y
7	IC 410-158203/3	300.0	74.330012	50.0	1136140.0	0.247767	Y



Calibration

/ cis-1,3-Dichloropropene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

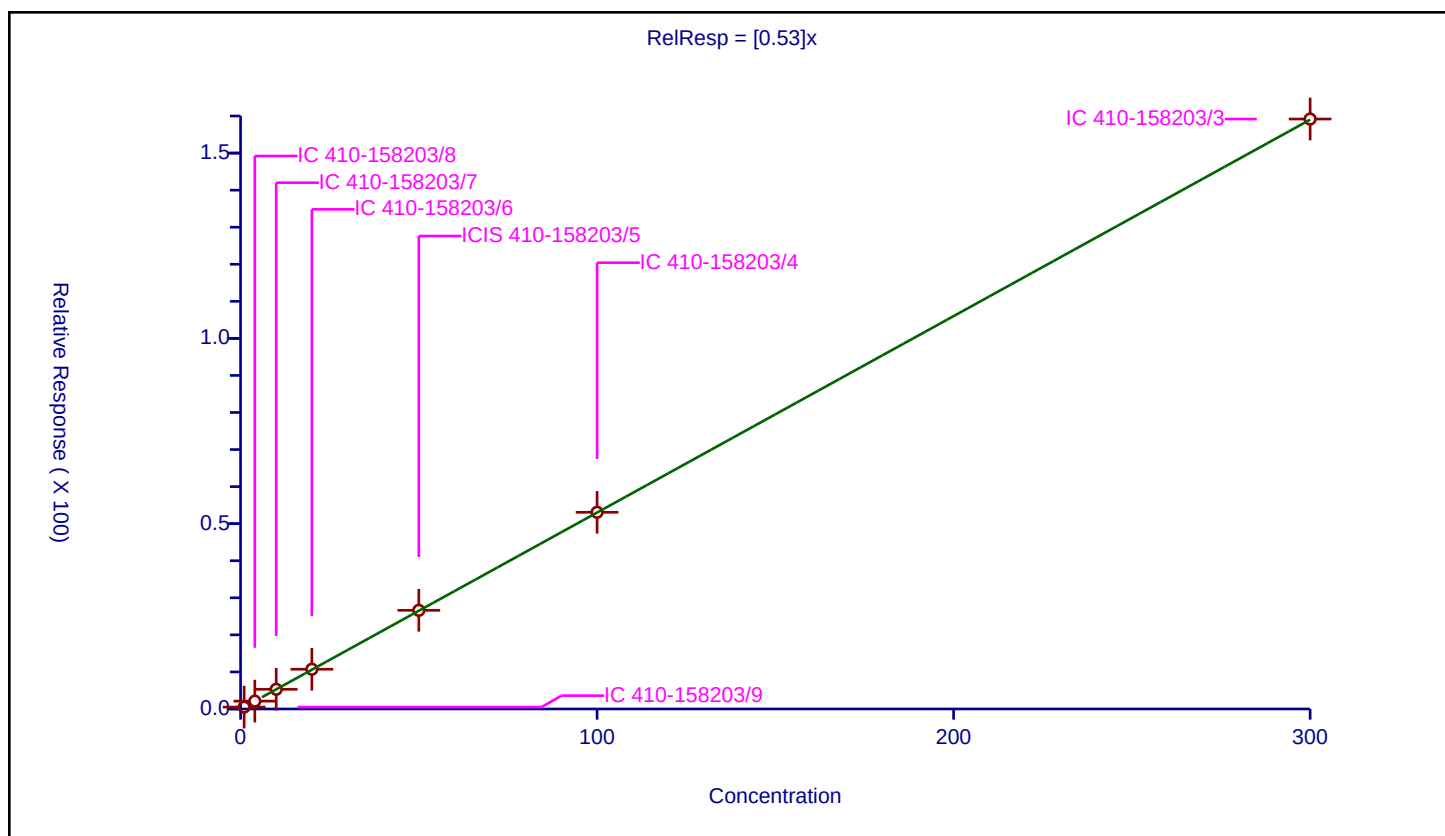
Curve Coefficients

Intercept: 0
Slope: 0.53

Error Coefficients

Standard Error: 1580000
Relative Standard Error: 1.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.517312	50.0	1110355.0	0.517312	Y
2	IC 410-158203/8	4.0	2.125086	50.0	1105720.0	0.531271	Y
3	IC 410-158203/7	10.0	5.314532	50.0	1097171.0	0.531453	Y
4	IC 410-158203/6	20.0	10.725071	50.0	1109988.0	0.536254	Y
5	ICIS 410-158203/5	50.0	26.625046	50.0	1121707.0	0.532501	Y
6	IC 410-158203/4	100.0	53.079739	50.0	1122725.0	0.530797	Y
7	IC 410-158203/3	300.0	159.18584	50.0	1136140.0	0.530619	Y



Calibration

/ 4-Methyl-2-pentanone (MIBK)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

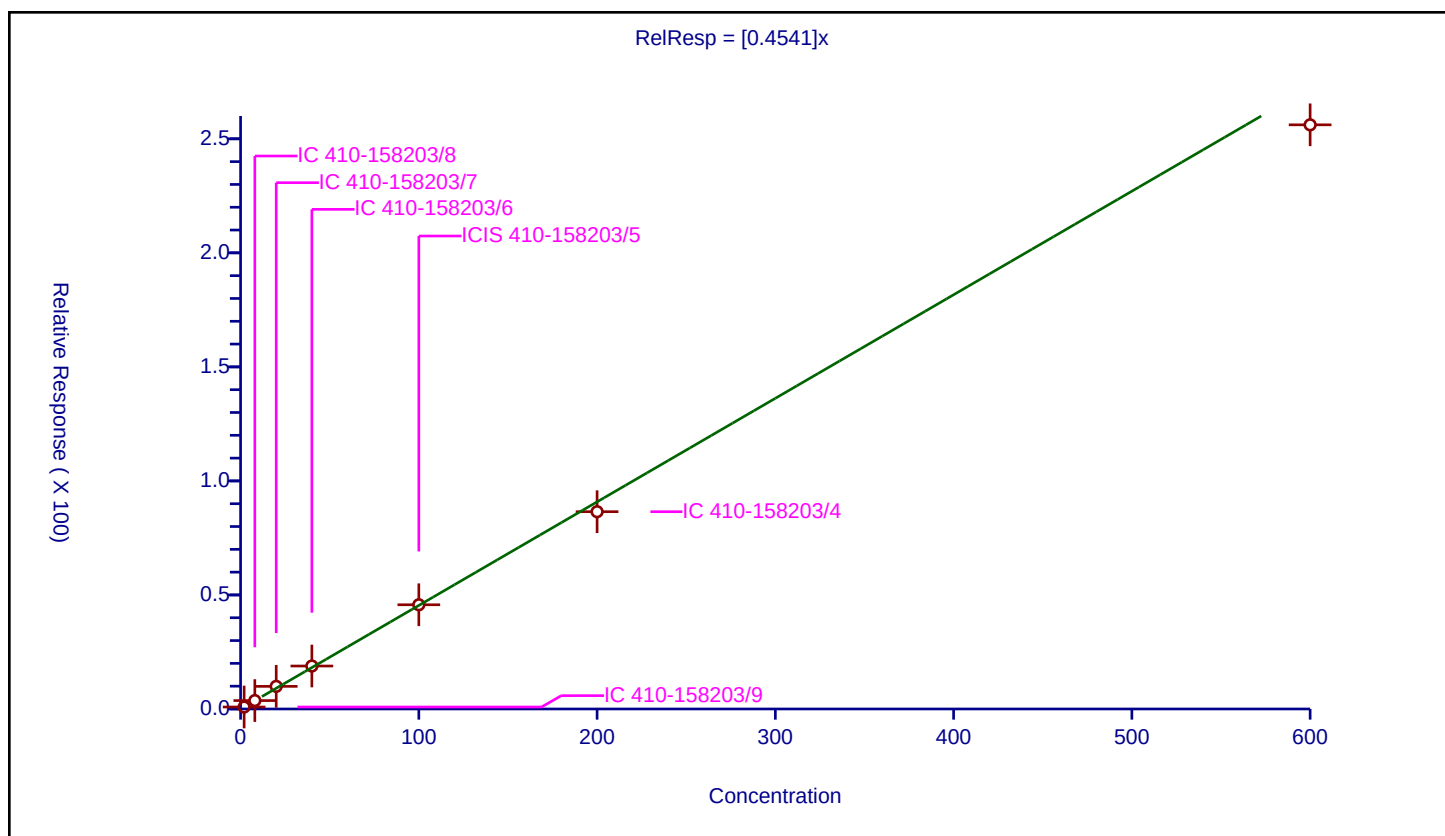
Curve Coefficients

Intercept: 0
 Slope: 0.4541

Error Coefficients

Standard Error: 2550000
 Relative Standard Error: 5.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	2.0	0.86693	50.0	1110355.0	0.433465	Y
2	IC 410-158203/8	8.0	3.689994	50.0	1105720.0	0.461249	Y
3	IC 410-158203/7	20.0	9.924889	50.0	1097171.0	0.496244	Y
4	IC 410-158203/6	40.0	18.847501	50.0	1109988.0	0.471188	Y
5	ICIS 410-158203/5	100.0	45.694598	50.0	1121707.0	0.456946	Y
6	IC 410-158203/4	200.0	86.51188	50.0	1122725.0	0.432559	Y
7	IC 410-158203/3	600.0	256.135555	50.0	1136140.0	0.426893	Y



Calibration

/ Toluene-d8 (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

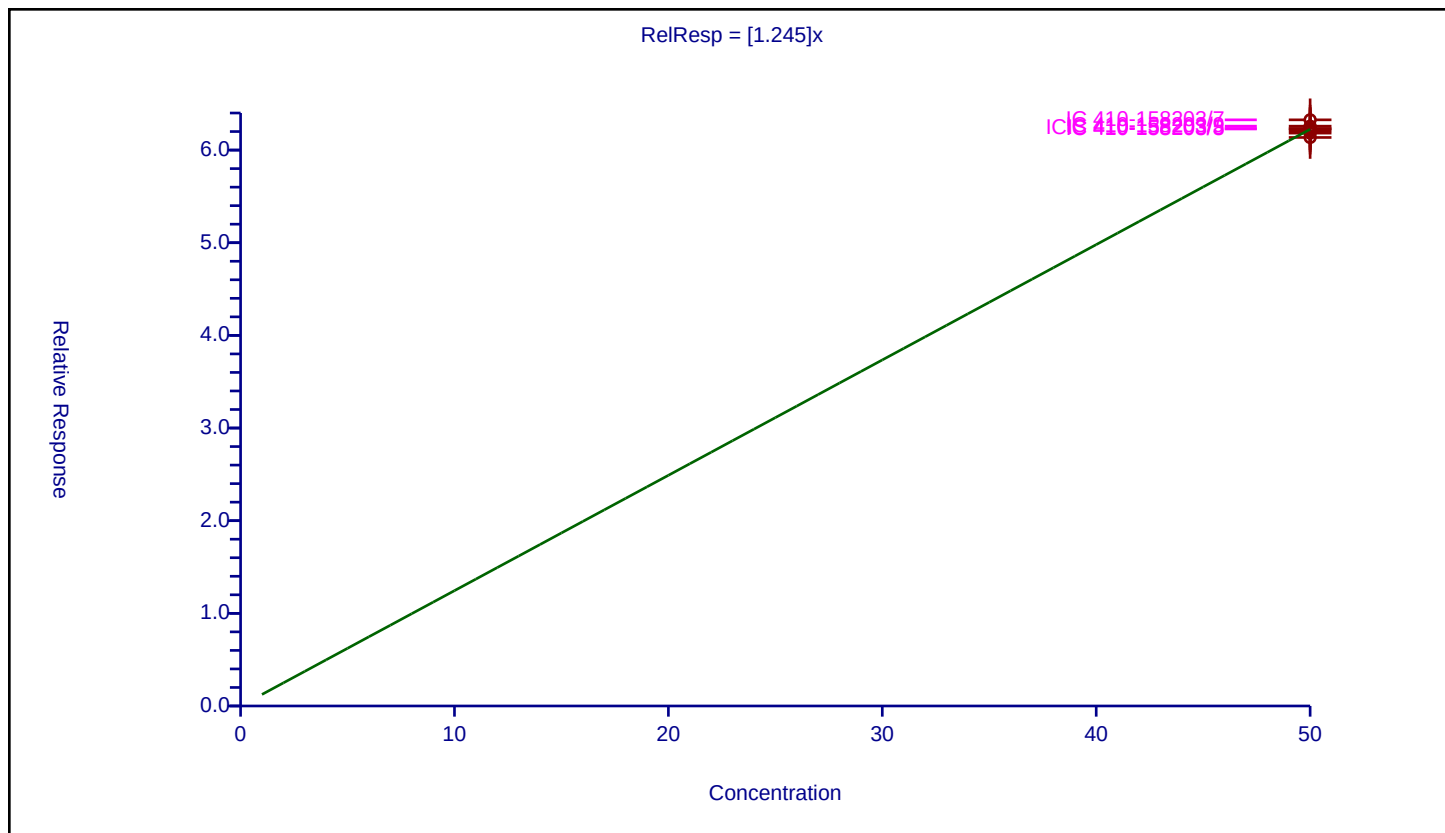
Curve Coefficients

Intercept: 0
 Slope: 1.245

Error Coefficients

Standard Error: 1230000
 Relative Standard Error: 1.0
 Correlation Coefficient: NA
 Coefficient of Determination (Adjusted): 0.000000000000000111

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/3	50.0	61.361091	50.0	942788.0	1.227222	Y
2	IC 410-158203/4	50.0	61.828799	50.0	925635.0	1.236576	Y
3	ICIS 410-158203/5	50.0	62.33054	50.0	926768.0	1.246611	Y
4	IC 410-158203/6	50.0	62.075084	50.0	914652.0	1.241502	Y
5	IC 410-158203/7	50.0	63.262564	50.0	892565.0	1.265251	Y
6	IC 410-158203/8	50.0	62.277044	50.0	911950.0	1.245541	Y
7	IC 410-158203/9	50.0	62.581326	50.0	913151.0	1.251627	Y



Calibration

/ Toluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

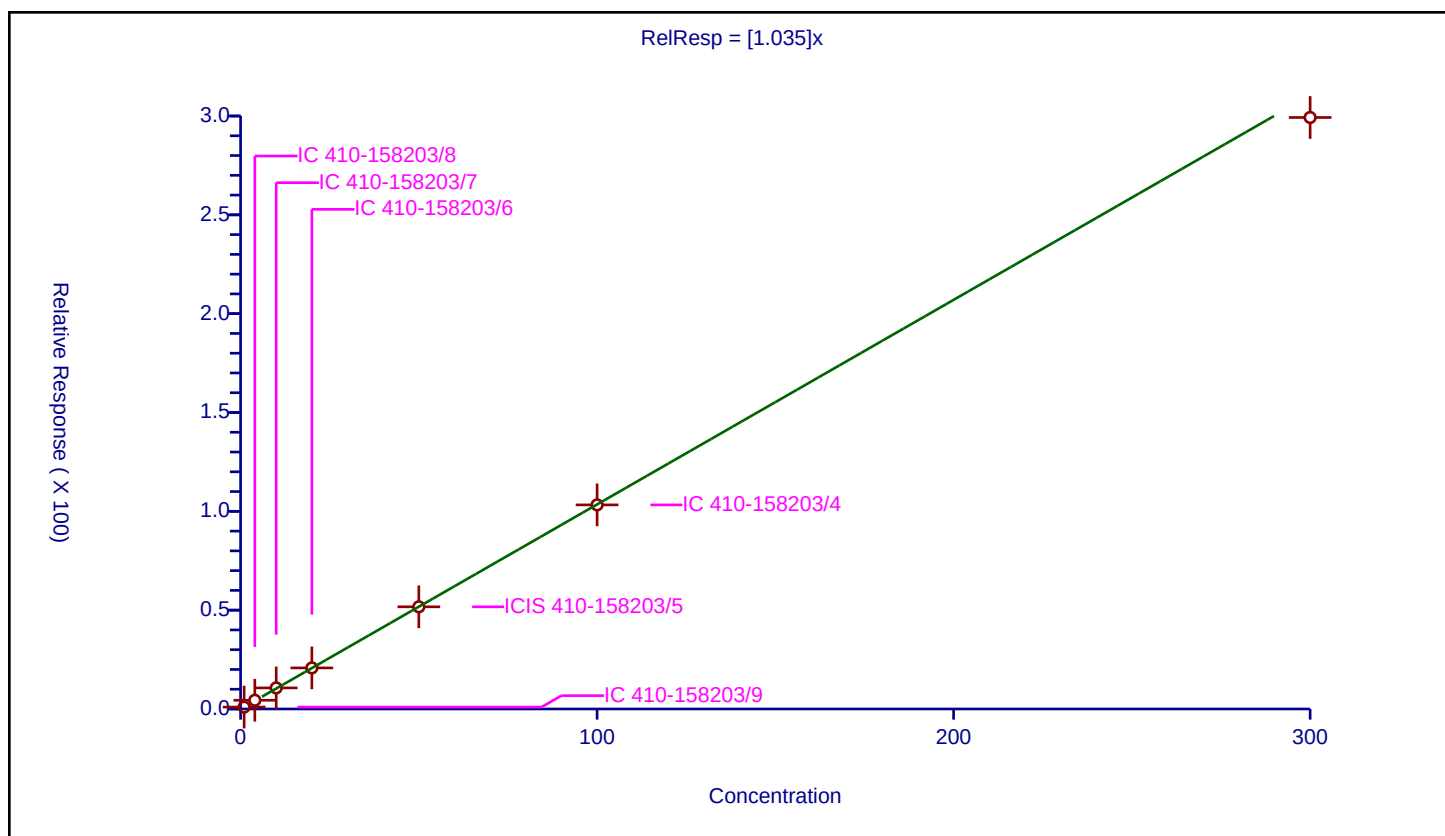
Curve Coefficients

Intercept: 0
 Slope: 1.035

Error Coefficients

Standard Error: 2470000
 Relative Standard Error: 4.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.969664	50.0	913151.0	0.969664	Y
2	IC 410-158203/8	4.0	4.422885	50.0	911950.0	1.105721	Y
3	IC 410-158203/7	10.0	10.662249	50.0	892565.0	1.066225	Y
4	IC 410-158203/6	20.0	20.782166	50.0	914652.0	1.039108	Y
5	ICIS 410-158203/5	50.0	51.690175	50.0	926768.0	1.033803	Y
6	IC 410-158203/4	100.0	103.250255	50.0	925635.0	1.032503	Y
7	IC 410-158203/3	300.0	299.255559	50.0	942788.0	0.997519	Y



Calibration

/ trans-1,3-Dichloropropene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

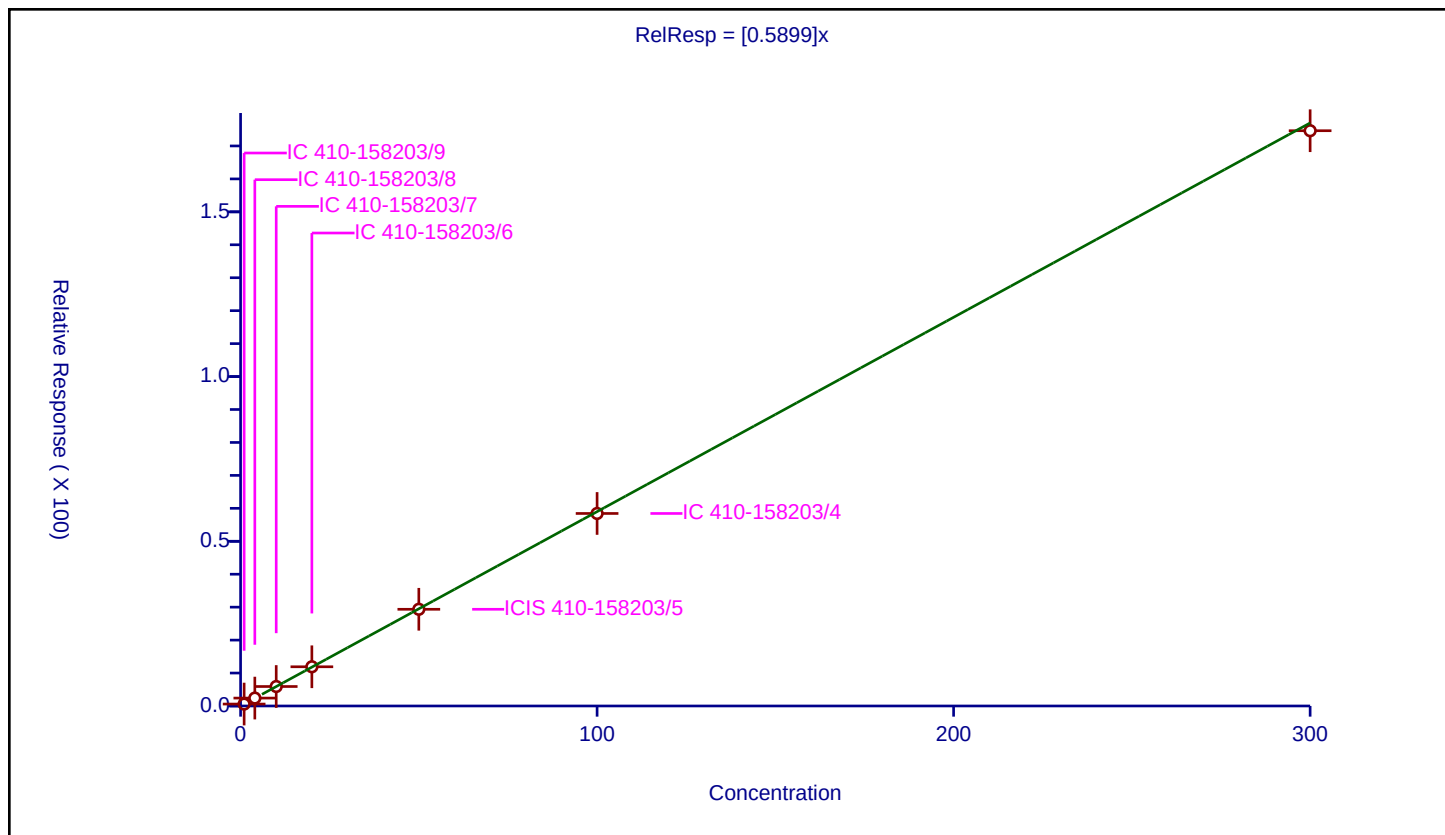
Curve Coefficients

Intercept: 0
Slope: 0.5899

Error Coefficients

Standard Error: 1440000
Relative Standard Error: 1.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.590538	50.0	913151.0	0.590538	Y
2	IC 410-158203/8	4.0	2.398213	50.0	911950.0	0.599553	Y
3	IC 410-158203/7	10.0	5.909374	50.0	892565.0	0.590937	Y
4	IC 410-158203/6	20.0	11.900701	50.0	914652.0	0.595035	Y
5	ICIS 410-158203/5	50.0	29.353247	50.0	926768.0	0.587065	Y
6	IC 410-158203/4	100.0	58.440422	50.0	925635.0	0.584404	Y
7	IC 410-158203/3	300.0	174.624041	50.0	942788.0	0.58208	Y



Calibration

/ Ethyl methacrylate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

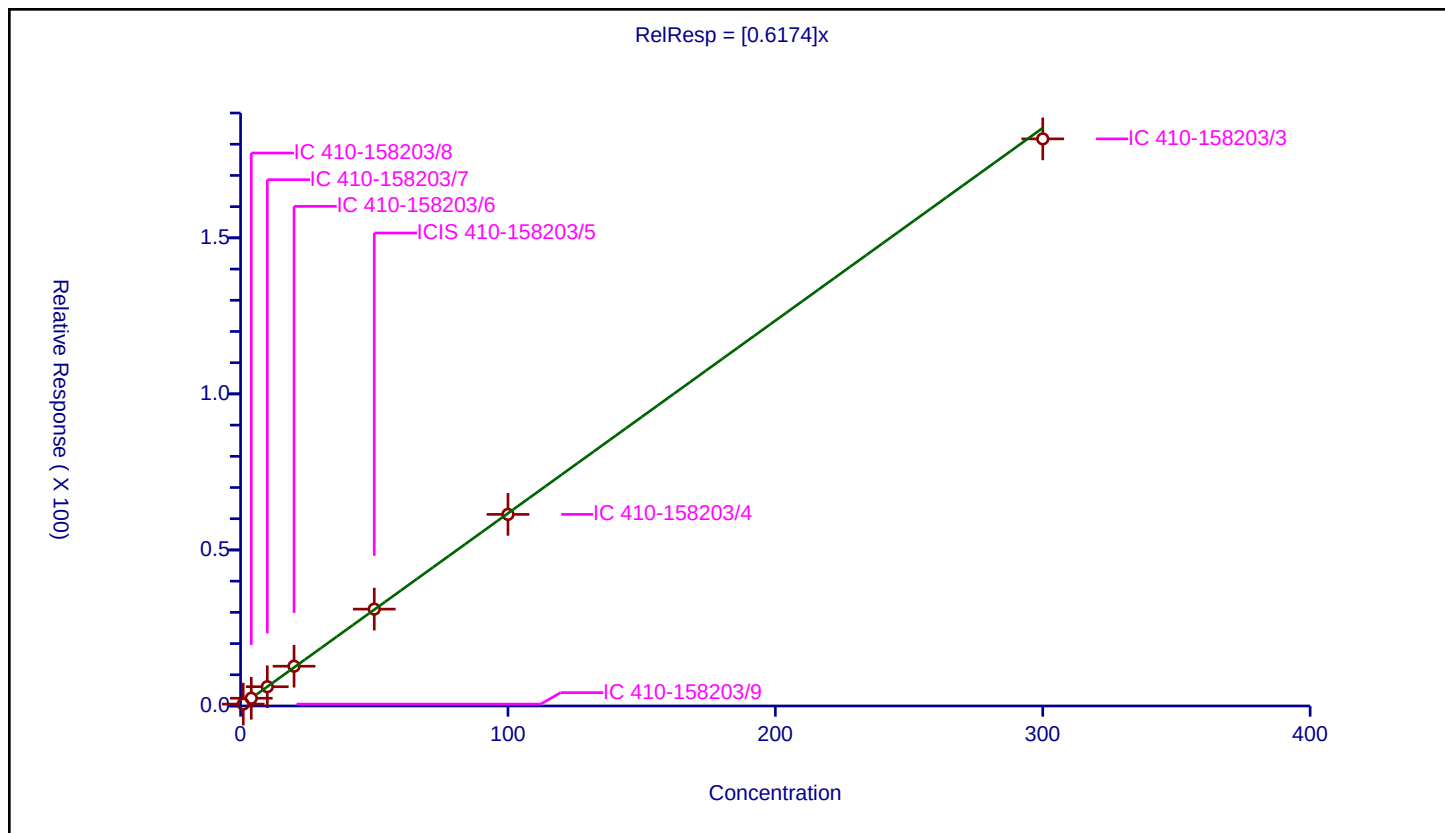
Curve Coefficients

Intercept: 0
 Slope: 0.6174

Error Coefficients

Standard Error: 1500000
 Relative Standard Error: 1.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.000044	0.605869	50.0	913151.0	0.605843	Y
2	IC 410-158203/8	4.000175	2.482976	50.0	911950.0	0.620717	Y
3	IC 410-158203/7	10.000438	6.17434	50.0	892565.0	0.617407	Y
4	IC 410-158203/6	20.000875	12.743262	50.0	914652.0	0.637135	Y
5	ICIS 410-158203/5	50.002188	31.041156	50.0	926768.0	0.620796	Y
6	IC 410-158203/4	100.004376	61.392612	50.0	925635.0	0.613899	Y
7	IC 410-158203/3	300.013128	181.712803	50.0	942788.0	0.605683	Y



Calibration

/ 1,1,2-Trichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

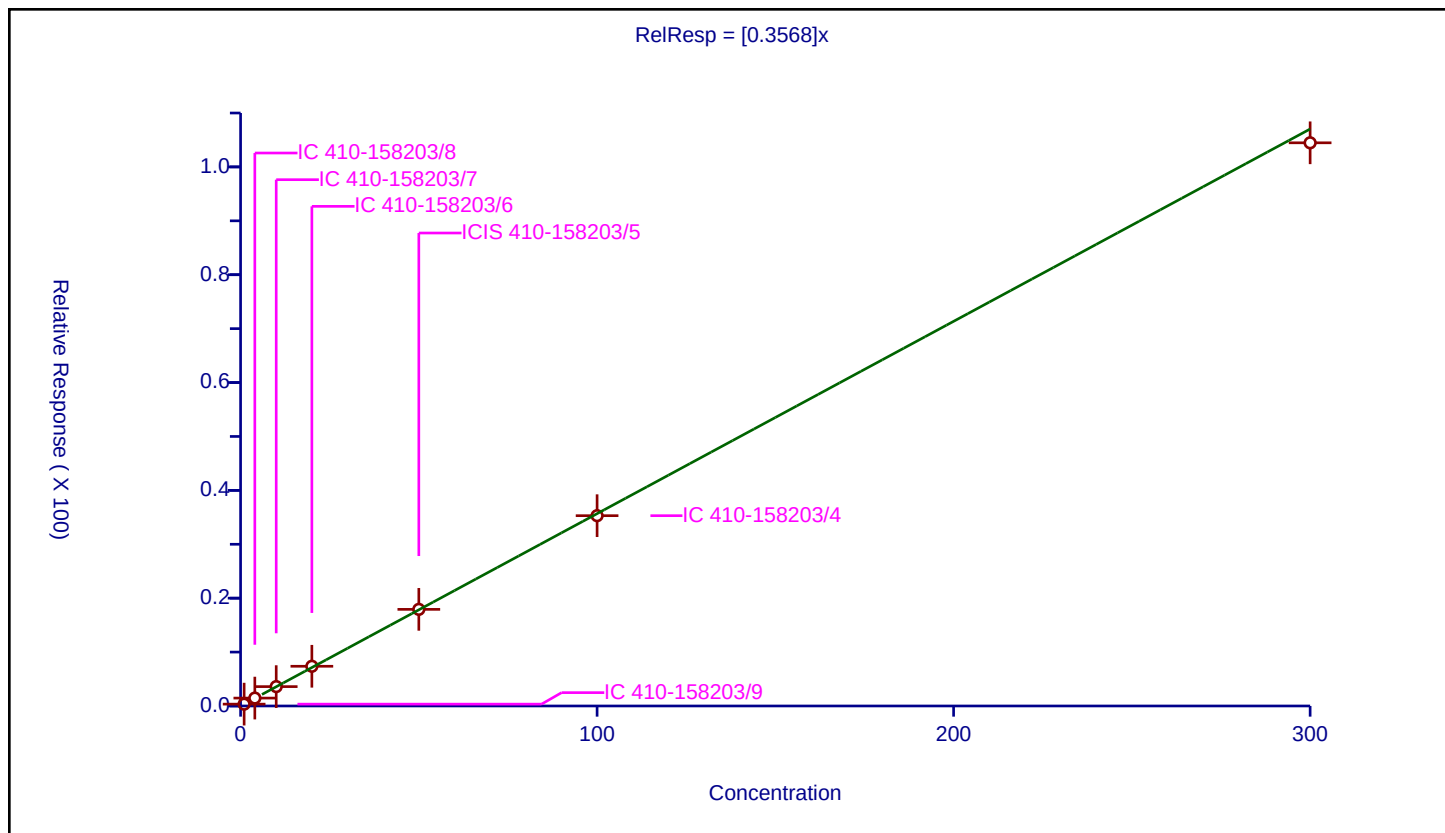
Curve Coefficients

Intercept: 0
 Slope: 0.3568

Error Coefficients

Standard Error: 860000
 Relative Standard Error: 2.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.342769	50.0	913151.0	0.342769	Y
2	IC 410-158203/8	4.0	1.467734	50.0	911950.0	0.366933	Y
3	IC 410-158203/7	10.0	3.595929	50.0	892565.0	0.359593	Y
4	IC 410-158203/6	20.0	7.368103	50.0	914652.0	0.368405	Y
5	ICIS 410-158203/5	50.0	17.923418	50.0	926768.0	0.358468	Y
6	IC 410-158203/4	100.0	35.30128	50.0	925635.0	0.353013	Y
7	IC 410-158203/3	300.0	104.473752	50.0	942788.0	0.348246	Y



Calibration

/ Tetrachloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

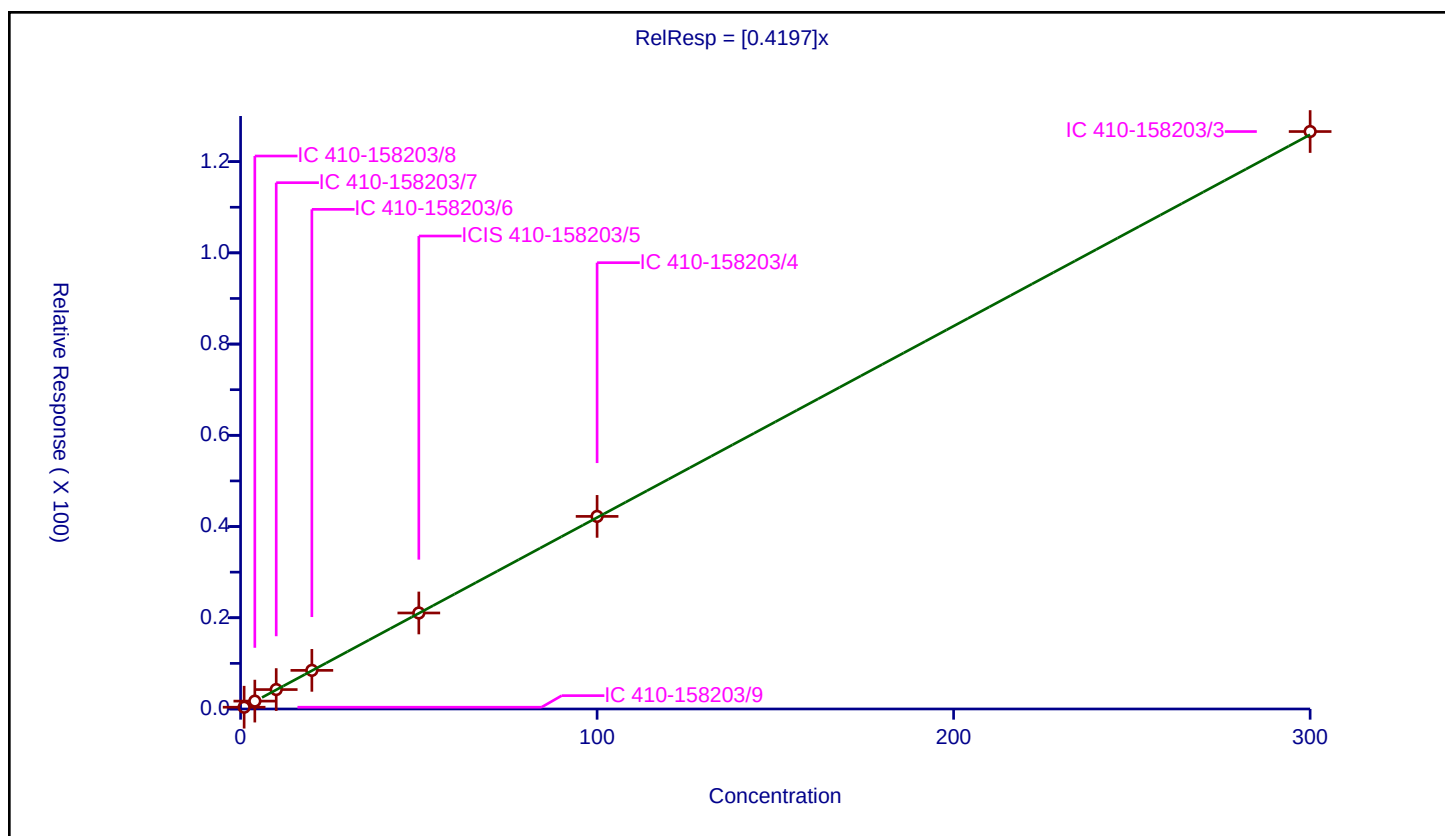
Curve Coefficients

Intercept: 0
Slope: 0.4197

Error Coefficients

Standard Error: 1040000
Relative Standard Error: 3.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.391392	50.0	913151.0	0.391392	Y
2	IC 410-158203/8	4.0	1.727288	50.0	911950.0	0.431822	Y
3	IC 410-158203/7	10.0	4.260698	50.0	892565.0	0.42607	Y
4	IC 410-158203/6	20.0	8.467811	50.0	914652.0	0.423391	Y
5	ICIS 410-158203/5	50.0	21.050684	50.0	926768.0	0.421014	Y
6	IC 410-158203/4	100.0	42.223177	50.0	925635.0	0.422232	Y
7	IC 410-158203/3	300.0	126.598663	50.0	942788.0	0.421996	Y



Calibration

/ 1,3-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

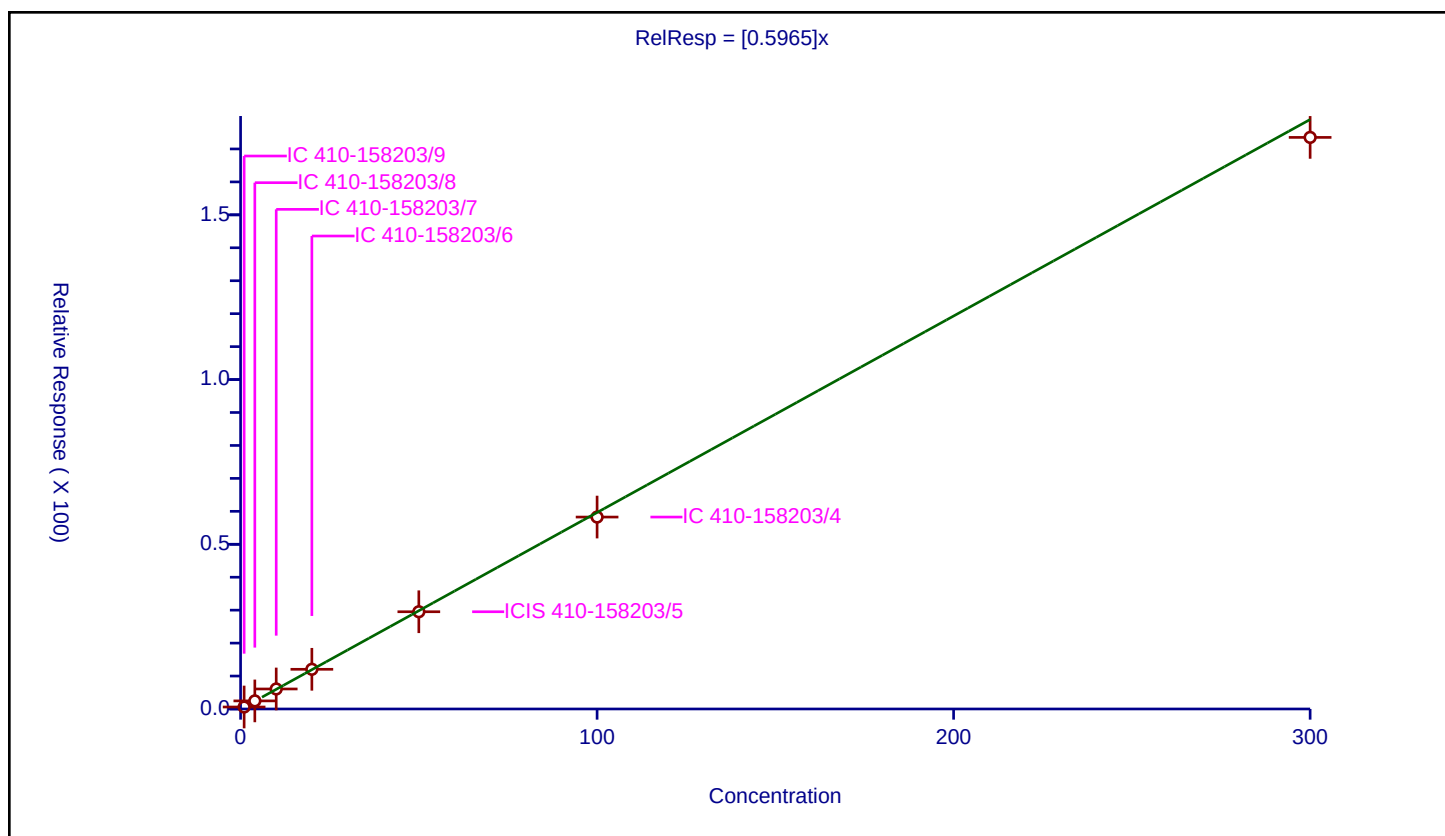
Curve Coefficients

Intercept: 0
 Slope: 0.5965

Error Coefficients

Standard Error: 1430000
 Relative Standard Error: 2.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.600667	50.0	913151.0	0.600667	Y
2	IC 410-158203/8	4.0	2.452711	50.0	911950.0	0.613178	Y
3	IC 410-158203/7	10.0	6.074796	50.0	892565.0	0.60748	Y
4	IC 410-158203/6	20.0	12.052617	50.0	914652.0	0.602631	Y
5	ICIS 410-158203/5	50.0	29.518229	50.0	926768.0	0.590365	Y
6	IC 410-158203/4	100.0	58.259519	50.0	925635.0	0.582595	Y
7	IC 410-158203/3	300.0	173.505284	50.0	942788.0	0.578351	Y



Calibration

/ 2-Hexanone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

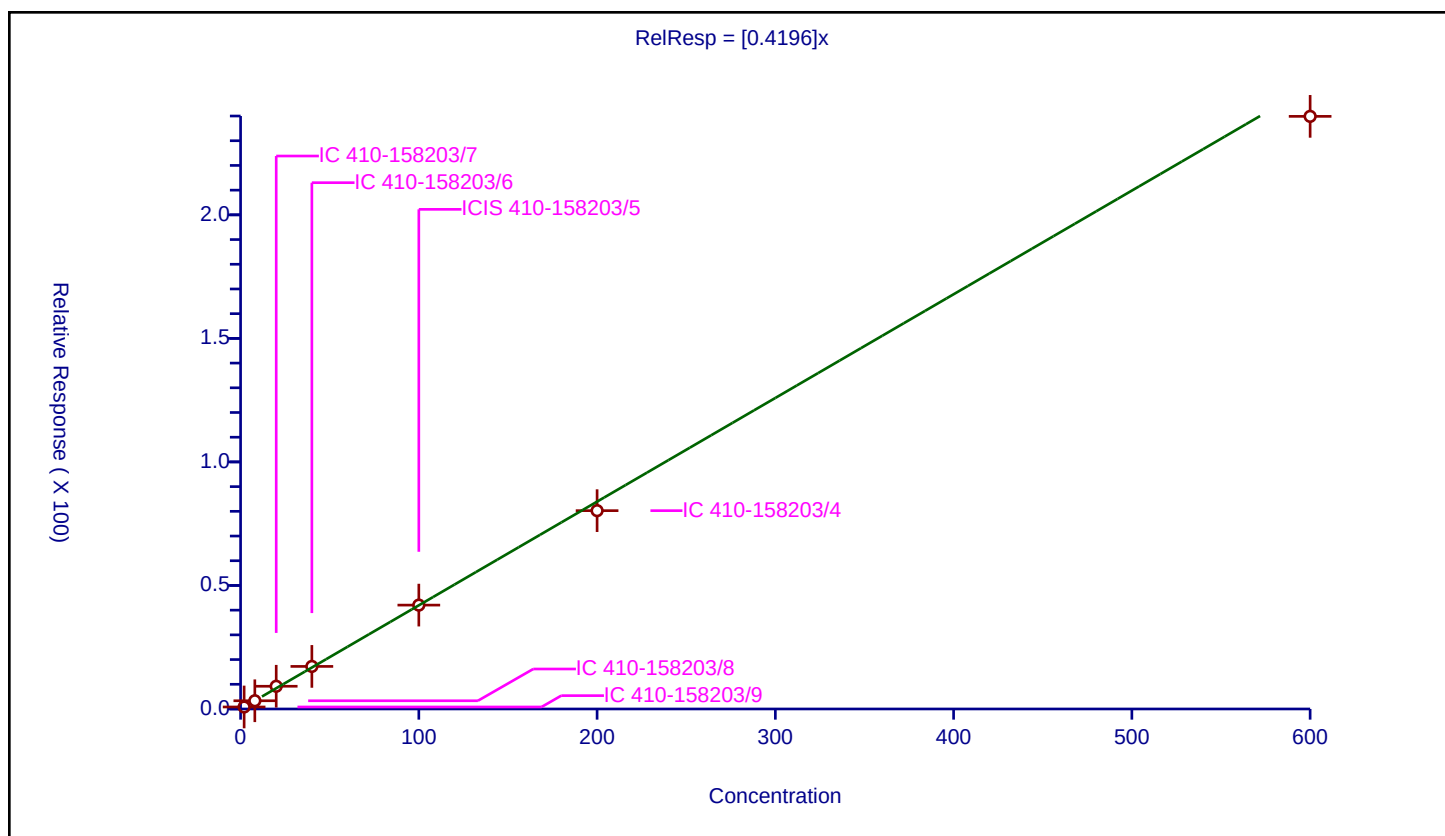
Curve Coefficients

Intercept: 0
 Slope: 0.4196

Error Coefficients

Standard Error: 1970000
 Relative Standard Error: 5.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	2.0	0.816732	50.0	913151.0	0.408366	Y
2	IC 410-158203/8	8.0	3.334503	50.0	911950.0	0.416813	Y
3	IC 410-158203/7	20.0	9.198322	50.0	892565.0	0.459916	Y
4	IC 410-158203/6	40.0	17.228848	50.0	914652.0	0.430721	Y
5	ICIS 410-158203/5	100.0	42.047201	50.0	926768.0	0.420472	Y
6	IC 410-158203/4	200.0	80.268951	50.0	925635.0	0.401345	Y
7	IC 410-158203/3	600.0	239.863151	50.0	942788.0	0.399772	Y



Calibration

/ Chlorodibromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

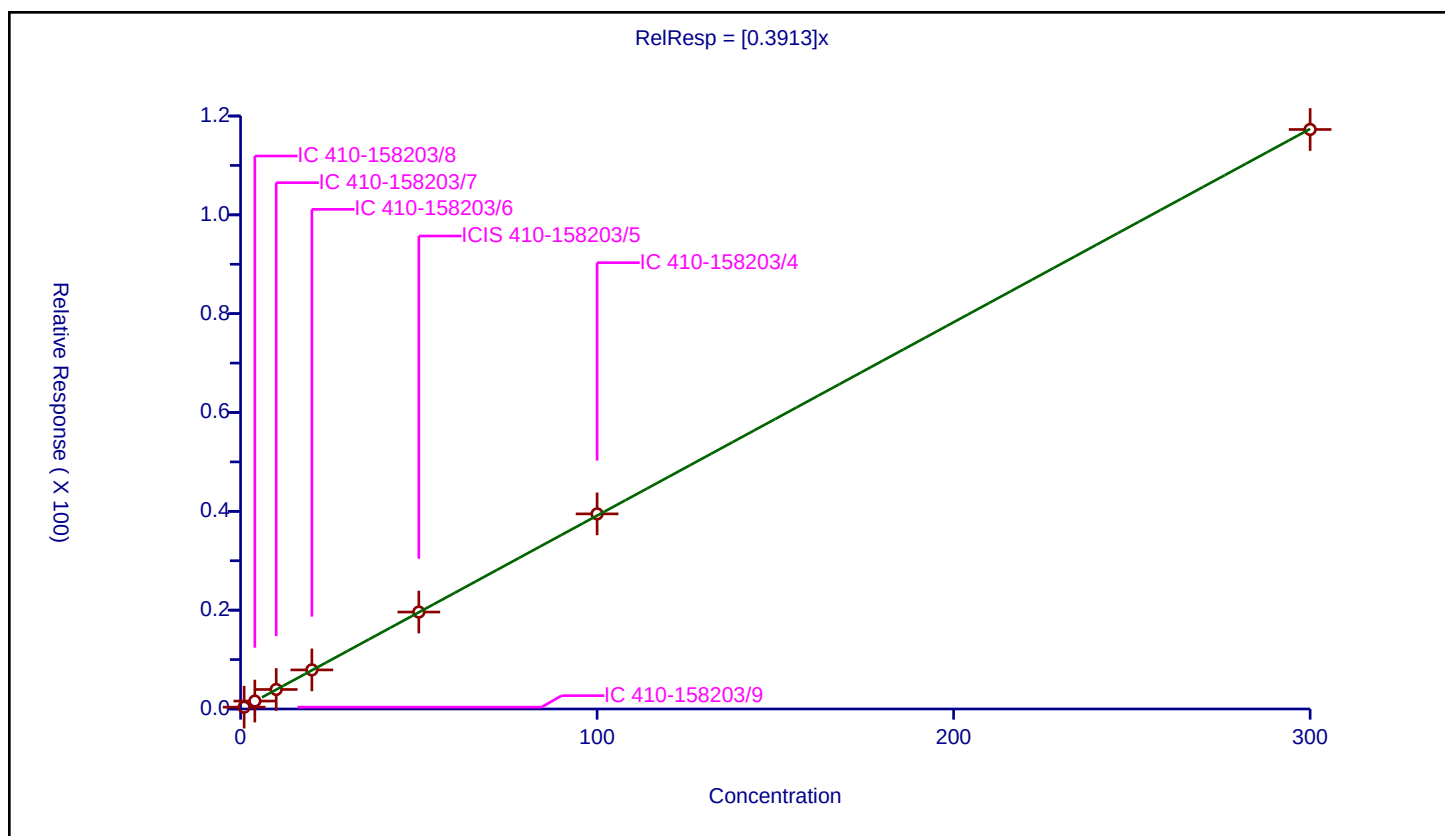
Curve Coefficients

Intercept: 0
 Slope: 0.3913

Error Coefficients

Standard Error: 965000
 Relative Standard Error: 2.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.370147	50.0	913151.0	0.370147	Y
2	IC 410-158203/8	4.0	1.602774	50.0	911950.0	0.400694	Y
3	IC 410-158203/7	10.0	3.947836	50.0	892565.0	0.394784	Y
4	IC 410-158203/6	20.0	7.9088	50.0	914652.0	0.39544	Y
5	ICIS 410-158203/5	50.0	19.62093	50.0	926768.0	0.392419	Y
6	IC 410-158203/4	100.0	39.483112	50.0	925635.0	0.394831	Y
7	IC 410-158203/3	300.0	117.276684	50.0	942788.0	0.390922	Y



Calibration

/ Ethylene Dibromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

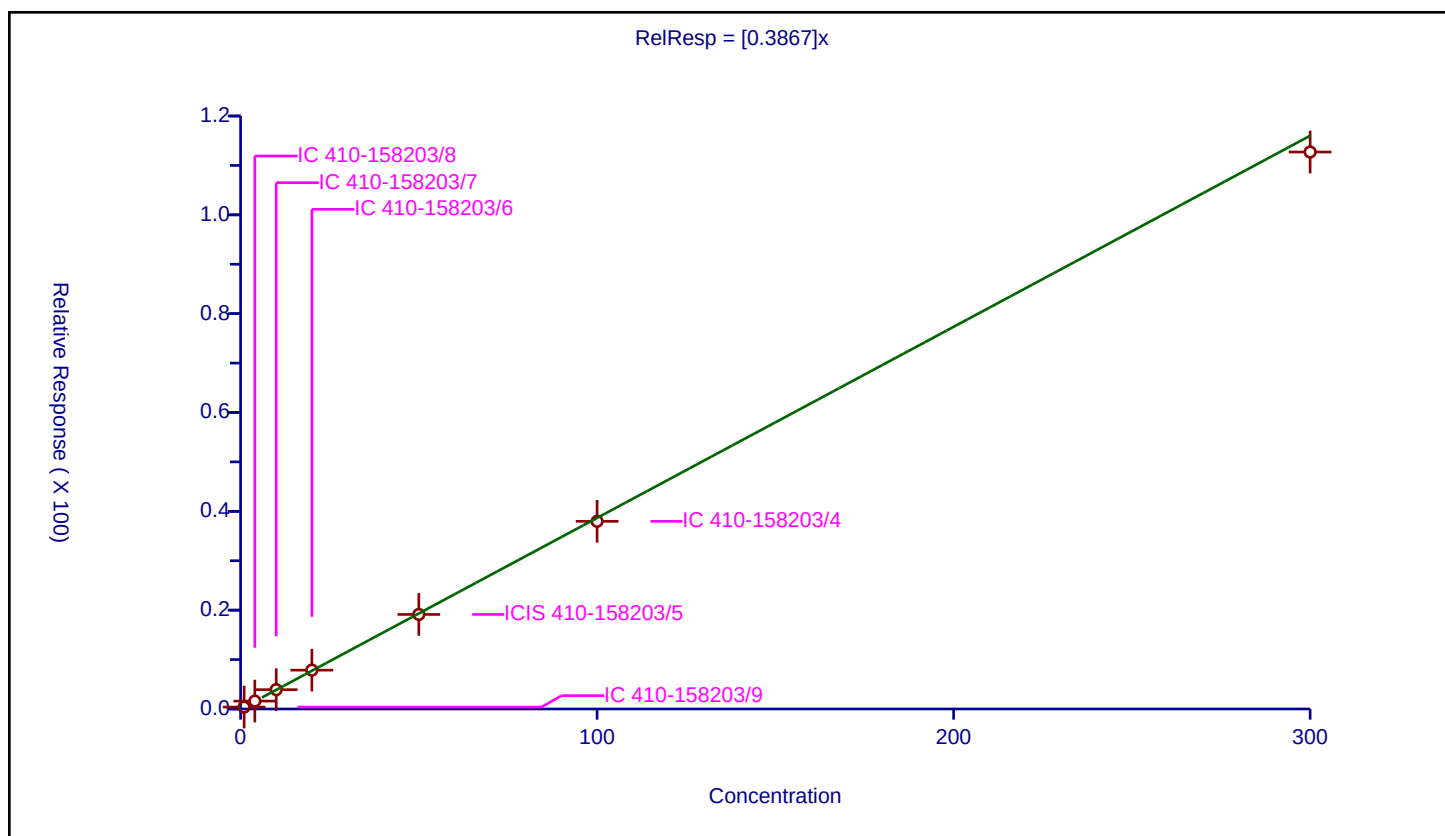
Curve Coefficients

Intercept: 0
Slope: 0.3867

Error Coefficients

Standard Error: 928000
Relative Standard Error: 2.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.383891	50.0	913151.0	0.383891	Y
2	IC 410-158203/8	4.0	1.602007	50.0	911950.0	0.400502	Y
3	IC 410-158203/7	10.0	3.910808	50.0	892565.0	0.391081	Y
4	IC 410-158203/6	20.0	7.862171	50.0	914652.0	0.393109	Y
5	ICIS 410-158203/5	50.0	19.134131	50.0	926768.0	0.382683	Y
6	IC 410-158203/4	100.0	37.978145	50.0	925635.0	0.379781	Y
7	IC 410-158203/3	300.0	112.716698	50.0	942788.0	0.375722	Y



Calibration

/ 1-Chlorohexane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

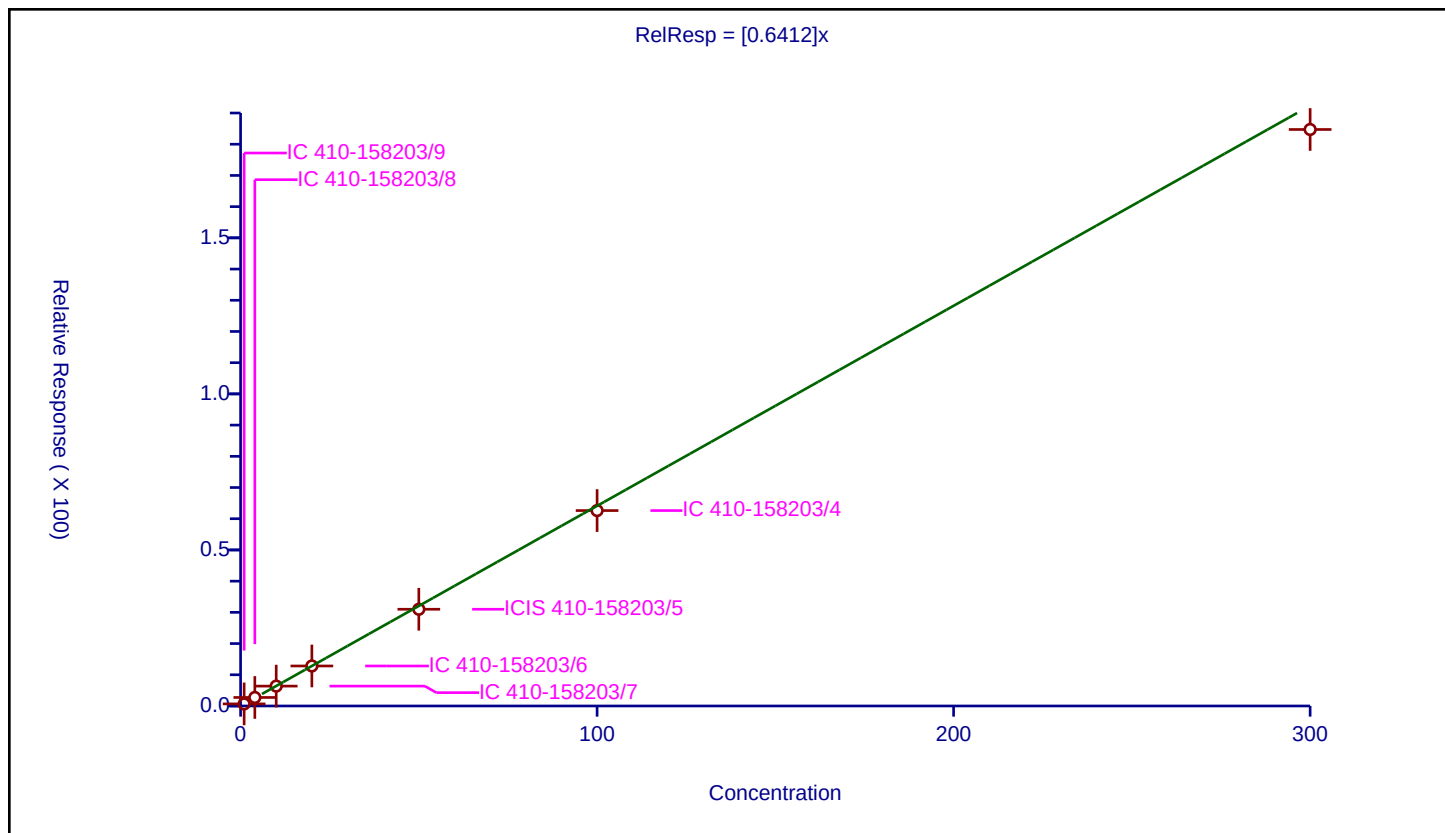
Curve Coefficients

Intercept: 0
 Slope: 0.6412

Error Coefficients

Standard Error: 1520000
 Relative Standard Error: 3.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.666593	50.0	913151.0	0.666593	Y
2	IC 410-158203/8	4.0	2.725807	50.0	911950.0	0.681452	Y
3	IC 410-158203/7	10.0	6.372925	50.0	892565.0	0.637293	Y
4	IC 410-158203/6	20.0	12.817443	50.0	914652.0	0.640872	Y
5	ICIS 410-158203/5	50.0	30.994866	50.0	926768.0	0.619897	Y
6	IC 410-158203/4	100.0	62.62247	50.0	925635.0	0.626225	Y
7	IC 410-158203/3	300.0	184.717349	50.0	942788.0	0.615724	Y



Calibration

/ Chlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

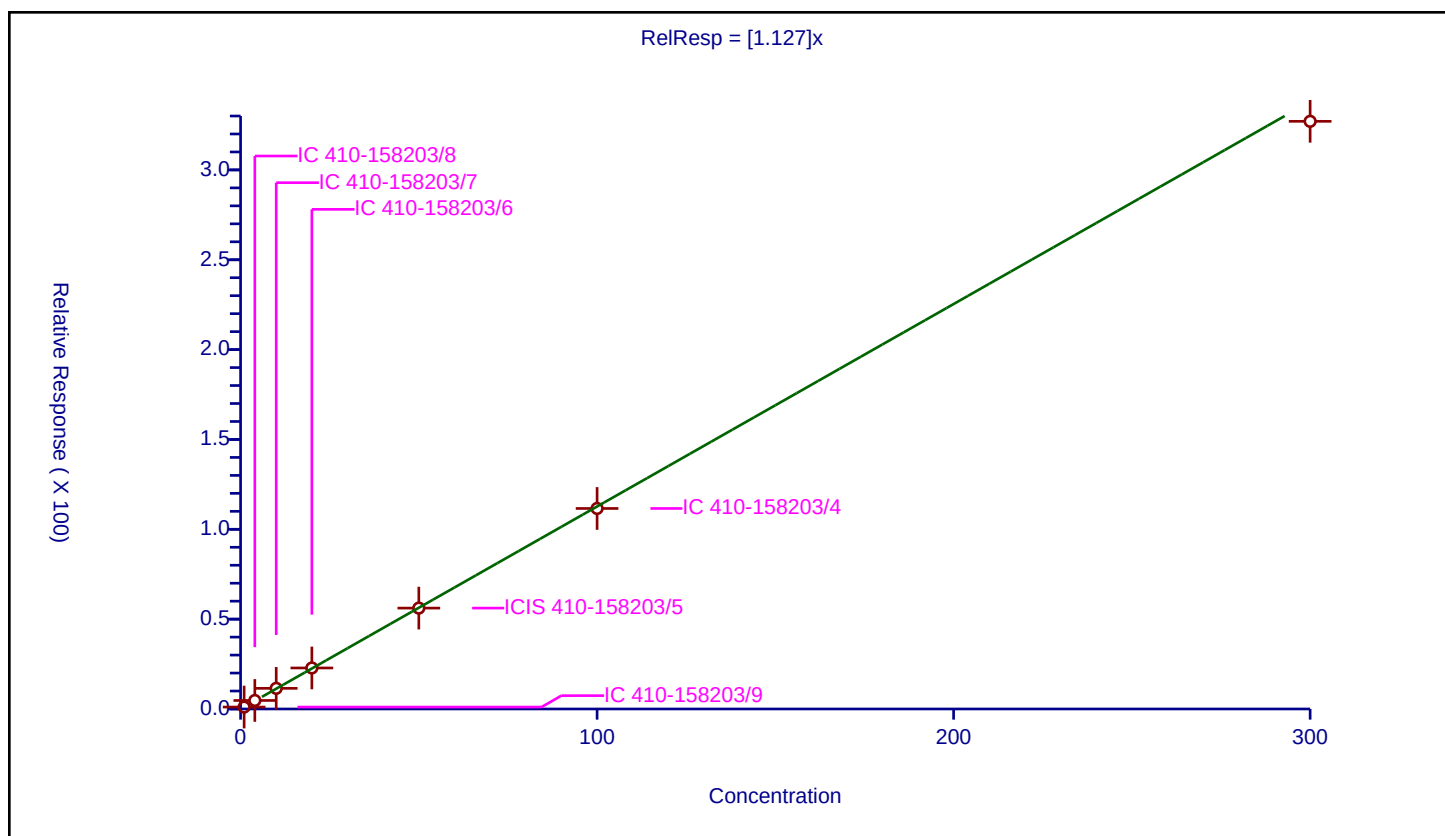
Curve Coefficients

Intercept: 0
 Slope: 1.127

Error Coefficients

Standard Error: 2700000
 Relative Standard Error: 3.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	1.082899	50.0	913151.0	1.082899	Y
2	IC 410-158203/8	4.0	4.740063	50.0	911950.0	1.185016	Y
3	IC 410-158203/7	10.0	11.495073	50.0	892565.0	1.149507	Y
4	IC 410-158203/6	20.0	22.82573	50.0	914652.0	1.141287	Y
5	ICIS 410-158203/5	50.0	56.147979	50.0	926768.0	1.12296	Y
6	IC 410-158203/4	100.0	111.59242	50.0	925635.0	1.115924	Y
7	IC 410-158203/3	300.0	327.044309	50.0	942788.0	1.090148	Y



Calibration

/ 1,1,1,2-Tetrachloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

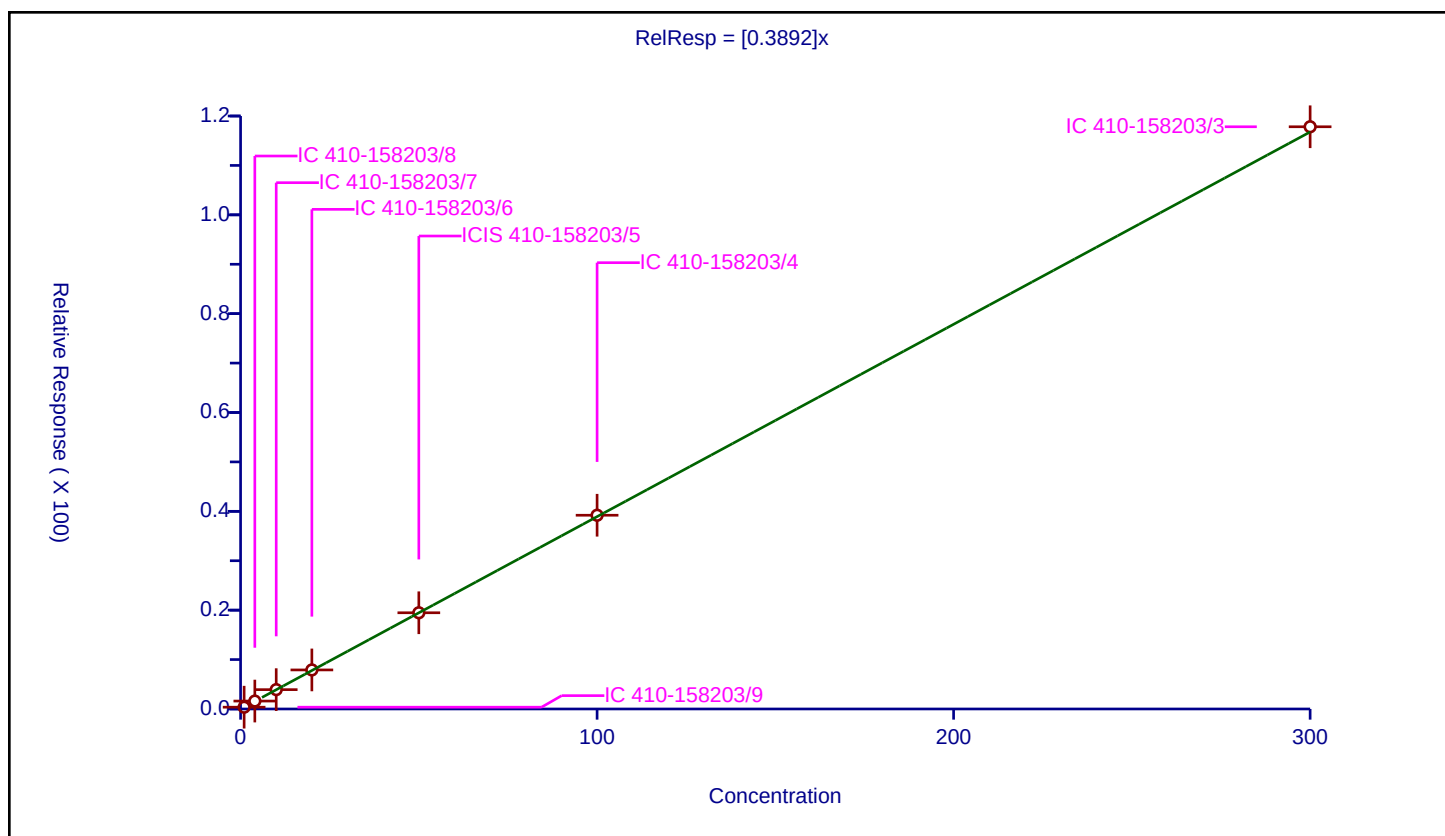
Curve Coefficients

Intercept: 0
 Slope: 0.3892

Error Coefficients

Standard Error: 968000
 Relative Standard Error: 3.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.362317	50.0	913151.0	0.362317	Y
2	IC 410-158203/8	4.0	1.604748	50.0	911950.0	0.401187	Y
3	IC 410-158203/7	10.0	3.917474	50.0	892565.0	0.391747	Y
4	IC 410-158203/6	20.0	7.903388	50.0	914652.0	0.395169	Y
5	ICIS 410-158203/5	50.0	19.474129	50.0	926768.0	0.389483	Y
6	IC 410-158203/4	100.0	39.205951	50.0	925635.0	0.39206	Y
7	IC 410-158203/3	300.0	117.824792	50.0	942788.0	0.392749	Y



Calibration

/ Ethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

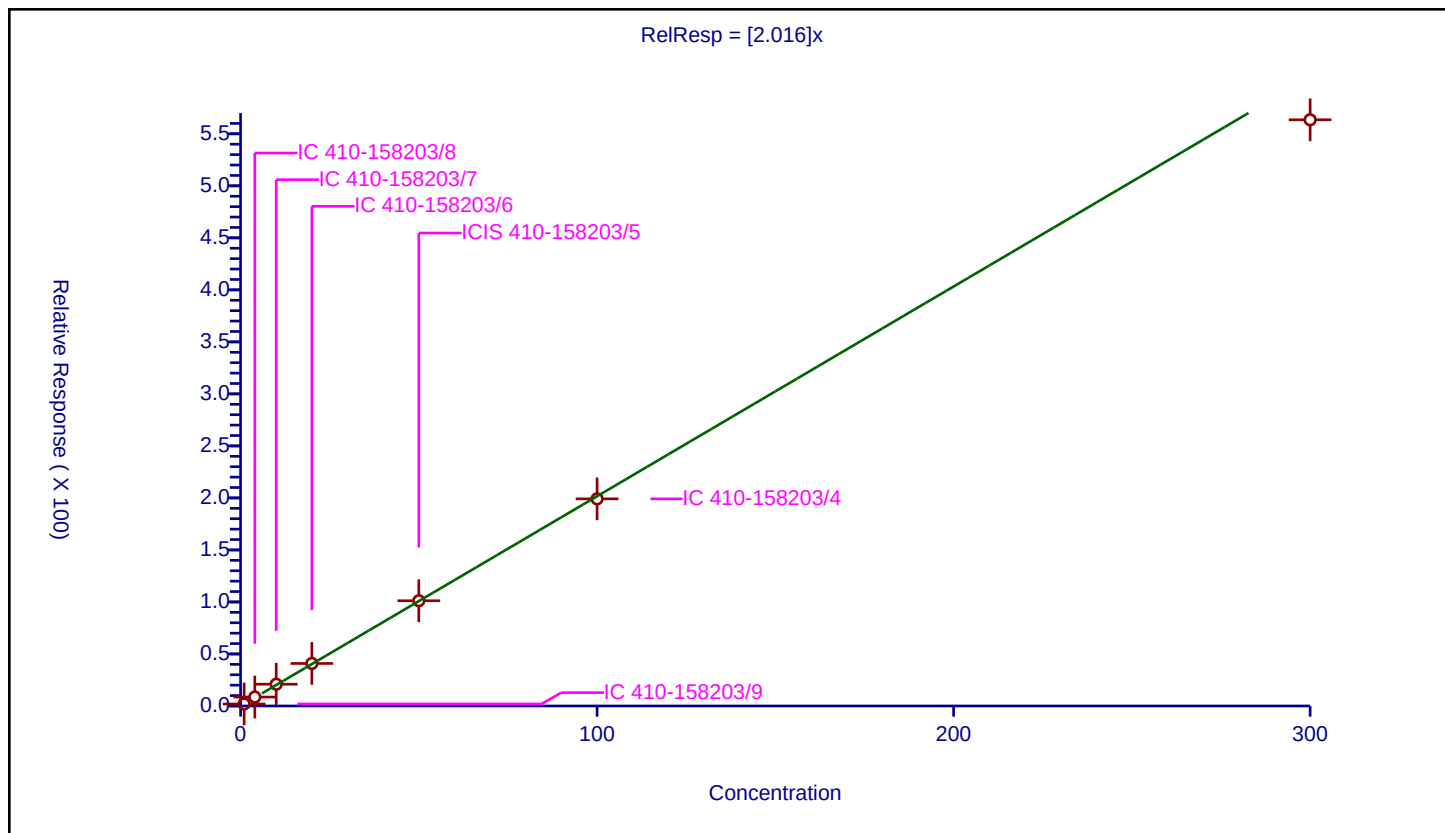
Curve Coefficients

Intercept: 0
 Slope: 2.016

Error Coefficients

Standard Error: 4670000
 Relative Standard Error: 4.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	1.936427	50.0	913151.0	1.936427	Y
2	IC 410-158203/8	4.0	8.589177	50.0	911950.0	2.147294	Y
3	IC 410-158203/7	10.0	20.929008	50.0	892565.0	2.092901	Y
4	IC 410-158203/6	20.0	40.873961	50.0	914652.0	2.043698	Y
5	ICIS 410-158203/5	50.0	101.153471	50.0	926768.0	2.023069	Y
6	IC 410-158203/4	100.0	199.112231	50.0	925635.0	1.991122	Y
7	IC 410-158203/3	300.0	563.478428	50.0	942788.0	1.878261	Y



Calibration

/ m-Xylene & p-Xylene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

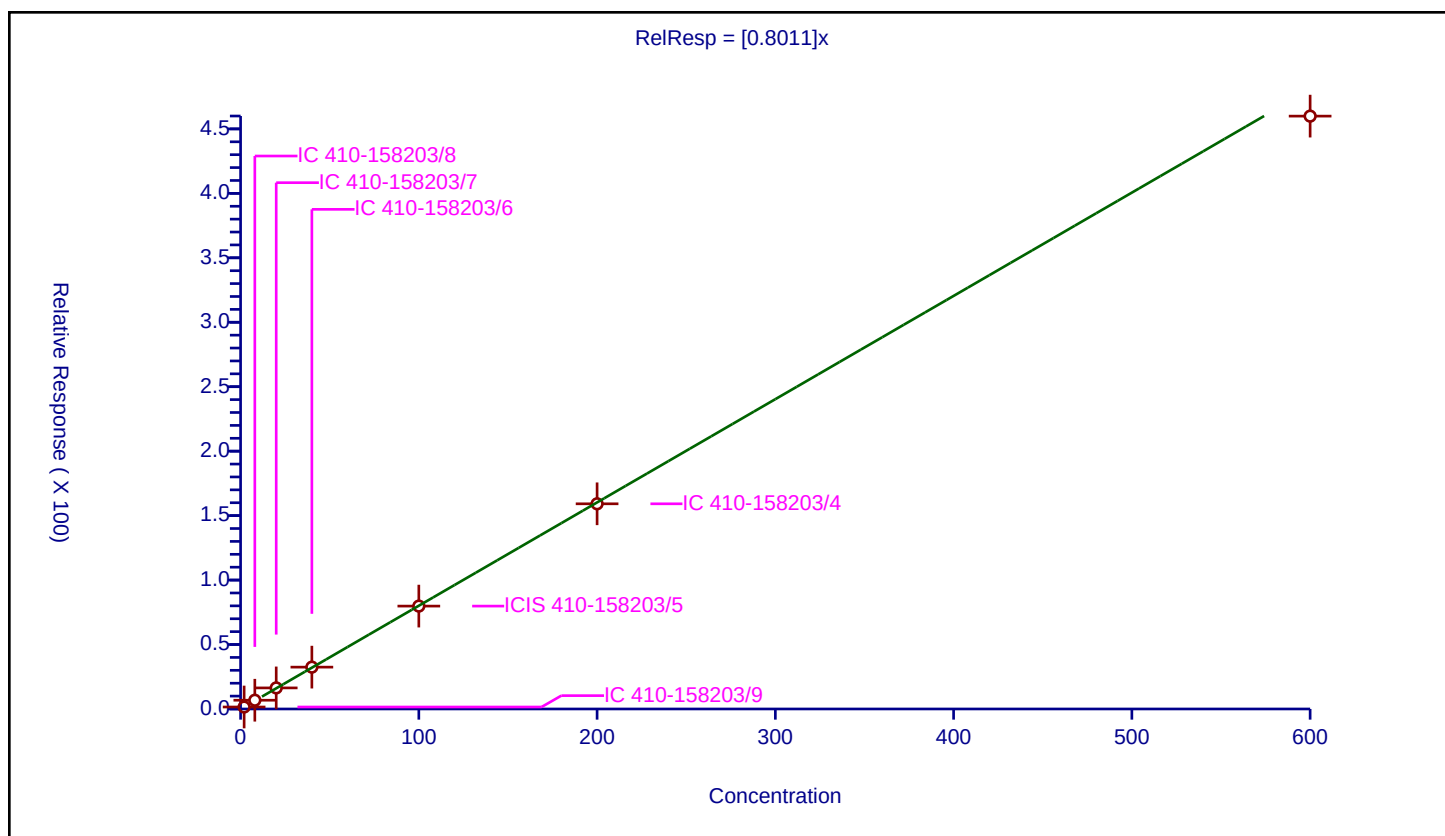
Curve Coefficients

Intercept: 0
 Slope: 0.8011

Error Coefficients

Standard Error: 3800000
 Relative Standard Error: 3.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	2.0	1.53715	50.0	913151.0	0.768575	Y
2	IC 410-158203/8	8.0	6.797357	50.0	911950.0	0.84967	Y
3	IC 410-158203/7	20.0	16.343684	50.0	892565.0	0.817184	Y
4	IC 410-158203/6	40.0	32.477817	50.0	914652.0	0.811945	Y
5	ICIS 410-158203/5	100.0	79.81593	50.0	926768.0	0.798159	Y
6	IC 410-158203/4	200.0	159.182021	50.0	925635.0	0.79591	Y
7	IC 410-158203/3	600.0	459.907477	50.0	942788.0	0.766512	Y



Calibration

/ o-Xylene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

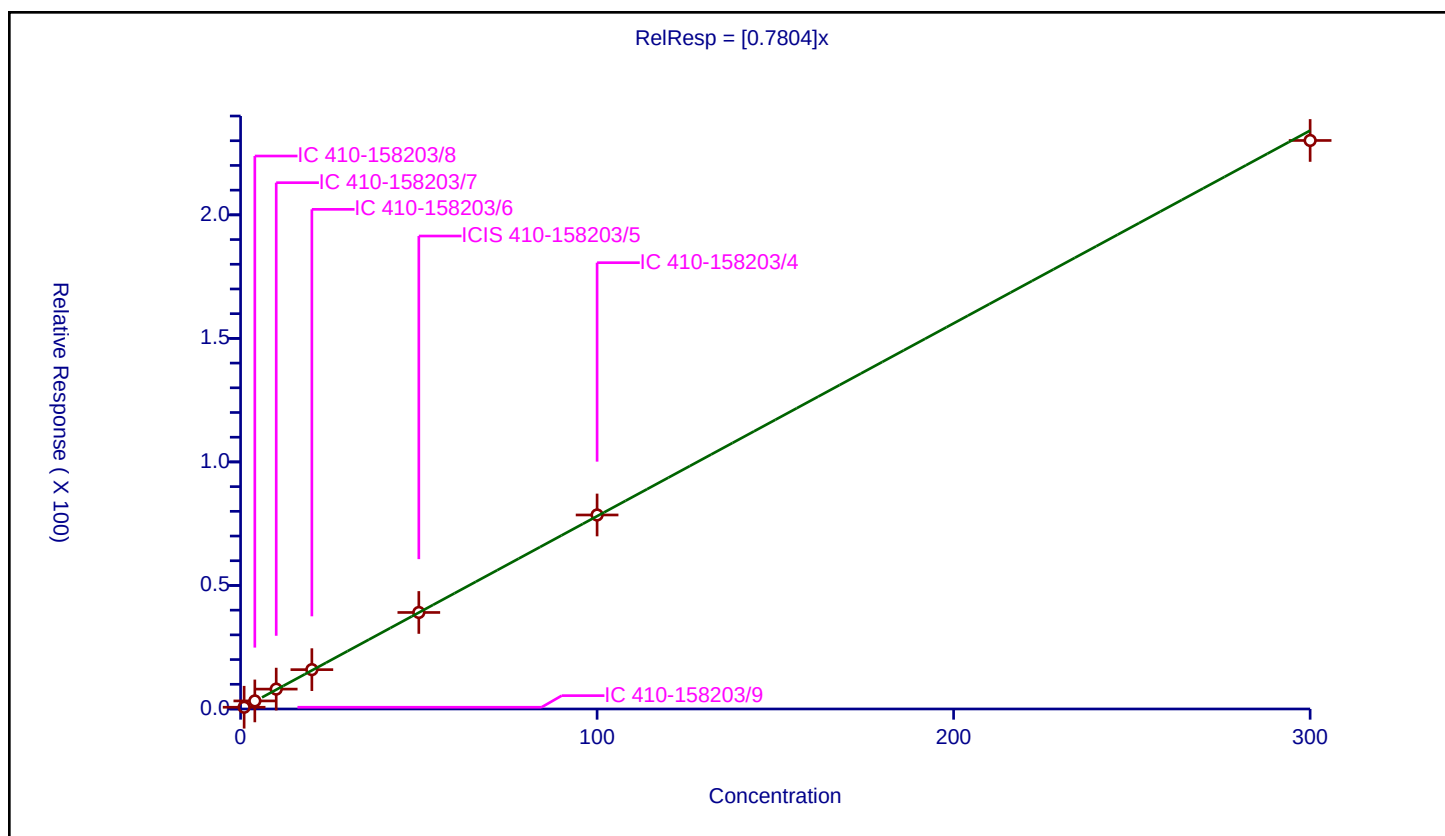
Curve Coefficients

Intercept: 0
Slope: 0.7804

Error Coefficients

Standard Error: 1900000
Relative Standard Error: 4.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.710726	50.0	913151.0	0.710726	Y
2	IC 410-158203/8	4.0	3.267559	50.0	911950.0	0.81689	Y
3	IC 410-158203/7	10.0	8.049946	50.0	892565.0	0.804995	Y
4	IC 410-158203/6	20.0	15.928736	50.0	914652.0	0.796437	Y
5	ICIS 410-158203/5	50.0	39.065602	50.0	926768.0	0.781312	Y
6	IC 410-158203/4	100.0	78.52901	50.0	925635.0	0.78529	Y
7	IC 410-158203/3	300.0	230.104382	50.0	942788.0	0.767015	Y



Calibration

/ Styrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

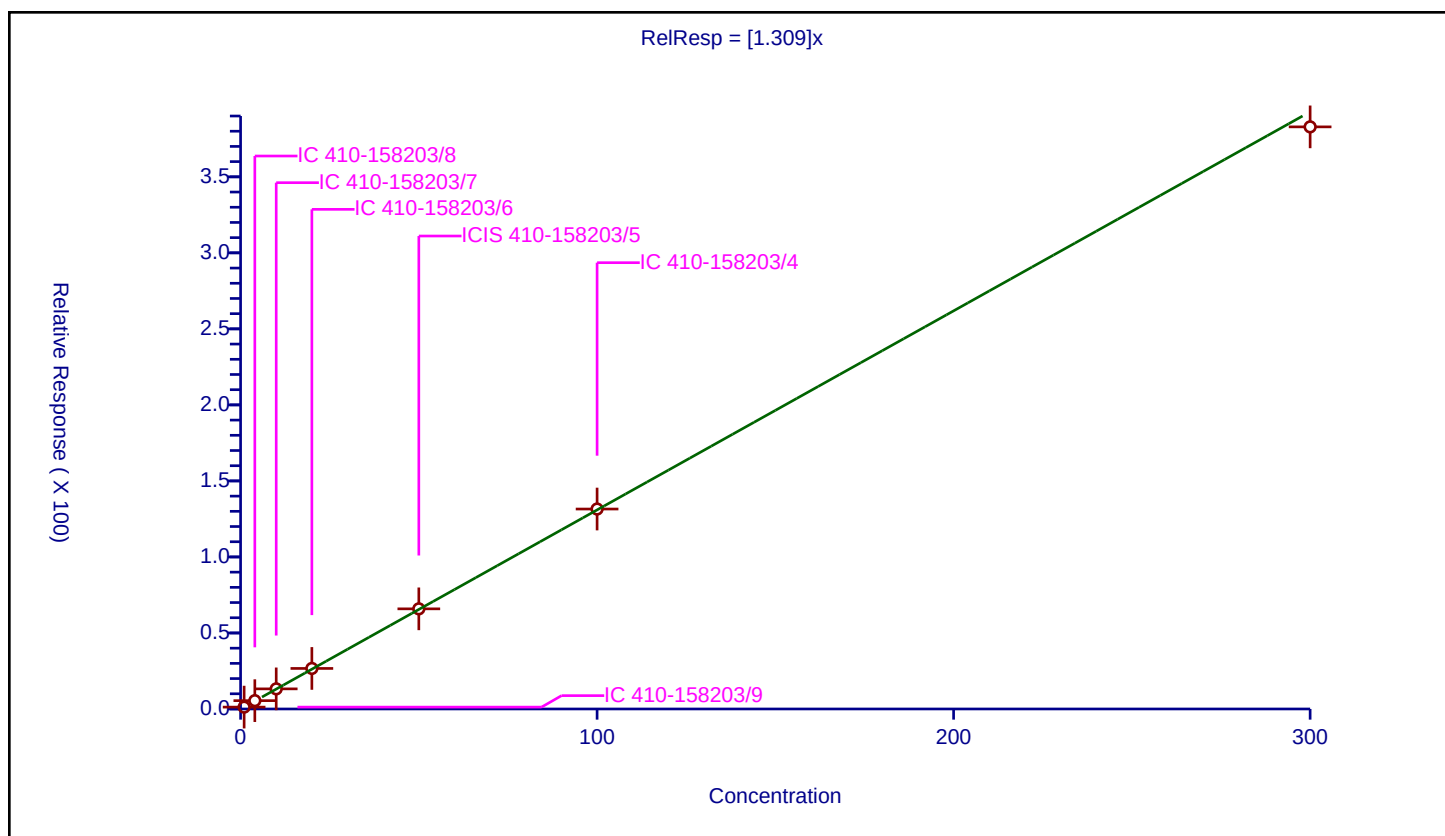
Curve Coefficients

Intercept: 0
 Slope: 1.309

Error Coefficients

Standard Error: 3160000
 Relative Standard Error: 3.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	1.230738	50.0	913151.0	1.230738	Y
2	IC 410-158203/8	4.0	5.474478	50.0	911950.0	1.368619	Y
3	IC 410-158203/7	10.0	13.23293	50.0	892565.0	1.323293	Y
4	IC 410-158203/6	20.0	26.666973	50.0	914652.0	1.333349	Y
5	ICIS 410-158203/5	50.0	65.867779	50.0	926768.0	1.317356	Y
6	IC 410-158203/4	100.0	131.52074	50.0	925635.0	1.315207	Y
7	IC 410-158203/3	300.0	382.857758	50.0	942788.0	1.276193	Y



Calibration

/ Bromoform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

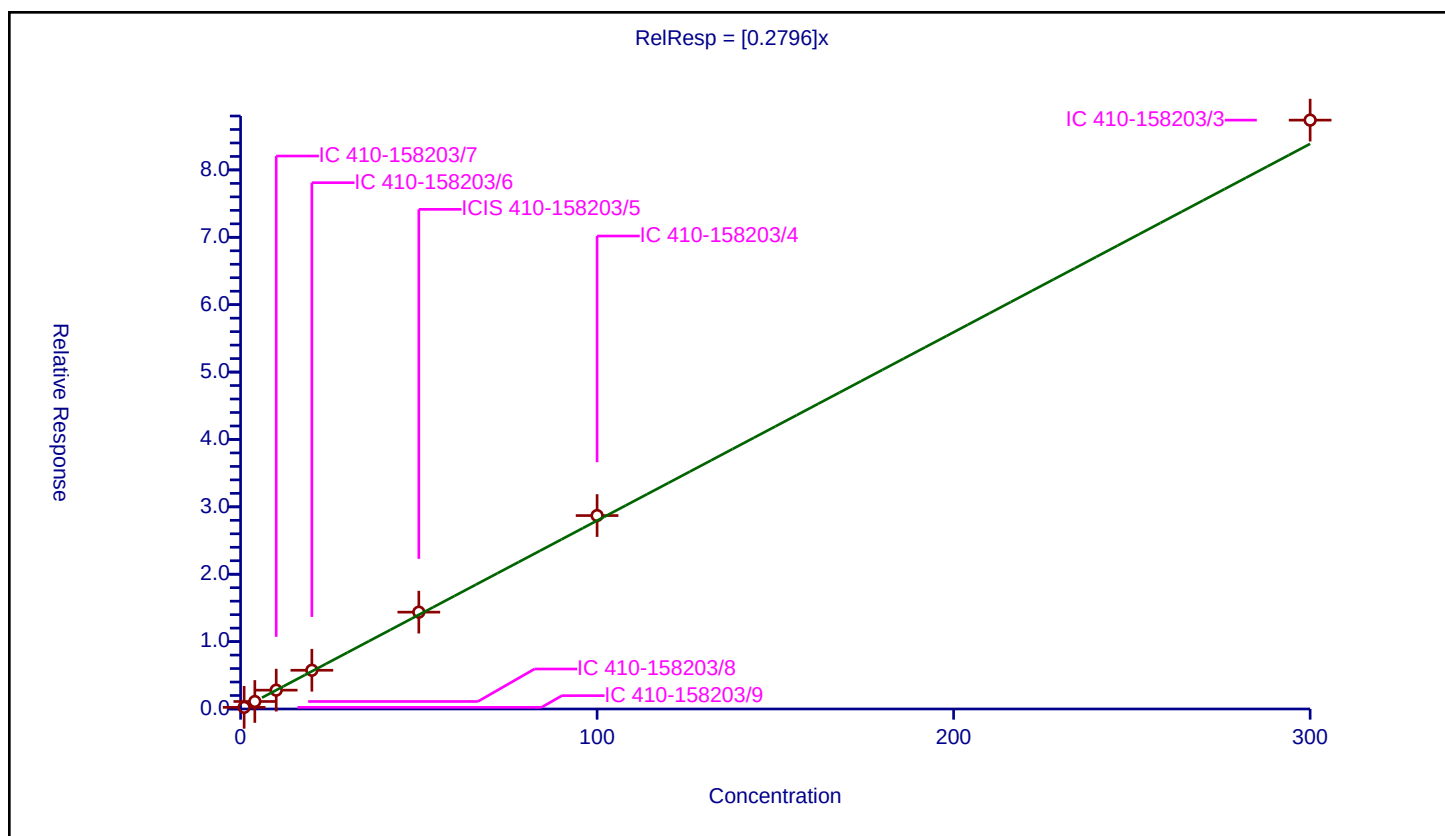
Curve Coefficients

Intercept: 0
Slope: 0.2796

Error Coefficients

Standard Error: 717000
Relative Standard Error: 5.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.24525	50.0	913151.0	0.24525	Y
2	IC 410-158203/8	4.0	1.115412	50.0	911950.0	0.278853	Y
3	IC 410-158203/7	10.0	2.795707	50.0	892565.0	0.279571	Y
4	IC 410-158203/6	20.0	5.749181	50.0	914652.0	0.287459	Y
5	ICIS 410-158203/5	50.0	14.37145	50.0	926768.0	0.287429	Y
6	IC 410-158203/4	100.0	28.704943	50.0	925635.0	0.287049	Y
7	IC 410-158203/3	300.0	87.389583	50.0	942788.0	0.291299	Y



Calibration

/ Isopropylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

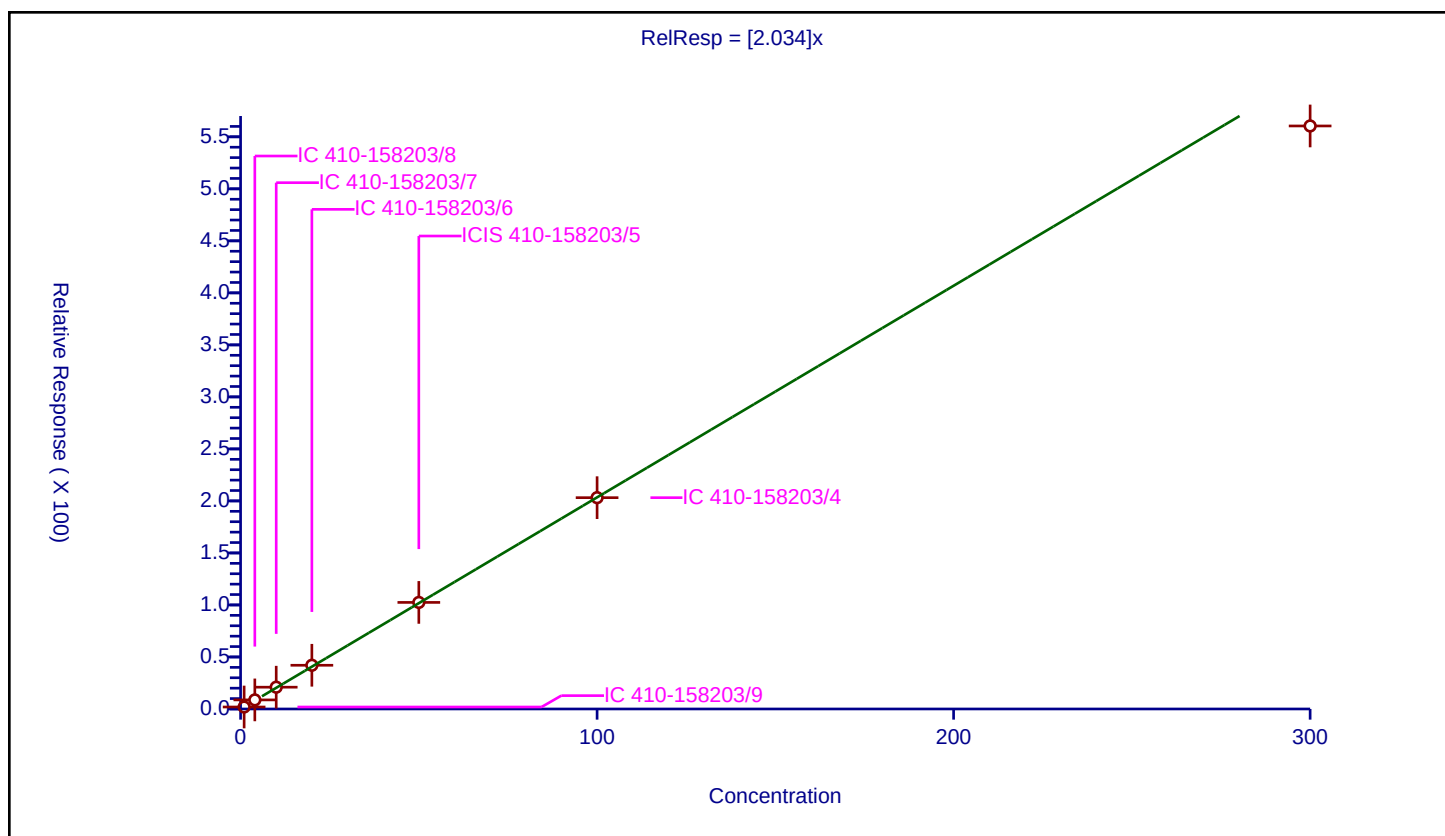
Curve Coefficients

Intercept: 0
 Slope: 2.034

Error Coefficients

Standard Error: 4660000
 Relative Standard Error: 5.4
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	1.912718	50.0	913151.0	1.912718	Y
2	IC 410-158203/8	4.0	8.72493	50.0	911950.0	2.181233	Y
3	IC 410-158203/7	10.0	20.963123	50.0	892565.0	2.096312	Y
4	IC 410-158203/6	20.0	42.020954	50.0	914652.0	2.101048	Y
5	ICIS 410-158203/5	50.0	102.433889	50.0	926768.0	2.048678	Y
6	IC 410-158203/4	100.0	203.125638	50.0	925635.0	2.031256	Y
7	IC 410-158203/3	300.0	560.432727	50.0	942788.0	1.868109	Y



Calibration

/ Cyclohexanone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

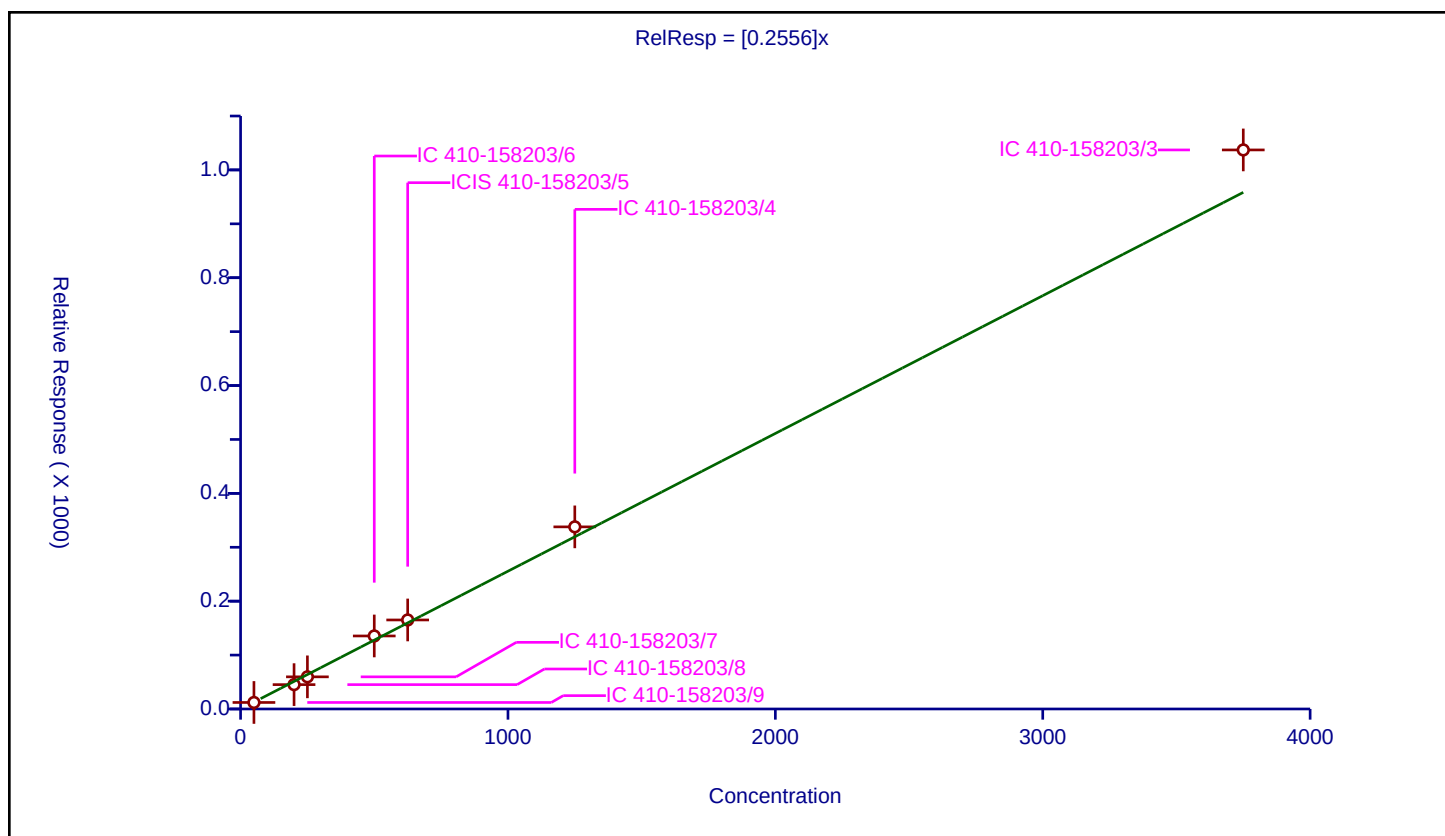
Curve Coefficients

Intercept: 0
Slope: 0.2556

Error Coefficients

Standard Error: 464000
Relative Standard Error: 7.7
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	50.00111	12.115631	250.0	299159.0	0.242307	Y
2	IC 410-158203/8	200.002013	45.195487	250.0	295826.0	0.225975	Y
3	IC 410-158203/7	250.002516	59.643956	250.0	302210.0	0.238573	Y
4	IC 410-158203/6	500.005032	135.491753	250.0	286475.0	0.270981	Y
5	ICIS 410-158203/5	625.00629	165.168346	250.0	310403.0	0.264267	Y
6	IC 410-158203/4	1250.01258	337.833969	250.0	268925.0	0.270264	Y
7	IC 410-158203/3	3750.03774	1037.058943	250.0	251498.0	0.276546	Y



Calibration

/ 4-Bromofluorobenzene (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

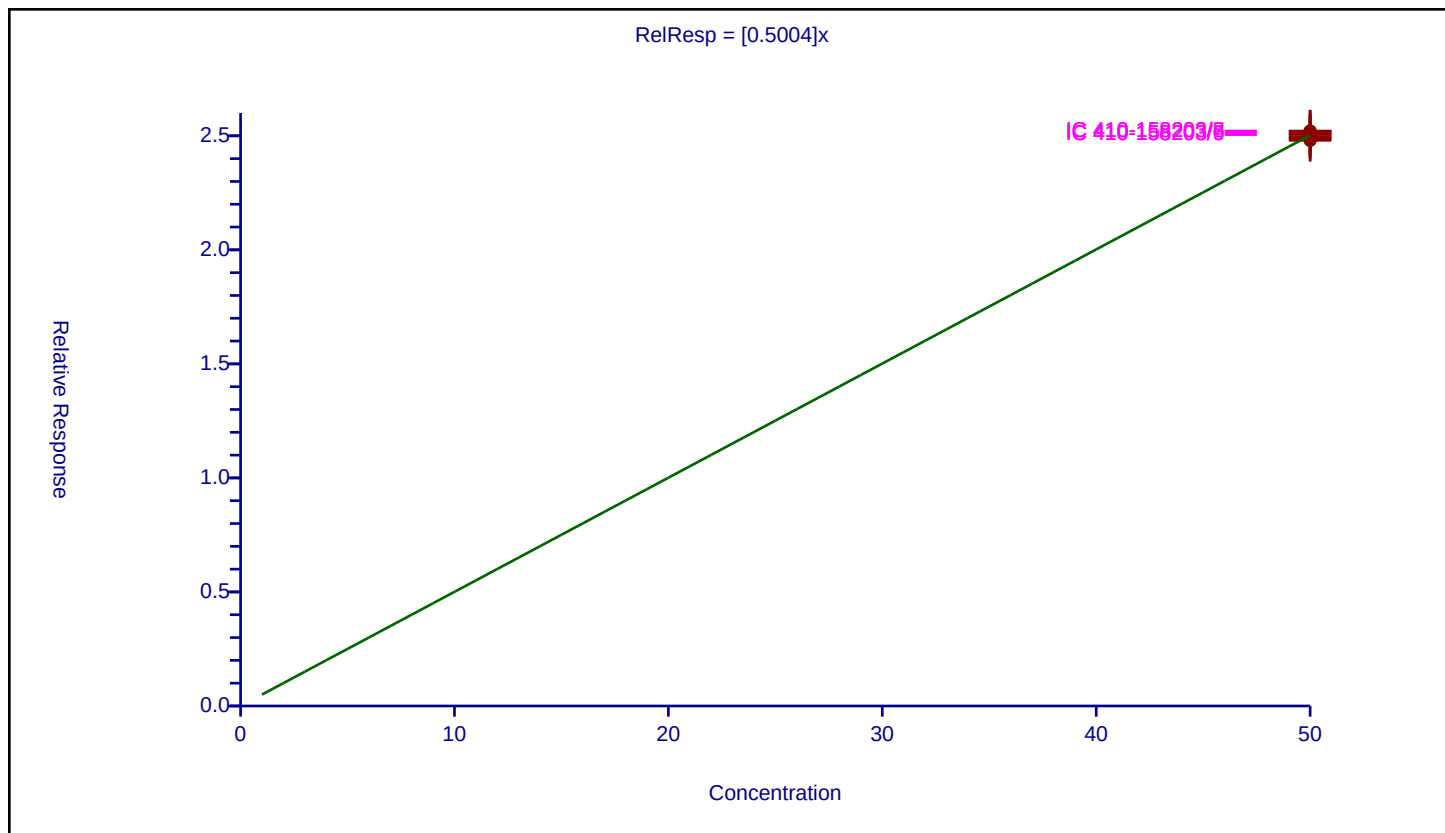
Curve Coefficients

Intercept: 0
 Slope: 0.5004

Error Coefficients

Standard Error: 496000
 Relative Standard Error: 0.6
 Correlation Coefficient: NA
 Coefficient of Determination (Adjusted): 0.000000000000000111

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/3	50.0	24.894568	50.0	942788.0	0.497891	Y
2	IC 410-158203/4	50.0	24.932668	50.0	925635.0	0.498653	Y
3	ICIS 410-158203/5	50.0	24.803187	50.0	926768.0	0.496064	Y
4	IC 410-158203/6	50.0	25.054884	50.0	914652.0	0.501098	Y
5	IC 410-158203/7	50.0	25.185113	50.0	892565.0	0.503702	Y
6	IC 410-158203/8	50.0	25.207851	50.0	911950.0	0.504157	Y
7	IC 410-158203/9	50.0	25.078163	50.0	913151.0	0.501563	Y



Calibration

/ 1,1,2,2-Tetrachloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

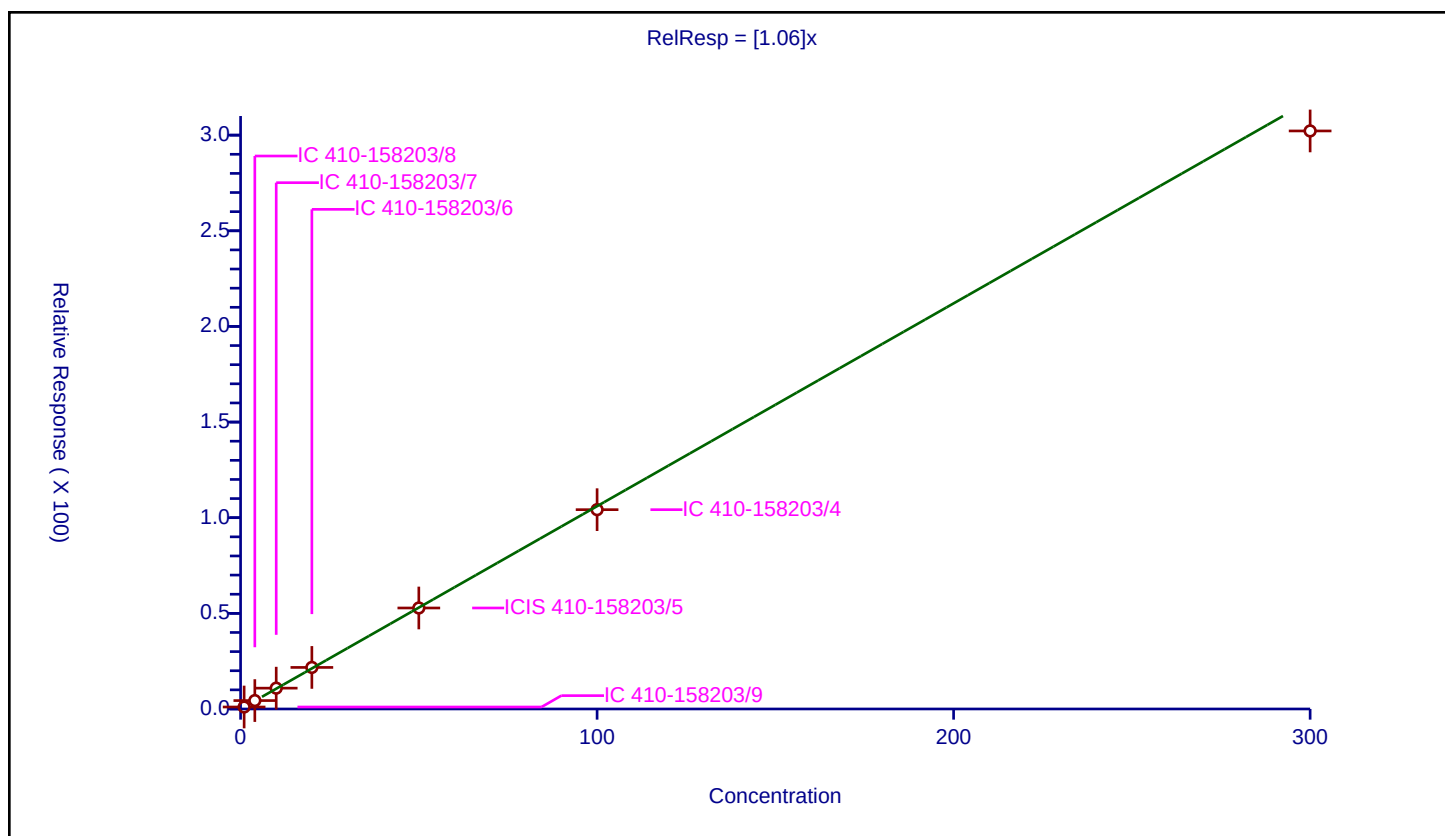
Curve Coefficients

Intercept: 0
Slope: 1.06

Error Coefficients

Standard Error: 1360000
Relative Standard Error: 3.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	1.039518	50.0	490708.0	1.039518	Y
2	IC 410-158203/8	4.0	4.40516	50.0	488938.0	1.10129	Y
3	IC 410-158203/7	10.0	10.890972	50.0	487950.0	1.089097	Y
4	IC 410-158203/6	20.0	21.725341	50.0	491723.0	1.086267	Y
5	ICIS 410-158203/5	50.0	52.805492	50.0	497346.0	1.05611	Y
6	IC 410-158203/4	100.0	104.205401	50.0	489870.0	1.042054	Y
7	IC 410-158203/3	300.0	302.190968	50.0	517511.0	1.007303	Y



Calibration

/ Bromobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

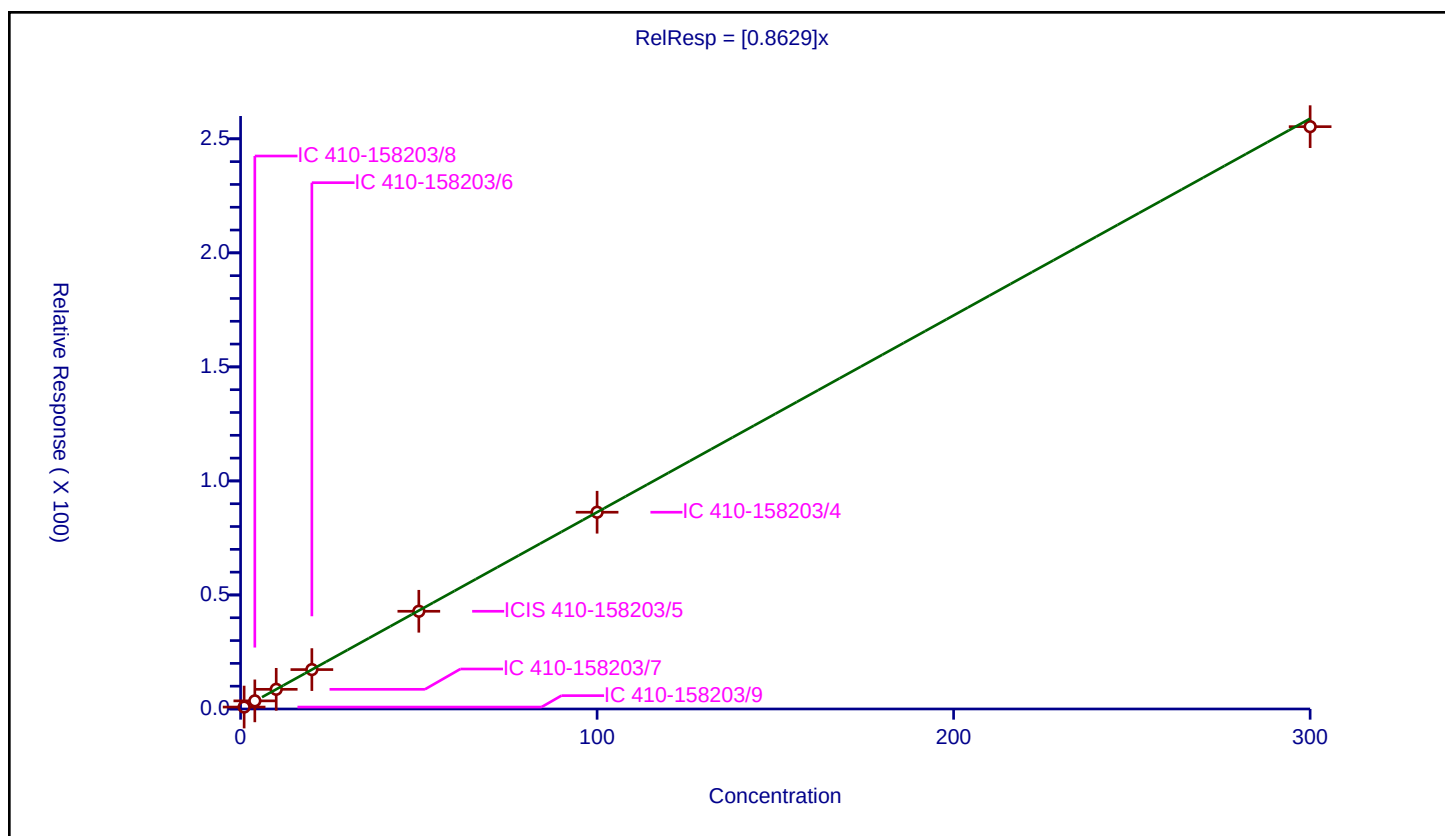
Curve Coefficients

Intercept: 0
Slope: 0.8629

Error Coefficients

Standard Error: 1150000
Relative Standard Error: 1.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.85234	50.0	490708.0	0.85234	Y
2	IC 410-158203/8	4.0	3.56446	50.0	488938.0	0.891115	Y
3	IC 410-158203/7	10.0	8.623732	50.0	487950.0	0.862373	Y
4	IC 410-158203/6	20.0	17.270191	50.0	491723.0	0.86351	Y
5	ICIS 410-158203/5	50.0	42.85045	50.0	497346.0	0.857009	Y
6	IC 410-158203/4	100.0	86.270235	50.0	489870.0	0.862702	Y
7	IC 410-158203/3	300.0	255.336408	50.0	517511.0	0.851121	Y



Calibration

/ trans-1,4-Dichloro-2-butene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

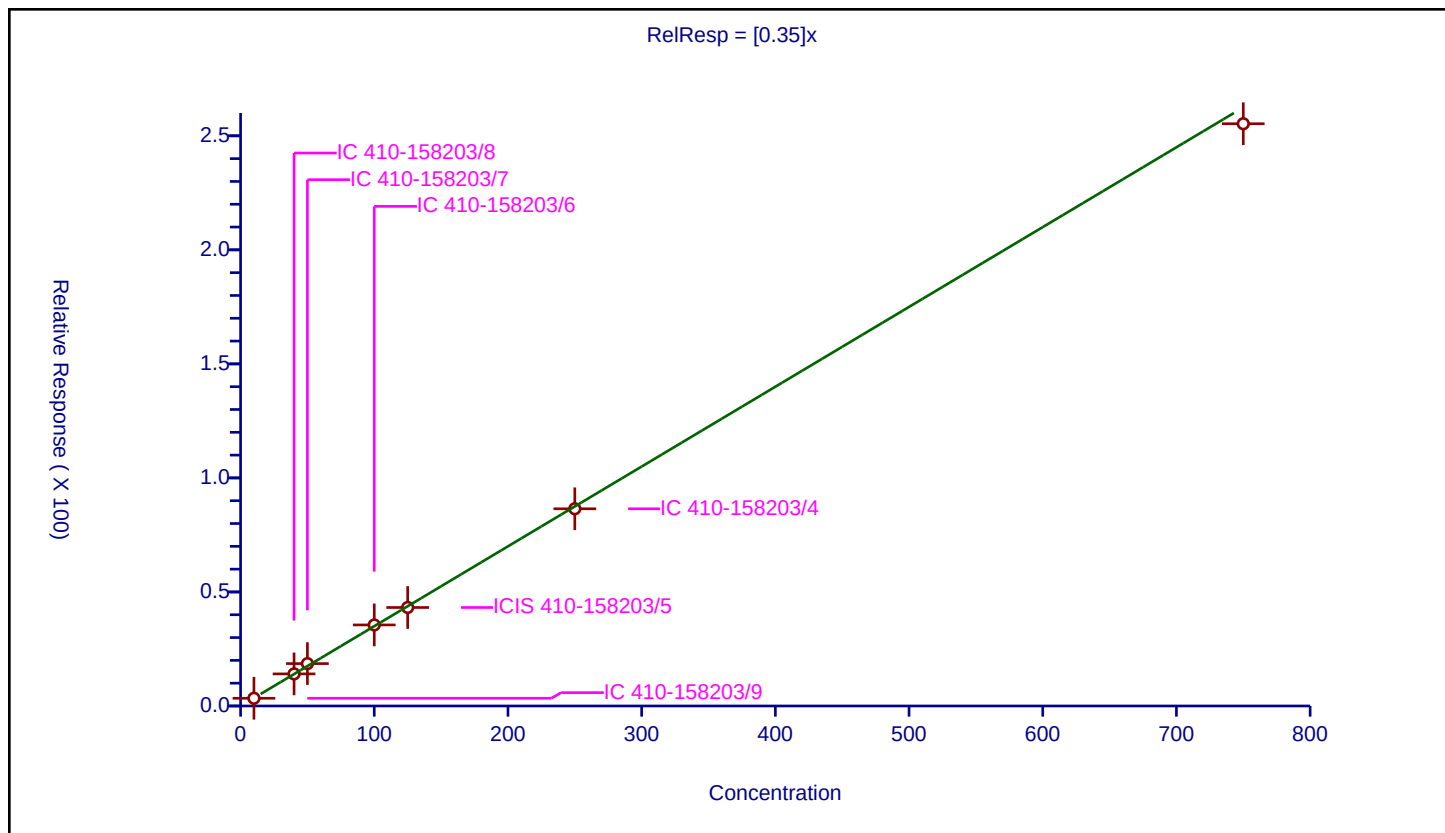
Curve Coefficients

Intercept: 0
Slope: 0.35

Error Coefficients

Standard Error: 1160000
Relative Standard Error: 3.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	10.0	3.388573	50.0	490708.0	0.338857	Y
2	IC 410-158203/8	40.0	14.074484	50.0	488938.0	0.351862	Y
3	IC 410-158203/7	50.0	18.590429	50.0	487950.0	0.371809	Y
4	IC 410-158203/6	100.0	35.535149	50.0	491723.0	0.355351	Y
5	ICIS 410-158203/5	125.0	43.188645	50.0	497346.0	0.345509	Y
6	IC 410-158203/4	250.0	86.471513	50.0	489870.0	0.345886	Y
7	IC 410-158203/3	750.0	255.302399	50.0	517511.0	0.340403	Y



Calibration

/ 1,2,3-Trichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

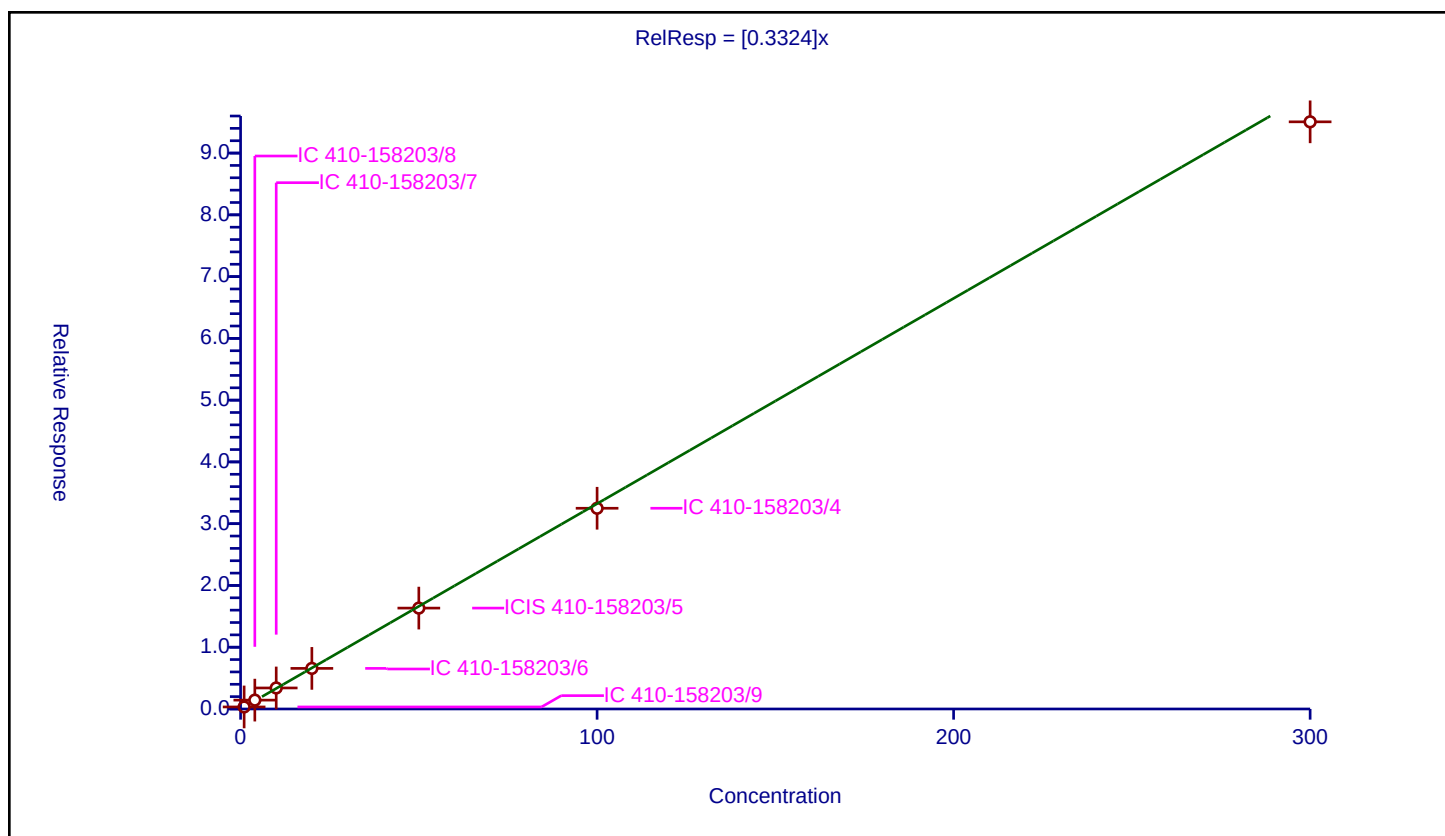
Curve Coefficients

Intercept: 0
 Slope: 0.3324

Error Coefficients

Standard Error: 428000
 Relative Standard Error: 4.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.330747	50.0	490708.0	0.330747	Y
2	IC 410-158203/8	4.0	1.433822	50.0	488938.0	0.358455	Y
3	IC 410-158203/7	10.0	3.404037	50.0	487950.0	0.340404	Y
4	IC 410-158203/6	20.0	6.571688	50.0	491723.0	0.328584	Y
5	ICIS 410-158203/5	50.0	16.332191	50.0	497346.0	0.326644	Y
6	IC 410-158203/4	100.0	32.496377	50.0	489870.0	0.324964	Y
7	IC 410-158203/3	300.0	95.058366	50.0	517511.0	0.316861	Y



Calibration

/ N-Propylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

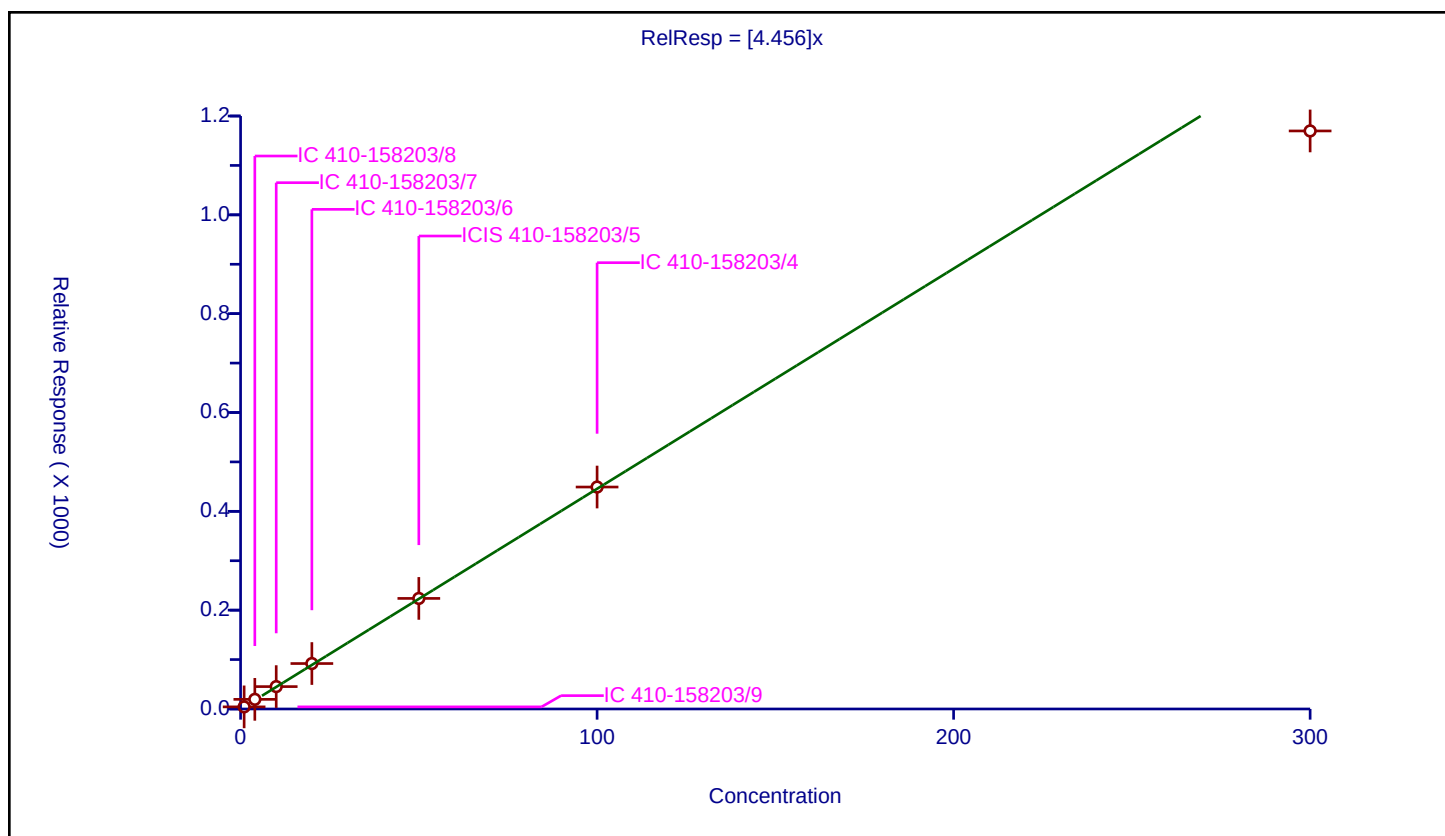
Curve Coefficients

Intercept: 0
Slope: 4.456

Error Coefficients

Standard Error: 5350000
Relative Standard Error: 6.7
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	4.311729	50.0	490708.0	4.311729	Y
2	IC 410-158203/8	4.0	19.533049	50.0	488938.0	4.883262	Y
3	IC 410-158203/7	10.0	45.325238	50.0	487950.0	4.532524	Y
4	IC 410-158203/6	20.0	91.994375	50.0	491723.0	4.599719	Y
5	ICIS 410-158203/5	50.0	223.740012	50.0	497346.0	4.4748	Y
6	IC 410-158203/4	100.0	449.154674	50.0	489870.0	4.491547	Y
7	IC 410-158203/3	300.0	1169.772237	50.0	517511.0	3.899241	Y



Calibration

/ 2-Chlorotoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

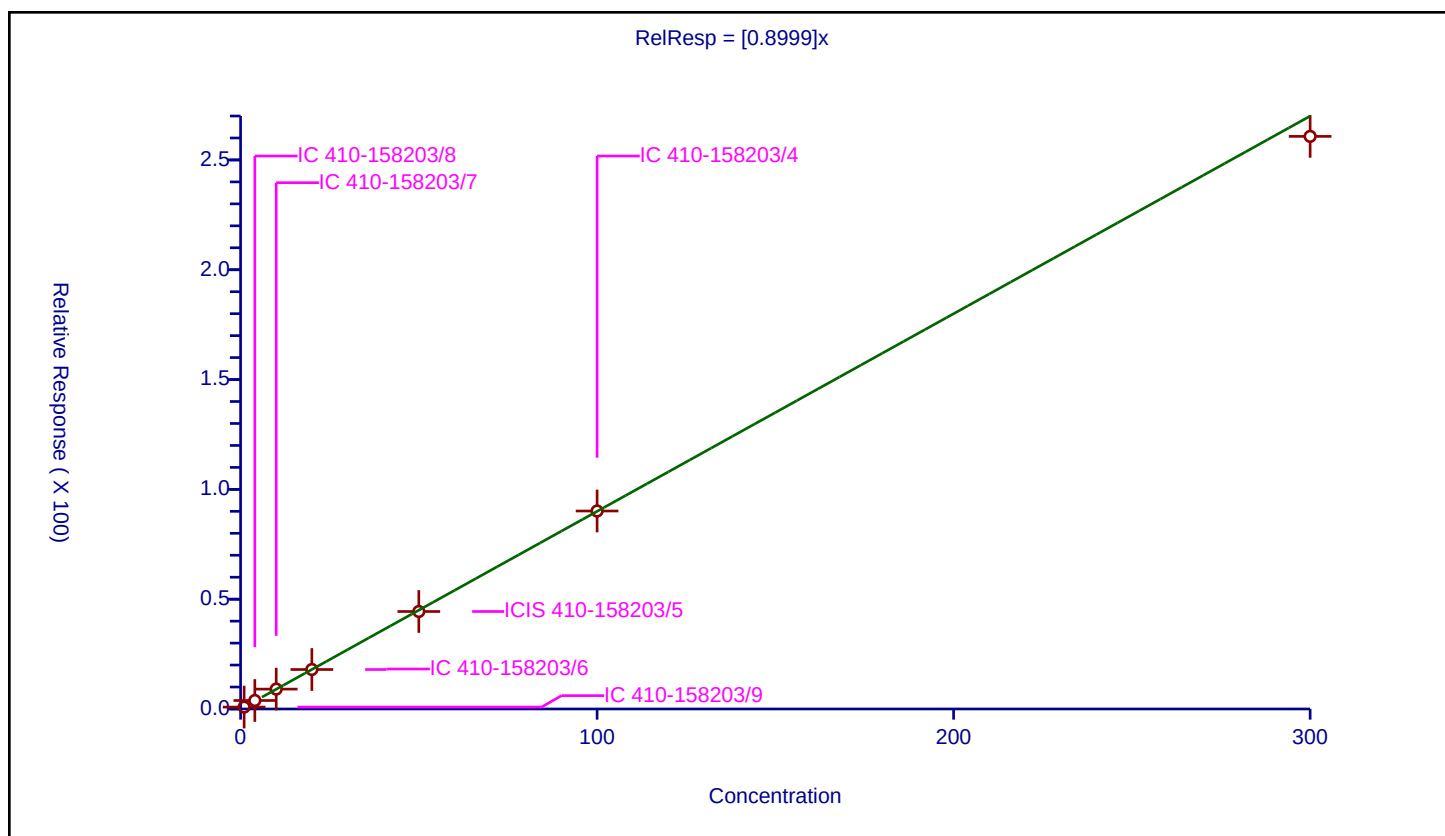
Curve Coefficients

Intercept: 0
Slope: 0.8999

Error Coefficients

Standard Error: 1180000
Relative Standard Error: 3.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.869662	50.0	490708.0	0.869662	Y
2	IC 410-158203/8	4.0	3.866032	50.0	488938.0	0.966508	Y
3	IC 410-158203/7	10.0	9.057076	50.0	487950.0	0.905708	Y
4	IC 410-158203/6	20.0	17.980143	50.0	491723.0	0.899007	Y
5	ICIS 410-158203/5	50.0	44.38781	50.0	497346.0	0.887756	Y
6	IC 410-158203/4	100.0	90.151877	50.0	489870.0	0.901519	Y
7	IC 410-158203/3	300.0	260.722188	50.0	517511.0	0.869074	Y



Calibration

/ 1,3,5-Trimethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

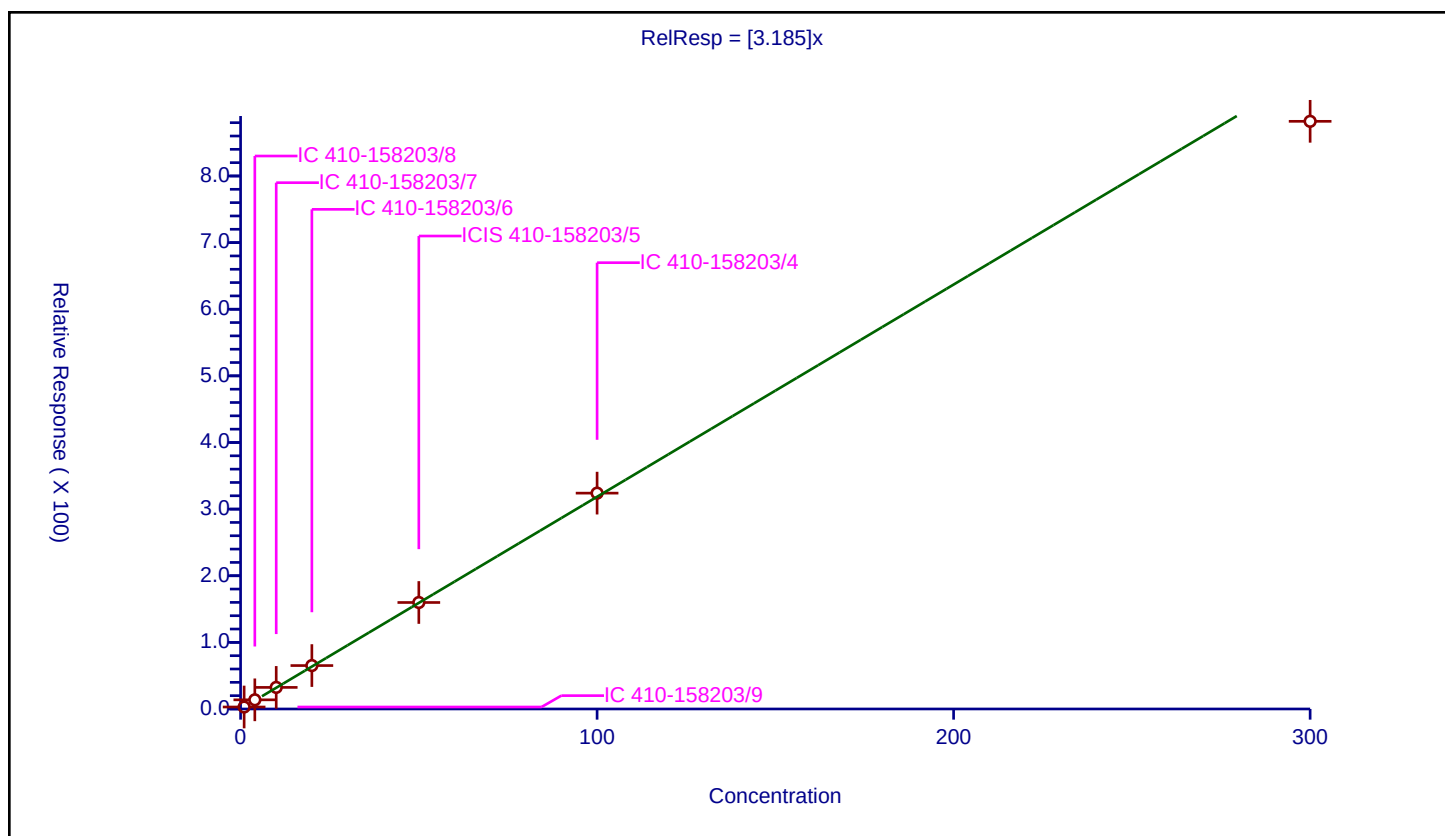
Curve Coefficients

Intercept: 0
Slope: 3.185

Error Coefficients

Standard Error: 4010000
Relative Standard Error: 5.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	2.985788	50.0	490708.0	2.985788	Y
2	IC 410-158203/8	4.0	13.740086	50.0	488938.0	3.435021	Y
3	IC 410-158203/7	10.0	32.405574	50.0	487950.0	3.240557	Y
4	IC 410-158203/6	20.0	65.166567	50.0	491723.0	3.258328	Y
5	ICIS 410-158203/5	50.0	159.827062	50.0	497346.0	3.196541	Y
6	IC 410-158203/4	100.0	323.962174	50.0	489870.0	3.239622	Y
7	IC 410-158203/3	300.0	882.024827	50.0	517511.0	2.940083	Y



Calibration

/ 4-Chlorotoluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

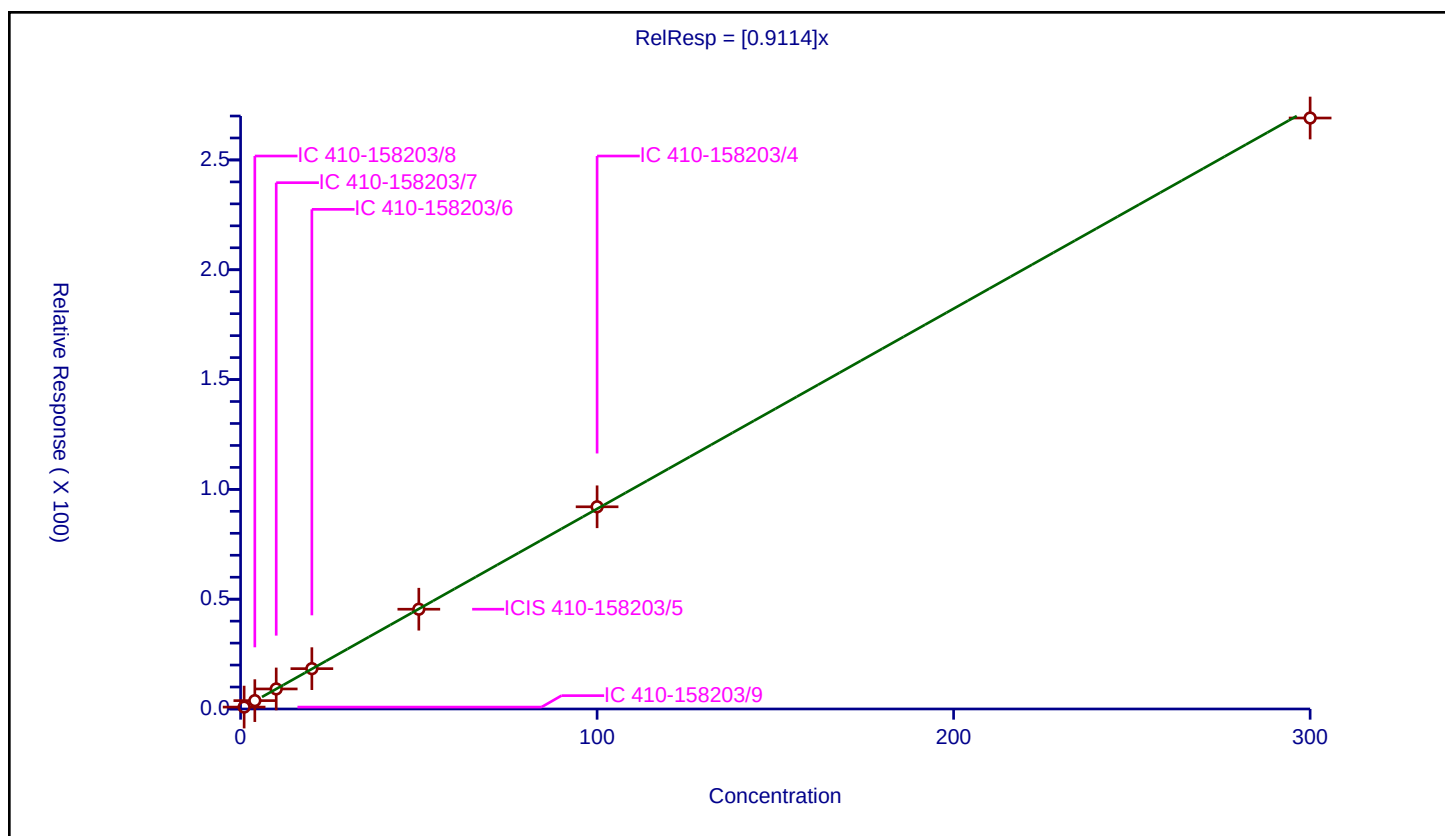
Curve Coefficients

Intercept: 0
 Slope: 0.9114

Error Coefficients

Standard Error: 1210000
 Relative Standard Error: 2.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.871903	50.0	490708.0	0.871903	Y
2	IC 410-158203/8	4.0	3.804572	50.0	488938.0	0.951143	Y
3	IC 410-158203/7	10.0	9.121324	50.0	487950.0	0.912132	Y
4	IC 410-158203/6	20.0	18.363693	50.0	491723.0	0.918185	Y
5	ICIS 410-158203/5	50.0	45.432455	50.0	497346.0	0.908649	Y
6	IC 410-158203/4	100.0	92.062996	50.0	489870.0	0.92063	Y
7	IC 410-158203/3	300.0	269.089546	50.0	517511.0	0.896965	Y



Calibration

/ tert-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

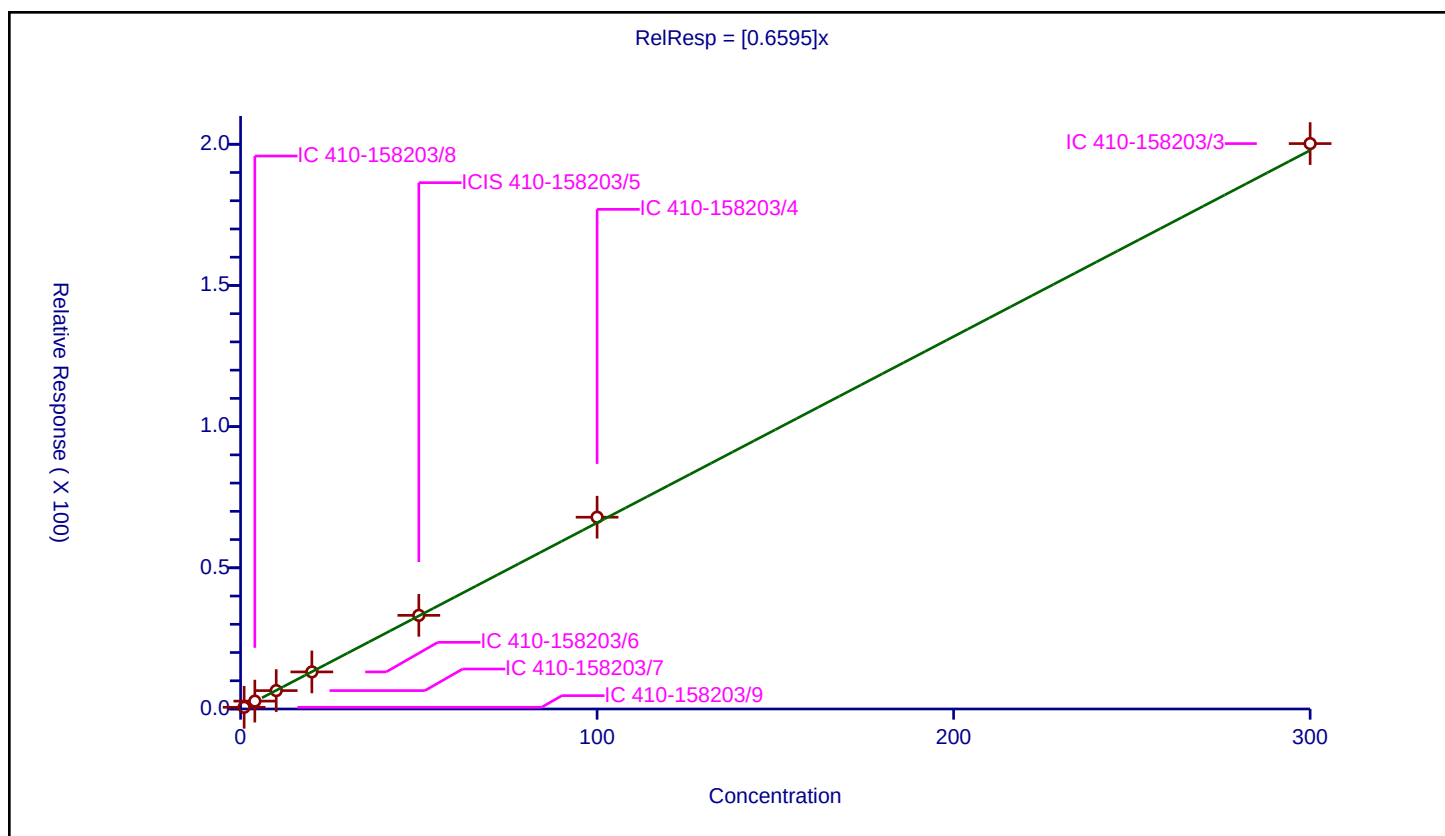
Curve Coefficients

Intercept: 0
Slope: 0.6595

Error Coefficients

Standard Error: 901000
Relative Standard Error: 4.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.600153	50.0	490708.0	0.600153	Y
2	IC 410-158203/8	4.0	2.794322	50.0	488938.0	0.69858	Y
3	IC 410-158203/7	10.0	6.508864	50.0	487950.0	0.650886	Y
4	IC 410-158203/6	20.0	13.134834	50.0	491723.0	0.656742	Y
5	ICIS 410-158203/5	50.0	33.165945	50.0	497346.0	0.663319	Y
6	IC 410-158203/4	100.0	67.911589	50.0	489870.0	0.679116	Y
7	IC 410-158203/3	300.0	200.235744	50.0	517511.0	0.667452	Y



Calibration

/ 1,2,4-Trimethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

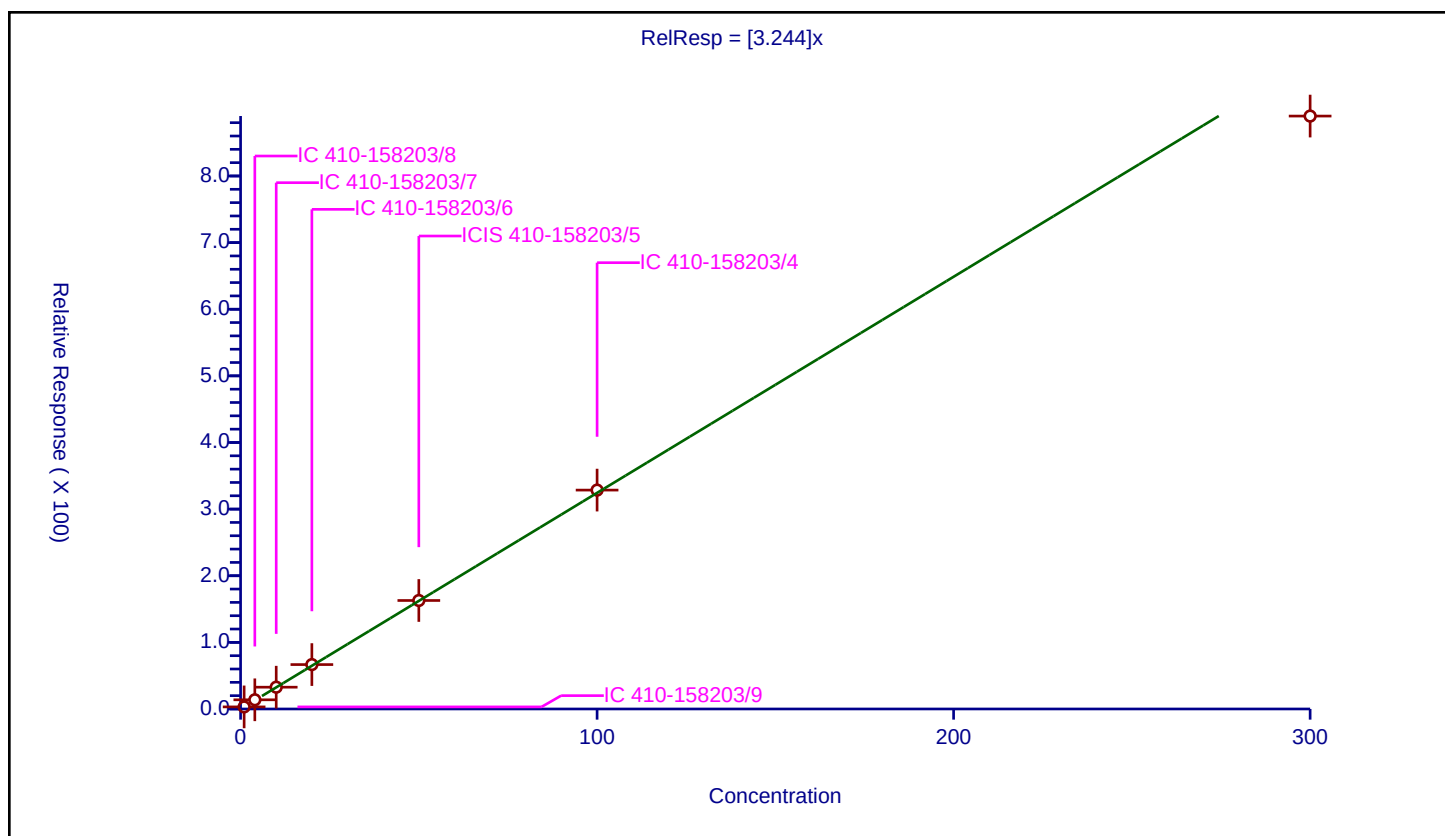
Curve Coefficients

Intercept: 0
 Slope: 3.244

Error Coefficients

Standard Error: 4050000
 Relative Standard Error: 4.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	3.149938	50.0	490708.0	3.149938	Y
2	IC 410-158203/8	4.0	13.770867	50.0	488938.0	3.442717	Y
3	IC 410-158203/7	10.0	32.725894	50.0	487950.0	3.272589	Y
4	IC 410-158203/6	20.0	66.64555	50.0	491723.0	3.332278	Y
5	ICIS 410-158203/5	50.0	162.826181	50.0	497346.0	3.256524	Y
6	IC 410-158203/4	100.0	328.526752	50.0	489870.0	3.285268	Y
7	IC 410-158203/3	300.0	889.937122	50.0	517511.0	2.966457	Y



Calibration

/ sec-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

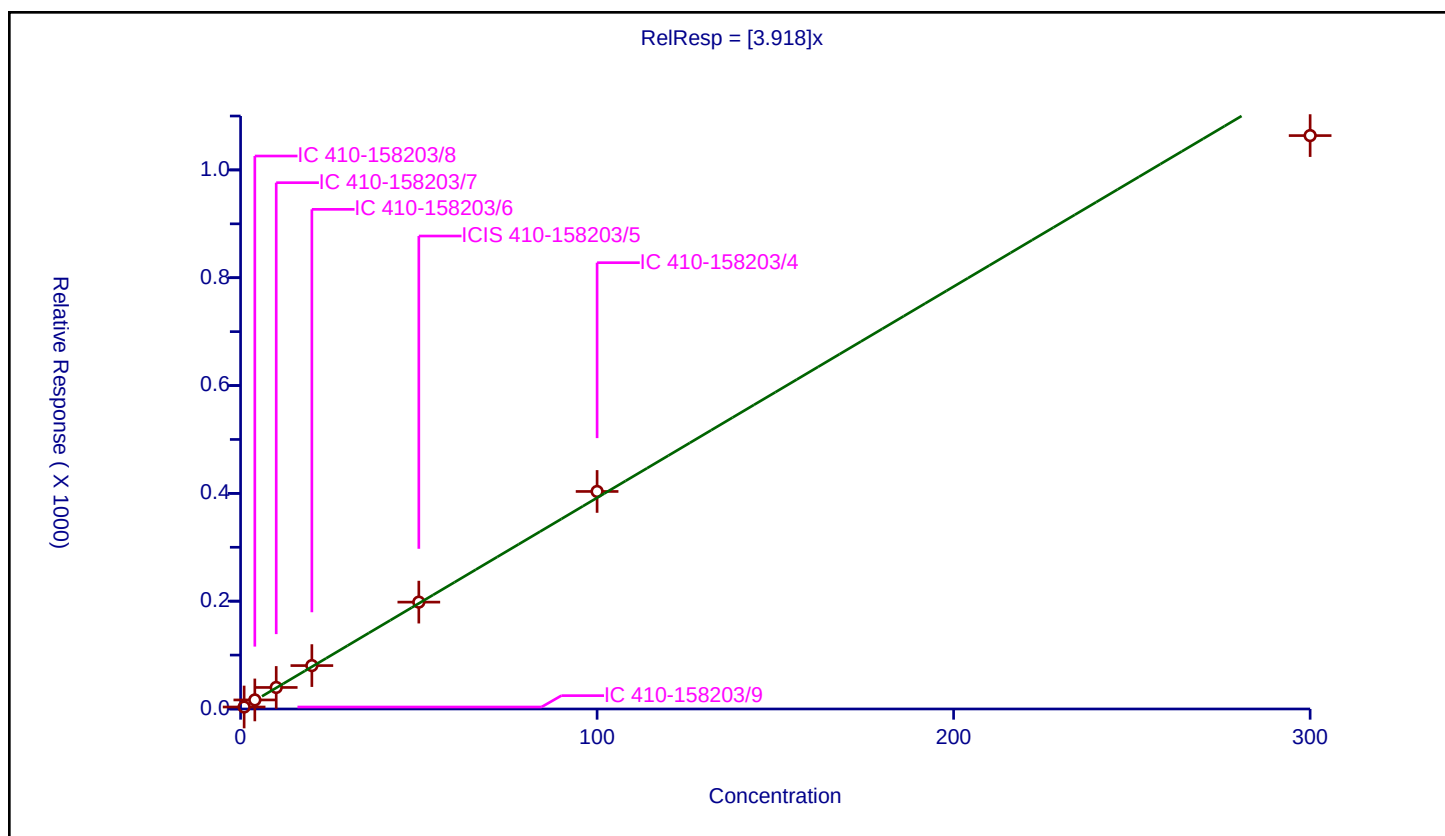
Curve Coefficients

Intercept: 0
Slope: 3.918

Error Coefficients

Standard Error: 4860000
Relative Standard Error: 5.9
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	3.660527	50.0	490708.0	3.660527	Y
2	IC 410-158203/8	4.0	16.789961	50.0	488938.0	4.19749	Y
3	IC 410-158203/7	10.0	39.963726	50.0	487950.0	3.996373	Y
4	IC 410-158203/6	20.0	80.485151	50.0	491723.0	4.024258	Y
5	ICIS 410-158203/5	50.0	198.236942	50.0	497346.0	3.964739	Y
6	IC 410-158203/4	100.0	403.552269	50.0	489870.0	4.035523	Y
7	IC 410-158203/3	300.0	1063.693332	50.0	517511.0	3.545644	Y



Calibration

/ 1,3-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

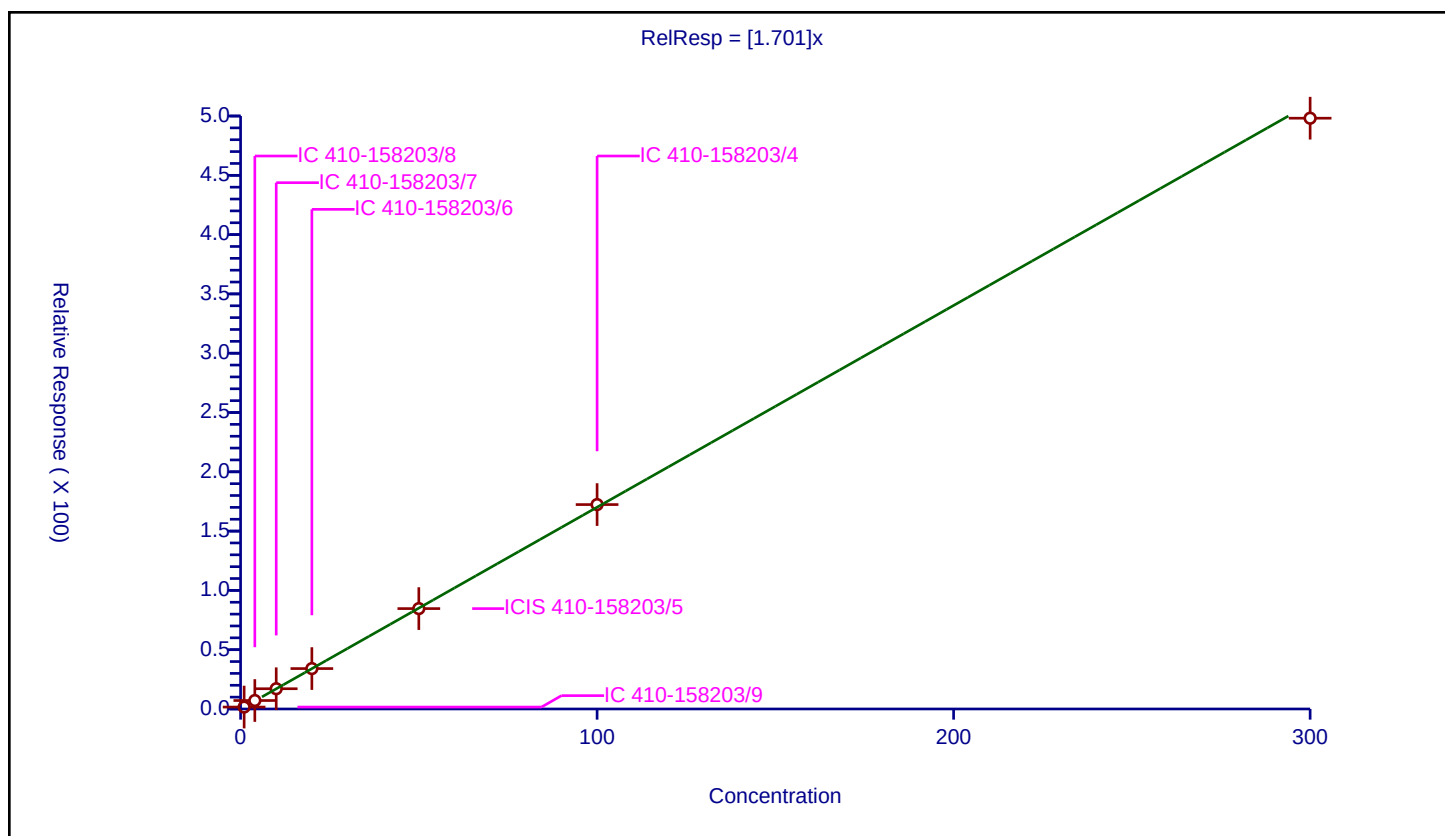
Curve Coefficients

Intercept: 0
 Slope: 1.701

Error Coefficients

Standard Error: 2250000
 Relative Standard Error: 2.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	1.634781	50.0	490708.0	1.634781	Y
2	IC 410-158203/8	4.0	7.14426	50.0	488938.0	1.786065	Y
3	IC 410-158203/7	10.0	17.068245	50.0	487950.0	1.706824	Y
4	IC 410-158203/6	20.0	34.073249	50.0	491723.0	1.703662	Y
5	ICIS 410-158203/5	50.0	84.657562	50.0	497346.0	1.693151	Y
6	IC 410-158203/4	100.0	172.352665	50.0	489870.0	1.723527	Y
7	IC 410-158203/3	300.0	498.154629	50.0	517511.0	1.660515	Y



Calibration

/ 4-Isopropyltoluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

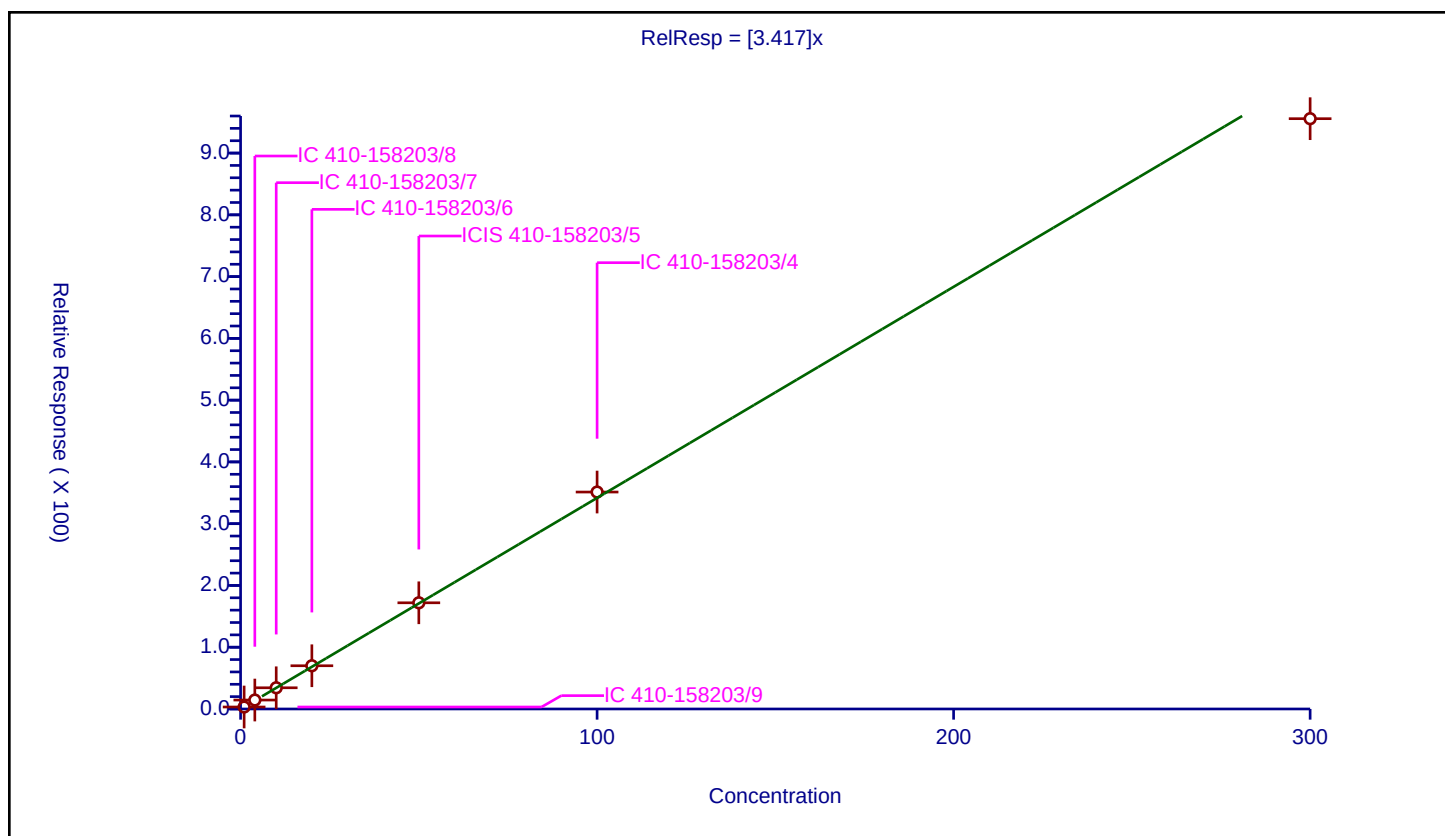
Curve Coefficients

Intercept: 0
 Slope: 3.417

Error Coefficients

Standard Error: 4340000
 Relative Standard Error: 4.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	3.233695	50.0	490708.0	3.233695	Y
2	IC 410-158203/8	4.0	14.462877	50.0	488938.0	3.615719	Y
3	IC 410-158203/7	10.0	34.339994	50.0	487950.0	3.433999	Y
4	IC 410-158203/6	20.0	69.997844	50.0	491723.0	3.499892	Y
5	ICIS 410-158203/5	50.0	171.952826	50.0	497346.0	3.439057	Y
6	IC 410-158203/4	100.0	351.216241	50.0	489870.0	3.512162	Y
7	IC 410-158203/3	300.0	955.689831	50.0	517511.0	3.185633	Y



Calibration

/ 1,4-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

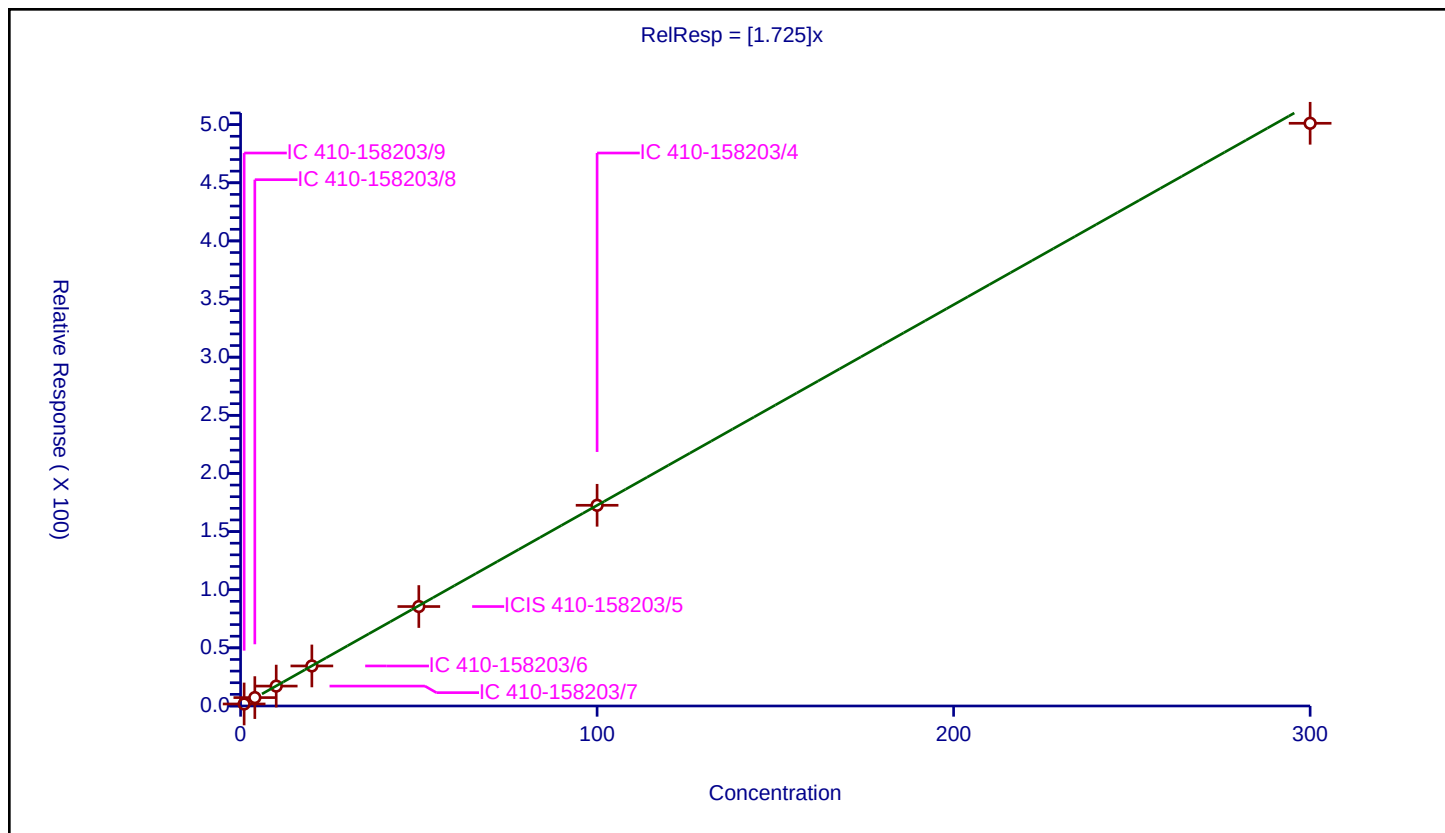
Curve Coefficients

Intercept: 0
 Slope: 1.725

Error Coefficients

Standard Error: 2260000
 Relative Standard Error: 2.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	1.733006	50.0	490708.0	1.733006	Y
2	IC 410-158203/8	4.0	7.222388	50.0	488938.0	1.805597	Y
3	IC 410-158203/7	10.0	17.109642	50.0	487950.0	1.710964	Y
4	IC 410-158203/6	20.0	34.426089	50.0	491723.0	1.721304	Y
5	ICIS 410-158203/5	50.0	85.54437	50.0	497346.0	1.710887	Y
6	IC 410-158203/4	100.0	172.619062	50.0	489870.0	1.726191	Y
7	IC 410-158203/3	300.0	501.162584	50.0	517511.0	1.670542	Y



Calibration

/ 1,2,3-Trimethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

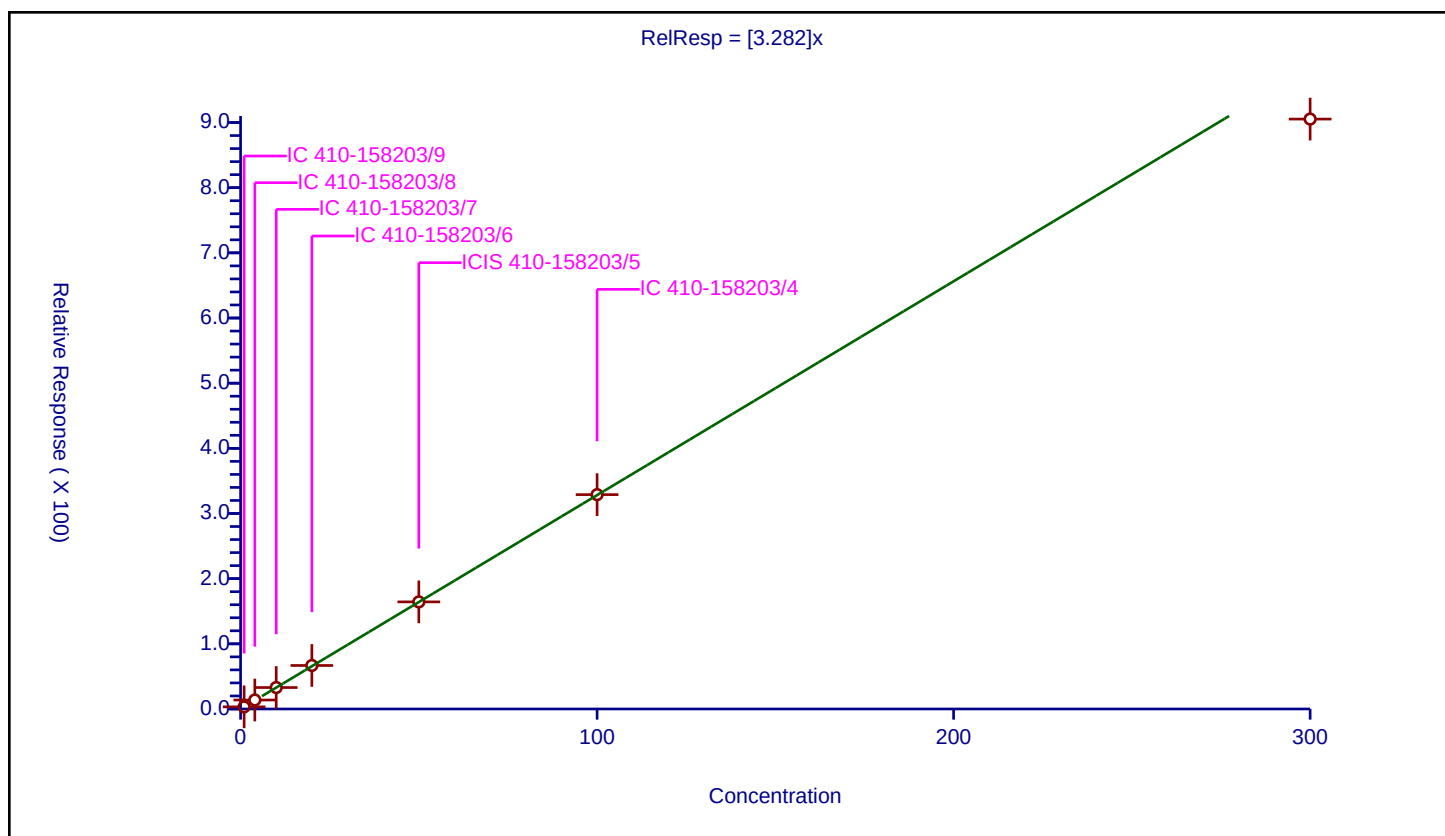
Curve Coefficients

Intercept: 0
 Slope: 3.282

Error Coefficients

Standard Error: 4110000
 Relative Standard Error: 3.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	3.304205	50.0	490708.0	3.304205	Y
2	IC 410-158203/8	4.0	13.770151	50.0	488938.0	3.442538	Y
3	IC 410-158203/7	10.0	32.934522	50.0	487950.0	3.293452	Y
4	IC 410-158203/6	20.0	66.751403	50.0	491723.0	3.33757	Y
5	ICIS 410-158203/5	50.0	164.361933	50.0	497346.0	3.287239	Y
6	IC 410-158203/4	100.0	328.964929	50.0	489870.0	3.289649	Y
7	IC 410-158203/3	300.0	905.30124	50.0	517511.0	3.017671	Y



Calibration

/ Benzyl chloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

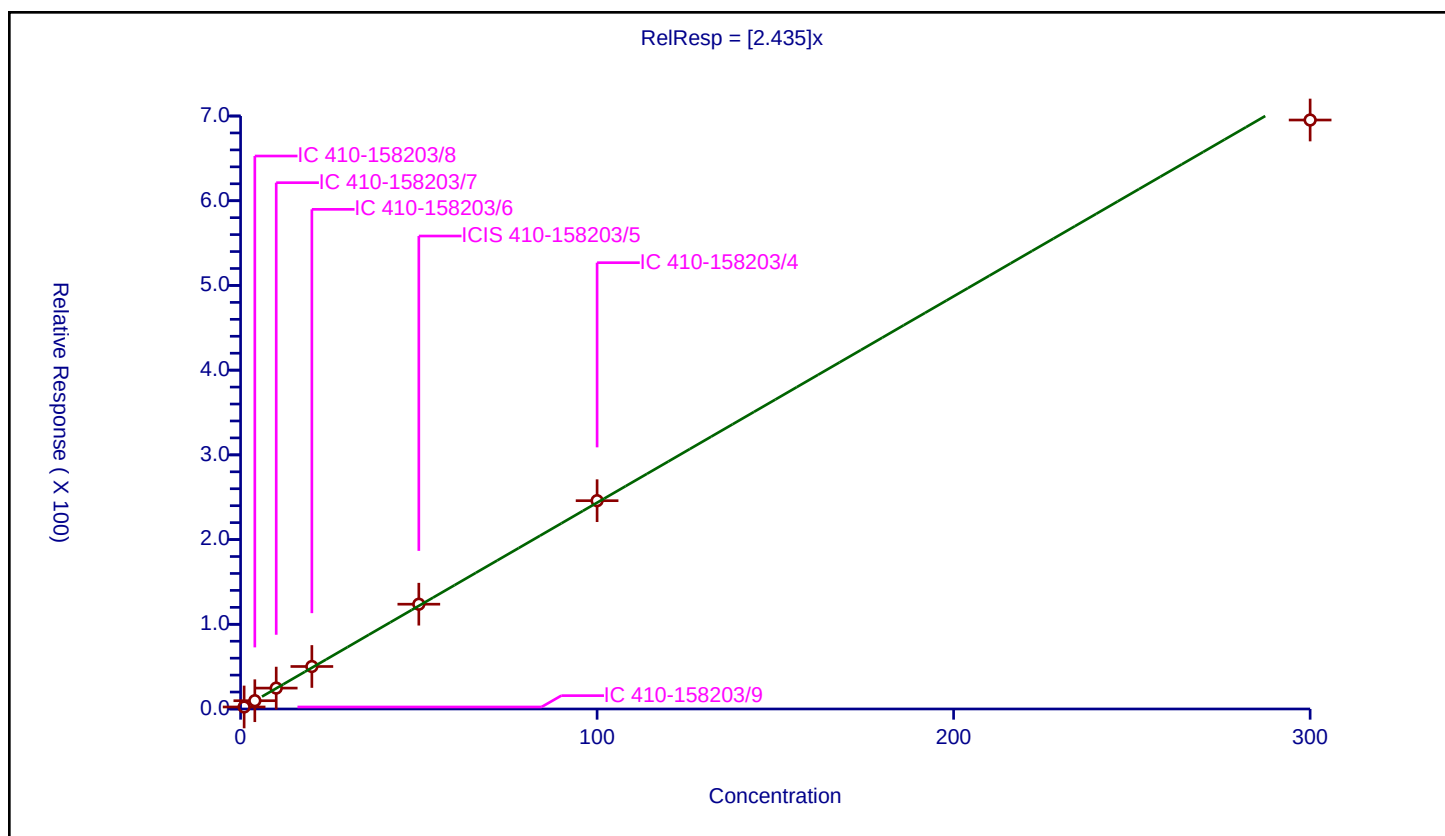
Curve Coefficients

Intercept: 0
 Slope: 2.435

Error Coefficients

Standard Error: 3150000
 Relative Standard Error: 2.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	2.376668	50.0	490708.0	2.376668	Y
2	IC 410-158203/8	4.0	9.786619	50.0	488938.0	2.446655	Y
3	IC 410-158203/7	10.0	24.659391	50.0	487950.0	2.465939	Y
4	IC 410-158203/6	20.0	50.173573	50.0	491723.0	2.508679	Y
5	ICIS 410-158203/5	50.0	123.689645	50.0	497346.0	2.473793	Y
6	IC 410-158203/4	100.0	245.898197	50.0	489870.0	2.458982	Y
7	IC 410-158203/3	300.0	695.277878	50.0	517511.0	2.317593	Y



Calibration

/ 1,3-Diethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

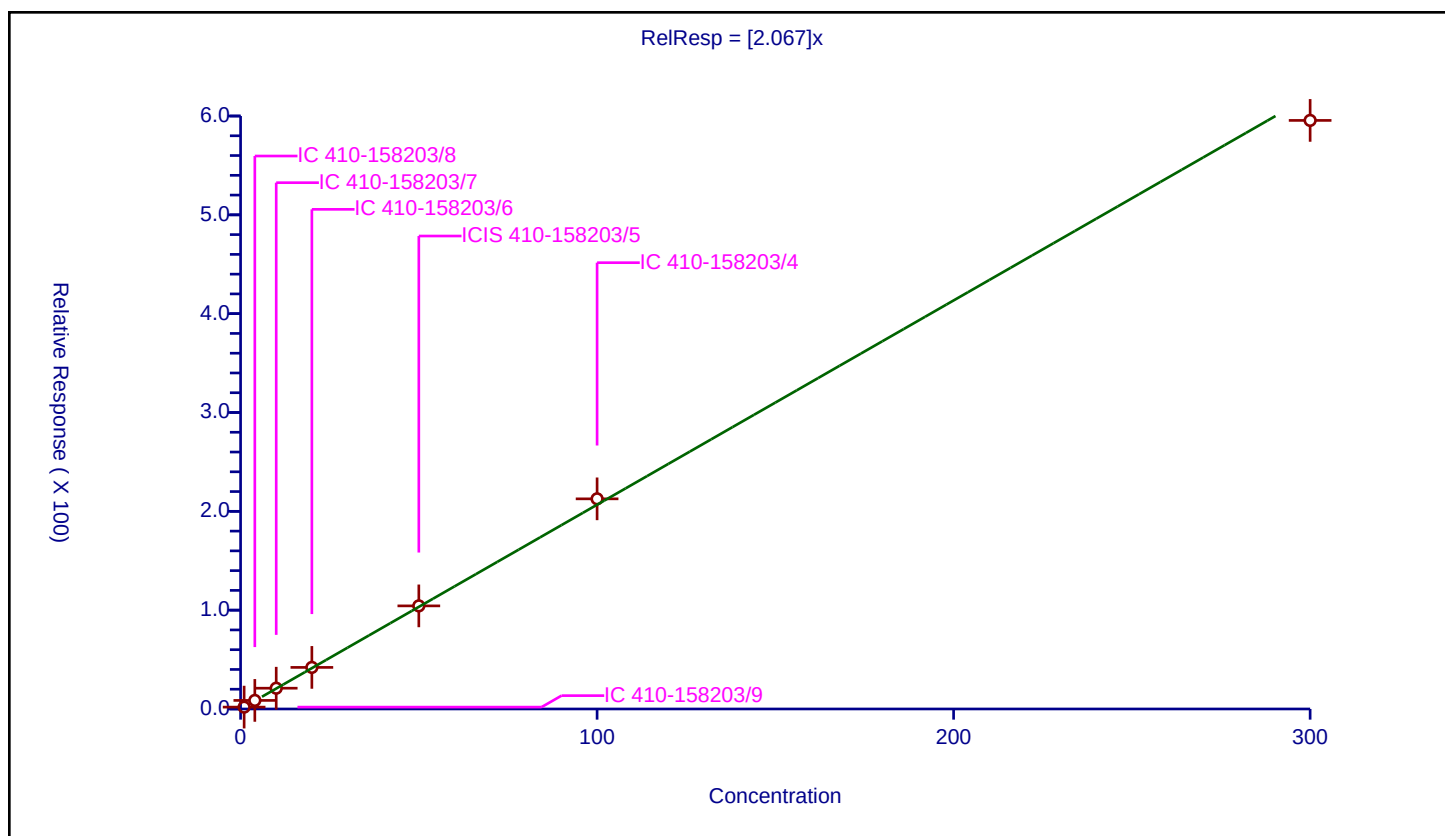
Curve Coefficients

Intercept: 0
Slope: 2.067

Error Coefficients

Standard Error: 2700000
Relative Standard Error: 4.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	1.898481	50.0	490708.0	1.898481	Y
2	IC 410-158203/8	4.0	8.662346	50.0	488938.0	2.165586	Y
3	IC 410-158203/7	10.0	21.0249	50.0	487950.0	2.10249	Y
4	IC 410-158203/6	20.0	42.069214	50.0	491723.0	2.103461	Y
5	ICIS 410-158203/5	50.0	104.337825	50.0	497346.0	2.086757	Y
6	IC 410-158203/4	100.0	212.644681	50.0	489870.0	2.126447	Y
7	IC 410-158203/3	300.0	595.549177	50.0	517511.0	1.985164	Y



Calibration

/ p-Diethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

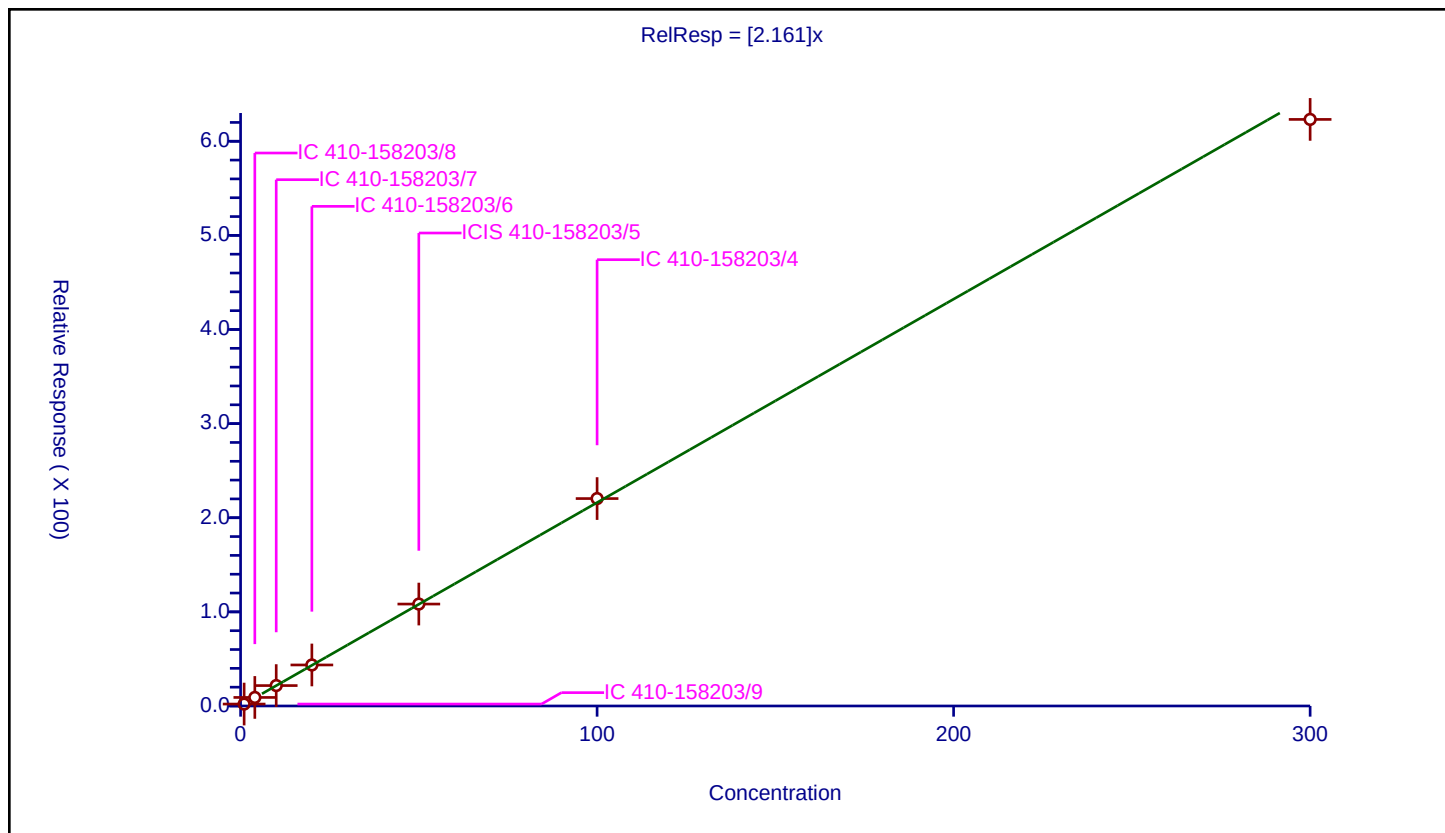
Curve Coefficients

Intercept: 0
 Slope: 2.161

Error Coefficients

Standard Error: 2820000
 Relative Standard Error: 3.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	2.065179	50.0	490708.0	2.065179	Y
2	IC 410-158203/8	4.0	9.070475	50.0	488938.0	2.267619	Y
3	IC 410-158203/7	10.0	21.691874	50.0	487950.0	2.169187	Y
4	IC 410-158203/6	20.0	43.58521	50.0	491723.0	2.17926	Y
5	ICIS 410-158203/5	50.0	108.308602	50.0	497346.0	2.166172	Y
6	IC 410-158203/4	100.0	220.391328	50.0	489870.0	2.203913	Y
7	IC 410-158203/3	300.0	623.199024	50.0	517511.0	2.07733	Y



Calibration

/ n-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

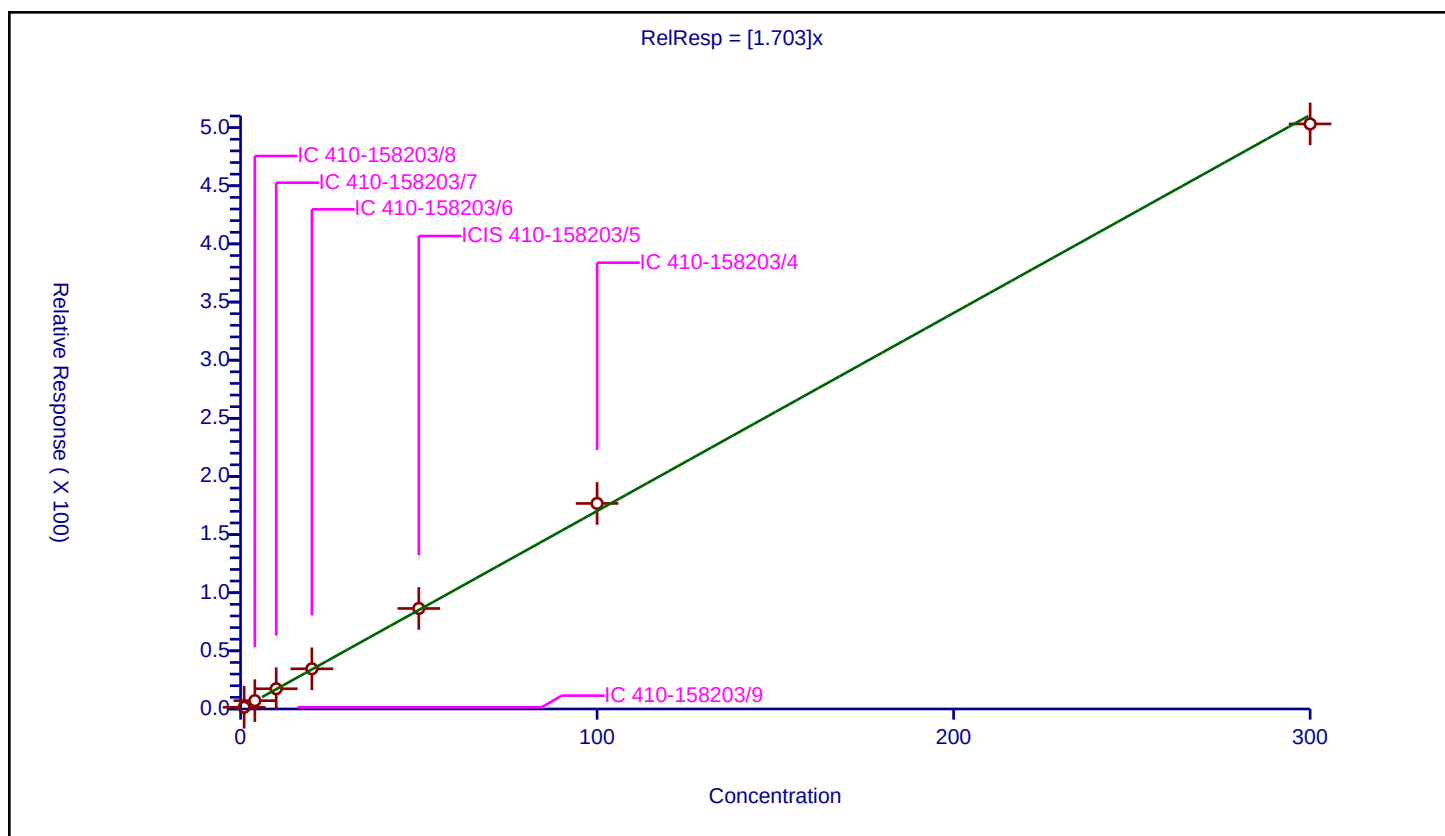
Curve Coefficients

Intercept: 0
 Slope: 1.703

Error Coefficients

Standard Error: 2270000
 Relative Standard Error: 5.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	1.487952	50.0	490708.0	1.487952	Y
2	IC 410-158203/8	4.0	7.16553	50.0	488938.0	1.791383	Y
3	IC 410-158203/7	10.0	17.386617	50.0	487950.0	1.738662	Y
4	IC 410-158203/6	20.0	34.555431	50.0	491723.0	1.727772	Y
5	ICIS 410-158203/5	50.0	86.455003	50.0	497346.0	1.7291	Y
6	IC 410-158203/4	100.0	176.807112	50.0	489870.0	1.768071	Y
7	IC 410-158203/3	300.0	503.198869	50.0	517511.0	1.67733	Y



Calibration

/ 1,2-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

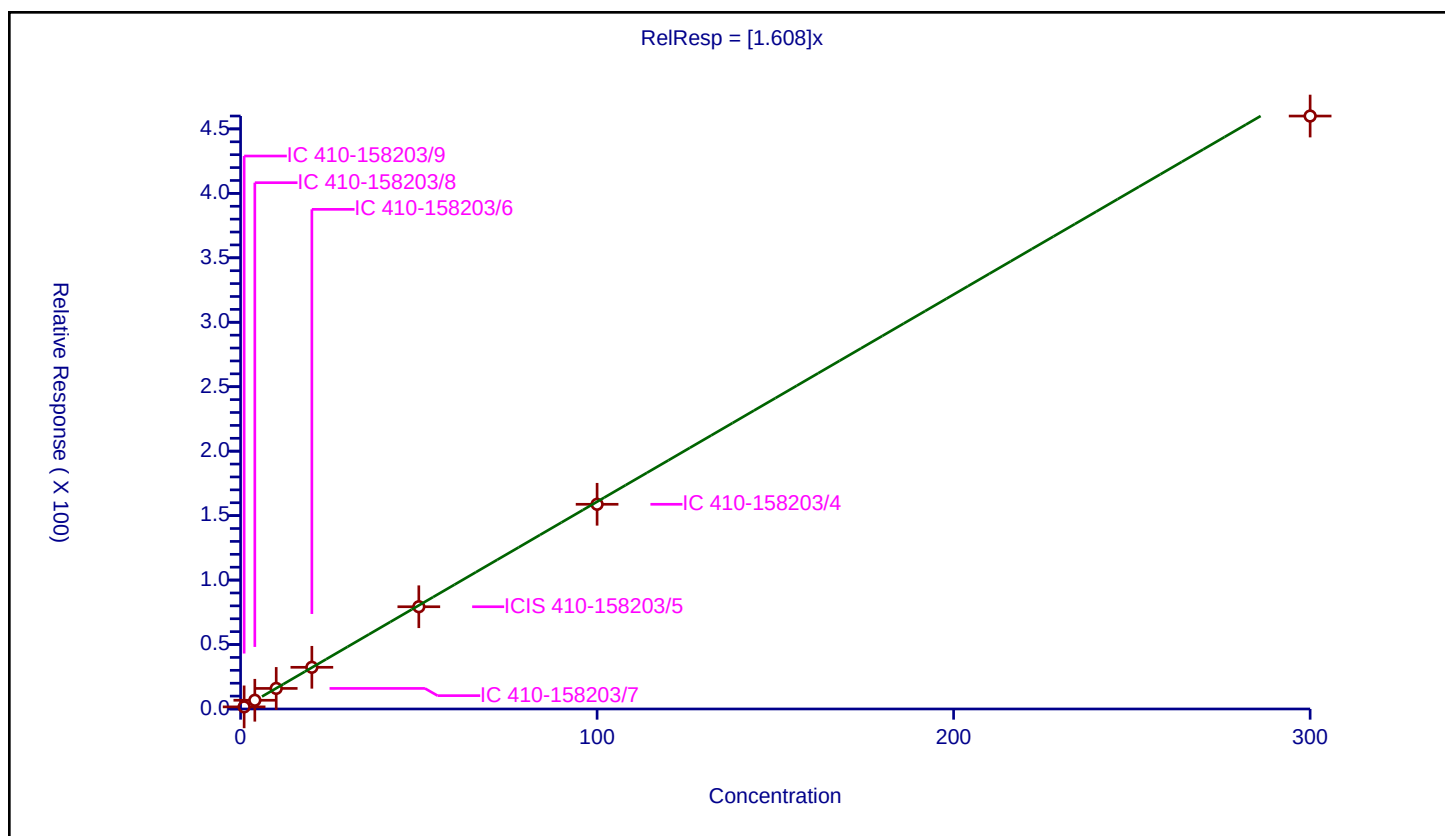
Curve Coefficients

Intercept: 0
Slope: 1.608

Error Coefficients

Standard Error: 2070000
Relative Standard Error: 3.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	1.642321	50.0	490708.0	1.642321	Y
2	IC 410-158203/8	4.0	6.764559	50.0	488938.0	1.69114	Y
3	IC 410-158203/7	10.0	15.954913	50.0	487950.0	1.595491	Y
4	IC 410-158203/6	20.0	32.341583	50.0	491723.0	1.617079	Y
5	ICIS 410-158203/5	50.0	79.331693	50.0	497346.0	1.586634	Y
6	IC 410-158203/4	100.0	158.795803	50.0	489870.0	1.587958	Y
7	IC 410-158203/3	300.0	459.971575	50.0	517511.0	1.533239	Y



Calibration

/ o-diethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

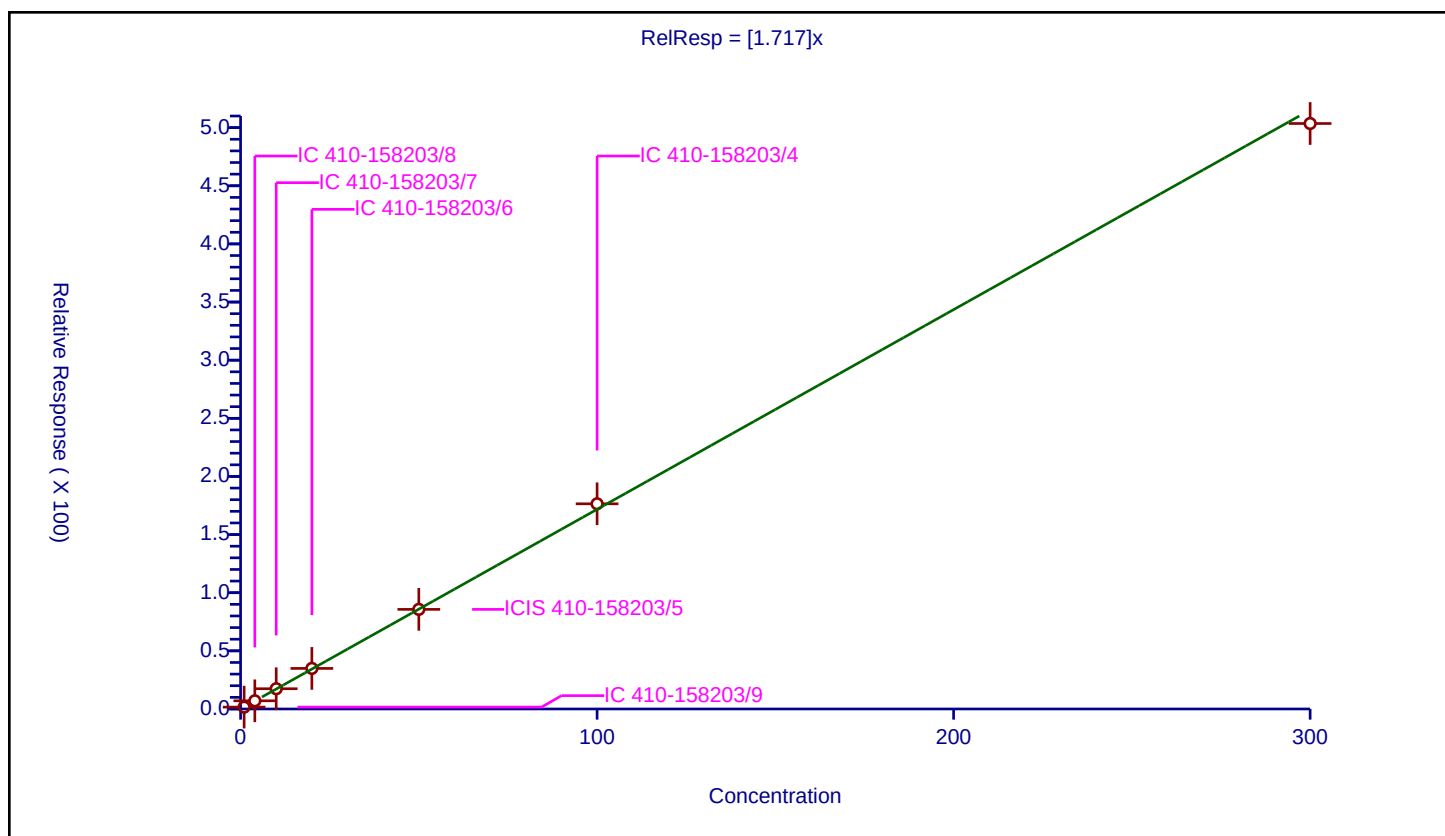
Curve Coefficients

Intercept: 0
Slope: 1.717

Error Coefficients

Standard Error: 2270000
Relative Standard Error: 3.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	1.621331	50.0	490708.0	1.621331	Y
2	IC 410-158203/8	4.0	7.031669	50.0	488938.0	1.757917	Y
3	IC 410-158203/7	10.0	17.410903	50.0	487950.0	1.74109	Y
4	IC 410-158203/6	20.0	34.890782	50.0	491723.0	1.744539	Y
5	ICIS 410-158203/5	50.0	85.680794	50.0	497346.0	1.713616	Y
6	IC 410-158203/4	100.0	176.467328	50.0	489870.0	1.764673	Y
7	IC 410-158203/3	300.0	503.544369	50.0	517511.0	1.678481	Y



Calibration

/ 1,2-Dibromo-3-Chloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

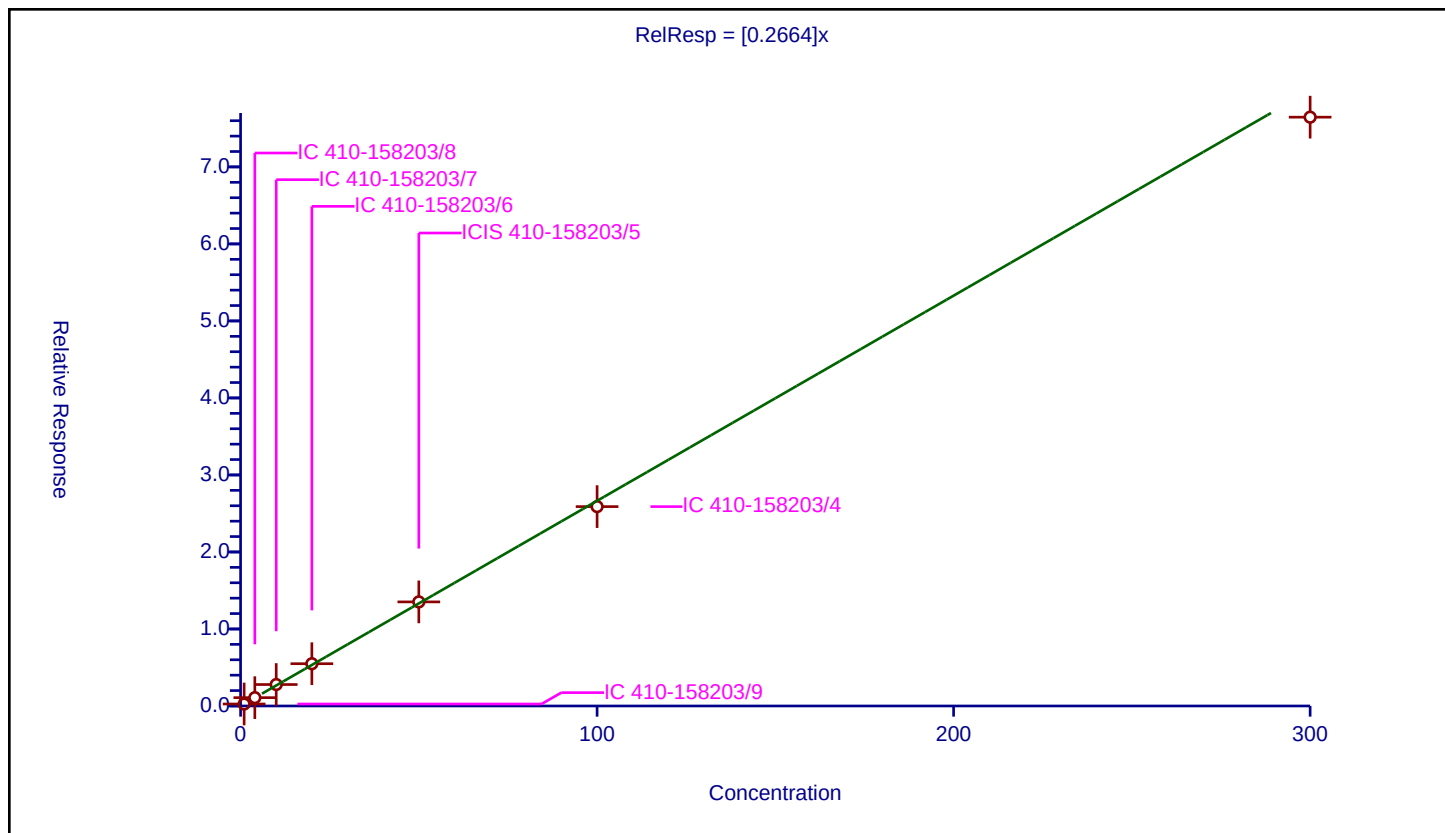
Curve Coefficients

Intercept: 0
Slope: 0.2664

Error Coefficients

Standard Error: 345000
Relative Standard Error: 3.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.257383	50.0	490708.0	0.257383	Y
2	IC 410-158203/8	4.0	1.081323	50.0	488938.0	0.270331	Y
3	IC 410-158203/7	10.0	2.785941	50.0	487950.0	0.278594	Y
4	IC 410-158203/6	20.0	5.489574	50.0	491723.0	0.274479	Y
5	ICIS 410-158203/5	50.0	13.517149	50.0	497346.0	0.270343	Y
6	IC 410-158203/4	100.0	25.890236	50.0	489870.0	0.258902	Y
7	IC 410-158203/3	300.0	76.4605	50.0	517511.0	0.254868	Y



Calibration

/ 1,3,5-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

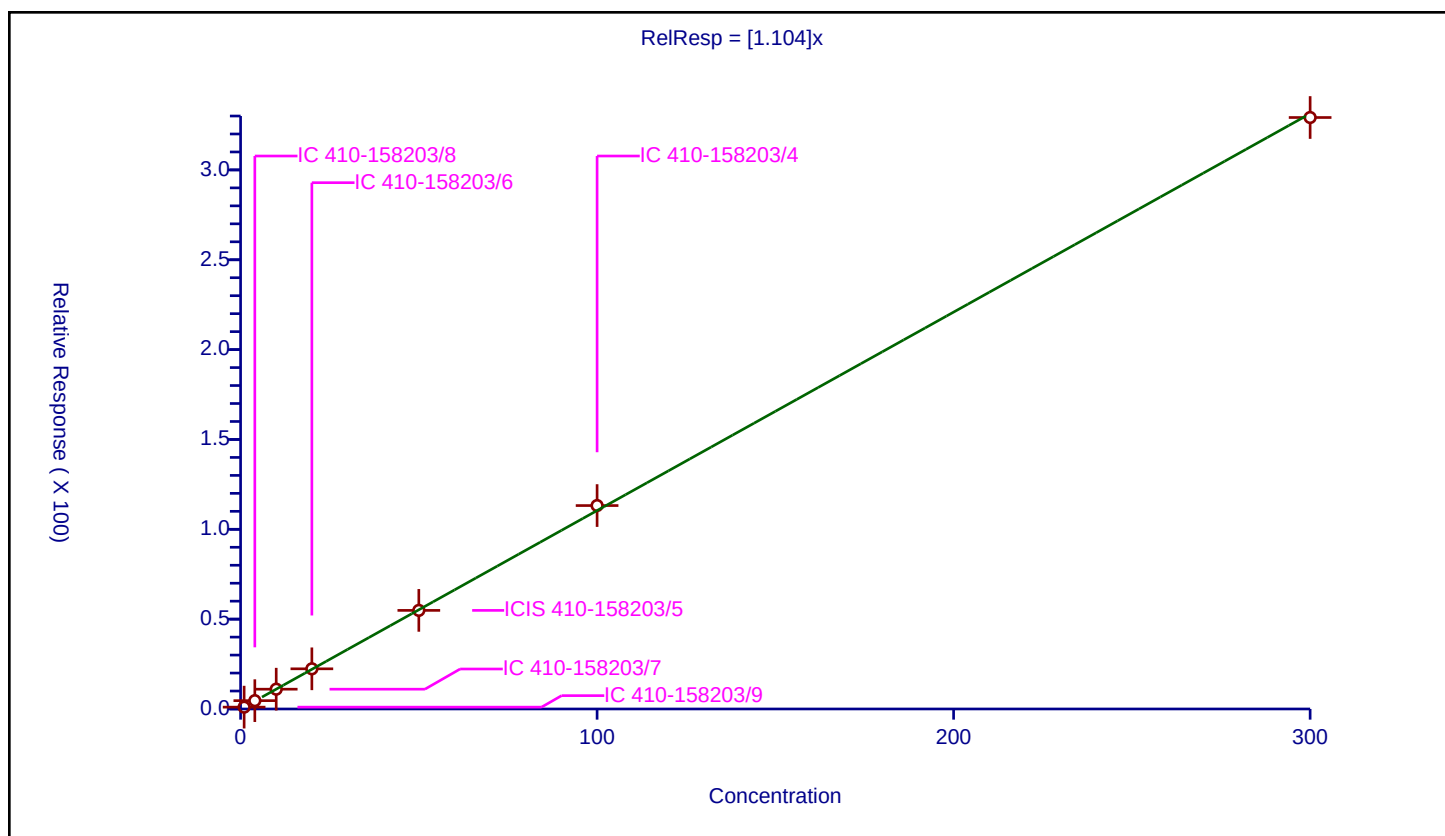
Curve Coefficients

Intercept: 0
 Slope: 1.104

Error Coefficients

Standard Error: 1480000
 Relative Standard Error: 3.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	1.025661	50.0	490708.0	1.025661	Y
2	IC 410-158203/8	4.0	4.630751	50.0	488938.0	1.157688	Y
3	IC 410-158203/7	10.0	11.024593	50.0	487950.0	1.102459	Y
4	IC 410-158203/6	20.0	22.359133	50.0	491723.0	1.117957	Y
5	ICIS 410-158203/5	50.0	54.867838	50.0	497346.0	1.097357	Y
6	IC 410-158203/4	100.0	113.212893	50.0	489870.0	1.132129	Y
7	IC 410-158203/3	300.0	329.167979	50.0	517511.0	1.097227	Y



Calibration

/ 1,2,4-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

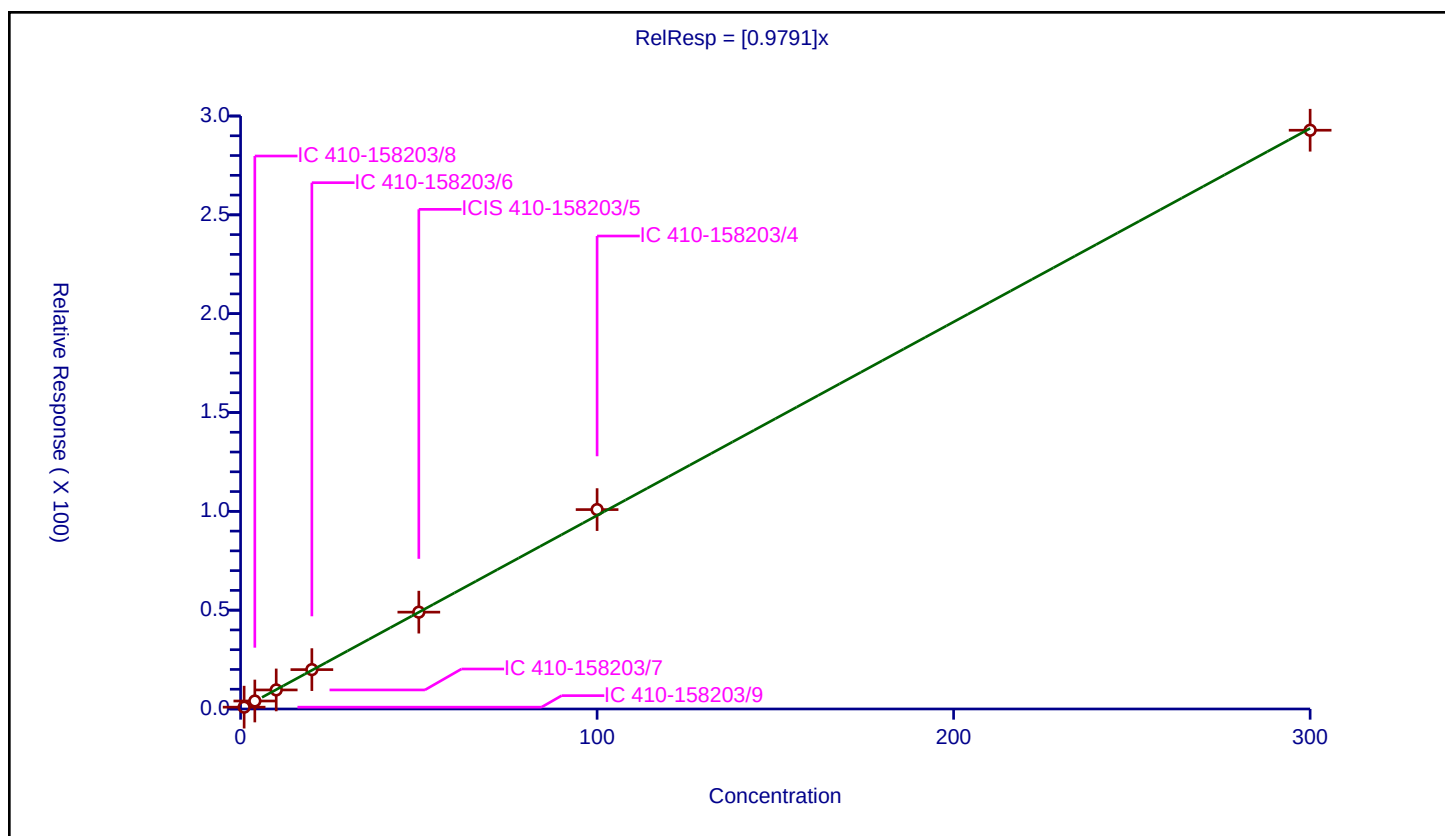
Curve Coefficients

Intercept: 0
 Slope: 0.9791

Error Coefficients

Standard Error: 1320000
 Relative Standard Error: 3.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.920405	50.0	490708.0	0.920405	Y
2	IC 410-158203/8	4.0	4.033947	50.0	488938.0	1.008487	Y
3	IC 410-158203/7	10.0	9.644021	50.0	487950.0	0.964402	Y
4	IC 410-158203/6	20.0	19.915786	50.0	491723.0	0.995789	Y
5	ICIS 410-158203/5	50.0	48.991044	50.0	497346.0	0.979821	Y
6	IC 410-158203/4	100.0	100.884827	50.0	489870.0	1.008848	Y
7	IC 410-158203/3	300.0	292.811167	50.0	517511.0	0.976037	Y



Calibration

/ Hexachlorobutadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

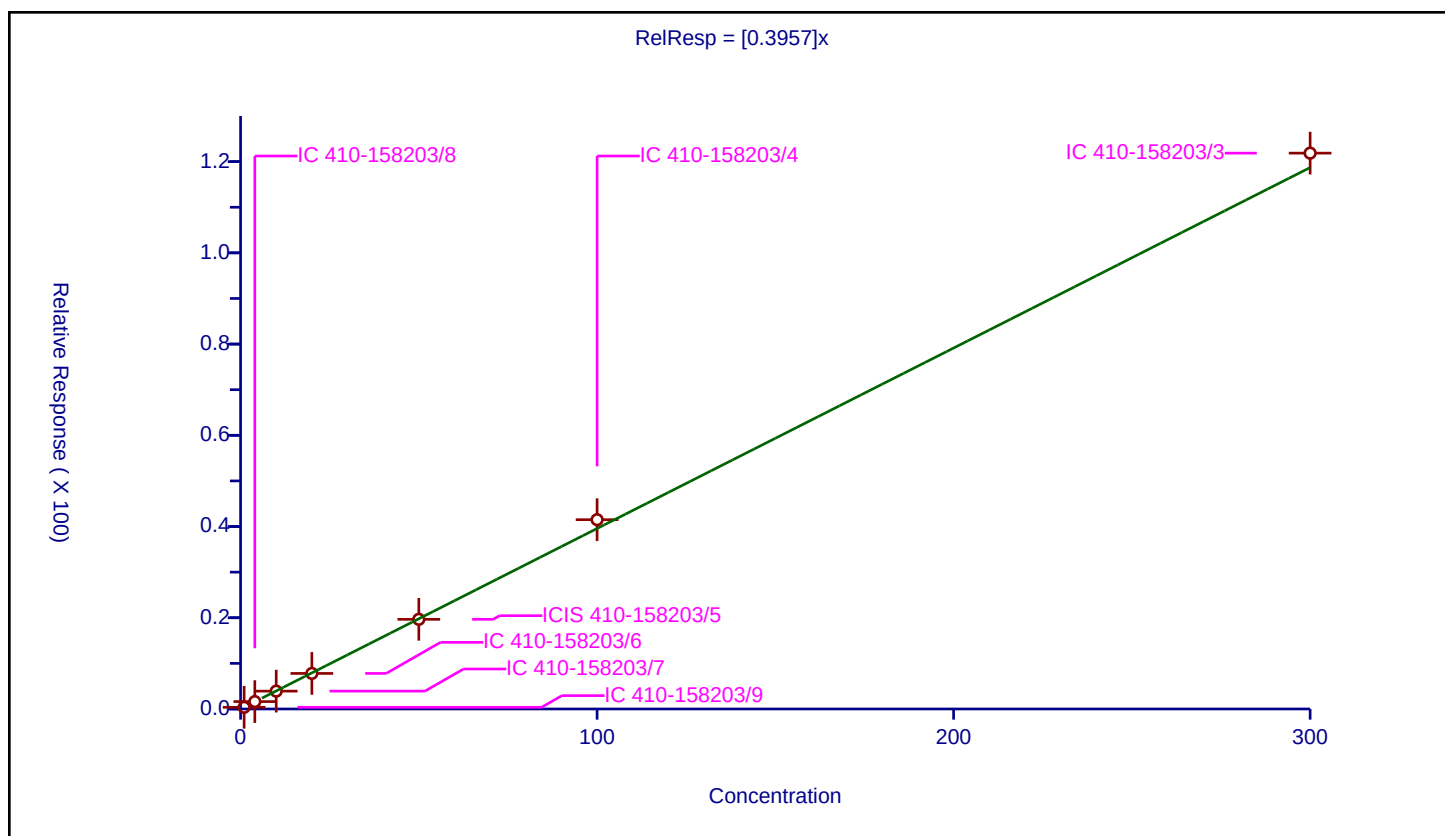
Curve Coefficients

Intercept: 0
Slope: 0.3957

Error Coefficients

Standard Error: 548000
Relative Standard Error: 3.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.368345	50.0	490708.0	0.368345	Y
2	IC 410-158203/8	4.0	1.623416	50.0	488938.0	0.405854	Y
3	IC 410-158203/7	10.0	3.913208	50.0	487950.0	0.391321	Y
4	IC 410-158203/6	20.0	7.796158	50.0	491723.0	0.389808	Y
5	ICIS 410-158203/5	50.0	19.656034	50.0	497346.0	0.393121	Y
6	IC 410-158203/4	100.0	41.501113	50.0	489870.0	0.415011	Y
7	IC 410-158203/3	300.0	121.860695	50.0	517511.0	0.406202	Y



Calibration

/ Naphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

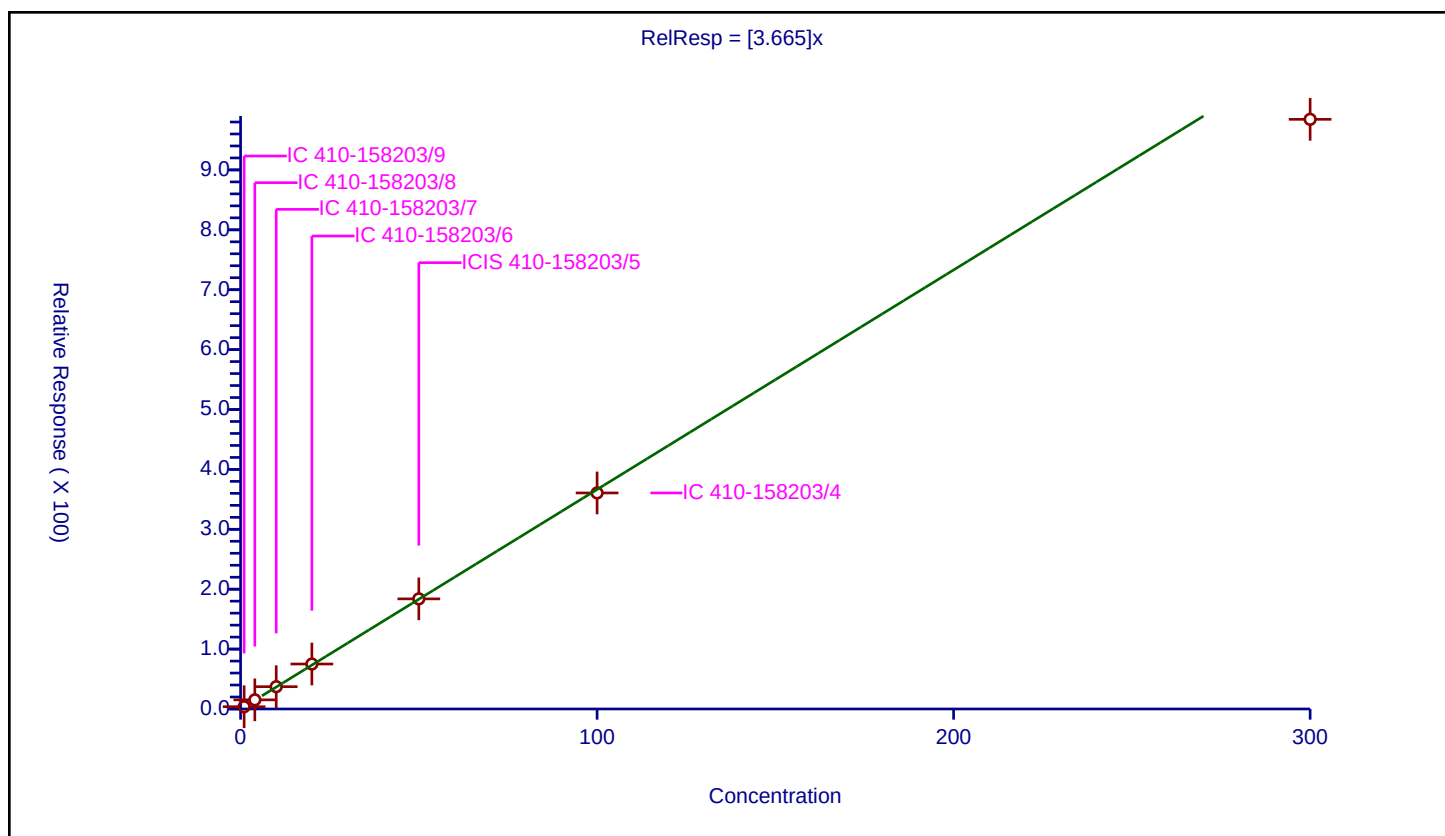
Curve Coefficients

Intercept: 0
Slope: 3.665

Error Coefficients

Standard Error: 4480000
Relative Standard Error: 5.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	3.798899	50.0	490708.0	3.798899	Y
2	IC 410-158203/8	4.0	15.257967	50.0	488938.0	3.814492	Y
3	IC 410-158203/7	10.0	37.226868	50.0	487950.0	3.722687	Y
4	IC 410-158203/6	20.0	75.06645	50.0	491723.0	3.753323	Y
5	ICIS 410-158203/5	50.0	183.862241	50.0	497346.0	3.677245	Y
6	IC 410-158203/4	100.0	360.678343	50.0	489870.0	3.606783	Y
7	IC 410-158203/3	300.0	984.490764	50.0	517511.0	3.281636	Y



Calibration

/ 1,2,3-Trichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

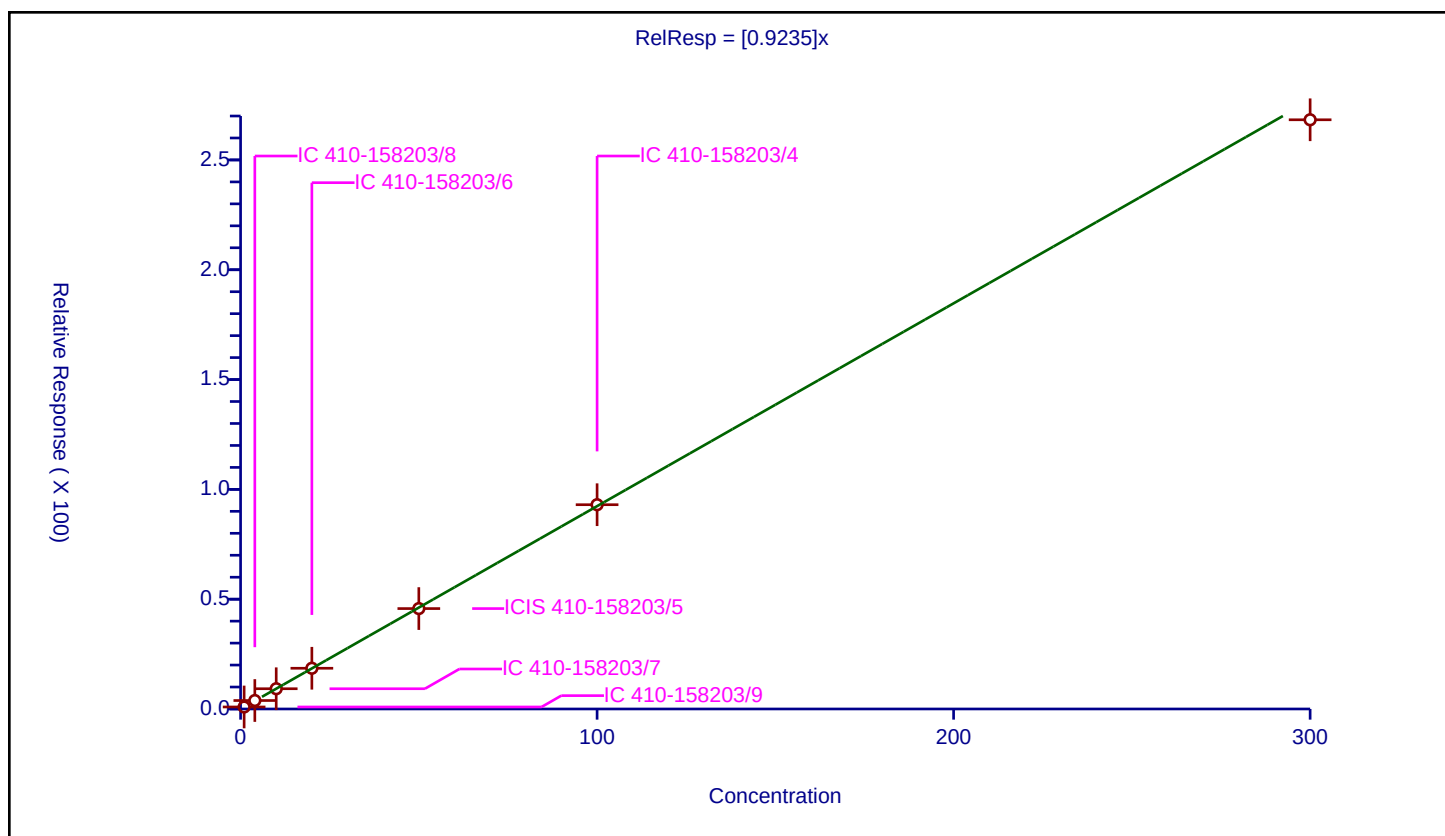
Curve Coefficients

Intercept: 0
Slope: 0.9235

Error Coefficients

Standard Error: 1210000
Relative Standard Error: 2.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	0.91154	50.0	490708.0	0.91154	Y
2	IC 410-158203/8	4.0	3.857238	50.0	488938.0	0.964309	Y
3	IC 410-158203/7	10.0	9.223384	50.0	487950.0	0.922338	Y
4	IC 410-158203/6	20.0	18.552315	50.0	491723.0	0.927616	Y
5	ICIS 410-158203/5	50.0	45.719479	50.0	497346.0	0.91439	Y
6	IC 410-158203/4	100.0	93.016106	50.0	489870.0	0.930161	Y
7	IC 410-158203/3	300.0	268.287824	50.0	517511.0	0.894293	Y



Calibration

/ 2-Methylnaphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

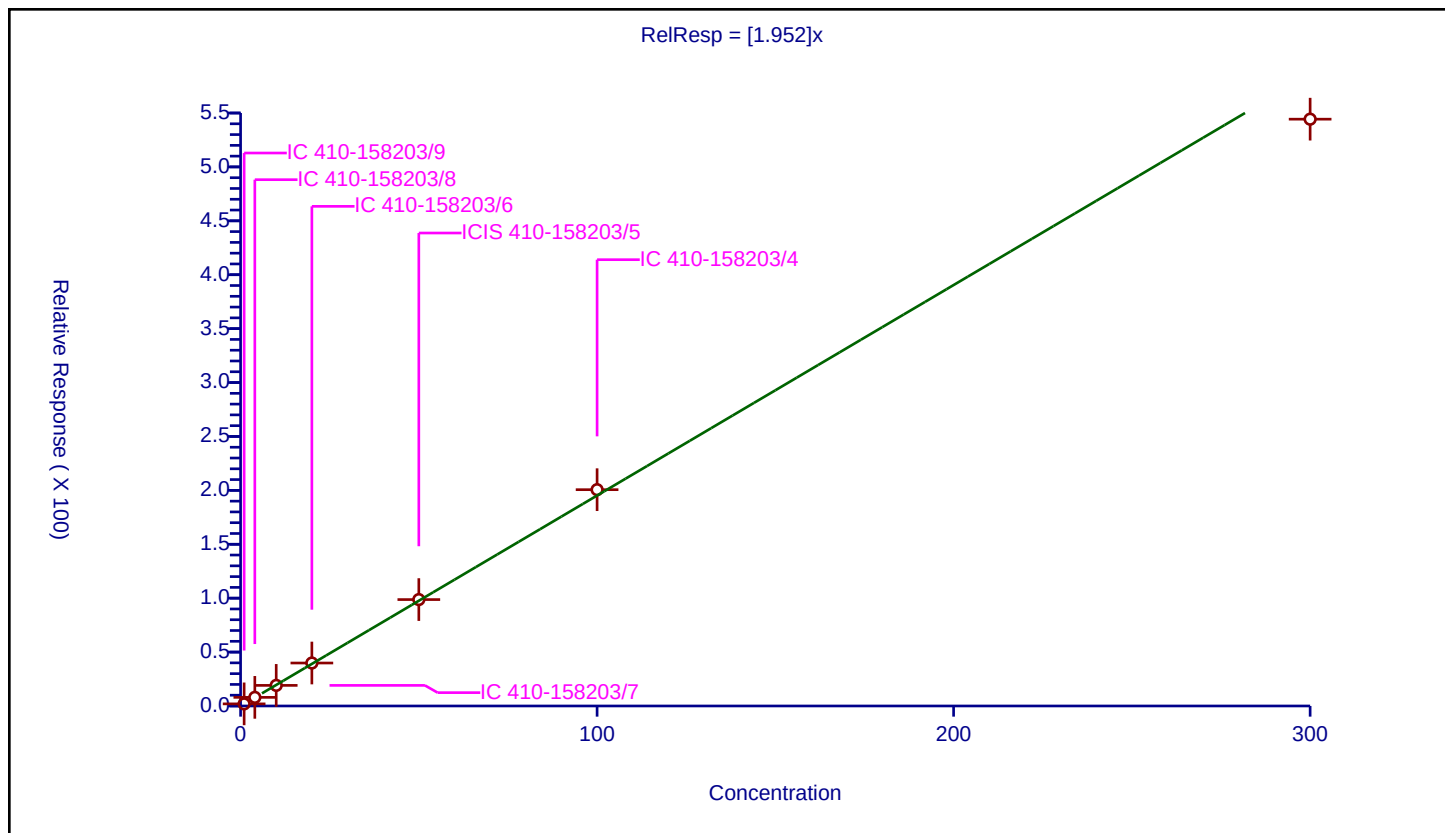
Curve Coefficients

Intercept: 0
Slope: 1.952

Error Coefficients

Standard Error: 2470000
Relative Standard Error: 3.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-158203/9	1.0	1.968075	50.0	490708.0	1.968075	Y
2	IC 410-158203/8	4.0	8.000299	50.0	488938.0	2.000075	Y
3	IC 410-158203/7	10.0	19.098166	50.0	487950.0	1.909817	Y
4	IC 410-158203/6	20.0	39.849875	50.0	491723.0	1.992494	Y
5	ICIS 410-158203/5	50.0	98.706936	50.0	497346.0	1.974139	Y
6	IC 410-158203/4	100.0	200.633944	50.0	489870.0	2.006339	Y
7	IC 410-158203/3	300.0	544.290073	50.0	517511.0	1.8143	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1

SDG No.: _____

Lab Sample ID: ICV 410-158203/11 Calibration Date: 08/10/2021 15:35

Instrument ID: 7159 Calib Start Date: 08/10/2021 12:30

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 08/10/2021 14:49

Lab File ID: NG10X11.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3548	0.4085	0.1000	23.0	20.0	15.1	30.0
Chloromethane	Ave	0.3861	0.4109	0.1000	21.3	20.0	6.4	30.0
1,3-Butadiene	Ave	0.3748	0.3838		20.5	20.0	2.4	30.0
Vinyl chloride	Ave	0.4017	0.4460	0.1000	22.2	20.0	11.0	30.0
Bromomethane	Ave	0.2819	0.3030	0.1000	21.5	20.0	7.5	30.0
Chloroethane	Ave	0.2353	0.2516	0.1000	21.4	20.0	6.9	30.0
Dichlorofluoromethane	Ave	0.5340	0.5777		21.6	20.0	8.2	30.0
Trichlorofluoromethane	Ave	0.4997	0.5273	0.1000	21.1	20.0	5.5	30.0
n-Pentane	Ave	0.5747	0.4724		16.4	20.0	-17.8	30.0
Ethanol	Ave	0.0665	0.0690		1040	1000	3.7	30.0
Freon 123a	Ave	0.3580	0.3712		20.7	20.0	3.7	30.0
Acrolein	Ave	1.856	2.000		162	150	7.7	30.0
1,1-Dichloroethene	Ave	0.2818	0.2672	0.1000	19.0	20.0	-5.2	30.0
Acetone	Ave	0.7740	0.7852	0.1000	254	250	1.5	30.0
Freon 113	Ave	0.2944	0.2797	0.1000	19.0	20.0	-5.0	30.0
2-Propanol	Ave	0.5370	0.5413		151	150	0.8	30.0
Methyl iodide	Ave	0.5044	0.4549		18.0	20.0	-9.8	30.0
Carbon disulfide	Ave	0.9581	0.8325	0.1000	17.4	20.0	-13.1	30.0
Methyl acetate	Ave	0.3085	0.2895	0.1000	18.8	20.0	-6.2	30.0
Allyl chloride	Ave	0.4840	0.4462		18.4	20.0	-7.8	30.0
Methylene Chloride	Ave	0.3130	0.2999	0.1000	19.2	20.0	-4.2	30.0
t-Butyl alcohol	Ave	1.055	1.026		195	200	-2.7	30.0
Acrylonitrile	Ave	0.1580	0.1516		96.0	100	-4.0	30.0
Methyl tertiary butyl ether	Ave	0.9209	0.8837	0.1000	19.2	20.0	-4.0	30.0
trans-1,2-Dichloroethene	Ave	0.3115	0.2979	0.1000	19.1	20.0	-4.3	30.0
n-Hexane	Ave	0.5064	0.4350		17.2	20.0	-14.1	30.0
1,1-Dichloroethane	Ave	0.5294	0.5021	0.2000	19.0	20.0	-5.2	30.0
di-Isopropyl ether	Ave	0.9487	0.9119		19.2	20.0	-3.9	30.0
2-Chloro-1,3-butadiene	Ave	0.4691	0.4539		19.4	20.0	-3.2	30.0
Ethyl t-butyl ether	Ave	0.9214	0.9073		19.7	20.0	-1.5	30.0
2-Butanone	Ave	0.2301	0.2036	0.1000	221	250	-11.5	30.0
cis-1,2-Dichloroethene	Ave	0.3457	0.3410	0.1000	19.7	20.0	-1.4	30.0
2,2-Dichloropropane	Ave	0.4733	0.4727		20.0	20.0	-0.1	30.0
Propionitrile	Ave	1.278	1.338		157	150	4.7	30.0
Methacrylonitrile	Ave	0.1811	0.1759		146	150	-2.9	30.0
Bromochloromethane	Ave	0.1602	0.1614		20.1	20.0	0.7	30.0
Tetrahydrofuran	Ave	1.291	1.319		102	100	2.2	30.0
Chloroform	Ave	0.5294	0.5100	0.2000	19.3	20.0	-3.7	30.0
1,1,1-Trichloroethane	Ave	0.4874	0.4743	0.1000	19.5	20.0	-2.7	30.0
Cyclohexane	Ave	0.5955	0.5514	0.1000	18.5	20.0	-7.4	30.0
1,1-Dichloropropene	Ave	0.4303	0.4280		19.9	20.0	-0.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1

SDG No.: _____

Lab Sample ID: ICV 410-158203/11 Calibration Date: 08/10/2021 15:35

Instrument ID: 7159 Calib Start Date: 08/10/2021 12:30

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 08/10/2021 14:49

Lab File ID: NG10X11.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.4101	0.4009	0.1000	19.5	20.0	-2.3	30.0
Isobutyl alcohol	Ave	0.3537	0.3359		475	500	-5.0	30.0
Benzene	Ave	1.293	1.268	0.5000	19.6	20.0	-1.9	30.0
1,2-Dichloroethane	Ave	0.3917	0.3705	0.1000	18.9	20.0	-5.4	30.0
t-Amyl methyl ether	Ave	0.9160	0.8913		19.5	20.0	-2.7	30.0
n-Heptane	Ave	0.4728	0.4307		18.2	20.0	-8.9	30.0
n-Butanol	Ave	0.2995	0.2832		945	1000	-5.5	30.0
Trichloroethene	Ave	0.3327	0.3287	0.2000	19.8	20.0	-1.2	30.0
Methylcyclohexane	Ave	0.6401	0.6039	0.1000	18.9	20.0	-5.6	30.0
1,2-Dichloropropane	Ave	0.3217	0.3166	0.1000	19.7	20.0	-1.6	30.0
t-Amyl ethyl ether	Ave	0.5041	0.4949		19.6	20.0	-1.8	30.0
Methyl methacrylate	Ave	0.3033	0.2872		18.9	20.0	-5.3	30.0
1,4-Dioxane	Ave	0.0613	0.0572	0.0050	467	500	-6.6	30.0
Dibromomethane	Ave	0.1945	0.1944		20.0	20.0	-0.1	30.0
Bromodichloromethane	Ave	0.4008	0.3967	0.2000	19.8	20.0	-1.0	30.0
2-Nitropropane	Ave	2.325	2.462		21.2	20.0	5.9	30.0
2-Chloroethyl vinyl ether	Ave	0.2453	0.2354		19.2	20.0	-4.0	30.0
cis-1,3-Dichloropropene	Ave	0.5300	0.5105	0.2000	19.3	20.0	-3.7	30.0
4-Methyl-2-pentanone	Ave	0.4541	0.4334	0.1000	239	250	-4.5	30.0
Toluene	Ave	1.035	1.029	0.4000	19.9	20.0	-0.6	30.0
trans-1,3-Dichloropropene	Ave	0.5899	0.5853	0.1000	19.8	20.0	-0.8	30.0
Ethyl methacrylate	Ave	0.6174	0.6114		19.8	20.0	-1.0	30.0
1,1,2-Trichloroethane	Ave	0.3568	0.3556	0.1000	19.9	20.0	-0.3	30.0
Tetrachloroethene	Ave	0.4197	0.4197	0.2000	20.0	20.0	0.0	30.0
1,3-Dichloropropane	Ave	0.5965	0.5907		19.8	20.0	-1.0	30.0
2-Hexanone	Ave	0.4196	0.4060	0.1000	242	250	-3.2	30.0
Dibromochloromethane	Ave	0.3913	0.3813		19.5	20.0	-2.6	30.0
1,2-Dibromoethane	Ave	0.3867	0.3752	0.1000	19.4	20.0	-3.0	30.0
1-Chlorohexane	Ave	0.6412	0.5997		18.7	20.0	-6.5	30.0
Chlorobenzene	Ave	1.127	1.113	0.5000	19.7	20.0	-1.3	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3892	0.3884		20.0	20.0	-0.2	30.0
Ethylbenzene	Ave	2.016	2.024	0.1000	20.1	20.0	0.4	30.0
m&p-Xylene	Ave	0.8011	0.7912	0.1000	39.5	40.0	-1.2	30.0
o-Xylene	Ave	0.7804	0.7723	0.3000	19.8	20.0	-1.0	30.0
Styrene	Ave	1.309	1.302	0.3000	19.9	20.0	-0.5	30.0
Bromoform	Ave	0.2796	0.2722	0.1000	19.5	20.0	-2.6	30.0
Isopropylbenzene	Ave	2.034	2.098	0.1000	20.6	20.0	3.1	30.0
Cyclohexanone	Ave	0.2556	0.2631		515	500	3.0	30.0
1,1,2,2-Tetrachloroethane	Ave	1.060	1.067	0.3000	20.1	20.0	0.6	30.0
Bromobenzene	Ave	0.8629	0.8783		20.4	20.0	1.8	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3500	0.3392		96.9	100	-3.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
 SDG No.: _____
 Lab Sample ID: ICV 410-158203/11 Calibration Date: 08/10/2021 15:35
 Instrument ID: 7159 Calib Start Date: 08/10/2021 12:30
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 08/10/2021 14:49
 Lab File ID: NG10X11.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.3324	0.3263		19.6	20.0	-1.8	30.0
N-Propylbenzene	Ave	4.456	4.511		20.2	20.0	1.2	30.0
2-Chlorotoluene	Ave	0.8999	0.8790		19.5	20.0	-2.3	30.0
1,3,5-Trimethylbenzene	Ave	3.185	3.199		20.1	20.0	0.4	30.0
4-Chlorotoluene	Ave	0.9114	0.9110		20.0	20.0	-0.0	30.0
tert-Butylbenzene	Ave	0.6595	0.6473		19.6	20.0	-1.8	30.0
1,2,4-Trimethylbenzene	Ave	3.244	3.254		20.1	20.0	0.3	30.0
sec-Butylbenzene	Ave	3.918	4.090		20.9	20.0	4.4	30.0
1,3-Dichlorobenzene	Ave	1.701	1.678	0.6000	19.7	20.0	-1.3	30.0
p-Isopropyltoluene	Ave	3.417	3.454		20.2	20.0	1.1	30.0
1,4-Dichlorobenzene	Ave	1.725	1.715	0.5000	19.9	20.0	-0.6	30.0
1,2,3-Trimethylbenzene	Ave	3.282	3.224		19.6	20.0	-1.8	30.0
Benzyl chloride	Ave	2.435	2.316		19.0	20.0	-4.9	30.0
1,3-Diethylbenzene	Ave	2.067	2.006		19.4	20.0	-3.0	30.0
1,4-Diethylbenzene	Ave	2.161	2.133		19.7	20.0	-1.3	30.0
n-Butylbenzene	Ave	1.703	1.701		20.0	20.0	-0.0	30.0
1,2-Dichlorobenzene	Ave	1.608	1.577	0.4000	19.6	20.0	-1.9	30.0
1,2-Diethylbenzene	Ave	1.717	1.677		19.5	20.0	-2.4	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2664	0.2327	0.0500	17.5	20.0	-12.6	30.0
1,3,5-Trichlorobenzene	Ave	1.104	1.080		19.6	20.0	-2.2	30.0
1,2,4-Trichlorobenzene	Ave	0.9791	0.9767	0.2000	20.0	20.0	-0.2	30.0
Hexachlorobutadiene	Ave	0.3957	0.3854		19.5	20.0	-2.6	30.0
Naphthalene	Ave	3.665	3.508		19.1	20.0	-4.3	30.0
1,2,3-Trichlorobenzene	Ave	0.9235	0.9062		19.6	20.0	-1.9	30.0
2-Methylnaphthalene	Ave	1.952	1.795		18.4	20.0	-8.0	30.0
Dibromofluoromethane (Surr)	Ave	0.2406	0.2413		50.1	50.0	0.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0626	0.0620		49.6	50.0	-0.8	30.0
Toluene-d8 (Surr)	Ave	1.245	1.245		50.0	50.0	-0.0	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5004	0.5013		50.1	50.0	0.2	30.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X11.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 10-Aug-2021 15:35:30 ALS Bottle#: 11 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0036390-011
 Misc. Info.: ICV
 Operator ID: jml01693 Instrument ID: 7159
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Aug-2021 18:53:22 Calib Date: 10-Aug-2021 14:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1630

First Level Reviewer: campbellme

Date: 10-Aug-2021 18:50:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.025	2.025	0.000	99	178719	20.0	23.0	M
6 Chloromethane	50	2.232	2.232	0.000	99	179798	20.0	21.3	
8 Vinyl chloride	62	2.353	2.353	0.000	86	195134	20.0	22.2	
9 Butadiene	39	2.353	2.353	0.000	90	167918	20.0	20.5	
10 Bromomethane	94	2.700	2.700	0.000	91	132557	20.0	21.5	
11 Chloroethane	64	2.785	2.779	0.006	99	110075	20.0	21.4	
12 Dichlorofluoromethane	67	3.035	3.035	0.000	97	252773	20.0	21.6	
13 Trichlorofluoromethane	101	3.102	3.102	0.000	98	230728	20.0	21.1	
15 Pentane	43	3.150	3.144	0.006	97	206705	20.0	16.4	
16 Ethanol	45	3.162	3.223	-0.061	29	69962	1000.0	1037.4	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.442	3.448	-0.006	92	162414	20.0	20.7	
18 Acrolein	56	3.533	3.534	-0.001	99	304282	150.0	161.6	
20 1,1-Dichloroethene	96	3.686	3.692	-0.006	98	116910	20.0	19.0	
21 Acetone	58	3.704	3.704	0.000	100	199125	250.0	253.6	
22 112TCTFE	101	3.722	3.722	0.000	91	122402	20.0	19.0	
23 Isopropyl alcohol	45	3.838	3.850	-0.012	96	82358	150.0	151.2	
24 Iodomethane	142	3.899	3.899	-0.001	97	199052	20.0	18.0	
25 Carbon disulfide	76	4.026	4.026	0.000	99	364247	20.0	17.4	
26 Methyl acetate	43	4.142	4.142	0.000	97	126654	20.0	18.8	
27 3-Chloro-1-propene	41	4.178	4.178	0.000	93	195216	20.0	18.4	
* 29 t-Butyl alcohol-d10 (IS)	65	4.373	4.373	0.000	98	253592	250.0	250.0	
28 Methylene Chloride	84	4.379	4.379	0.000	90	131231	20.0	19.2	
31 2-Methyl-2-propanol	59	4.501	4.489	0.012	99	208157	200.0	194.6	
32 Acrylonitrile	53	4.708	4.714	-0.006	98	331747	100.0	96.0	
33 Methyl tert-butyl ether	73	4.787	4.787	0.000	97	386646	20.0	19.2	
34 trans-1,2-Dichloroethene	96	4.805	4.805	0.000	99	130367	20.0	19.1	
36 Hexane	57	5.225	5.225	0.000	91	190330	20.0	17.2	
37 1,1-Dichloroethane	63	5.456	5.456	0.000	96	219700	20.0	19.0	
39 Isopropyl ether	45	5.511	5.511	0.000	94	399024	20.0	19.2	
40 2-Chloro-1,3-butadiene	53	5.571	5.572	-0.001	90	198605	20.0	19.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.052	6.052	0.000	97	396982	20.0	19.7	
43 2-Butanone (MEK)	43	6.241	6.247	-0.006	100	1113460	250.0	221.2	
44 cis-1,2-Dichloroethene	96	6.295	6.295	0.000	81	149188	20.0	19.7	
45 2,2-Dichloropropane	77	6.308	6.314	-0.006	86	206842	20.0	20.0	
46 Propionitrile	54	6.332	6.332	0.000	99	203545	150.0	157.1	
47 Methacrylonitrile	67	6.557	6.551	0.006	91	577124	150.0	145.7	
48 Chlorobromomethane	128	6.624	6.630	-0.006	66	70606	20.0	20.1	
49 Tetrahydrofuran	71	6.630	6.636	-0.006	84	133805	100.0	102.2	
50 Chloroform	83	6.776	6.776	0.000	93	223171	20.0	19.3	
\$ 51 Dibromofluoromethane (Surr)	113	6.995	6.995	0.000	93	263902	50.0	50.1	
52 1,1,1-Trichloroethane	97	7.013	7.007	0.006	97	207528	20.0	19.5	
54 Cyclohexane	56	7.117	7.111	0.006	89	241280	20.0	18.5	
56 1,1-Dichloropropene	75	7.220	7.226	-0.006	96	187266	20.0	19.9	
55 Carbon tetrachloride	117	7.226	7.226	0.000	87	175403	20.0	19.5	
58 Isobutyl alcohol	41	7.342	7.348	-0.006	94	170372	500.0	474.9	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.451	7.457	-0.006	92	67874	50.0	49.6	
60 Benzene	78	7.488	7.488	0.000	96	554826	20.0	19.6	
61 1,2-Dichloroethane	62	7.555	7.555	0.000	97	162124	20.0	18.9	
62 Tert-amyl methyl ether	73	7.670	7.670	0.000	98	390011	20.0	19.5	
* 64 Fluorobenzene (IS)	96	7.895	7.895	0.000	99	1093878	50.0	50.0	
65 n-Heptane	43	7.901	7.902	-0.001	90	188446	20.0	18.2	
66 n-Butanol	56	8.230	8.230	0.000	88	287246	1000.0	945.4	
67 Trichloroethene	95	8.376	8.376	0.000	99	143813	20.0	19.8	
68 Methylcyclohexane	83	8.692	8.692	0.000	93	264240	20.0	18.9	
69 2-ethoxy-2-methyl butane	87	8.711	8.711	0.000	93	216559	20.0	19.6	
70 1,2-Dichloropropane	63	8.711	8.711	0.000	69	138533	20.0	19.7	
71 Methyl methacrylate	69	8.784	8.784	0.000	90	125646	20.0	18.9	
72 1,4-Dioxane	88	8.796	8.808	-0.012	34	29028	500.0	466.8	M
74 Dibromomethane	93	8.820	8.820	0.000	97	85039	20.0	20.0	
75 Dichlorobromomethane	83	9.057	9.057	0.000	100	173567	20.0	19.8	
77 2-Nitropropane	41	9.307	9.313	-0.006	98	49944	20.0	21.2	
78 2-Chloroethyl vinyl ether	63	9.404	9.404	0.000	92	102992	20.0	19.2	
79 cis-1,3-Dichloropropene	75	9.593	9.593	0.000	95	223386	20.0	19.3	
80 4-Methyl-2-pentanone (MIBK)	43	9.751	9.751	0.000	96	2370676	250.0	238.6	
\$ 81 Toluene-d8 (Surr)	98	9.897	9.897	0.000	93	1112291	50.0	50.0	
82 Toluene	92	9.970	9.970	0.000	98	367881	20.0	19.9	
84 trans-1,3-Dichloropropene	75	10.219	10.219	0.000	92	209236	20.0	19.8	
85 Ethyl methacrylate	69	10.274	10.274	0.000	89	218567	20.0	19.8	
86 1,1,2-Trichloroethane	97	10.420	10.426	-0.006	90	127121	20.0	19.9	
87 Tetrachloroethene	166	10.517	10.517	0.000	97	150045	20.0	20.0	
88 1,3-Dichloropropane	76	10.584	10.584	0.000	89	211147	20.0	19.8	
89 2-Hexanone	43	10.627	10.627	0.000	96	1814291	250.0	241.9	
90 Chlorodibromomethane	129	10.803	10.803	0.000	90	136303	20.0	19.5	
91 Ethylene Dibromide	107	10.913	10.913	0.000	98	134129	20.0	19.4	
* 93 Chlorobenzene-d5 (IS)	117	11.339	11.339	0.000	86	893696	50.0	50.0	
94 1-Chlorohexane	91	11.345	11.345	0.000	95	214365	20.0	18.7	
95 Chlorobenzene	112	11.363	11.363	0.000	95	397753	20.0	19.7	
96 1,1,1,2-Tetrachloroethane	131	11.448	11.448	0.000	96	138832	20.0	20.0	
97 Ethylbenzene	91	11.448	11.448	0.000	98	723629	20.0	20.1	
98 m-Xylene & p-Xylene	106	11.564	11.564	0.000	100	565699	40.0	39.5	
99 o-Xylene	106	11.892	11.892	0.000	96	276065	20.0	19.8	
100 Styrene	104	11.904	11.905	0.000	94	465523	20.0	19.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
101 Bromoform	173	12.069	12.069	0.000	97	97311	20.0	19.5	
102 Isopropylbenzene	105	12.190	12.190	0.000	95	749829	20.0	20.6	
103 Cyclohexanone	55	12.263	12.263	0.000	91	133468	500.0	514.9	
\$ 104 4-Bromofluorobenzene (Surr)	95	12.336	12.336	0.000	88	448000	50.0	50.1	
105 1,1,2,2-Tetrachloroethane	83	12.434	12.434	0.000	93	205227	20.0	20.1	
106 Bromobenzene	156	12.452	12.452	0.000	76	168992	20.0	20.4	
107 trans-1,4-Dichloro-2-butene	53	12.458	12.458	0.000	91	326291	100.0	96.9	
108 1,2,3-Trichloropropane	110	12.482	12.482	0.000	83	62775	20.0	19.6	
109 N-Propylbenzene	91	12.519	12.519	0.000	99	867930	20.0	20.2	
110 2-Chlorotoluene	126	12.598	12.598	0.000	97	169136	20.0	19.5	
111 1,3,5-Trimethylbenzene	105	12.653	12.653	0.000	94	615474	20.0	20.1	
112 4-Chlorotoluene	126	12.689	12.689	0.000	97	175292	20.0	20.0	
113 tert-Butylbenzene	134	12.896	12.896	0.000	93	124553	20.0	19.6	
115 1,2,4-Trimethylbenzene	105	12.939	12.939	0.000	97	626020	20.0	20.1	
116 sec-Butylbenzene	105	13.060	13.060	0.000	94	787055	20.0	20.9	
117 1,3-Dichlorobenzene	146	13.164	13.164	0.000	97	322917	20.0	19.7	
118 4-Isopropyltoluene	119	13.170	13.170	0.000	97	664510	20.0	20.2	
* 119 1,4-Dichlorobenzene-d4	152	13.219	13.219	0.000	95	481030	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.237	13.237	0.000	95	329953	20.0	19.9	
121 1,2,3-Trimethylbenzene	105	13.243	13.243	0.000	98	620327	20.0	19.6	
122 Benzyl chloride	91	13.310	13.310	0.000	98	445605	20.0	19.0	
123 1,3-Diethylbenzene	119	13.371	13.365	0.006	95	385931	20.0	19.4	
124 p-Diethylbenzene	119	13.438	13.438	0.000	95	410502	20.0	19.7	
125 n-Butylbenzene	92	13.462	13.462	0.000	96	327383	20.0	20.0	
126 1,2-Dichlorobenzene	146	13.498	13.498	0.000	98	303498	20.0	19.6	
127 o-diethylbenzene	119	13.511	13.511	0.000	96	322641	20.0	19.5	
129 1,2-Dibromo-3-Chloropropane	75	14.040	14.040	0.000	88	44781	20.0	17.5	
130 1,3,5-Trichlorobenzene	180	14.168	14.168	0.000	97	207847	20.0	19.6	
131 1,2,4-Trichlorobenzene	180	14.593	14.593	0.000	93	187924	20.0	20.0	
132 Hexachlorobutadiene	225	14.679	14.673	0.006	98	74156	20.0	19.5	
133 Naphthalene	128	14.776	14.776	0.000	97	675072	20.0	19.1	
134 1,2,3-Trichlorobenzene	180	14.922	14.922	0.000	96	174373	20.0	19.6	
135 2-Methylnaphthalene	142	15.579	15.579	0.000	92	345388	20.0	18.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_QCYC_00005	Amount Added: 50.00	Units: uL	
MSV_Q_ETOH_00009	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00014	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00013	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00024	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00015	Amount Added: 50.00	Units: uL	
MSV_Cent_ISSS_00001	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 10-Aug-2021 18:53:24

Chrom Revision: 2.3 03-Aug-2021 10:08:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X11.D

Injection Date: 10-Aug-2021 15:35:30

Instrument ID: 7159

Operator ID: jml01693

Lims ID: ICV

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

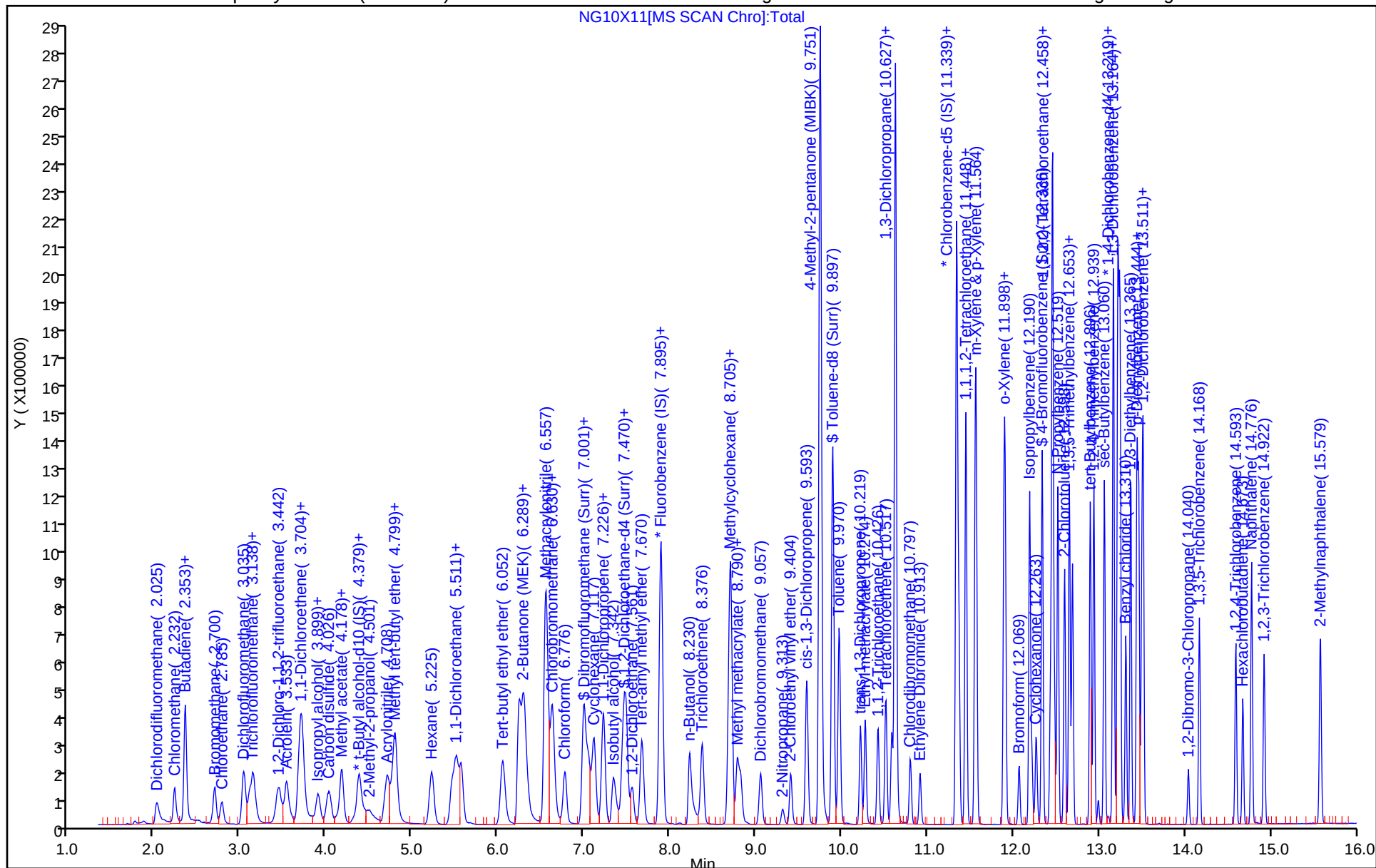
ALS Bottle#: 11

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X11.D

Injection Date: 10-Aug-2021 15:35:30

Instrument ID: 7159

Lims ID: ICV

Client ID:

Operator ID: jml01693

ALS Bottle#:

11

Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

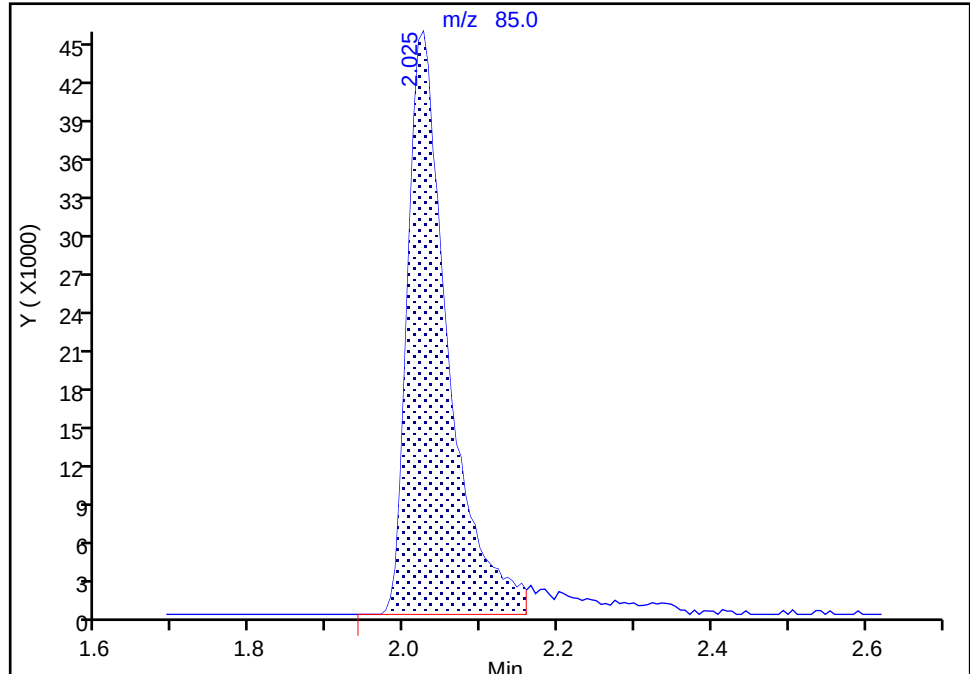
MS Quad

5 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

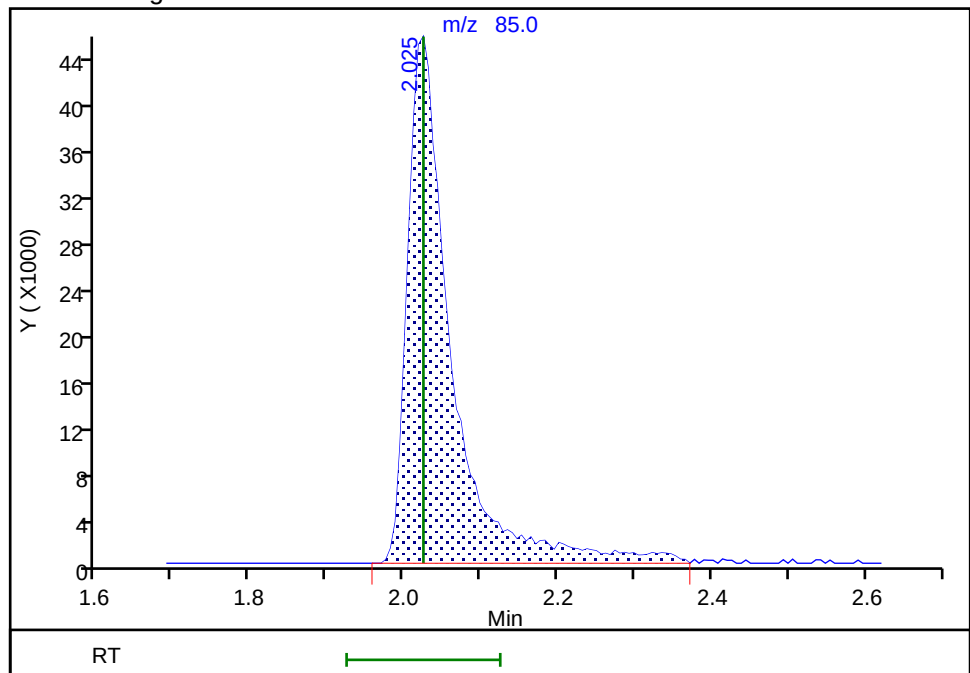
RT: 2.02
Area: 165275
Amount: 21.289599
Amount Units: ug/l

Processing Integration Results



RT: 2.02
Area: 178719
Amount: 23.021364
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:48:34

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X11.D
Injection Date: 10-Aug-2021 15:35:30 Instrument ID: 7159
Lims ID: ICV
Client ID:
Operator ID: jml01693
Purge Vol: 5.000 mL
Method: MSVoa_7159
Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

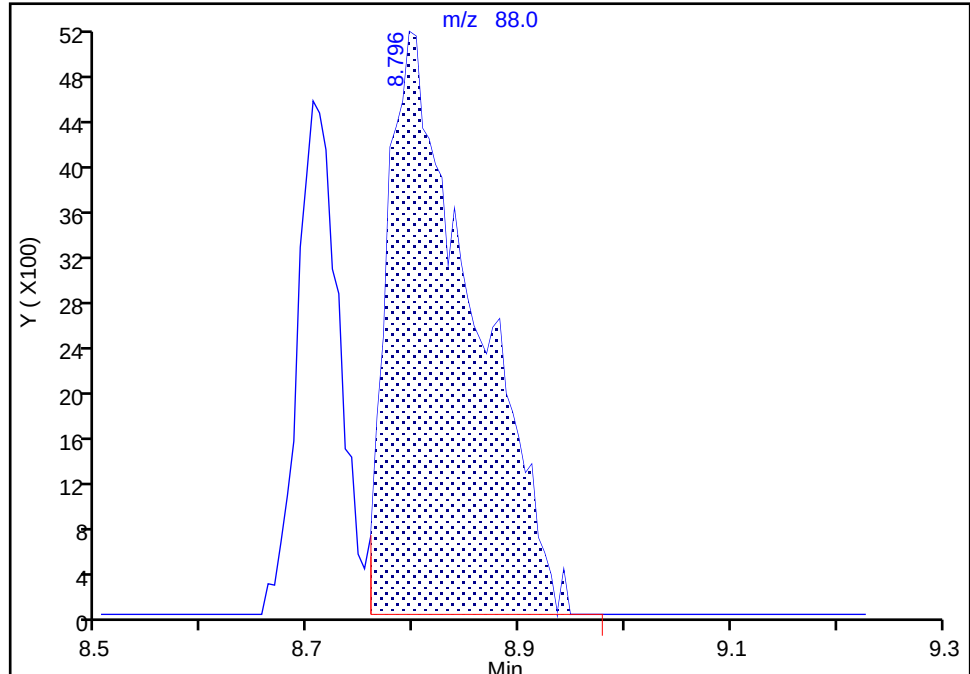
ALS Bottle#: 11 Worklist Smp#: 11
Dil. Factor: 1.0000
Limit Group: MSV - 8260C_D
Detector: MS Quad

72 1,4-Dioxane, CAS: 123-91-1

Signal: 1

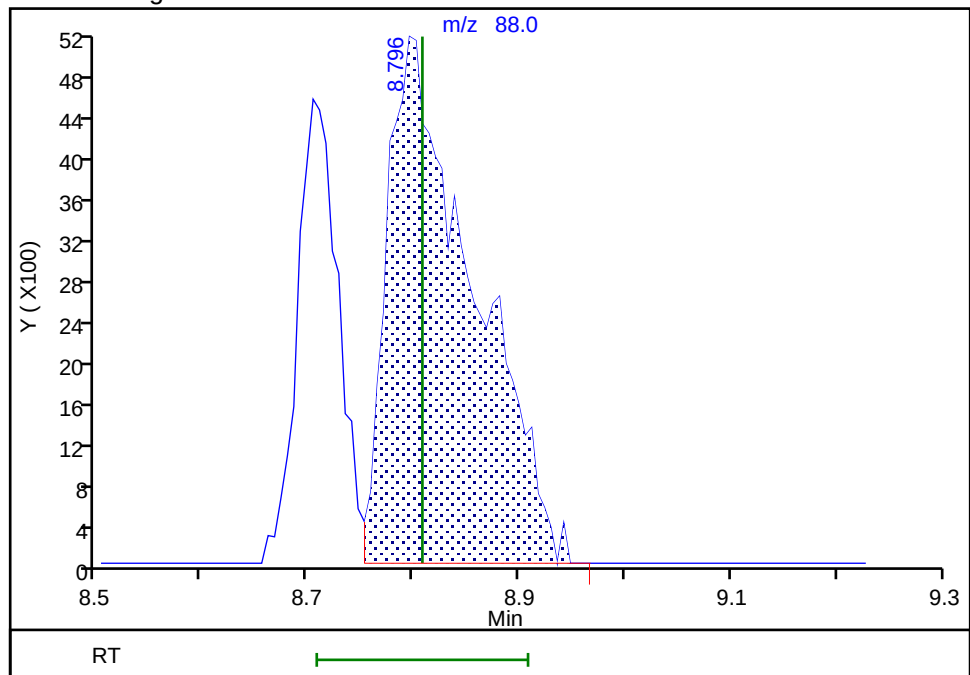
RT: 8.80
Area: 28881
Amount: 464.4021
Amount Units: ug/l

Processing Integration Results



RT: 8.80
Area: 29028
Amount: 466.7659
Amount Units: ug/l

Manual Integration Results



Reviewer: campbellme, 10-Aug-2021 18:49:09

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-201735/3 Calibration Date: 12/06/2021 12:18
 Instrument ID: 7159 Calib Start Date: 08/10/2021 12:30
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 08/10/2021 14:49
 Lab File ID: ND06X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3548	0.3394	0.1000	47.8	50.0	-4.3	20.0
Chloromethane	Ave	0.3861	0.4006	0.1000	51.9	50.0	3.7	20.0
Vinyl chloride	Ave	0.4017	0.4384	0.1000	54.6	50.0	9.1	20.0
1,3-Butadiene	Ave	0.3748	0.3683		49.1	50.0	-1.7	20.0
Bromomethane	Ave	0.2819	0.2702	0.1000	47.9	50.0	-4.2	20.0
Chloroethane	Ave	0.2353	0.2358	0.1000	50.1	50.0	0.2	20.0
Dichlorofluoromethane	Ave	0.5340	0.5268		49.3	50.0	-1.3	20.0
Trichlorofluoromethane	Ave	0.4997	0.4714	0.1000	47.2	50.0	-5.7	20.0
n-Pentane	Ave	0.5747	0.4806		41.8	50.0	-16.4	20.0
Ethanol	Ave	0.0665	0.0645		1210	1250	-3.0	20.0
Freon 123a	Ave	0.3580	0.3597		50.2	50.0	0.5	20.0
Acrolein	Ave	1.856	2.230		602	501	20.1*	20.0
1,1-Dichloroethene	Ave	0.2818	0.2682	0.1000	47.6	50.0	-4.8	20.0
Acetone	Ave	0.7740	1.026	0.1000	133	100	32.5*	20.0
Freon 113	Ave	0.2944	0.2607	0.1000	44.3	50.0	-11.4	20.0
2-Propanol	Ave	0.5370	0.4780		223	250	-11.0	20.0
Methyl iodide	Ave	0.5044	0.4150		41.1	50.0	-17.7	20.0
Carbon disulfide	Ave	0.9581	0.8236	0.1000	43.0	50.0	-14.0	20.0
Methyl acetate	Ave	0.3085	0.2870	0.1000	46.5	50.0	-7.0	20.0
Allyl chloride	Ave	0.4840	0.4415		45.6	50.0	-8.8	20.0
Methylene Chloride	Ave	0.3130	0.3184	0.1000	50.9	50.0	1.7	20.0
t-Butyl alcohol	Ave	1.055	1.001		237	250	-5.1	20.0
Acrylonitrile	Ave	0.1580	0.1723		136	125	9.0	20.0
Methyl tertiary butyl ether	Ave	0.9209	0.9204	0.1000	50.0	50.0	-0.0	20.0
trans-1,2-Dichloroethene	Ave	0.3115	0.3134	0.1000	50.3	50.0	0.6	20.0
n-Hexane	Ave	0.5064	0.4721		46.6	50.0	-6.8	20.0
1,1-Dichloroethane	Ave	0.5294	0.5593	0.2000	52.8	50.0	5.7	20.0
di-Isopropyl ether	Ave	0.9487	0.9666		50.9	50.0	1.9	20.0
2-Chloro-1,3-butadiene	Ave	0.4691	0.4589		48.9	50.0	-2.2	20.0
Ethyl t-butyl ether	Ave	0.9214	0.9405		51.0	50.0	2.1	20.0
2-Butanone	Ave	0.2301	0.2322	0.1000	101	100	0.9	20.0
cis-1,2-Dichloroethene	Ave	0.3457	0.3416	0.1000	49.4	50.0	-1.2	20.0
2,2-Dichloropropane	Ave	0.4733	0.4601		48.6	50.0	-2.8	20.0
Propionitrile	Ave	1.278	1.585		310	250	24.0*	20.0
Methacrylonitrile	Ave	0.1811	0.1903		131	125	5.1	20.0
Tetrahydrofuran	Ave	1.291	1.496		290	250	15.9	20.0
Bromochloromethane	Ave	0.1602	0.1575		49.2	50.0	-1.7	20.0
Chloroform	Ave	0.5294	0.5346	0.2000	50.5	50.0	1.0	20.0
1,1,1-Trichloroethane	Ave	0.4874	0.4655	0.1000	47.8	50.0	-4.5	20.0
Cyclohexane	Ave	0.5955	0.5707	0.1000	47.9	50.0	-4.2	20.0
1,1-Dichloropropene	Ave	0.4303	0.4469		51.9	50.0	3.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1

SDG No.: _____

Lab Sample ID: CCVIS 410-201735/3 Calibration Date: 12/06/2021 12:18

Instrument ID: 7159 Calib Start Date: 08/10/2021 12:30

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 08/10/2021 14:49

Lab File ID: ND06X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.4101	0.3867	0.1000	47.1	50.0	-5.7	20.0
Isobutyl alcohol	Ave	0.3537	0.3750		663	625	6.0	20.0
Benzene	Ave	1.293	1.326	0.5000	51.3	50.0	2.6	20.0
1,2-Dichloroethane	Ave	0.3917	0.4063	0.1000	51.9	50.0	3.7	20.0
t-Amyl methyl ether	Ave	0.9160	0.9567		52.2	50.0	4.4	20.0
n-Heptane	Ave	0.4728	0.4460		47.2	50.0	-5.7	20.0
n-Butanol	Ave	0.2995	0.3368		703	625	12.4	20.0
Trichloroethene	Ave	0.3327	0.3272	0.2000	49.2	50.0	-1.6	20.0
Methylcyclohexane	Ave	0.6401	0.6326	0.1000	49.4	50.0	-1.2	20.0
1,2-Dichloropropane	Ave	0.3217	0.3446	0.1000	53.6	50.0	7.1	20.0
t-Amyl ethyl ether	Ave	0.5041	0.5081		50.4	50.0	0.8	20.0
Methyl methacrylate	Ave	0.3033	0.3026		49.9	50.0	-0.2	20.0
1,4-Dioxane	Ave	0.0613	0.0694	0.0050	707	625	13.1	20.0
Dibromomethane	Ave	0.1945	0.1937		49.8	50.0	-0.4	20.0
Bromodichloromethane	Ave	0.4008	0.4012	0.2000	50.1	50.0	0.1	20.0
2-Nitropropane	Ave	2.325	2.492		268	250	7.2	20.0
2-Chloroethyl vinyl ether	Ave	0.2453	0.2643		53.9	50.0	7.7	20.0
cis-1,3-Dichloropropene	Ave	0.5300	0.5463	0.2000	51.5	50.0	3.1	20.0
4-Methyl-2-pentanone	Ave	0.4541	0.4761	0.1000	105	100	4.8	20.0
Toluene	Ave	1.035	1.133	0.4000	54.7	50.0	9.5	20.0
trans-1,3-Dichloropropene	Ave	0.5899	0.6596	0.1000	55.9	50.0	11.8	20.0
Ethyl methacrylate	Ave	0.6174	0.6879		55.7	50.0	11.4	20.0
1,1,2-Trichloroethane	Ave	0.3568	0.4000	0.1000	56.1	50.0	12.1	20.0
Tetrachloroethene	Ave	0.4197	0.4206	0.2000	50.1	50.0	0.2	20.0
1,3-Dichloropropane	Ave	0.5965	0.6883		57.7	50.0	15.4	20.0
2-Hexanone	Ave	0.4196	0.4827	0.1000	115	100	15.0	20.0
Dibromochloromethane	Ave	0.3913	0.4103		52.4	50.0	4.8	20.0
1,2-Dibromoethane	Ave	0.3867	0.4125	0.1000	53.3	50.0	6.7	20.0
1-Chlorohexane	Ave	0.6412	0.6476		50.5	50.0	1.0	20.0
Chlorobenzene	Ave	1.127	1.228	0.5000	54.5	50.0	9.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3892	0.4096		52.6	50.0	5.2	20.0
Ethylbenzene	Ave	2.016	2.212	0.1000	54.9	50.0	9.7	20.0
m&p-Xylene	Ave	0.8011	0.8611	0.1000	107	100	7.5	20.0
o-Xylene	Ave	0.7804	0.8516	0.3000	54.6	50.0	9.1	20.0
Styrene	Ave	1.309	1.405	0.3000	53.6	50.0	7.3	20.0
Bromoform	Ave	0.2796	0.2814	0.1000	50.3	50.0	0.7	20.0
Isopropylbenzene	Ave	2.034	2.171	0.1000	53.4	50.0	6.7	20.0
Cyclohexanone	Ave	0.2556	0.2777		679	625	8.7	20.0
1,1,2,2-Tetrachloroethane	Ave	1.060	1.218	0.3000	57.4	50.0	14.8	20.0
Bromobenzene	Ave	0.8629	0.8769		50.8	50.0	1.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3500	0.3918		140	125	12.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-201735/3 Calibration Date: 12/06/2021 12:18
 Instrument ID: 7159 Calib Start Date: 08/10/2021 12:30
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 08/10/2021 14:49
 Lab File ID: ND06X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trichloropropane	Ave	0.3324	0.3659		55.0	50.0	10.1	20.0
N-Propylbenzene	Ave	4.456	4.925		55.3	50.0	10.5	20.0
2-Chlorotoluene	Ave	0.8999	0.9577		53.2	50.0	6.4	20.0
1,3,5-Trimethylbenzene	Ave	3.185	3.477		54.6	50.0	9.2	20.0
4-Chlorotoluene	Ave	0.9114	0.9732		53.4	50.0	6.8	20.0
tert-Butylbenzene	Ave	0.6595	0.7006		53.1	50.0	6.2	20.0
1,2,4-Trimethylbenzene	Ave	3.244	3.537		54.5	50.0	9.0	20.0
sec-Butylbenzene	Ave	3.918	4.329		55.2	50.0	10.5	20.0
1,3-Dichlorobenzene	Ave	1.701	1.781	0.6000	52.3	50.0	4.7	20.0
p-Isopropyltoluene	Ave	3.417	3.686		53.9	50.0	7.9	20.0
1,4-Dichlorobenzene	Ave	1.725	1.785	0.5000	51.7	50.0	3.4	20.0
1,2,3-Trimethylbenzene	Ave	3.282	3.533		53.8	50.0	7.7	20.0
Benzyl chloride	Ave	2.435	2.558		52.5	50.0	5.0	20.0
1,3-Diethylbenzene	Ave	2.067	2.200		53.2	50.0	6.4	20.0
1,4-Diethylbenzene	Ave	2.161	2.264		52.4	50.0	4.8	20.0
n-Butylbenzene	Ave	1.703	1.961		57.6	50.0	15.2	20.0
1,2-Dichlorobenzene	Ave	1.608	1.696	0.4000	52.7	50.0	5.5	20.0
1,2-Diethylbenzene	Ave	1.717	1.779		51.8	50.0	3.6	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2664	0.3010	0.0500	56.5	50.0	13.0	20.0
1,3,5-Trichlorobenzene	Ave	1.104	1.148		52.0	50.0	3.9	20.0
1,2,4-Trichlorobenzene	Ave	0.9791	1.025	0.2000	52.3	50.0	4.7	20.0
Hexachlorobutadiene	Ave	0.3957	0.4065		51.4	50.0	2.7	20.0
Naphthalene	Ave	3.665	3.847		52.5	50.0	5.0	20.0
1,2,3-Trichlorobenzene	Ave	0.9235	0.9507		51.5	50.0	2.9	20.0
2-Methylnaphthalene	Ave	1.952	1.824		46.7	50.0	-6.6	20.0
Dibromofluoromethane (Surr)	Ave	0.2406	0.2364		49.1	50.0	-1.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0626	0.0642		51.3	50.0	2.6	20.0
Toluene-d8 (Surr)	Ave	1.245	1.399		56.2	50.0	12.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5004	0.5131		51.3	50.0	2.5	20.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06X02.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 06-Dec-2021 12:18:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0045588-003
 Misc. Info.: CCVIS
 Operator ID: LCP00895 Instrument ID: 7159
 Sublist: chrom-MSVoa_7159*sub19
 Method: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Dec-2021 14:30:56 Calib Date: 10-Aug-2021 14:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: papel

Date: 06-Dec-2021 12:52:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.031	2.031	0.000	99	414158	50.0	47.8	
6 Chloromethane	50	2.232	2.232	0.000	99	488764	50.0	51.9	
8 Vinyl chloride	62	2.353	2.353	0.000	98	534966	50.0	54.6	
9 Butadiene	39	2.365	2.365	0.000	89	449402	50.0	49.1	
10 Bromomethane	94	2.706	2.706	0.000	90	329631	50.0	47.9	
11 Chloroethane	64	2.797	2.797	0.000	100	287702	50.0	50.1	
12 Dichlorofluoromethane	67	3.041	3.041	0.000	97	642835	50.0	49.3	
13 Trichlorofluoromethane	101	3.114	3.114	0.000	96	575139	50.0	47.2	
15 Pentane	43	3.162	3.162	0.000	98	586444	50.0	41.8	
16 Ethanol	45	3.229	3.229	0.000	80	89181	1250.1	1212.3	M
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.454	3.454	0.000	94	438831	50.0	50.2	
18 Acrolein	56	3.552	3.552	0.000	100	1236170	501.1	601.8	
20 1,1-Dichloroethene	96	3.698	3.698	0.000	98	327209	50.0	47.6	
21 Acetone	58	3.716	3.716	0.000	99	113478	100.0	132.5	
22 112TCTFE	101	3.734	3.734	0.000	95	318150	50.0	44.3	
23 Isopropyl alcohol	45	3.850	3.850	0.000	96	132229	250.0	222.5	
24 Iodomethane	142	3.905	3.905	0.000	97	506396	50.0	41.1	
25 Carbon disulfide	76	4.020	4.020	0.000	99	1004875	50.0	43.0	
26 Methyl acetate	43	4.160	4.160	0.000	97	350124	50.0	46.5	
27 3-Chloro-1-propene	41	4.197	4.197	0.000	93	538677	50.0	45.6	
* 29 t-Butyl alcohol-d10 (IS)	65	4.379	4.379	0.000	85	276629	250.0	250.0	
28 Methylene Chloride	84	4.391	4.391	0.000	90	388538	50.0	50.9	
31 2-Methyl-2-propanol	59	4.519	4.519	0.000	99	276902	250.0	237.3	
32 Acrylonitrile	53	4.732	4.732	0.000	100	525446	125.0	136.3	
33 Methyl tert-butyl ether	73	4.805	4.805	0.000	94	1123006	50.0	50.0	
34 trans-1,2-Dichloroethene	96	4.823	4.823	0.000	99	382367	50.0	50.3	
36 Hexane	57	5.243	5.243	0.000	90	576014	50.0	46.6	
37 1,1-Dichloroethane	63	5.480	5.480	0.000	96	682480	50.0	52.8	
39 Isopropyl ether	45	5.529	5.529	0.000	94	1179378	50.0	50.9	
40 2-Chloro-1,3-butadiene	53	5.590	5.590	0.000	90	559919	50.0	48.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 Tert-butyl ethyl ether	59	6.070	6.070	0.000	97	1147608	50.0	51.0	
43 2-Butanone (MEK)	43	6.259	6.259	0.000	99	566624	100.0	100.9	
44 cis-1,2-Dichloroethene	96	6.308	6.308	0.000	82	416800	50.0	49.4	
45 2,2-Dichloropropane	77	6.320	6.320	0.000	89	561451	50.0	48.6	
46 Propionitrile	54	6.344	6.344	0.000	99	438350	250.0	310.1	
47 Methacrylonitrile	67	6.569	6.569	0.000	90	580626	125.0	131.4	
49 Tetrahydrofuran	71	6.642	6.642	0.000	89	413707	250.0	289.7	
48 Chlorobromomethane	128	6.648	6.648	0.000	64	192149	50.0	49.2	
50 Chloroform	83	6.794	6.794	0.000	93	652266	50.0	50.5	
\$ 51 Dibromofluoromethane (Surr)	113	7.013	7.013	0.000	93	288394	50.0	49.1	
52 1,1,1-Trichloroethane	97	7.032	7.032	0.000	98	568005	50.0	47.8	
54 Cyclohexane	56	7.129	7.129	0.000	88	696305	50.0	47.9	
56 1,1-Dichloropropene	75	7.238	7.238	0.000	97	545233	50.0	51.9	
55 Carbon tetrachloride	117	7.245	7.245	0.000	96	471883	50.0	47.1	
58 Isobutyl alcohol	41	7.354	7.354	0.000	95	259364	625.0	662.7	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.464	7.464	0.000	97	78354	50.0	51.3	
60 Benzene	78	7.506	7.506	0.000	96	1618315	50.0	51.3	
61 1,2-Dichloroethane	62	7.573	7.573	0.000	97	495786	50.0	51.9	
62 Tert-amyl methyl ether	73	7.689	7.689	0.000	99	1167311	50.0	52.2	
* 64 Fluorobenzene (IS)	96	7.908	7.908	0.000	99	1220154	50.0	50.0	
65 n-Heptane	43	7.920	7.920	0.000	89	544196	50.0	47.2	
66 n-Butanol	56	8.242	8.242	0.000	86	232889	625.0	702.6	
67 Trichloroethene	95	8.388	8.388	0.000	100	399261	50.0	49.2	
68 Methylcyclohexane	83	8.705	8.705	0.000	94	771894	50.0	49.4	
70 1,2-Dichloropropane	63	8.723	8.723	0.000	77	420484	50.0	53.6	
69 2-ethoxy-2-methyl butane	87	8.729	8.729	0.000	91	620010	50.0	50.4	
71 Methyl methacrylate	69	8.796	8.796	0.000	91	369194	50.0	49.9	
72 1,4-Dioxane	88	8.808	8.808	0.000	31	47974	625.0	707.2	
74 Dibromomethane	93	8.838	8.838	0.000	95	236404	50.0	49.8	
75 Dichlorobromomethane	83	9.064	9.064	0.000	100	489558	50.0	50.1	
77 2-Nitropropane	41	9.325	9.325	0.000	96	689493	250.0	268.0	
78 2-Chloroethyl vinyl ether	63	9.416	9.416	0.000	90	322426	50.0	53.9	
79 cis-1,3-Dichloropropene	75	9.599	9.599	0.000	97	666607	50.0	51.5	
80 4-Methyl-2-pentanone (MIBK)	43	9.763	9.763	0.000	95	1161760	100.0	104.8	
\$ 81 Toluene-d8 (Surr)	98	9.909	9.909	0.000	93	1263506	50.0	56.2	
82 Toluene	92	9.982	9.982	0.000	98	1022792	50.0	54.7	
84 trans-1,3-Dichloropropene	75	10.232	10.232	0.000	91	595496	50.0	55.9	
85 Ethyl methacrylate	69	10.286	10.286	0.000	88	621132	50.0	55.7	
86 1,1,2-Trichloroethane	97	10.432	10.432	0.000	90	361139	50.0	56.1	
87 Tetrachloroethene	166	10.524	10.524	0.000	96	379792	50.0	50.1	
88 1,3-Dichloropropane	76	10.590	10.590	0.000	88	621420	50.0	57.7	
89 2-Hexanone	43	10.633	10.633	0.000	95	871631	100.0	115.0	
90 Chlorodibromomethane	129	10.809	10.809	0.000	91	370417	50.0	52.4	
91 Ethylene Dibromide	107	10.919	10.919	0.000	98	372416	50.0	53.3	
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	87	902882	50.0	50.0	
94 1-Chlorohexane	91	11.351	11.351	0.000	96	584666	50.0	50.5	
95 Chlorobenzene	112	11.375	11.375	0.000	95	1109041	50.0	54.5	
96 1,1,1,2-Tetrachloroethane	131	11.454	11.454	0.000	96	369816	50.0	52.6	
97 Ethylbenzene	91	11.460	11.460	0.000	98	1997032	50.0	54.9	
98 m-Xylene & p-Xylene	106	11.570	11.570	0.000	99	1554857	100.0	107.5	
99 o-Xylene	106	11.898	11.898	0.000	96	768927	50.0	54.6	
100 Styrene	104	11.917	11.917	0.000	94	1268337	50.0	53.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
101 Bromoform	173	12.075	12.075	0.000	95	254100	50.0	50.3	
102 Isopropylbenzene	105	12.197	12.197	0.000	96	1960281	50.0	53.4	
103 Cyclohexanone	55	12.276	12.276	0.000	91	192062	625.0	679.2	
\$ 104 4-Bromofluorobenzene (Surr)	95	12.343	12.343	0.000	85	463248	50.0	51.3	
105 1,1,2,2-Tetrachloroethane	83	12.440	12.440	0.000	93	581568	50.0	57.4	
106 Bromobenzene	156	12.464	12.464	0.000	93	418859	50.0	50.8	
107 trans-1,4-Dichloro-2-butene	53	12.464	12.464	0.000	87	467852	125.0	139.9	
108 1,2,3-Trichloropropane	110	12.489	12.489	0.000	83	174766	50.0	55.0	
109 N-Propylbenzene	91	12.525	12.525	0.000	99	2352403	50.0	55.3	
110 2-Chlorotoluene	126	12.604	12.604	0.000	96	457440	50.0	53.2	
111 1,3,5-Trimethylbenzene	105	12.665	12.665	0.000	93	1660889	50.0	54.6	
112 4-Chlorotoluene	126	12.695	12.695	0.000	98	464877	50.0	53.4	
113 tert-Butylbenzene	134	12.902	12.902	0.000	93	334663	50.0	53.1	
115 1,2,4-Trimethylbenzene	105	12.945	12.945	0.000	98	1689240	50.0	54.5	
116 sec-Butylbenzene	105	13.066	13.066	0.000	94	2067738	50.0	55.2	
117 1,3-Dichlorobenzene	146	13.170	13.170	0.000	97	850509	50.0	52.3	
118 4-Isopropyltoluene	119	13.176	13.176	0.000	97	1760429	50.0	53.9	
* 119 1,4-Dichlorobenzene-d4	152	13.225	13.225	0.000	96	477655	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.243	13.243	0.000	93	852457	50.0	51.7	
121 1,2,3-Trimethylbenzene	105	13.255	13.255	0.000	98	1687705	50.0	53.8	
122 Benzyl chloride	91	13.316	13.316	0.000	98	1221726	50.0	52.5	
123 1,3-Diethylbenzene	119	13.377	13.377	0.000	95	1050631	50.0	53.2	
124 p-Diethylbenzene	119	13.450	13.450	0.000	93	1081486	50.0	52.4	
125 n-Butylbenzene	92	13.468	13.468	0.000	97	936911	50.0	57.6	
126 1,2-Dichlorobenzene	146	13.505	13.505	0.000	97	810080	50.0	52.7	
127 o-diethylbenzene	119	13.523	13.523	0.000	96	849614	50.0	51.8	
129 1,2-Dibromo-3-Chloropropane	75	14.046	14.046	0.000	91	143773	50.0	56.5	
130 1,3,5-Trichlorobenzene	180	14.174	14.174	0.000	97	548228	50.0	52.0	
131 1,2,4-Trichlorobenzene	180	14.600	14.600	0.000	95	489645	50.0	52.3	
132 Hexachlorobutadiene	225	14.685	14.685	0.000	98	194184	50.0	51.4	
133 Naphthalene	128	14.782	14.782	0.000	97	1837607	50.0	52.5	
134 1,2,3-Trichlorobenzene	180	14.928	14.928	0.000	94	454112	50.0	51.5	
135 2-Methylnaphthalene	142	15.585	15.585	0.000	92	871055	50.0	46.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#3_00039	Amount Added: 4.00	Units: uL	
MSV_CCV_2CEVE_00037	Amount Added: 5.00	Units: uL	
MSV_CCV_GASES_00112	Amount Added: 2.50	Units: uL	
MSV_CCV_ETOH_00001	Amount Added: 10.00	Units: uL	
MSV_VCYC_00007	Amount Added: 10.00	Units: uL	
MSV_CCV_VOC#1_00040	Amount Added: 5.00	Units: uL	
MSV_HP4_ISSS_00010	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 06-Dec-2021 14:30:58

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06X02.D

Injection Date: 06-Dec-2021 12:18:30

Instrument ID: 7159

Operator ID: LCP00895

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

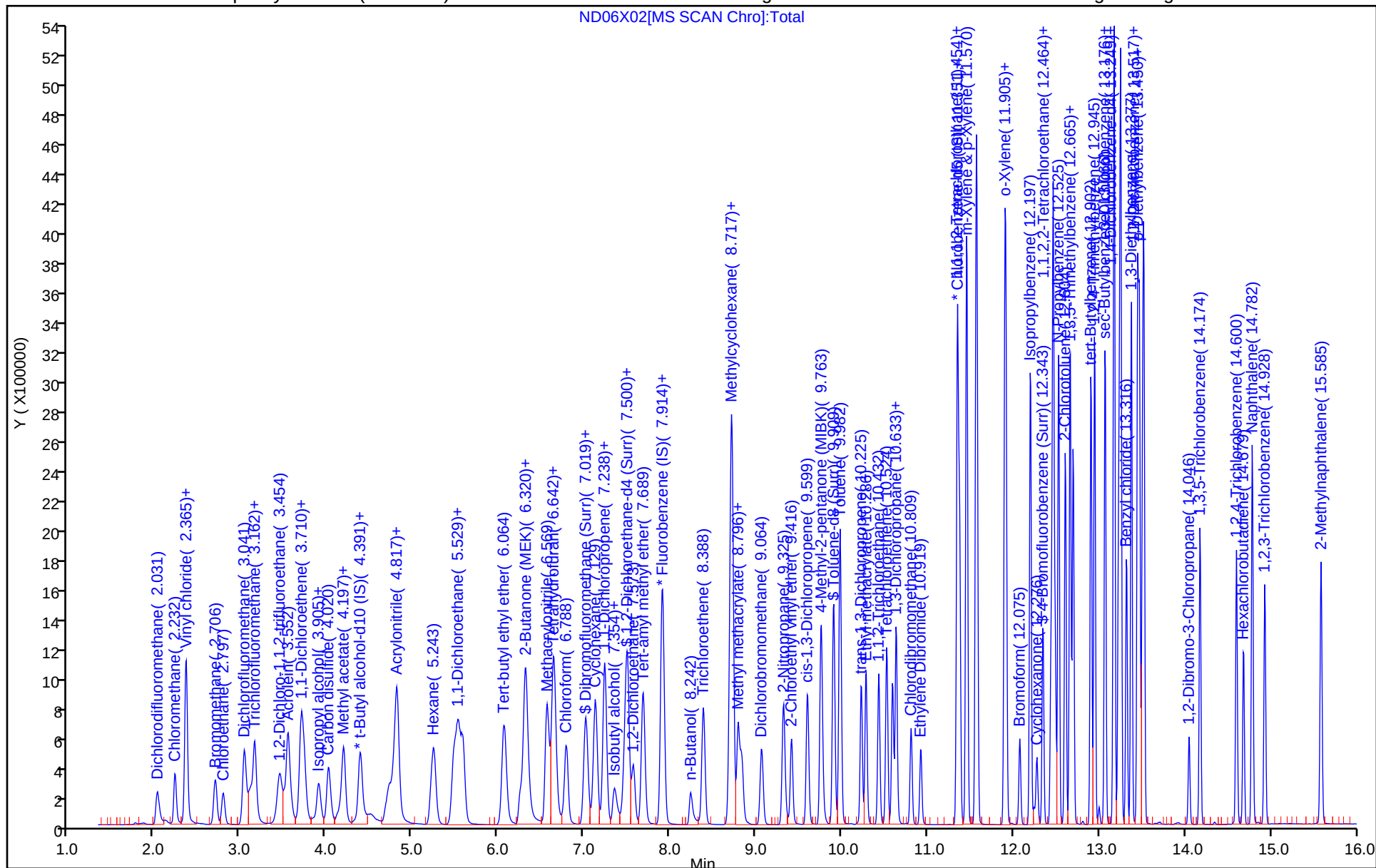
ALS Bottle#: 2

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06X02.D

Injection Date: 06-Dec-2021 12:18:30

Instrument ID: 7159

Lims ID: CCVIS

Client ID:

Operator ID: LCP00895

ALS Bottle#:

2

Worklist Smp#: 3

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

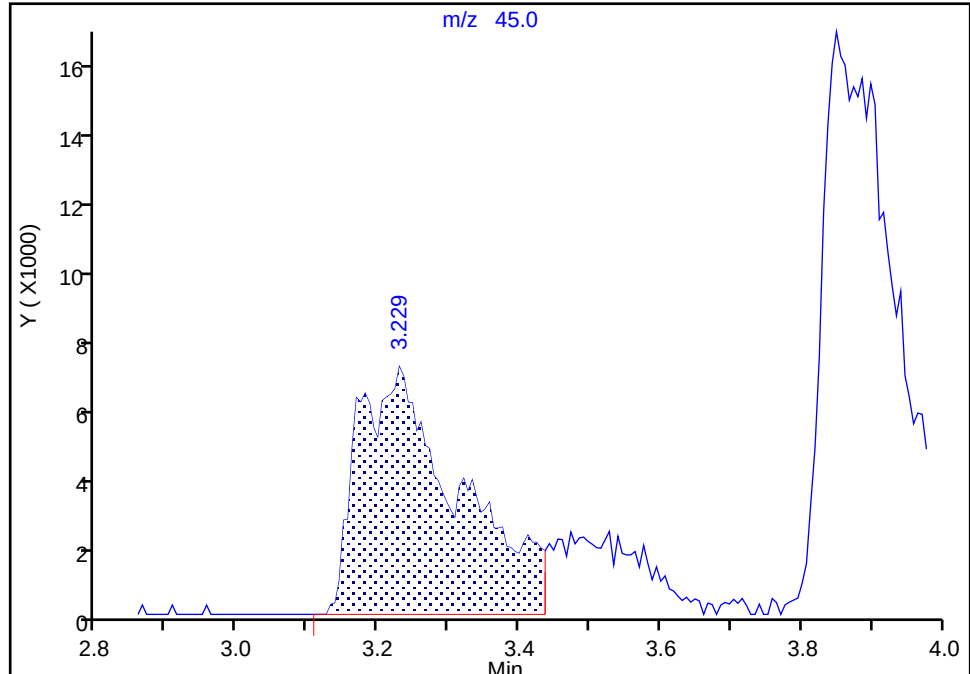
MS Quad

16 Ethanol, CAS: 64-17-5

Signal: 1

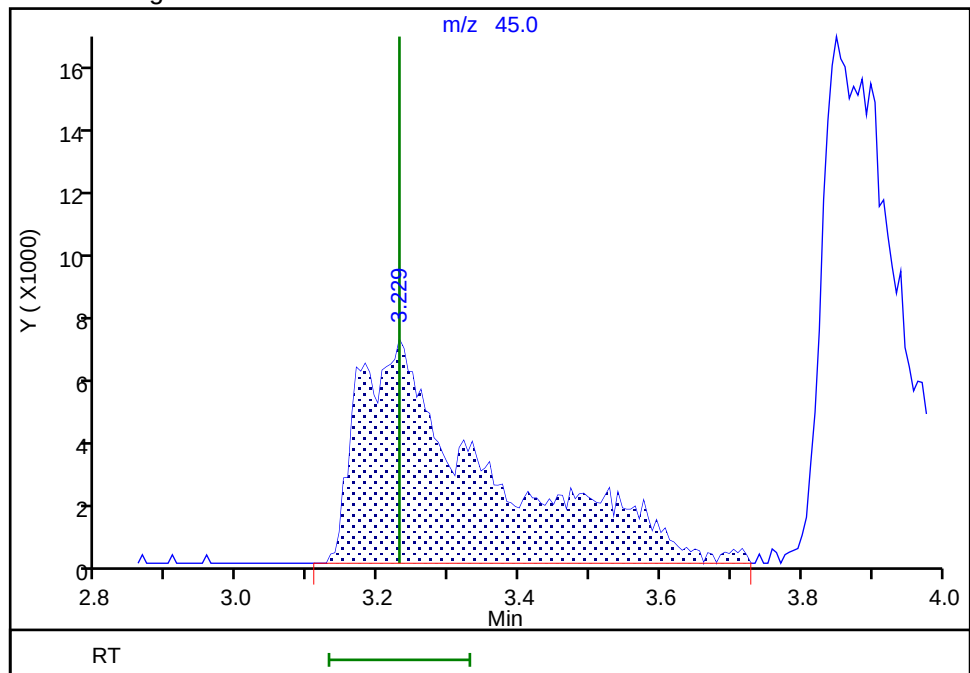
RT: 3.23
Area: 68612
Amount: 932.6665
Amount Units: ug/l

Processing Integration Results



RT: 3.23
Area: 89181
Amount: 1212.2680
Amount Units: ug/l

Manual Integration Results



Reviewer: papel, 06-Dec-2021 12:51:45

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10T01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 10-Aug-2021 11:33:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: 410-0036390-001
 Misc. Info.: BFB
 Operator ID: jml01693 Instrument ID: 7159
 Method: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 10-Aug-2021 18:53:22 Calib Date: 10-Aug-2021 14:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1630

First Level Reviewer: longj

Date: 10-Aug-2021 11:54:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 35 BFB	95	4.910	4.910	0.000	0	127459	NC	NC	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

MSV_V_BFB_00006

Amount Added: 1.00

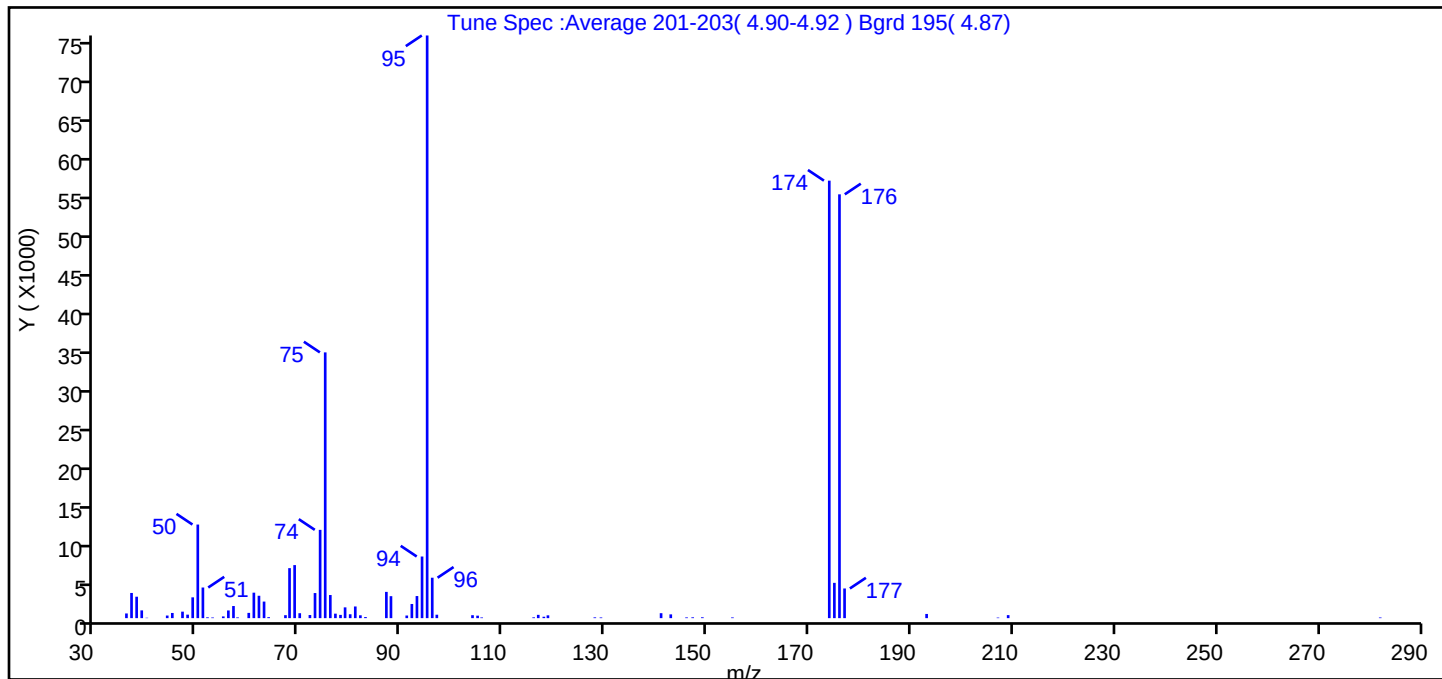
Units: uL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10T01.D
Injection Date: 10-Aug-2021 11:33:30 Instrument ID: 7159
Lims ID: bfb
Client ID:
Operator ID: jml01693
Injection Vol: 1.0 uL
Method: MSVoa_7159
Tune Method: BFB Method 1624

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: MSV - 8260C_D

\$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.1
75	30 to 60% of m/z 95	45.6
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	75.1
175	5 to 9% of m/z 174	6.1 (8.1)
176	Greater than 95% but less than 101% of m/z 174	72.7 (96.9)
177	5 to 9% of m/z 176	5.1 (7.0)

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10T01.D\MSVoa_7159.rslt\spectra.d
Injection Date: 10-Aug-2021 11:33:30
Spectrum: Tune Spec :Average 201-203(4.90-4.92) Bgrd 195(4.87)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 71

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	606	60.00	679	81.00	1507	119.00	363
37.00	3254	61.00	3290	82.00	369	128.00	99
38.00	2768	62.00	2891	83.00	139	129.00	88
39.00	1002	63.00	2140	87.00	3392	141.00	640
40.00	49	64.00	126	88.00	2838	143.00	488
44.00	337	67.00	383	91.00	340	146.00	95
45.00	668	68.00	6459	92.00	1829	147.00	107
47.00	839	69.00	6852	93.00	2854	149.00	111
48.00	452	70.00	637	94.00	7961	155.00	92
49.00	2687	72.00	403	95.00	75264	174.00	56512
50.00	12090	73.00	3241	96.00	5222	175.00	4559
51.00	3957	74.00	11405	97.00	443	176.00	54744
52.00	106	75.00	34328	104.00	381	177.00	3832
53.00	84	76.00	2986	105.00	321	193.00	542
55.00	222	77.00	579	106.00	88	207.00	72
56.00	993	78.00	420	116.00	102	209.00	390
57.00	1565	79.00	1392	117.00	426	282.00	84
58.00	94	80.00	503	118.00	180		

Report Date: 10-Aug-2021 18:53:22

Chrom Revision: 2.3 03-Aug-2021 10:08:16

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10T01.D

Injection Date: 10-Aug-2021 11:33:30

Instrument ID: 7159

Operator ID: jml01693

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

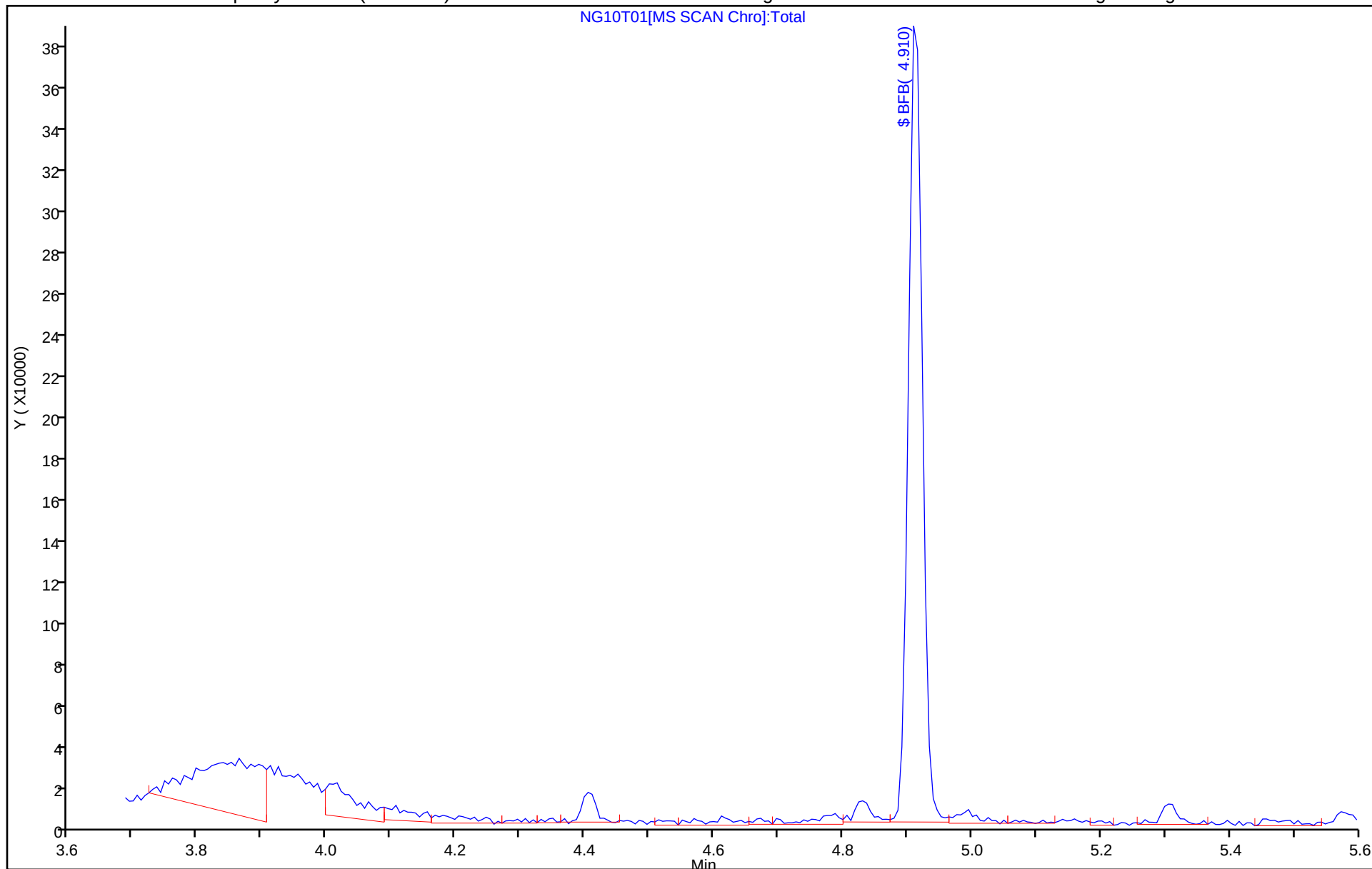
ALS Bottle#: 1

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06T08.D
 Lims ID: BFB
 Client ID:
 Sample Type: BFB
 Inject. Date: 06-Dec-2021 11:08:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: 410-0045588-001
 Misc. Info.: BFB
 Operator ID: LCP00895 Instrument ID: 7159
 Method: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 07-Dec-2021 07:09:15 Calib Date: 10-Aug-2021 14:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1606

First Level Reviewer: papel

Date: 07-Dec-2021 07:08:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 35 BFB	95	4.922	4.922	0.000	0	345984	NC	NC	a

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

MSV_V_BFB_00006

Amount Added: 1.00

Units: uL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06T08.D

Injection Date: 06-Dec-2021 11:08:30

Instrument ID: 7159

Lims ID: BFB

Client ID:

Operator ID: LCP00895

ALS Bottle#:

1

Worklist Smp#: 1

Injection Vol: 1.0 uL

Dil. Factor:

1.0000

Method: MSVoa_7159

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

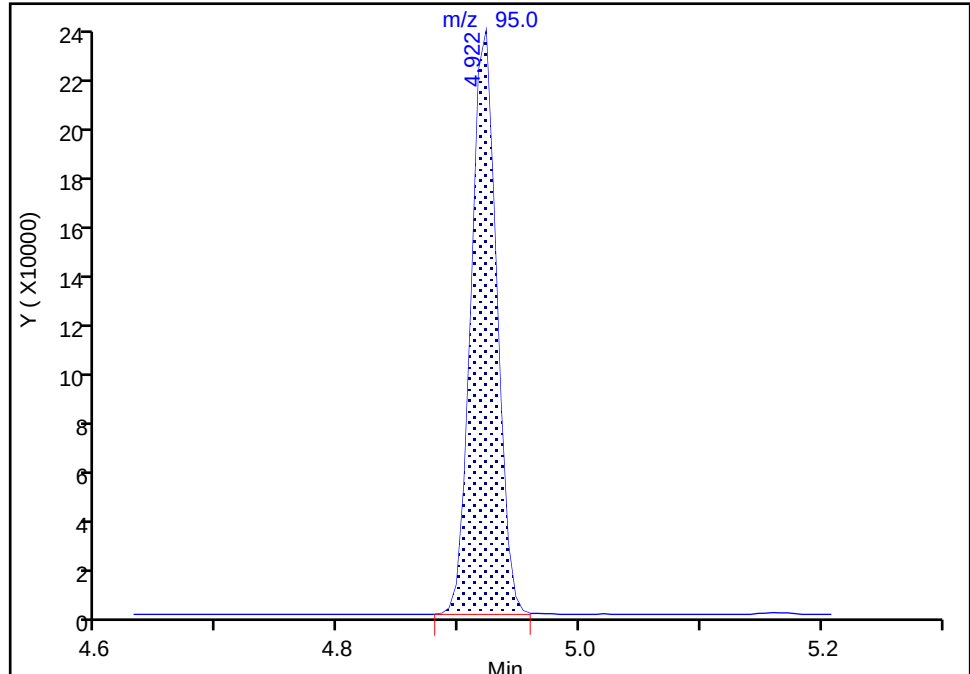
MS Quad

\$ 35 BFB, CAS: 460-00-4

Signal: 1

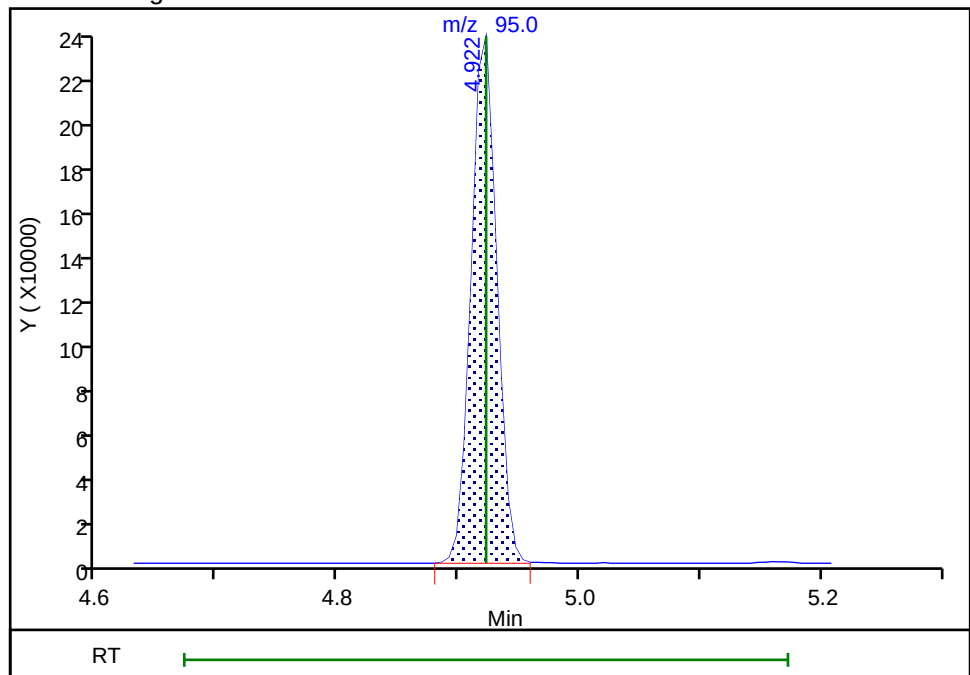
RT: 4.92
Area: 345984
Amount: 0
Amount Units: ug/l

Processing Integration Results



RT: 4.92
Area: 345984
Amount: 0
Amount Units: ug/l

Manual Integration Results



Reviewer: papel, 07-Dec-2021 07:08:46

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06T08.D

Injection Date: 06-Dec-2021 11:08:30

Instrument ID: 7159

Lims ID: BFB

Client ID:

Operator ID: LCP00895

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

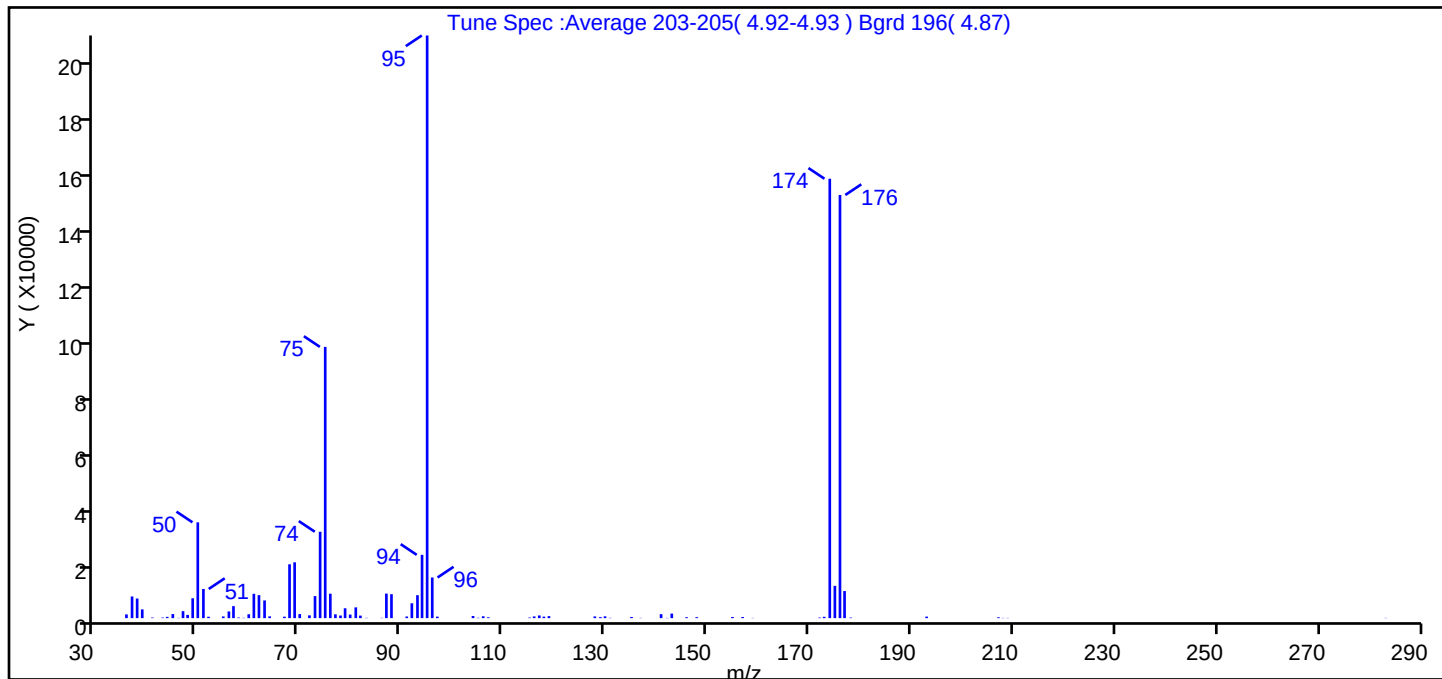
Dil. Factor: 1.0000

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Tune Method: BFB Method 8260

\$ 35 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.4
75	30 to 60% of m/z 95	46.6
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	0.2 (0.3)
174	50 to 120% of m/z 95	75.4
175	5 to 9% of m/z 174	5.5 (7.3)
176	Greater than 95% but less than 101% of m/z 174	72.6 (96.3)
177	5 to 9% of m/z 176	4.7 (6.4)

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06T08.D\MSVoa_7159.rslt\spectra.d
Injection Date: 06-Dec-2021 11:08:30
Spectrum: Tune Spec :Average 203-205(4.92-4.93) Bgrd 196(4.87)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 86

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1344	62.00	8242	91.00	591	141.00	1431
37.00	7769	63.00	6343	92.00	5325	142.00	84
38.00	7031	64.00	643	93.00	8221	143.00	1628
39.00	3146	67.00	527	94.00	22680	146.00	333
41.00	209	68.00	19296	95.00	208768	148.00	339
43.00	198	69.00	20000	96.00	14566	155.00	420
44.00	461	70.00	1455	97.00	538	157.00	410
45.00	1457	72.00	1009	104.00	774	159.00	83
46.00	86	73.00	7902	105.00	129	172.00	200
47.00	2491	74.00	30952	106.00	667	173.00	479
48.00	1165	75.00	97192	107.00	295	174.00	157440
49.00	7124	76.00	8753	115.00	205	175.00	11567
50.00	34336	77.00	1371	116.00	619	176.00	151616
51.00	10451	78.00	942	117.00	962	177.00	9710
52.00	499	79.00	3534	118.00	538	178.00	198
55.00	605	80.00	1280	119.00	720	193.00	553
56.00	2404	81.00	3860	128.00	614	207.00	299
57.00	4302	82.00	905	129.00	358	208.00	89
58.00	214	83.00	107	130.00	644	209.00	78
59.00	107	86.00	104	131.00	115	283.00	84
60.00	1391	87.00	8802	135.00	410		
61.00	8724	88.00	8587	137.00	90		

Report Date: 07-Dec-2021 07:09:15

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06T08.D

Injection Date: 06-Dec-2021 11:08:30

Instrument ID: 7159

Operator ID: LCP00895

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

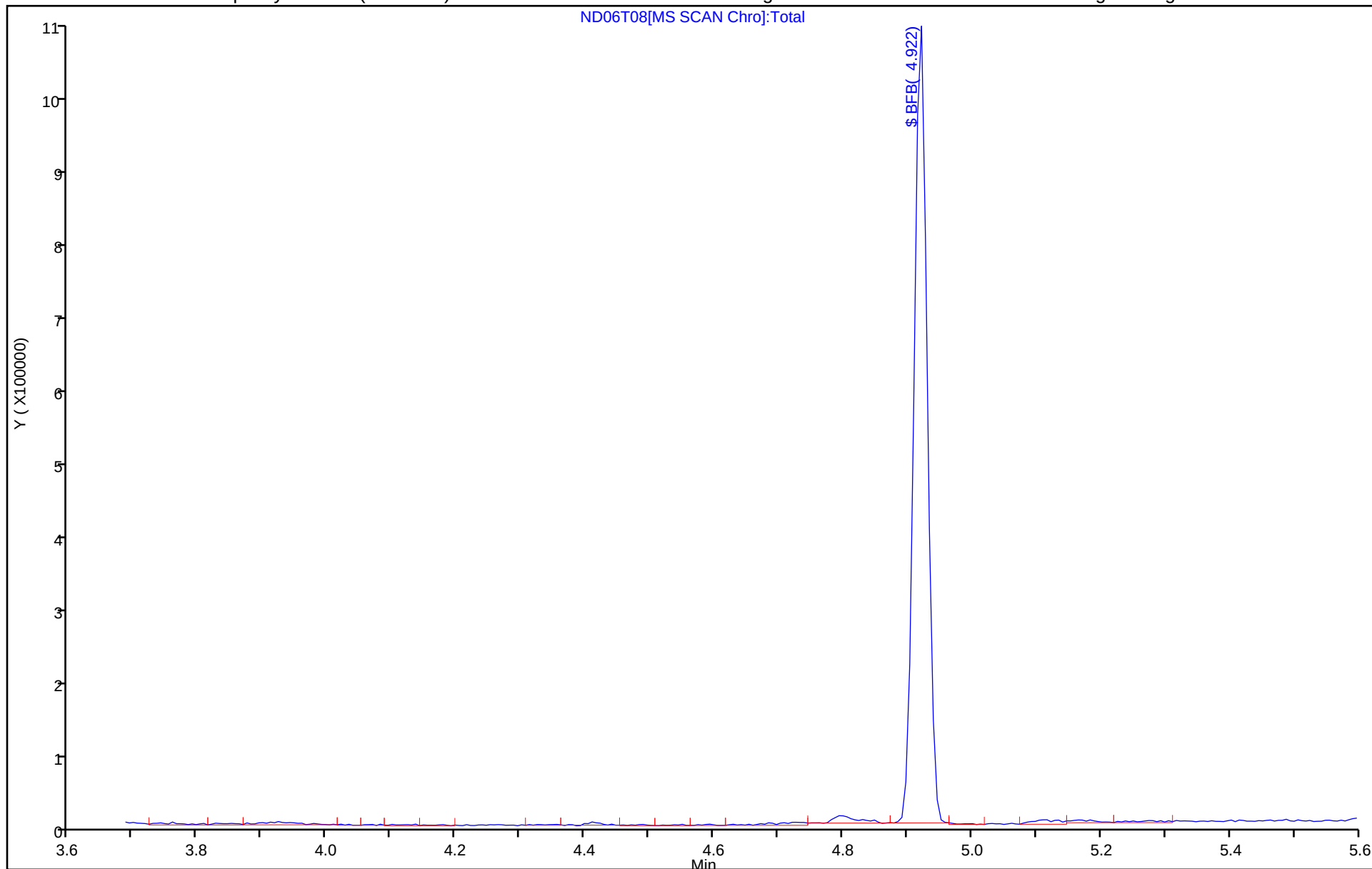
ALS Bottle#: 1

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 410-201735/6
 Matrix: Water Lab File ID: ND06X05.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 12/06/2021 13:27
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: R-624SilMS 30m ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 201735 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		20	0.70

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		80-120
460-00-4	4-Bromofluorobenzene (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		80-120
2037-26-5	Toluene-d8 (Surr)	112		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06X05.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 06-Dec-2021 13:27:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0045588-006
 Misc. Info.: MB
 Operator ID: LCP00895 Instrument ID: 7159
 Method: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Dec-2021 14:30:56 Calib Date: 10-Aug-2021 14:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: papel

Date: 06-Dec-2021 13:52:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Chlorotrifluoroethene	116		1.170					ND	
2 Chlorodifluoromethane	51		1.389					ND	
3 2-Chloro-1,1,1-Trifluoroethane	118		1.389					ND	
4 Ethyl ether	59		1.926					ND	
5 Dichlorodifluoromethane	85		2.031					ND	
6 Chloromethane	50		2.232					ND	
7 Acetonitrile	41		2.334					ND	
8 Vinyl chloride	62		2.353					ND	
9 Butadiene	39		2.365					ND	
10 Bromomethane	94		2.706					ND	
11 Chloroethane	64		2.797					ND	
12 Dichlorofluoromethane	67		3.041					ND	
13 Trichlorofluoromethane	101		3.114					ND	
14 Vinyl acetate	43		3.115					ND	
15 Pentane	43		3.162					ND	
16 Ethanol	45		3.229					ND	
17 1,2-Dichloro-1,1,2-trifluoroethane	67		3.454					ND	
18 Acrolein	56		3.552					ND	
19 Ethyl acetate	43		3.675					ND	
20 1,1-Dichloroethene	96		3.698					ND	
21 Acetone	58		3.716					ND	
22 112TCTFE	101		3.734					ND	
23 Isopropyl alcohol	45		3.850					ND	
24 Iodomethane	142		3.905					ND	
25 Carbon disulfide	76		4.020					ND	
26 Methyl acetate	43		4.160					ND	
27 3-Chloro-1-propene	41		4.197					ND	
* 29 t-Butyl alcohol-d10 (IS)	65	4.373	4.379	-0.006	41	329641	250.0	250.0	
28 Methylene Chloride	84		4.391					ND	
31 2-Methyl-2-propanol	59		4.519					ND	
30 Isopropyl acetate	43		4.535					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 Acrylonitrile	53		4.732					ND	
33 Methyl tert-butyl ether	73		4.805					ND	
34 trans-1,2-Dichloroethene	96		4.823					ND	
36 Hexane	57		5.243					ND	
37 1,1-Dichloroethane	63		5.480					ND	
38 n-Propyl acetate	61		5.529					ND	
39 Isopropyl ether	45		5.529					ND	
40 2-Chloro-1,3-butadiene	53		5.590					ND	
41 Tert-butyl ethyl ether	59		6.070					ND	
S 42 1,2-Dichloroethene, Total	100		6.155					ND	7
43 2-Butanone (MEK)	43		6.259					ND	
44 cis-1,2-Dichloroethene	96		6.308					ND	
45 2,2-Dichloropropane	77		6.320					ND	
46 Propionitrile	54		6.344					ND	
47 Methacrylonitrile	67		6.569					ND	
49 Tetrahydrofuran	71		6.642					ND	
48 Chlorobromomethane	128		6.648					ND	
50 Chloroform	83		6.794					ND	
\$ 51 Dibromofluoromethane (Surr)	113	7.001	7.013	-0.012	93	284279	50.0	48.8	
52 1,1,1-Trichloroethane	97		7.032					ND	
53 3,4-Dichloro-1-butene	75		7.108					ND	
54 Cyclohexane	56		7.129					ND	
56 1,1-Dichloropropene	75		7.238					ND	
55 Carbon tetrachloride	117		7.245					ND	
57 n-Butyl acetate	43		7.333					ND	
58 Isobutyl alcohol	41		7.354					ND	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.457	7.464	-0.007	82	78185	50.0	51.6	
60 Benzene	78		7.506					ND	
61 1,2-Dichloroethane	62		7.573					ND	7
62 Tert-amyl methyl ether	73		7.689					ND	
63 t-Amyl alcohol	73	7.895	7.895	0.000	1	8182		NC	
* 64 Fluorobenzene (IS)	96	7.901	7.908	-0.007	99	1210373	50.0	50.0	
65 n-Heptane	43		7.920					ND	
66 n-Butanol	56		8.242					ND	
67 Trichloroethene	95		8.388					ND	
68 Methylcyclohexane	83		8.705					ND	
70 1,2-Dichloropropane	63		8.723					ND	
69 2-ethoxy-2-methyl butane	87		8.729					ND	
71 Methyl methacrylate	69		8.796					ND	
72 1,4-Dioxane	88		8.808					ND	
73 cis-1,4-Dichloro-2-butene	88		8.833					ND	
74 Dibromomethane	93		8.838					ND	
75 Dichlorobromomethane	83		9.064					ND	
76 2,3,4-Trichlorobutene	109		9.296					ND	
77 2-Nitropropane	41		9.325					ND	
78 2-Chloroethyl vinyl ether	63		9.416					ND	
79 cis-1,3-Dichloropropene	75		9.599					ND	
80 4-Methyl-2-pentanone (MIBK)	43		9.763					ND	
\$ 81 Toluene-d8 (Surr)	98	9.903	9.909	-0.006	93	1251152	50.0	56.0	
82 Toluene	92		9.982					ND	
S 83 1,3-Dichloropropene, Total	100		10.060					ND	7
84 trans-1,3-Dichloropropene	75		10.232					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Ethyl methacrylate	69		10.286					ND	
86 1,1,2-Trichloroethane	97		10.432					ND	
87 Tetrachloroethene	166		10.524					ND	
88 1,3-Dichloropropane	76		10.590					ND	
89 2-Hexanone	43		10.633					ND	
90 Chlorodibromomethane	129		10.809					ND	
91 Ethylene Dibromide	107		10.919					ND	
S 92 Xylenes, Total	106		11.245					ND	7
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	86	896937	50.0	50.0	U
94 1-Chlorohexane	91		11.351					ND	
95 Chlorobenzene	112		11.375					ND	
96 1,1,1,2-Tetrachloroethane	131		11.454					ND	
97 Ethylbenzene	91		11.460					ND	
98 m-Xylene & p-Xylene	106		11.570					ND	
99 o-Xylene	106		11.898					ND	
100 Styrene	104		11.917					ND	
101 Bromoform	173		12.075					ND	
102 Isopropylbenzene	105		12.197					ND	
103 Cyclohexanone	55		12.276					ND	
\$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.343	-0.001	85	453635	50.0	50.5	
105 1,1,2,2-Tetrachloroethane	83		12.440					ND	
106 Bromobenzene	156		12.464					ND	
107 trans-1,4-Dichloro-2-butene	53		12.464					ND	
108 1,2,3-Trichloropropane	110		12.489					ND	
109 N-Propylbenzene	91		12.525					ND	
110 2-Chlorotoluene	126		12.604					ND	
111 1,3,5-Trimethylbenzene	105		12.665					ND	
112 4-Chlorotoluene	126		12.695					ND	
113 tert-Butylbenzene	134		12.902					ND	
114 Pentachloroethane	167		12.933					ND	
115 1,2,4-Trimethylbenzene	105		12.945					ND	
116 sec-Butylbenzene	105		13.066					ND	
117 1,3-Dichlorobenzene	146		13.170					ND	
118 4-Isopropyltoluene	119		13.176					ND	
* 119 1,4-Dichlorobenzene-d4	152	13.224	13.225	-0.001	96	475210	50.0	50.0	
120 1,4-Dichlorobenzene	146		13.243					ND	
121 1,2,3-Trimethylbenzene	105		13.255					ND	
122 Benzyl chloride	91		13.316					ND	7
123 1,3-Diethylbenzene	119		13.377					ND	
124 p-Diethylbenzene	119		13.450					ND	
125 n-Butylbenzene	92		13.468					ND	
126 1,2-Dichlorobenzene	146		13.505					ND	
127 o-diethylbenzene	119		13.523					ND	
128 Hexachloroethane	201		13.560					ND	
129 1,2-Dibromo-3-Chloropropane	75		14.046					ND	
130 1,3,5-Trichlorobenzene	180		14.174					ND	7
131 1,2,4-Trichlorobenzene	180		14.600					ND	
132 Hexachlorobutadiene	225		14.685					ND	
133 Naphthalene	128		14.782					ND	7
134 1,2,3-Trichlorobenzene	180		14.928					ND	7
135 2-Methylnaphthalene	142		15.585					ND	7
136 C4-C10	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
183 Propane TIC	1		0.000					ND	
182 Acetonitrile TIC	1		0.000					ND	
181 Ethyl ether TIC	1		0.000					ND	
198 Chlorodifluoromethane TIC	1		0.000					ND	
196 Chloroacetaldehyde TIC	1		0.000					ND	
195 2-Picoline (TIC)	1		0.000					ND	
184 2-Chloroethanol TIC	1		0.000					ND	
194 Epibromohydrin TIC	1		0.000					ND	
192 Malononitrile (TIC)	1		0.000					ND	
191 1-Chlorobutane TIC	1		0.000					ND	
190 Propionaldehyde TIC	1		0.000					ND	
189 2-Pentanone (TIC)	1		0.000					ND	
188 Bromoethane TIC	1		0.000					ND	
187 Nitrobenzene TIC	1		0.000					ND	
186 1,3-Dichlorobutene-2(total) TIC	1		0.000					ND	
193 Isooctane TIC	1		0.000					ND	
185 Hexachloroethane TIC	1		0.000					ND	
199 Vinyl acetate (TIC)	1		0.000					ND	
149 Propene oxide TIC	1		0.000					ND	
148 C5-C12	1		0.000					ND	
215 1-Bromo-2-chloroethane TIC	1		0.000					ND	
214 3-Chloro-1,2-propanediol TIC	1		0.000					ND	
213 Chloral hydrate (TIC)	1		0.000					ND	
212 Methanol TIC	1		0.000					ND	
211 2,3-Dibromopropene TIC	1		0.000					ND	
200 Allyl Alcohol TIC	1		0.000					ND	
210 Bromoacetone (TIC)	1		0.000					ND	
208 Ethylene oxide TIC	1		0.000					ND	
223 Diethoxymethane TIC	1		0.000					ND	
163 Methylal	1		0.000					ND	
205 Pentafluorobenzene TIC	1		0.000					ND	
204 n-butyl Acetate TIC	1		0.000					ND	
203 Epichlorohydrin TIC	1		0.000					ND	
202 1-Bromopropane TIC	1		0.000					ND	
209 Paraldehyde TIC	1		0.000					ND	
180 Propanol TIC	1		0.000					ND	
179 Monochloroacetic acid TIC	1		0.000					ND	
178 Propargyl alcohol TIC	1		0.000					ND	
201 Vinyl bromide TIC	1		0.000					ND	
216 Pentachloroethane TIC	1		0.000					ND	
147 1-Bromo-2-chloroethane	1		0.000					ND	
174 1-Methyl-2-pyrrolidinone TIC	1		0.000					ND	
146 C6-C12	1		0.000					ND	
143 3-chloro-1-Butene	1		0.000					ND	
142 C6-C10	1		0.000					ND	
141 Methyl acrylate	1		0.000					ND	
140 tert-Butyl Formate	1		0.000					ND	
139 1,3-Divinylbenzene	1		0.000					ND	
138 Ethyl bromide	1		0.000					ND	
137 Chloroacetonitrile	1		0.000					ND	
S 144 Total Diethylbenzene	1		0.000					ND	
156 1,4-Divinylbenzene	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
154 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
153 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
152 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
150 Diethoxymethane	1		0.000					ND	
157 1-Chlorobutane	1		0.000					ND	
158 C4-C12	1		0.000					ND	
177 2-Bromoethanol TIC	1		0.000					ND	
176 beta-Propiolactone TIC	1		0.000					ND	
165 1,1,2,2-Tetrachloro-1,2-difluoro1			0.000					ND	
155 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
173 1,3-Dichloro-2-propanol TIC	1		0.000					ND	
172 2,3-Dibromo-1-propanol TIC	1		0.000					ND	
171 N-Nitrosodi-n-butylamine TIC	1		0.000					ND	
170 1,2,3,4-Diepoxybutane (TIC)	1		0.000					ND	
169 Butane	1		0.000					ND	
168 Dodecane	57		0.000					ND	
167 n-Decane	57		0.000					ND	
166 Ethyl acrylate	55		0.000					ND	
206 2-Bromo-3-chloropropene TIC	1		0.000					ND	
207 Bis(2-chloroethyl)sulfide (TIC)	1		0.000					ND	
S 162 divinyl benzene	1		0.000					ND	7
161 1,3-Dichlorobutene-2(total)	1		0.000					ND	
160 Propene oxide	1		0.000					ND	
218 Ethanol TIC	1		0.000					ND	
219 o-toluidine TIC	1		0.000					ND	
S 220 Total BTEX	1		0.000					ND	
221 2-Methylbutane TIC	1		0.000					ND	
222 Tetranitromethane TIC	1		0.000					ND	
175 n-Propylamine (TIC)	1		0.000					ND	
224 Butane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP4_ISSS_00010

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 06-Dec-2021 14:31:04

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06X05.D

Injection Date: 06-Dec-2021 13:27:30

Instrument ID: 7159

Operator ID: LCP00895

Lims ID: MB

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

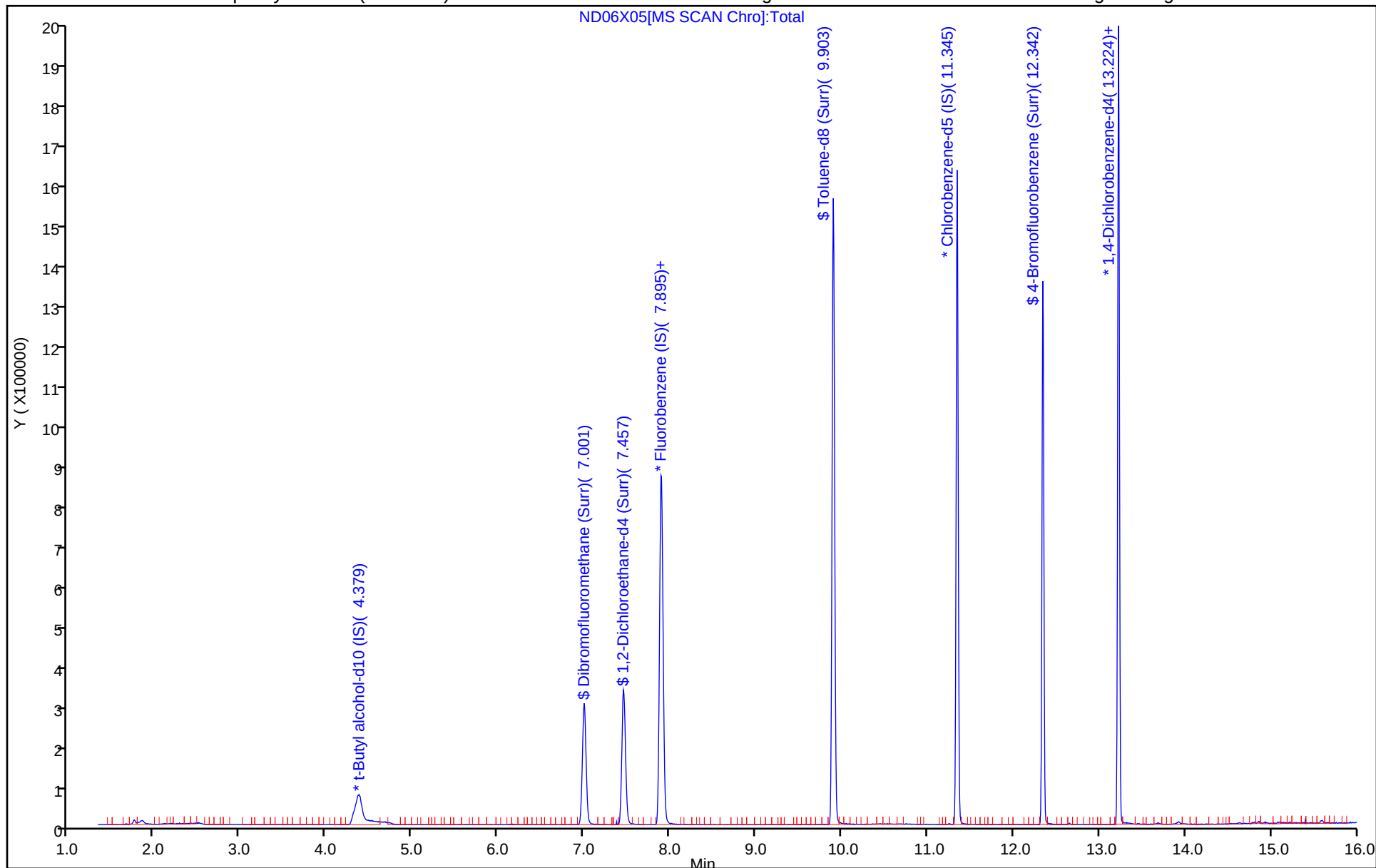
ALS Bottle#: 5

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 410-201735/4
 Matrix: Water Lab File ID: ND06L01.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 12/06/2021 13:50
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: R-624SilMS 30m ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 201735 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	247		20	0.70

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		80-120
2037-26-5	Toluene-d8 (Surr)	112		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06L01.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 06-Dec-2021 13:50:30 ALS Bottle#: 6 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0045588-004
 Misc. Info.: LCS
 Operator ID: LCP00895 Instrument ID: 7159
 Method: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\MSVoa_7159.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Dec-2021 14:30:56 Calib Date: 10-Aug-2021 14:49:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\7159\20210809-36390.b\NG10X09.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1665

First Level Reviewer: papel

Date: 06-Dec-2021 14:29:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 Dichlorodifluoromethane	85	2.019	2.031	-0.012	99	148525	20.0	17.0	
6 Chloromethane	50	2.219	2.232	-0.013	99	172852	20.0	18.2	
8 Vinyl chloride	62	2.335	2.353	-0.018	98	186887	20.0	18.9	
9 Butadiene	39	2.347	2.365	-0.018	89	160098	20.0	17.4	
10 Bromomethane	94	2.682	2.706	-0.024	90	125513	20.0	18.1	
11 Chloroethane	64	2.779	2.797	-0.018	99	113681	20.0	19.7	
12 Dichlorofluoromethane	67	3.022	3.041	-0.019	97	262034	20.0	20.0	
13 Trichlorofluoromethane	101	3.089	3.114	-0.025	96	216241	20.0	17.6	
15 Pentane	43	3.144	3.162	-0.018	97	275004	20.0	19.5	
16 Ethanol	45	3.235	3.229	0.006	89	106567	999.9	1134.4	
17 1,2-Dichloro-1,1,2-trifluoroetha	67	3.442	3.454	-0.012	93	176669	20.0	20.1	
18 Acrolein	56	3.533	3.552	-0.019	100	347161	150.3	132.3	
20 1,1-Dichloroethene	96	3.679	3.698	-0.019	98	131178	20.0	19.0	
21 Acetone	58	3.710	3.716	-0.006	100	270387	250.0	247.2	
22 112TCTFE	101	3.716	3.734	-0.018	93	135867	20.0	18.8	
23 Isopropyl alcohol	45	3.880	3.850	0.030	96	102084	150.0	134.5	
24 Iodomethane	142	3.892	3.905	-0.013	97	208800	20.0	16.9	
25 Carbon disulfide	76	4.008	4.020	-0.012	99	421505	20.0	17.9	
26 Methyl acetate	43	4.142	4.160	-0.018	97	154893	20.0	20.4	
27 3-Chloro-1-propene	41	4.178	4.197	-0.019	94	217131	20.0	18.3	
* 29 t-Butyl alcohol-d10 (IS)	65	4.367	4.379	-0.012	97	353260	250.0	250.0	
28 Methylene Chloride	84	4.379	4.391	-0.012	91	150437	20.0	19.6	
31 2-Methyl-2-propanol	59	4.501	4.519	-0.018	100	283230	200.0	190.1	
32 Acrylonitrile	53	4.707	4.732	-0.025	100	402476	100.0	103.7	
33 Methyl tert-butyl ether	73	4.787	4.805	-0.018	94	432789	20.0	19.1	
34 trans-1,2-Dichloroethene	96	4.811	4.823	-0.012	98	143456	20.0	18.8	
36 Hexane	57	5.225	5.243	-0.018	90	245328	20.0	19.7	
37 1,1-Dichloroethane	63	5.468	5.480	-0.012	96	259987	20.0	20.0	
39 Isopropyl ether	45	5.517	5.529	-0.012	94	452086	20.0	19.4	
40 2-Chloro-1,3-butadiene	53	5.577	5.590	-0.013	89	227979	20.0	19.8	
41 Tert-butyl ethyl ether	59	6.052	6.070	-0.018	98	458059	20.0	20.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 2-Butanone (MEK)	43	6.253	6.259	-0.006	99	1354993	250.0	239.8	
44 cis-1,2-Dichloroethene	96	6.295	6.308	-0.013	82	163278	20.0	19.2	
45 2,2-Dichloropropane	77	6.314	6.320	-0.006	88	222506	20.0	19.1	
46 Propionitrile	54	6.338	6.344	-0.006	99	265515	150.0	147.1	
47 Methacrylonitrile	67	6.563	6.569	-0.006	90	677236	150.0	152.3	
49 Tetrahydrofuran	71	6.642	6.642	0.000	82	164745	100.0	90.3	
48 Chlorobromomethane	128	6.636	6.648	-0.012	62	73973	20.0	18.8	
50 Chloroform	83	6.788	6.794	-0.006	93	249616	20.0	19.2	
\$ 51 Dibromofluoromethane (Surr)	113	7.001	7.013	-0.012	93	286591	50.0	48.5	
52 1,1,1-Trichloroethane	97	7.013	7.032	-0.019	98	220063	20.0	18.4	
54 Cyclohexane	56	7.123	7.129	-0.006	88	281803	20.0	19.3	
56 1,1-Dichloropropene	75	7.232	7.238	-0.006	98	217922	20.0	20.6	
55 Carbon tetrachloride	117	7.232	7.245	-0.013	81	181194	20.0	18.0	
58 Isobutyl alcohol	41	7.348	7.354	-0.006	96	232500	500.0	465.2	
\$ 59 1,2-Dichloroethane-d4 (Surr)	102	7.463	7.464	-0.001	95	77152	50.0	50.2	
60 Benzene	78	7.494	7.506	-0.012	96	635219	20.0	20.0	
61 1,2-Dichloroethane	62	7.567	7.573	-0.006	97	194169	20.0	20.2	
62 Tert-amyl methyl ether	73	7.682	7.689	-0.007	99	449147	20.0	20.0	
* 64 Fluorobenzene (IS)	96	7.901	7.908	-0.007	99	1227982	50.0	50.0	
65 n-Heptane	43	7.914	7.920	-0.006	90	219041	20.0	18.9	
66 n-Butanol	56	8.242	8.242	0.000	87	425466	1000.0	1005.2	
67 Trichloroethene	95	8.382	8.388	-0.006	99	153708	20.0	18.8	
68 Methylcyclohexane	83	8.698	8.705	-0.007	94	305593	20.0	19.4	
70 1,2-Dichloropropane	63	8.717	8.723	-0.006	71	163666	20.0	20.7	
69 2-ethoxy-2-methyl butane	87	8.723	8.729	-0.006	90	240191	20.0	19.4	
71 Methyl methacrylate	69	8.790	8.796	-0.006	91	139264	20.0	18.7	
72 1,4-Dioxane	88	8.802	8.808	-0.006	39	49960	500.0	576.7	
74 Dibromomethane	93	8.832	8.838	-0.006	94	92423	20.0	19.3	
75 Dichlorobromomethane	83	9.063	9.064	-0.001	100	185362	20.0	18.8	
77 2-Nitropropane	41	9.319	9.325	-0.006	97	49462	20.0	15.1	
78 2-Chloroethyl vinyl ether	63	9.410	9.416	-0.006	91	117733	20.0	19.5	
79 cis-1,3-Dichloropropene	75	9.599	9.599	0.000	97	250985	20.0	19.3	
80 4-Methyl-2-pentanone (MIBK)	43	9.757	9.763	-0.006	95	2675478	250.0	239.9	
\$ 81 Toluene-d8 (Surr)	98	9.903	9.909	-0.006	93	1281146	50.0	55.9	
82 Toluene	92	9.982	9.982	0.000	98	404260	20.0	21.2	
84 trans-1,3-Dichloropropene	75	10.225	10.232	-0.007	91	235586	20.0	21.7	
85 Ethyl methacrylate	69	10.280	10.286	-0.006	89	234308	20.0	20.6	
86 1,1,2-Trichloroethane	97	10.432	10.432	0.000	89	141332	20.0	21.5	
87 Tetrachloroethene	166	10.523	10.524	-0.001	95	150698	20.0	19.5	
88 1,3-Dichloropropane	76	10.590	10.590	0.000	89	244520	20.0	22.3	
89 2-Hexanone	43	10.633	10.633	0.000	95	2096948	250.0	271.4	
90 Chlorodibromomethane	129	10.809	10.809	0.000	90	139817	20.0	19.4	
91 Ethylene Dibromide	107	10.919	10.919	0.000	98	143415	20.0	20.1	
* 93 Chlorobenzene-d5 (IS)	117	11.345	11.345	0.000	87	920524	50.0	50.0	
94 1-Chlorohexane	91	11.351	11.351	0.000	96	231805	20.0	19.6	
95 Chlorobenzene	112	11.369	11.375	-0.006	95	430101	20.0	20.7	
96 1,1,1,2-Tetrachloroethane	131	11.454	11.454	0.000	96	142005	20.0	19.8	
97 Ethylbenzene	91	11.454	11.460	-0.006	98	786946	20.0	21.2	
98 m-Xylene & p-Xylene	106	11.570	11.570	0.000	99	607814	40.0	41.2	
99 o-Xylene	106	11.898	11.898	0.000	96	296050	20.0	20.6	
100 Styrene	104	11.916	11.917	-0.001	94	488197	20.0	20.3	
101 Bromoform	173	12.075	12.075	0.000	96	93486	20.0	18.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
102 Isopropylbenzene	105	12.196	12.197	-0.001	96	781531	20.0	20.9	
103 Cyclohexanone	55	12.275	12.276	-0.001	91	175680	500.0	486.5	
\$ 104 4-Bromofluorobenzene (Surr)	95	12.342	12.343	-0.001	86	461151	50.0	50.1	
105 1,1,2,2-Tetrachloroethane	83	12.440	12.440	0.000	94	225933	20.0	22.3	
106 Bromobenzene	156	12.464	12.464	0.000	73	168370	20.0	20.4	
107 trans-1,4-Dichloro-2-butene	53	12.464	12.464	0.000	90	359422	100.0	107.3	
108 1,2,3-Trichloropropane	110	12.488	12.489	-0.001	82	65722	20.0	20.6	
109 N-Propylbenzene	91	12.525	12.525	0.000	99	943388	20.0	22.1	
110 2-Chlorotoluene	126	12.604	12.604	0.000	96	179396	20.0	20.8	
111 1,3,5-Trimethylbenzene	105	12.659	12.665	-0.006	93	654802	20.0	21.5	
112 4-Chlorotoluene	126	12.695	12.695	0.000	98	185479	20.0	21.3	
113 tert-Butylbenzene	134	12.908	12.902	0.006	93	132969	20.0	21.1	
115 1,2,4-Trimethylbenzene	105	12.945	12.945	0.000	98	668320	20.0	21.5	
116 sec-Butylbenzene	105	13.066	13.066	0.000	94	847822	20.0	22.6	
117 1,3-Dichlorobenzene	146	13.170	13.170	0.000	96	334112	20.0	20.5	
118 4-Isopropyltoluene	119	13.176	13.176	0.000	97	708932	20.0	21.7	
* 119 1,4-Dichlorobenzene-d4	152	13.224	13.225	-0.001	96	478779	50.0	50.0	
120 1,4-Dichlorobenzene	146	13.243	13.243	0.000	94	342839	20.0	20.7	
121 1,2,3-Trimethylbenzene	105	13.255	13.255	0.000	98	656813	20.0	20.9	
122 Benzyl chloride	91	13.316	13.316	0.000	98	472201	20.0	20.2	
123 1,3-Diethylbenzene	119	13.377	13.377	0.000	95	416631	20.0	21.1	
124 p-Diethylbenzene	119	13.450	13.450	0.000	93	437924	20.0	21.2	
125 n-Butylbenzene	92	13.468	13.468	0.000	97	374188	20.0	22.9	
126 1,2-Dichlorobenzene	146	13.504	13.505	0.000	97	321052	20.0	20.9	
127 o-diethylbenzene	119	13.523	13.523	0.000	96	345412	20.0	21.0	
129 1,2-Dibromo-3-Chloropropane	75	14.046	14.046	0.000	85	50673	20.0	19.9	
130 1,3,5-Trichlorobenzene	180	14.174	14.174	0.000	97	222838	20.0	21.1	
131 1,2,4-Trichlorobenzene	180	14.599	14.600	-0.001	94	196619	20.0	21.0	
132 Hexachlorobutadiene	225	14.685	14.685	0.000	98	77371	20.0	20.4	
133 Naphthalene	128	14.782	14.782	0.000	97	689301	20.0	19.6	
134 1,2,3-Trichlorobenzene	180	14.928	14.928	0.000	95	181600	20.0	20.5	
135 2-Methylnaphthalene	142	15.585	15.585	0.000	92	338050	20.0	18.1	

QC Flag Legend

Processing Flags

Reagents:

MSV_LCS_Gases_00057	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00033	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00035	Amount Added: 50.00	Units: uL	
MSV_LCS_VOC#1_00030	Amount Added: 50.00	Units: uL	
MSV_LCS_ETOH_00001	Amount Added: 50.00	Units: uL	
MSV_QCYC_00006	Amount Added: 50.00	Units: uL	
MSV_HP4_ISSS_00010	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 06-Dec-2021 14:31:02

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\7159\20211206-45588.b\ND06L01.D

Injection Date: 06-Dec-2021 13:50:30

Instrument ID: 7159

Operator ID: LCP00895

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

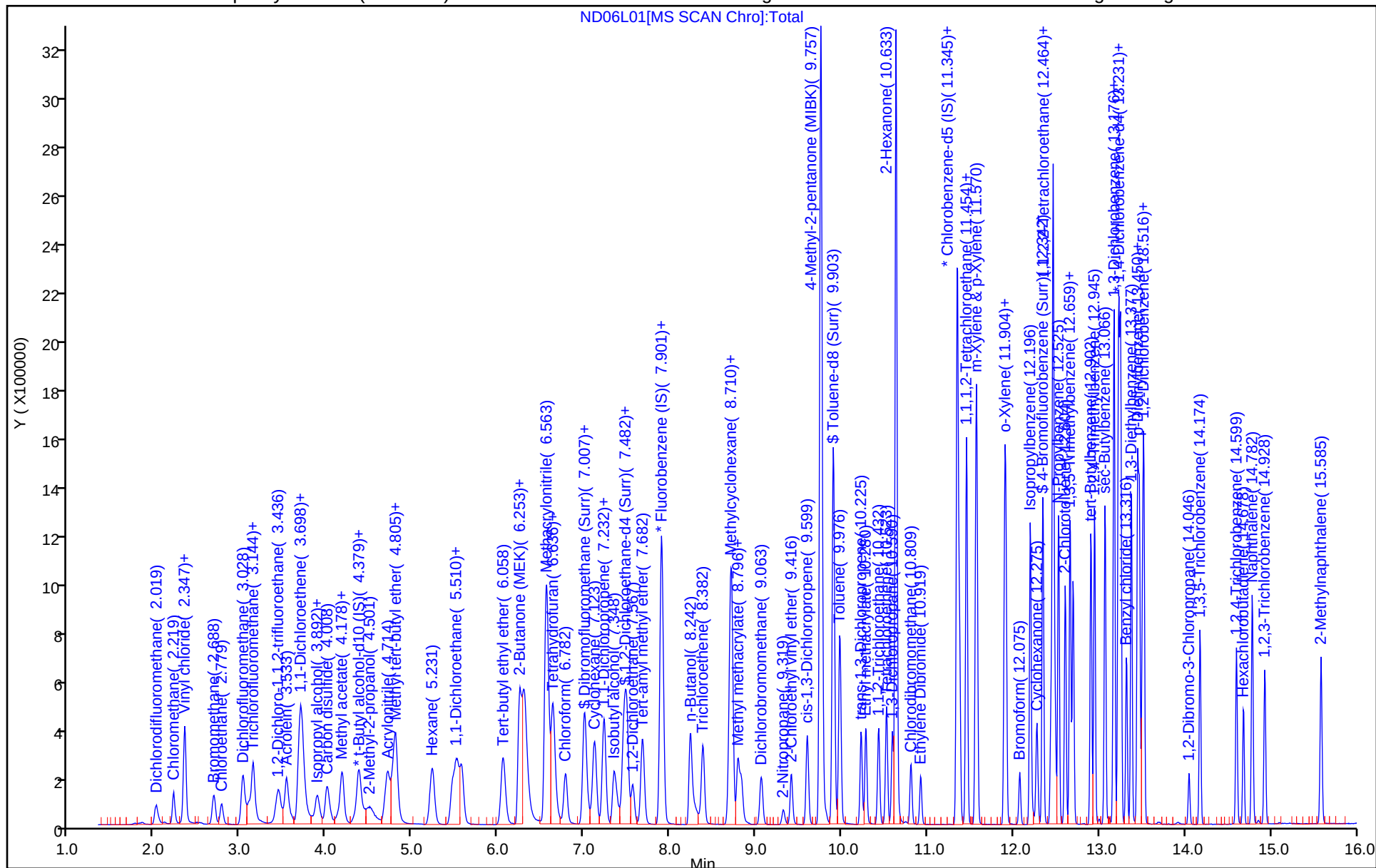
ALS Bottle#: 6

Method: MSVoa_7159

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1

SDG No.: _____

Instrument ID: 7159Start Date: 08/10/2021 11:33Analysis Batch Number: 158203End Date: 08/10/2021 15:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-158203/1		08/10/2021 11:33	1	NG10T01.D	R-624SilMS 30m 0.25 (mm)
IC 410-158203/3		08/10/2021 12:30	1	NG10X03.D	R-624SilMS 30m 0.25 (mm)
IC 410-158203/4		08/10/2021 12:53	1	NG10X04.D	R-624SilMS 30m 0.25 (mm)
ICIS 410-158203/5		08/10/2021 13:17	1	NG10X05.D	R-624SilMS 30m 0.25 (mm)
IC 410-158203/6		08/10/2021 13:40	1	NG10X06.D	R-624SilMS 30m 0.25 (mm)
IC 410-158203/7		08/10/2021 14:03	1	NG10X07.D	R-624SilMS 30m 0.25 (mm)
IC 410-158203/8		08/10/2021 14:26	1	NG10X08.D	R-624SilMS 30m 0.25 (mm)
IC 410-158203/9		08/10/2021 14:49	1	NG10X09.D	R-624SilMS 30m 0.25 (mm)
ICV 410-158203/11		08/10/2021 15:35	1	NG10X11.D	R-624SilMS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1

SDG No.: _____

Instrument ID: 7159Start Date: 12/06/2021 11:08Analysis Batch Number: 201735End Date: 12/06/2021 23:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-201735/1		12/06/2021 11:08	1	ND06T08.D	R-624SilMS 30m 0.25 (mm)
CCVIS 410-201735/3		12/06/2021 12:18	1	ND06X02.D	R-624SilMS 30m 0.25 (mm)
MB 410-201735/6		12/06/2021 13:27	1	ND06X05.D	R-624SilMS 30m 0.25 (mm)
LCS 410-201735/4		12/06/2021 13:50	1	ND06L01.D	R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/06/2021 14:42	20		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/06/2021 15:05	2		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/06/2021 15:28	2		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/06/2021 15:51	2		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/06/2021 18:10	20		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/06/2021 18:33	20		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/06/2021 18:56	20		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/06/2021 19:19	20		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/06/2021 20:28	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/06/2021 20:51	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/06/2021 21:14	2		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/06/2021 21:37	20		R-624SilMS 30m 0.25 (mm)
410-63553-2	Low Range VOC PT Lot #111021	12/06/2021 22:46	5	ND06X28.D	R-624SilMS 30m 0.25 (mm)
410-63553-1	High Range VOC PT Lot #111021	12/06/2021 23:09	5	ND06X29.D	R-624SilMS 30m 0.25 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-63553-1

SDG No.: _____

Batch Number: 158203 Batch Start Date: 08/10/21 11:33Batch Analyst: Long, Jason MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_4ppbEtOH 00231	MSV_CCV_2CEVE 00013	MSV_CCV_GASES 00053
BFB 410-158203/1		8260C		1 uL	1 uL				
IC 410-158203/3		8260C		5 mL	5 mL	2602		15 uL	7.5 uL
IC 410-158203/4		8260C		5 mL	5 mL	2602		5 uL	2.5 uL
ICIS 410-158203/5		8260C		5 mL	5 mL	2602		5 uL	
IC 410-158203/6		8260C		5 mL	5 mL	2602		4 uL	2 uL
IC 410-158203/7		8260C		5 mL	5 mL	2602		2 uL	1 uL
IC 410-158203/8		8260C		5 mL	5 mL	2602		4 uL	2 uL
IC 410-158203/9		8260C		5 mL	5 mL	2602	12.5 mL		
ICV 410-158203/11		8260C		5 mL	5 mL	2602			

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_CCV_GASES 00056	MSV_CCV_VOC#1 00014	MSV_CCV_VOC#3 00013	MSV_Cent_ISSS 00001	MSV_LCS_2CEVE 00014	MSV_LCS_ACROL 00015
BFB 410-158203/1		8260C							
IC 410-158203/3		8260C			15 uL	12 uL	5 uL		
IC 410-158203/4		8260C			5 uL	4 uL	5 uL		
ICIS 410-158203/5		8260C		2.5 uL	5 uL	4 uL	5 uL		
IC 410-158203/6		8260C			4 uL	3.2 uL	5 uL		
IC 410-158203/7		8260C			2 uL	1.6 uL	5 uL		
IC 410-158203/8		8260C			4 uL	3.2 uL	5 uL		
IC 410-158203/9		8260C					5 uL		
ICV 410-158203/11		8260C					5 uL	50 uL	50 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_Gases 00024	MSV_LCS_VOC#1 00013	MSV_Q_ETOH 00009	MSV_QCYC 00005	MSV_V_BFB 00006	MSV_V_ETOH 00012
BFB 410-158203/1		8260C						1 uL	
IC 410-158203/3		8260C							30 uL
IC 410-158203/4		8260C							10 uL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260C

Page 1 of 2

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-63553-1

SDG No.: _____

Batch Number: 158203 Batch Start Date: 08/10/21 11:33 Batch Analyst: Long, Jason MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_Gases 00024	MSV_LCS_VOC#1 00013	MSV_Q_ETOH 00009	MSV_QCYC 00005	MSV_V_BFB 00006	MSV_V_ETOH 00012
ICIS 410-158203/5		8260C							10 uL
IC 410-158203/6		8260C							16 uL
IC 410-158203/7		8260C							8 uL
IC 410-158203/8		8260C							20 uL
IC 410-158203/9		8260C							
ICV 410-158203/11		8260C		50 uL	50 uL	50 uL	50 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_VOA2 00099	MSV_VCYC 00006				
BFB 410-158203/1		8260C							
IC 410-158203/3		8260C			30 uL				
IC 410-158203/4		8260C			10 uL				
ICIS 410-158203/5		8260C			10 uL				
IC 410-158203/6		8260C		4 uL	16 uL				
IC 410-158203/7		8260C		2 uL	8 uL				
IC 410-158203/8		8260C		12 uL	32 uL				
IC 410-158203/9		8260C							
ICV 410-158203/11		8260C							

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260C

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-63553-1

SDG No.: _____

Batch Number: 201735 Batch Start Date: 12/06/21 11:08 Batch Analyst: Johnson, Sara EBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_CCV_2CEVE 00037	MSV_CCV_ETOH 00001	MSV_CCV_GASES 00112
BFB 410-201735/1		8260C		1 uL	1 uL				
CCVIS 410-201735/3		8260C		5 mL	5 mL	2617	5 uL	10 uL	2.5 uL
LCS 410-201735/4		8260C		5 mL	5 mL	2617			
MB 410-201735/6		8260C		5 mL	5 mL	2617			
410-63553-A-2	Low Range VOC PT Lot #111021	8260C	T	5 mL	5 mL				
410-63553-A-1	High Range VOC PT Lot #111021	8260C	T	5 mL	5 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_CCV_VOC#1 00040	MSV_CCV_VOC#3 00039	MSV_Cent_ISSS 00004	MSV_HP4_ISSS 00010	MSV_LCS_2CEVE 00035	MSV_LCS_ACROL 00033
BFB 410-201735/1		8260C							
CCVIS 410-201735/3		8260C		5 uL	4 uL		1 uL		
LCS 410-201735/4		8260C					1 uL	50 uL	50 uL
MB 410-201735/6		8260C					1 uL		
410-63553-A-2	Low Range VOC PT Lot #111021	8260C	T			5 uL			
410-63553-A-1	High Range VOC PT Lot #111021	8260C	T			5 uL			

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_ETOH 00001	MSV_LCS_Gases 00057	MSV_LCS_VOC#1 00030	MSV_QCYC 00006	MSV_V_BFB 00006	MSV_VCYC 00007
BFB 410-201735/1		8260C						1 uL	
CCVIS 410-201735/3		8260C							10 uL
LCS 410-201735/4		8260C		50 uL	50 uL	50 uL	50 uL		
MB 410-201735/6		8260C							
410-63553-A-2	Low Range VOC PT Lot #111021	8260C	T						
410-63553-A-1	High Range VOC PT Lot #111021	8260C	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260C

Page 1 of 2

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-63553-1

SDG No.: _____

Batch Number: 201735 Batch Start Date: 12/06/21 11:08 Batch Analyst: Johnson, Sara EBatch Method: 8260C Batch End Date: _____

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8015D DAI

Nonhalogenated Organic Compounds
(Direct Injection GC) by Method
8015D

FORM II
GC VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-63553-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): RTX200 ID: _____ GC Column (2): SP1000 _____

Client Sample ID	Lab Sample ID	Acetone1#	Acetone2#
High Range VOC PT Lot #111021	410-63553-1	108	92
Low Range VOC PT Lot #111021	410-63553-2	101	95
Low Range VOC PT Lot #111021 DL	410-63553-2 DL	98 cn	92 cn
	MB 410-199643/1-A	99	95
	MB 410-200611/1-A	83	84
	LCS 410-199643/2-A	93	95
	LCS 410-200611/2-A	91	84
	LCSD 410-200611/3-A	93	85

Acetone = Acetone

QC LIMITS
58-149

Column to be used to flag recovery values

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Env, LLC

Job No.: 410-63553-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: 272021_11_30.0021.D

Lab ID: LCS 410-199643/2-A

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Ethanol	2500	2540	102	74-134	
Methanol	2510	2580	103	74-134	

Column to be used to flag recovery and RPD values

FORM III
GC VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories
Env, LLC

Job No.: 410-63553-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: 272021_12_3.0019.D

Lab ID: LCS 410-200611/2-A

Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Ethanol	2500	2390	96	74-134	
Methanol	2510	2400	96	74-134	

Column to be used to flag recovery and RPD values

FORM III

Lab Name: Eurofins Lancaster Laboratories
Env, LLC

Job No.: 410-63553-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 272021_12_3.0020.D

Lab ID: LCSD 410-200611/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	%	QC LIMITS		#
					RPD	REC	
Ethanol	2500	2600	104	8	30	74-134	
Methanol	2510	2650	106	10	30	74-134	

```
# Column to be used to flag recovery and RPD values
```

FORM III 8015D

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: MB 410-199643/1-A
Matrix: Water Date Extracted: 11/30/2021 11:37
Lab File ID: (1) 272021_11_30.0020.D Lab File ID: (2) 272021_11_30.0020.D
Date Analyzed: (1) 11/30/2021 16:18 Date Analyzed: (2) 11/30/2021 16:18
Instrument ID: (1) 2739 Instrument ID: (2) 2739
GC Column: (1) RTX200 ID: _____ GC Column: (2) SP1000 ID: _____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 410-199643/2-A	11/30/2021 16:37	11/30/2021 16:37
Low Range VOC PT Lot #111021 DL	410-63553-2 DL	11/30/2021 17:32	11/30/2021 17:32

FORM IV
GC VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-63553-1
 SDG No.: _____
 Lab Sample ID: MB 410-200611/1-A
 Matrix: Water Date Extracted: 12/02/2021 08:34
 Lab File ID: (1) 272021_12_3.0018.D Lab File ID: (2) 272021_12_3.0018.D
 Date Analyzed: (1) 12/03/2021 16:19 Date Analyzed: (2) 12/03/2021 16:19
 Instrument ID: (1) 2739 Instrument ID: (2) 2739
 GC Column: (1) RTX200 ID: _____ GC Column: (2) SP1000 ID: _____

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 410-200611/2-A	12/03/2021 16:37	12/03/2021 16:37
	LCSD 410-200611/3-A	12/03/2021 16:56	12/03/2021 16:56
High Range VOC PT Lot #111021	410-63553-1	12/03/2021 18:30	12/03/2021 18:30
Low Range VOC PT Lot #111021	410-63553-2	12/03/2021 18:48	12/03/2021 18:48

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
 SDG No.: _____
 Sample No.: ICRT 410-199563/8 Date Analyzed: 11/30/2021 12:33
 Instrument ID: 2739 GC Column: RTX200 ID: _____
 Lab File ID (Standard): 272021_11_30.0008.D Heated Purge: (Y/N) N
 Calibration ID: 33570

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				Acetone		
				RT #		
INITIAL CALIBRATION SURROGATE				0.97		
UPPER LIMIT				1.00		
LOWER LIMIT				0.94		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 410-199563/8		11/30/2021 12:33	272021_11_30.0008.D	0.97		
ICV 410-199563/13		11/30/2021 14:07	272021_11_30.0013.D	0.97		
CCV 410-199563/19		11/30/2021 15:59	272021_11_30.0019.D	0.96		
MB 410-199643/1-A		11/30/2021 16:18	272021_11_30.0020.D	0.97		
LCS 410-199643/2-A		11/30/2021 16:37	272021_11_30.0021.D	0.97		
410-63553-2 DL	Low Range VOC PT Lot #111021 DL	11/30/2021 17:32	272021_11_30.0024.D	0.97		
CCV 410-199563/26		11/30/2021 18:10	272021_11_30.0026.D	0.97		

Acetone = Acetone

Acetone RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
 SDG No.: _____
 Sample No.: ICRT 410-199563/8 Date Analyzed: 11/30/2021 12:33
 Instrument ID: 2739 GC Column: SP1000 ID: _____
 Lab File ID (Standard): 272021_11_30.0008.D Heated Purge: (Y/N) N
 Calibration ID: 33571

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				Acetone		
				RT #		
INITIAL CALIBRATION SURROGATE				2.62		
UPPER LIMIT				2.65		
LOWER LIMIT				2.59		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 410-199563/8		11/30/2021 12:33	272021_11_30.0008.D	2.62		
ICV 410-199563/13		11/30/2021 14:07	272021_11_30.0013.D	2.63		
CCV 410-199563/19		11/30/2021 15:59	272021_11_30.0019.D	2.62		
MB 410-199643/1-A		11/30/2021 16:18	272021_11_30.0020.D	2.62		
LCS 410-199643/2-A		11/30/2021 16:37	272021_11_30.0021.D	2.62		
410-63553-2 DL	Low Range VOC PT Lot #111021 DL	11/30/2021 17:32	272021_11_30.0024.D	2.62		
CCV 410-199563/26		11/30/2021 18:10	272021_11_30.0026.D	2.62		

Acetone = Acetone

Acetone RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
 SDG No.: _____
 Sample No.: ICRT 410-201167/8 Date Analyzed: 12/03/2021 14:26
 Instrument ID: 2739 GC Column: RTX200 ID: _____
 Lab File ID (Standard): 272021_12_3.0012.D Heated Purge: (Y/N) N
 Calibration ID: 33640

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				Acetone		
				RT #		
INITIAL CALIBRATION SURROGATE				0.96		
UPPER LIMIT				0.99		
LOWER LIMIT				0.93		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 410-201167/8		12/03/2021 14:26	272021_12_3.001 2.D	0.96		
ICV 410-201167/13		12/03/2021 16:00	272021_12_3.001 7.D	0.96		
MB 410-200611/1-A		12/03/2021 16:19	272021_12_3.001 8.D	0.96		
LCS 410-200611/2-A		12/03/2021 16:37	272021_12_3.001 9.D	0.96		
LCSD 410-200611/3-A		12/03/2021 16:56	272021_12_3.002 0.D	0.95		
CCV 410-201167/20		12/03/2021 18:11	272021_12_3.002 4.D	0.96		
410-63553-1	High Range VOC PT Lot #111021	12/03/2021 18:30	272021_12_3.002 5.D	0.95		
410-63553-2	Low Range VOC PT Lot #111021	12/03/2021 18:48	272021_12_3.002 6.D	0.96		
CCV 410-201167/25		12/03/2021 19:44	272021_12_3.002 9.D	0.96		

Acetone = Acetone

Acetone RT Limit = $\pm$ 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
 SDG No.: _____
 Sample No.: ICRT 410-201167/8 Date Analyzed: 12/03/2021 14:26
 Instrument ID: 2739 GC Column: SP1000 ID: _____
 Lab File ID (Standard): 272021_12_3.0012.D Heated Purge: (Y/N) N
 Calibration ID: 33641

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				Acetone		
				RT #		
INITIAL CALIBRATION SURROGATE				2.59		
UPPER LIMIT				2.62		
LOWER LIMIT				2.56		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 410-201167/8		12/03/2021 14:26	272021_12_3.001 2.D	2.59		
ICV 410-201167/13		12/03/2021 16:00	272021_12_3.001 7.D	2.58		
MB 410-200611/1-A		12/03/2021 16:19	272021_12_3.001 8.D	2.58		
LCS 410-200611/2-A		12/03/2021 16:37	272021_12_3.001 9.D	2.58		
LCSD 410-200611/3-A		12/03/2021 16:56	272021_12_3.002 0.D	2.58		
CCV 410-201167/20		12/03/2021 18:11	272021_12_3.002 4.D	2.59		
410-63553-1	High Range VOC PT Lot #111021	12/03/2021 18:30	272021_12_3.002 5.D	2.58		
410-63553-2	Low Range VOC PT Lot #111021	12/03/2021 18:48	272021_12_3.002 6.D	2.59		
CCV 410-201167/25		12/03/2021 19:44	272021_12_3.002 9.D	2.58		

Acetone = Acetone

Acetone RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1

SDG No.: _____

Client Sample ID: High Range VOC PT Lot #11 Lab Sample ID: 410-63553-1

Instrument ID (1): 2739 Instrument ID (2): 2739

Date Analyzed (1): 12/03/2021 18:30 Date Analyzed (2): 12/03/2021 18:30

GC Column (1): RTX200 ID: _____ GC Column (2): SP1000 ID: _____

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Methanol	1		0.34	0.31	0.37	750		24.6
	2		0.71	0.69	0.75	580		
Ethanol	1		0.44	0.41	0.47	900		55.2
	2		1.63	1.61	1.67	510		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 410-199643/2-A

Instrument ID (1): 2739 Instrument ID (2): 2739

Date Analyzed (1): 11/30/2021 16:37 Date Analyzed (2): 11/30/2021 16:37

GC Column (1): RTX200 ID: _____ GC Column (2): SP1000 ID: _____

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Methanol	1		0.34	0.31	0.37	2300		11.7
	2		0.72	0.69	0.75	2580		
Ethanol	1		0.44	0.41	0.47	2360		7.2
	2		1.64	1.62	1.68	2540		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 410-200611/2-A

Instrument ID (1): 2739 Instrument ID (2): 2739

Date Analyzed (1): 12/03/2021 16:37 Date Analyzed (2): 12/03/2021 16:37

GC Column (1): RTX200 ID: _____ GC Column (2): SP1000 ID: _____

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Methanol	1		0.34	0.31	0.37	2820		16.1
	2		0.71	0.69	0.75	2400		
Ethanol	1		0.44	0.41	0.47	2520		5.4
	2		1.63	1.61	1.67	2390		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCSD 410-200611/3-A

Instrument ID (1): 2739 Instrument ID (2): 2739

Date Analyzed (1): 12/03/2021 16:56 Date Analyzed (2): 12/03/2021 16:56

GC Column (1): RTX200 ID: _____ GC Column (2): SP1000 ID: _____

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Methanol	1		0.34	0.31	0.37	3210		19.0
	2		0.71	0.69	0.75	2650		
Ethanol	1		0.43	0.41	0.47	3310		23.9
	2		1.63	1.61	1.67	2600		

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
SDG No.: _____
Client Sample ID: High Range VOC PT Lot Lab Sample ID: 410-63553-1
#111021
Matrix: Water Lab File ID: 272021_12_3.0025.D
Analysis Method: 8015D Date Collected: 11/30/2021 09:00
Sample wt/vol: 1 (mL) Date Analyzed: 12/03/2021 18:30
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX200 ID: _____
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 201167 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	108		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0025.D
 Lims ID: 410-63553-A-1-D
 Client ID: High Range VOC PT Lot #111021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 18:30:00 ALS Bottle#: 0 Worklist Smp#: 21
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: 410-63553-A-1-D
 Misc. Info.: 410-0045468-021
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:59:25 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 07:49:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

1 Methanol M

1	0.337	0.337	0.000	1867189	748.9	M
2	0.710	0.723	-0.013	4361777	584.9	M

RPD = 24.60

2 Ethanol M

1	0.440	0.437	0.003	3341668	905.0	M
2	1.627	1.640	-0.013	5617894	513.6	

RPD = 55.18

\$ 5 Acetone M

1	0.953	0.960	-0.007	8552084	2692.2	
2	2.583	2.587	-0.004	22970480	2311.2	M

RPD = 15.23

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Report Date: 04-Dec-2021 07:59:48

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0025.D

Injection Date: 03-Dec-2021 18:30:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: 410-63553-A-1-D

Lab Sample ID: 410-63553-1

Worklist Smp#: 21

Client ID: High Range VOC PT Lot #111021

Purge Vol: 1.000 uL

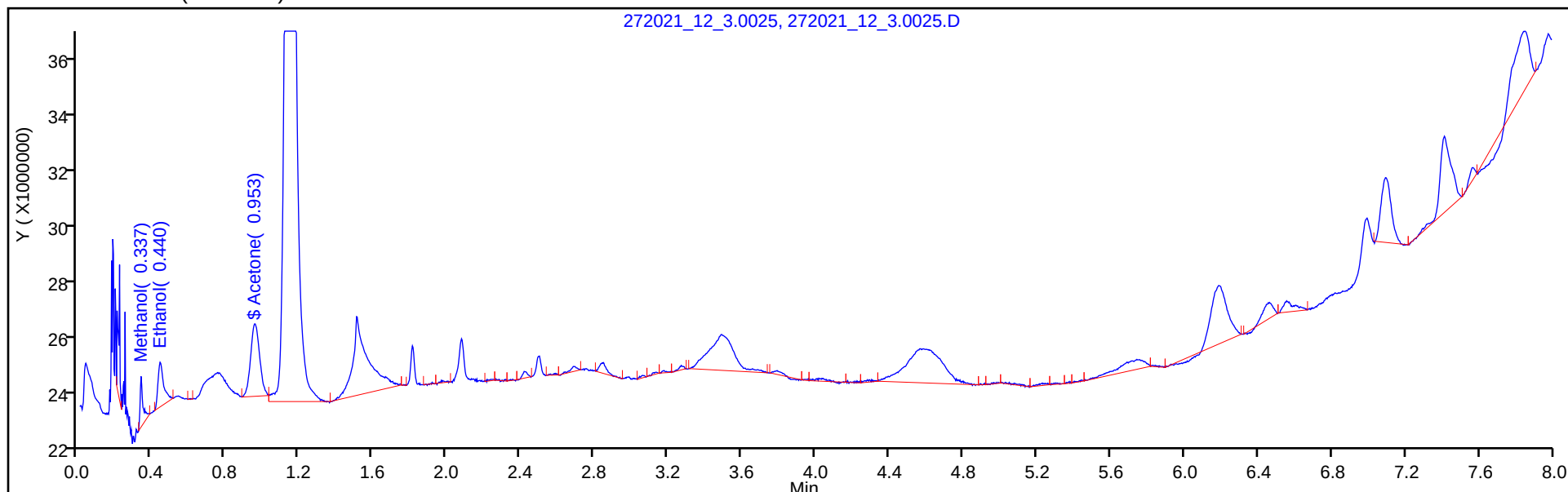
Dil. Factor: 1.0000

ALS Bottle#: 0

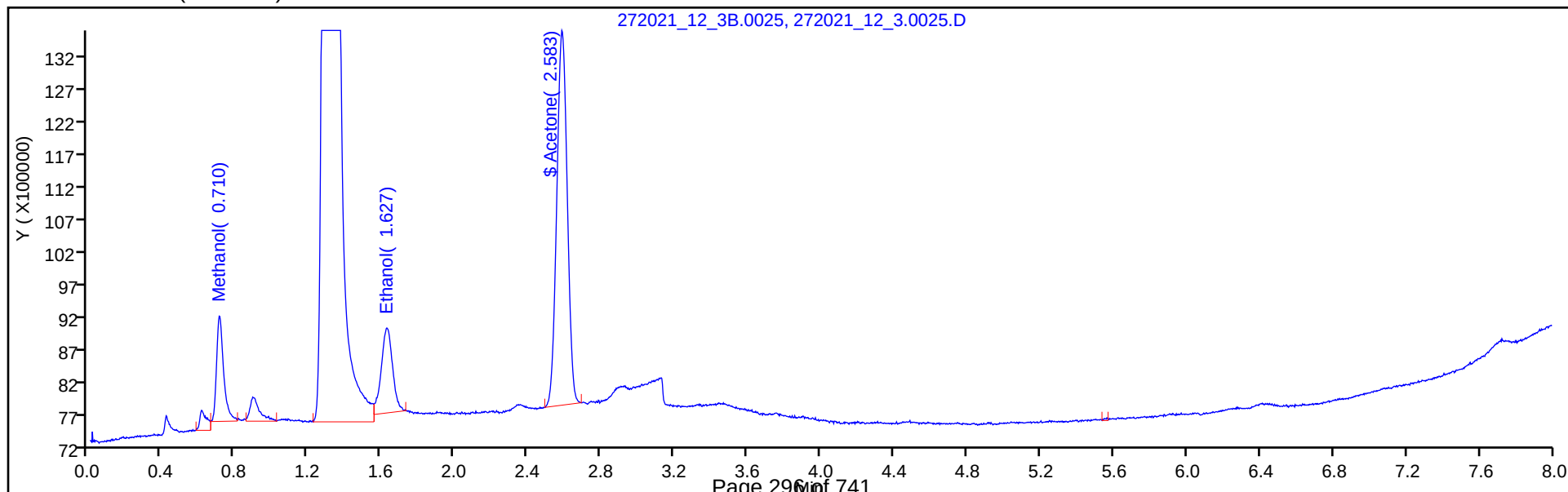
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

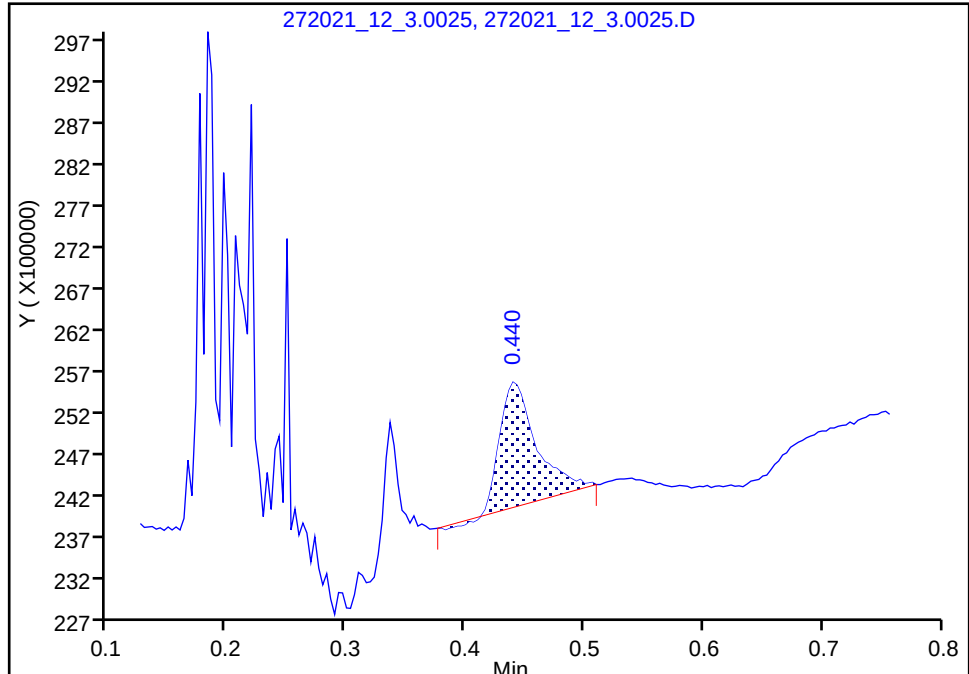
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0025.D
Injection Date: 03-Dec-2021 18:30:00 Instrument ID: 2739
Lims ID: 410-63553-A-1-D Lab Sample ID: 410-63553-1
Client ID: High Range VOC PT Lot #111021
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

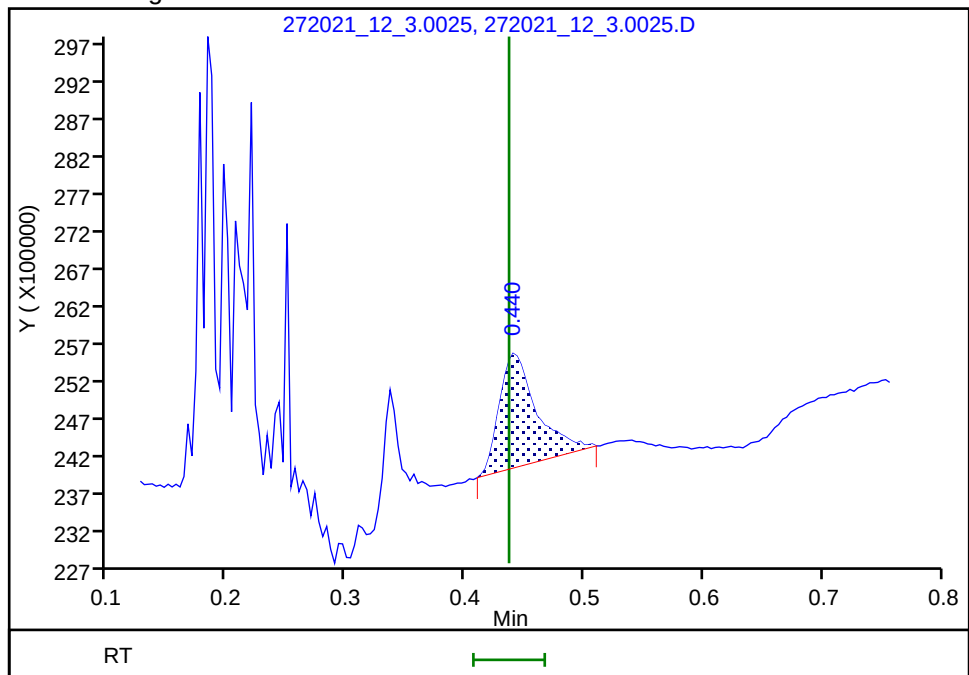
RT: 0.44
Area: 3190627
Amount: 864.0472
Amount Units: ug/l

Processing Integration Results



RT: 0.44
Area: 3341668
Amount: 904.9503
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:56:50

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

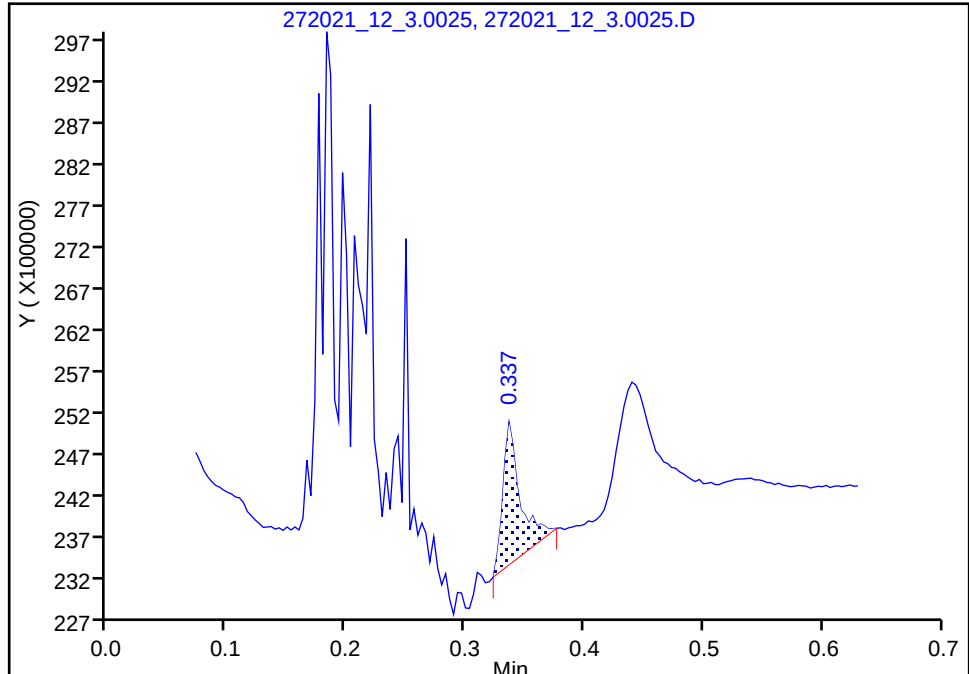
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0025.D
Injection Date: 03-Dec-2021 18:30:00 Instrument ID: 2739
Lims ID: 410-63553-A-1-D Lab Sample ID: 410-63553-1
Client ID: High Range VOC PT Lot #111021
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

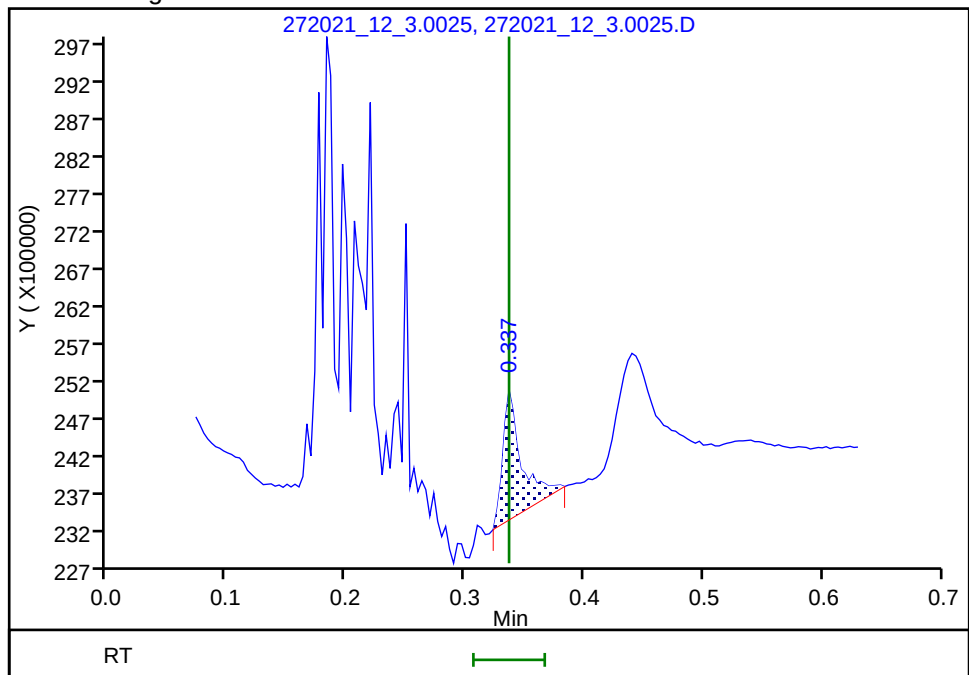
RT: 0.34
Area: 1720835
Amount: 690.2273
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 1867189
Amount: 748.9299
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:56:53

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

FORM I

GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1

SDG No.:

Client Sample ID: High Range VOC PT Lot Lab Sample ID: 410-63553-1
#111021

Matrix: Water Lab File ID: 272021_12_3.0025.D

Analysis Method: 8015D Date Collected: 11/30/2021 09:00

Sample wt/vol: 1 (mL) Date Analyzed: 12/03/2021 18:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: SP1000 ID:

% Moisture: Level: (low/med) Low

Analysis Batch No.: 201167 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
64-17-5	Ethanol	510	J p	1000	150
67-56-1	Methanol	580	J	1000	220

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	92		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0025.D
 Lims ID: 410-63553-A-1-D
 Client ID: High Range VOC PT Lot #111021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 18:30:00 ALS Bottle#: 0 Worklist Smp#: 21
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: 410-63553-A-1-D
 Misc. Info.: 410-0045468-021
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:59:25 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 07:49:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
1 Methanol						
1	0.337	0.337	0.000	1867189	748.9	M
2	0.710	0.723	-0.013	4361777	584.9	M
RPD = 24.60						
2 Ethanol						
1	0.440	0.437	0.003	3341668	905.0	M
2	1.627	1.640	-0.013	5617894	513.6	
RPD = 55.18						
\$ 5 Acetone						
1	0.953	0.960	-0.007	8552084	2692.2	
2	2.583	2.587	-0.004	22970480	2311.2	M
RPD = 15.23						

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Report Date: 04-Dec-2021 07:59:49

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0025.D

Injection Date: 03-Dec-2021 18:30:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: 410-63553-A-1-D

Lab Sample ID: 410-63553-1

Worklist Smp#: 21

Client ID: High Range VOC PT Lot #111021

Purge Vol: 1.000 uL

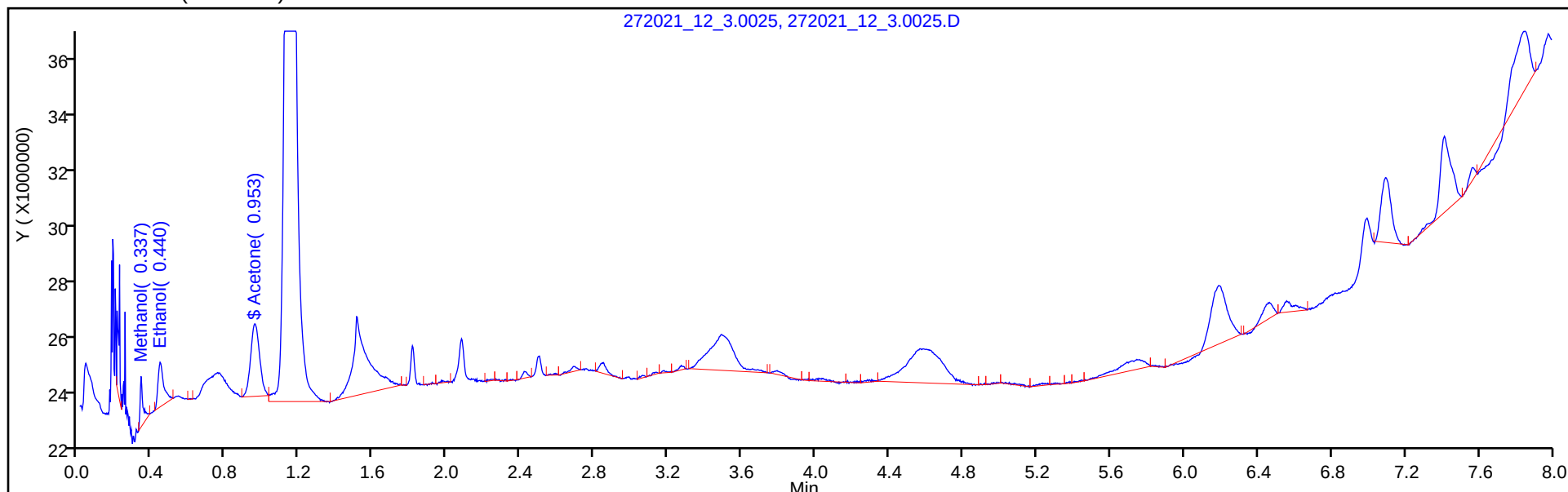
Dil. Factor: 1.0000

ALS Bottle#: 0

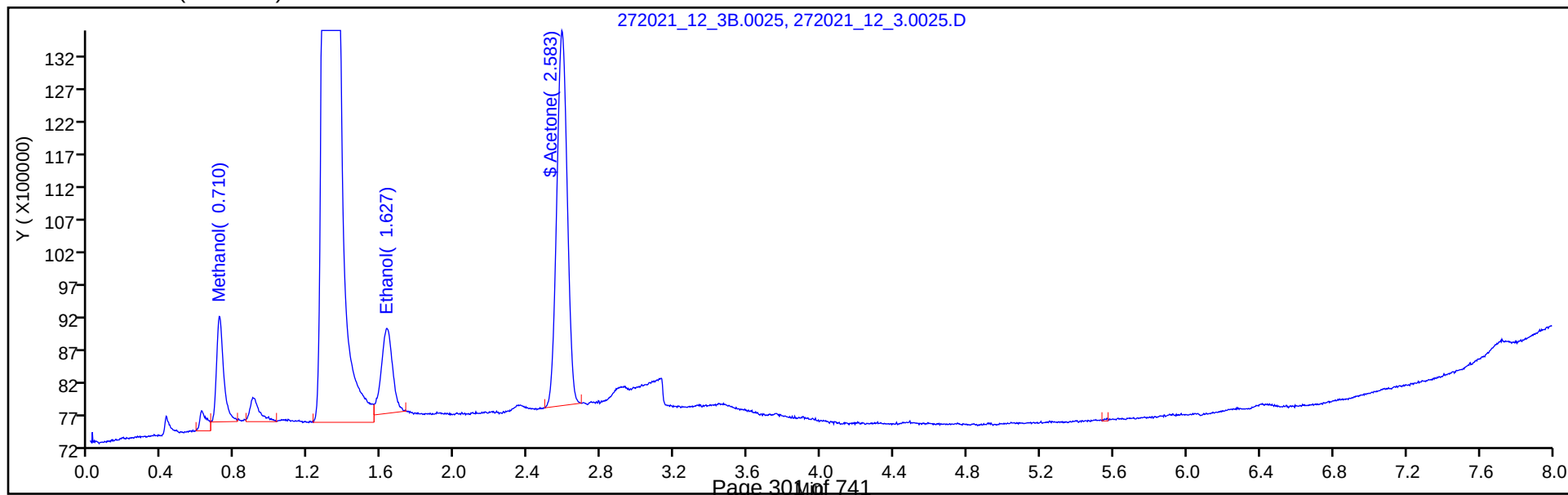
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

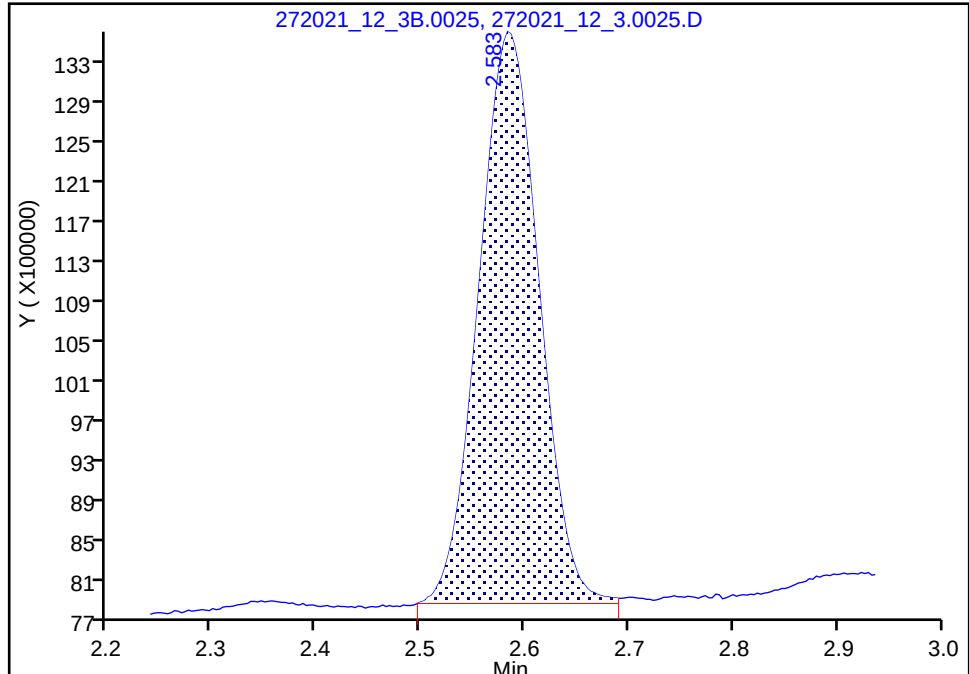
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0025.D
Injection Date: 03-Dec-2021 18:30:00 Instrument ID: 2739
Lims ID: 410-63553-A-1-D Lab Sample ID: 410-63553-1
Client ID: High Range VOC PT Lot #111021
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

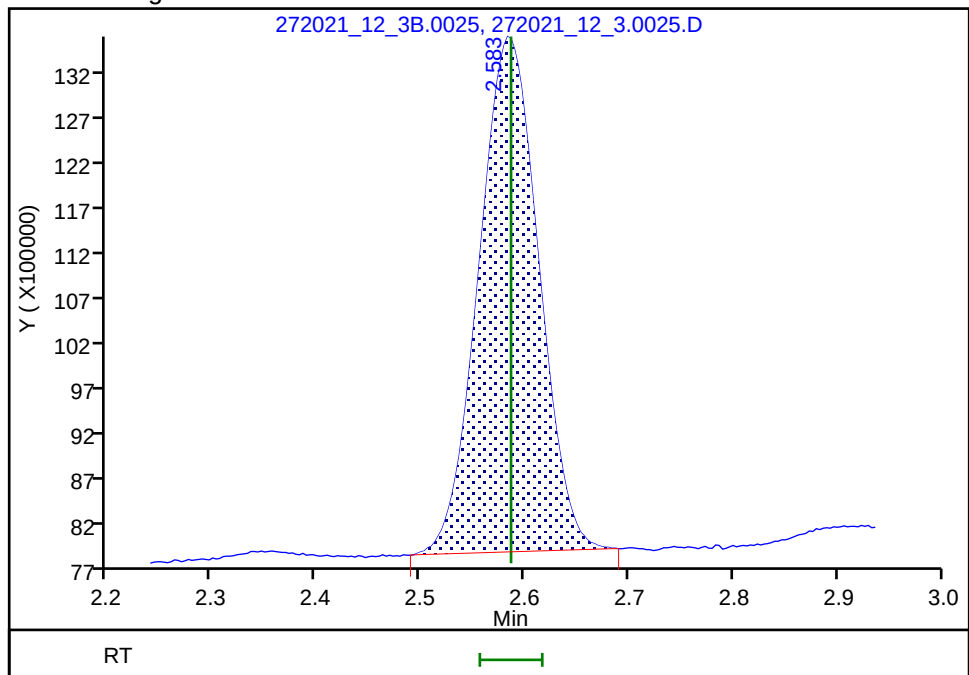
RT: 2.58
Area: 23205204
Amount: 2334.8434
Amount Units: ug/l

Processing Integration Results



RT: 2.58
Area: 22970480
Amount: 2311.2261
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:57:12

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

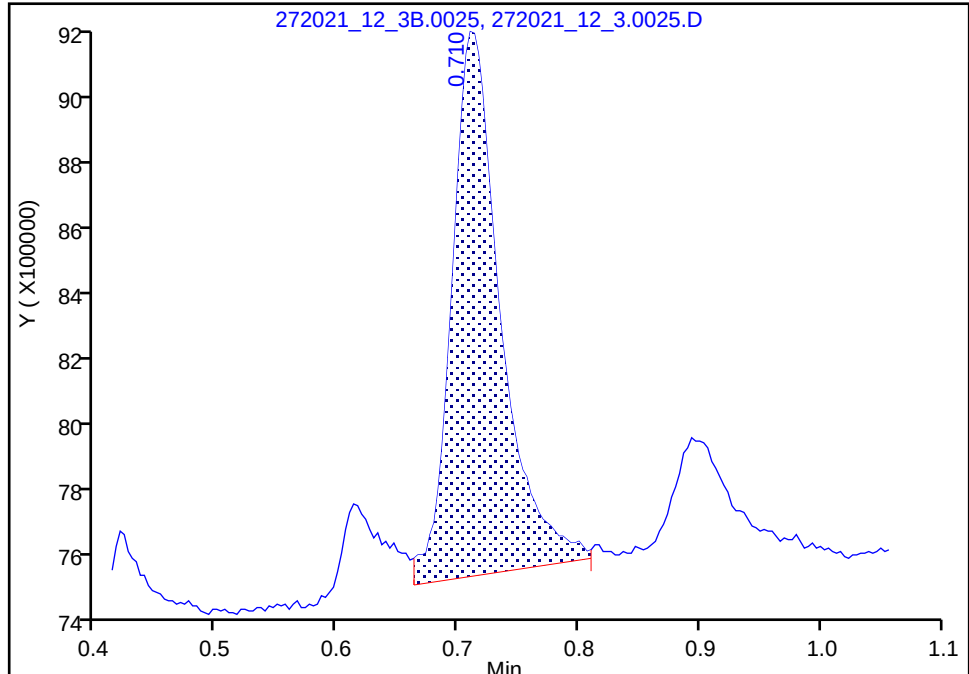
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0025.D
Injection Date: 03-Dec-2021 18:30:00 Instrument ID: 2739
Lims ID: 410-63553-A-1-D Lab Sample ID: 410-63553-1
Client ID: High Range VOC PT Lot #111021
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

1 Methanol, CAS: 67-56-1

Signal: 2

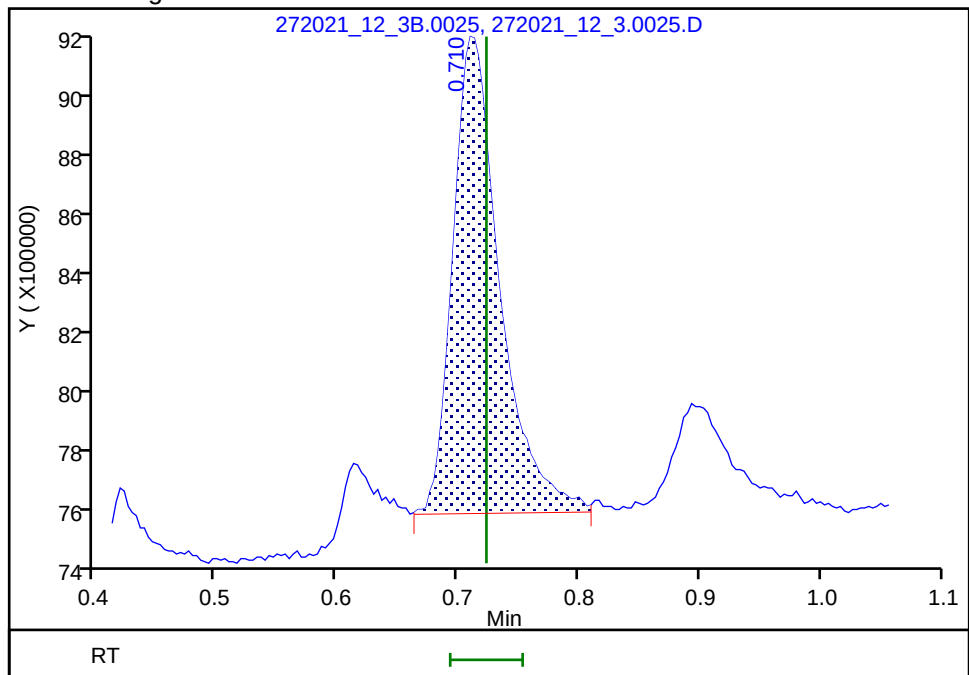
RT: 0.71
Area: 4711859
Amount: 631.8401
Amount Units: ug/l

Processing Integration Results



RT: 0.71
Area: 4361777
Amount: 584.8956
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:57:05
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 303 of 741

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
SDG No.: _____
Client Sample ID: Low Range VOC PT Lot Lab Sample ID: 410-63553-2
#111021
Matrix: Water Lab File ID: 272021_12_3.0026.D
Analysis Method: 8015D Date Collected: 11/30/2021 09:00
Sample wt/vol: 1 (mL) Date Analyzed: 12/03/2021 18:48
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX200 ID: _____
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 201167 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	101		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0026.D
 Lims ID: 410-63553-A-2-D
 Client ID: Low Range VOC PT Lot #111021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 18:48:00 ALS Bottle#: 0 Worklist Smp#: 22
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: 410-63553-A-2-D
 Misc. Info.: 410-0045468-022
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:59:25 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 08:00:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

1 Methanol						U
1		0.337		ND		
2		0.723				
2 Ethanol						Ma
1	0.447	0.437	0.010	1398807	378.8	M
2	0.000	1.640	0.000	0	0	
RPD = 200.00						
\$ 5 Acetone						M
1	0.960	0.960	0.000	8061444	2537.7	M
2	2.587	2.587	0.000	23518280	2366.3	M
RPD = 6.99						

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Report Date: 04-Dec-2021 08:00:25

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Euofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0026.D

Injection Date: 03-Dec-2021 18:48:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: 410-63553-A-2-D

Lab Sample ID: 410-63553-2

Worklist Smp#:

22

Client ID: Low Range VOC PT Lot #111021

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

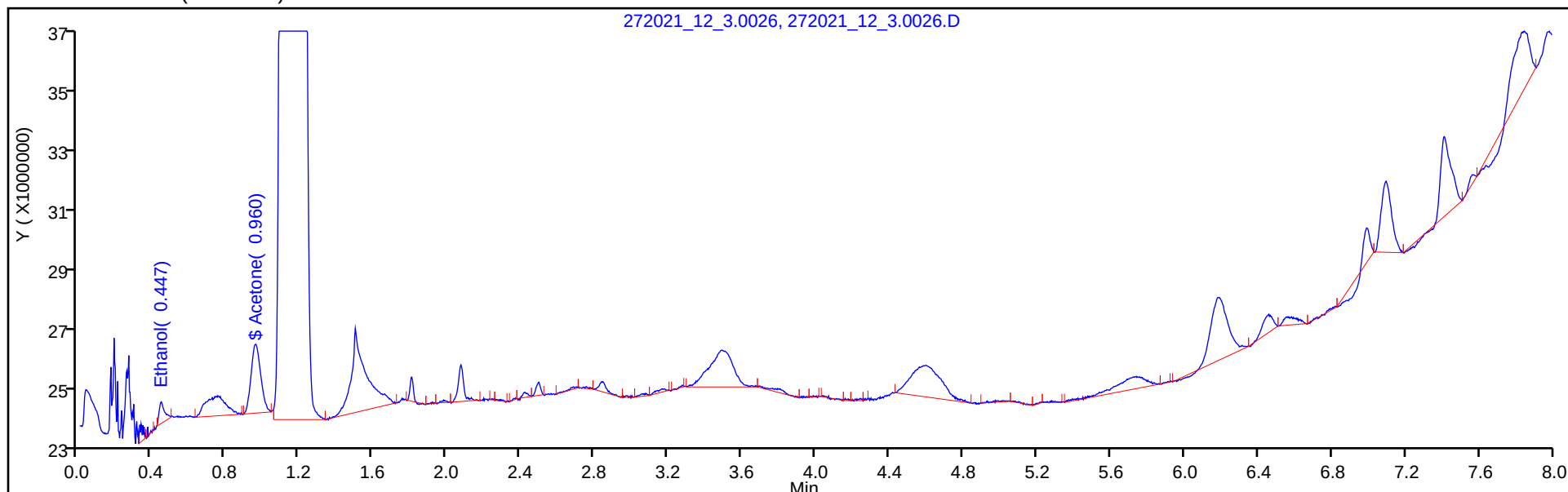
ALS Bottle#:

0

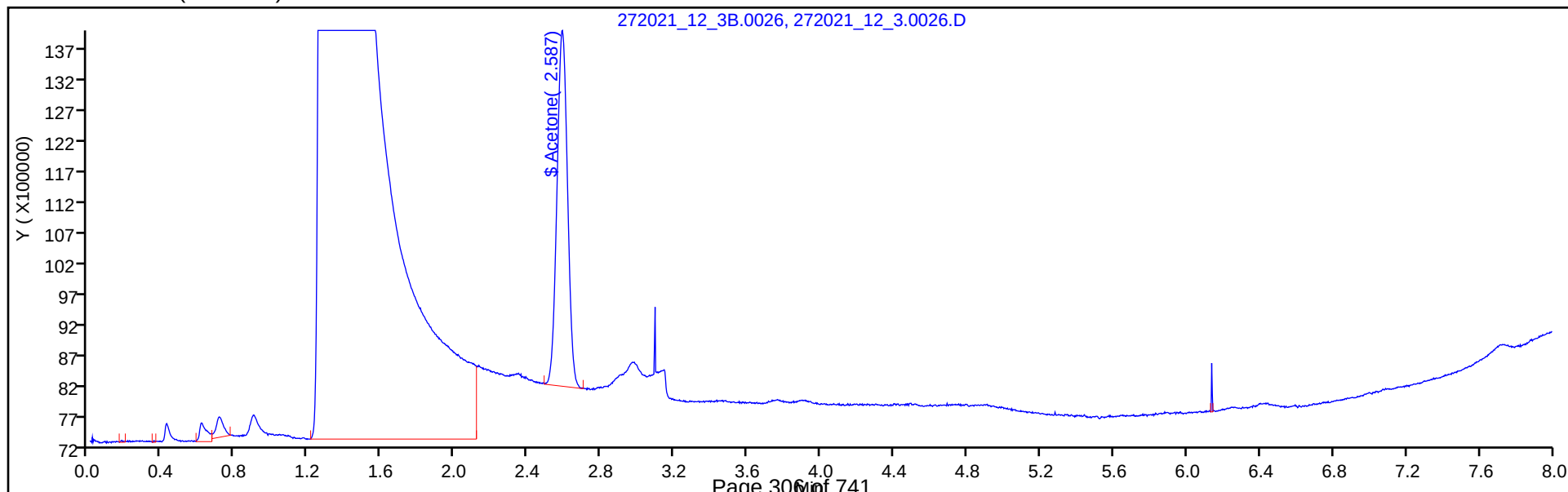
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

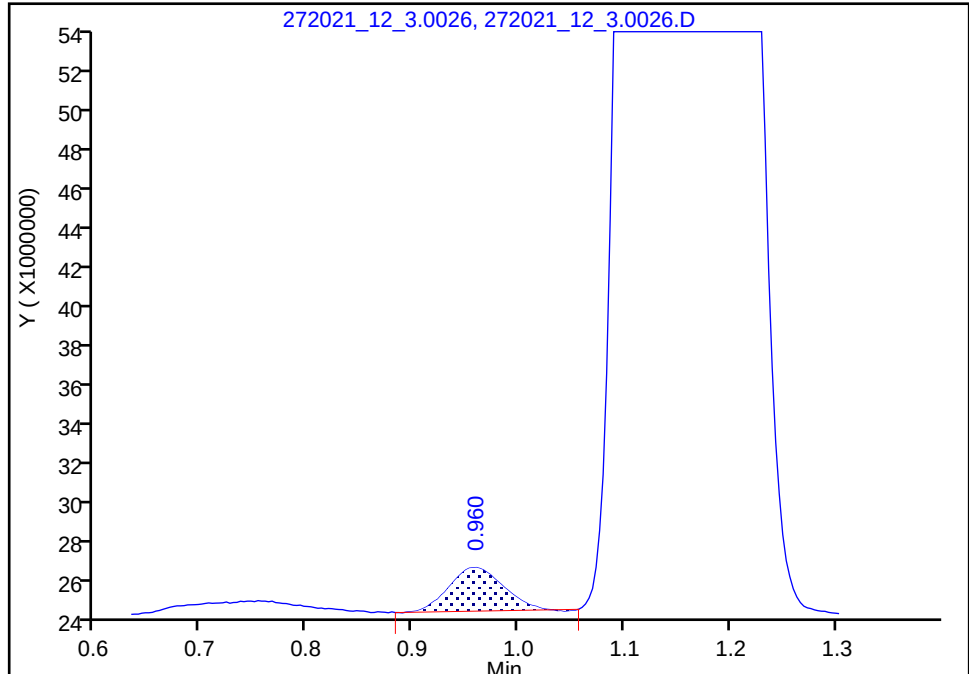
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0026.D
Injection Date: 03-Dec-2021 18:48:00 Instrument ID: 2739
Lims ID: 410-63553-A-2-D Lab Sample ID: 410-63553-2
Client ID: Low Range VOC PT Lot #111021
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 22
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

\$ 5 Acetone, CAS: 67-64-1

Signal: 1

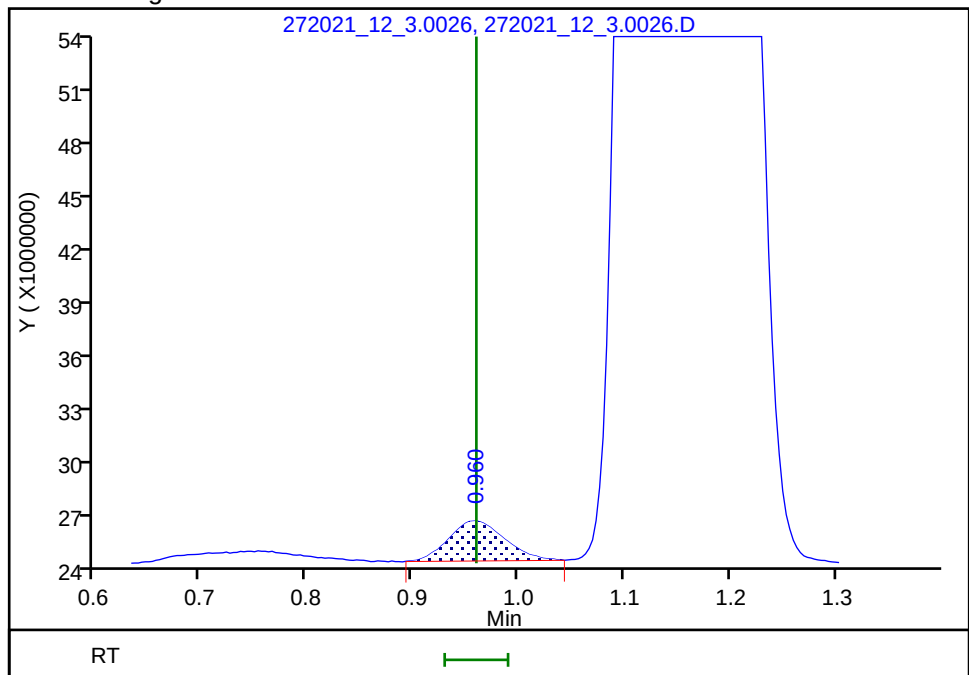
RT: 0.96
Area: 7651561
Amount: 2408.7108
Amount Units: ug/l

Processing Integration Results



RT: 0.96
Area: 8061444
Amount: 2537.7419
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:57:31

Audit Action: Manually Integrated

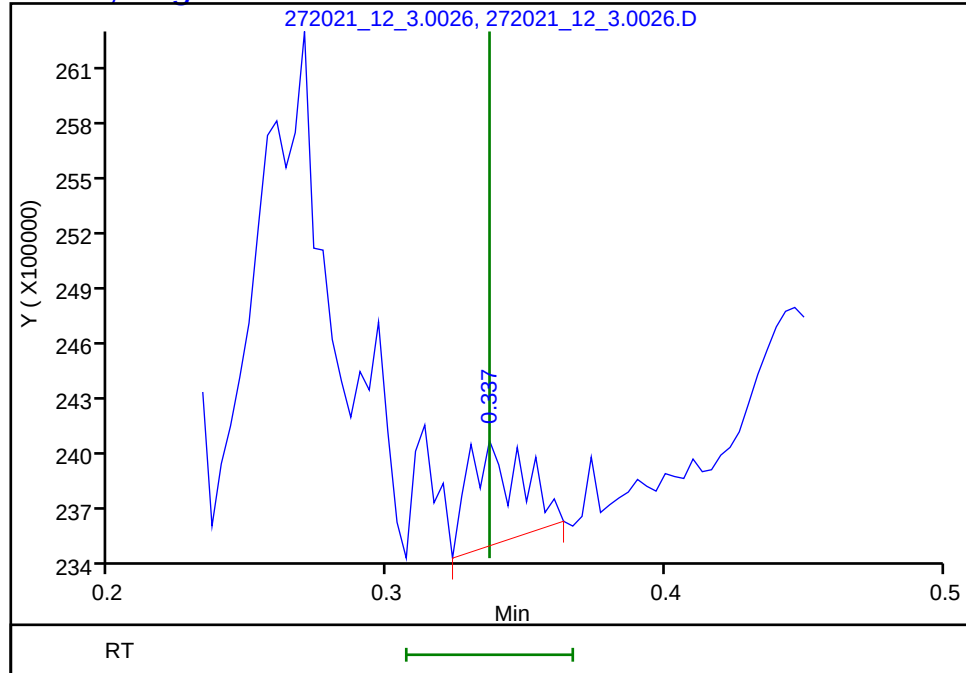
Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0026.D
Injection Date: 03-Dec-2021 18:48:00 Instrument ID: 2739
Lims ID: 410-63553-A-2-D Lab Sample ID: 410-63553-2
Client ID: Low Range VOC PT Lot #111021
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 22
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector 0FIDA

1 Methanol, CAS: 67-56-1, Signal: 1

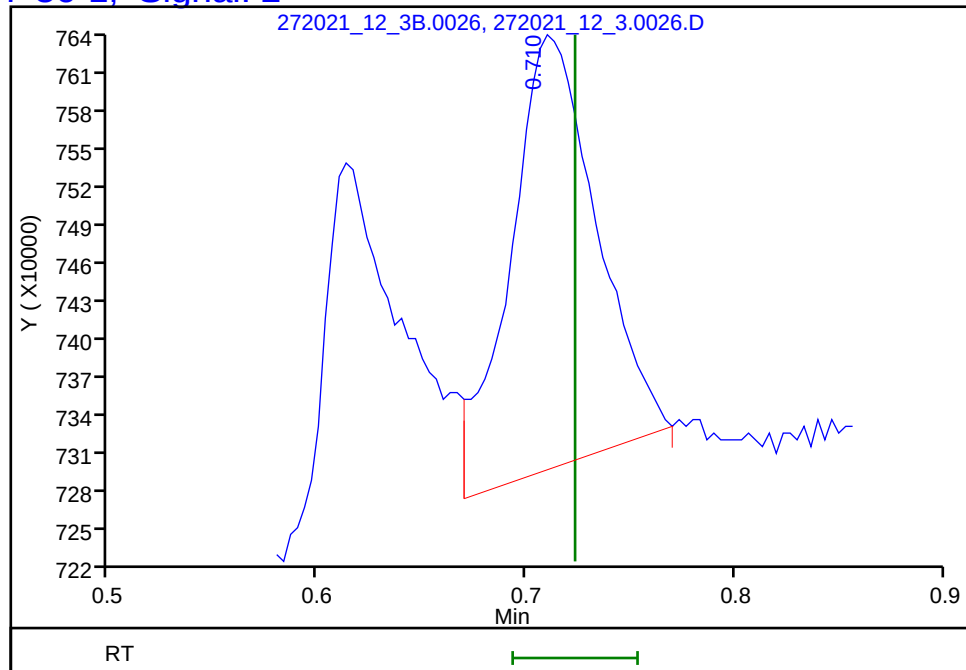
RT: 0.34
Response: 728125
Amount: 292.0511



Column: SP1000 (0.00 mm) Detector 1FIDB

1 Methanol, CAS: 67-56-1, Signal: 2

RT: 0.71
Response: 970909
Amount: 130.1947



Reviewer: kennedyj, 04-Dec-2021 07:58:04

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
SDG No.: _____
Client Sample ID: Low Range VOC PT Lot Lab Sample ID: 410-63553-2
#111021
Matrix: Water Lab File ID: 272021_12_3.0026.D
Analysis Method: 8015D Date Collected: 11/30/2021 09:00
Sample wt/vol: 1 (mL) Date Analyzed: 12/03/2021 18:48
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: SP1000 ID: _____
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 201167 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-56-1	Methanol	ND		1000	220

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	95		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0026.D
 Lims ID: 410-63553-A-2-D
 Client ID: Low Range VOC PT Lot #111021
 Sample Type: Client
 Inject. Date: 03-Dec-2021 18:48:00 ALS Bottle#: 0 Worklist Smp#: 22
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: 410-63553-A-2-D
 Misc. Info.: 410-0045468-022
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:59:25 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 08:00:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

1 Methanol						U
1		0.337		ND		
2		0.723				
2 Ethanol						Ma
1	0.447	0.437	0.010	1398807	378.8	M
2	0.000	1.640	0.000	0	0	
RPD = 200.00						
\$ 5 Acetone						M
1	0.960	0.960	0.000	8061444	2537.7	M
2	2.587	2.587	0.000	23518280	2366.3	M
RPD = 6.99						

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Report Date: 04-Dec-2021 08:00:25

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0026.D

Injection Date: 03-Dec-2021 18:48:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: 410-63553-A-2-D

Lab Sample ID: 410-63553-2

Worklist Smp#:

22

Client ID: Low Range VOC PT Lot #111021

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

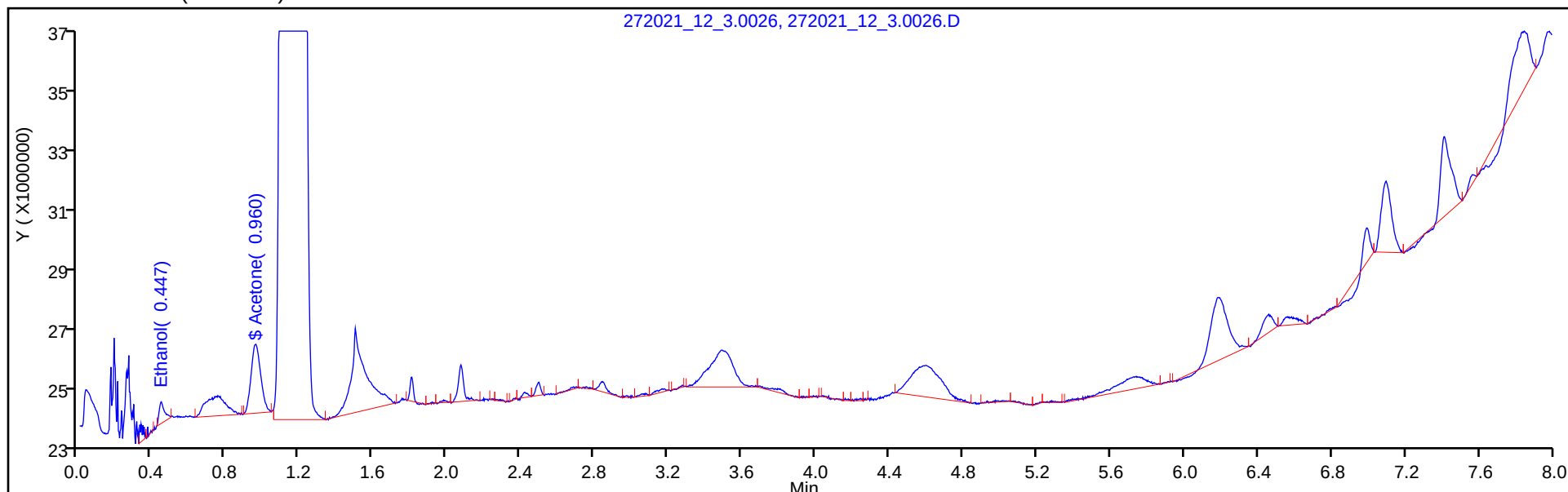
ALS Bottle#:

0

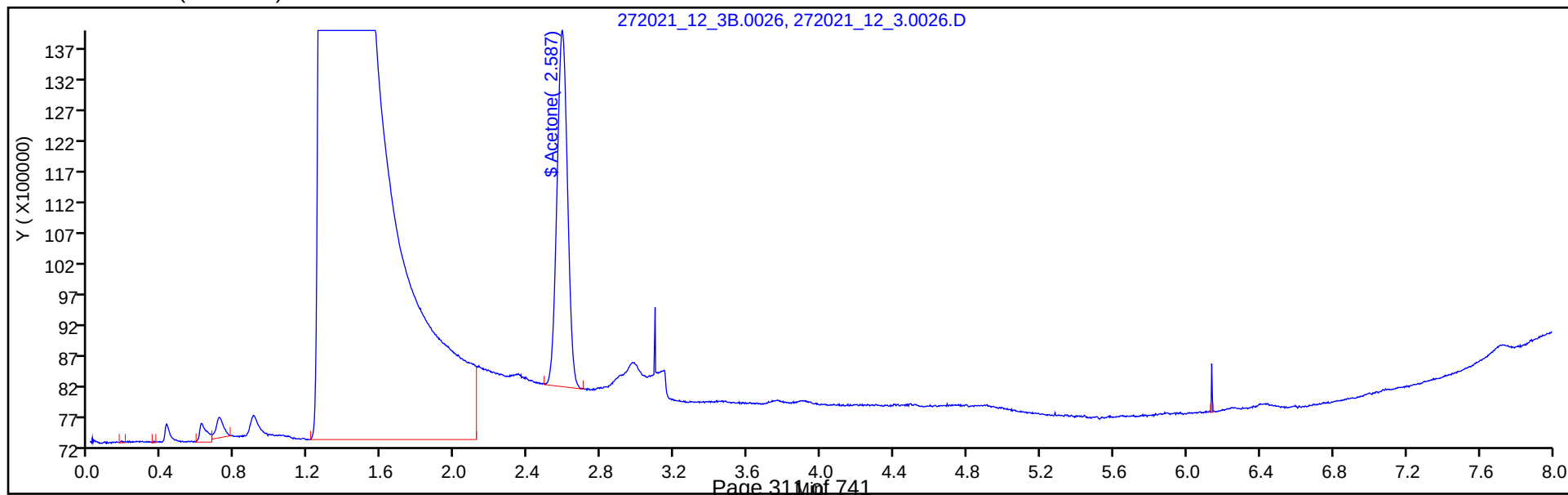
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

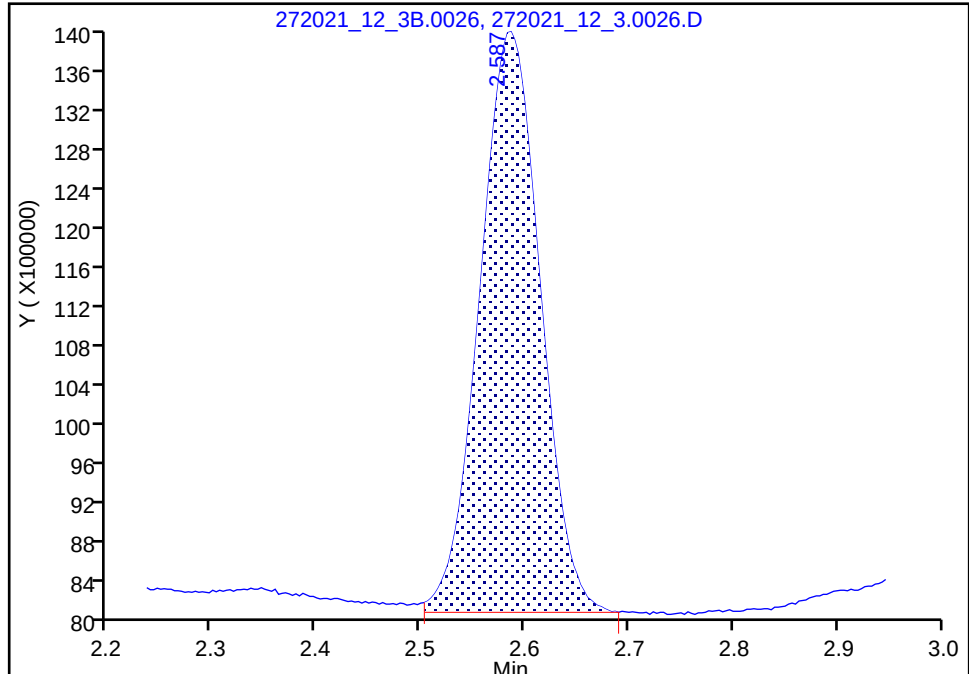
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0026.D
Injection Date: 03-Dec-2021 18:48:00 Instrument ID: 2739
Lims ID: 410-63553-A-2-D Lab Sample ID: 410-63553-2
Client ID: Low Range VOC PT Lot #111021
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 22
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

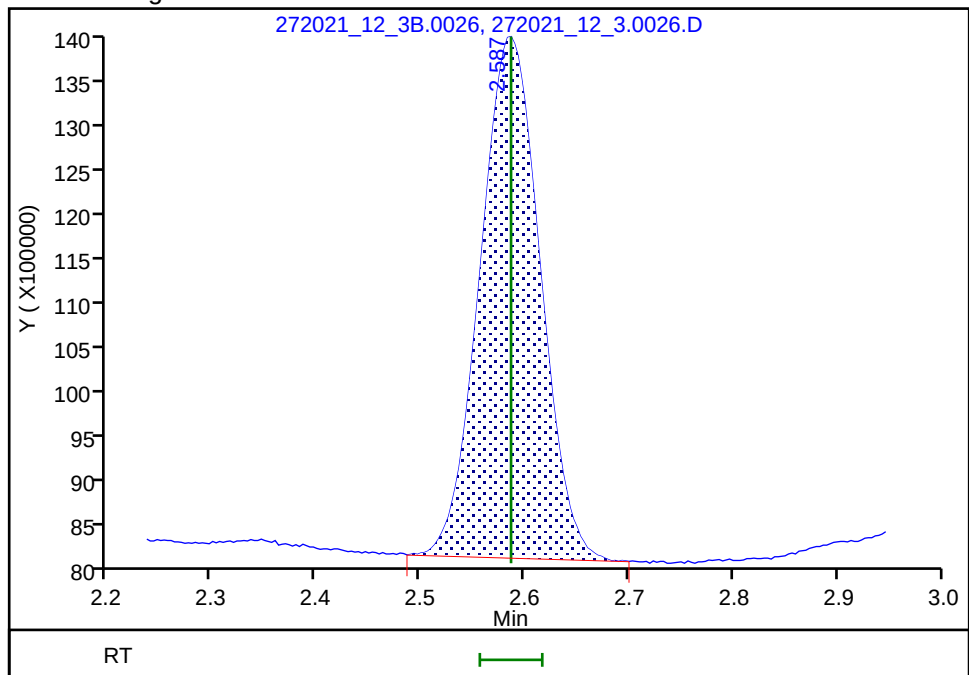
RT: 2.59
Area: 23867713
Amount: 2401.5032
Amount Units: ug/l

Processing Integration Results



RT: 2.59
Area: 23518280
Amount: 2366.3443
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:57:26

Audit Action: Manually Integrated

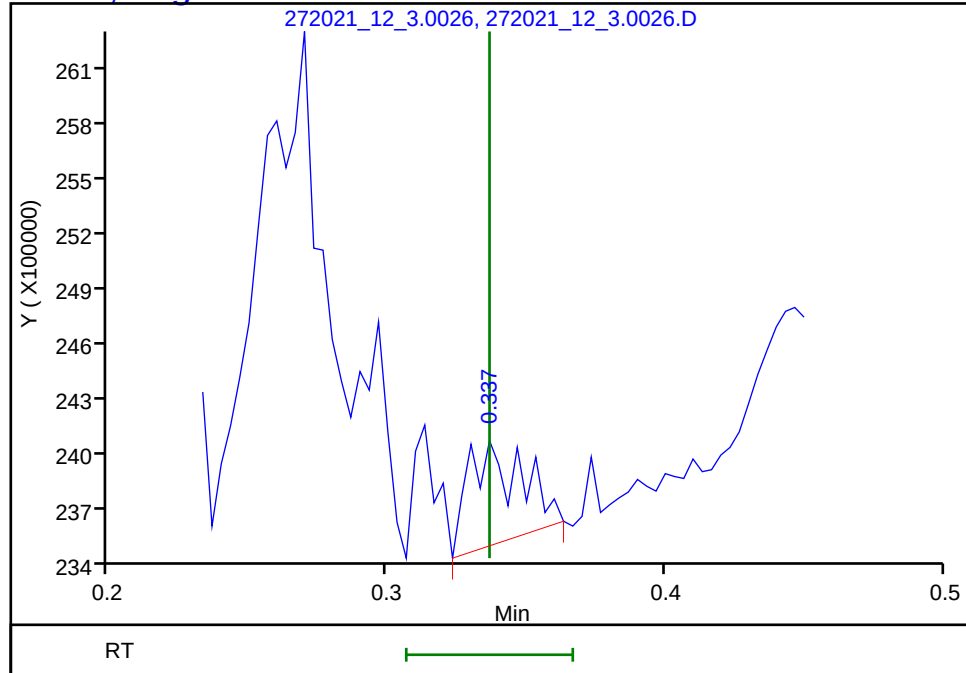
Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0026.D
Injection Date: 03-Dec-2021 18:48:00 Instrument ID: 2739
Lims ID: 410-63553-A-2-D Lab Sample ID: 410-63553-2
Client ID: Low Range VOC PT Lot #111021
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 22
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector 0FIDA

1 Methanol, CAS: 67-56-1, Signal: 1

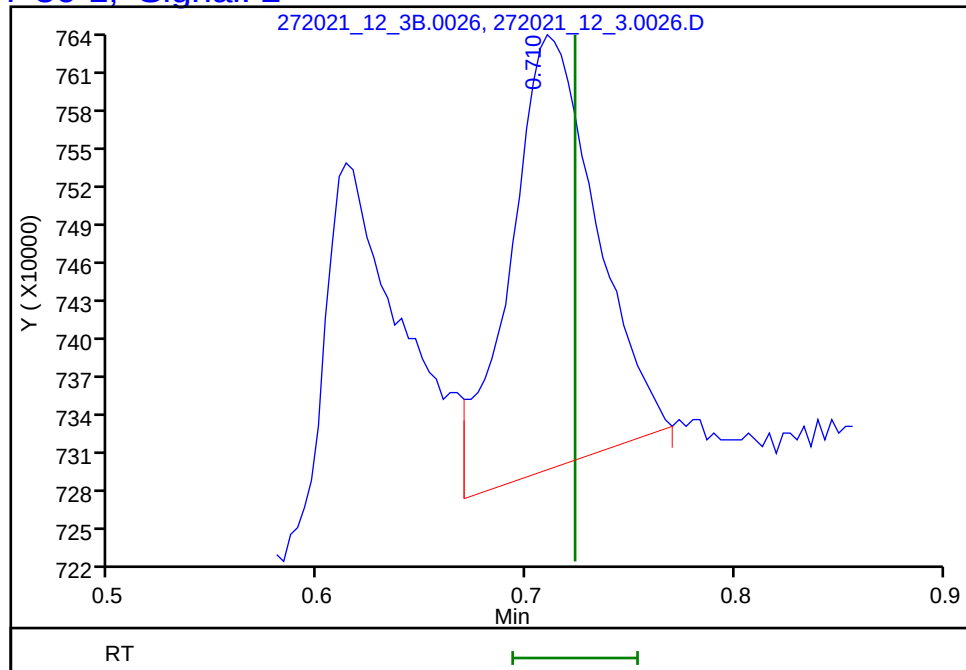
RT: 0.34
Response: 728125
Amount: 292.0511



Column: SP1000 (0.00 mm) Detector 1FIDB

1 Methanol, CAS: 67-56-1, Signal: 2

RT: 0.71
Response: 970909
Amount: 130.1947



Reviewer: kennedyj, 04-Dec-2021 07:58:04

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
SDG No.: _____
Client Sample ID: Low Range VOC PT Lot Lab Sample ID: 410-63553-2 DL
#111021 DL
Matrix: Water Lab File ID: 272021_11_30.0024.D
Analysis Method: 8015D Date Collected: 11/30/2021 09:00
Sample wt/vol: 1 (mL) Date Analyzed: 11/30/2021 17:32
Soil Aliquot Vol: _____ Dilution Factor: 50
Soil Extract Vol.: _____ GC Column: RTX200 ID: _____
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 199563 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	98	cn	58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\202111130-45155.b\272021_11_30.0024.D
 Lims ID: 410-63553-A-2-B
 Client ID: Low Range VOC PT Lot #111021
 Sample Type: Client
 Inject. Date: 30-Nov-2021 17:32:00 ALS Bottle#: 0 Worklist Smp#: 24
 Purge Vol: 1.000 uL Dil. Factor: 50.0000
 Sample Info: 410-63553-A-2-B
 Misc. Info.: 410-0045155-024
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\202111130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 11:35:10 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\202111130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 01-Dec-2021 08:04:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

1 Methanol a

1	0.000	0.340	0.000	0	0	
2	0.710	0.720	-0.010	243749	35.3	a

RPD = 200.00

2 Ethanol Ma

1	0.000	0.440	0.000	0	0	
2	1.643	1.653	-0.010	157911	14.9	M

RPD = 200.00

\$ 5 Acetone Ma

1	0.967	0.967	0.000	9155731	2442.7	M
2	2.623	2.623	0.000	23179075	2298.1	M

RPD = 6.10

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

EPH_LLMESS_00006

Amount Added: 0.01

Units: mL

Report Date: 01-Dec-2021 12:50:00

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurolins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0024.D

Injection Date: 30-Nov-2021 17:32:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: 410-63553-A-2-B

Lab Sample ID: 410-63553-2

Worklist Smp#: 24

Client ID: Low Range VOC PT Lot #111021

Purge Vol: 1.000 uL

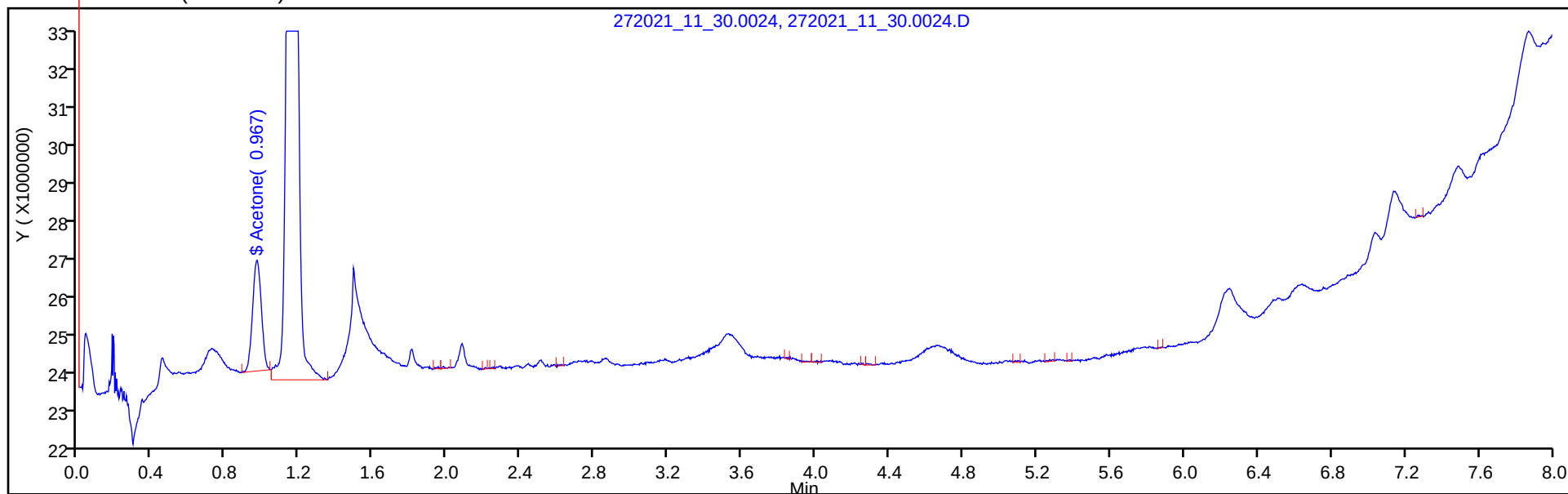
Dil. Factor: 50.0000

ALS Bottle#: 0

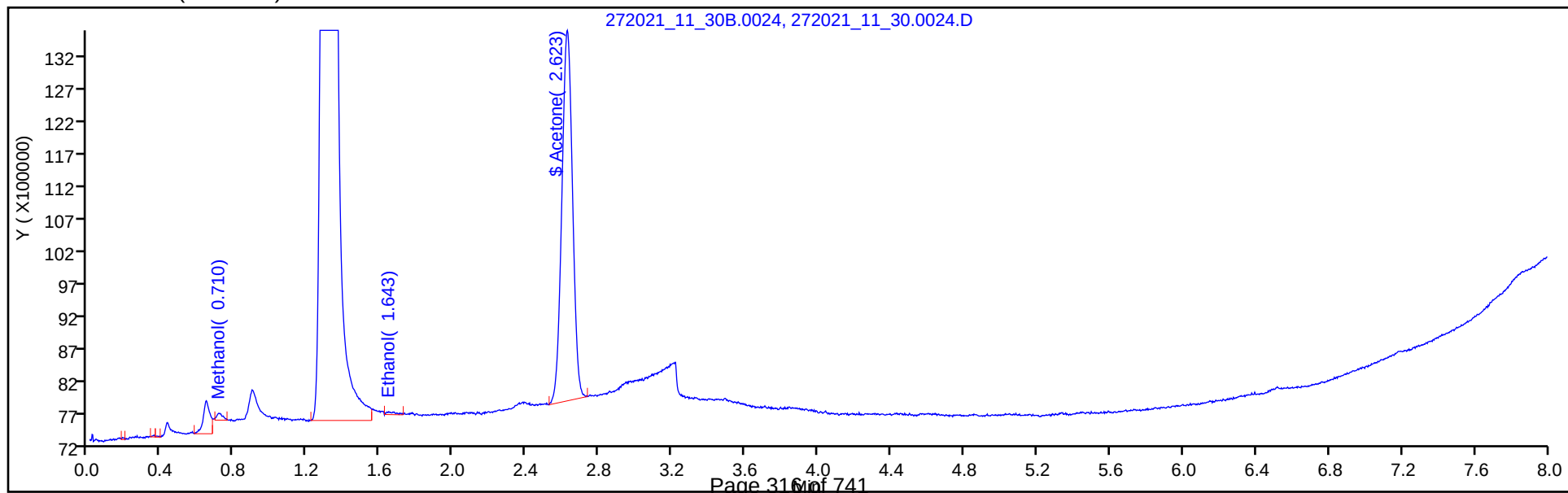
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

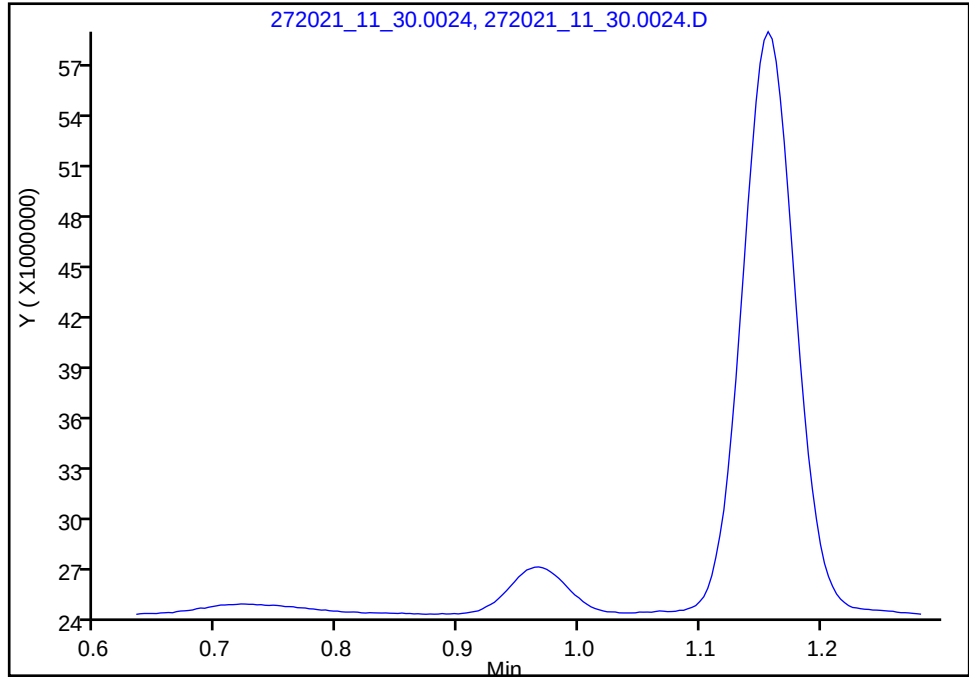
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0024.D
Injection Date: 30-Nov-2021 17:32:00 Instrument ID: 2739
Lims ID: 410-63553-A-2-B Lab Sample ID: 410-63553-2
Client ID: Low Range VOC PT Lot #111021
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 24
Purge Vol: 1.000 uL Dil. Factor: 50.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

\$ 5 Acetone, CAS: 67-64-1

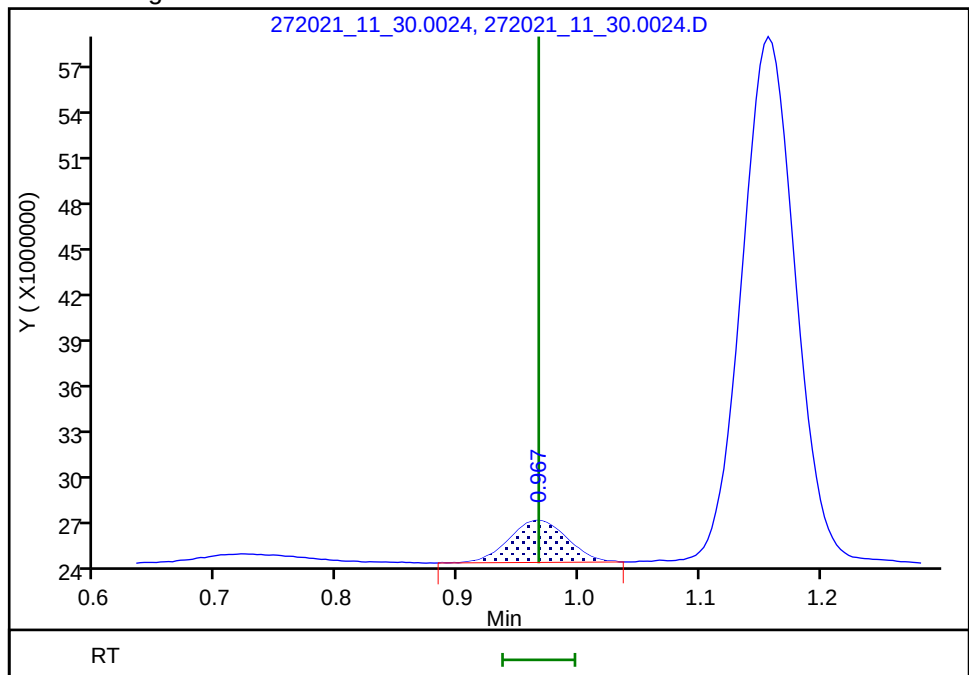
Signal: 1

Not Detected
Expected RT: 0.97

Processing Integration Results



Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 08:04:15

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
SDG No.: _____
Client Sample ID: Low Range VOC PT Lot Lab Sample ID: 410-63553-2 DL
#111021 DL
Matrix: Water Lab File ID: 272021_11_30.0024.D
Analysis Method: 8015D Date Collected: 11/30/2021 09:00
Sample wt/vol: 1 (mL) Date Analyzed: 11/30/2021 17:32
Soil Aliquot Vol: _____ Dilution Factor: 50
Soil Extract Vol.: _____ GC Column: SP1000 ID: _____
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 199563 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
64-17-5	Ethanol	ND	cn	50000	7500

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	92	cn	58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\202111130-45155.b\272021_11_30.0024.D
 Lims ID: 410-63553-A-2-B
 Client ID: Low Range VOC PT Lot #111021
 Sample Type: Client
 Inject. Date: 30-Nov-2021 17:32:00 ALS Bottle#: 0 Worklist Smp#: 24
 Purge Vol: 1.000 uL Dil. Factor: 50.0000
 Sample Info: 410-63553-A-2-B
 Misc. Info.: 410-0045155-024
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\202111130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 11:35:10 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\202111130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 01-Dec-2021 08:04:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

1 Methanol a

1	0.000	0.340	0.000	0	0	
2	0.710	0.720	-0.010	243749	35.3	a

RPD = 200.00

2 Ethanol Ma

1	0.000	0.440	0.000	0	0	
2	1.643	1.653	-0.010	157911	14.9	M

RPD = 200.00

\$ 5 Acetone Ma

1	0.967	0.967	0.000	9155731	2442.7	M
2	2.623	2.623	0.000	23179075	2298.1	M

RPD = 6.10

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

EPH_LLMESS_00006

Amount Added: 0.01

Units: mL

Report Date: 01-Dec-2021 12:50:00

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0024.D

Injection Date: 30-Nov-2021 17:32:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: 410-63553-A-2-B

Lab Sample ID: 410-63553-2

Worklist Smp#:

24

Client ID: Low Range VOC PT Lot #111021

Purge Vol: 1.000 uL

Dil. Factor: 50.0000

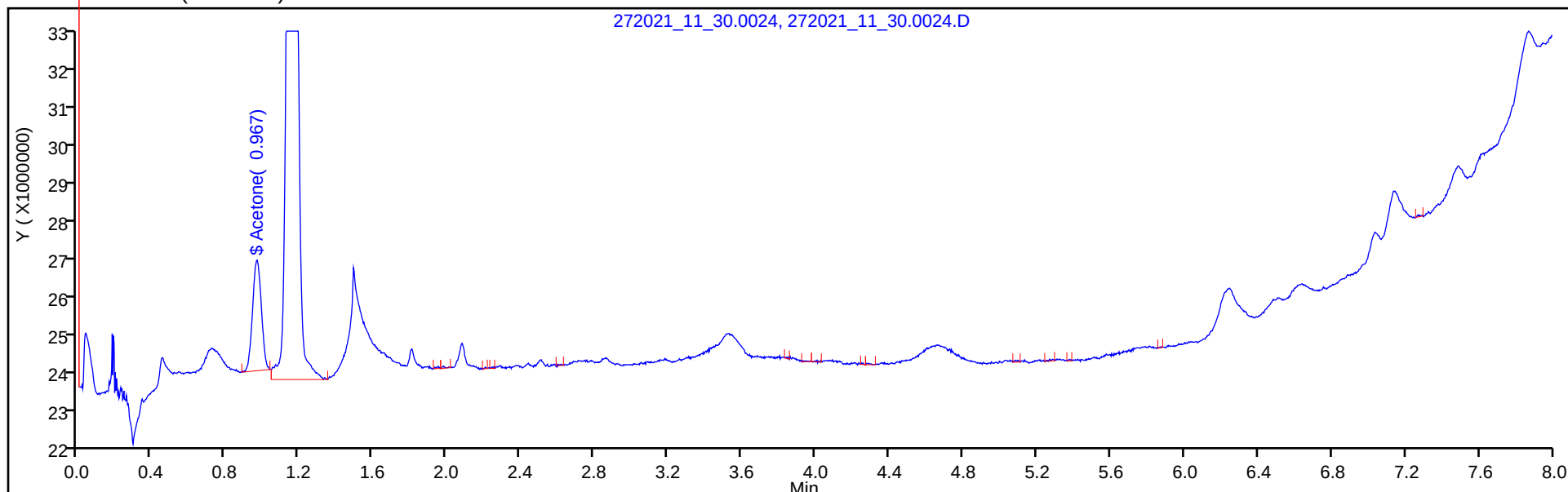
ALS Bottle#:

0

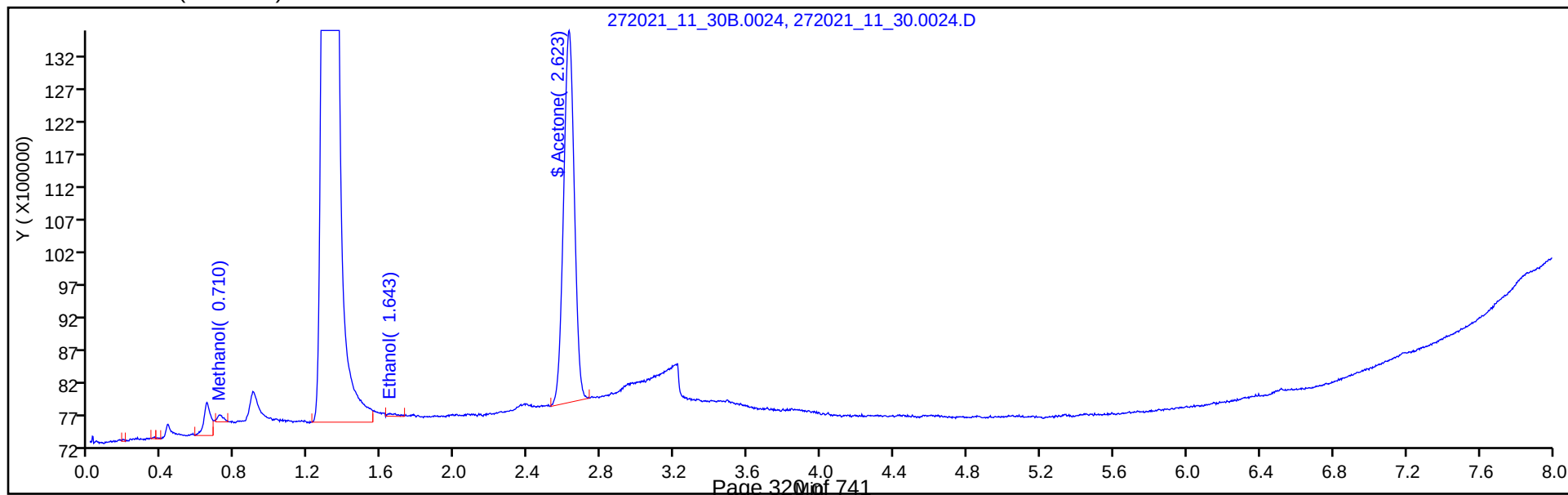
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

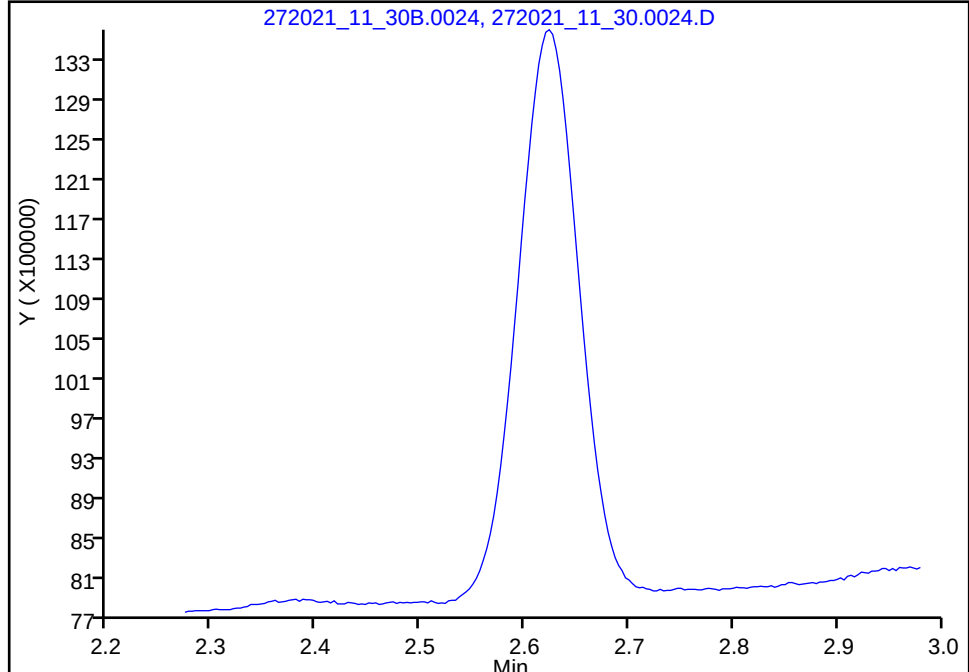
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0024.D
Injection Date: 30-Nov-2021 17:32:00 Instrument ID: 2739
Lims ID: 410-63553-A-2-B Lab Sample ID: 410-63553-2
Client ID: Low Range VOC PT Lot #111021
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 24
Purge Vol: 1.000 uL Dil. Factor: 50.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

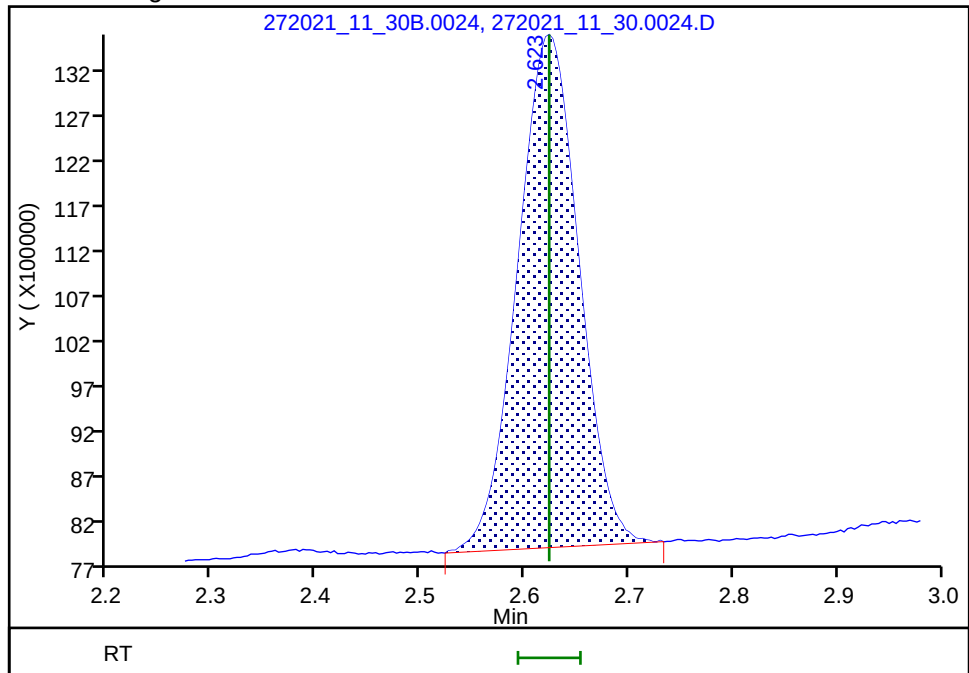
Not Detected
Expected RT: 2.62

Processing Integration Results



RT: 2.62
Area: 23179075
Amount: 2298.0647
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 10:46:13

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

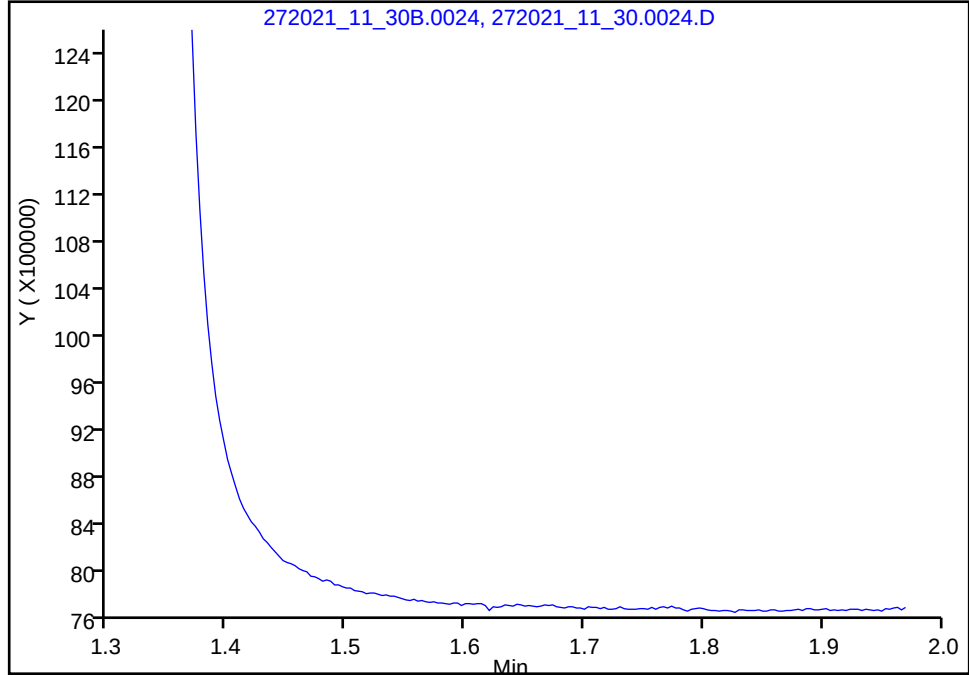
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0024.D
Injection Date: 30-Nov-2021 17:32:00 Instrument ID: 2739
Lims ID: 410-63553-A-2-B Lab Sample ID: 410-63553-2
Client ID: Low Range VOC PT Lot #111021
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 24
Purge Vol: 1.000 uL Dil. Factor: 50.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

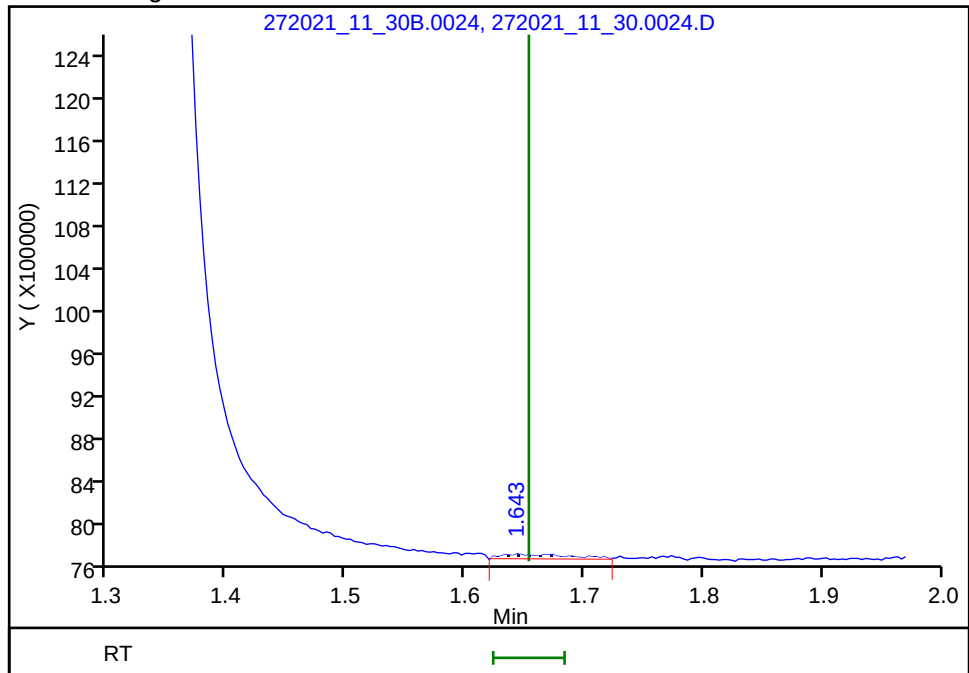
Not Detected
Expected RT: 1.65

Processing Integration Results



RT: 1.64
Area: 157911
Amount: 14.938733
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 10:46:29

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

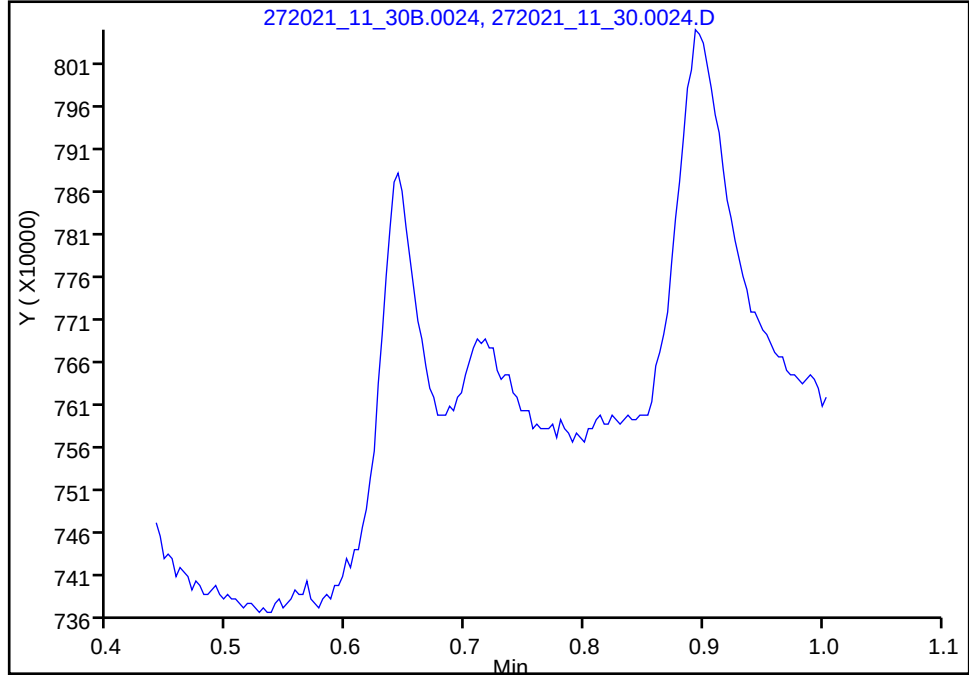
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0024.D
Injection Date: 30-Nov-2021 17:32:00 Instrument ID: 2739
Lims ID: 410-63553-A-2-B Lab Sample ID: 410-63553-2
Client ID: Low Range VOC PT Lot #111021
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 24
Purge Vol: 1.000 uL Dil. Factor: 50.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

1 Methanol, CAS: 67-56-1

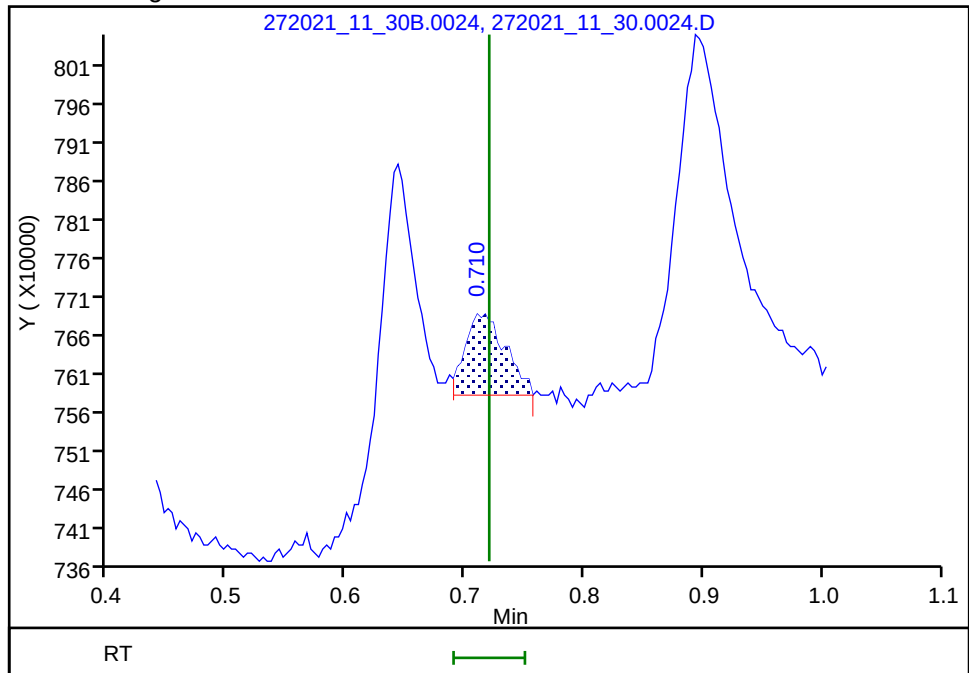
Signal: 2

Not Detected
Expected RT: 0.72

Processing Integration Results



Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 10:46:05

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 199563

SDG No.: _____

Instrument ID: 2739 GC Column: RTX200 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 11/30/2021 11:55 Calibration End Date: 11/30/2021 13:10 Calibration ID: 33570

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-199563/6	272021_11_30.0006.D
Level 2	IC 410-199563/7	272021_11_30.0007.D
Level 3	ICRT 410-199563/8	272021_11_30.0008.D
Level 4	IC 410-199563/9	272021_11_30.0009.D
Level 5	IC 410-199563/10	272021_11_30.0010.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Methanol	0.340	0.340	0.340	0.340	0.340						0.310 - 0.370	0.340
Ethanol	0.443	0.440	0.440	0.440	0.440						0.410 - 0.470	0.441
Isopropanol	0.543	0.543	0.543	0.543	0.543						0.513 - 0.573	0.543
1-Propanol	0.730	0.730	0.730	0.730	0.730						0.700 - 0.760	0.730
Isobutanol	1.117	1.117	1.113	1.113	1.117						1.083 - 1.143	1.115
1-Butanol	1.390	1.390	1.390	1.390	1.390						1.360 - 1.420	1.390
Acetone	0.967	0.967	0.967	0.967	0.967						0.937 - 0.997	0.967

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 199563

SDG No.: _____

Instrument ID: 2739 GC Column: RTX200 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 11/30/2021 11:55 Calibration End Date: 11/30/2021 13:10 Calibration ID: 33570

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-199563/6	272021_11_30.0006.D
Level 2	IC 410-199563/7	272021_11_30.0007.D
Level 3	ICRT 410-199563/8	272021_11_30.0008.D
Level 4	IC 410-199563/9	272021_11_30.0009.D
Level 5	IC 410-199563/10	272021_11_30.0010.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Methanol	4503.0 3025.9	3001.2	3015.3	3060.3	Ave		3321.1282 4				19.9		20.0			
Ethanol	5639.4 4202.6	4574.0	4373.7	4317.9	Ave		4621.5161 2				12.7		20.0			
Isopropanol	4358.0 4490.8	4139.6	4365.3	4532.0	Ave		4377.1316 0				3.5		20.0			
1-Propanol	9757.6 5923.6	7006.7	6362.6	6200.0	Lin	3634415.5 4	5756.7972 7							1.0000		0.9900
Isobutanol	6919.8 6432.5	6432.1	6436.2	6583.2	Ave		6560.7500 4				3.2		20.0			
1-Butanol	4469.7 6242.2	5296.4	5567.4	6197.0	Ave		5554.5515 1				13.1		20.0			
Acetone	3879.2 3629.7	3880.5	3627.1	3724.7	Ave		3748.2322 6				3.4		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 199563

SDG No.: _____

Instrument ID: 2739 GC Column: RTX200 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 11/30/2021 11:55 Calibration End Date: 11/30/2021 13:10 Calibration ID: 33570

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-199563/6	272021_11_30.0006.D
Level 2	IC 410-199563/7	272021_11_30.0007.D
Level 3	ICRT 410-199563/8	272021_11_30.0008.D
Level 4	IC 410-199563/9	272021_11_30.0009.D
Level 5	IC 410-199563/10	272021_11_30.0010.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Methanol	Ave	4515625	7523960	15118753	30688542	60686464	1003	2507	5014	10028	20056
Ethanol	Ave	5641667	11439584	21877083	43195834	84086461	1000	2501	5002	10004	20008
Isopropanol	Ave	4366669	10369790	21870313	45410419	89994796	1002	2505	5010	10020	20040
1-Propanol	Lin	9893232	17760412	32255211	62861980	120119796	1014	2535	5070	10139	20278
Isobutanol	Ave	7119273	16543750	33108857	67730209	132358340	1029	2572	5144	10288	20577
1-Butanol	Ave	4620833	13688542	28778128	64065107	129064590	1034	2585	5169	10338	20676
Acetone	Ave	3885418	9716666	18164583	37306772	72709379	1002	2504	5008	10016	20032

Curve Type Legend

Ave = Average
Lin = Linear

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 199563

SDG No.: _____

Instrument ID: 2739 GC Column: RTX200 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 11/30/2021 11:55 Calibration End Date: 11/30/2021 13:10 Calibration ID: 33570

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-199563/6	272021_11_30.0006.D
Level 2	IC 410-199563/7	272021_11_30.0007.D
Level 3	ICRT 410-199563/8	272021_11_30.0008.D
Level 4	IC 410-199563/9	272021_11_30.0009.D
Level 5	IC 410-199563/10	272021_11_30.0010.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	
1-Propanol	7.2	-3.2	-1.9	1.5	-0.2		50	30	30	30	30	

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0006.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 30-Nov-2021 11:55:00 ALS Bottle#: 0 Worklist Smp#: 6
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045155-006
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 07:24:44 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 30-Nov-2021 13:18:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.340	0.340	0.000	4515625	1002.8	1359.7	
2	0.723	0.720	0.003	7284195	1002.8	1056.0	M
RPD = 25.14							
2 Ethanol							M
1	0.443	0.440	0.003	5641667	1000.4	1220.7	
2	1.650	1.653	-0.003	10601579	1000.4	1002.9	M
RPD = 19.59							
3 Isopropyl alcohol							M
1	0.543	0.543	0.000	4366669	1002.0	997.6	
2	2.947	2.947	0.000	11736793	1002.0	1014.4	M
RPD = 1.67							
4 Propanol							
1	0.730	0.730	0.000	9893232	1013.9	1087.2	
2	3.520	3.523	-0.003	6449995	1013.9	919.3	
RPD = 16.73							
\$ 5 Acetone							M
1	0.967	0.967	0.000	3885418	1001.6	1036.6	
2	2.627	2.623	0.004	10616486	1001.6	1052.6	M
RPD = 1.53							
6 Isobutyl alcohol							
1	1.117	1.113	0.003	7119273	1028.8	1085.1	
7 n-Butanol							
1	1.390	1.390	0.000	4620833	1033.8	831.9	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME1_00009

Amount Added: 1.00

Units: mL

Report Date: 01-Dec-2021 07:24:44

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurolins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0006.D

Injection Date: 30-Nov-2021 11:55:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 1.000 uL

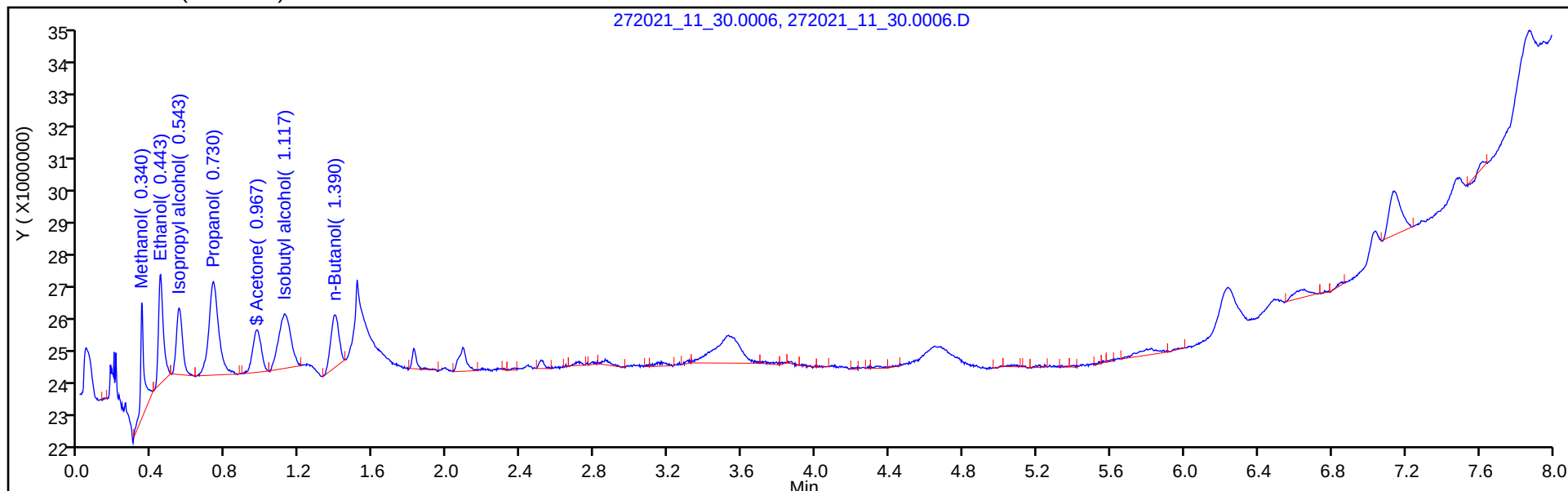
Dil. Factor: 1.0000

ALS Bottle#: 0

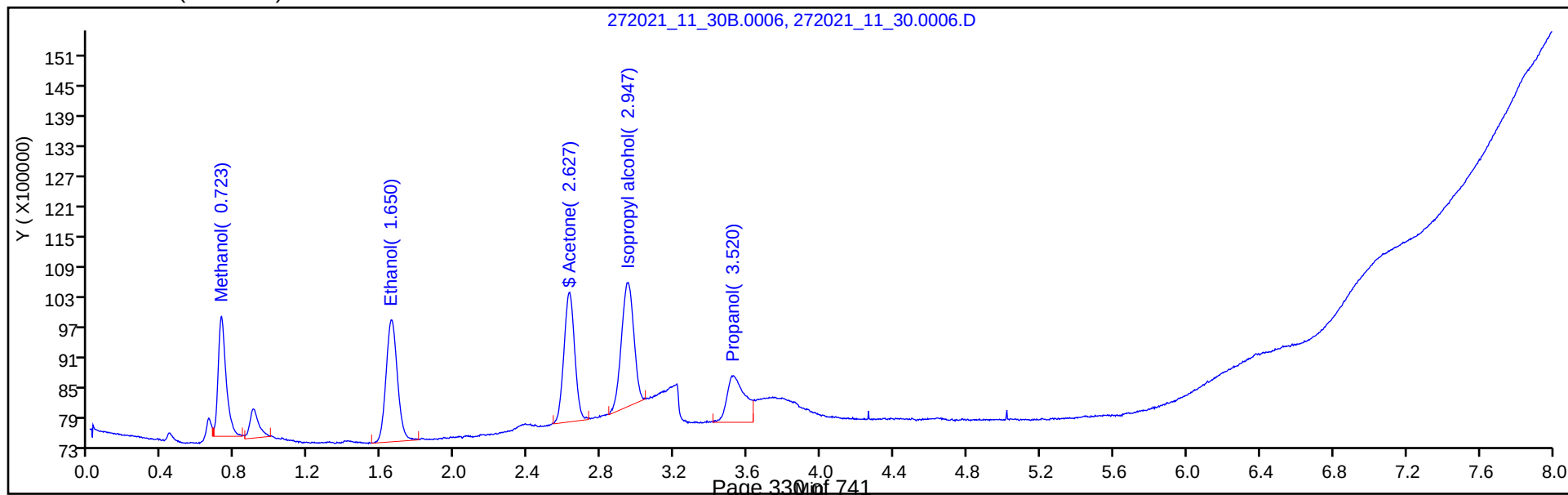
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0007.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 30-Nov-2021 12:14:00 ALS Bottle#: 0 Worklist Smp#: 7
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045155-007
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 07:24:45 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 30-Nov-2021 13:19:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.340	0.340	0.000	7523960	2507.0	2265.5	M
2	0.723	0.720	0.003	15193961	2507.0	2202.7	M
RPD = 2.81							
2 Ethanol							M
1	0.440	0.440	0.000	11439584	2501.0	2475.3	M
2	1.657	1.653	0.004	24704167	2501.0	2337.1	M
RPD = 5.74							
3 Isopropyl alcohol							M
1	0.543	0.543	0.000	10369790	2505.0	2369.1	M
2	2.947	2.947	0.000	28045192	2505.0	2423.9	M
RPD = 2.29							
4 Propanol							M
1	0.730	0.730	0.000	17760412	2534.8	2453.8	M
2	3.513	3.523	-0.010	12426149	2534.8	1771.1	M
RPD = 32.32							
\$ 5 Acetone							Ma
1	0.967	0.967	0.000	9716666	2504.0	2592.3	M
2	2.627	2.623	0.004	26464535	2504.0	2623.8	M
RPD = 1.21							
6 Isobutyl alcohol							M
1	1.117	1.113	0.003	16543750	2572.1	2521.6	M
7 n-Butanol							Ma
1	1.390	1.390	0.000	13688542	2584.5	2464.4	Ma

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

EPH_LLME2_00008

Amount Added: 1.00

Units: mL

Report Date: 01-Dec-2021 07:24:45

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0007.D

Injection Date: 30-Nov-2021 12:14:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 7

Client ID:

Purge Vol: 1.000 uL

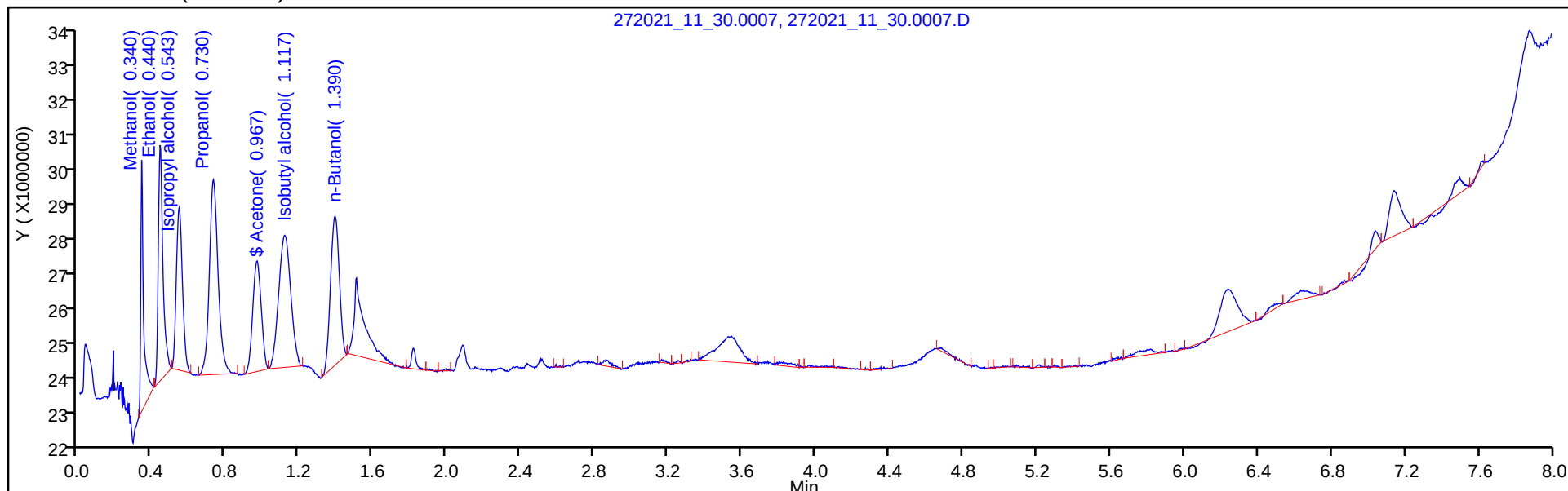
Dil. Factor: 1.0000

ALS Bottle#: 0

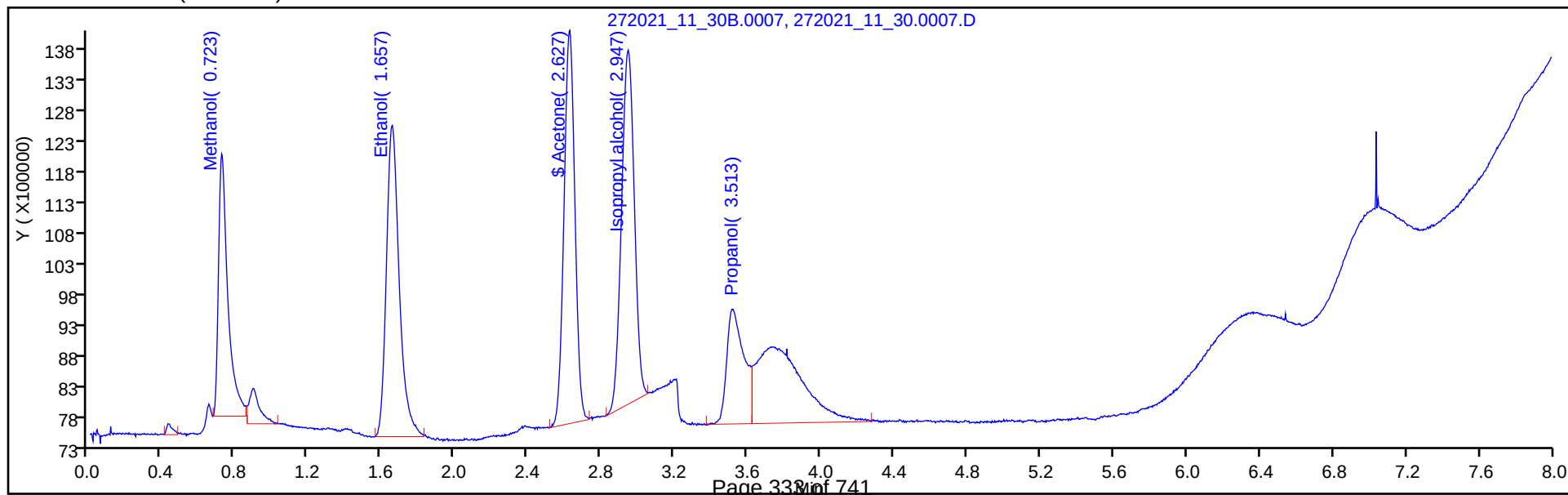
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

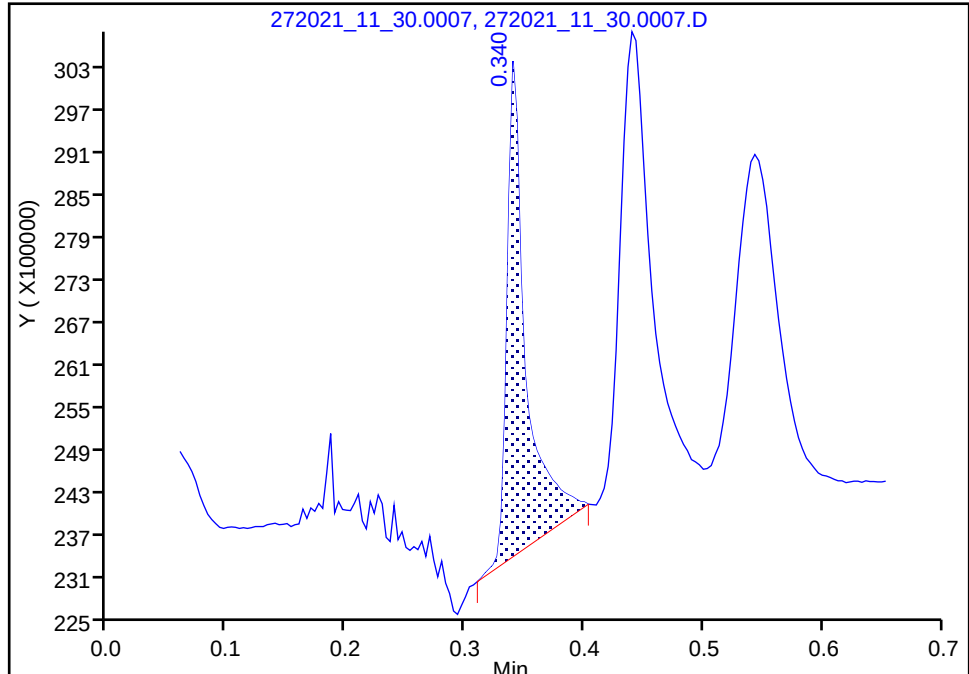
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0007.D
Injection Date: 30-Nov-2021 12:14:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

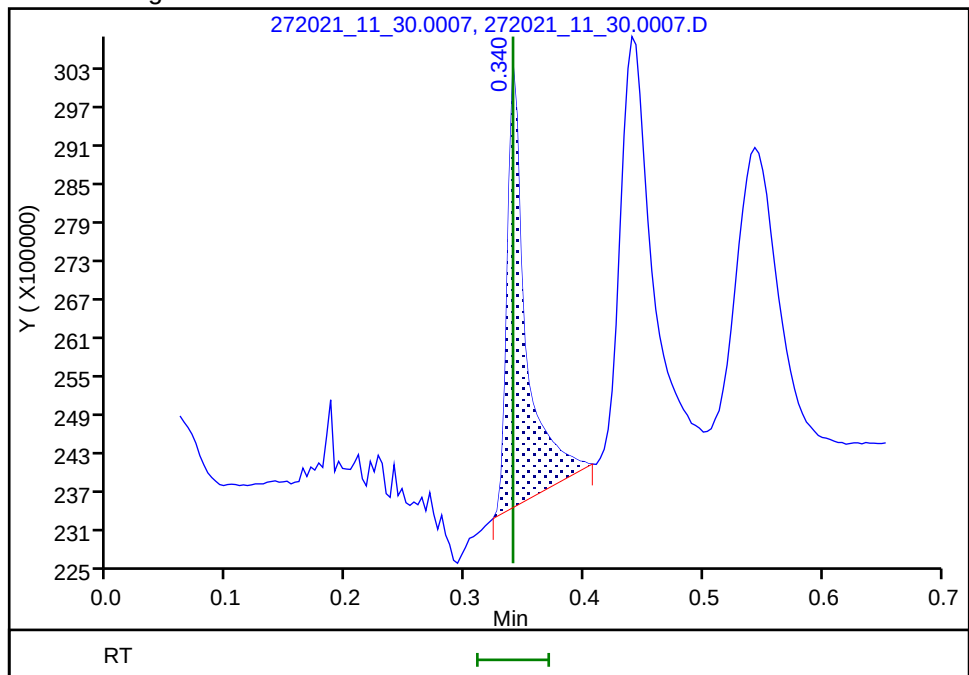
RT: 0.34
Area: 7648959
Amount: 2303.1099
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 7523960
Amount: 2265.4831
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:51:00
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

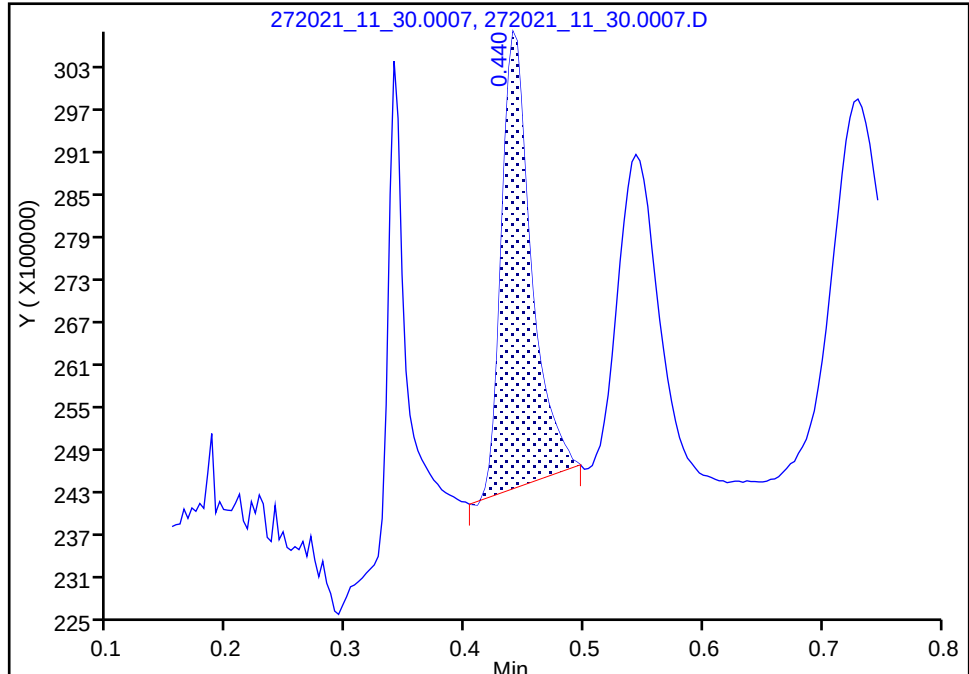
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0007.D
Injection Date: 30-Nov-2021 12:14:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

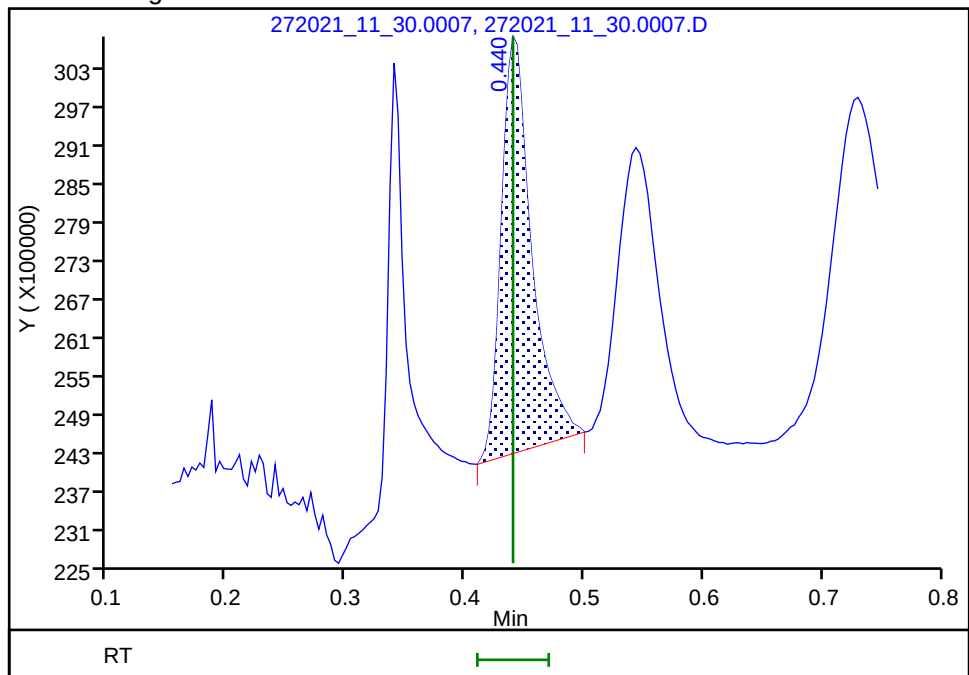
RT: 0.44
Area: 11081249
Amount: 2420.4489
Amount Units: ug/l

Processing Integration Results



RT: 0.44
Area: 11439584
Amount: 2475.2881
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:50:56
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

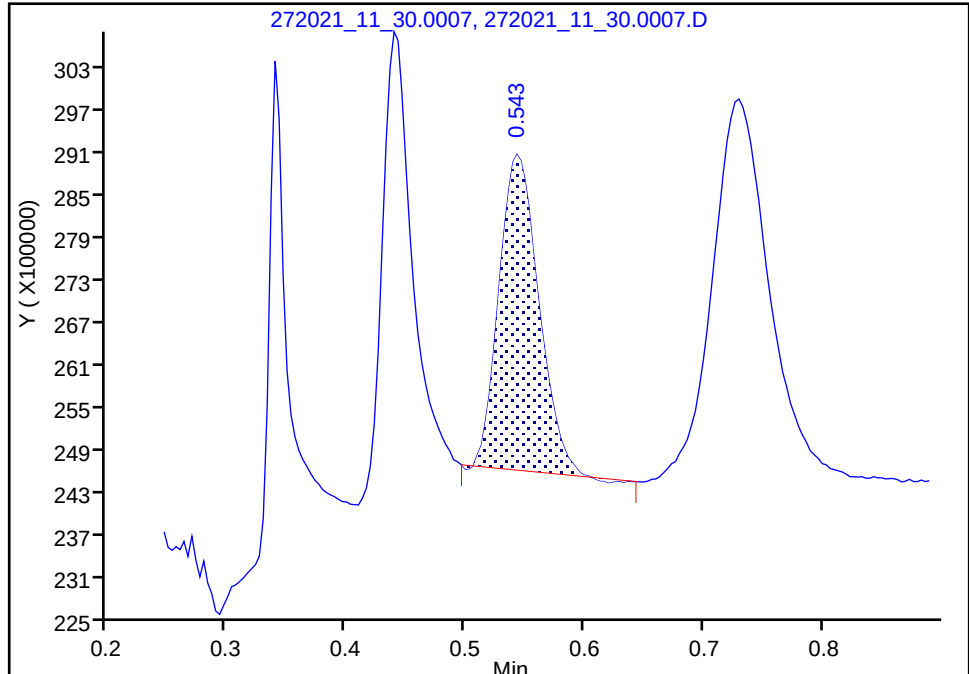
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0007.D
Injection Date: 30-Nov-2021 12:14:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

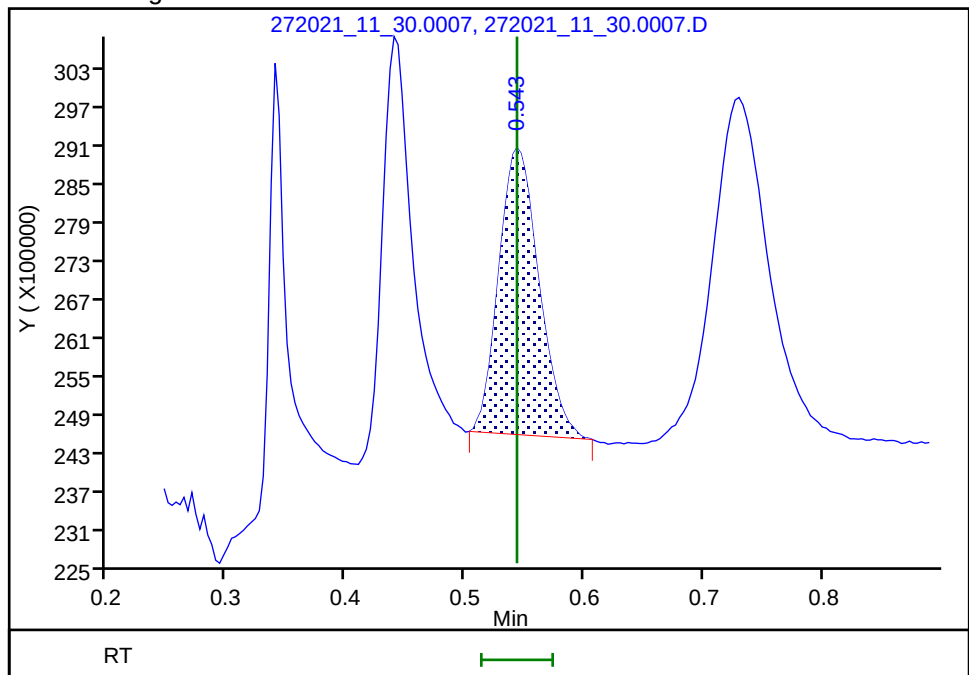
RT: 0.54
Area: 10171354
Amount: 2338.3549
Amount Units: ug/l

Processing Integration Results



RT: 0.54
Area: 10369790
Amount: 2369.0834
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:50:52

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

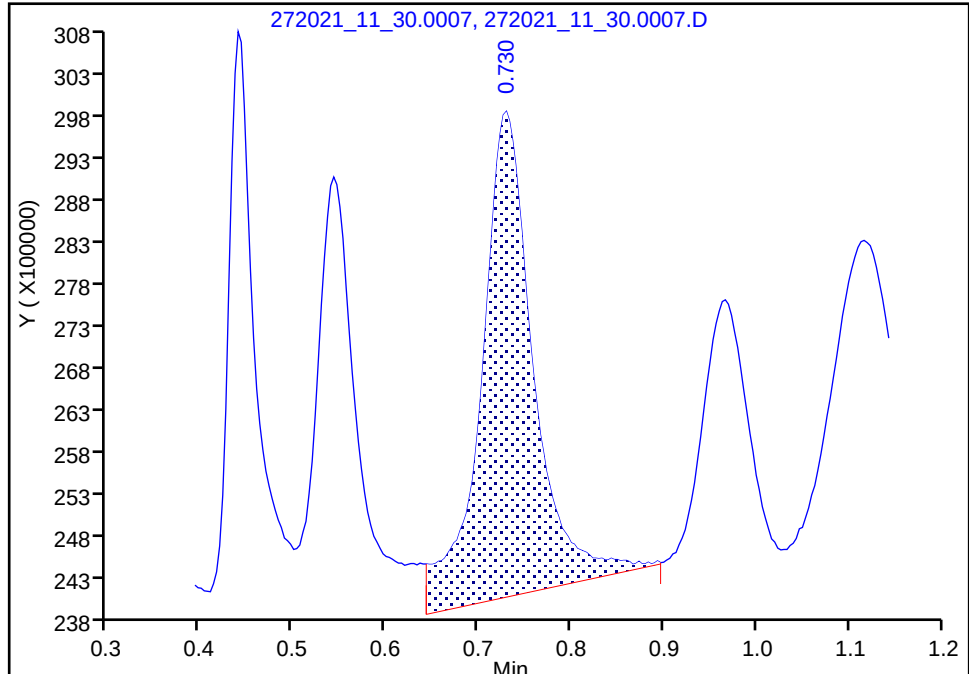
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0007.D
Injection Date: 30-Nov-2021 12:14:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

4 Propanol, CAS: 71-23-8

Signal: 1

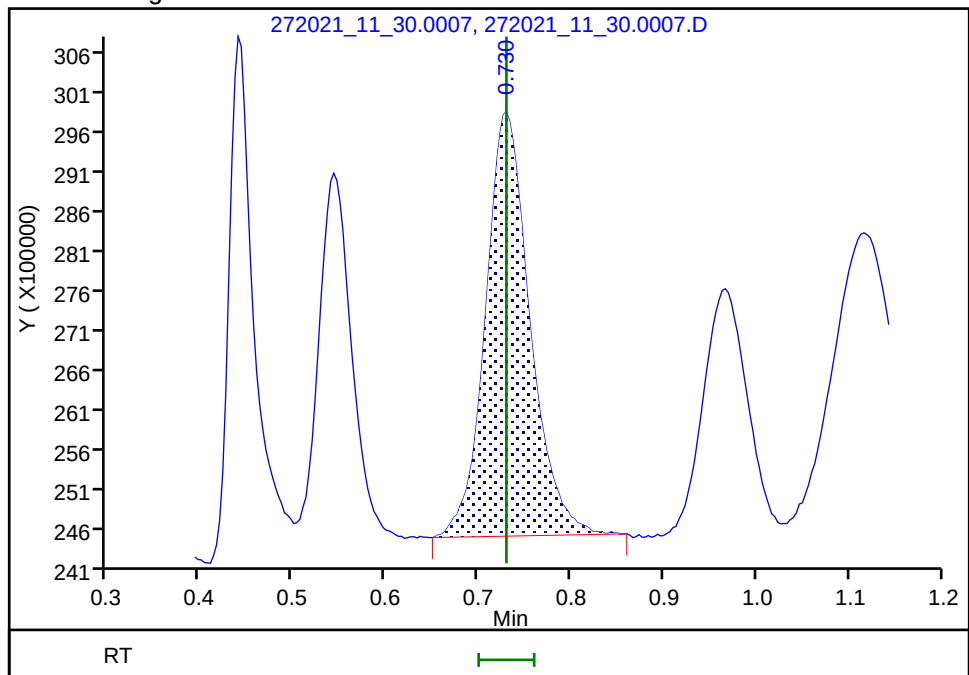
RT: 0.73
Area: 22610942
Amount: 2800.7047
Amount Units: ug/l

Processing Integration Results



RT: 0.73
Area: 17760412
Amount: 2453.7943
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:51:04
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 337 of 741

Eurofins Lancaster Laboratories Env, LLC

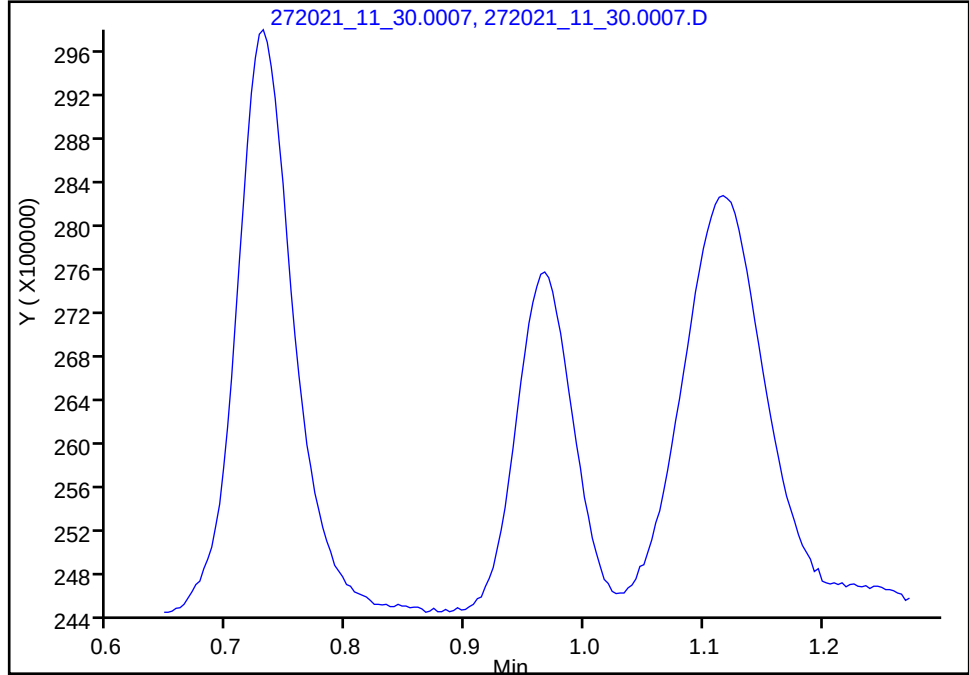
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0007.D
Injection Date: 30-Nov-2021 12:14:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector 0FIDA

\$ 5 Acetone, CAS: 67-64-1

Signal: 1

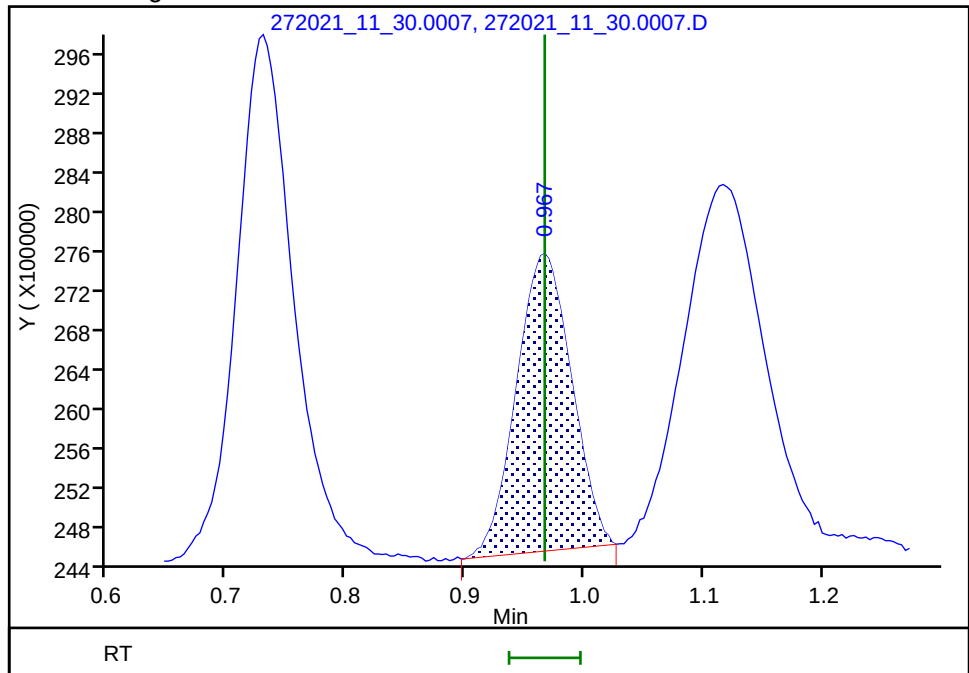
RT: 0.97
Area: 0
Amount: 2668.8008
Amount Units: ug/l

Processing Integration Results



RT: 0.97
Area: 9716666
Amount: 2592.3330
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:51:10

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

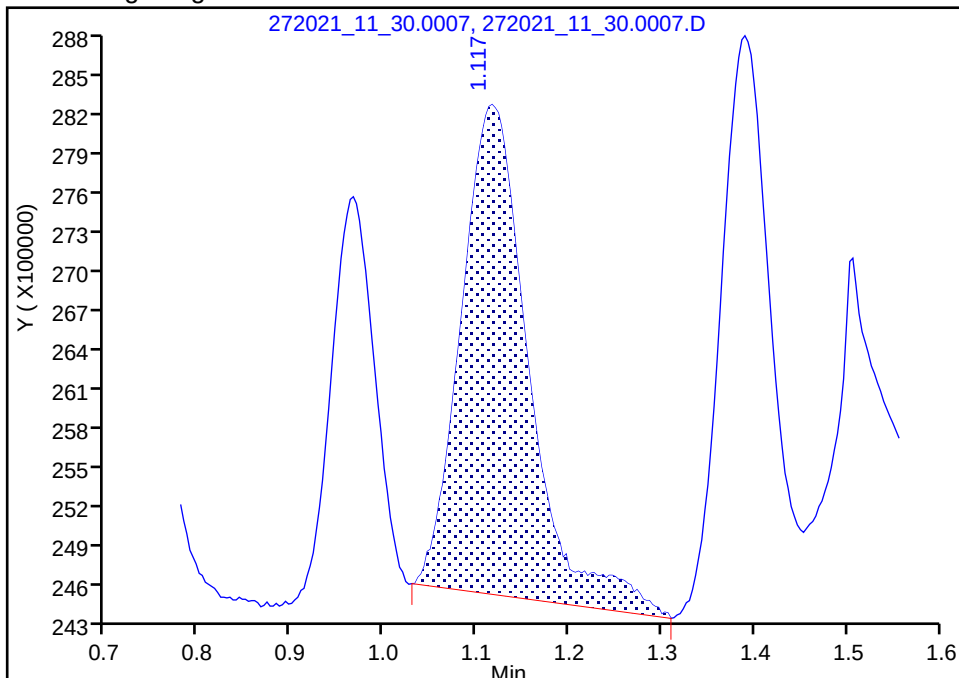
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0007.D
Injection Date: 30-Nov-2021 12:14:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

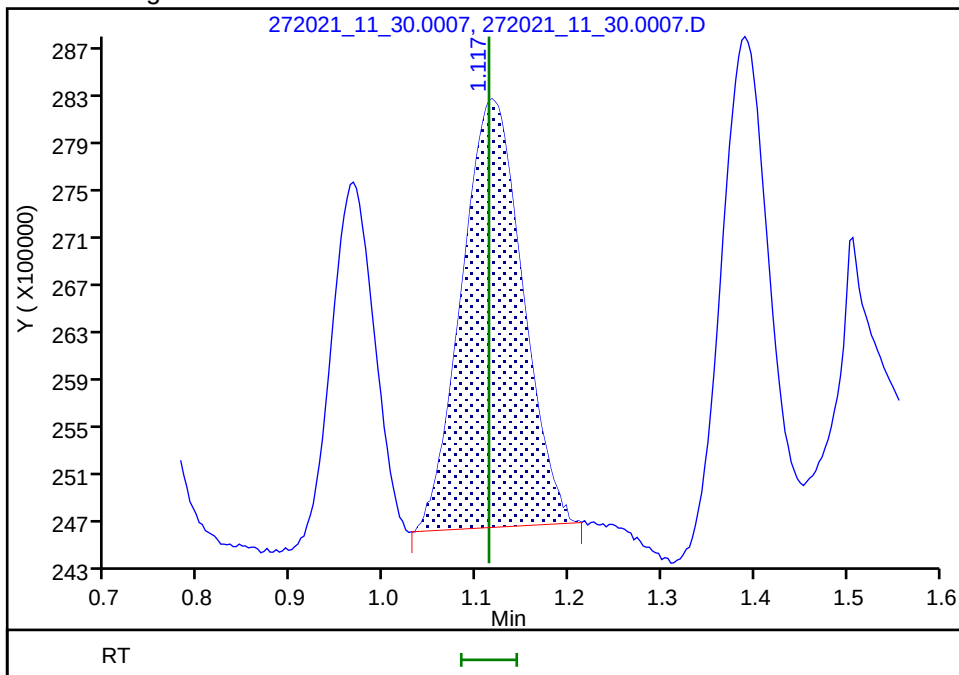
RT: 1.12
Area: 18990104
Amount: 2790.7973
Amount Units: ug/l

Processing Integration Results



RT: 1.12
Area: 16543750
Amount: 2521.6248
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:51:13
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

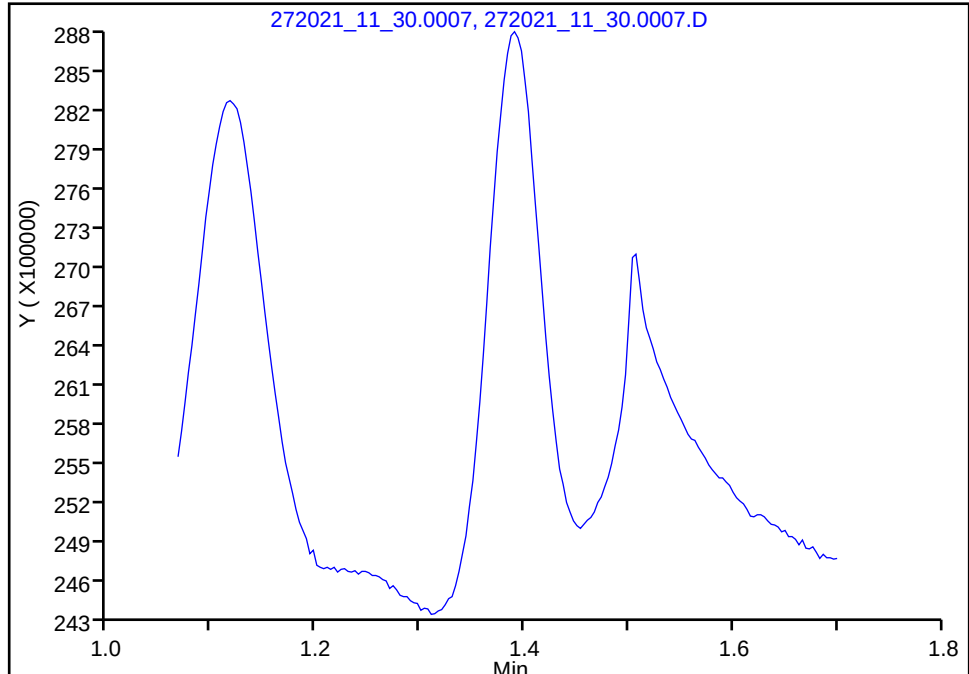
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0007.D
Injection Date: 30-Nov-2021 12:14:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

7 n-Butanol, CAS: 71-36-3

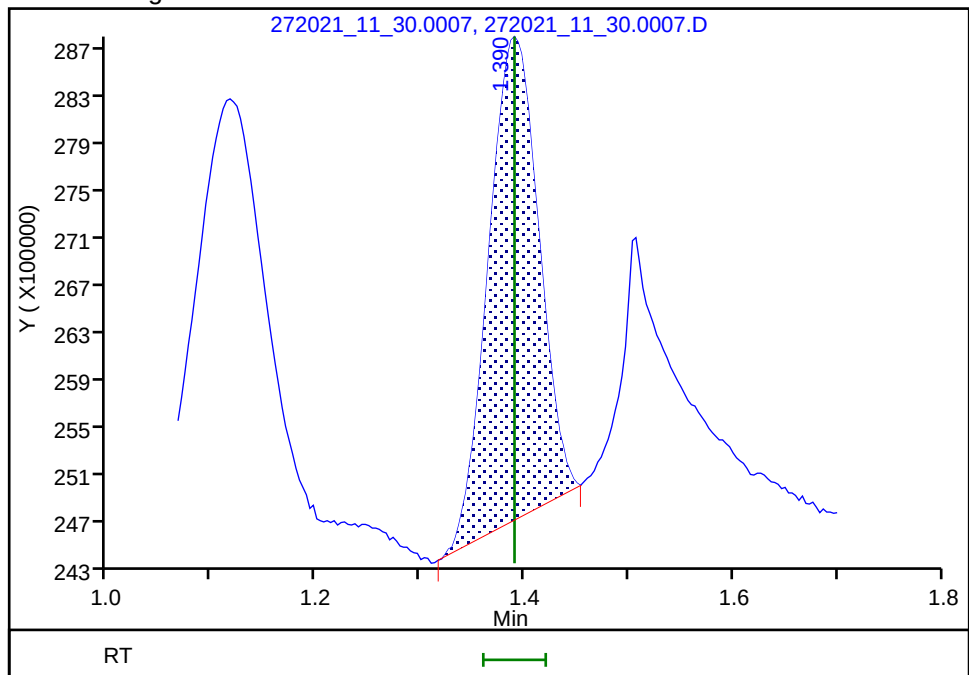
Signal: 1

Not Detected
Expected RT: 1.39

Processing Integration Results



Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:51:18

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0008.D
 Lims ID: icrt
 Client ID:
 Sample Type: ICRT Calib Level: 3
 Inject. Date: 30-Nov-2021 12:33:00 ALS Bottle#: 0 Worklist Smp#: 8
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: icrt
 Misc. Info.: 410-0045155-008
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 07:24:46 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 30-Nov-2021 13:18:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.340	0.340	0.000	15118753	5014.0	4552.3	
2	0.720	0.720	0.000	33626376	5014.0	4874.8	M
RPD = 6.84							
2 Ethanol							M
1	0.440	0.440	0.000	21877083	5002.0	4733.7	M
2	1.653	1.653	0.000	53358097	5002.0	5047.8	M
RPD = 6.42							
3 Isopropyl alcohol							M
1	0.543	0.543	0.000	21870313	5010.0	4996.5	M
2	2.947	2.947	0.000	58484074	5010.0	5054.7	M
RPD = 1.16							
4 Propanol							M
1	0.730	0.730	0.000	32255211	5069.5	4971.7	M
2	3.523	3.523	0.000	42235416	5069.5	6019.8	
RPD = 19.07							
\$ 5 Acetone							M
1	0.967	0.967	0.000	18164583	5008.0	4846.2	
2	2.623	2.623	0.000	49299949	5008.0	4887.8	M
RPD = 0.86							
6 Isobutyl alcohol							M
1	1.113	1.113	0.000	33108857	5144.2	5046.5	M
7 n-Butanol							
1	1.390	1.390	0.000	28778128	5169.0	5181.0	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME3_00026

Amount Added: 1.00

Units: mL

Report Date: 01-Dec-2021 07:24:46

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0008.D

Injection Date: 30-Nov-2021 12:33:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: icrt

Worklist Smp#: 8

Client ID:

Purge Vol: 1.000 uL

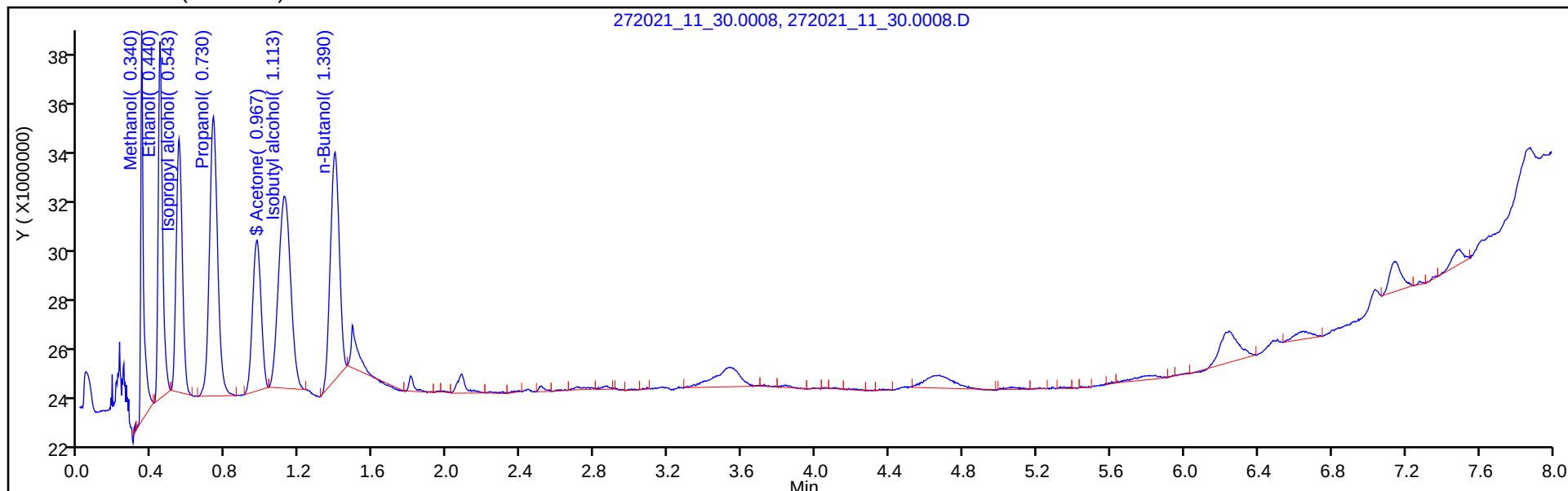
Dil. Factor: 1.0000

ALS Bottle#: 0

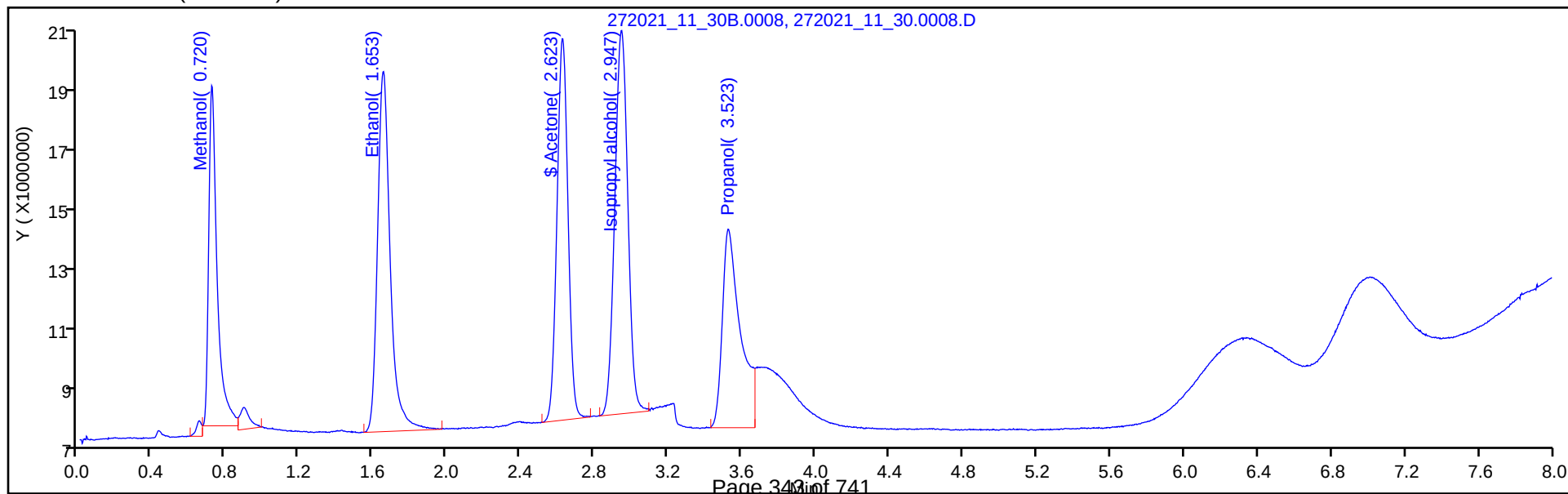
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

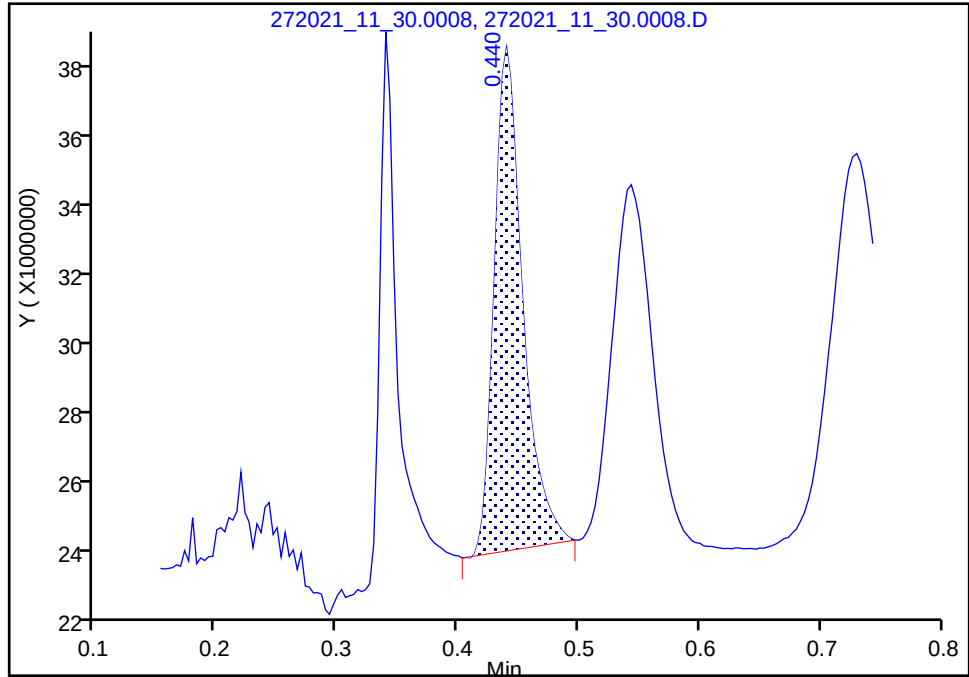
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0008.D
Injection Date: 30-Nov-2021 12:33:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

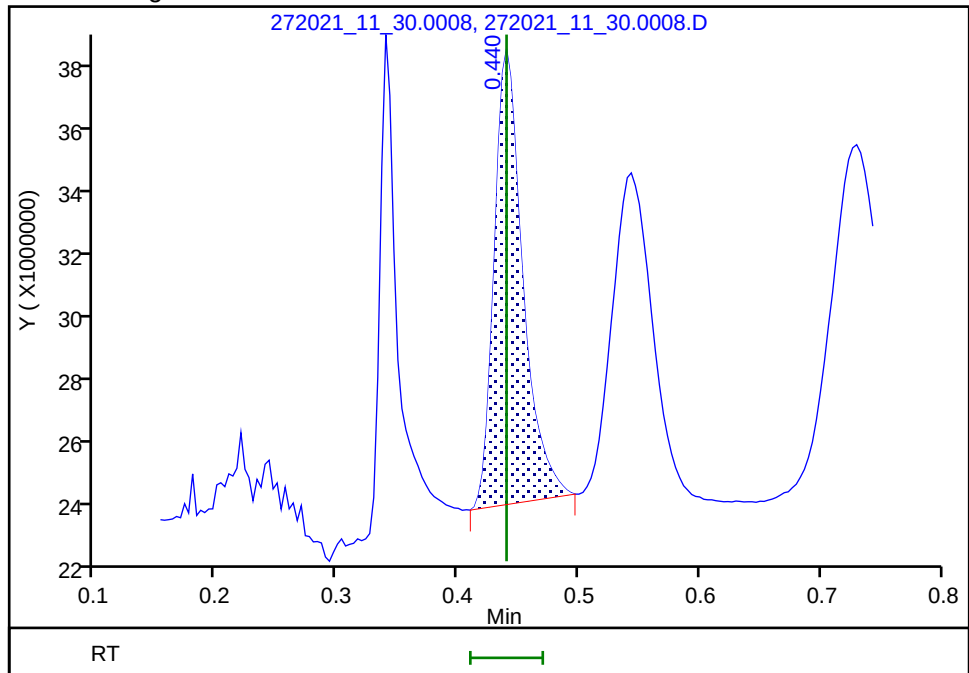
RT: 0.44
Area: 21799481
Amount: 4731.9869
Amount Units: ug/l

Processing Integration Results



RT: 0.44
Area: 21877083
Amount: 4733.7459
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:51:44
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

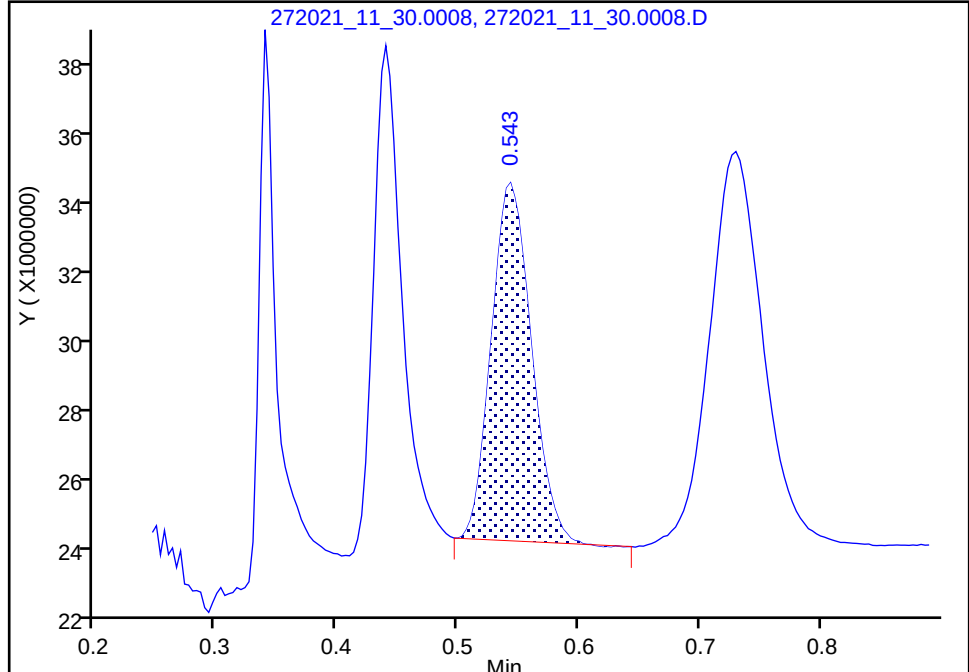
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0008.D
Injection Date: 30-Nov-2021 12:33:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

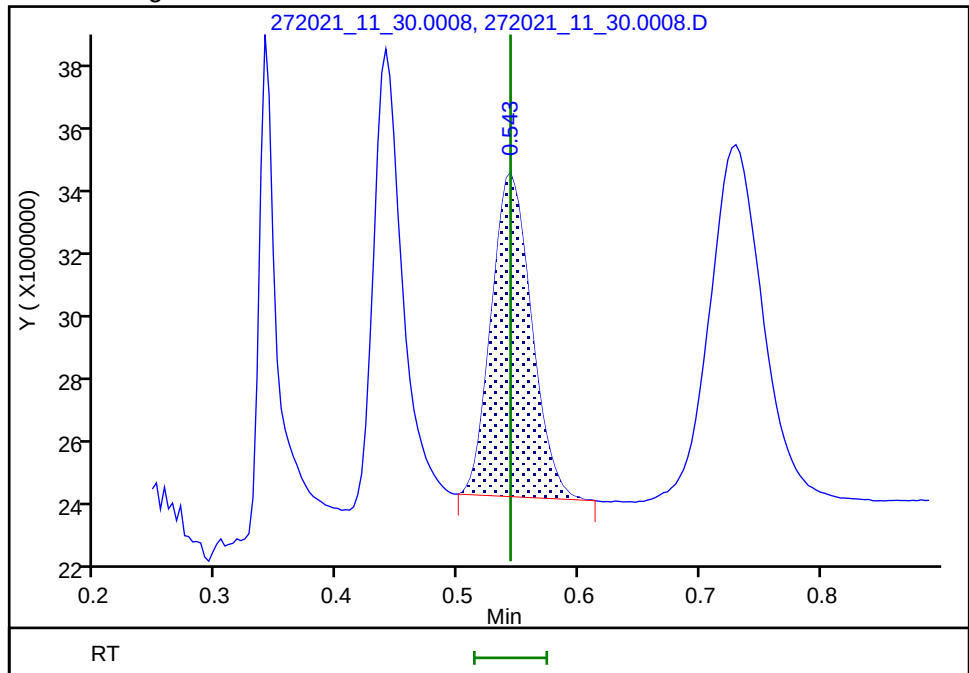
RT: 0.54
Area: 21808855
Amount: 4995.5760
Amount Units: ug/l

Processing Integration Results



RT: 0.54
Area: 21870313
Amount: 4996.4943
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:51:47
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 345 of 741

Eurofins Lancaster Laboratories Env, LLC

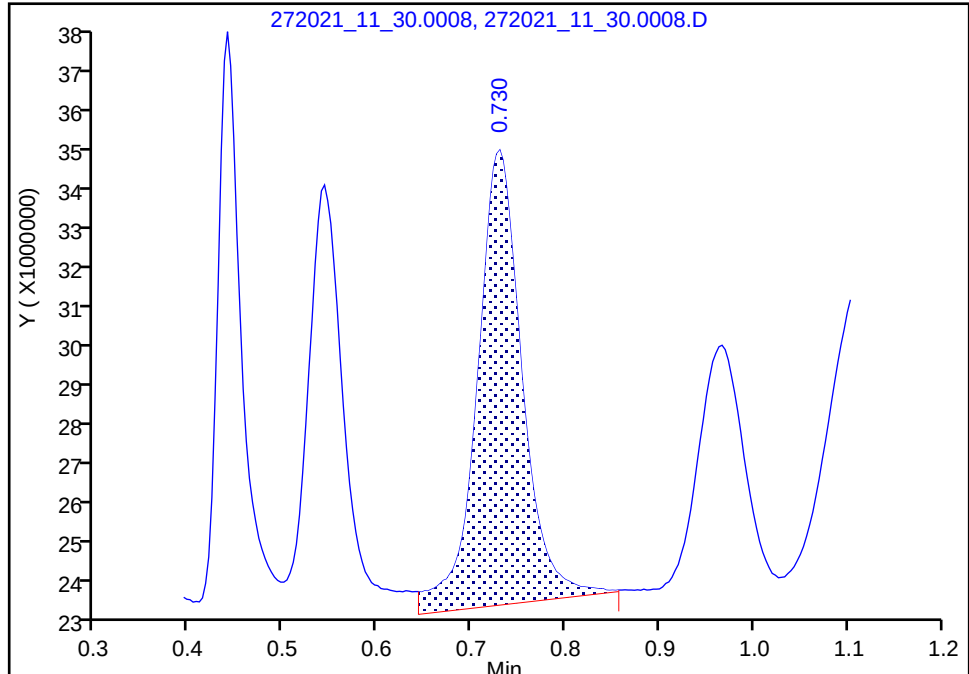
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0008.D
Injection Date: 30-Nov-2021 12:33:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

4 Propanol, CAS: 71-23-8

Signal: 1

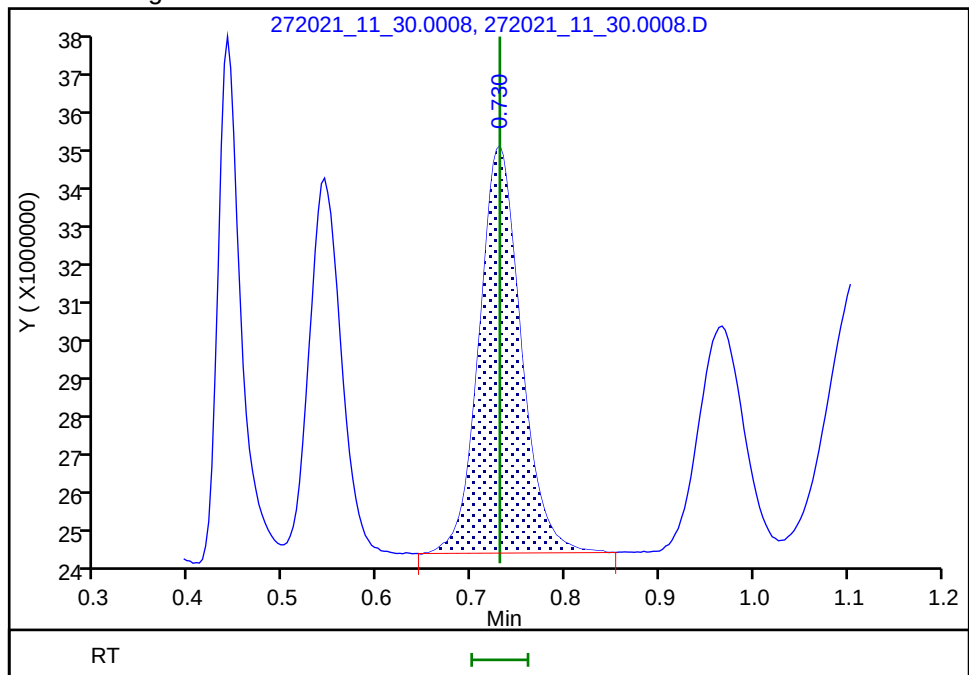
RT: 0.73
Area: 35945165
Amount: 4911.3017
Amount Units: ug/l

Processing Integration Results



RT: 0.73
Area: 32255211
Amount: 4971.6525
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:51:27

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

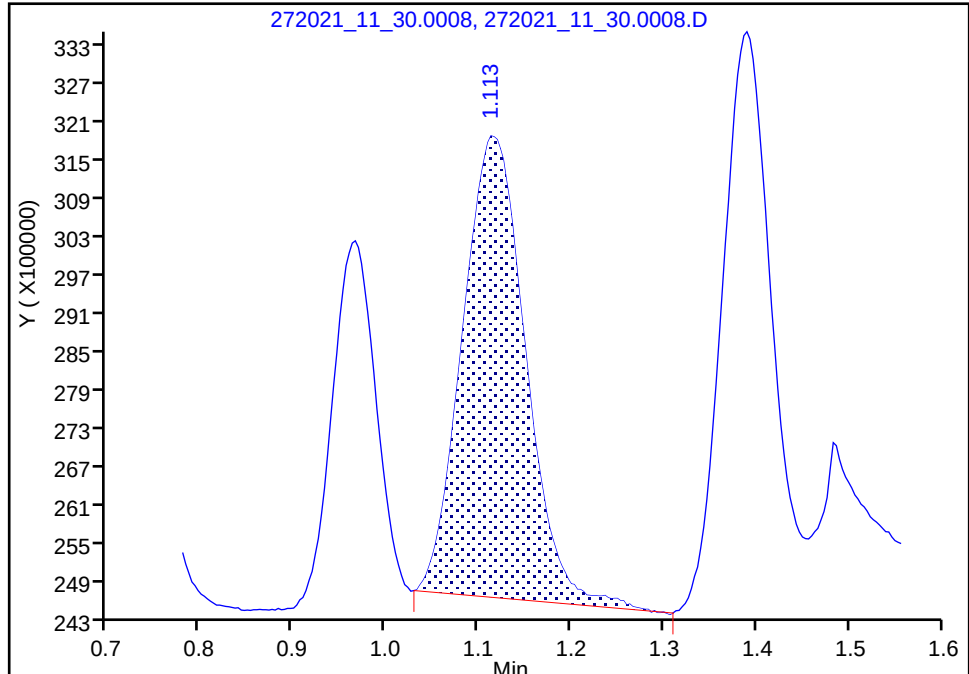
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0008.D
Injection Date: 30-Nov-2021 12:33:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

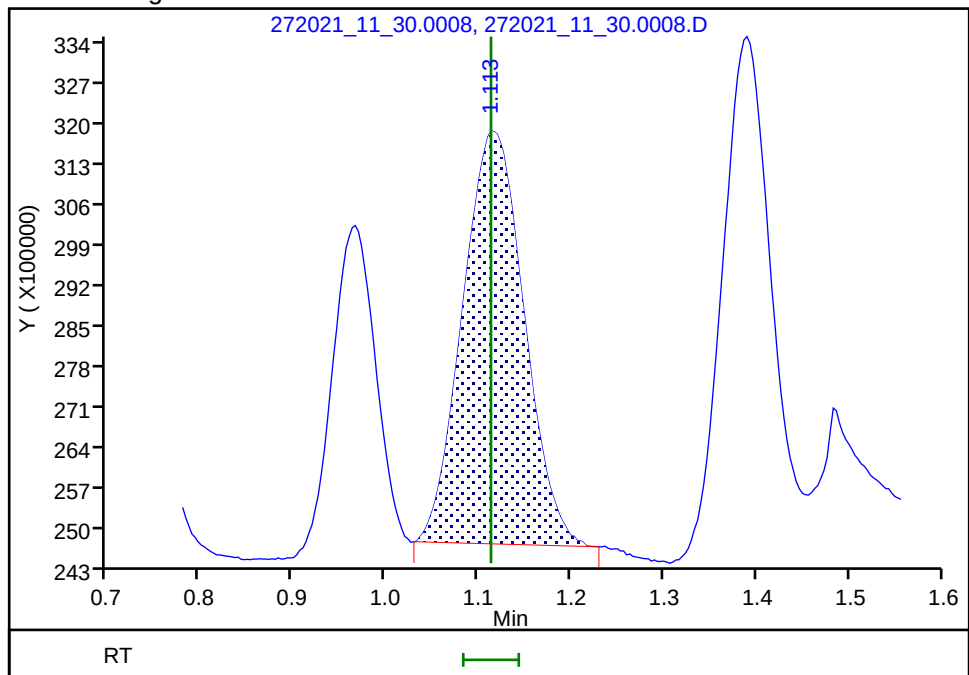
RT: 1.11
Area: 34405212
Amount: 5201.6247
Amount Units: ug/l

Processing Integration Results



RT: 1.11
Area: 33108857
Amount: 5046.5049
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:51:30
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 347 of 741

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0009.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 30-Nov-2021 12:51:00 ALS Bottle#: 0 Worklist Smp#: 9
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045155-009
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 07:24:47 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 30-Nov-2021 13:20:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.340	0.340	0.000	30688542	10028	9240.4	M
2	0.720	0.720	0.000	71708332	10028	10396	
RPD = 11.77							
2 Ethanol							M
1	0.440	0.440	0.000	43195834	10004	9346.7	M
2	1.650	1.653	-0.003	107977629	10004	10215	M
RPD = 8.88							
3 Isopropyl alcohol							M
1	0.543	0.543	0.000	45410419	10020	10374	M
2	2.943	2.947	-0.004	116571064	10020	10075	M
RPD = 2.93							
4 Propanol							M
1	0.730	0.730	0.000	62861980	10139	10288	M
2	3.517	3.523	-0.006	77385600	10139	11030	M
RPD = 6.96							
\$ 5 Acetone							M
1	0.967	0.967	0.000	37306772	10016	9953.2	M
2	2.623	2.623	0.000	97532887	10016	9669.8	M
RPD = 2.89							
6 Isobutyl alcohol							M
1	1.113	1.113	0.000	67730209	10288	10324	M
7 n-Butanol							
1	1.390	1.390	0.000	64065107	10338	11534	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME4_00008

Amount Added: 1.00

Units: mL

Report Date: 01-Dec-2021 07:24:47

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0009.D

Injection Date: 30-Nov-2021 12:51:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 9

Client ID:

Purge Vol: 1.000 uL

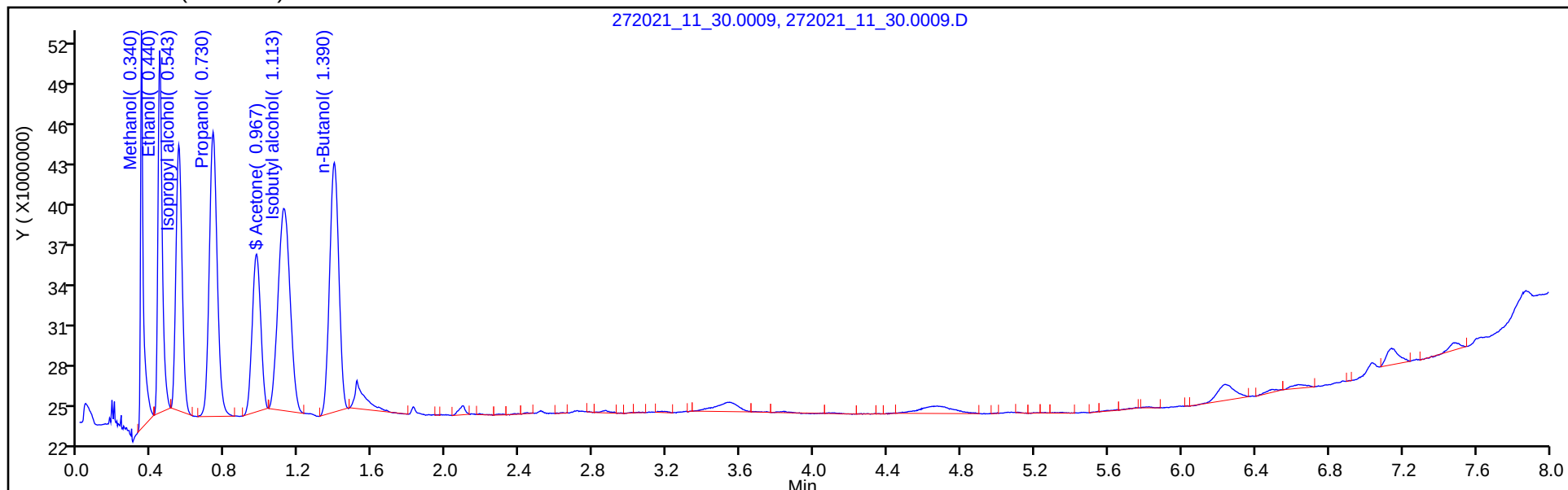
Dil. Factor: 1.0000

ALS Bottle#: 0

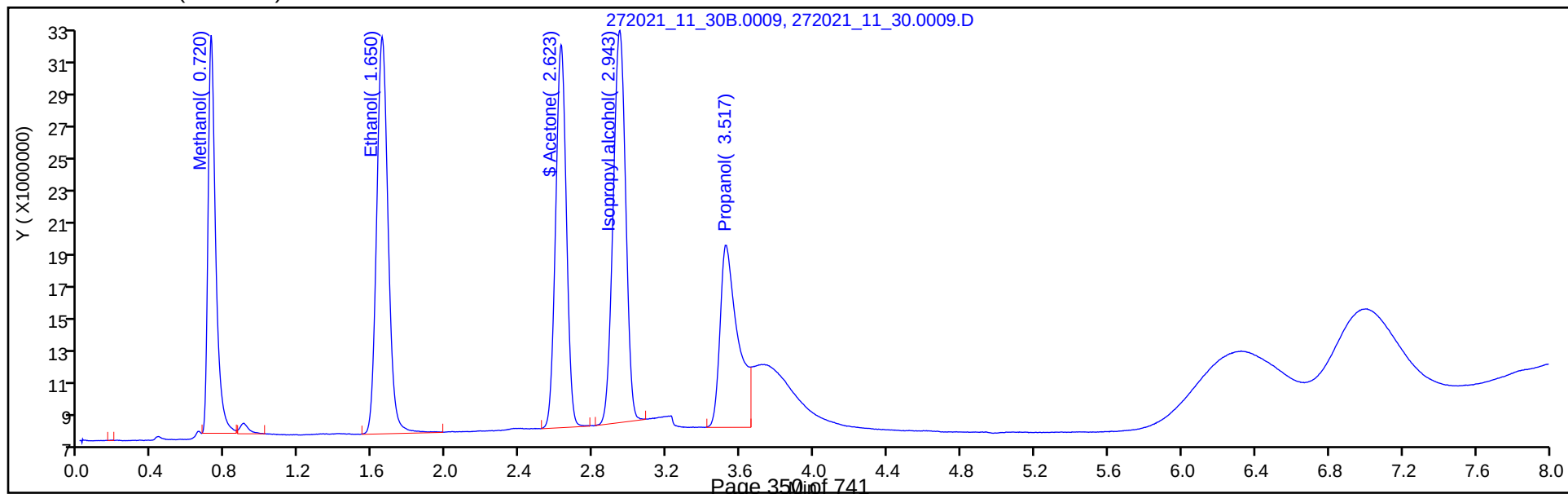
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

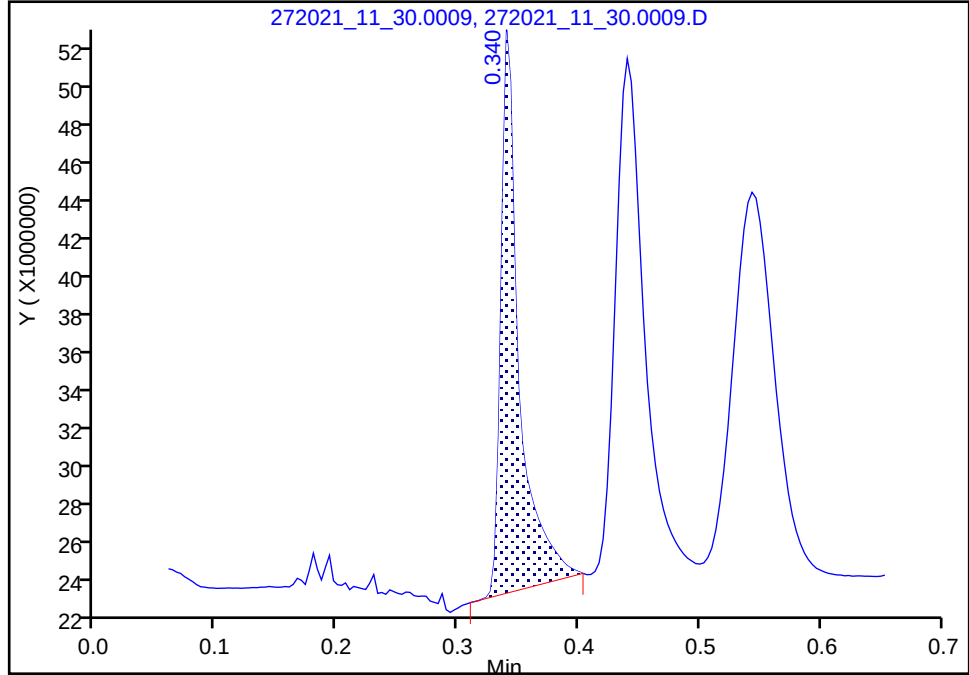
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0009.D
Injection Date: 30-Nov-2021 12:51:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

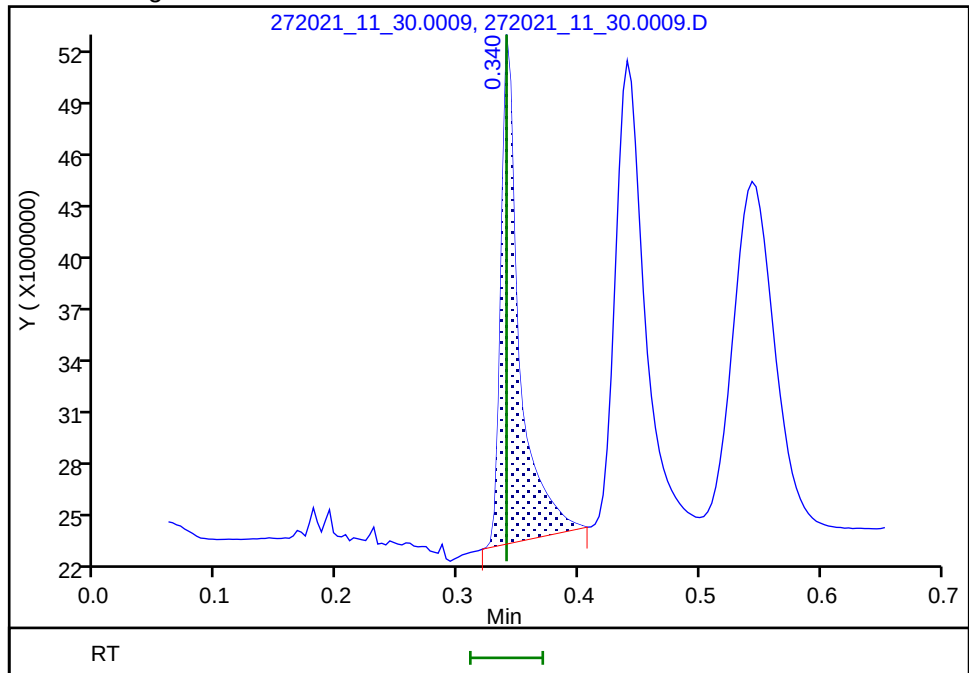
RT: 0.34
Area: 30449480
Amount: 10051
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 30688542
Amount: 9240.3966
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:52:48
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
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Eurofins Lancaster Laboratories Env, LLC

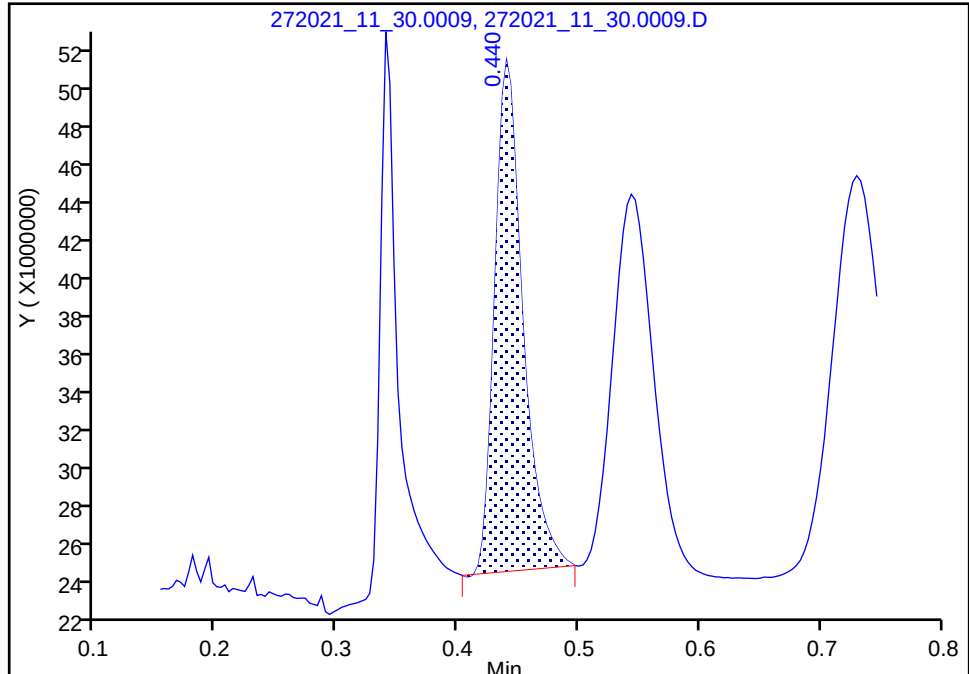
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0009.D
Injection Date: 30-Nov-2021 12:51:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

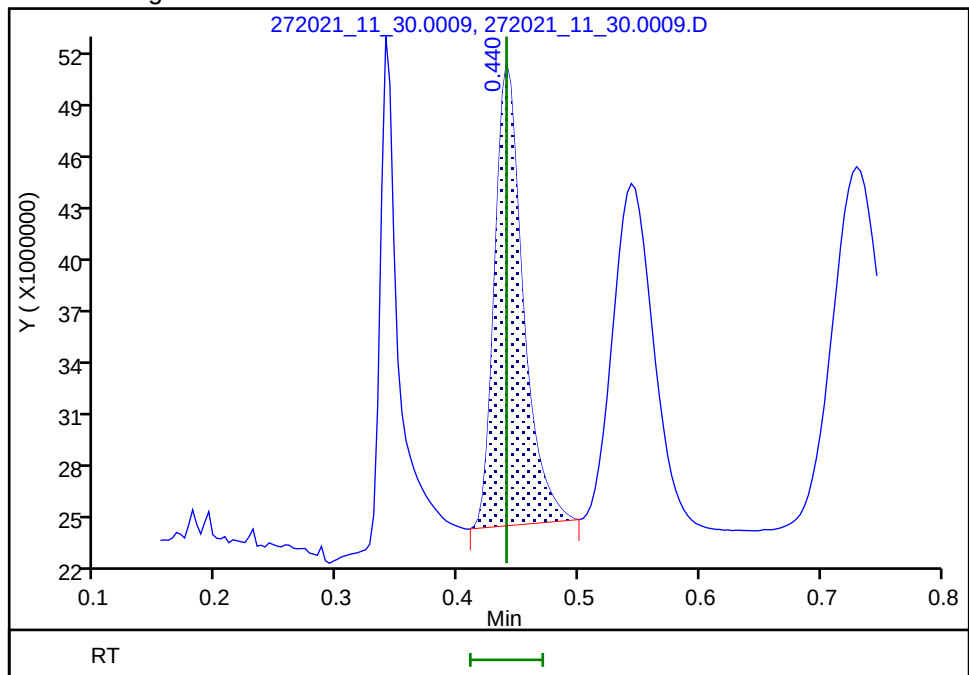
RT: 0.44
Area: 42815625
Amount: 9287.6803
Amount Units: ug/l

Processing Integration Results



RT: 0.44
Area: 43195834
Amount: 9346.6804
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:52:41
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 352 of 741

Eurofins Lancaster Laboratories Env, LLC

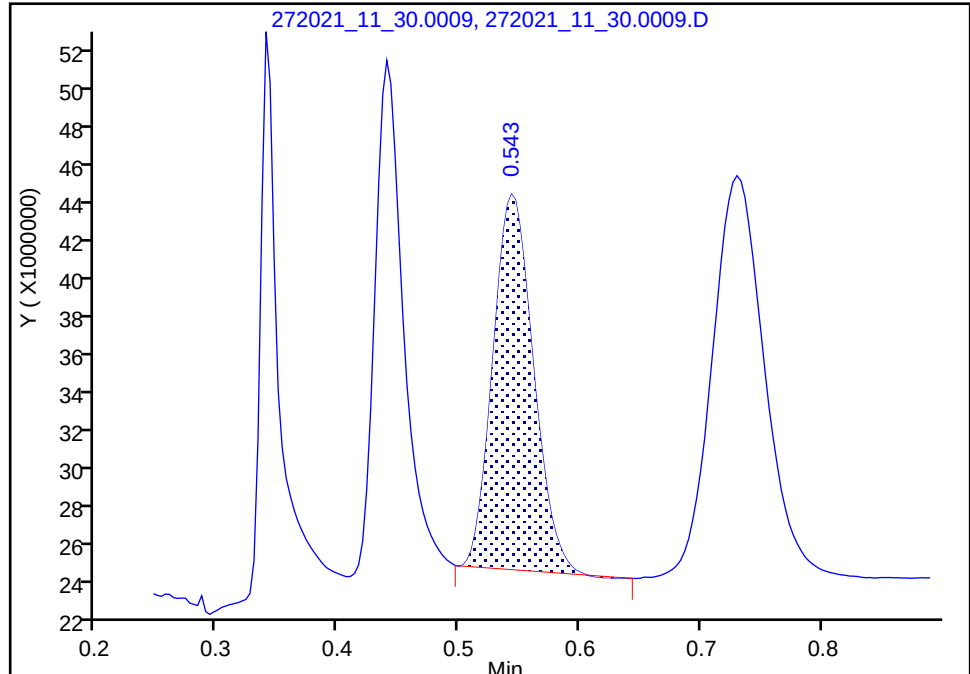
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0009.D
Injection Date: 30-Nov-2021 12:51:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

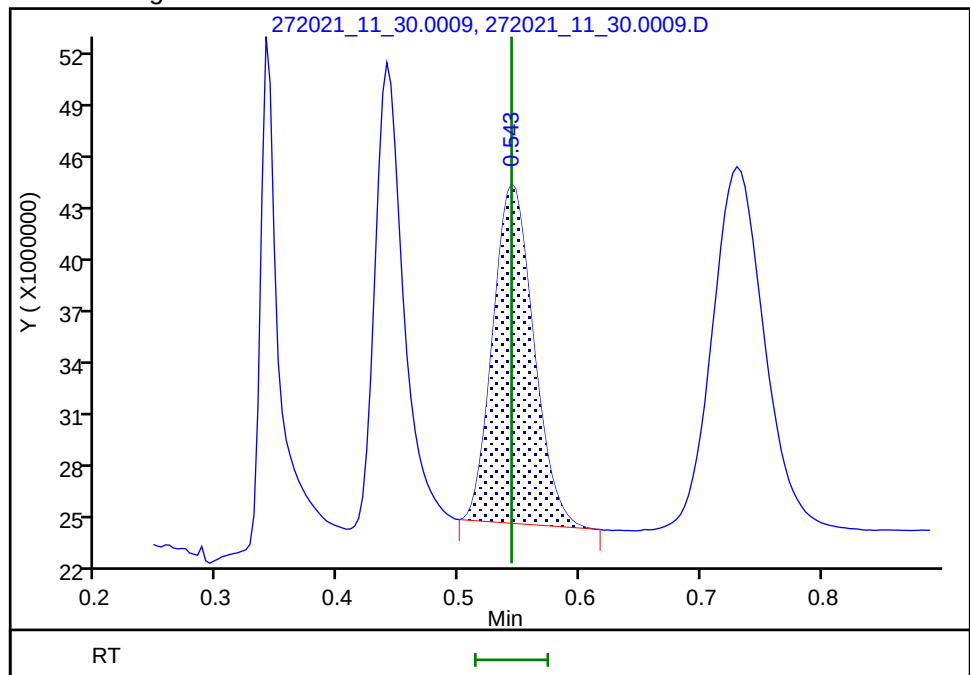
RT: 0.54
Area: 45144794
Amount: 10335
Amount Units: ug/l

Processing Integration Results



RT: 0.54
Area: 45410419
Amount: 10374
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:52:33
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

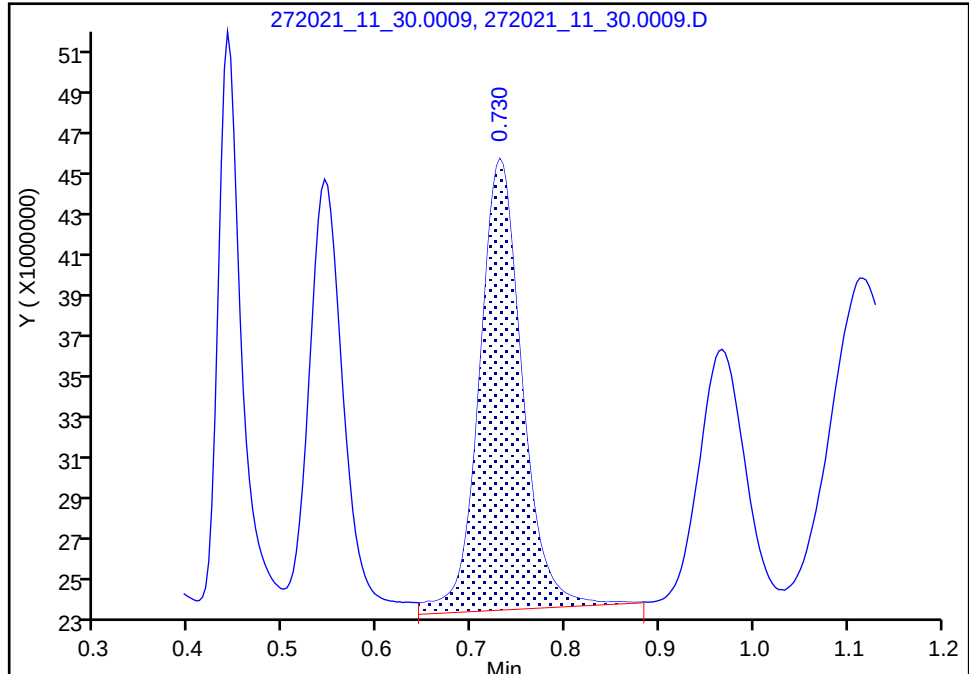
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0009.D
Injection Date: 30-Nov-2021 12:51:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

4 Propanol, CAS: 71-23-8

Signal: 1

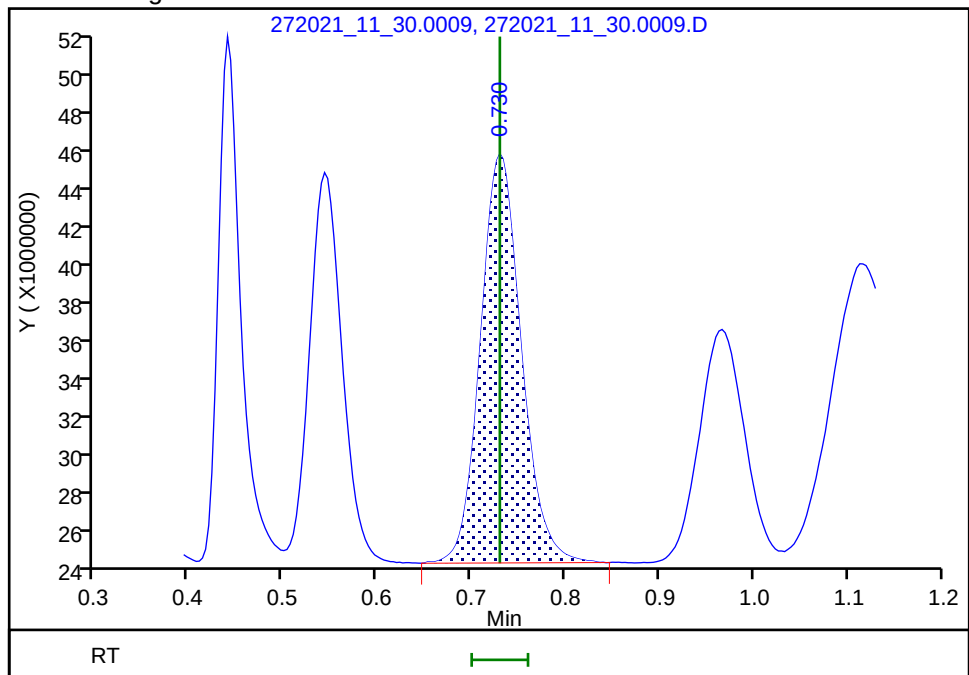
RT: 0.73
Area: 67085729
Amount: 10614
Amount Units: ug/l

Processing Integration Results



RT: 0.73
Area: 62861980
Amount: 10288
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:52:35
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

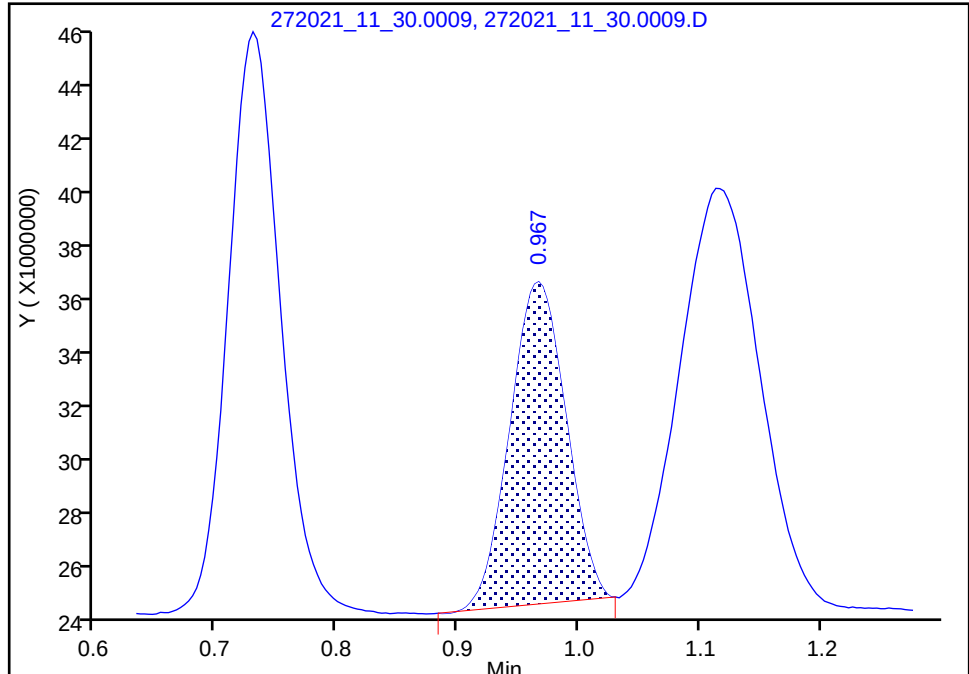
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0009.D
Injection Date: 30-Nov-2021 12:51:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

\$ 5 Acetone, CAS: 67-64-1

Signal: 1

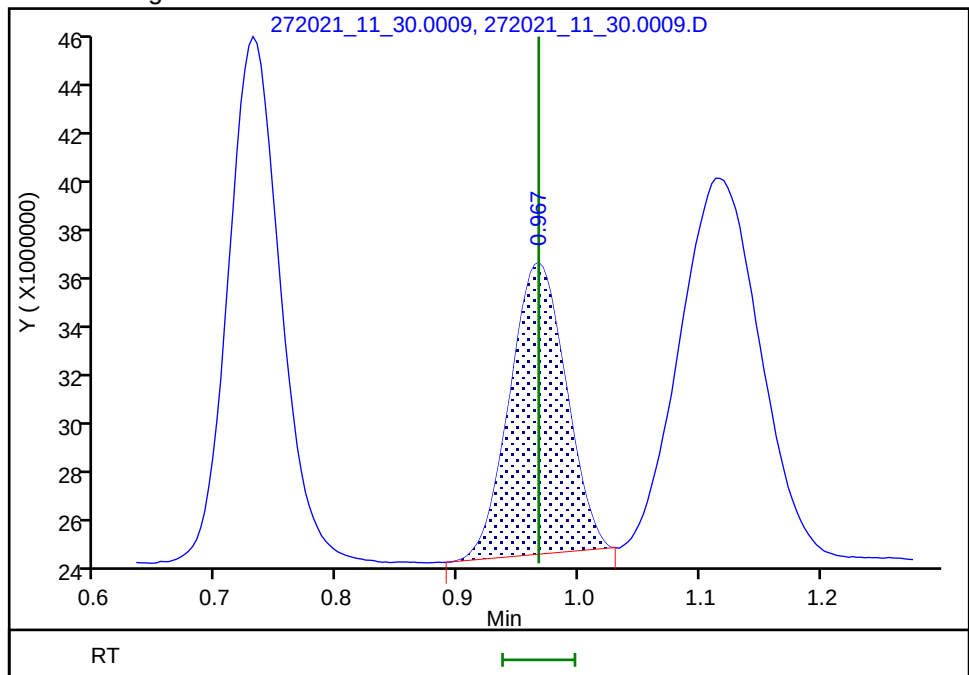
RT: 0.97
Area: 37165627
Amount: 9922.9693
Amount Units: ug/l

Processing Integration Results



RT: 0.97
Area: 37306772
Amount: 9953.1644
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:52:57

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

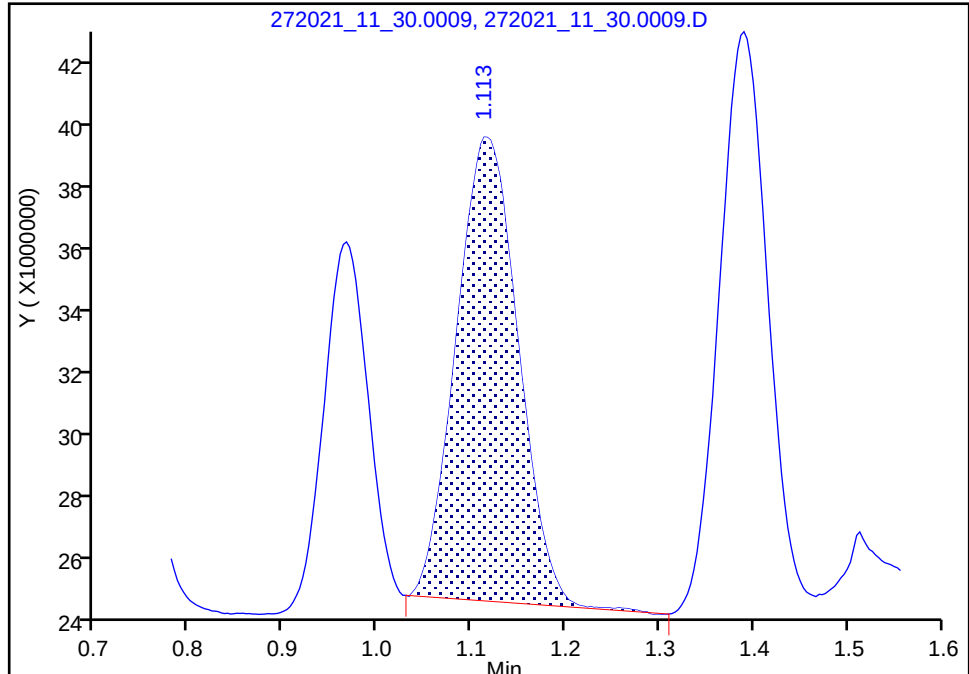
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0009.D
Injection Date: 30-Nov-2021 12:51:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

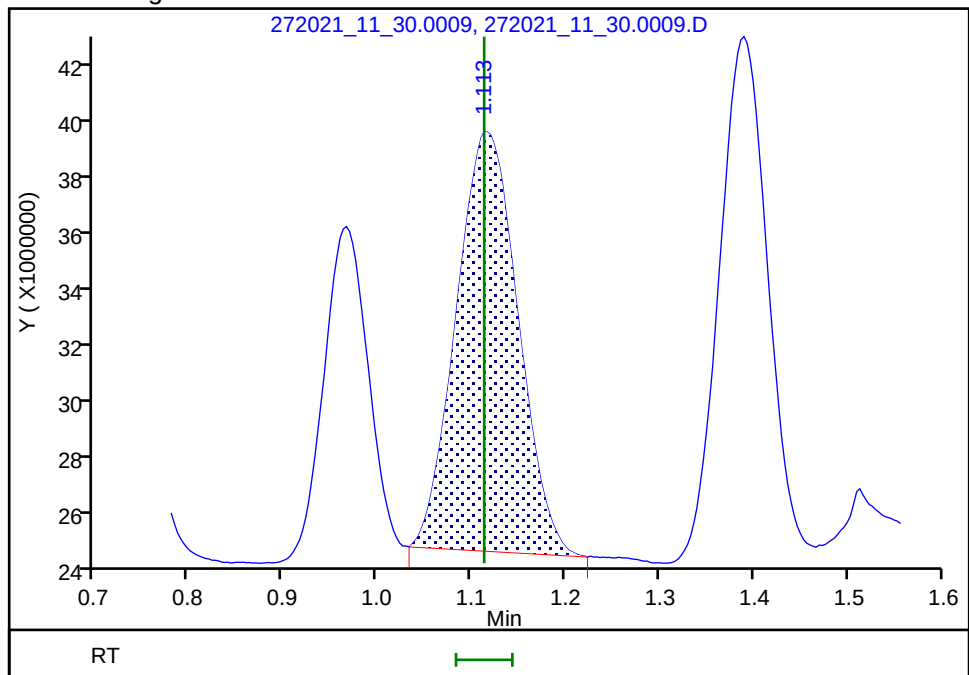
RT: 1.11
Area: 67893234
Amount: 10343
Amount Units: ug/l

Processing Integration Results



RT: 1.11
Area: 67730209
Amount: 10324
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:53:01
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
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Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 30-Nov-2021 13:10:00 ALS Bottle#: 0 Worklist Smp#: 10
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045155-010
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 07:24:48 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 30-Nov-2021 13:53:46

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.340	0.340	0.000	60686464	20056	18273	M
2	0.720	0.720	0.000	146570051	20056	21248	M
RPD = 15.06							
2 Ethanol							M
1	0.440	0.440	0.000	84086461	20008	18195	M
2	1.650	1.653	-0.003	218427790	20008	20664	M
RPD = 12.71							
3 Isopropyl alcohol							M
1	0.543	0.543	0.000	89994796	20040	20560	M
2	2.943	2.947	-0.004	233164276	20040	20152	M
RPD = 2.01							
4 Propanol							M
1	0.730	0.730	0.000	120119796	20278	20234	M
2	3.520	3.523	-0.003	159241671	20278	22697	
RPD = 11.47							
\$ 5 Acetone							M
1	0.967	0.967	0.000	72709379	20032	19398	
2	2.623	2.623	0.000	193936814	20032	19228	M
RPD = 0.88							
6 Isobutyl alcohol							
1	1.117	1.113	0.003	132358340	20577	20174	
7 n-Butanol							
1	1.390	1.390	0.000	129064590	20676	23236	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME5_00008

Amount Added: 1.00

Units: ml

Report Date: 01-Dec-2021 07:24:48

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D

Injection Date: 30-Nov-2021 13:10:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 10

Client ID:

Purge Vol: 1.000 uL

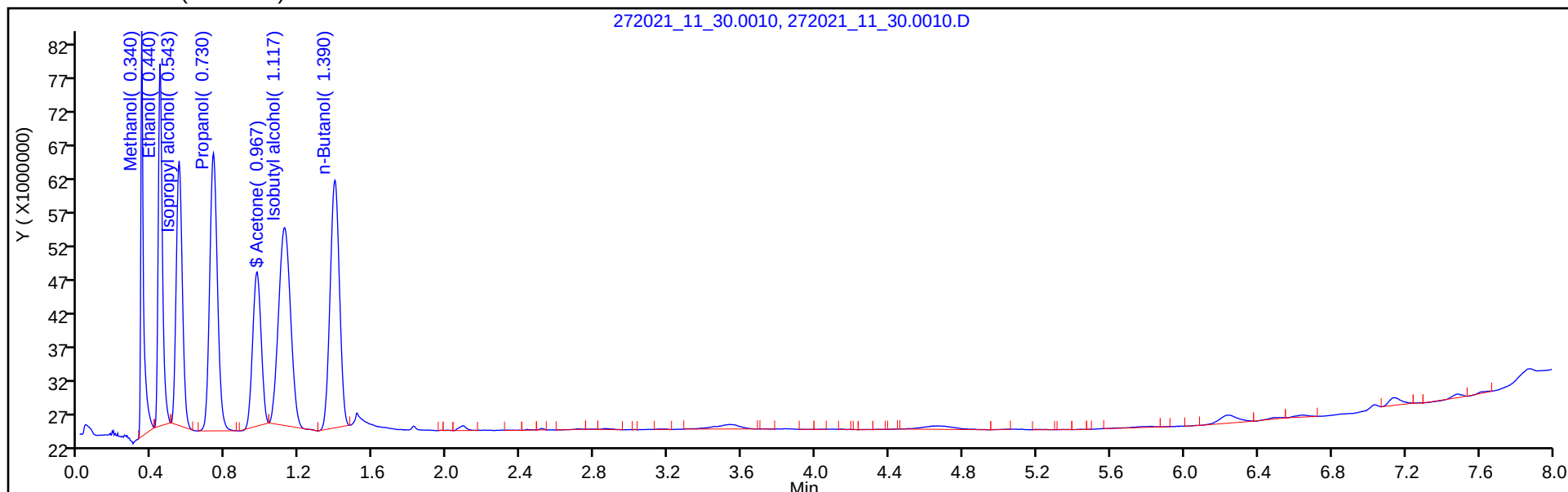
Dil. Factor: 1.0000

ALS Bottle#: 0

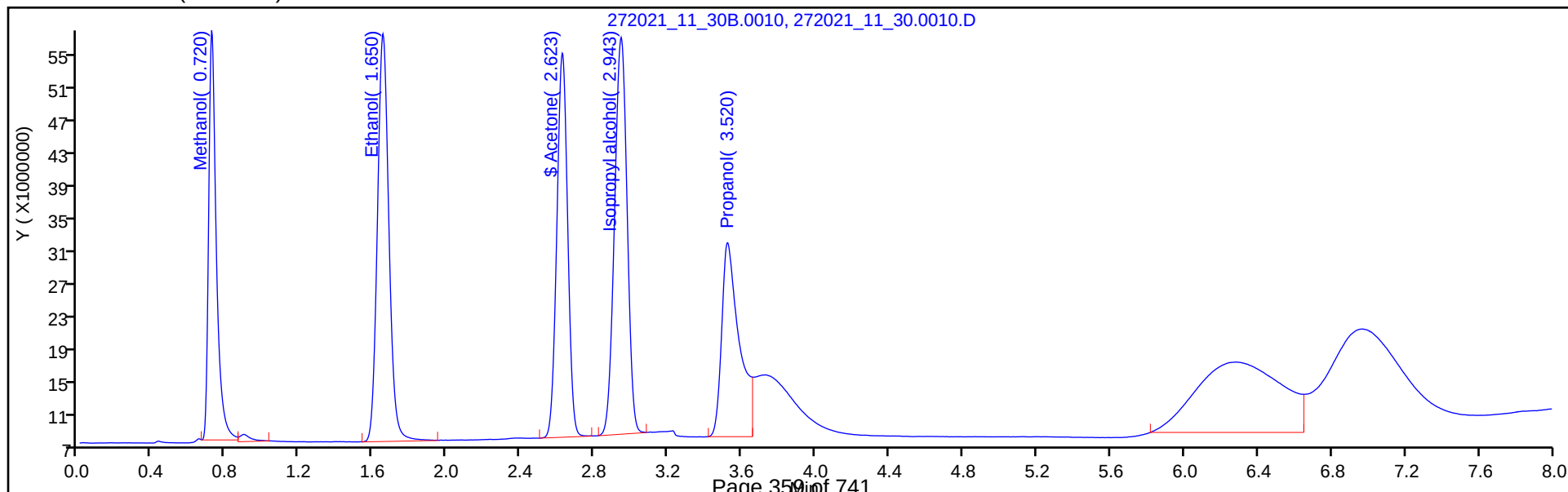
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

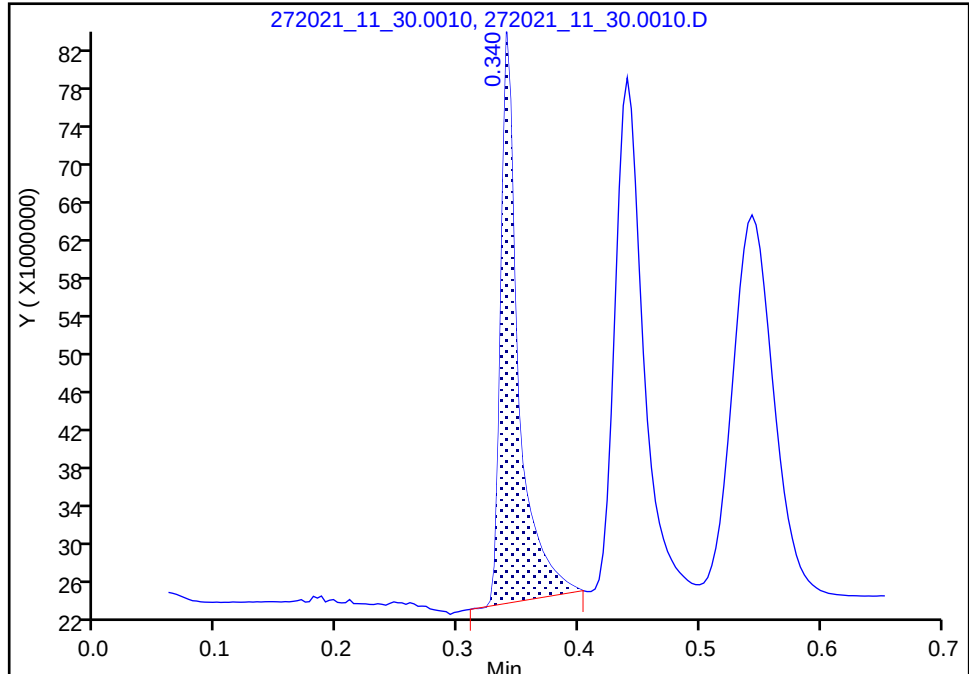
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
Injection Date: 30-Nov-2021 13:10:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

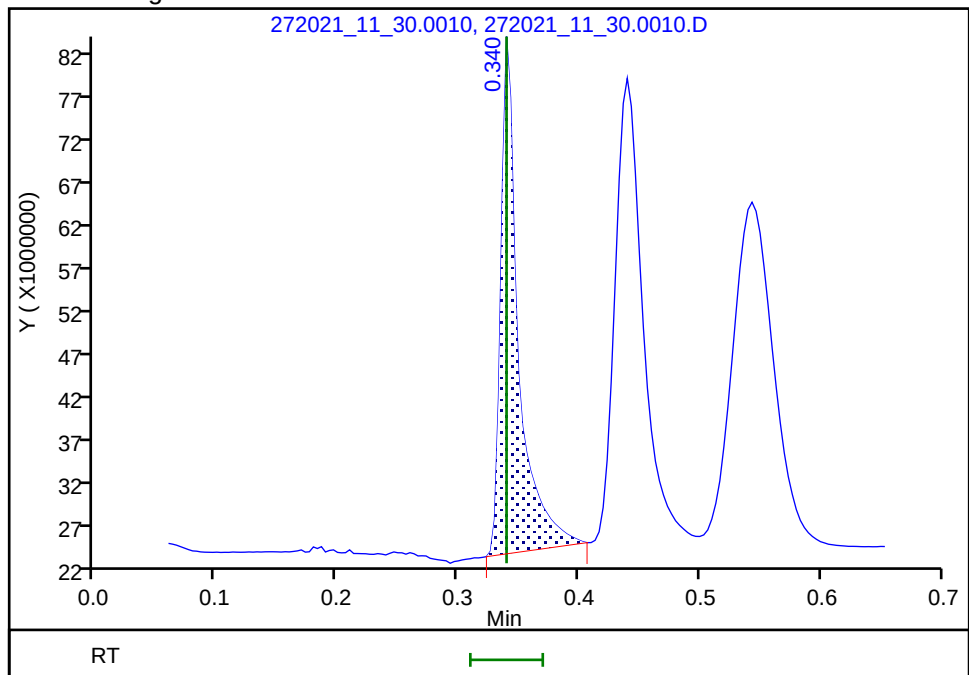
RT: 0.34
Area: 60166149
Amount: 18145
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 60686464
Amount: 18273
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:53:31

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

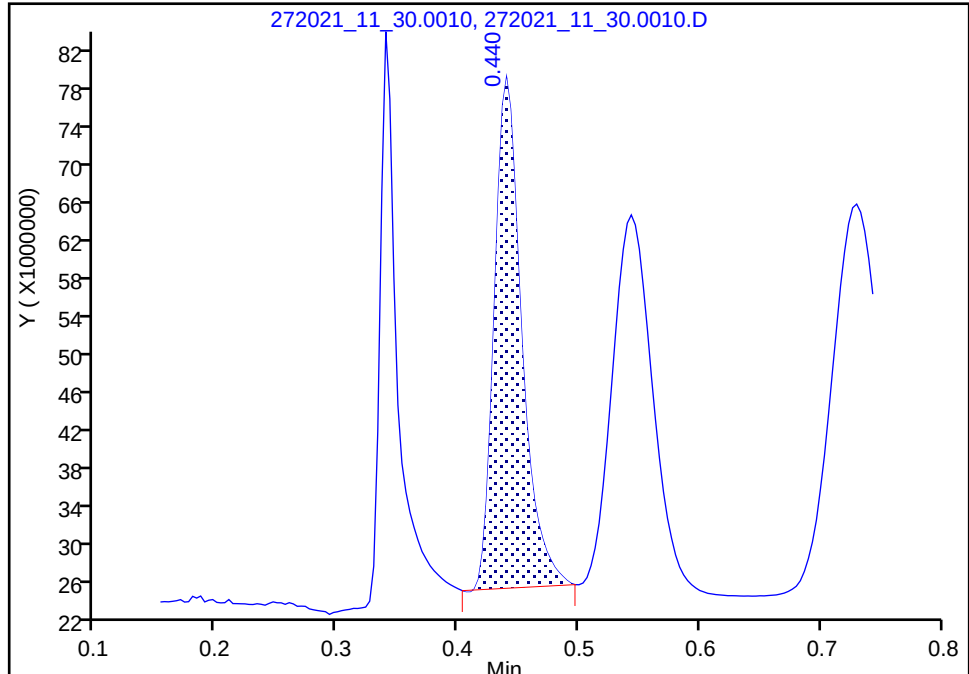
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
Injection Date: 30-Nov-2021 13:10:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

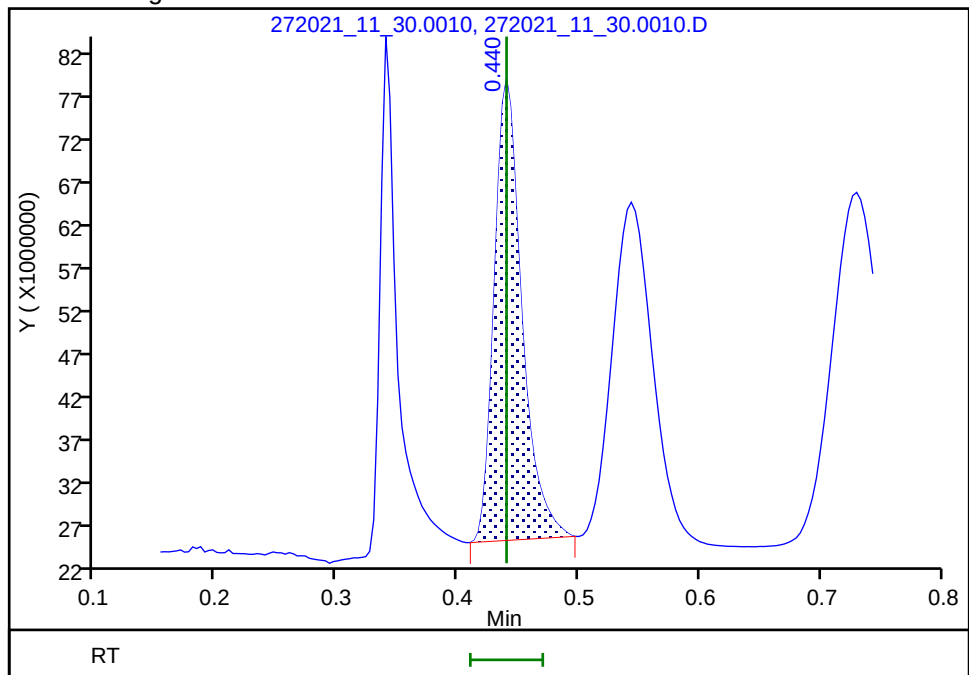
RT: 0.44
Area: 83688544
Amount: 18124
Amount Units: ug/l

Processing Integration Results



RT: 0.44
Area: 84086461
Amount: 18195
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:53:26
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

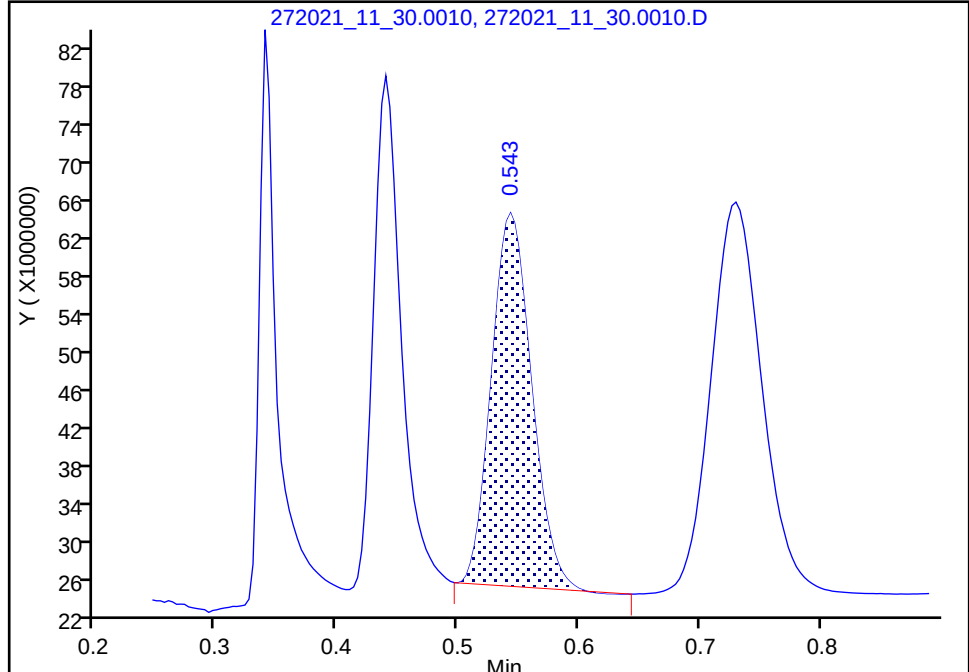
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
Injection Date: 30-Nov-2021 13:10:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector 0FIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

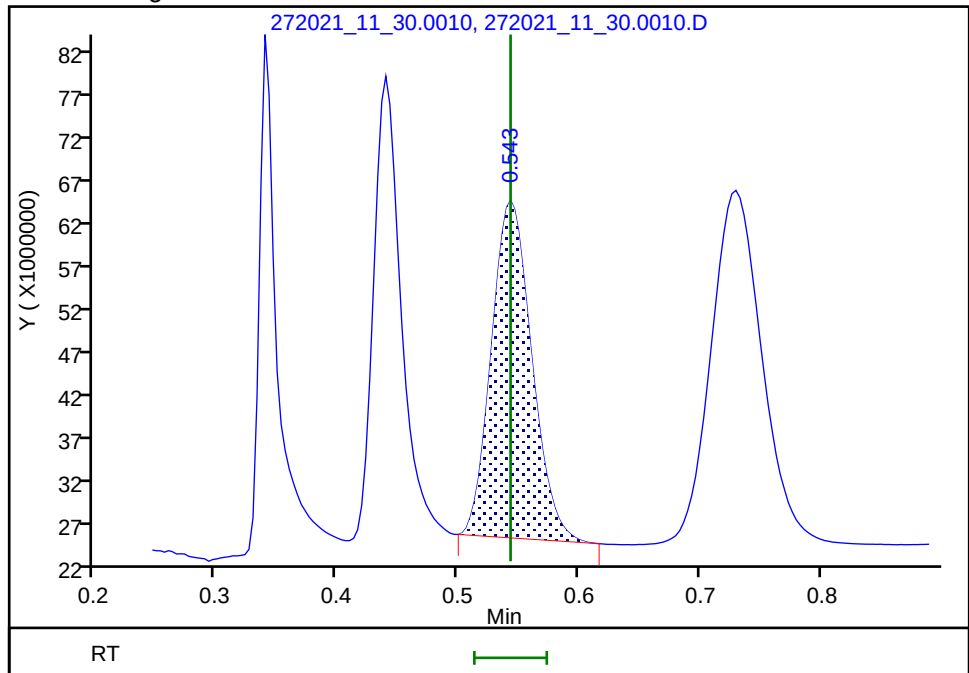
RT: 0.54
Area: 89619794
Amount: 20492
Amount Units: ug/l

Processing Integration Results



RT: 0.54
Area: 89994796
Amount: 20560
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:53:17
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

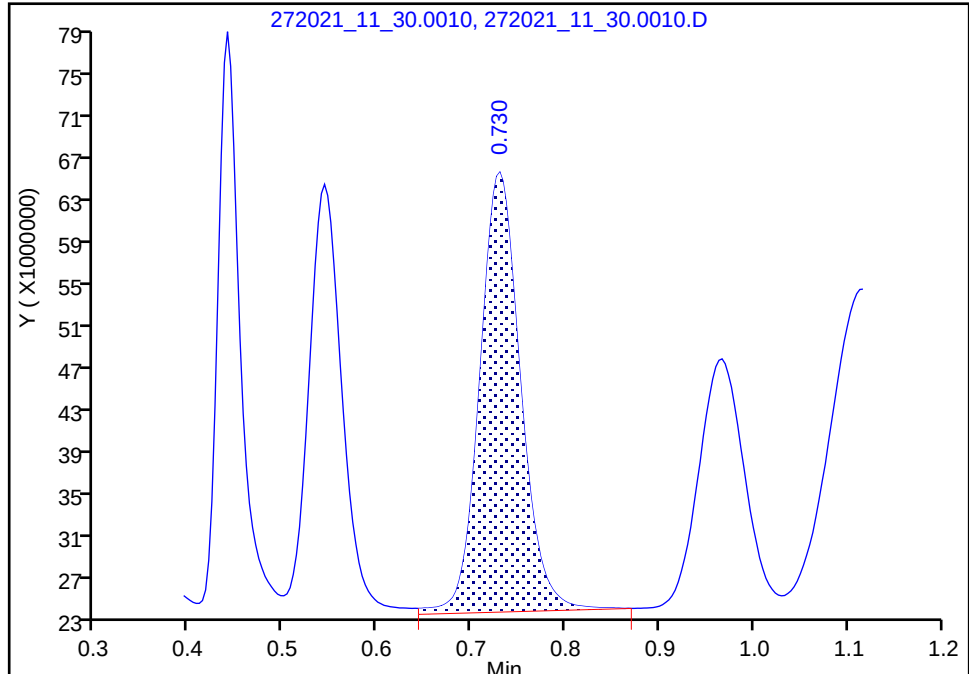
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
Injection Date: 30-Nov-2021 13:10:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

4 Propanol, CAS: 71-23-8

Signal: 1

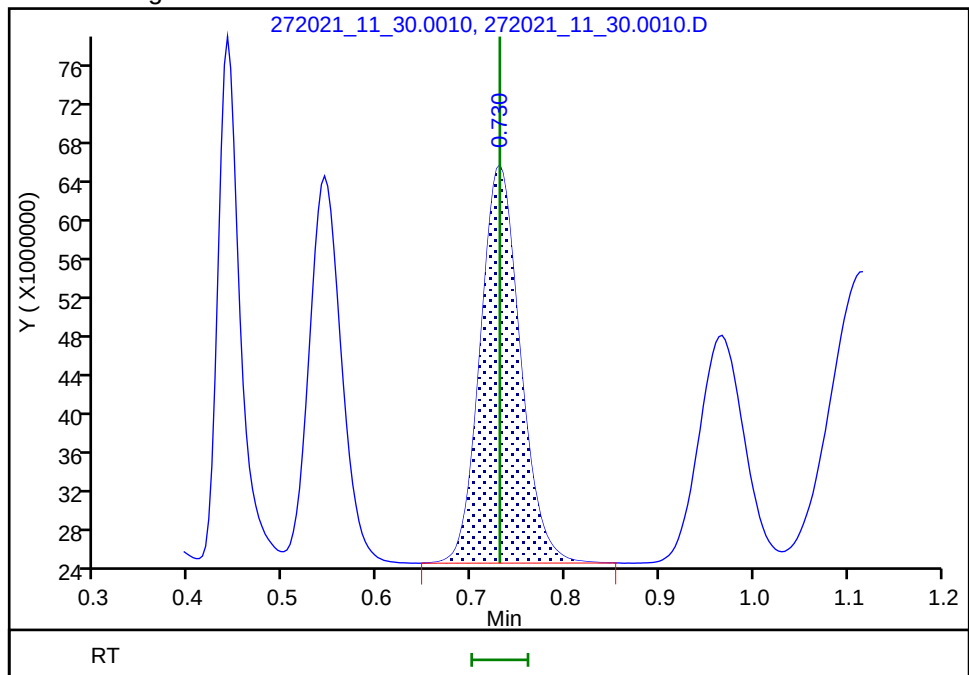
RT: 0.73
Area: 124163549
Amount: 20343
Amount Units: ug/l

Processing Integration Results



RT: 0.73
Area: 120119796
Amount: 20234
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:53:20
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Calibration

/ Methanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

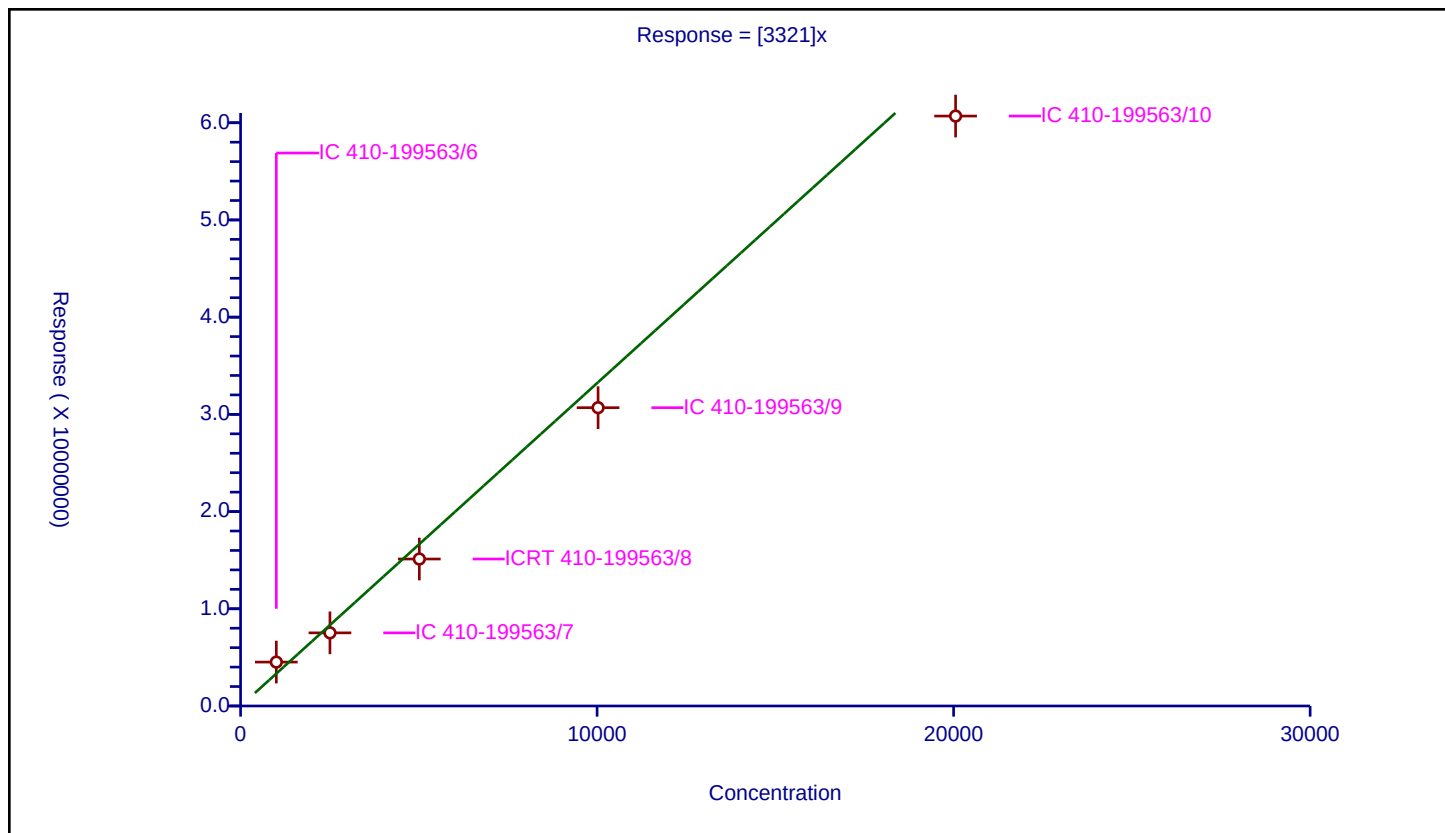
Curve Coefficients

Intercept: 0
 Slope: 3321

Error Coefficients

Standard Error: 3400000
 Relative Standard Error: 19.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.909

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-199563/6	1002.8	4515625.0			4503.016554	Y
2	IC 410-199563/7	2507.0	7523960.0			3001.180694	Y
3	ICRT 410-199563/8	5014.0	15118753.0			3015.307738	Y
4	IC 410-199563/9	10028.0	30688542.0			3060.285401	Y
5	IC 410-199563/10	20056.0	60686464.0			3025.850818	Y



Calibration

/ Ethanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

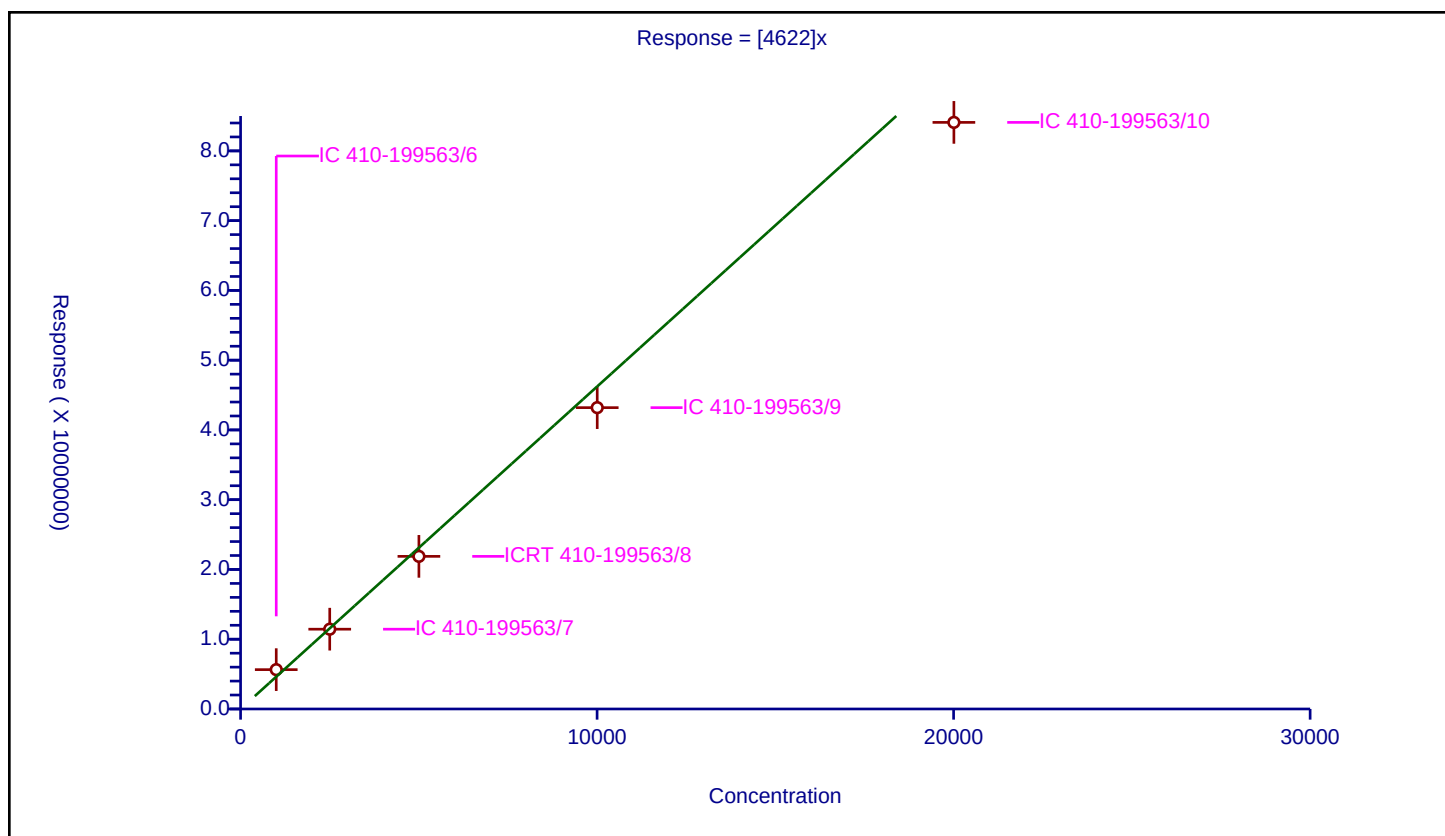
Curve Coefficients

Intercept: 0
 Slope: 4622

Error Coefficients

Standard Error: 4530000
 Relative Standard Error: 12.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.967

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-199563/6	1000.4	5641667.0			5639.411236	Y
2	IC 410-199563/7	2501.0	11439584.0			4574.003998	Y
3	ICRT 410-199563/8	5002.0	21877083.0			4373.667133	Y
4	IC 410-199563/9	10004.0	43195834.0			4317.856257	Y
5	IC 410-199563/10	20008.0	84086461.0			4202.641993	Y



Calibration

/ Isopropyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

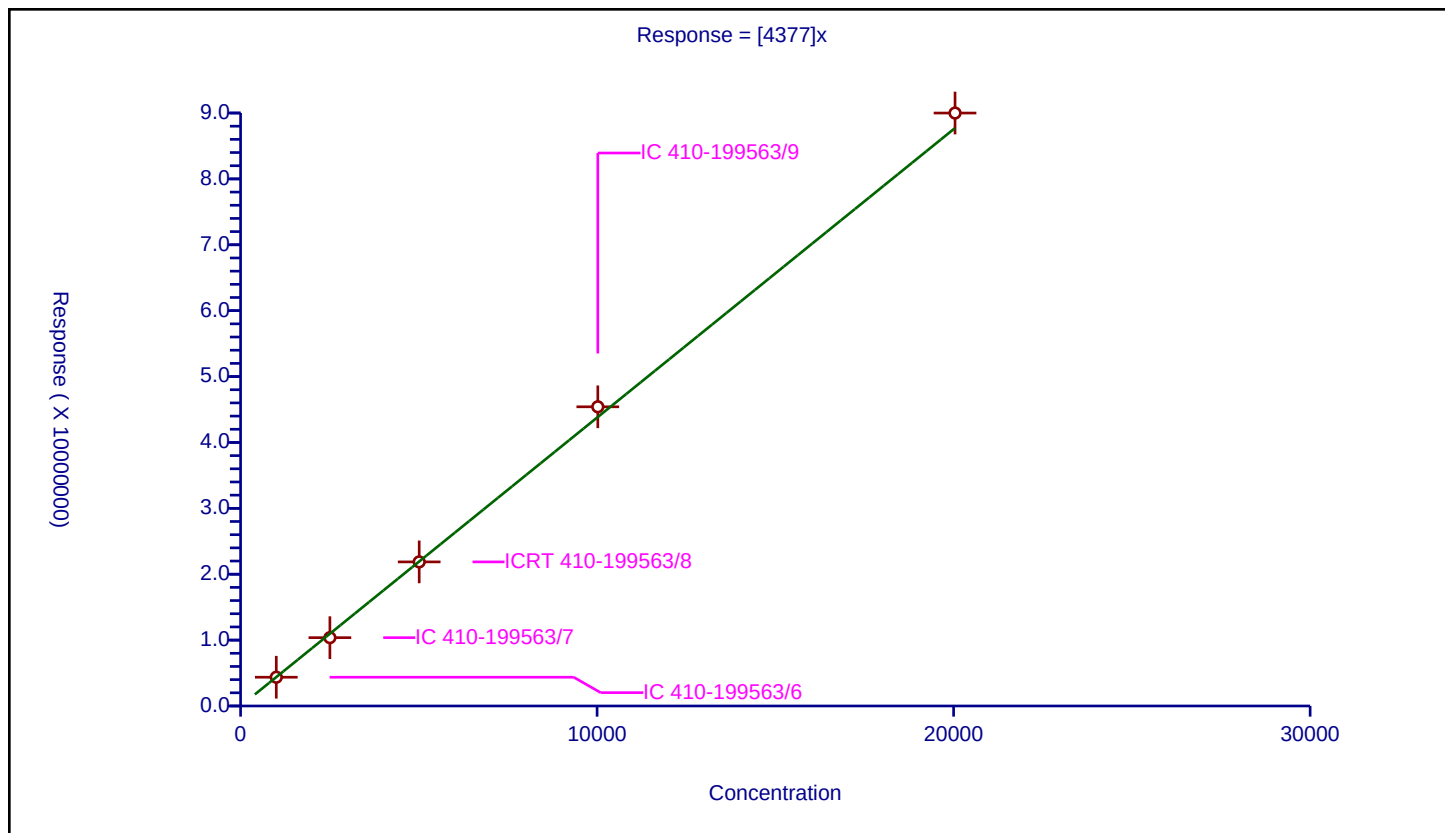
Curve Coefficients

Intercept: 0
 Slope: 4377

Error Coefficients

Standard Error: 1410000
 Relative Standard Error: 3.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-199563/6	1002.0	4366669.0			4357.953094	Y
2	IC 410-199563/7	2505.0	10369790.0			4139.636727	Y
3	ICRT 410-199563/8	5010.0	21870313.0			4365.331936	Y
4	IC 410-199563/9	10020.0	45410419.0			4531.977944	Y
5	IC 410-199563/10	20040.0	89994796.0			4490.758283	Y



Calibration

/ Propanol

Curve Type: Linear
 Weighting: None
 Origin: None
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

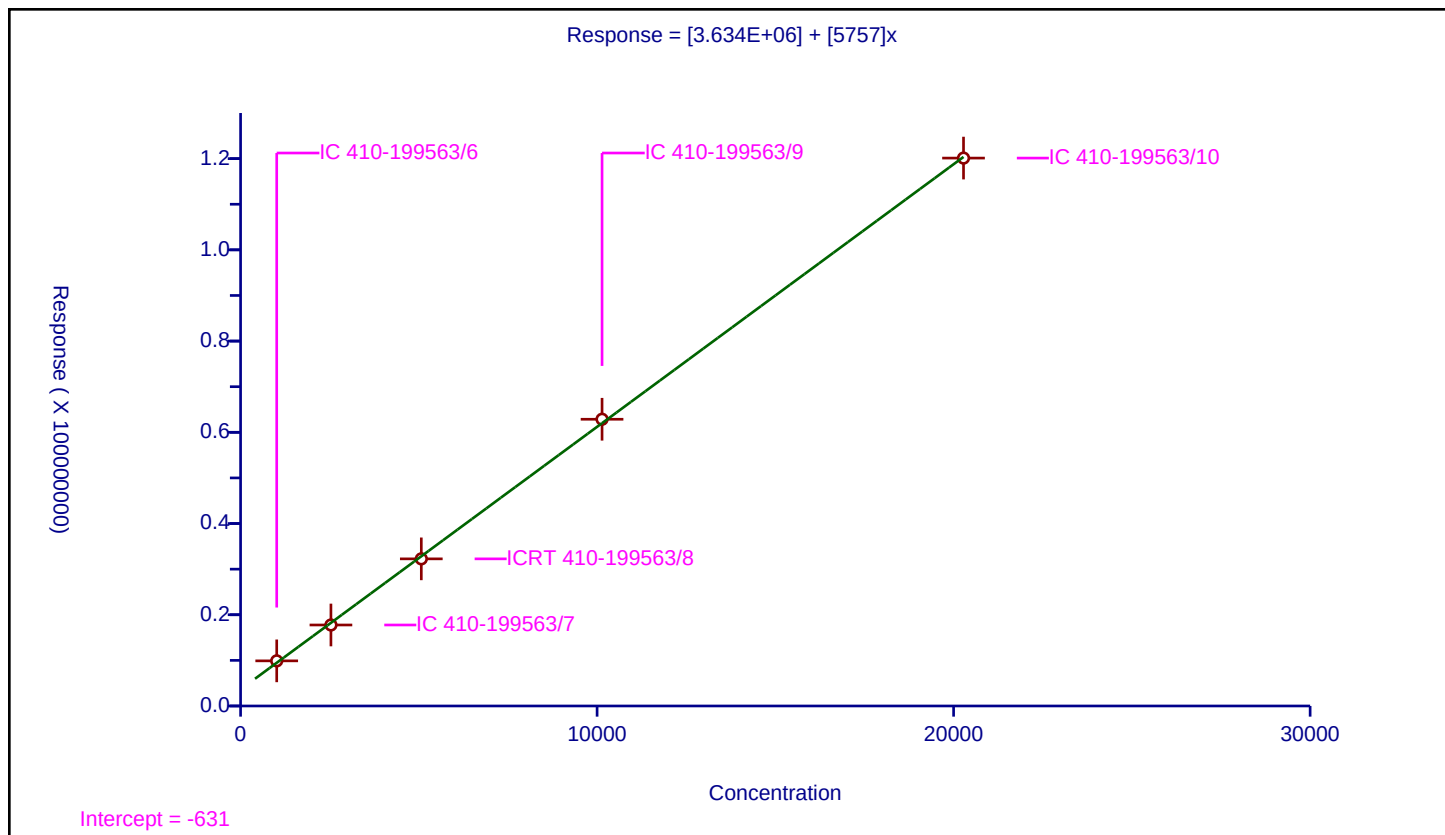
Curve Coefficients

Intercept: 3.634E+06
 Slope: 5757

Error Coefficients

Standard Error: 710000
 Relative Standard Error: 4.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-199563/6	1013.905	9893232.0			9757.553222	Y
2	IC 410-199563/7	2534.7625	17760412.0			7006.736134	Y
3	ICRT 410-199563/8	5069.525	32255211.0			6362.570655	Y
4	IC 410-199563/9	10139.05	62861980.0			6199.987178	Y
5	IC 410-199563/10	20278.1	120119796.0			5923.621838	Y



Calibration

/ Acetone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

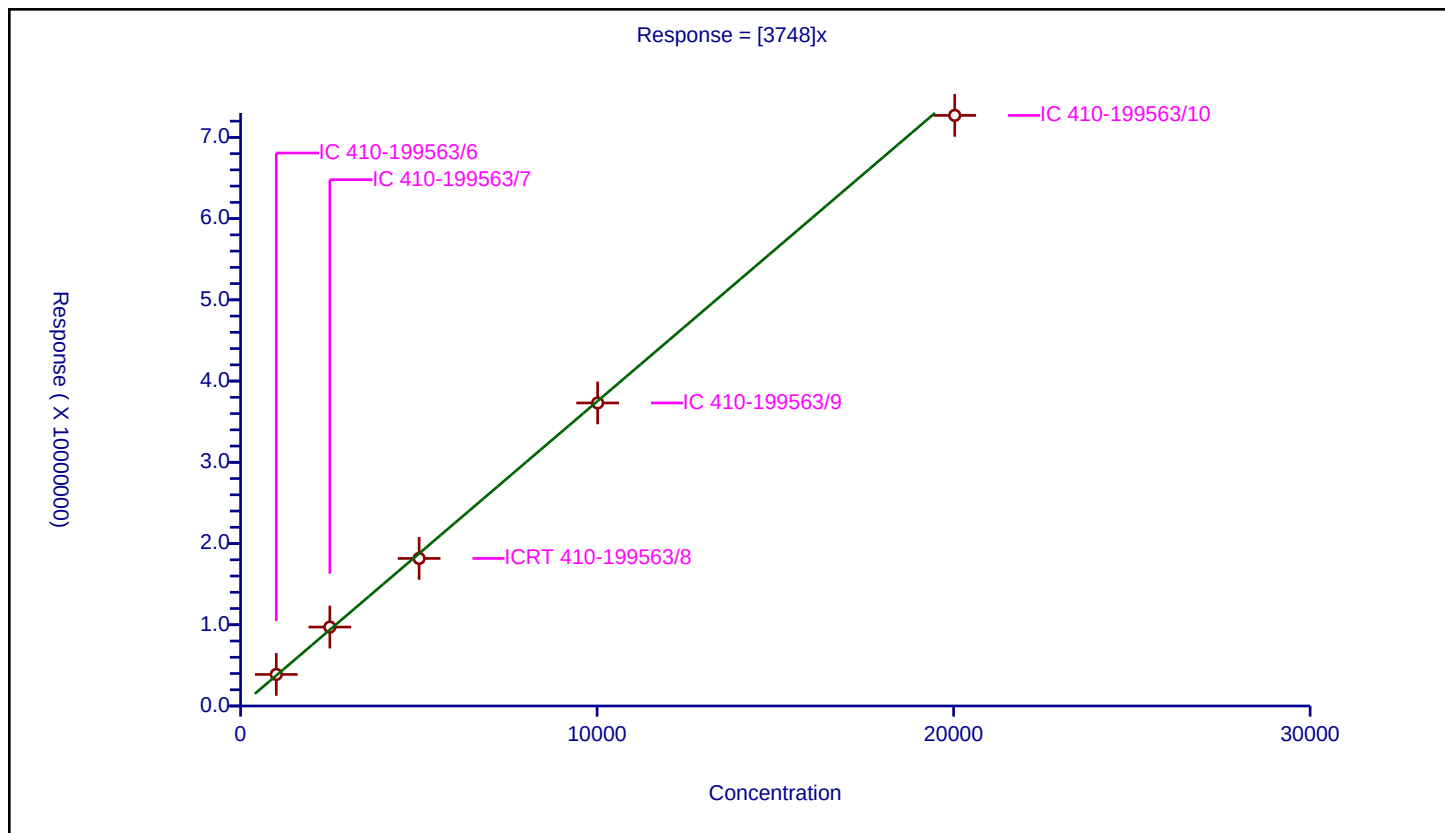
Curve Coefficients

Intercept: 0
 Slope: 3748

Error Coefficients

Standard Error: 1240000
 Relative Standard Error: 3.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-199563/6	1001.6	3885418.0			3879.211262	Y
2	IC 410-199563/7	2504.0	9716666.0			3880.457668	Y
3	ICRT 410-199563/8	5008.0	18164583.0			3627.113219	Y
4	IC 410-199563/9	10016.0	37306772.0			3724.717652	Y
5	IC 410-199563/10	20032.0	72709379.0			3629.661492	Y



Calibration

/ Isobutyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

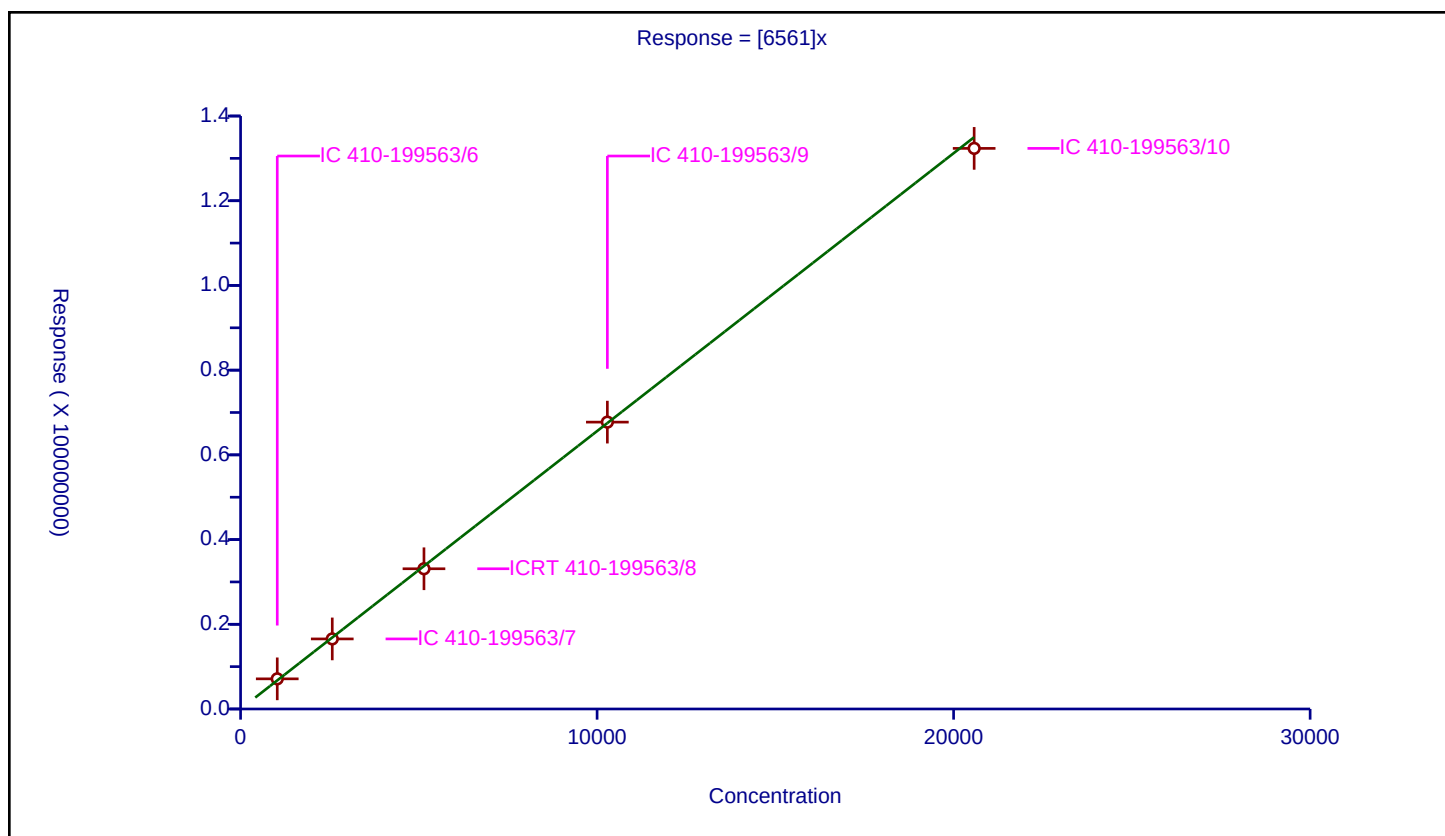
Curve Coefficients

Intercept: 0
 Slope: 6561

Error Coefficients

Standard Error: 1390000
 Relative Standard Error: 3.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-199563/6	1028.83	7119273.0			6919.775862	Y
2	IC 410-199563/7	2572.075	16543750.0			6432.063606	Y
3	ICRT 410-199563/8	5144.15	33108857.0			6436.215313	Y
4	IC 410-199563/9	10288.3	67730209.0			6583.226481	Y
5	IC 410-199563/10	20576.6	132358340.0			6432.468921	Y



Calibration

/ n-Butanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

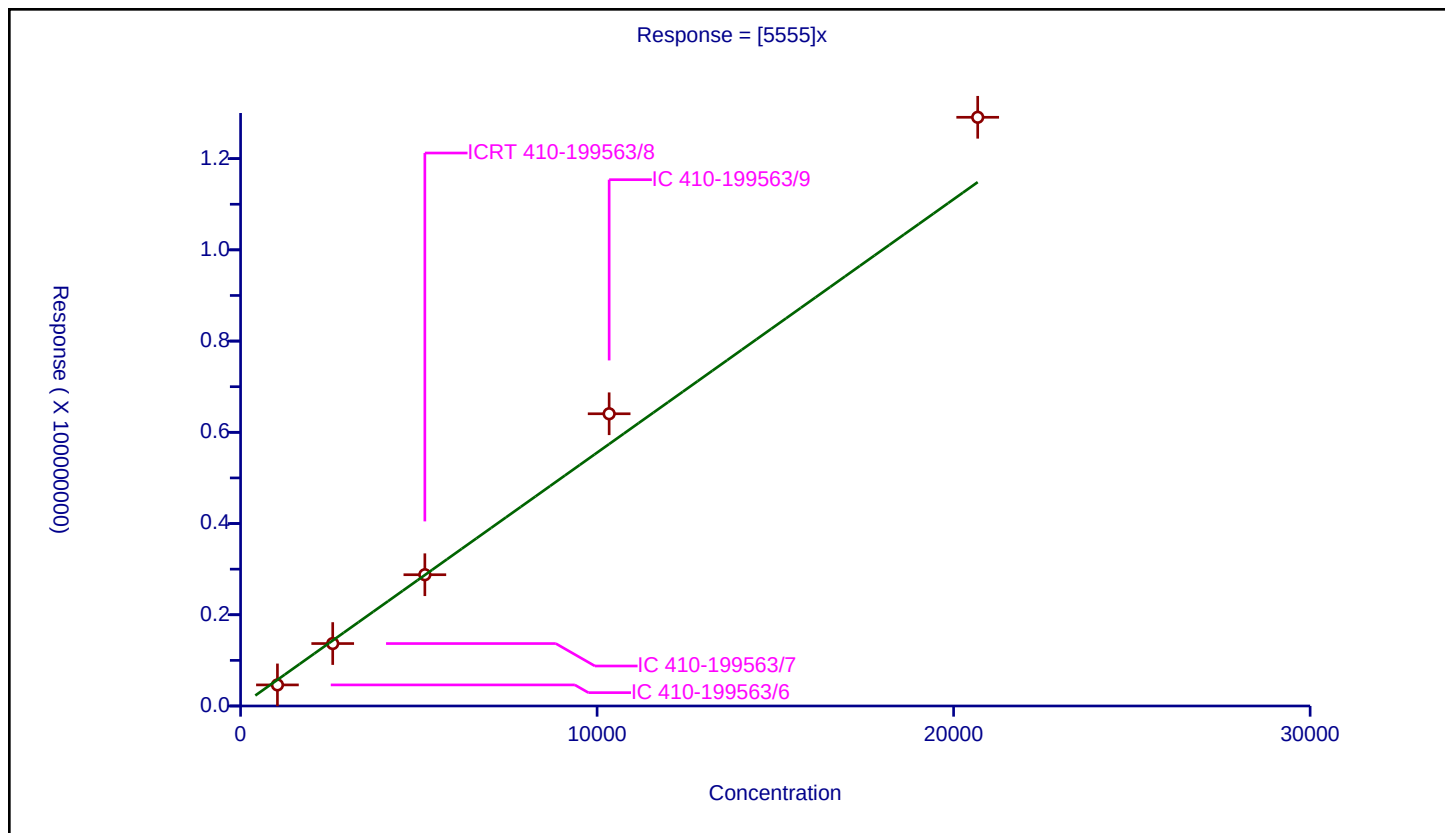
Curve Coefficients

Intercept: 0
 Slope: 5555

Error Coefficients

Standard Error: 7870000
 Relative Standard Error: 13.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.978

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-199563/6	1033.805	4620833.0			4469.733654	Y
2	IC 410-199563/7	2584.5125	13688542.0			5296.372914	Y
3	ICRT 410-199563/8	5169.025	28778128.0			5567.419001	Y
4	IC 410-199563/9	10338.05	64065107.0			6197.020425	Y
5	IC 410-199563/10	20676.1	129064590.0			6242.211539	Y



FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 199563

SDG No.: _____

Instrument ID: 2739 GC Column: SP1000 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 11/30/2021 11:55 Calibration End Date: 11/30/2021 13:10 Calibration ID: 33571

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-199563/6	272021_11_30.0006.D
Level 2	IC 410-199563/7	272021_11_30.0007.D
Level 3	ICRT 410-199563/8	272021_11_30.0008.D
Level 4	IC 410-199563/9	272021_11_30.0009.D
Level 5	IC 410-199563/10	272021_11_30.0010.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Methanol	0.723	0.723	0.720	0.720	0.720						0.690 - 0.750	0.721
Ethanol	1.650	1.657	1.653	1.650	1.650						1.623 - 1.683	1.652
Isopropanol	2.947	2.947	2.947	2.943	2.943						2.917 - 2.977	2.945
1-Propanol	3.520	3.513	3.523	3.517	3.520						3.486 - 3.560	3.519
Acetone	2.627	2.627	2.623	2.623	2.623						2.593 - 2.653	2.625

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 199563

SDG No.: _____

Instrument ID: 2739 GC Column: SP1000 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 11/30/2021 11:55 Calibration End Date: 11/30/2021 13:10 Calibration ID: 33571

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-199563/6	272021_11_30.0006.D
Level 2	IC 410-199563/7	272021_11_30.0007.D
Level 3	ICRT 410-199563/8	272021_11_30.0008.D
Level 4	IC 410-199563/9	272021_11_30.0009.D
Level 5	IC 410-199563/10	272021_11_30.0010.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Methanol	7263.9 7308.0	6060.6	6706.5	7150.8	Ave		6897.9637 7				7.6		20.0			
Ethanol	10597 10917	9877.7	10667	10793	Ave		10570.575 3				3.8		20.0			
Isopropanol	11713 11635	11196	11673	11634	Ave		11570.260 4				1.8		20.0			
1-Propanol	6361.5 7852.9	4902.3	8331.2	7632.4	Ave		7016.0777 1				19.8		20.0			
Acetone	10600 9681.4	10569	9844.2	9737.7	Ave		10086.345 7				4.5		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 199563

SDG No.: _____

Instrument ID: 2739 GC Column: SP1000 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 11/30/2021 11:55 Calibration End Date: 11/30/2021 13:10 Calibration ID: 33571

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-199563/6	272021_11_30.0006.D
Level 2	IC 410-199563/7	272021_11_30.0007.D
Level 3	ICRT 410-199563/8	272021_11_30.0008.D
Level 4	IC 410-199563/9	272021_11_30.0009.D
Level 5	IC 410-199563/10	272021_11_30.0010.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Methanol	Ave	7284195	15193961	33626376	71708332	146570051	1003	2507	5014	10028	20056
Ethanol	Ave	10601579	24704167	53358097	107977629	218427790	1000	2501	5002	10004	20008
Isopropanol	Ave	11736793	28045192	58484074	116571064	233164276	1002	2505	5010	10020	20040
1-Propanol	Ave	6449995	12426149	42235416	77385600	159241671	1014	2535	5070	10139	20278
Acetone	Ave	10616486	26464535	49299949	97532887	193936814	1002	2504	5008	10016	20032

Curve Type Legend

Ave = Average

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0006.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 30-Nov-2021 11:55:00 ALS Bottle#: 0 Worklist Smp#: 6
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045155-006
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 07:24:44 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 30-Nov-2021 13:18:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.340	0.340	0.000	4515625	1002.8	1359.7	
2	0.723	0.720	0.003	7284195	1002.8	1056.0	M
RPD = 25.14							
2 Ethanol							M
1	0.443	0.440	0.003	5641667	1000.4	1220.7	
2	1.650	1.653	-0.003	10601579	1000.4	1002.9	M
RPD = 19.59							
3 Isopropyl alcohol							M
1	0.543	0.543	0.000	4366669	1002.0	997.6	
2	2.947	2.947	0.000	11736793	1002.0	1014.4	M
RPD = 1.67							
4 Propanol							
1	0.730	0.730	0.000	9893232	1013.9	1087.2	
2	3.520	3.523	-0.003	6449995	1013.9	919.3	
RPD = 16.73							
\$ 5 Acetone							M
1	0.967	0.967	0.000	3885418	1001.6	1036.6	
2	2.627	2.623	0.004	10616486	1001.6	1052.6	M
RPD = 1.53							
6 Isobutyl alcohol							
1	1.117	1.113	0.003	7119273	1028.8	1085.1	
7 n-Butanol							
1	1.390	1.390	0.000	4620833	1033.8	831.9	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME1_00009

Amount Added: 1.00

Units: mL

Report Date: 01-Dec-2021 07:24:44

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0006.D

Injection Date: 30-Nov-2021 11:55:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 1.000 uL

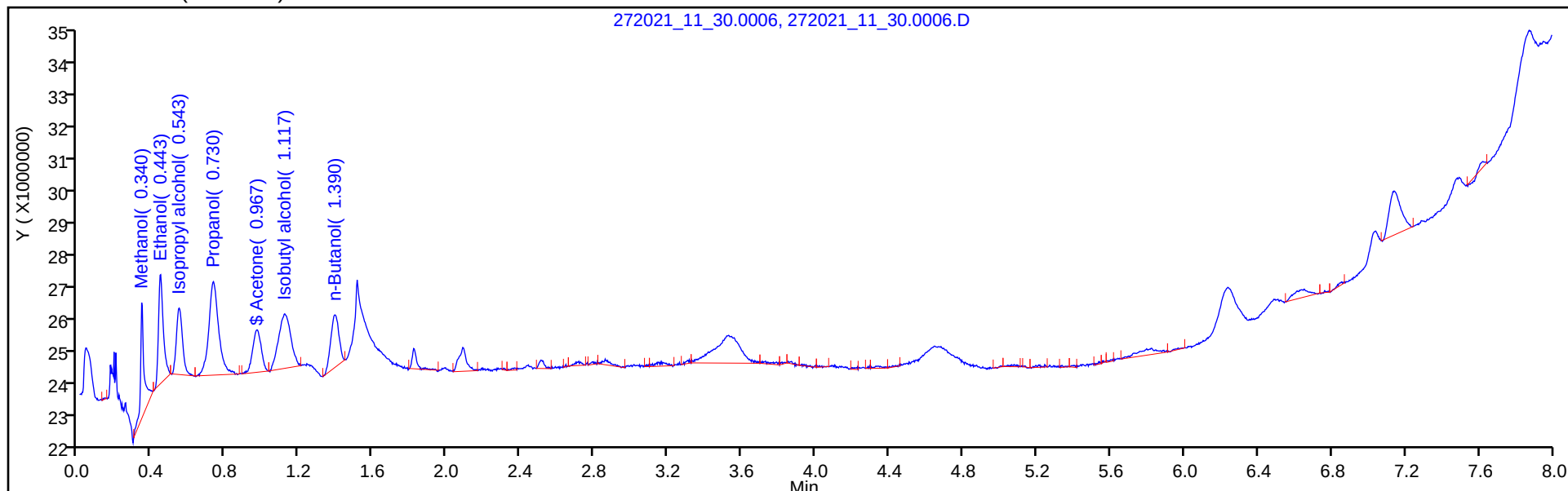
Dil. Factor: 1.0000

ALS Bottle#: 0

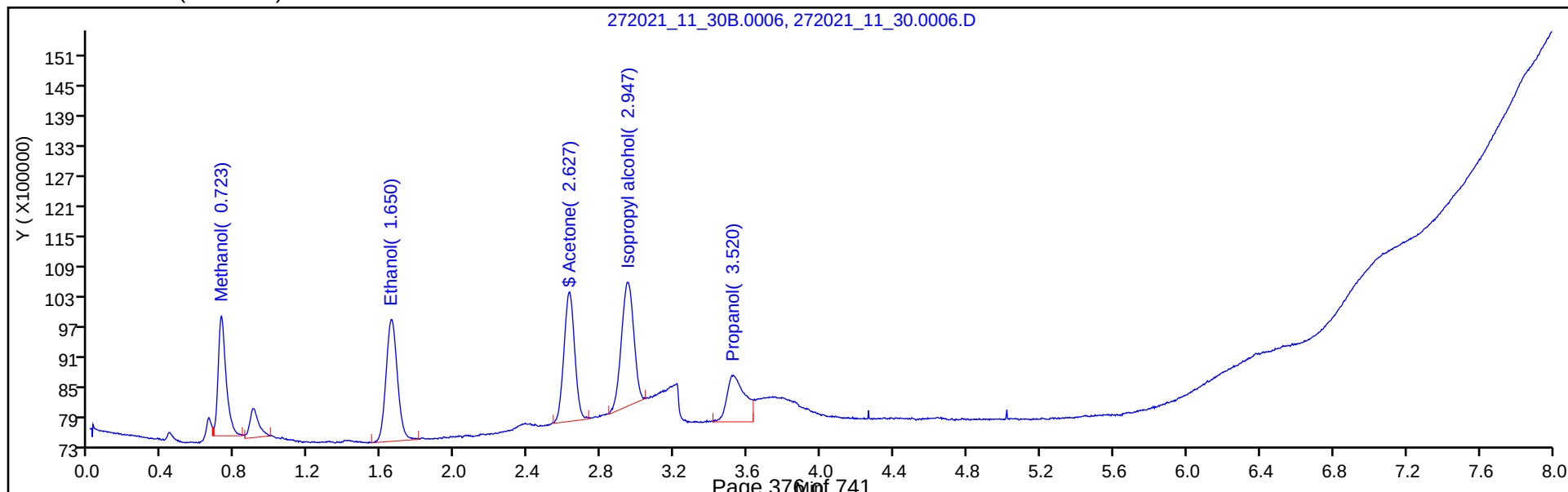
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

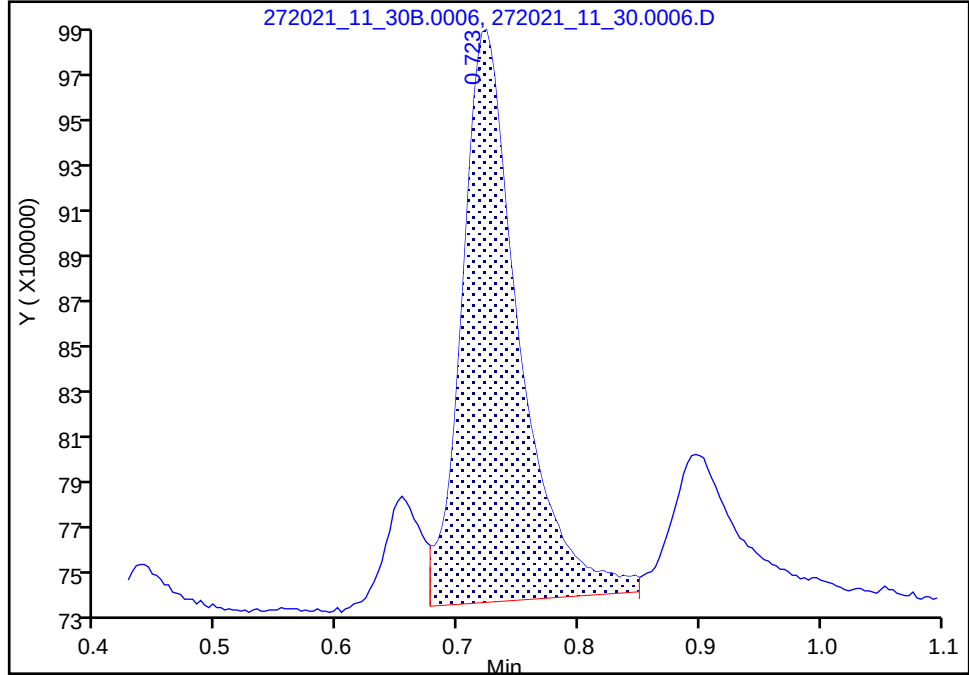
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0006.D
Injection Date: 30-Nov-2021 11:55:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

1 Methanol, CAS: 67-56-1

Signal: 2

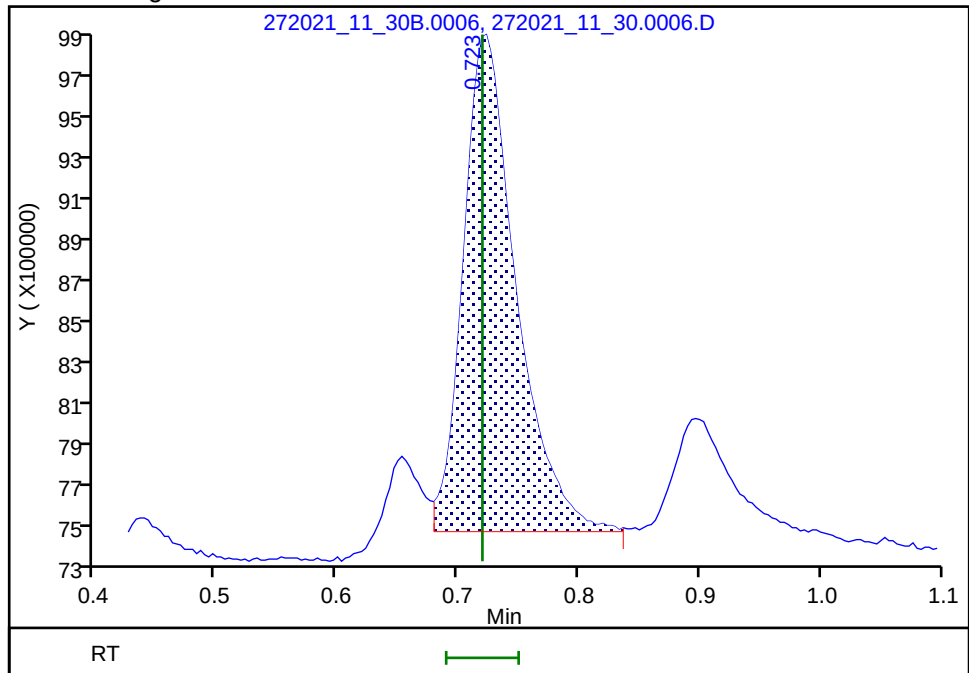
RT: 0.72
Area: 8218604
Amount: 1141.9235
Amount Units: ug/l

Processing Integration Results



RT: 0.72
Area: 7284195
Amount: 1055.9921
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:14:06

Audit Action: Split an Integrated Peak

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

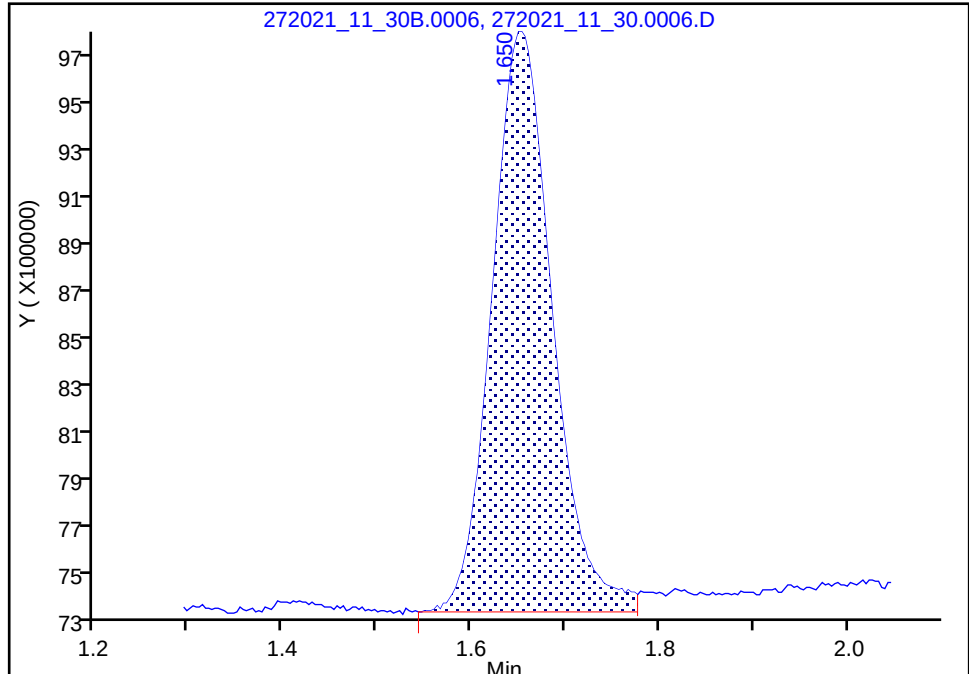
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0006.D
Injection Date: 30-Nov-2021 11:55:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

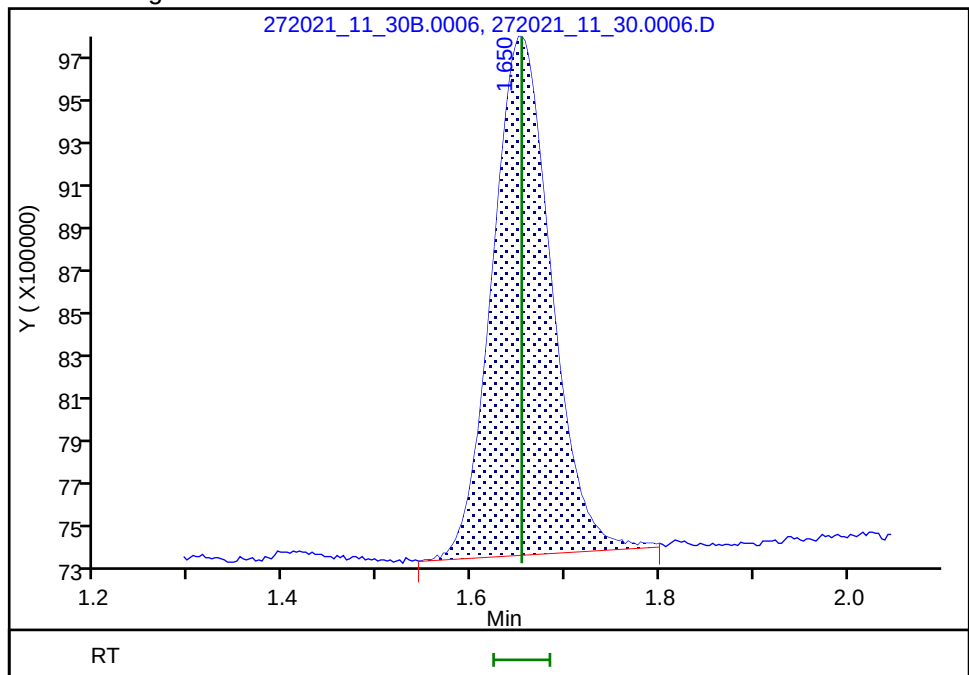
RT: 1.65
Area: 10981250
Amount: 1029.8496
Amount Units: ug/l

Processing Integration Results



RT: 1.65
Area: 10601579
Amount: 1002.9330
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:13:12
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 378 of 741

Eurofins Lancaster Laboratories Env, LLC

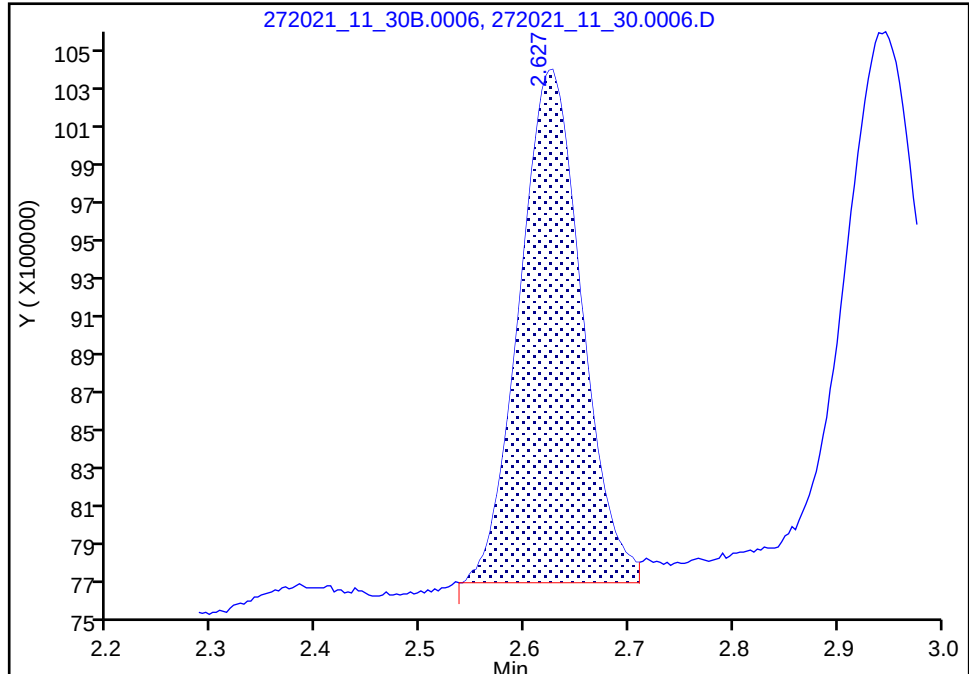
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0006.D
Injection Date: 30-Nov-2021 11:55:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

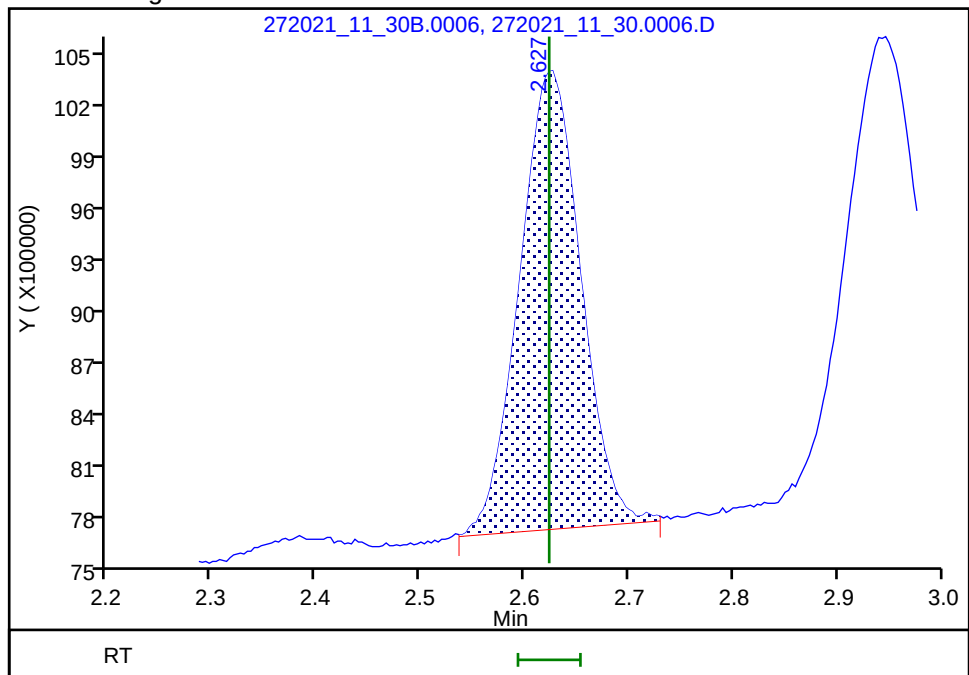
RT: 2.63
Area: 10876045
Amount: 1060.8755
Amount Units: ug/l

Processing Integration Results



RT: 2.63
Area: 10616486
Amount: 1052.5602
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:13:20

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

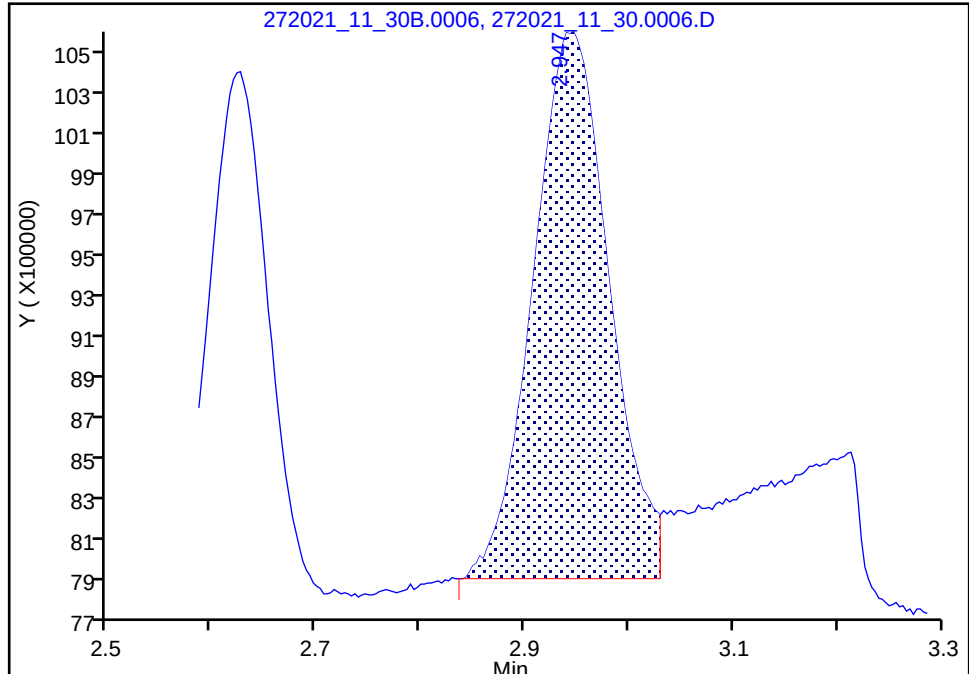
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0006.D
Injection Date: 30-Nov-2021 11:55:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

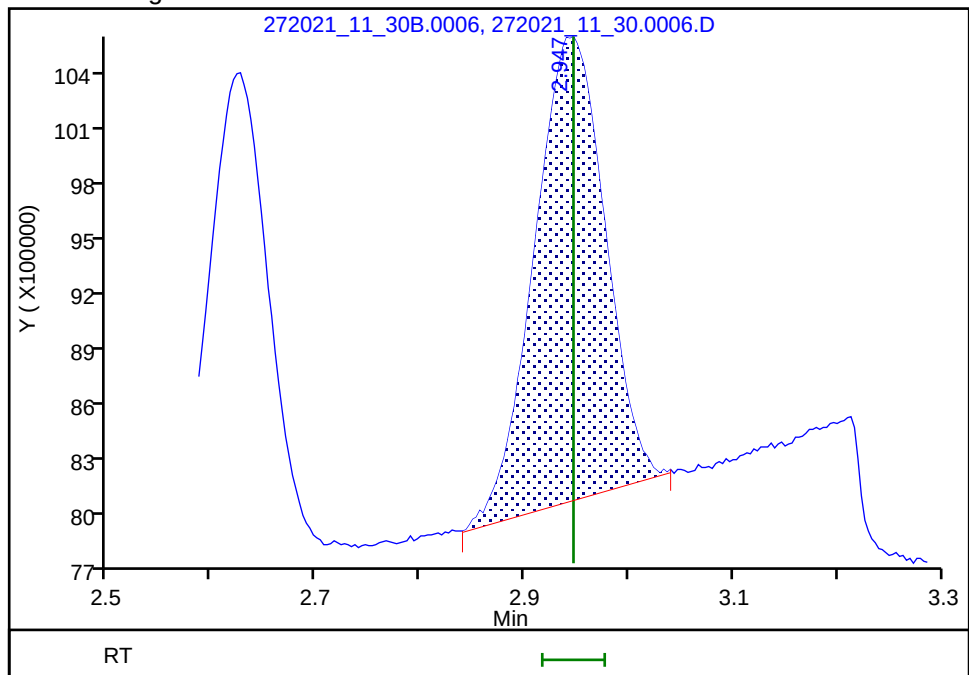
RT: 2.95
Area: 13393747
Amount: 1101.4356
Amount Units: ug/l

Processing Integration Results



RT: 2.95
Area: 11736793
Amount: 1014.3932
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:13:23

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0007.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 30-Nov-2021 12:14:00 ALS Bottle#: 0 Worklist Smp#: 7
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045155-007
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 07:24:45 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 30-Nov-2021 13:19:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.340	0.340	0.000	7523960	2507.0	2265.5	M
2	0.723	0.720	0.003	15193961	2507.0	2202.7	M
RPD = 2.81							
2 Ethanol							M
1	0.440	0.440	0.000	11439584	2501.0	2475.3	M
2	1.657	1.653	0.004	24704167	2501.0	2337.1	M
RPD = 5.74							
3 Isopropyl alcohol							M
1	0.543	0.543	0.000	10369790	2505.0	2369.1	M
2	2.947	2.947	0.000	28045192	2505.0	2423.9	M
RPD = 2.29							
4 Propanol							M
1	0.730	0.730	0.000	17760412	2534.8	2453.8	M
2	3.513	3.523	-0.010	12426149	2534.8	1771.1	M
RPD = 32.32							
\$ 5 Acetone							Ma
1	0.967	0.967	0.000	9716666	2504.0	2592.3	M
2	2.627	2.623	0.004	26464535	2504.0	2623.8	M
RPD = 1.21							
6 Isobutyl alcohol							M
1	1.117	1.113	0.003	16543750	2572.1	2521.6	M
7 n-Butanol							Ma
1	1.390	1.390	0.000	13688542	2584.5	2464.4	Ma

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

EPH_LLME2_00008

Amount Added: 1.00

Units: mL

Report Date: 01-Dec-2021 07:24:45

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0007.D

Injection Date: 30-Nov-2021 12:14:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 7

Client ID:

Purge Vol: 1.000 uL

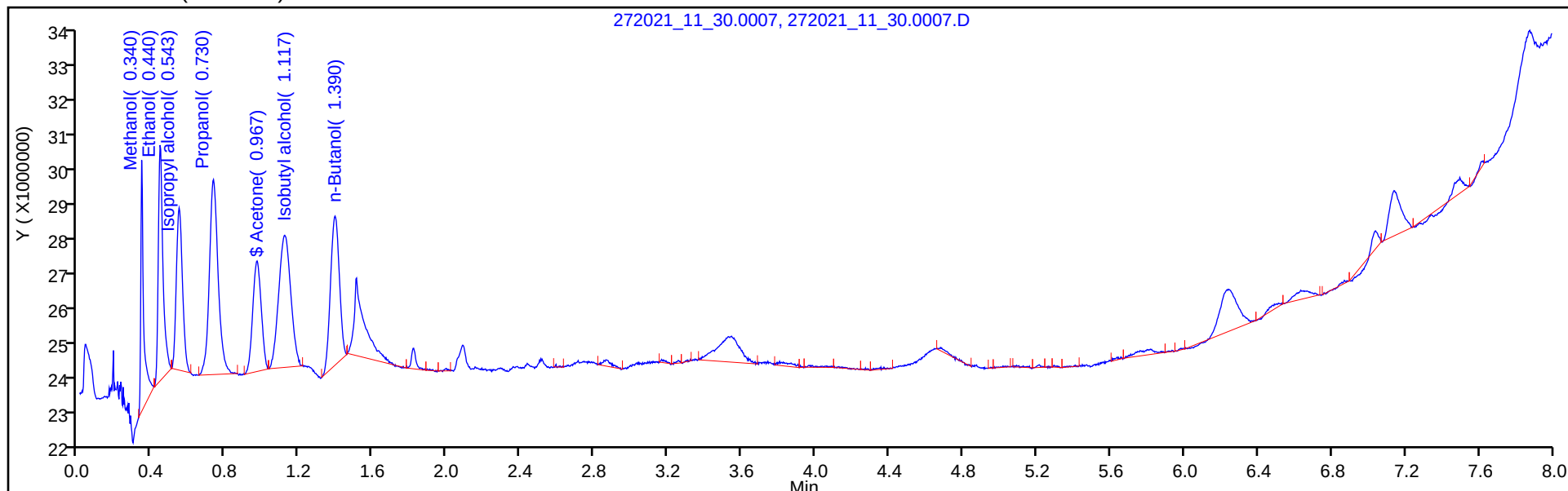
Dil. Factor: 1.0000

ALS Bottle#: 0

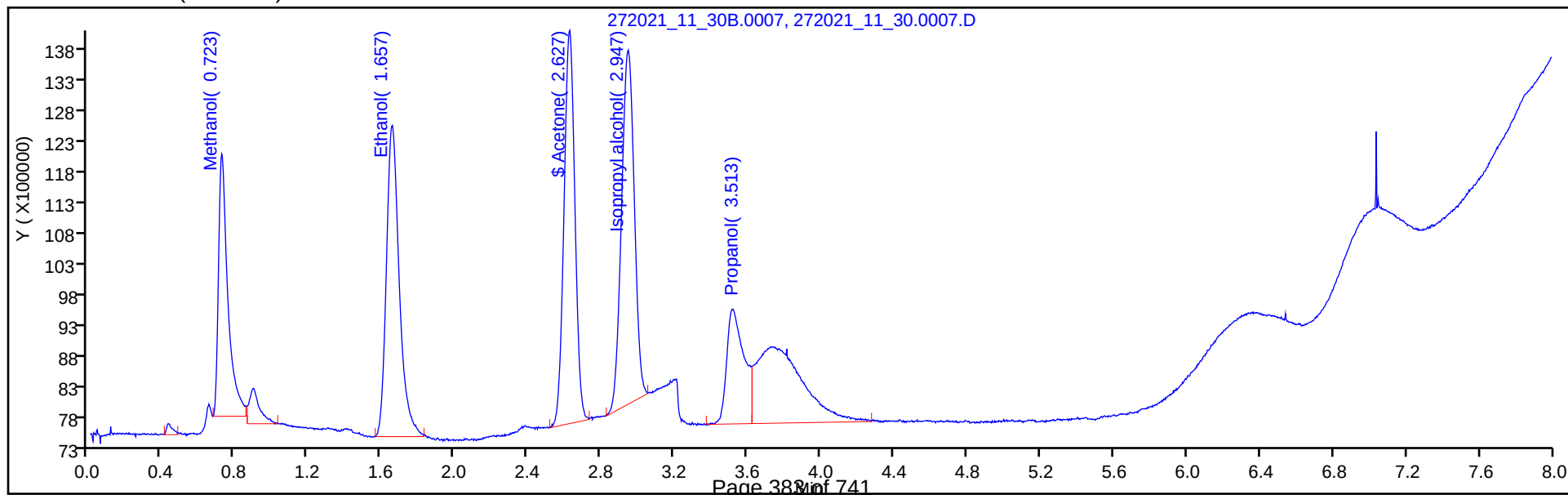
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

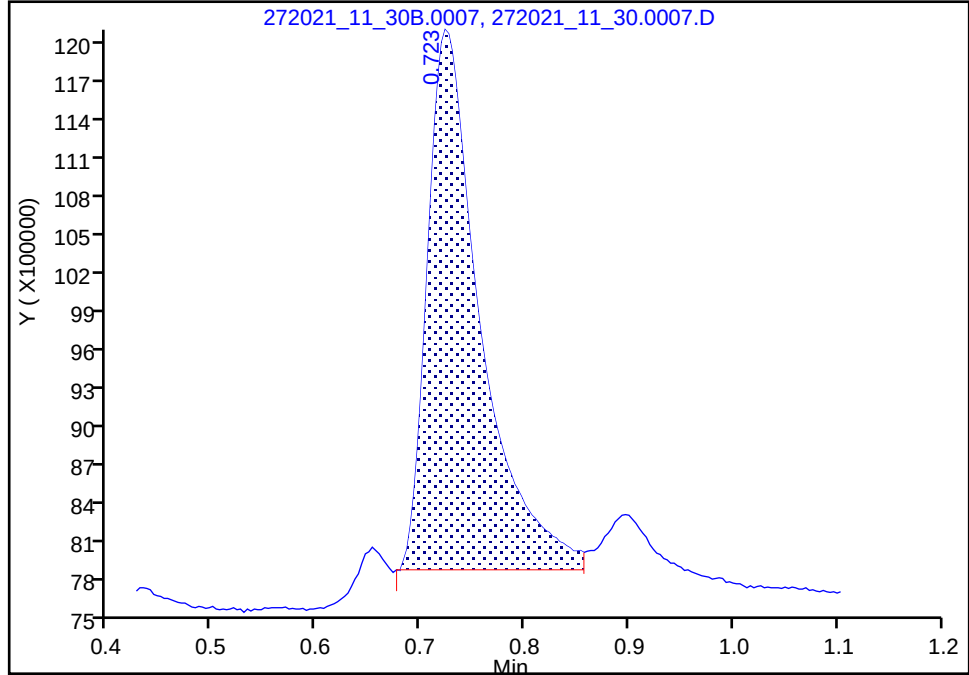
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0007.D
Injection Date: 30-Nov-2021 12:14:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

1 Methanol, CAS: 67-56-1

Signal: 2

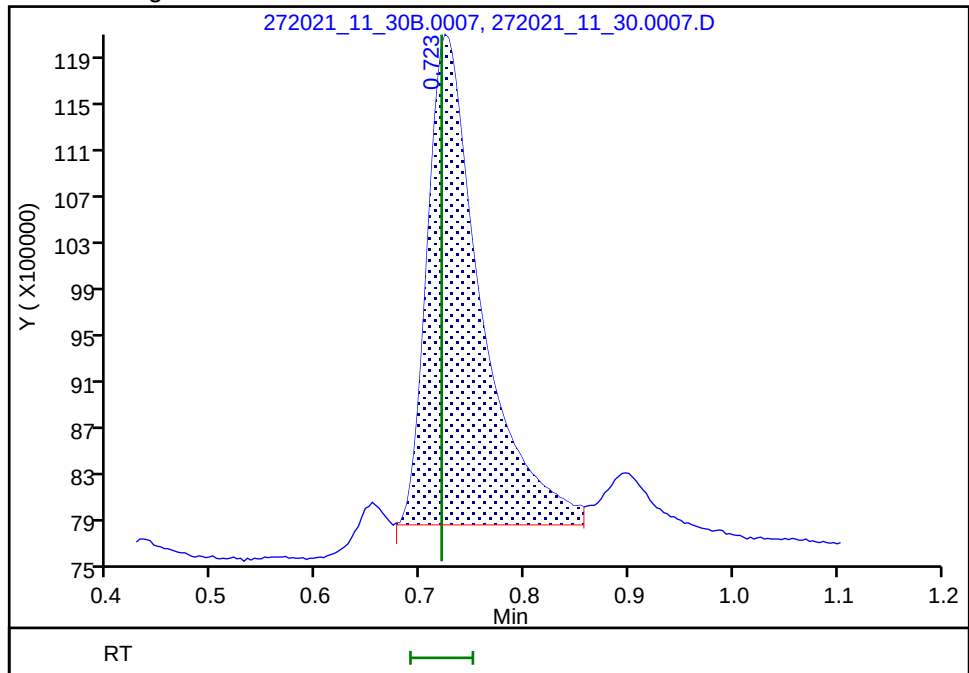
RT: 0.72
Area: 14991671
Amount: 2082.9986
Amount Units: ug/l

Processing Integration Results



RT: 0.72
Area: 15193961
Amount: 2202.6734
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:13:49

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

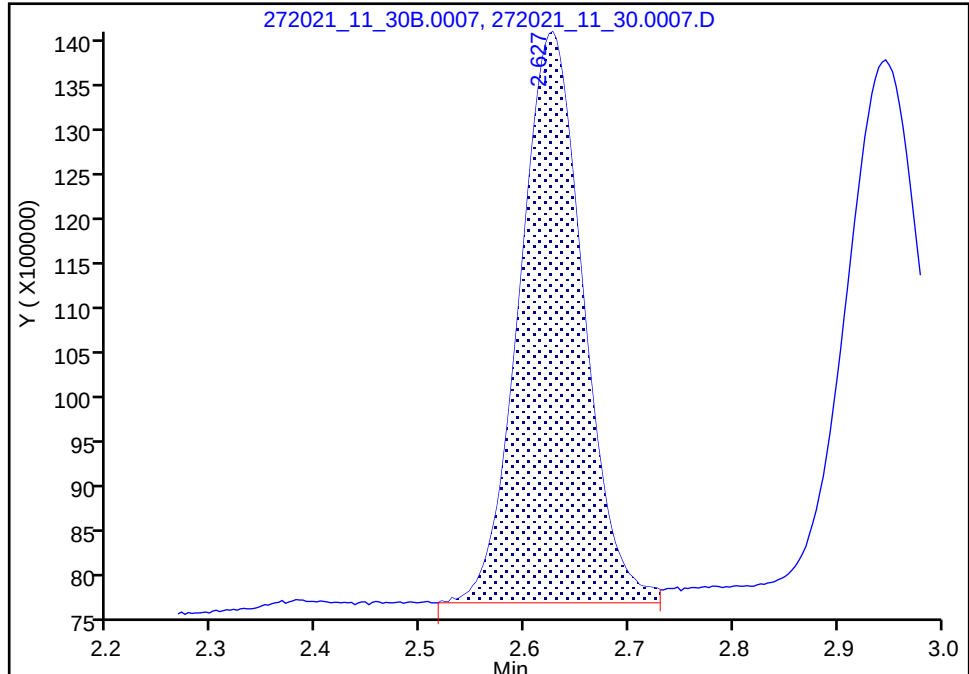
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0007.D
Injection Date: 30-Nov-2021 12:14:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

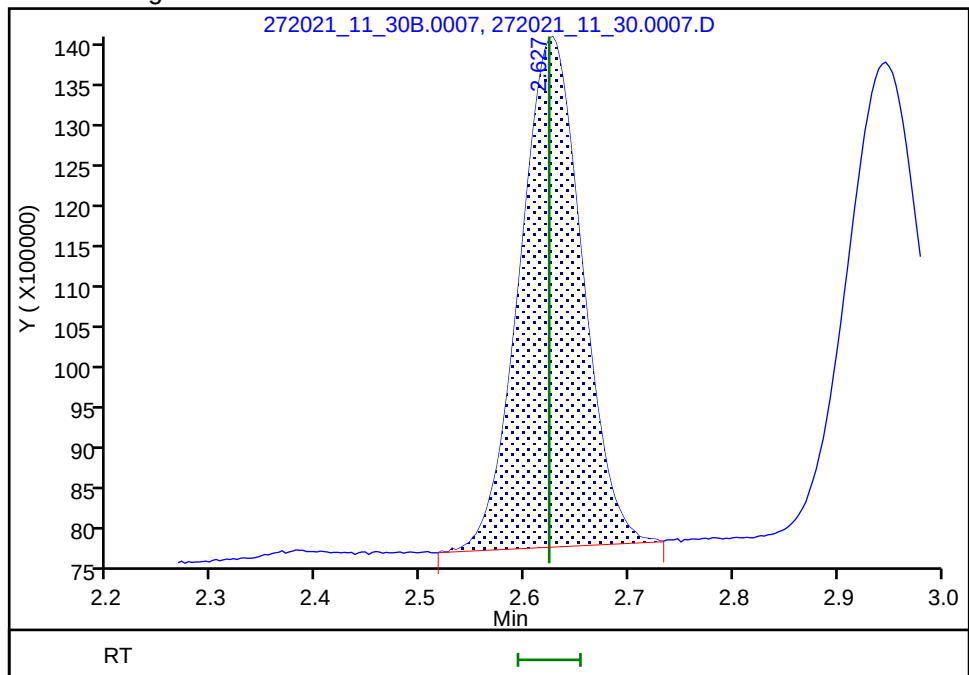
RT: 2.63
Area: 27360417
Amount: 2668.8008
Amount Units: ug/l

Processing Integration Results



RT: 2.63
Area: 26464535
Amount: 2623.7981
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:14:30

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

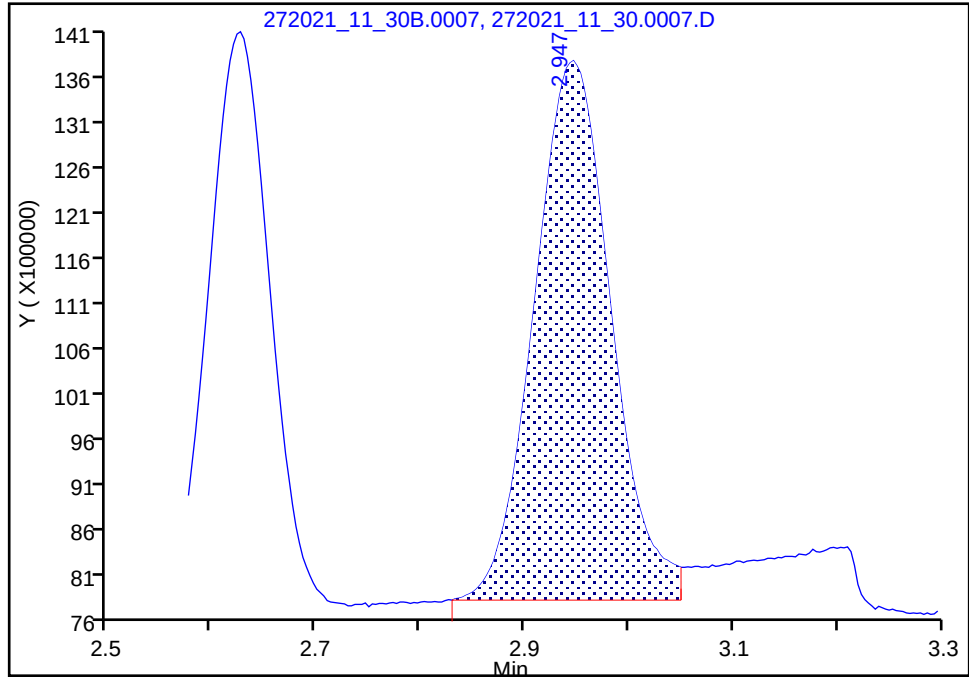
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0007.D
Injection Date: 30-Nov-2021 12:14:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

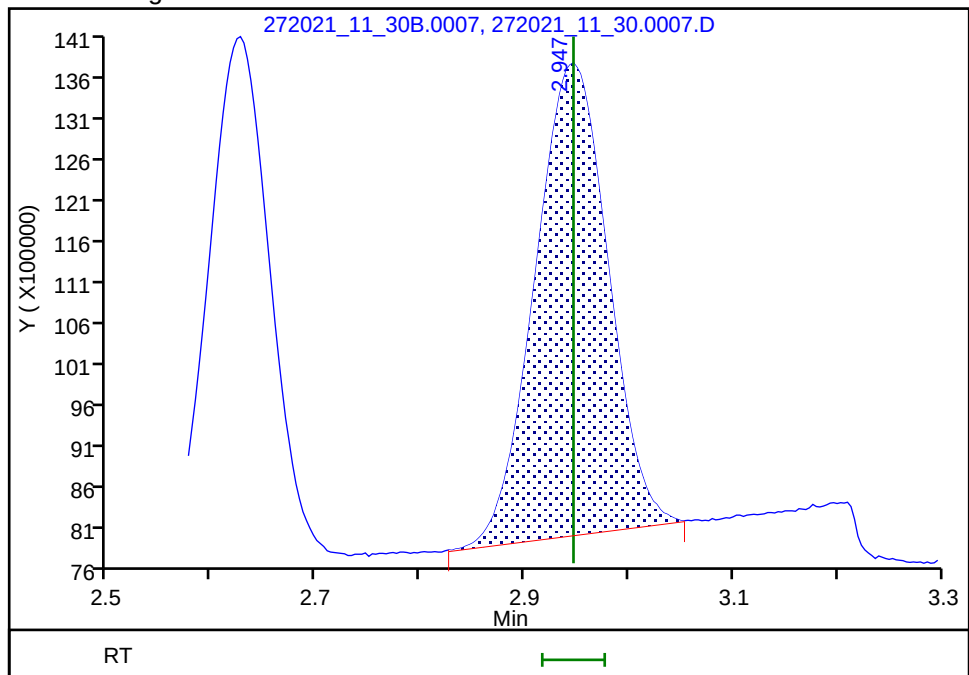
RT: 2.95
Area: 30269796
Amount: 2489.2386
Amount Units: ug/l

Processing Integration Results



RT: 2.95
Area: 28045192
Amount: 2423.9033
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:14:34

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

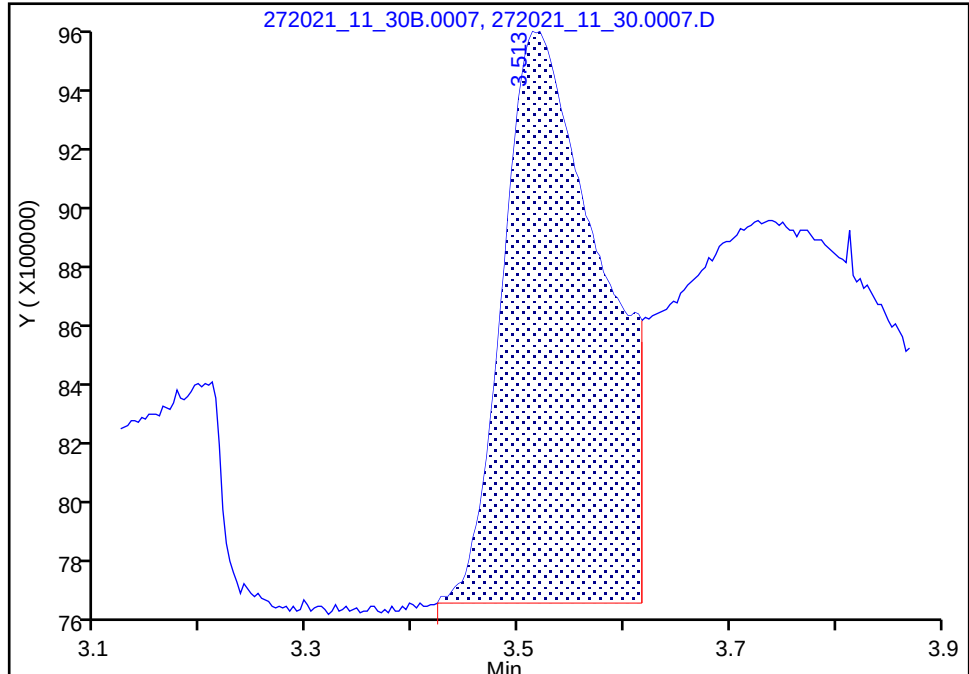
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0007.D
Injection Date: 30-Nov-2021 12:14:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

4 Propanol, CAS: 71-23-8

Signal: 2

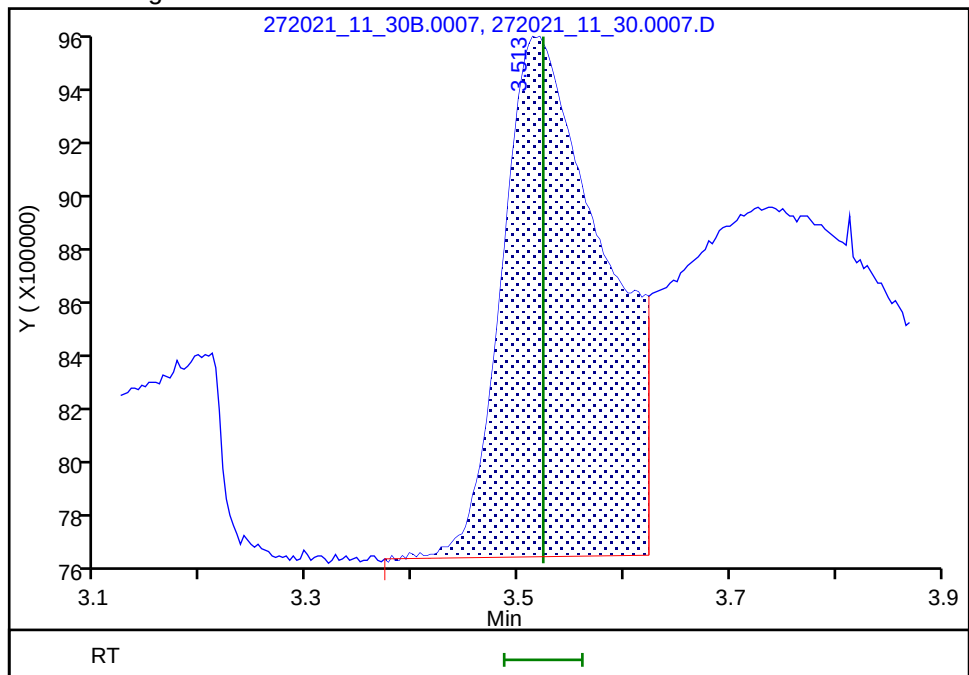
RT: 3.51
Area: 11880208
Amount: 1900.3719
Amount Units: ug/l

Processing Integration Results



RT: 3.51
Area: 12426149
Amount: 1771.0963
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 30-Nov-2021 13:56:42

Audit Action: Split an Integrated Peak

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0008.D
 Lims ID: icrt
 Client ID:
 Sample Type: ICRT Calib Level: 3
 Inject. Date: 30-Nov-2021 12:33:00 ALS Bottle#: 0 Worklist Smp#: 8
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: icrt
 Misc. Info.: 410-0045155-008
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 07:24:46 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 30-Nov-2021 13:18:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.340	0.340	0.000	15118753	5014.0	4552.3	
2	0.720	0.720	0.000	33626376	5014.0	4874.8	M
RPD = 6.84							
2 Ethanol							M
1	0.440	0.440	0.000	21877083	5002.0	4733.7	M
2	1.653	1.653	0.000	53358097	5002.0	5047.8	M
RPD = 6.42							
3 Isopropyl alcohol							M
1	0.543	0.543	0.000	21870313	5010.0	4996.5	M
2	2.947	2.947	0.000	58484074	5010.0	5054.7	M
RPD = 1.16							
4 Propanol							M
1	0.730	0.730	0.000	32255211	5069.5	4971.7	M
2	3.523	3.523	0.000	42235416	5069.5	6019.8	
RPD = 19.07							
\$ 5 Acetone							M
1	0.967	0.967	0.000	18164583	5008.0	4846.2	
2	2.623	2.623	0.000	49299949	5008.0	4887.8	M
RPD = 0.86							
6 Isobutyl alcohol							M
1	1.113	1.113	0.000	33108857	5144.2	5046.5	M
7 n-Butanol							
1	1.390	1.390	0.000	28778128	5169.0	5181.0	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME3_00026

Amount Added: 1.00

Units: mL

Report Date: 01-Dec-2021 07:24:46

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0008.D

Injection Date: 30-Nov-2021 12:33:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: icrt

Worklist Smp#: 8

Client ID:

Purge Vol: 1.000 uL

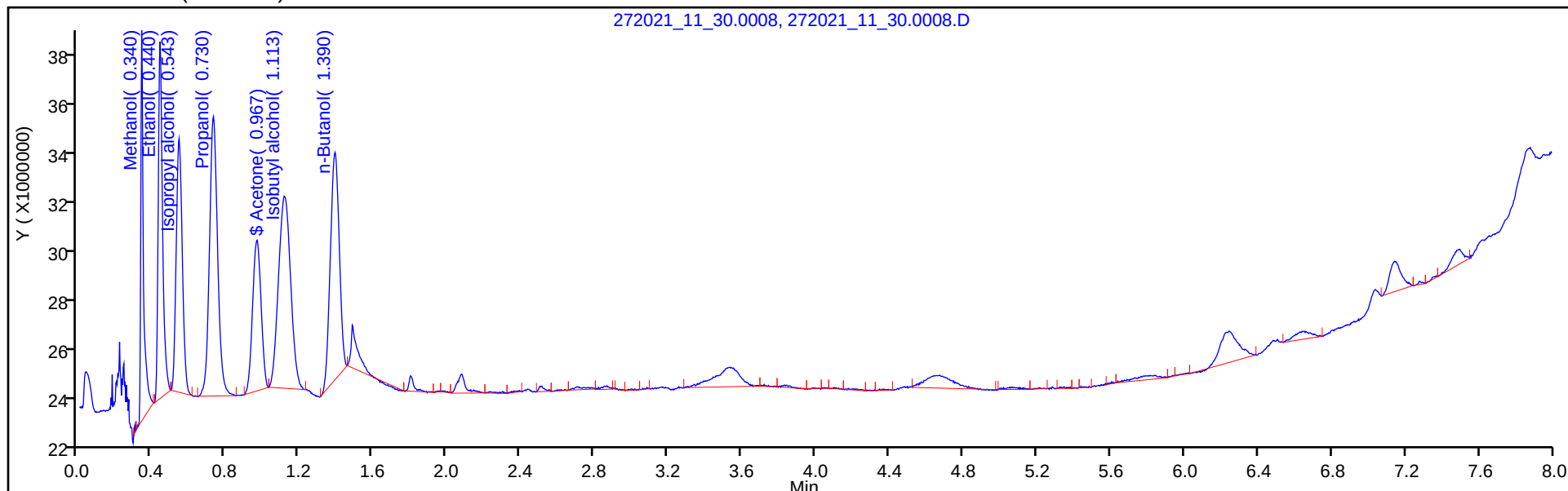
Dil. Factor: 1.0000

ALS Bottle#: 0

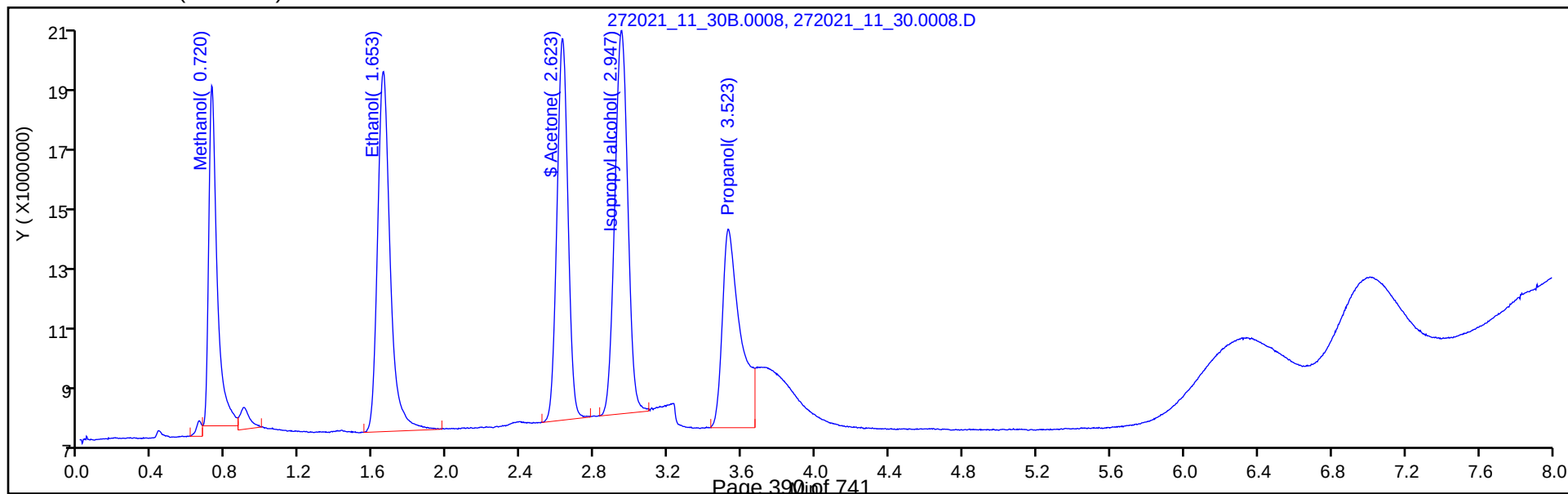
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

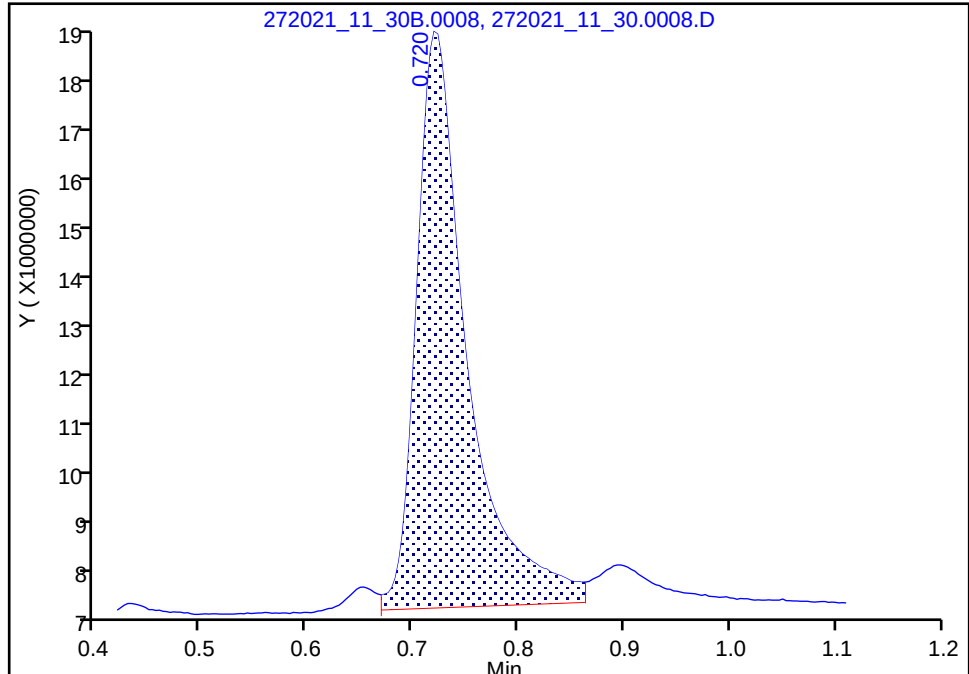
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0008.D
Injection Date: 30-Nov-2021 12:33:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

1 Methanol, CAS: 67-56-1

Signal: 2

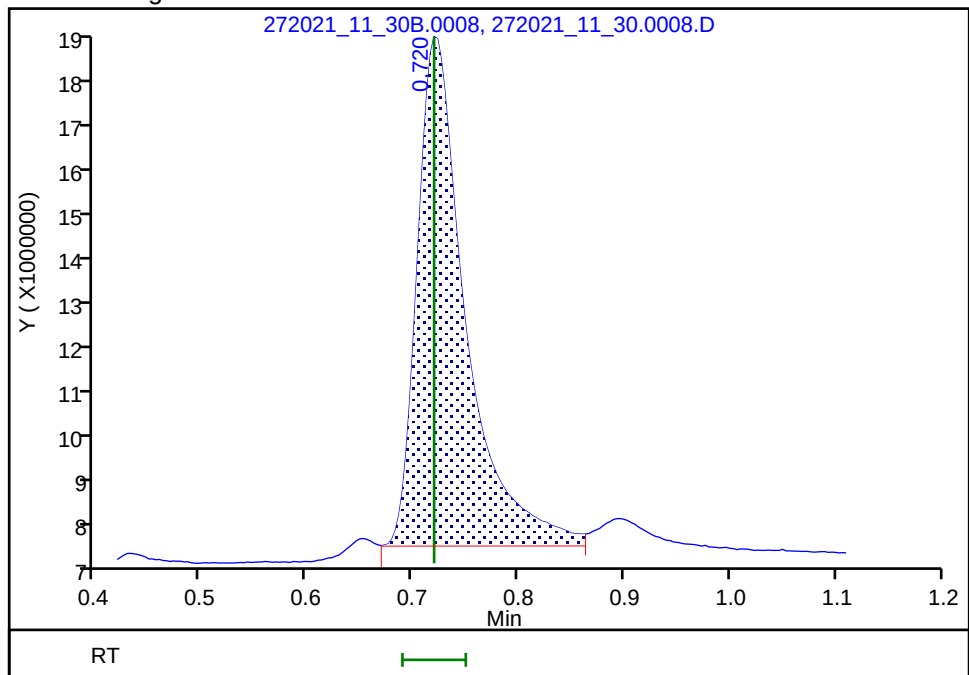
RT: 0.72
Area: 36022160
Amount: 5126.2966
Amount Units: ug/l

Processing Integration Results



RT: 0.72
Area: 33626376
Amount: 4874.8264
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:19:46

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

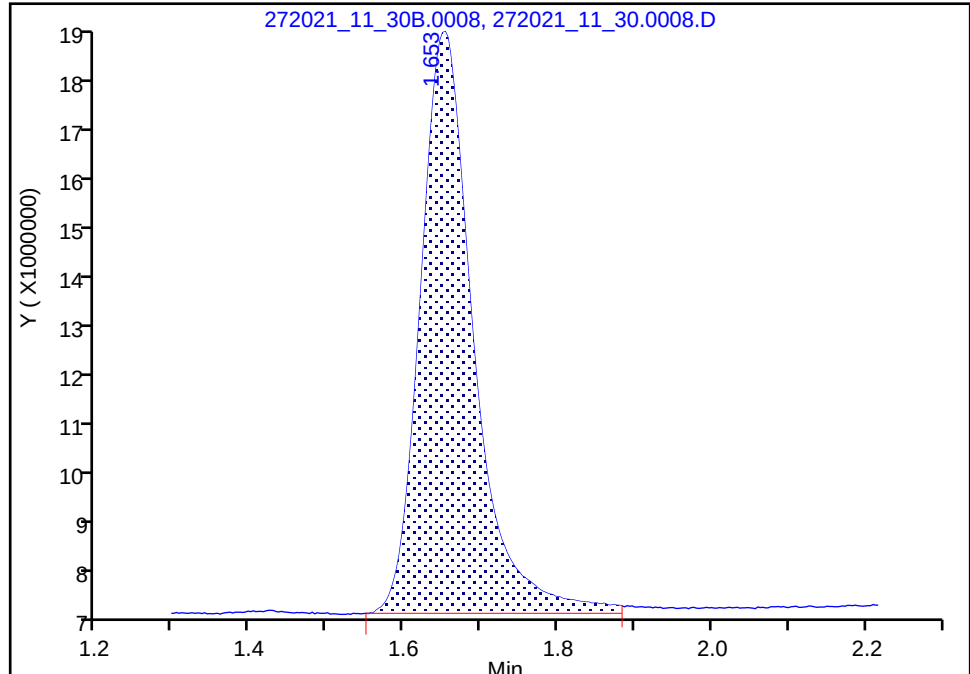
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0008.D
Injection Date: 30-Nov-2021 12:33:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

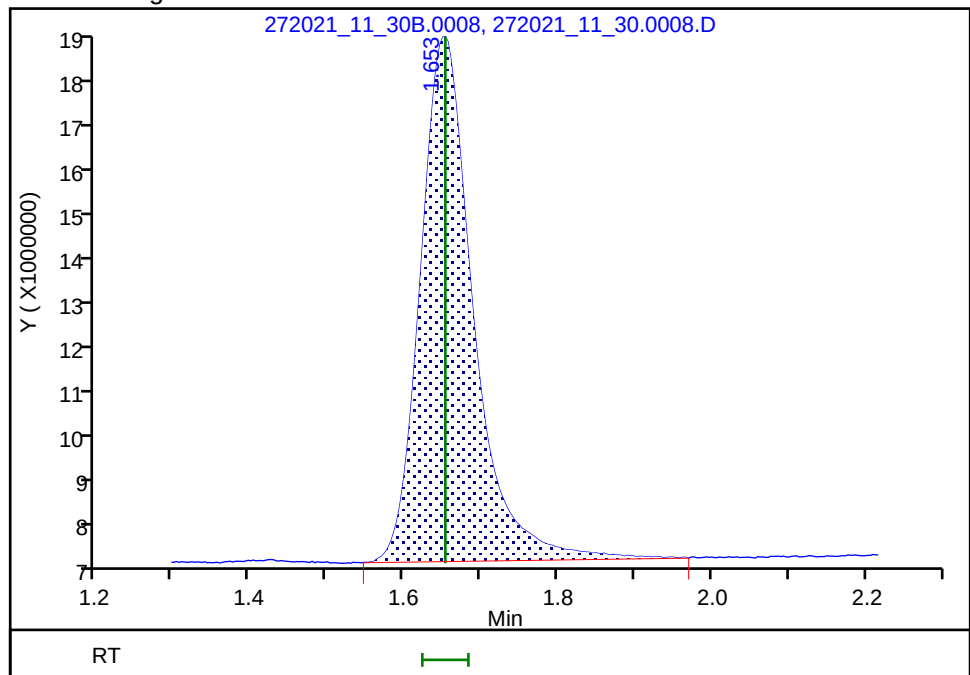
RT: 1.65
Area: 53752091
Amount: 5041.0082
Amount Units: ug/l

Processing Integration Results



RT: 1.65
Area: 53358097
Amount: 5047.7950
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:19:58

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

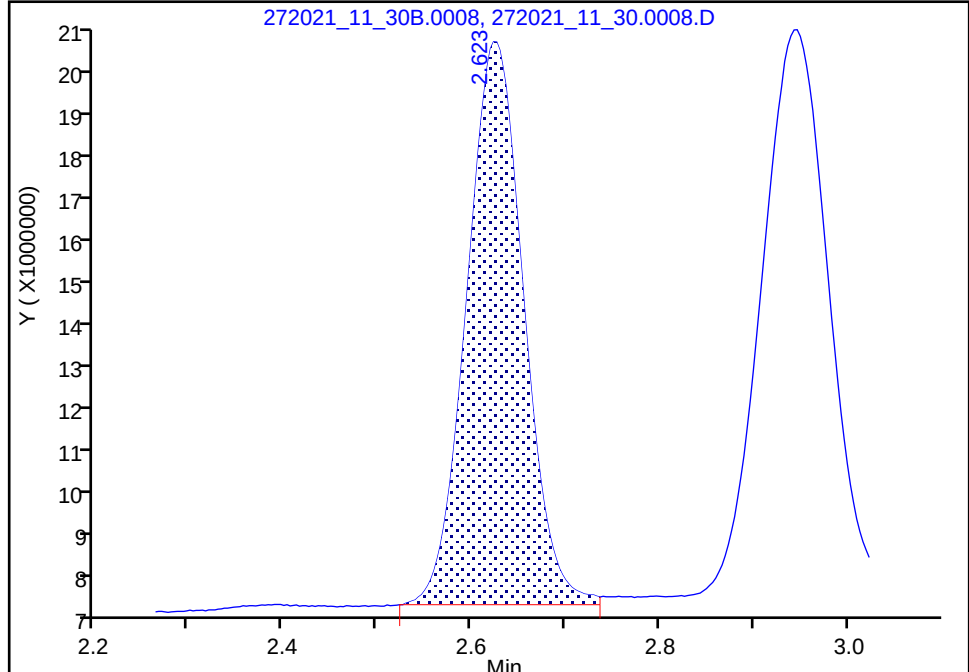
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0008.D
Injection Date: 30-Nov-2021 12:33:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

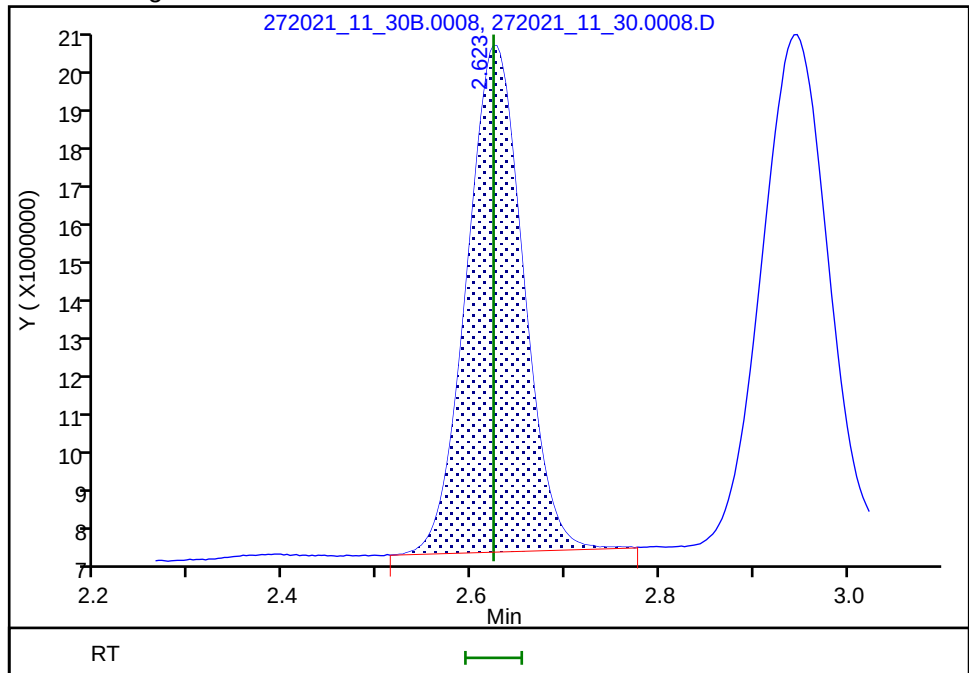
RT: 2.62
Area: 49922915
Amount: 4928.9219
Amount Units: ug/l

Processing Integration Results



RT: 2.62
Area: 49299949
Amount: 4887.7909
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:20:13

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

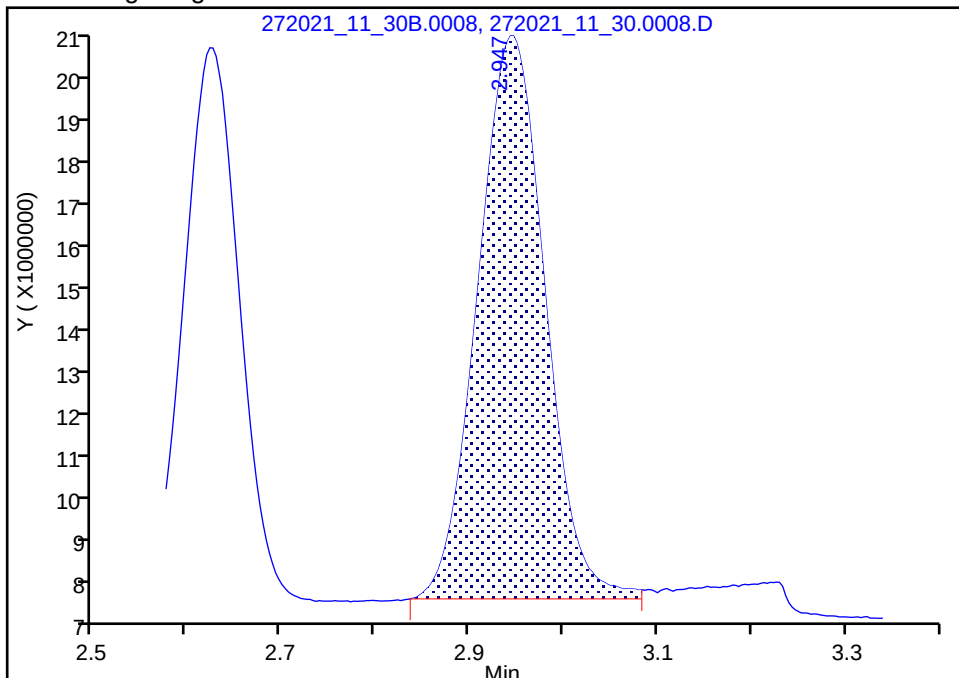
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0008.D
Injection Date: 30-Nov-2021 12:33:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

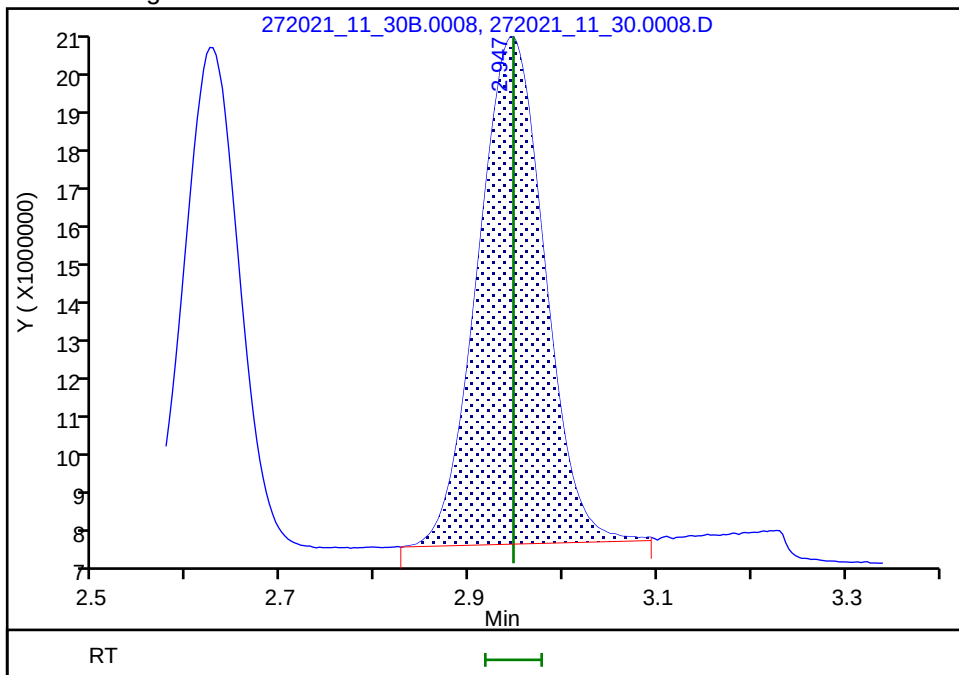
RT: 2.95
Area: 59075007
Amount: 4858.0369
Amount Units: ug/l

Processing Integration Results



RT: 2.95
Area: 58484074
Amount: 5054.6895
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:20:05
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0009.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 30-Nov-2021 12:51:00 ALS Bottle#: 0 Worklist Smp#: 9
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045155-009
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 07:24:47 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 30-Nov-2021 13:20:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.340	0.340	0.000	30688542	10028	9240.4	M
2	0.720	0.720	0.000	71708332	10028	10396	
RPD = 11.77							
2 Ethanol							M
1	0.440	0.440	0.000	43195834	10004	9346.7	M
2	1.650	1.653	-0.003	107977629	10004	10215	M
RPD = 8.88							
3 Isopropyl alcohol							M
1	0.543	0.543	0.000	45410419	10020	10374	M
2	2.943	2.947	-0.004	116571064	10020	10075	M
RPD = 2.93							
4 Propanol							M
1	0.730	0.730	0.000	62861980	10139	10288	M
2	3.517	3.523	-0.006	77385600	10139	11030	M
RPD = 6.96							
\$ 5 Acetone							M
1	0.967	0.967	0.000	37306772	10016	9953.2	M
2	2.623	2.623	0.000	97532887	10016	9669.8	M
RPD = 2.89							
6 Isobutyl alcohol							M
1	1.113	1.113	0.000	67730209	10288	10324	M
7 n-Butanol							
1	1.390	1.390	0.000	64065107	10338	11534	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME4_00008

Amount Added: 1.00

Units: mL

Report Date: 01-Dec-2021 07:24:47

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0009.D

Injection Date: 30-Nov-2021 12:51:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 9

Client ID:

Purge Vol: 1.000 uL

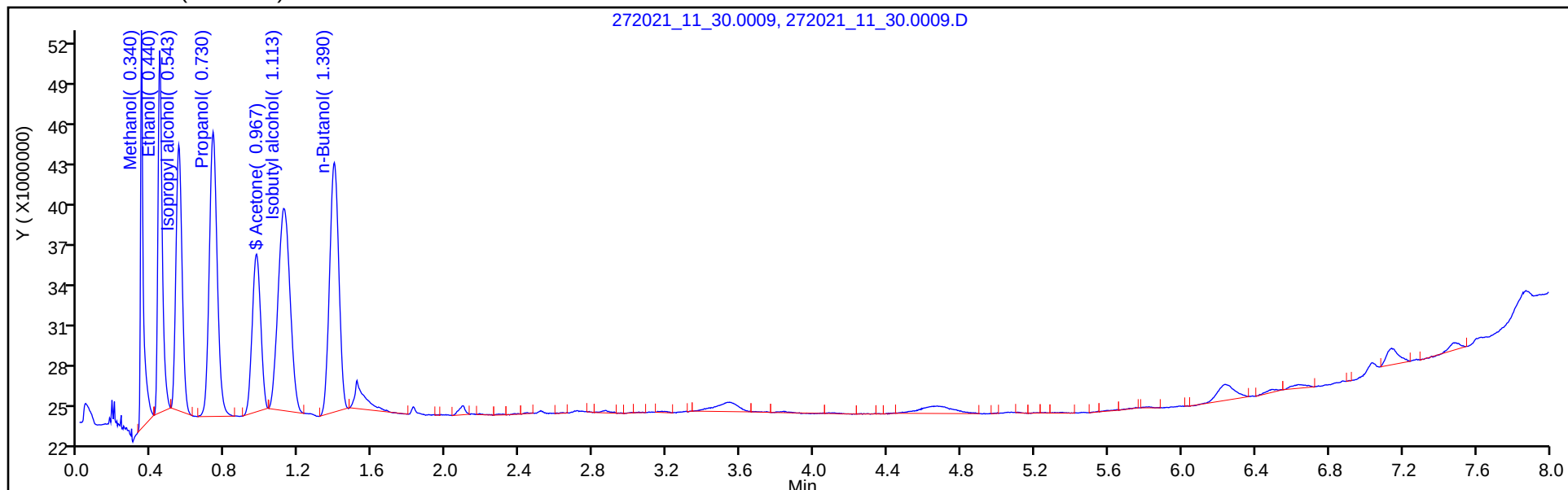
Dil. Factor: 1.0000

ALS Bottle#: 0

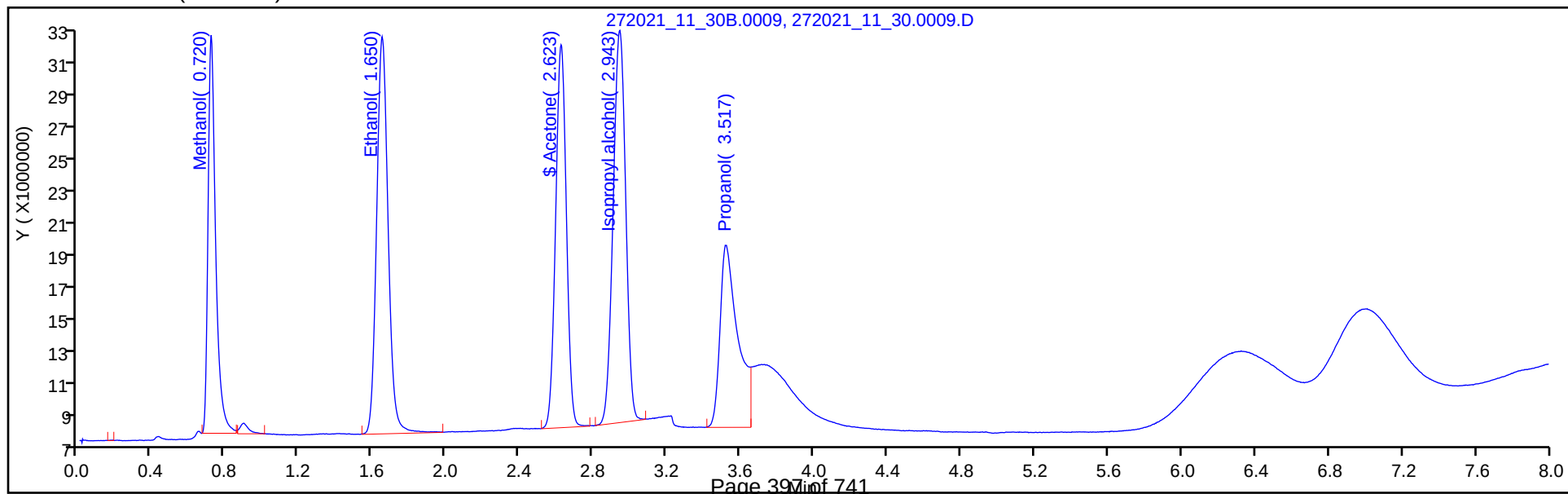
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

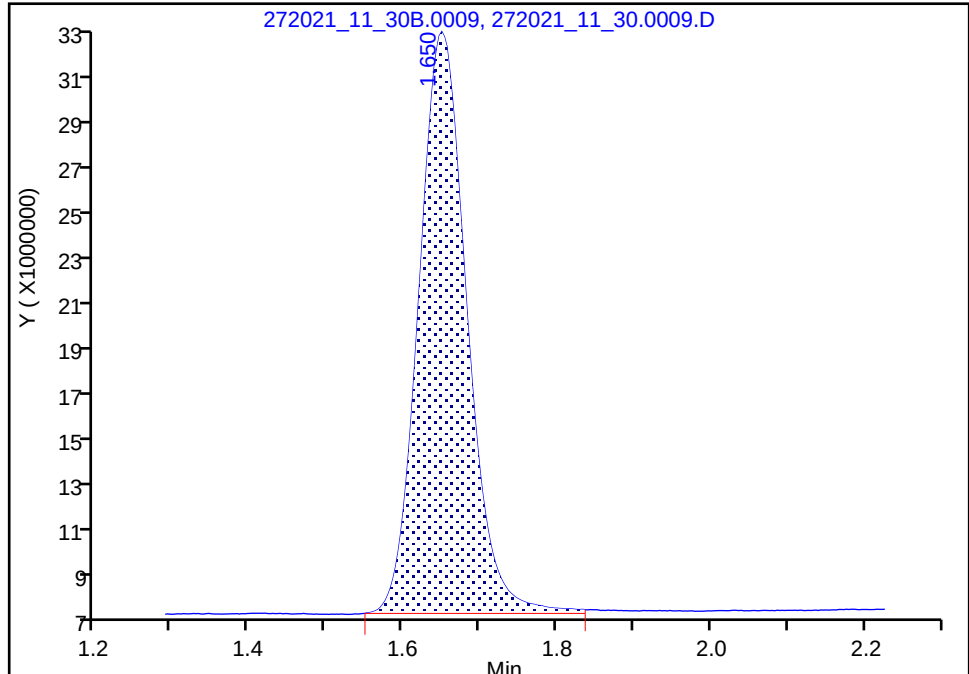
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0009.D
Injection Date: 30-Nov-2021 12:51:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

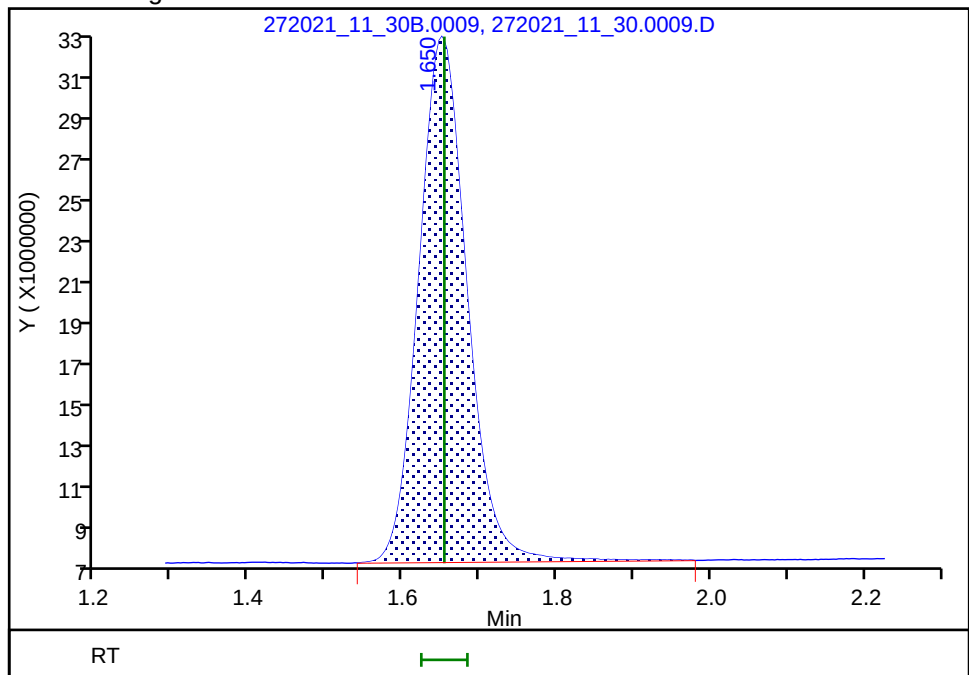
RT: 1.65
Area: 107480212
Amount: 10080
Amount Units: ug/l

Processing Integration Results



RT: 1.65
Area: 107977629
Amount: 10215
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:20:31

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

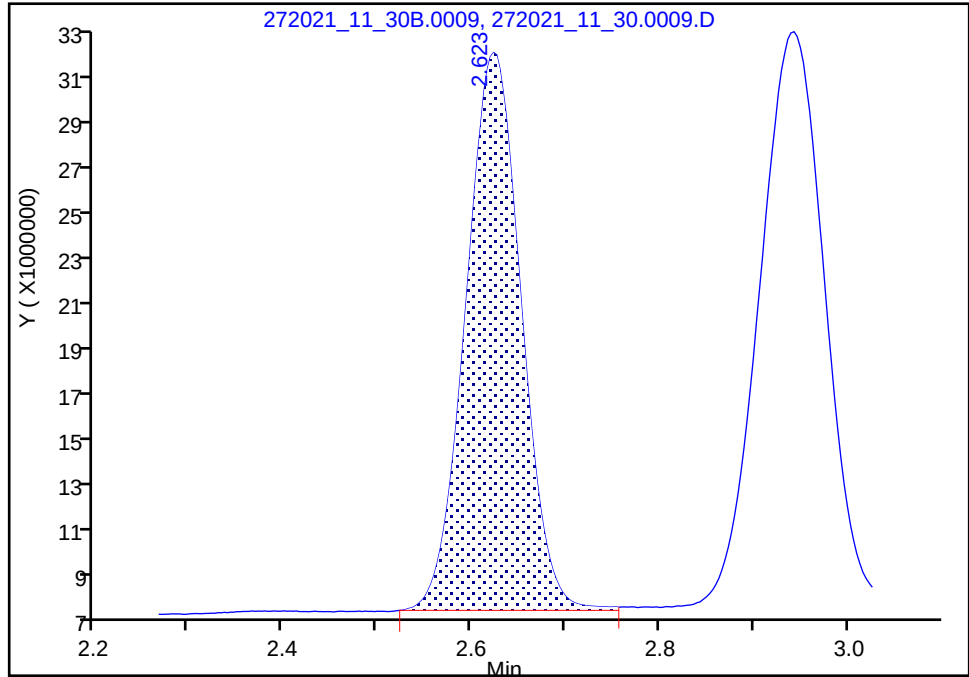
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0009.D
Injection Date: 30-Nov-2021 12:51:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

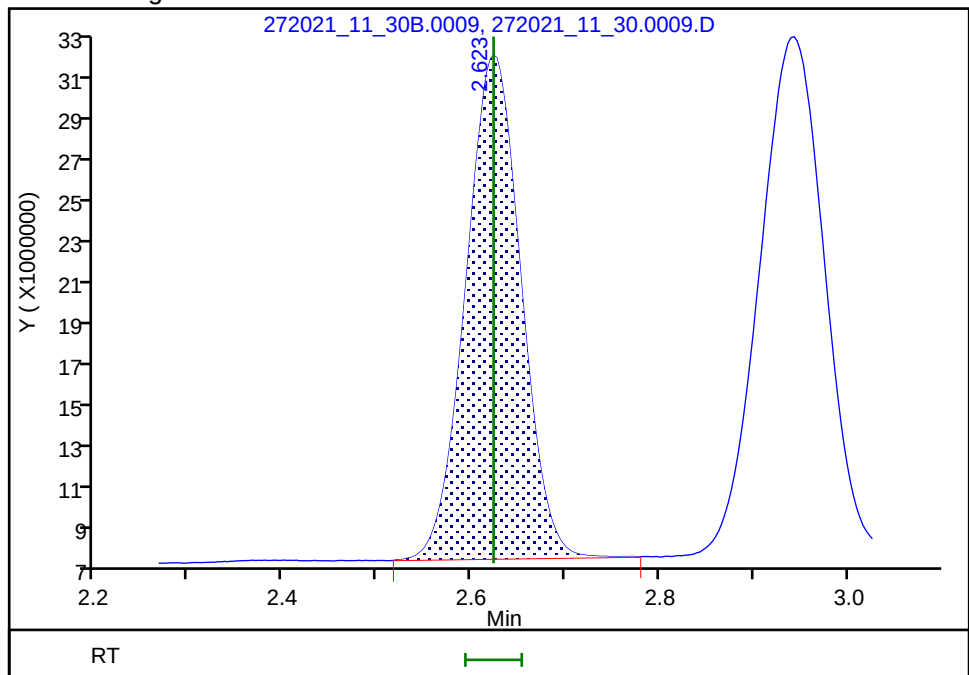
RT: 2.62
Area: 97826045
Amount: 9542.1873
Amount Units: ug/l

Processing Integration Results



RT: 2.62
Area: 97532887
Amount: 9669.7942
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:20:57

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

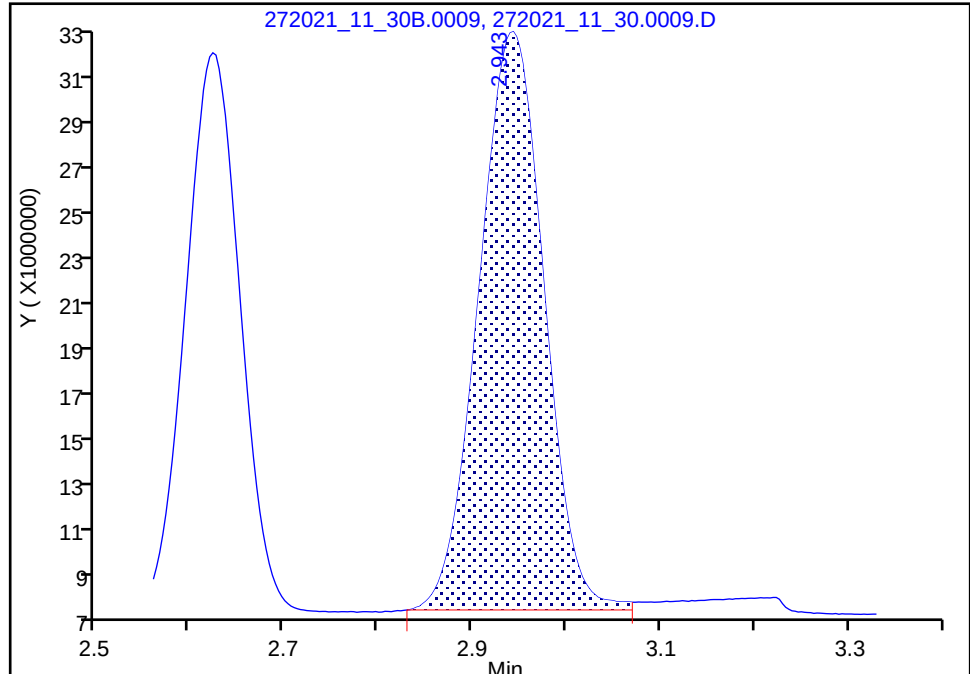
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0009.D
Injection Date: 30-Nov-2021 12:51:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

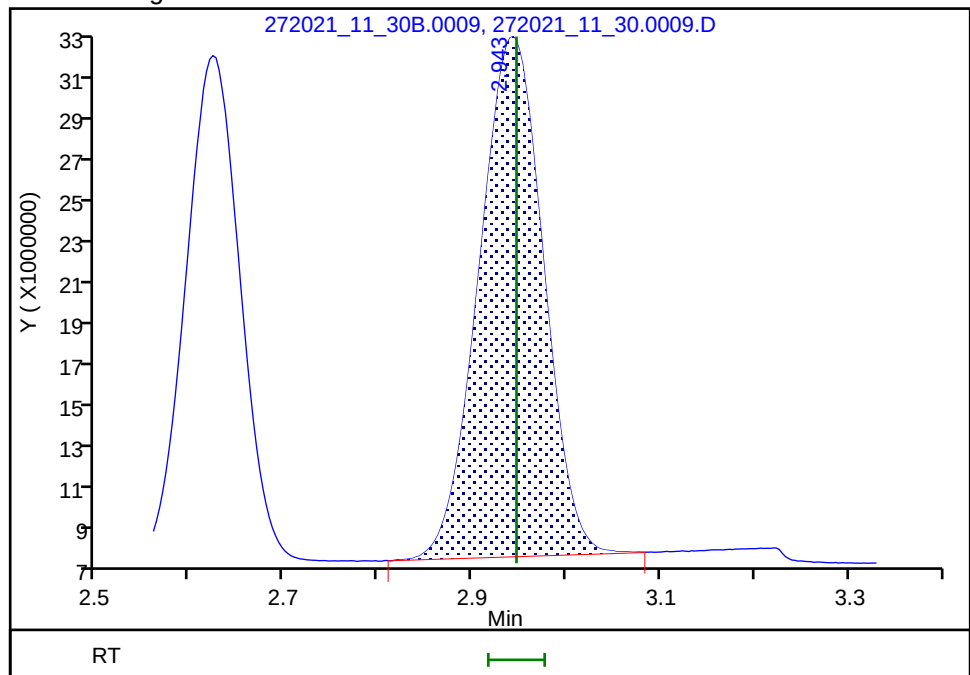
RT: 2.94
Area: 118348962
Amount: 9732.4344
Amount Units: ug/l

Processing Integration Results



RT: 2.94
Area: 116571064
Amount: 10075
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:20:37

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

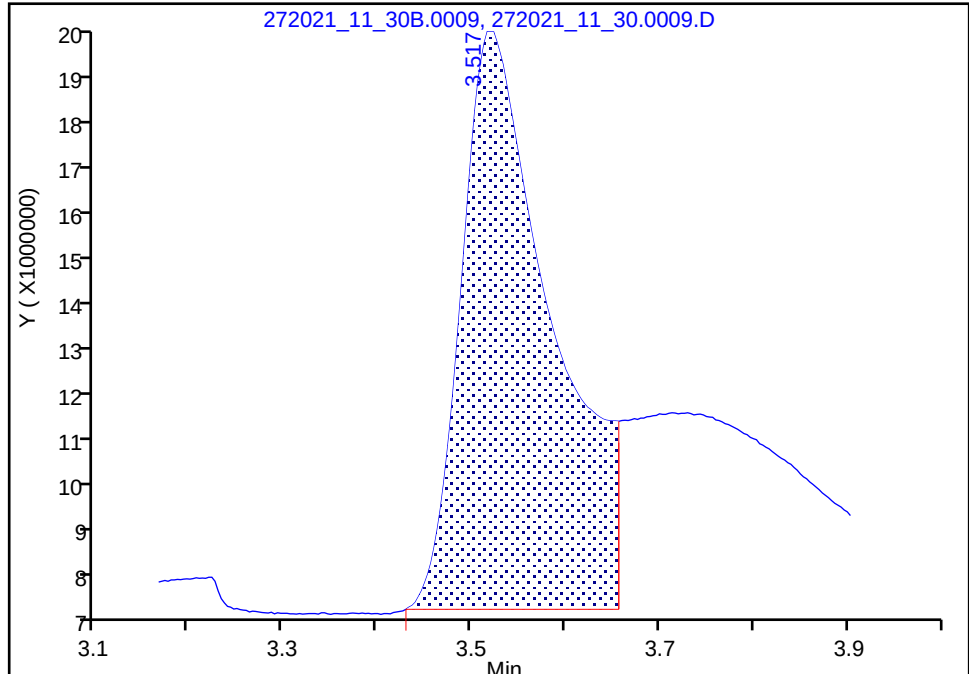
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0009.D
Injection Date: 30-Nov-2021 12:51:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

4 Propanol, CAS: 71-23-8

Signal: 2

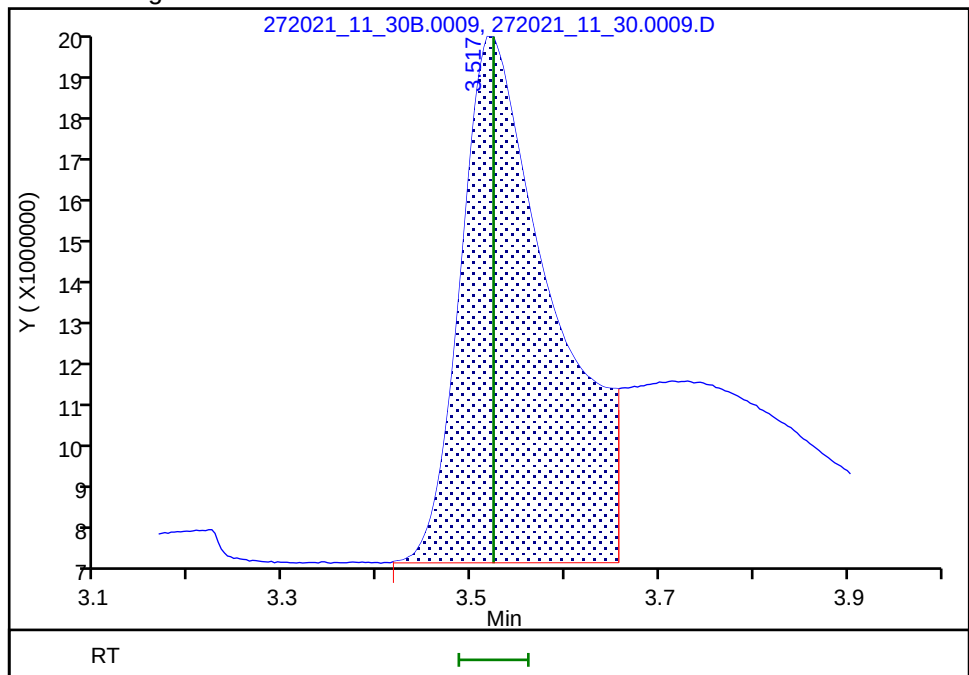
RT: 3.52
Area: 76119794
Amount: 9921.5551
Amount Units: ug/l

Processing Integration Results



RT: 3.52
Area: 77385600
Amount: 11030
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:21:12
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 401 of 741

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 30-Nov-2021 13:10:00 ALS Bottle#: 0 Worklist Smp#: 10
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045155-010
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 07:24:48 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 30-Nov-2021 13:53:46

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.340	0.340	0.000	60686464	20056	18273	M
2	0.720	0.720	0.000	146570051	20056	21248	M
RPD = 15.06							
2 Ethanol							M
1	0.440	0.440	0.000	84086461	20008	18195	M
2	1.650	1.653	-0.003	218427790	20008	20664	M
RPD = 12.71							
3 Isopropyl alcohol							M
1	0.543	0.543	0.000	89994796	20040	20560	M
2	2.943	2.947	-0.004	233164276	20040	20152	M
RPD = 2.01							
4 Propanol							M
1	0.730	0.730	0.000	120119796	20278	20234	M
2	3.520	3.523	-0.003	159241671	20278	22697	
RPD = 11.47							
\$ 5 Acetone							M
1	0.967	0.967	0.000	72709379	20032	19398	
2	2.623	2.623	0.000	193936814	20032	19228	M
RPD = 0.88							
6 Isobutyl alcohol							
1	1.117	1.113	0.003	132358340	20577	20174	
7 n-Butanol							
1	1.390	1.390	0.000	129064590	20676	23236	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME5_00008

Amount Added: 1.00

Units: ml

Report Date: 01-Dec-2021 07:24:48

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D

Injection Date: 30-Nov-2021 13:10:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 10

Client ID:

Purge Vol: 1.000 uL

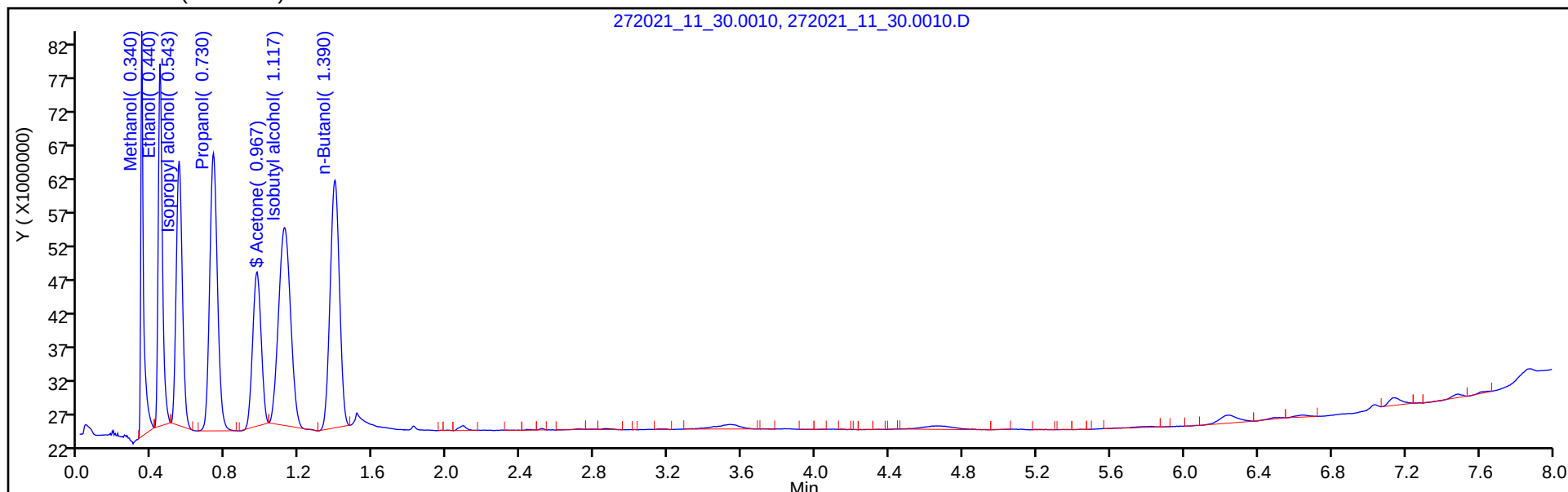
Dil. Factor: 1.0000

ALS Bottle#: 0

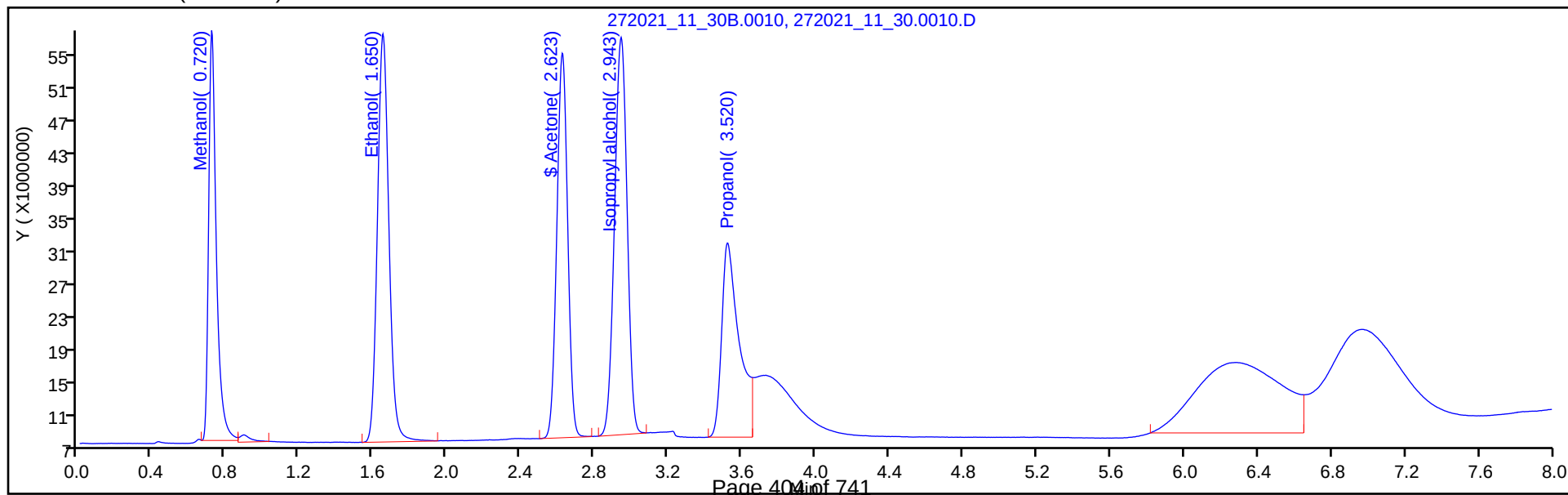
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

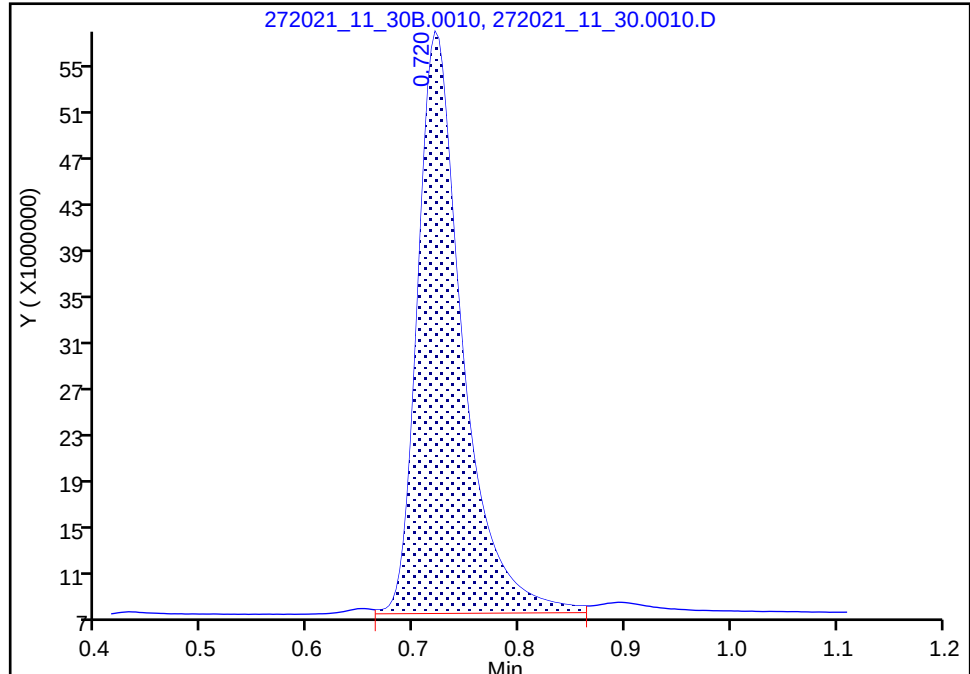
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
Injection Date: 30-Nov-2021 13:10:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

1 Methanol, CAS: 67-56-1

Signal: 2

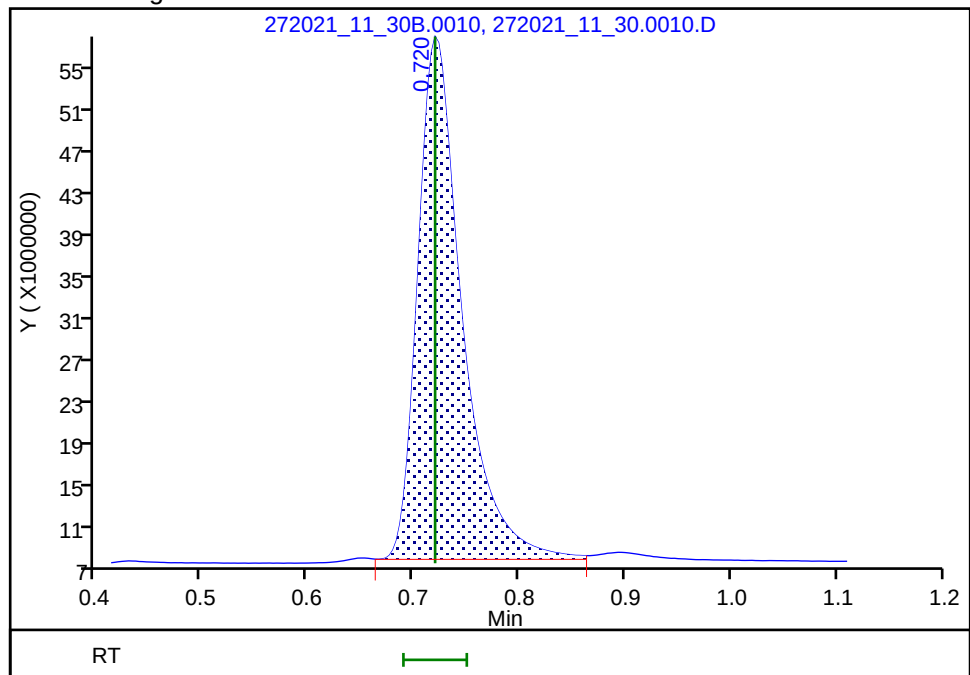
RT: 0.72
Area: 149920293
Amount: 20830
Amount Units: ug/l

Processing Integration Results



RT: 0.72
Area: 146570051
Amount: 21248
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:21:48

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

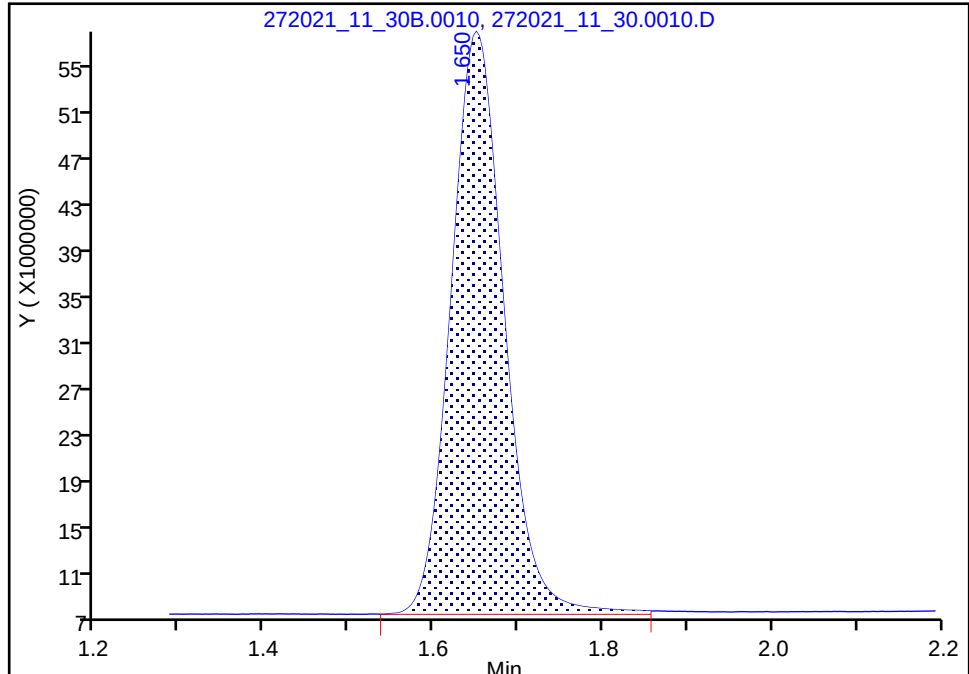
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
Injection Date: 30-Nov-2021 13:10:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

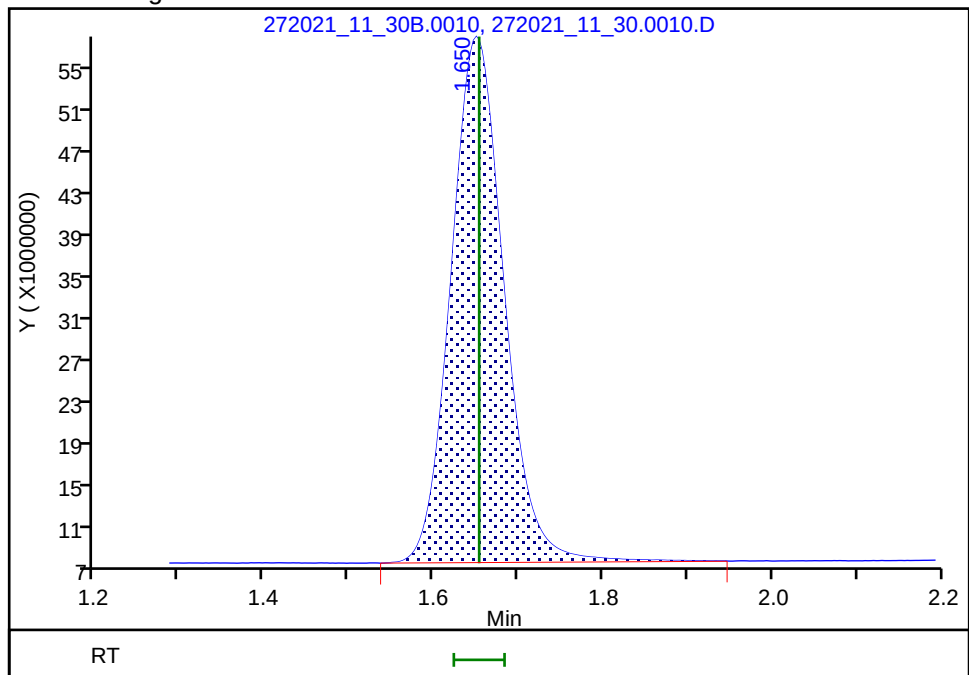
RT: 1.65
Area: 219495842
Amount: 20585
Amount Units: ug/l

Processing Integration Results



RT: 1.65
Area: 218427790
Amount: 20664
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:21:55

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

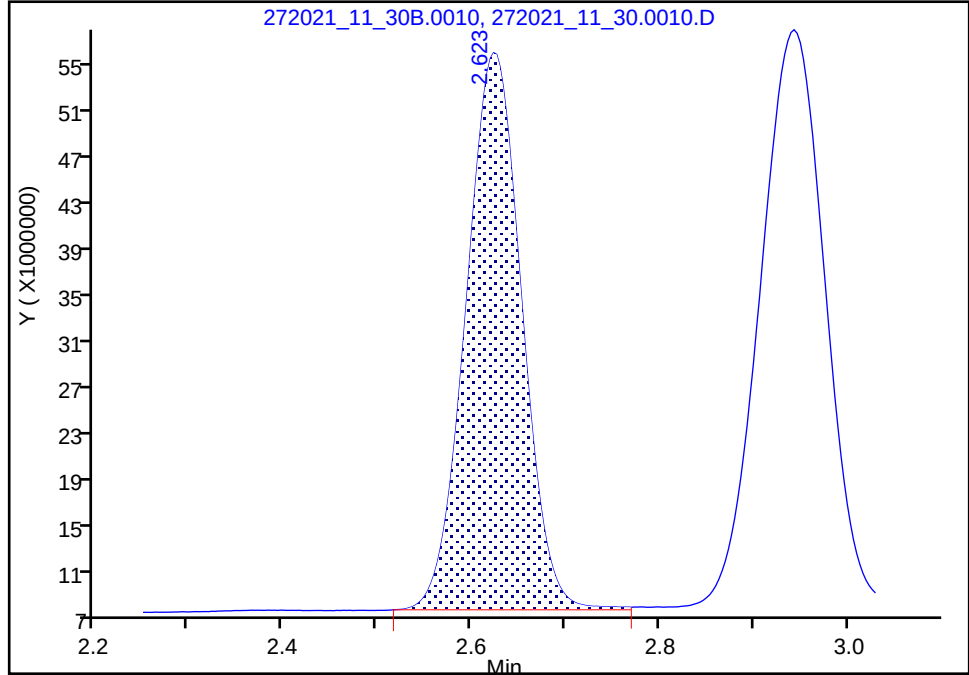
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
Injection Date: 30-Nov-2021 13:10:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

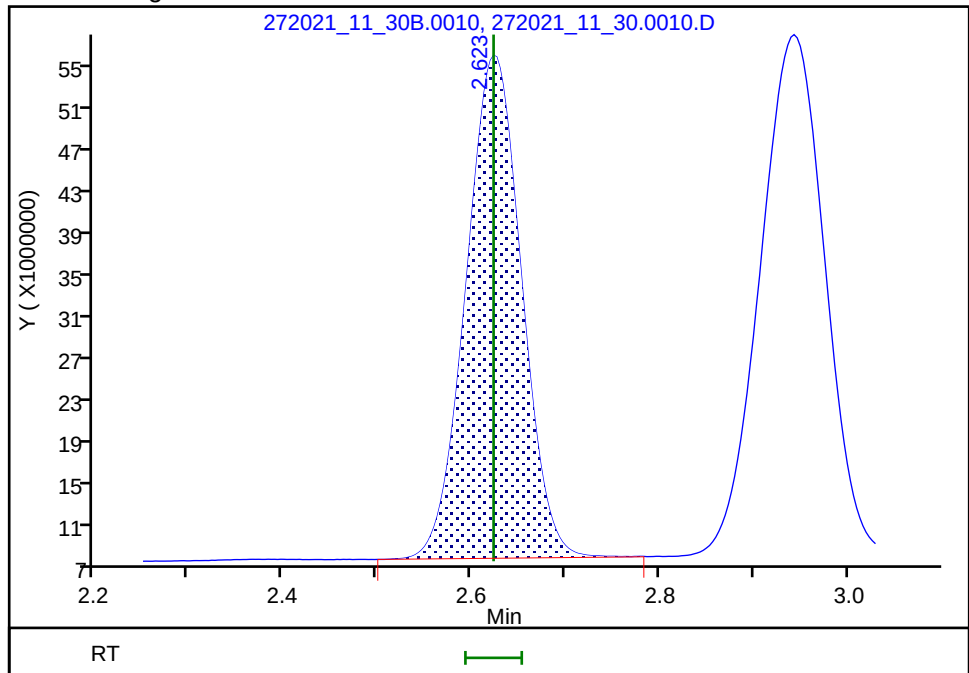
RT: 2.62
Area: 195087512
Amount: 19320
Amount Units: ug/l

Processing Integration Results



RT: 2.62
Area: 193936814
Amount: 19228
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:21:38

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

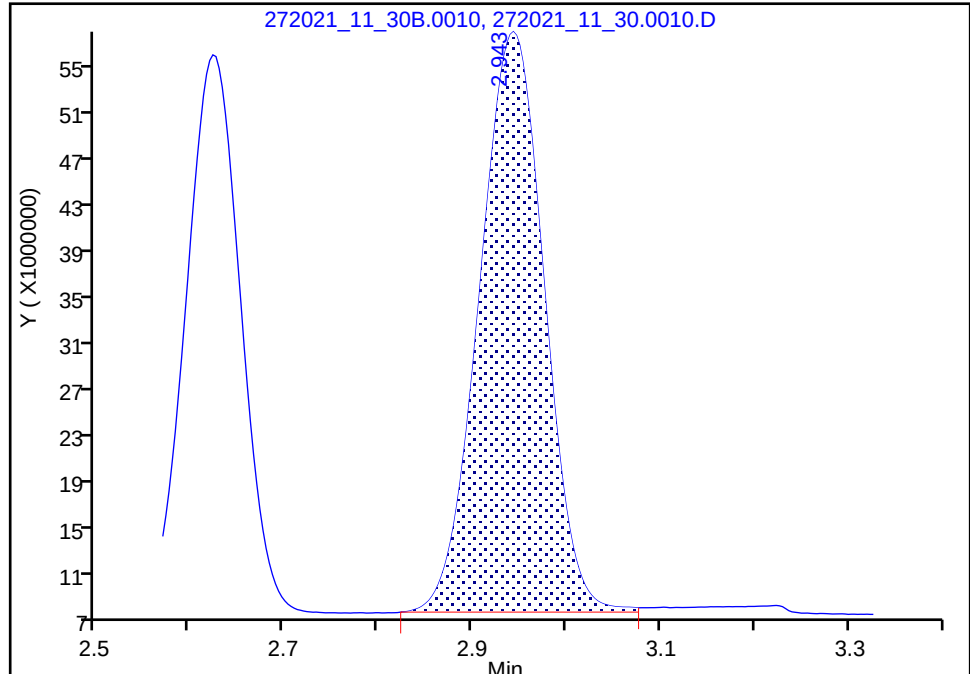
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
Injection Date: 30-Nov-2021 13:10:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

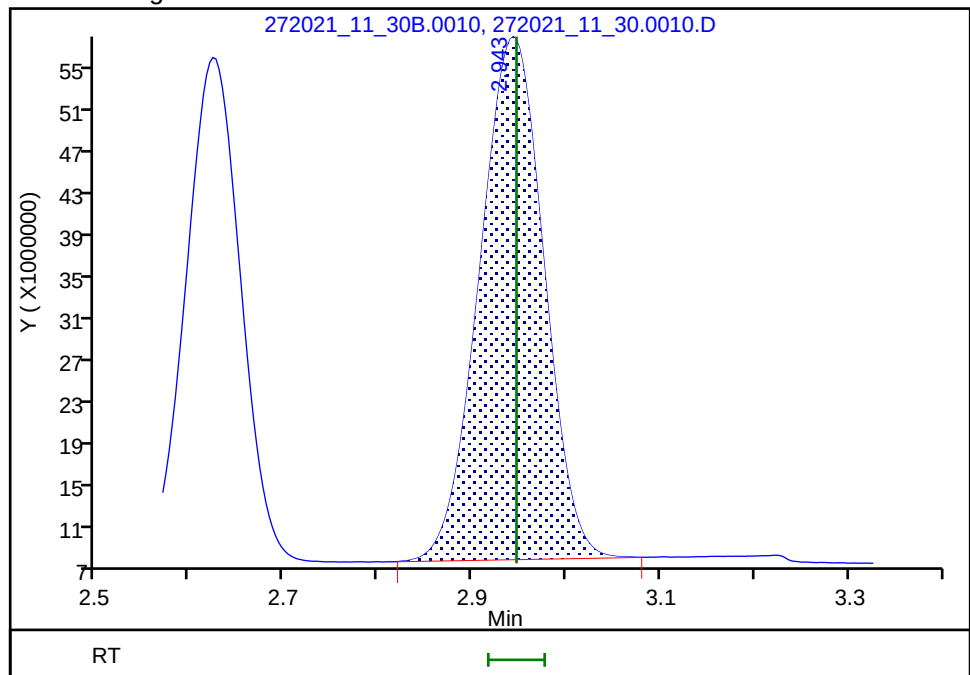
RT: 2.94
Area: 235427097
Amount: 19360
Amount Units: ug/l

Processing Integration Results



RT: 2.94
Area: 233164276
Amount: 20152
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:21:35

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Calibration

/ Methanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

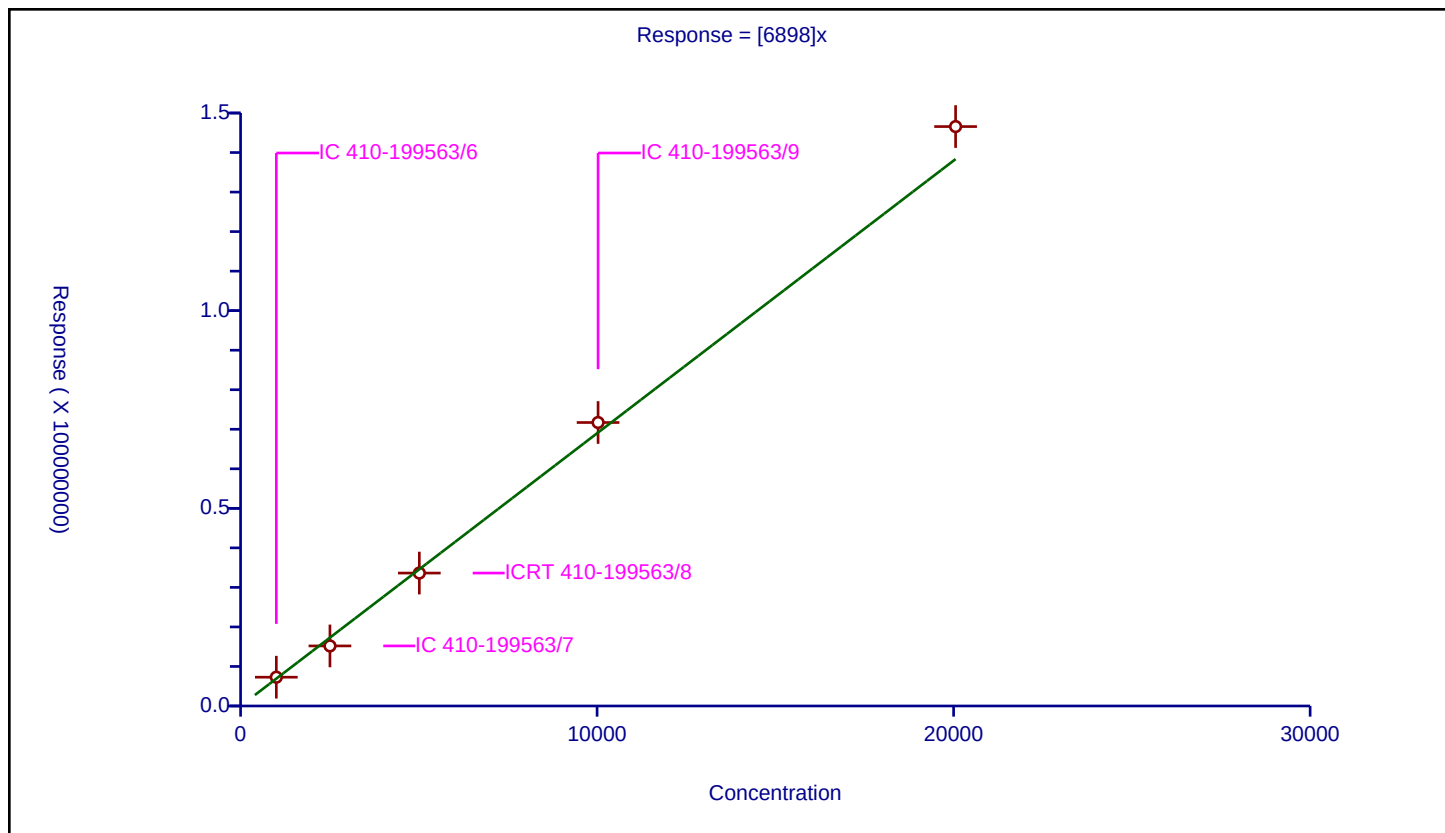
Curve Coefficients

Intercept: 0
 Slope: 6898

Error Coefficients

Standard Error: 4460000
 Relative Standard Error: 7.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-199563/6	1002.8	7284195.0			7263.856203	Y
2	IC 410-199563/7	2507.0	15193961.0			6060.614679	Y
3	ICRT 410-199563/8	5014.0	33626376.0			6706.497008	Y
4	IC 410-199563/9	10028.0	71708332.0			7150.810929	Y
5	IC 410-199563/10	20056.0	146570051.0			7308.040038	Y



Calibration

/ Ethanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

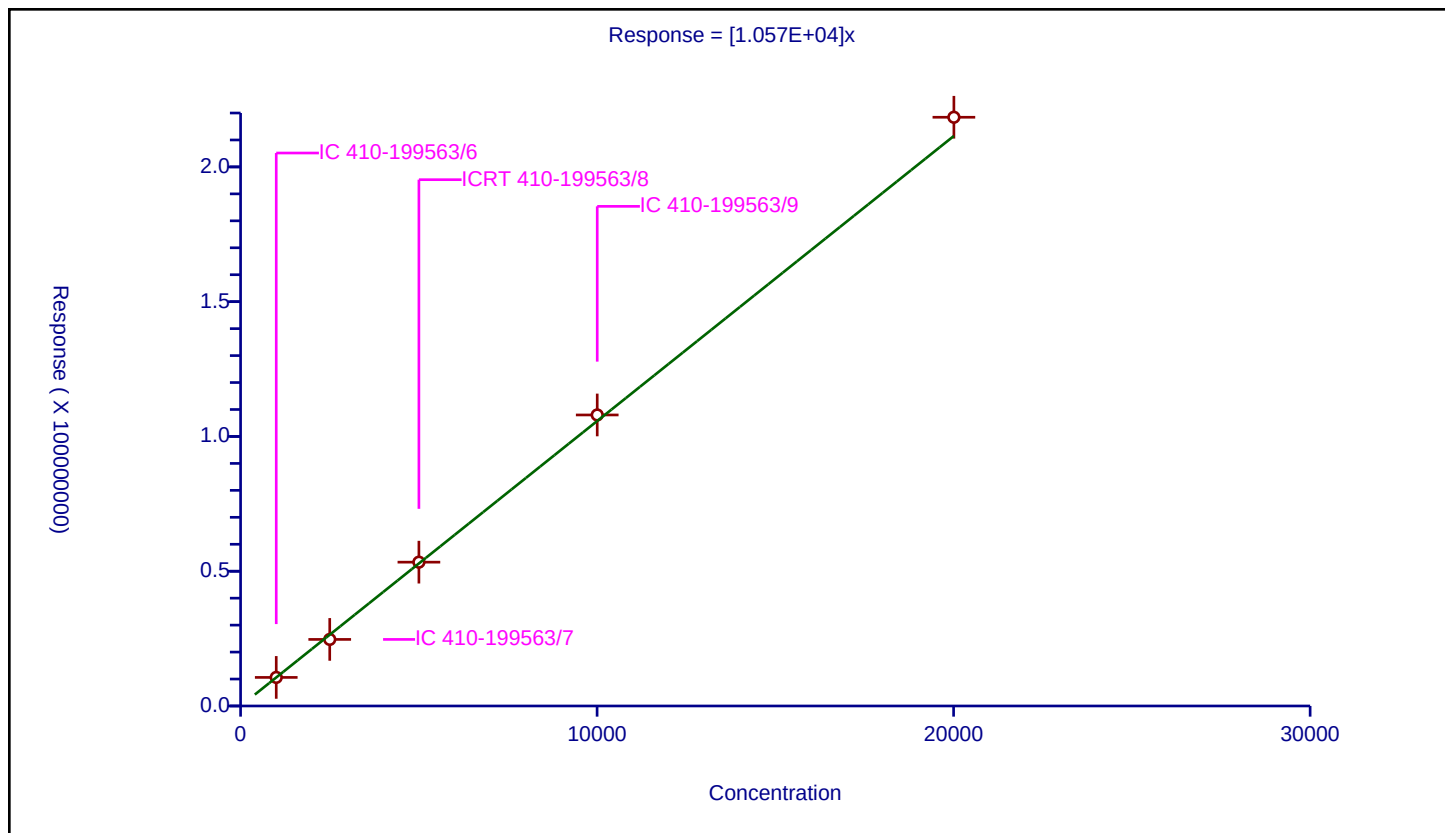
Curve Coefficients

Intercept: 0
 Slope: 1.057E+04

Error Coefficients

Standard Error: 3750000
 Relative Standard Error: 3.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-199563/6	1000.4	10601579.0			10597.340064	Y
2	IC 410-199563/7	2501.0	24704167.0			9877.715714	Y
3	ICRT 410-199563/8	5002.0	53358097.0			10667.352459	Y
4	IC 410-199563/9	10004.0	107977629.0			10793.445522	Y
5	IC 410-199563/10	20008.0	218427790.0			10917.022691	Y



Calibration

/ Acetone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

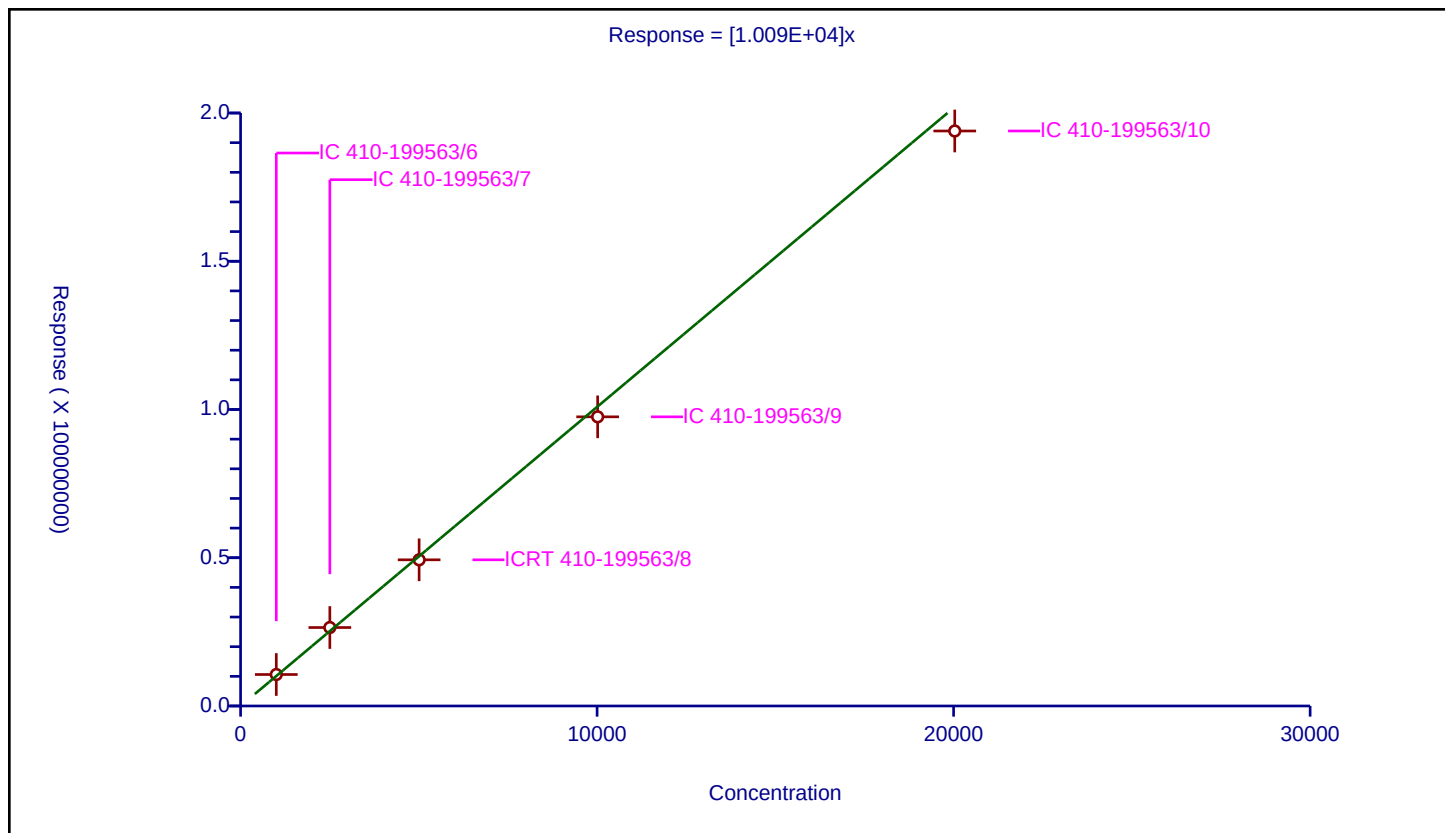
Curve Coefficients

Intercept: 0
 Slope: 1.009E+04

Error Coefficients

Standard Error: 4510000
 Relative Standard Error: 4.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-199563/6	1001.6	10616486.0			10599.526757	Y
2	IC 410-199563/7	2504.0	26464535.0			10568.903754	Y
3	ICRT 410-199563/8	5008.0	49299949.0			9844.239018	Y
4	IC 410-199563/9	10016.0	97532887.0			9737.708367	Y
5	IC 410-199563/10	20032.0	193936814.0			9681.350539	Y



Calibration

/ Isopropyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

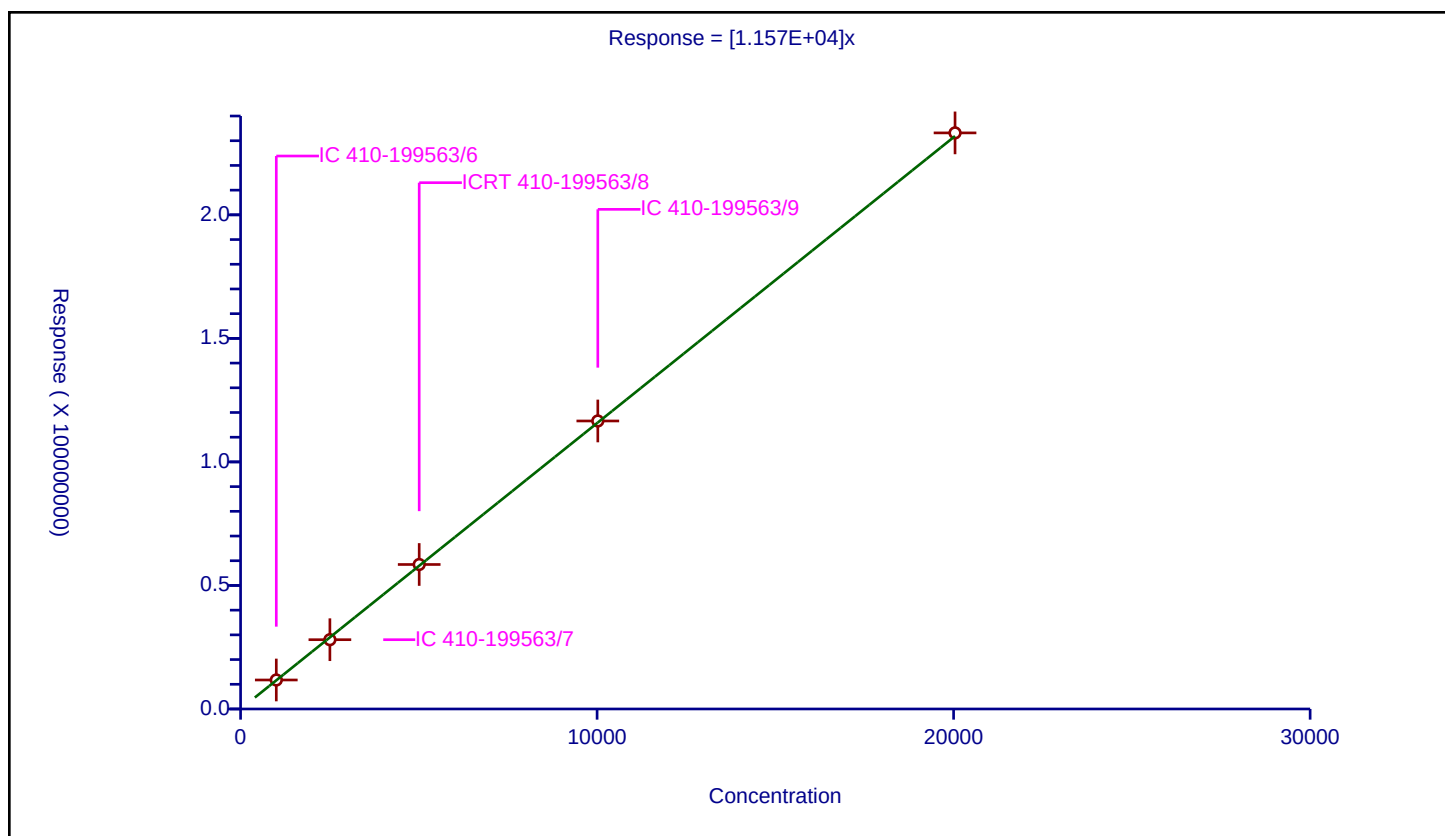
Curve Coefficients

Intercept: 0
 Slope: 1.157E+04

Error Coefficients

Standard Error: 902000
 Relative Standard Error: 1.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-199563/6	1002.0	11736793.0			11713.366267	Y
2	IC 410-199563/7	2505.0	28045192.0			11195.685429	Y
3	ICRT 410-199563/8	5010.0	58484074.0			11673.467864	Y
4	IC 410-199563/9	10020.0	116571064.0			11633.838723	Y
5	IC 410-199563/10	20040.0	233164276.0			11634.943912	Y



Calibration

/ Propanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ESTD
Response Base: AREA
RF Rounding: 0

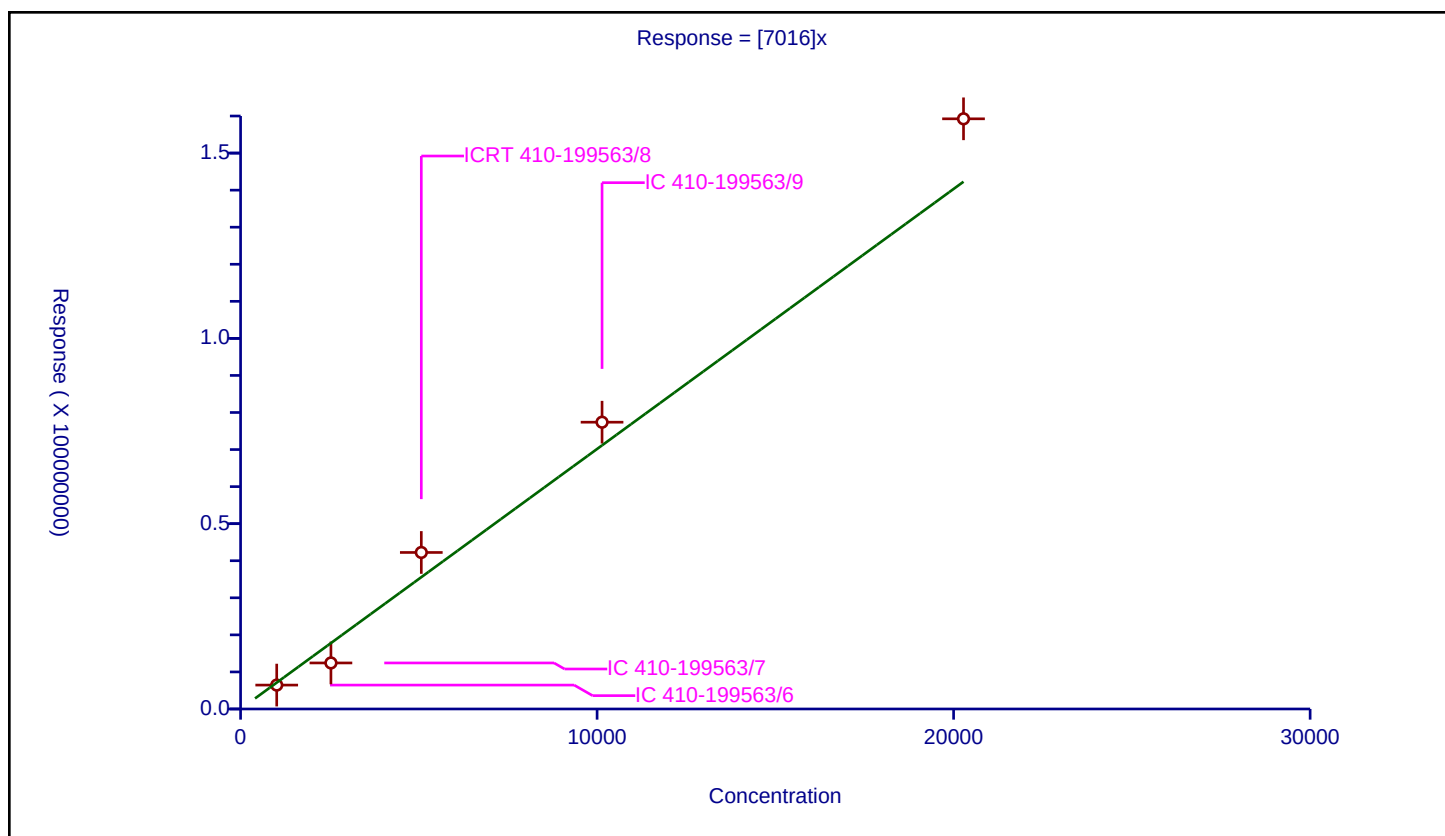
Curve Coefficients

Intercept: 0
Slope: 7016

Error Coefficients

Standard Error: 10000000
Relative Standard Error: 19.8
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.949

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-199563/6	1013.905	6449995.0			6361.537817	Y
2	IC 410-199563/7	2534.7625	12426149.0			4902.293213	Y
3	ICRT 410-199563/8	5069.525	42235416.0			8331.237345	Y
4	IC 410-199563/9	10139.05	77385600.0			7632.431046	Y
5	IC 410-199563/10	20278.1	159241671.0			7852.889127	Y



FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 201167

SDG No.: _____

Instrument ID: 2739 GC Column: RTX200 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2021 13:49 Calibration End Date: 12/03/2021 15:04 Calibration ID: 33640

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-201167/6	272021_12_3.0010.D
Level 2	IC 410-201167/7	272021_12_3.0011.D
Level 3	ICRT 410-201167/8	272021_12_3.0012.D
Level 4	IC 410-201167/9	272021_12_3.0013.D
Level 5	IC 410-201167/10	272021_12_3.0014.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Methanol	0.337	0.337	0.337	0.337	0.337						0.307 - 0.367	0.337
Ethanol	0.437	0.440	0.437	0.433	0.433						0.407 - 0.467	0.436
Isopropanol	0.537	0.537	0.540	0.537	0.533						0.510 - 0.570	0.537
1-Propanol	0.723	0.727	0.727	0.720	0.717						0.697 - 0.757	0.723
Isobutanol	1.103	1.117	1.110	1.107	1.100						1.080 - 1.140	1.107
1-Butanol	1.377	1.383	1.383	1.377	1.373						1.353 - 1.413	1.379
Acetone	0.957	0.960	0.960	0.957	0.950						0.930 - 0.990	0.957

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 201167

SDG No.: _____

Instrument ID: 2739 GC Column: RTX200 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2021 13:49 Calibration End Date: 12/03/2021 15:04 Calibration ID: 33640

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-201167/6	272021_12_3.0010.D
Level 2	IC 410-201167/7	272021_12_3.0011.D
Level 3	ICRT 410-201167/8	272021_12_3.0012.D
Level 4	IC 410-201167/9	272021_12_3.0013.D
Level 5	IC 410-201167/10	272021_12_3.0014.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Methanol	2252.3 3071.4	2383.3	2161.4	2597.3	Ave		2493.1426 5				14.5		20.0			
Ethanol	4546.3 4333.8	3042.5	2950.5	3590.1	Ave		3692.6536 5				19.7		20.0			
Isopropanol	3754.5 4594.2	3087.6	3335.5	3955.4	Ave		3745.4466 8				15.6		20.0			
1-Propanol	12381 5979.6	8212.5	6793.1	6306.0	Lin	6413137.5 6	5659.8402 6							1.0000		0.9900
Isobutanol	8531.6 6396.8	5627.8	5752.6	6063.2	Ave		6474.3895 7				18.3		20.0			
1-Butanol	4341.8 6134.3	4764.4	5240.3	5973.1	Ave		5290.7854 9				14.5		20.0			
Acetone	3468.9 3600.7	3008.9	2652.5	3152.0	Ave		3176.6209 4				11.9		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 201167

SDG No.: _____

Instrument ID: 2739 GC Column: RTX200 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2021 13:49 Calibration End Date: 12/03/2021 15:04 Calibration ID: 33640

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-201167/6	272021_12_3.0010.D
Level 2	IC 410-201167/7	272021_12_3.0011.D
Level 3	ICRT 410-201167/8	272021_12_3.0012.D
Level 4	IC 410-201167/9	272021_12_3.0013.D
Level 5	IC 410-201167/10	272021_12_3.0014.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Methanol	Ave	2258560	5975000	10837498	26045836	61599481	1003	2507	5014	10028	20056
Ethanol	Ave	4548101	7609375	14758334	35915626	86711463	1000	2501	5002	10004	20008
Isopropanol	Ave	3761980	7734373	16710936	39633336	92068757	1002	2505	5010	10020	20040
1-Propanol	Lin	12553651	20816669	34438016	63936461	121254694	1014	2535	5070	10139	20278
Isobutanol	Ave	8777601	14474997	29592190	62380210	131623446	1029	2572	5144	10288	20577
1-Butanol	Ave	4488541	12313540	27087499	61750526	126833861	1034	2585	5169	10338	20676
Acetone	Ave	3474480	7534377	13283855	31570832	72128653	1002	2504	5008	10016	20032

Curve Type Legend

Ave = Average
Lin = Linear

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 201167

SDG No.: _____

Instrument ID: 2739 GC Column: RTX200 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2021 13:49 Calibration End Date: 12/03/2021 15:04 Calibration ID: 33640

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-201167/6	272021_12_3.0010.D
Level 2	IC 410-201167/7	272021_12_3.0011.D
Level 3	ICRT 410-201167/8	272021_12_3.0012.D
Level 4	IC 410-201167/9	272021_12_3.0013.D
Level 5	IC 410-201167/10	272021_12_3.0014.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	
1-Propanol	7.0	0.4	-2.3	0.2	0.1		50	30	30	30	30	

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0010.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 03-Dec-2021 13:49:00 ALS Bottle#: 0 Worklist Smp#: 6
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045468-006
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:41:31 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 06:45:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.337	0.337	0.000	2258560	1002.8	905.9	M
2	0.720	0.723	-0.003	7302087	1002.8	979.2	
RPD = 7.77							
2 Ethanol							Ma
1	0.437	0.437	0.000	4548101	1000.4	1231.7	M
2	1.643	1.640	0.003	10780213	1000.4	985.5	M
RPD = 22.20							
3 Isopropyl alcohol							M
1	0.537	0.540	-0.003	3761980	1002.0	1004.4	
2	2.900	2.900	0.000	11760412	1002.0	988.4	M
RPD = 1.60							
4 Propanol							M
1	0.723	0.727	-0.004	12553651	1013.9	1084.9	
2	3.470	3.463	0.007	14584027	1013.9	1027.0	M
RPD = 5.49							
\$ 5 Acetone							M
1	0.957	0.960	-0.003	3474480	1001.6	1093.8	
2	2.590	2.587	0.003	10367708	1001.6	1043.2	M
RPD = 4.74							
6 Isobutyl alcohol							
1	1.103	1.110	-0.007	8777601	1028.8	1355.7	
7 n-Butanol							M
1	1.377	1.383	-0.007	4488541	1033.8	848.4	M

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

EPH_LLME1_00009

Amount Added: 1.00

Units: mL

Report Date: 04-Dec-2021 07:41:31

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0010.D

Injection Date: 03-Dec-2021 13:49:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 1.000 uL

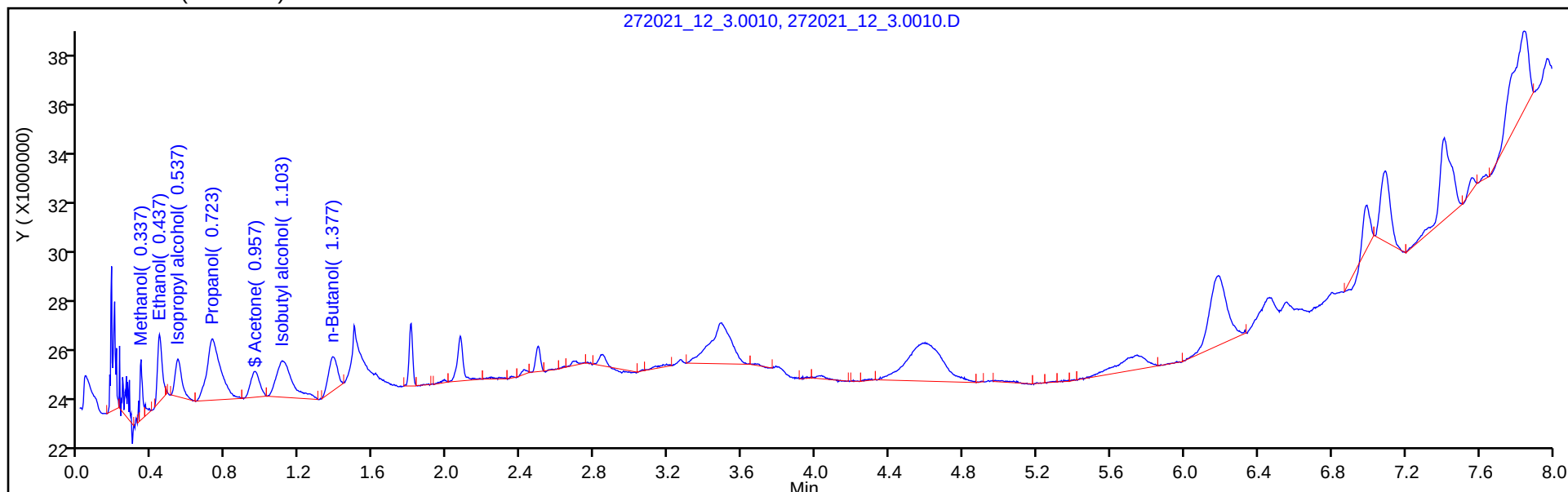
Dil. Factor: 1.0000

ALS Bottle#: 0

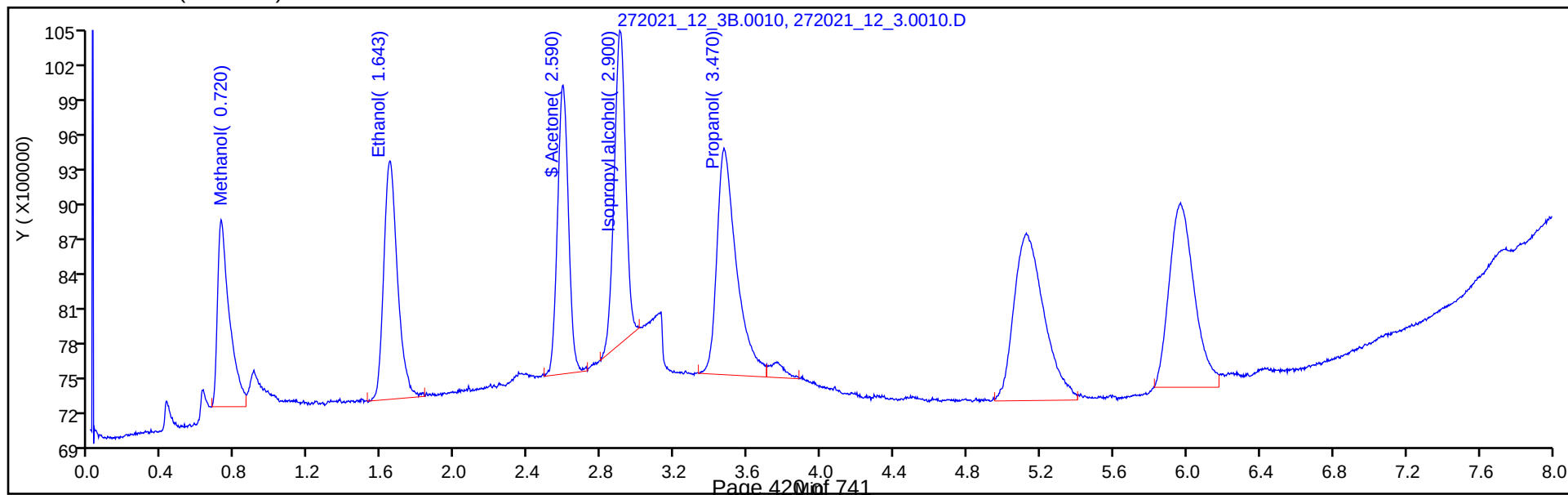
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

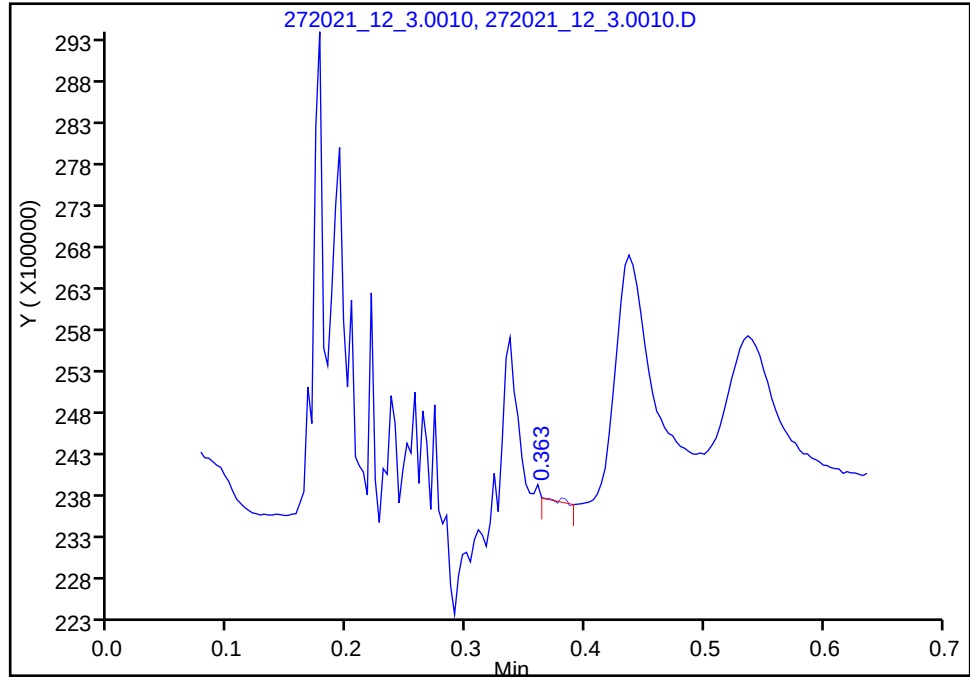
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0010.D
Injection Date: 03-Dec-2021 13:49:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

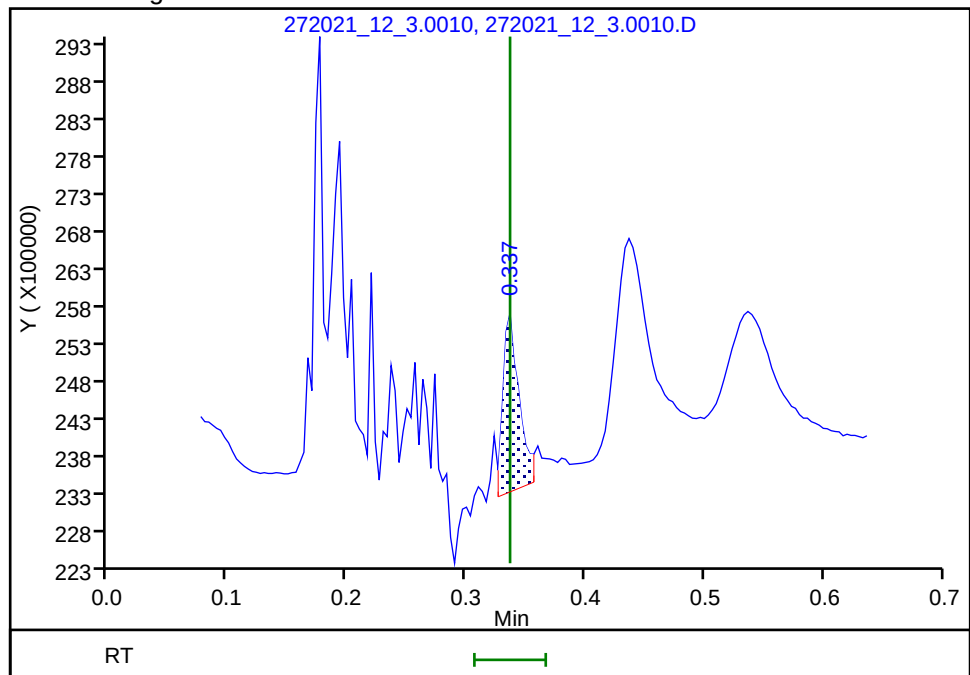
RT: 0.36
Area: 15104
Amount: 1009.2887
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 2258560
Amount: 905.9089
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:56:16

Audit Action: Split an Integrated Peak

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

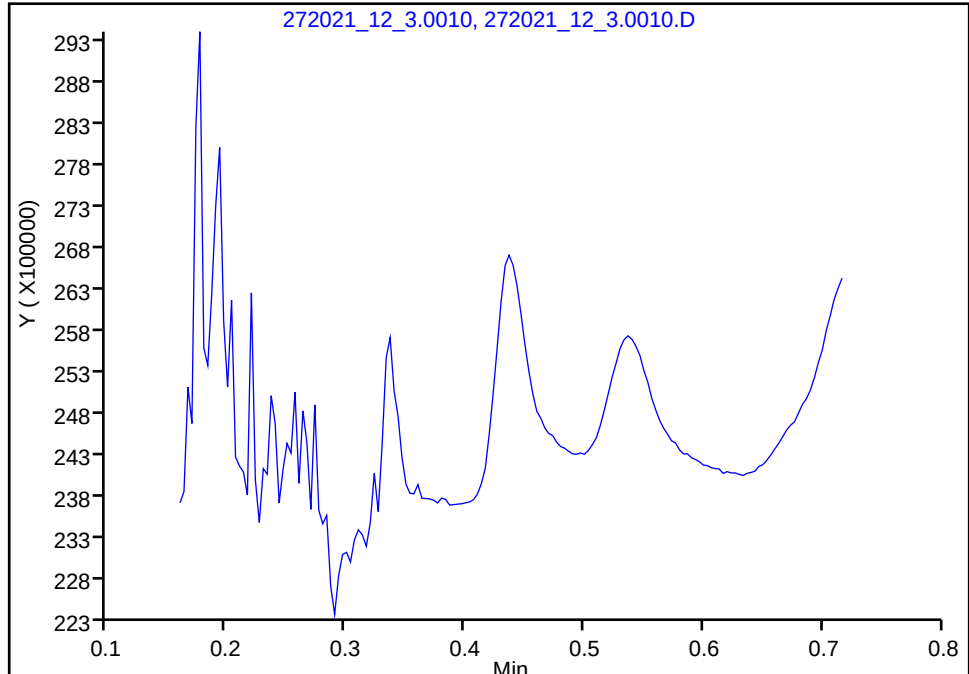
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0010.D
Injection Date: 03-Dec-2021 13:49:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

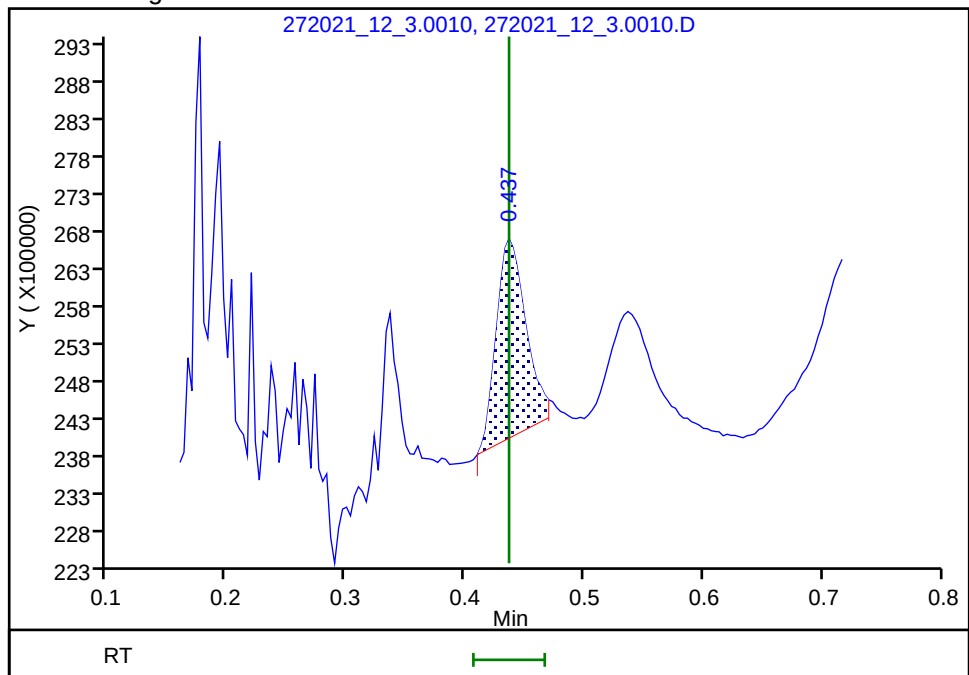
Not Detected
Expected RT: 0.44

Processing Integration Results



RT: 0.44
Area: 4548101
Amount: 1231.6620
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:13:28

Audit Action: Split an Integrated Peak

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

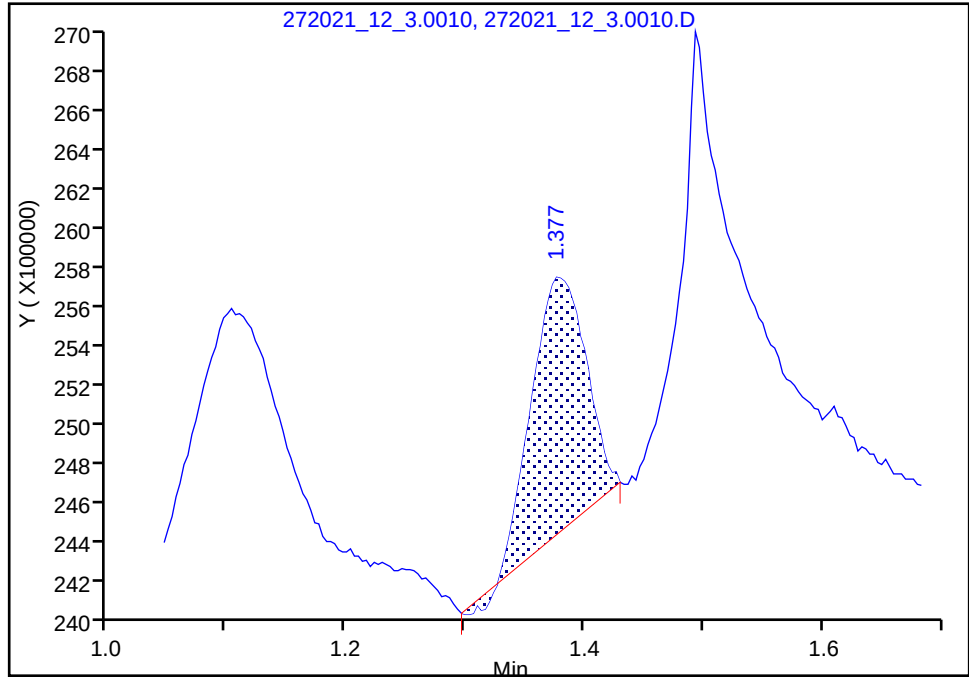
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0010.D
Injection Date: 03-Dec-2021 13:49:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

7 n-Butanol, CAS: 71-36-3

Signal: 1

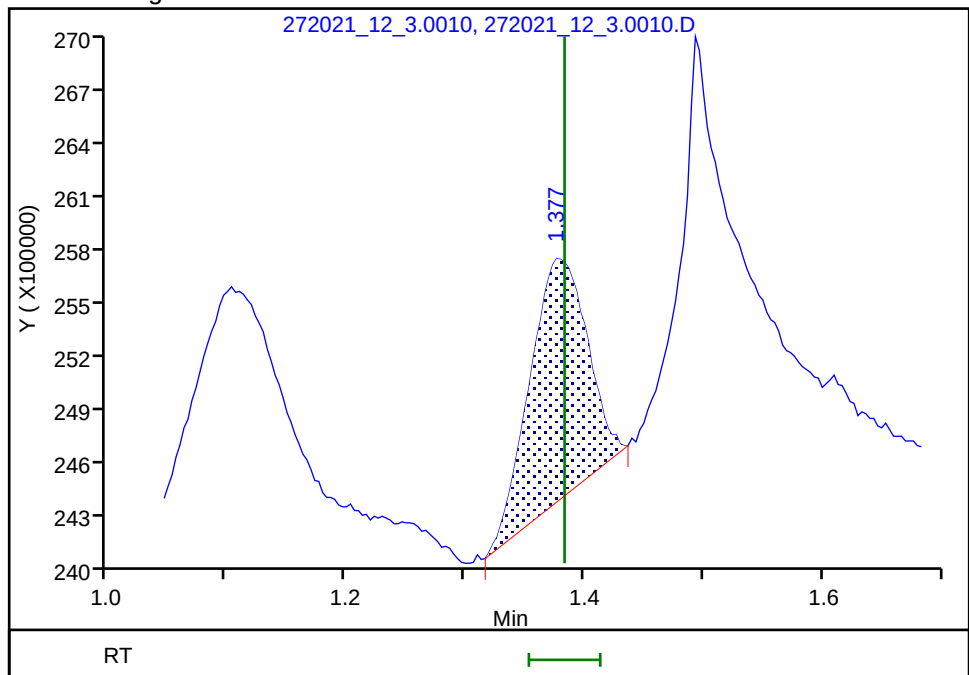
RT: 1.38
Area: 4015622
Amount: 776.4023
Amount Units: ug/l

Processing Integration Results



RT: 1.38
Area: 4488541
Amount: 848.3695
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:48:20

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0011.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 03-Dec-2021 14:08:00 ALS Bottle#: 0 Worklist Smp#: 7
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045468-007
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:41:32 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 06:50:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							M
1	0.337	0.337	0.000	5975000	2507.0	2396.6	M
2	0.720	0.723	-0.003	17951043	2507.0	2407.2	
RPD = 0.44							
2 Ethanol							M
1	0.440	0.437	0.003	7609375	2501.0	2060.7	M
2	1.640	1.640	0.000	26519785	2501.0	2424.4	M
RPD = 16.22							
3 Isopropyl alcohol							M
1	0.537	0.540	-0.003	7734373	2505.0	2065.0	
2	2.900	2.900	0.000	28910419	2505.0	2429.8	M
RPD = 16.23							
4 Propanol							M
1	0.727	0.727	0.000	20816669	2534.8	2544.9	
2	3.467	3.463	0.004	34786458	2534.8	2449.7	M
RPD = 3.81							
\$ 5 Acetone							M
1	0.960	0.960	0.000	7534377	2504.0	2371.8	
2	2.590	2.587	0.003	25904686	2504.0	2606.5	M
RPD = 9.43							
6 Isobutyl alcohol							M
1	1.117	1.110	0.007	14474997	2572.1	2235.7	M
7 n-Butanol							M
1	1.383	1.383	0.000	12313540	2584.5	2327.4	M

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME2_00008

Amount Added: 1.00

Units: mL

Report Date: 04-Dec-2021 07:41:32

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0011.D

Injection Date: 03-Dec-2021 14:08:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 7

Client ID:

Purge Vol: 1.000 uL

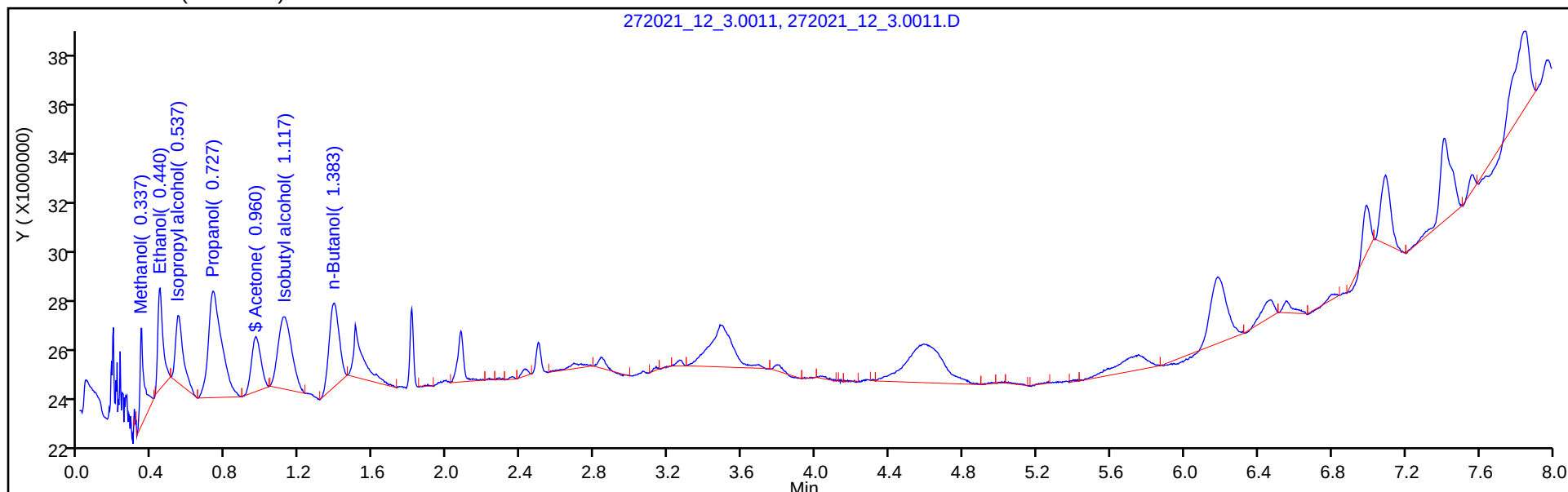
Dil. Factor: 1.0000

ALS Bottle#: 0

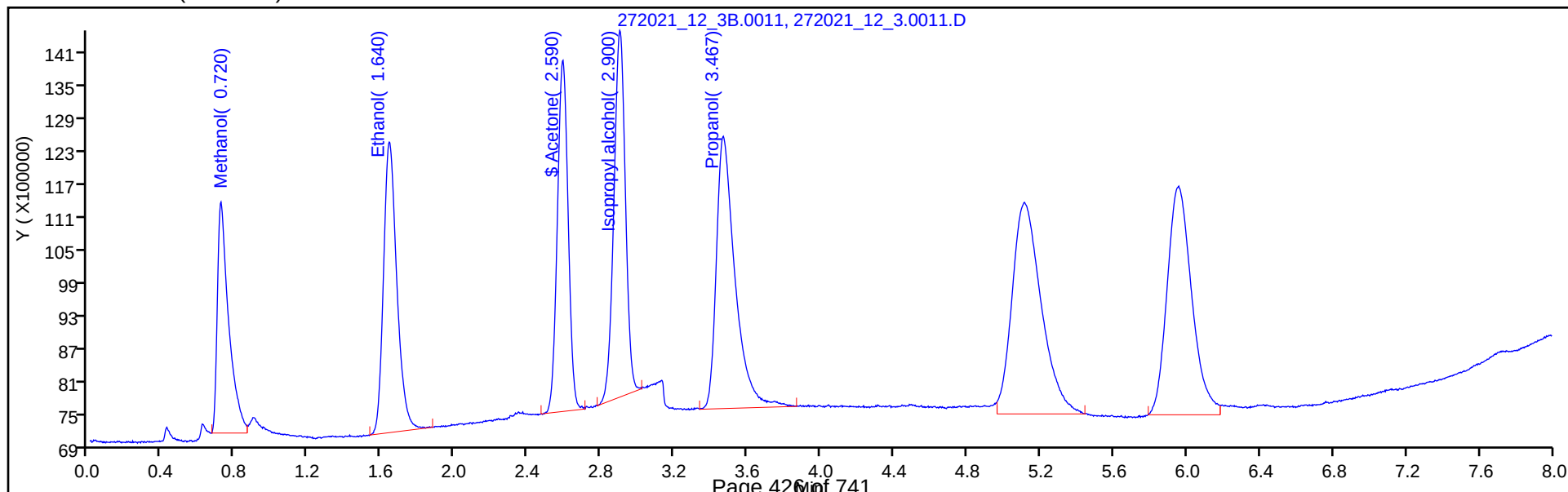
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

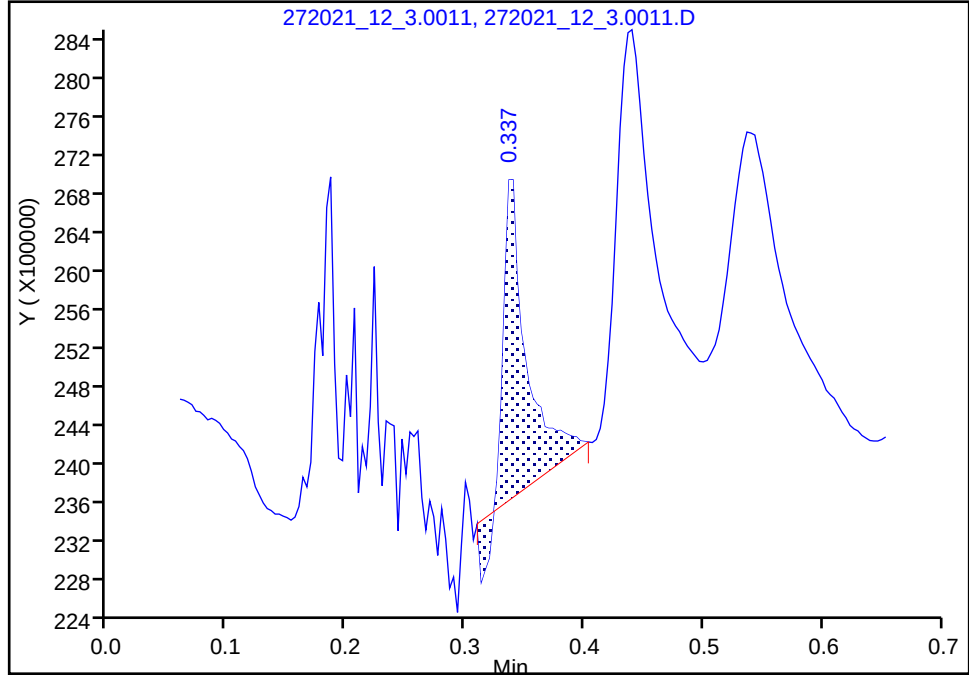
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0011.D
Injection Date: 03-Dec-2021 14:08:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

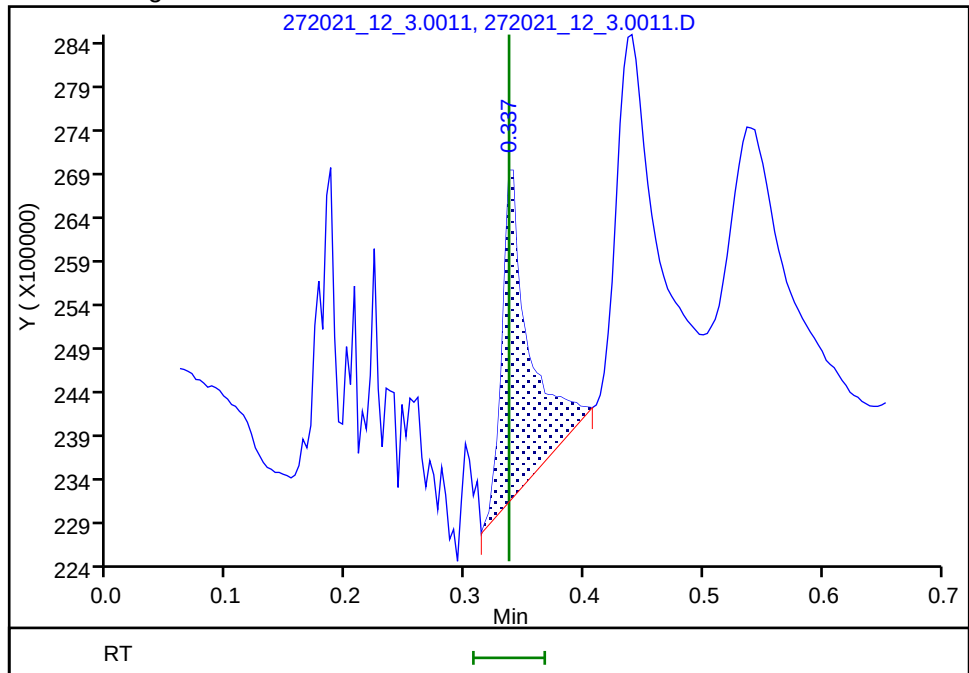
RT: 0.34
Area: 4055210
Amount: 2099.9047
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 5975000
Amount: 2396.5737
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:49:17

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

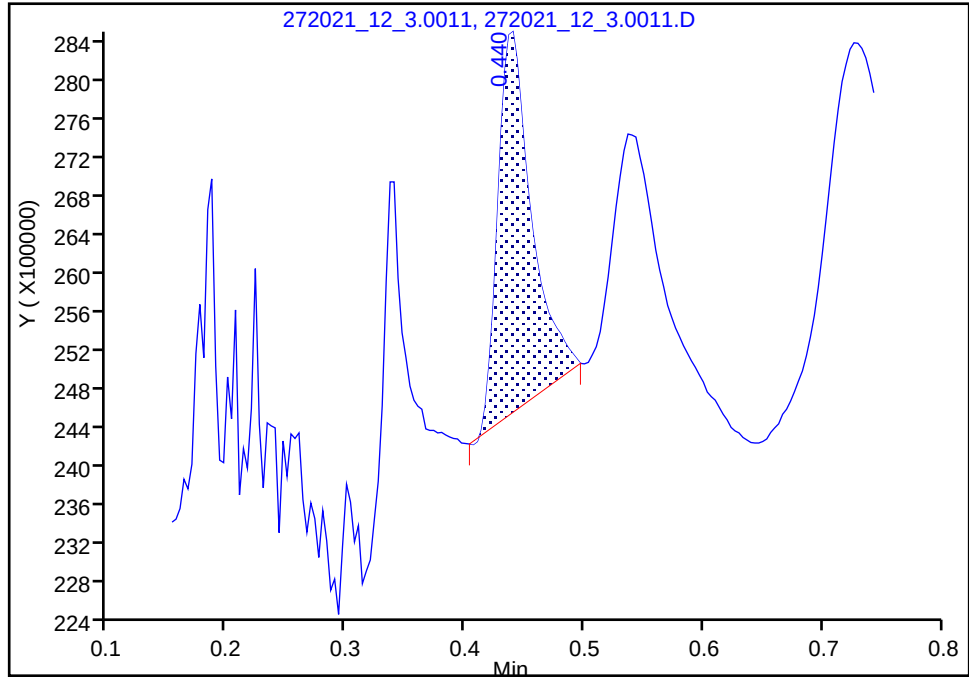
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Injection Date: 03-Dec-2021 14:08:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

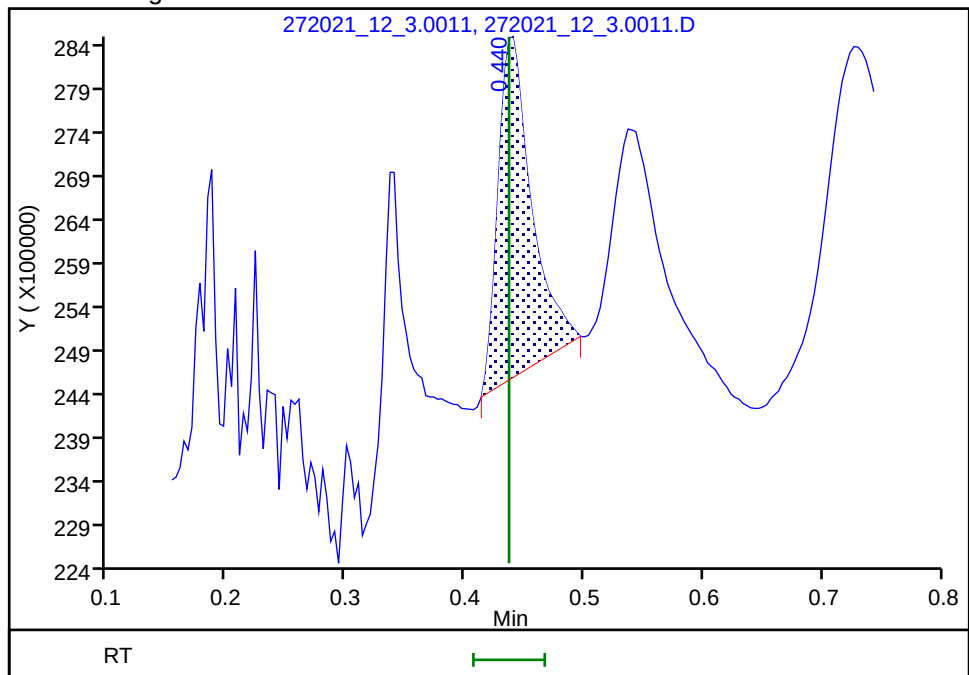
RT: 0.44
Area: 7729167
Amount: 2021.8358
Amount Units: ug/l

Processing Integration Results



RT: 0.44
Area: 7609375
Amount: 2060.6793
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:52:32
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 428 of 741

Eurofins Lancaster Laboratories Env, LLC

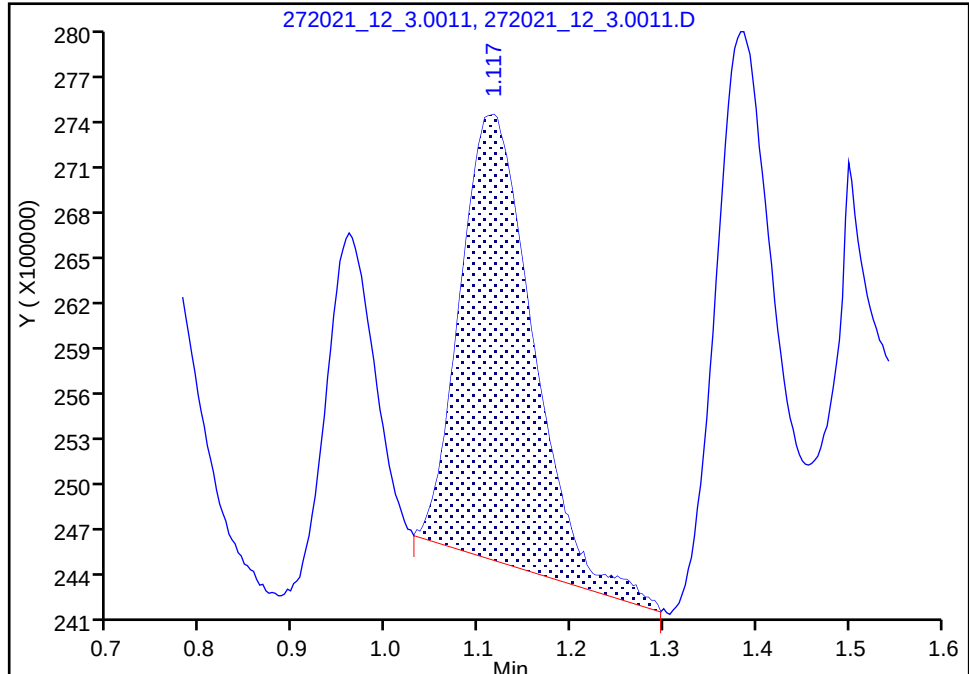
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0011.D
Injection Date: 03-Dec-2021 14:08:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

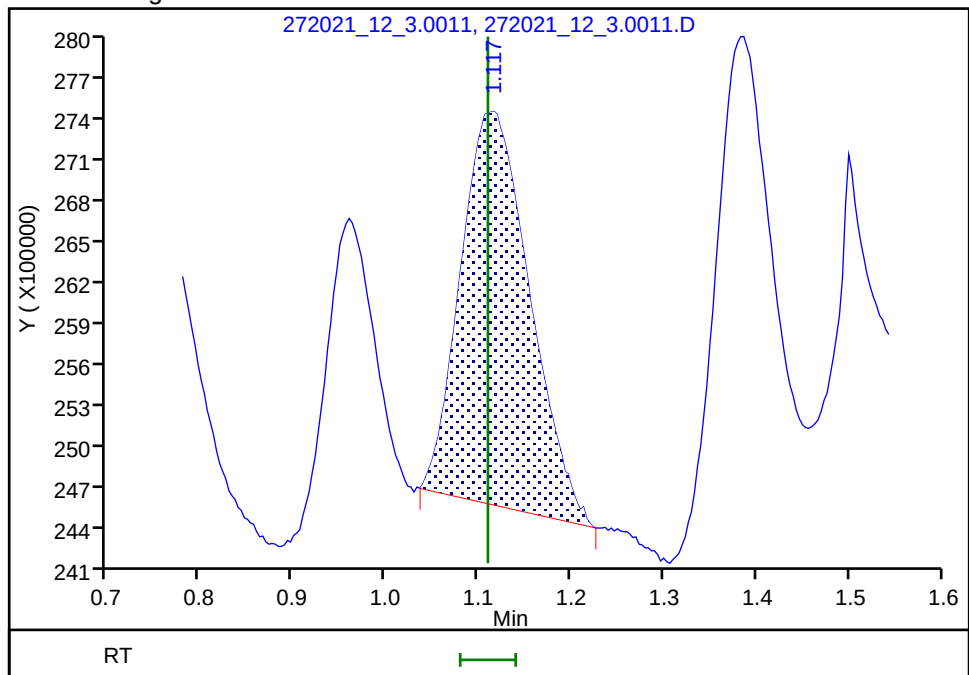
RT: 1.12
Area: 15738540
Amount: 2402.2229
Amount Units: ug/l

Processing Integration Results



RT: 1.12
Area: 14474997
Amount: 2235.7315
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:49:24

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

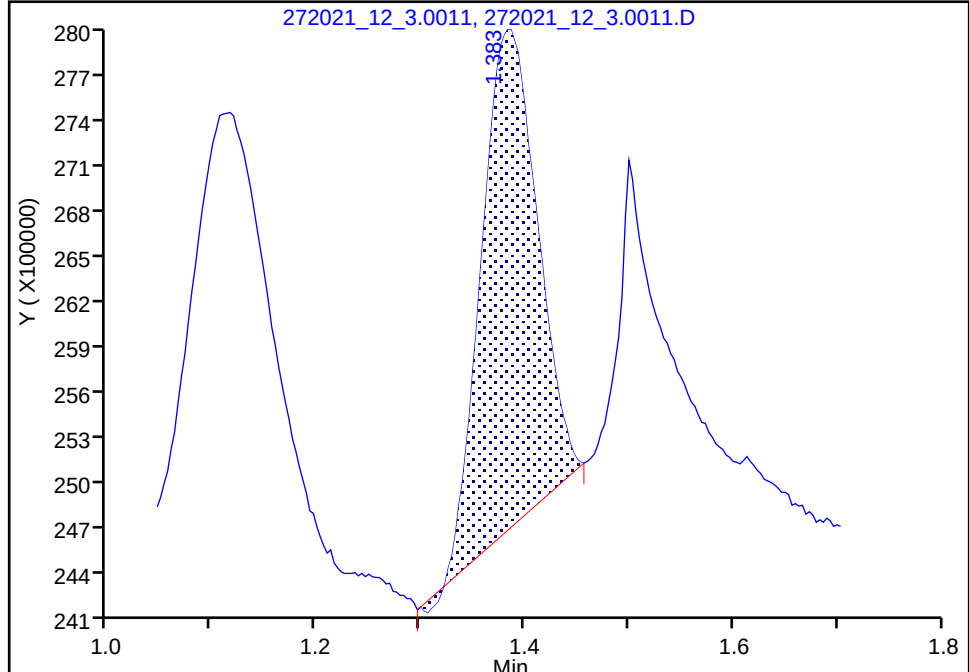
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0011.D
Injection Date: 03-Dec-2021 14:08:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

7 n-Butanol, CAS: 71-36-3

Signal: 1

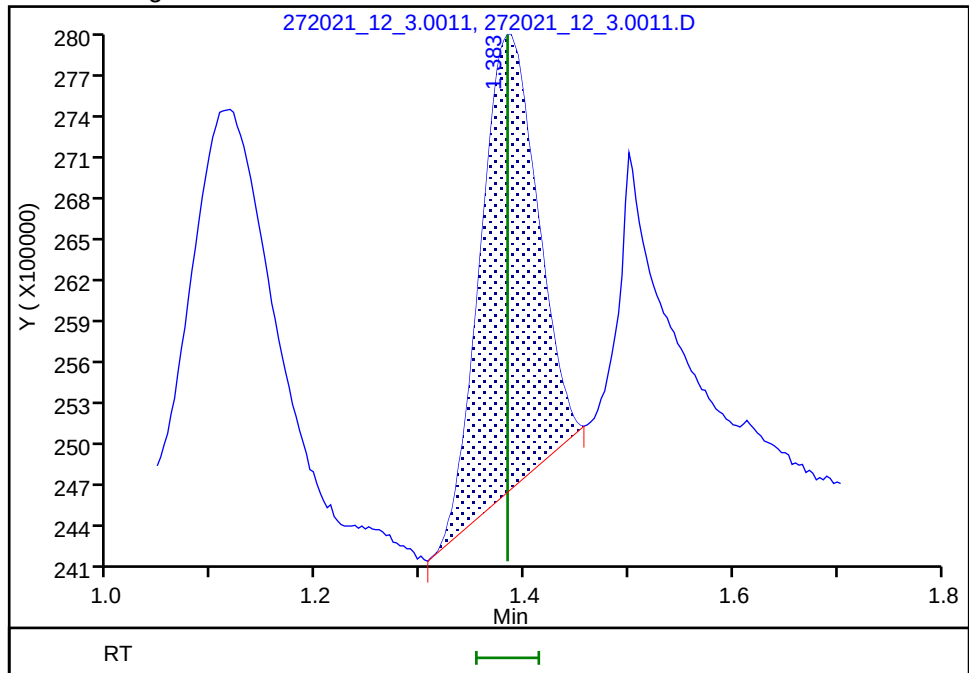
RT: 1.38
Area: 11961978
Amount: 2272.5935
Amount Units: ug/l

Processing Integration Results



RT: 1.38
Area: 12313540
Amount: 2327.3557
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:49:32

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0012.D
 Lims ID: icrt
 Client ID:
 Sample Type: ICRT Calib Level: 3
 Inject. Date: 03-Dec-2021 14:26:00 ALS Bottle#: 0 Worklist Smp#: 8
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: icrt
 Misc. Info.: 410-0045468-008
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:41:33 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 06:38:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.337	0.337	0.000	10837498	5014.0	4346.9	M
2	0.723	0.723	0.000	37568751	5014.0	5037.8	
RPD = 14.72							
2 Ethanol							M
1	0.437	0.437	0.000	14758334	5002.0	3996.7	M
2	1.640	1.640	0.000	55113023	5002.0	5038.5	M
RPD = 23.06							
3 Isopropyl alcohol							M
1	0.540	0.540	0.000	16710936	5010.0	4461.7	M
2	2.900	2.900	0.000	59683856	5010.0	5016.2	M
RPD = 11.70							
4 Propanol							M
1	0.727	0.727	0.000	34438016	5069.5	4951.5	M
2	3.463	3.463	0.000	71821888	5069.5	5057.7	M
RPD = 2.12							
\$ 5 Acetone							M
1	0.960	0.960	0.000	13283855	5008.0	4181.8	M
2	2.587	2.587	0.000	47070833	5008.0	4736.1	M
RPD = 12.43							
6 Isobutyl alcohol							
1	1.110	1.110	0.000	29592190	5144.2	4570.7	
7 n-Butanol							
1	1.383	1.383	0.000	27087499	5169.0	5119.8	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME3_00026

Amount Added: 1.00

Units: mL

Report Date: 04-Dec-2021 07:41:33

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0012.D

Injection Date: 03-Dec-2021 14:26:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: icrt

Worklist Smp#: 8

Client ID:

Purge Vol: 1.000 uL

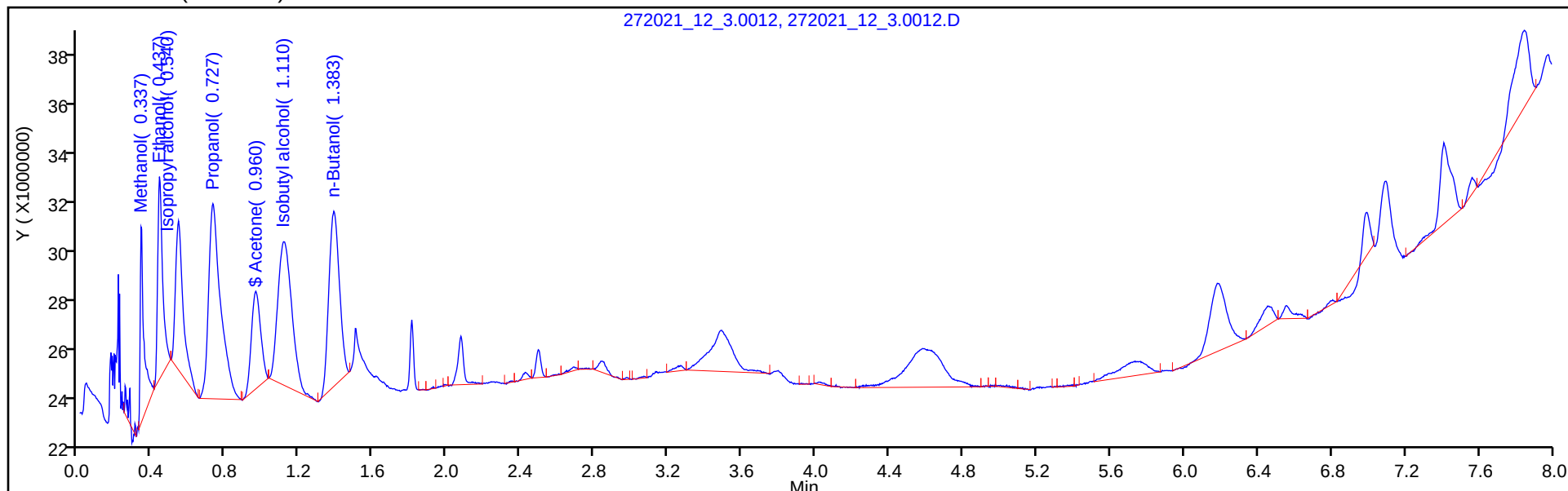
Dil. Factor: 1.0000

ALS Bottle#: 0

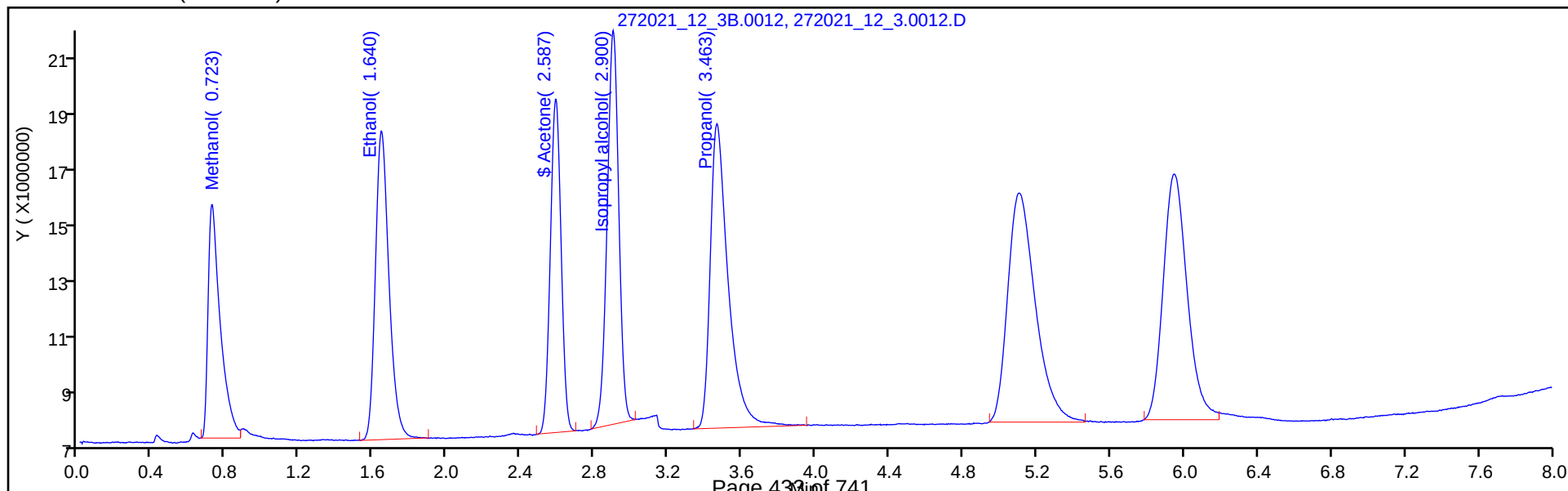
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

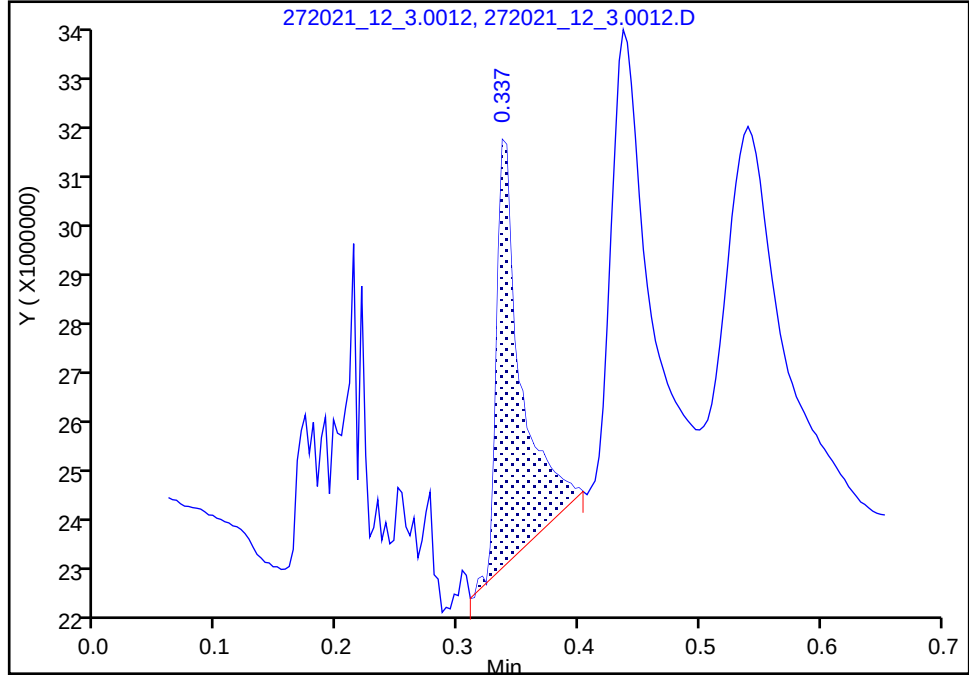
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0012.D
Injection Date: 03-Dec-2021 14:26:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector 0FIDA

1 Methanol, CAS: 67-56-1

Signal: 1

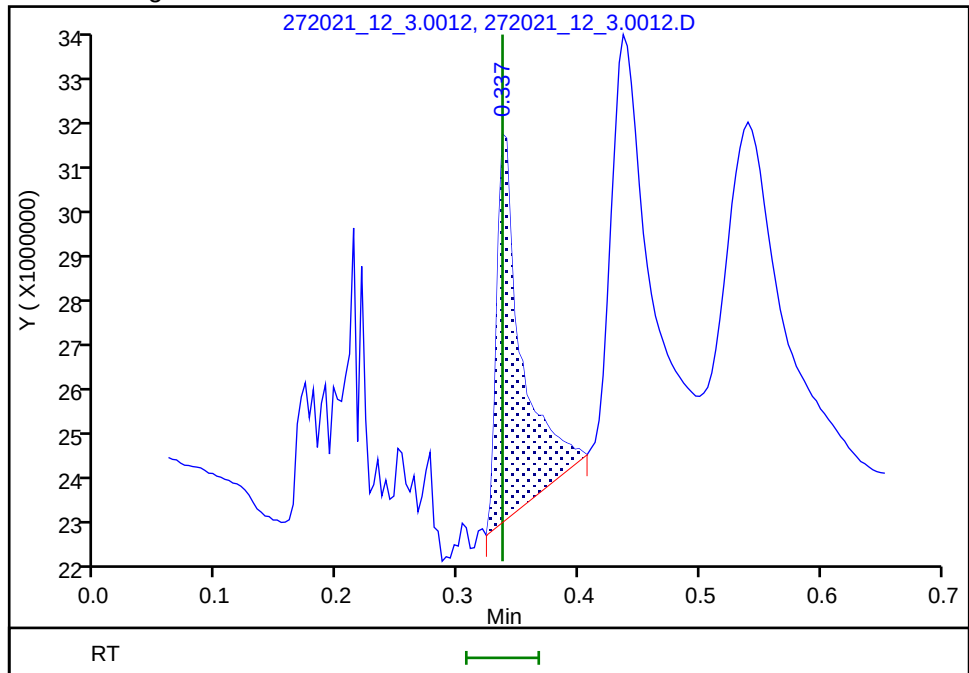
RT: 0.34
Area: 10567189
Amount: 4214.7215
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 10837498
Amount: 4346.9225
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:51:24

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

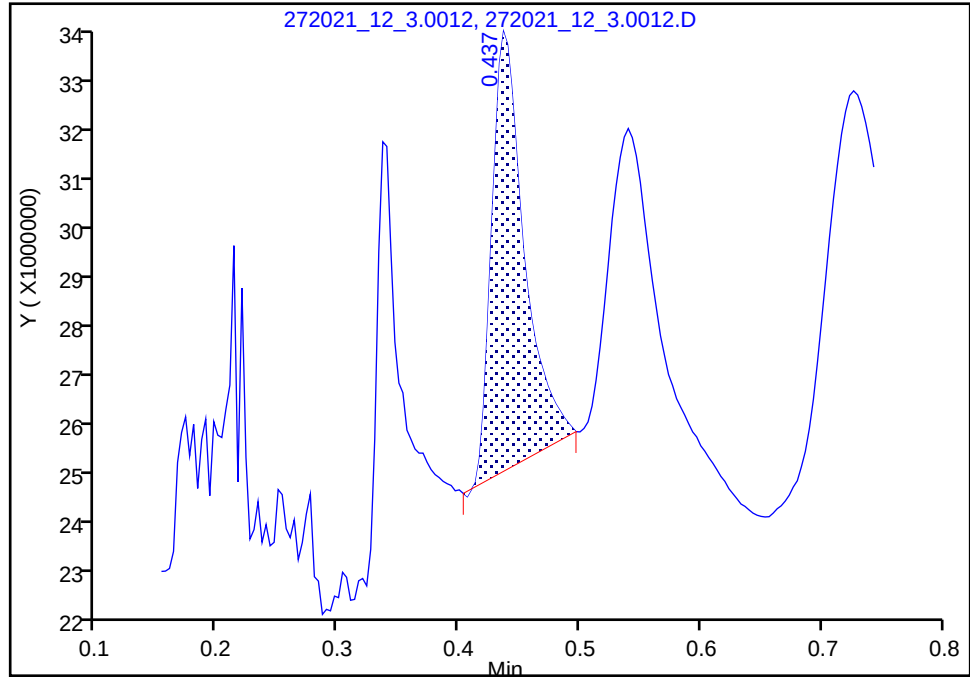
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0012.D
Injection Date: 03-Dec-2021 14:26:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

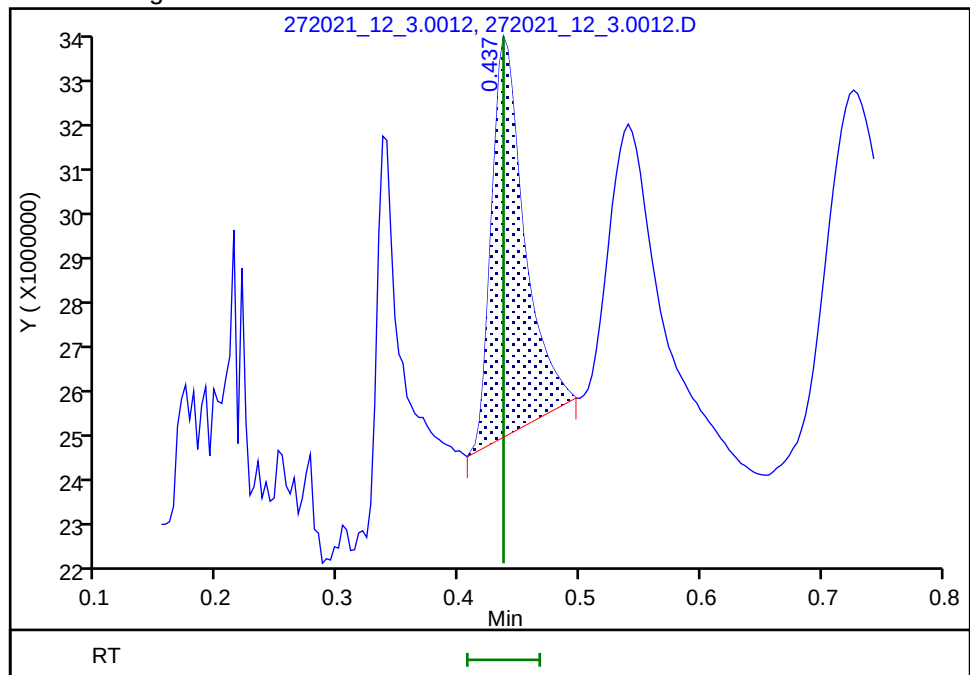
RT: 0.44
Area: 14488544
Amount: 3782.2831
Amount Units: ug/l

Processing Integration Results



RT: 0.44
Area: 14758334
Amount: 3996.6743
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:51:19
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 435 of 741

Eurofins Lancaster Laboratories Env, LLC

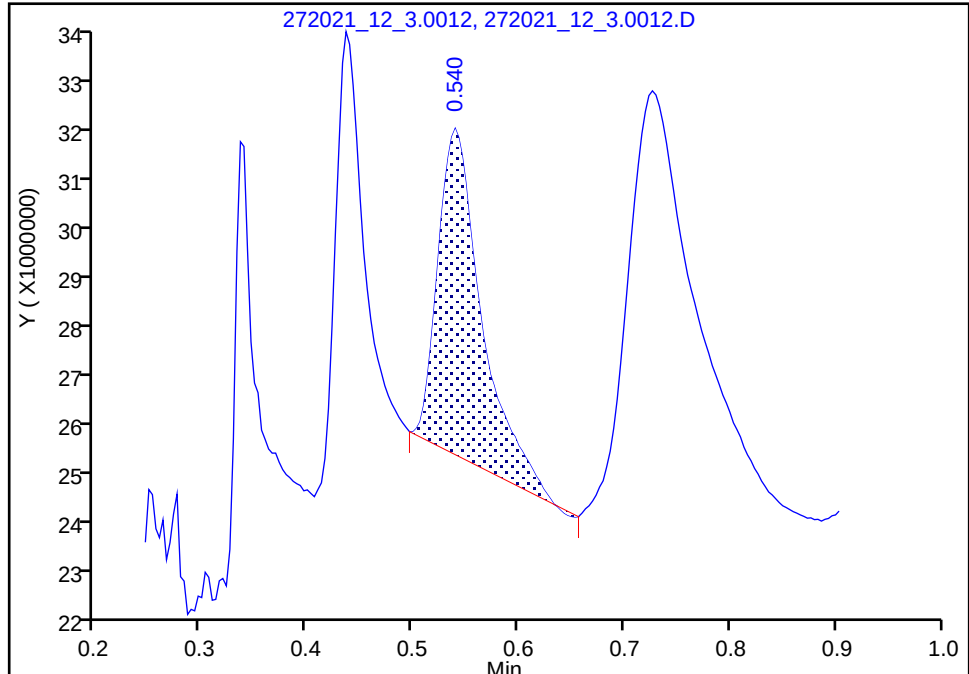
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0012.D
Injection Date: 03-Dec-2021 14:26:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

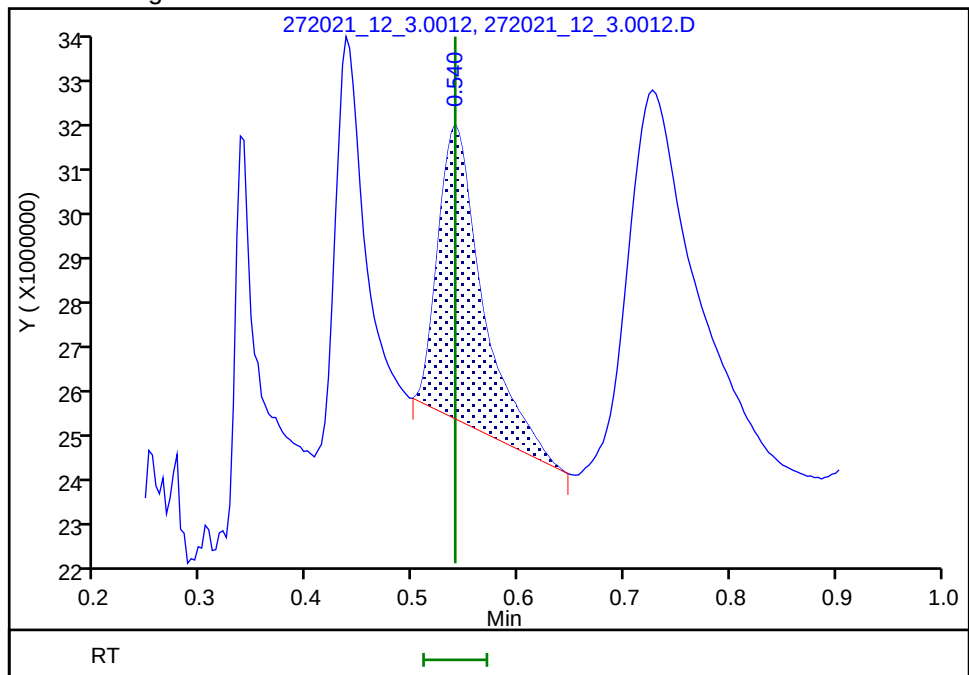
RT: 0.54
Area: 16503648
Amount: 4397.7528
Amount Units: ug/l

Processing Integration Results



RT: 0.54
Area: 16710936
Amount: 4461.6670
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:50:29
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

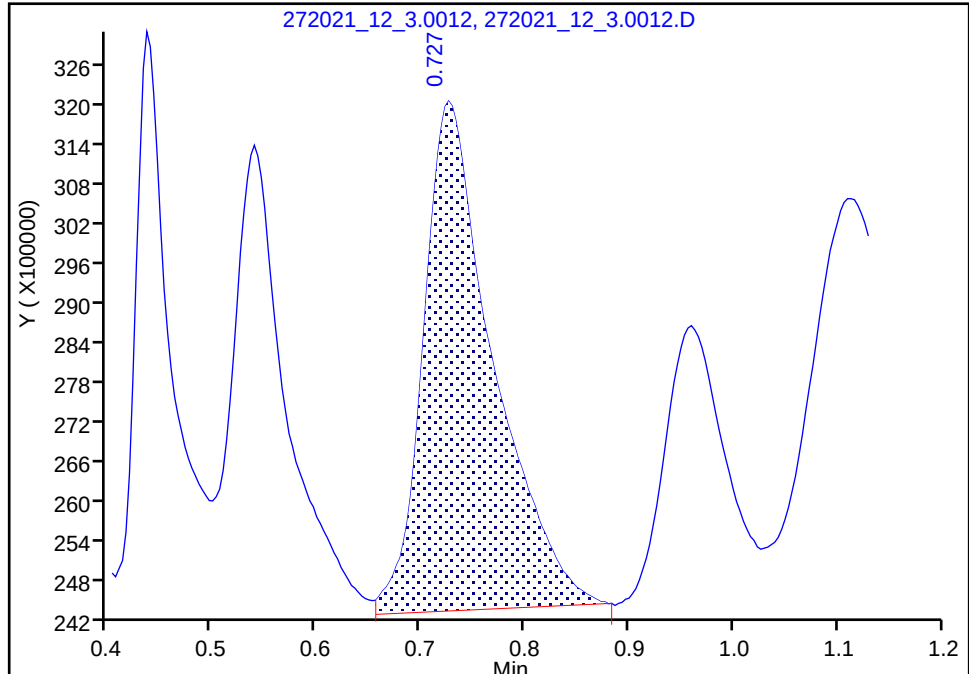
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0012.D
Injection Date: 03-Dec-2021 14:26:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector 0FIDA

4 Propanol, CAS: 71-23-8

Signal: 1

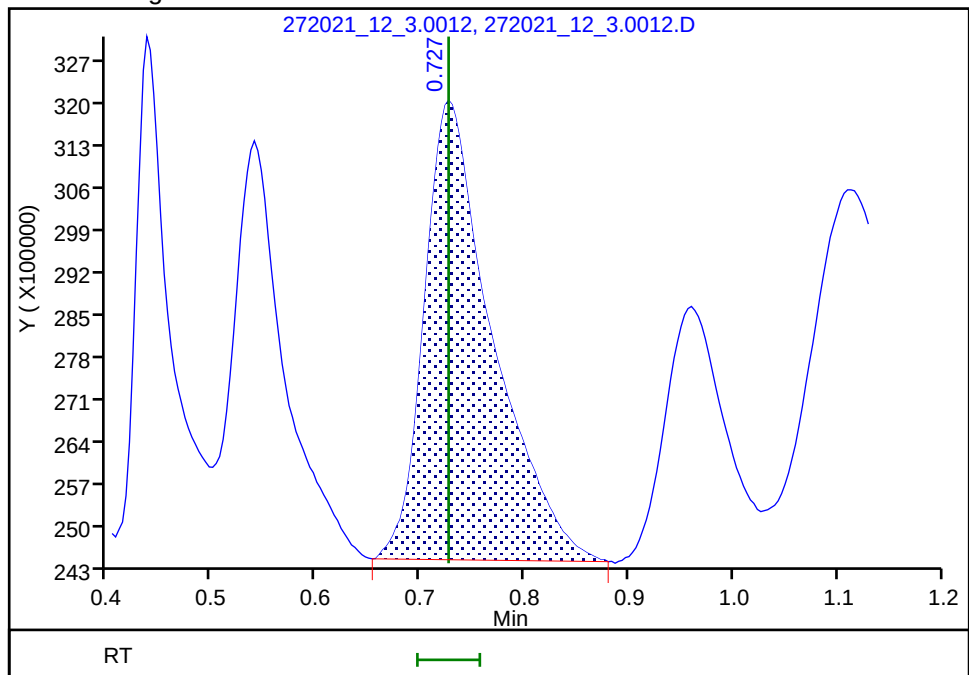
RT: 0.73
Area: 35826761
Amount: 5057.2767
Amount Units: ug/l

Processing Integration Results



RT: 0.73
Area: 34438016
Amount: 4951.5317
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:50:32

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

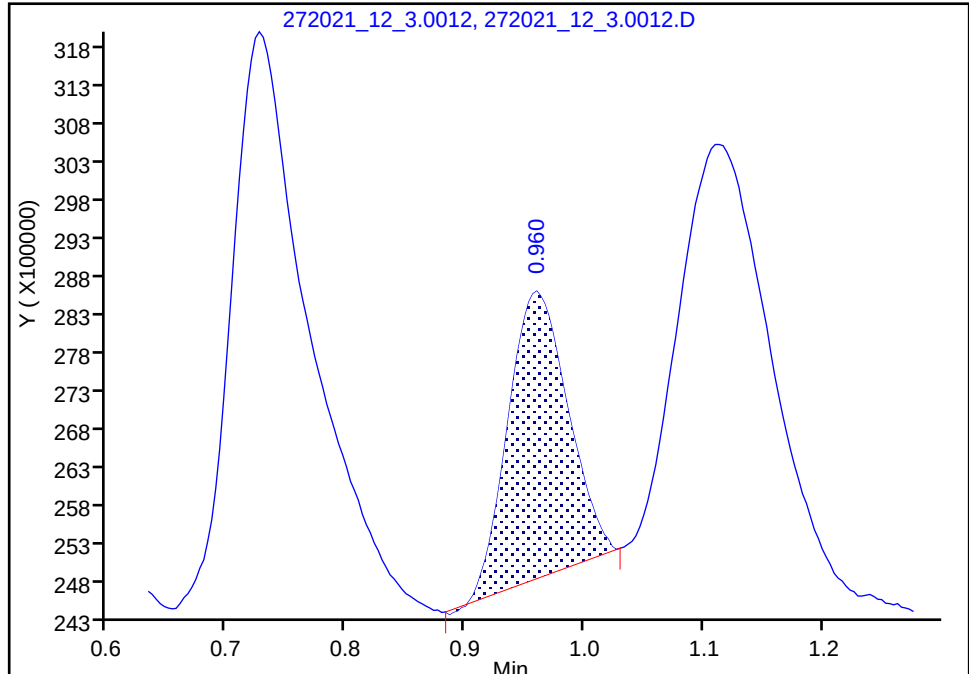
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0012.D
Injection Date: 03-Dec-2021 14:26:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

\$ 5 Acetone, CAS: 67-64-1

Signal: 1

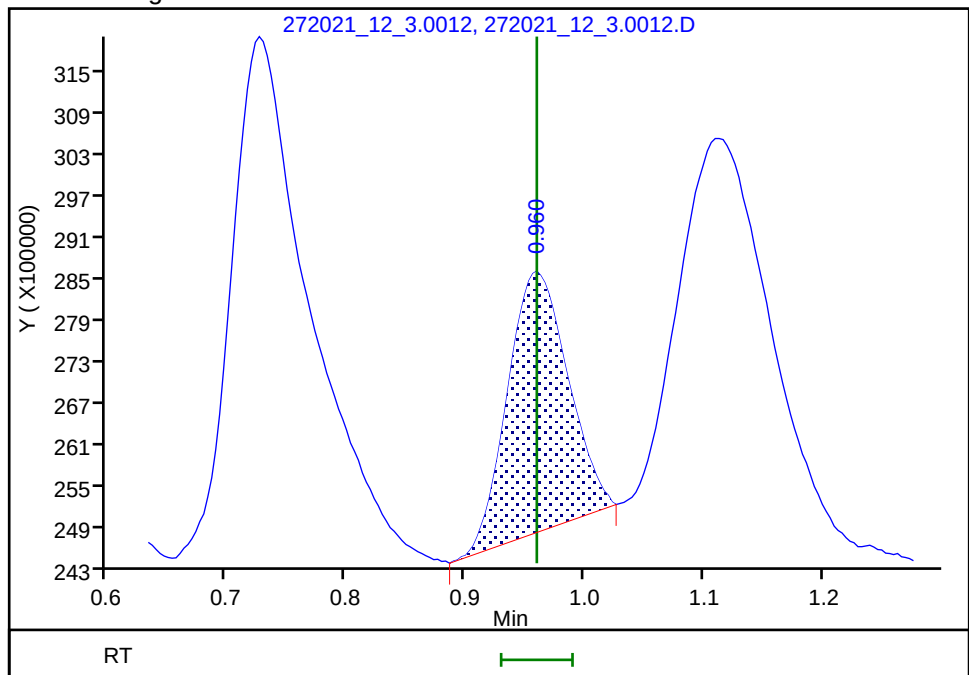
RT: 0.96
Area: 13082293
Amount: 4155.8022
Amount Units: ug/l

Processing Integration Results



RT: 0.96
Area: 13283855
Amount: 4181.7564
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:50:35

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0013.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 03-Dec-2021 14:45:00 ALS Bottle#: 0 Worklist Smp#: 9
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045468-009
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:41:34 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 06:54:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							
1	0.337	0.337	0.000	26045836	10028	10447	M
2	0.717	0.723	-0.006	76316665	10028	10234	
						RPD = 2.06	
2 Ethanol							
1	0.433	0.437	-0.004	35915626	10004	9726.2	M
2	1.637	1.640	-0.003	111838024	10004	10224	M
						RPD = 4.99	
3 Isopropyl alcohol							
1	0.537	0.540	-0.003	39633336	10020	10582	M
2	2.897	2.900	-0.003	121832818	10020	10240	M
						RPD = 3.29	
4 Propanol							
1	0.720	0.727	-0.007	63936461	10139	10163	M
2	3.460	3.463	-0.003	145737509	10139	10263	M
						RPD = 0.97	
\$ 5 Acetone							
1	0.957	0.960	-0.003	31570832	10016	9938.5	M
2	2.587	2.587	0.000	96992709	10016	9759.1	M
						RPD = 1.82	
6 Isobutyl alcohol							
1	1.107	1.110	-0.003	62380210	10288	9634.9	M
7 n-Butanol							
1	1.377	1.383	-0.007	61750526	10338	11671	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME4_00008

Amount Added: 1.00

Units: mL

Report Date: 04-Dec-2021 07:41:34

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0013.D

Injection Date: 03-Dec-2021 14:45:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: ic

Worklist Smp#:

9

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

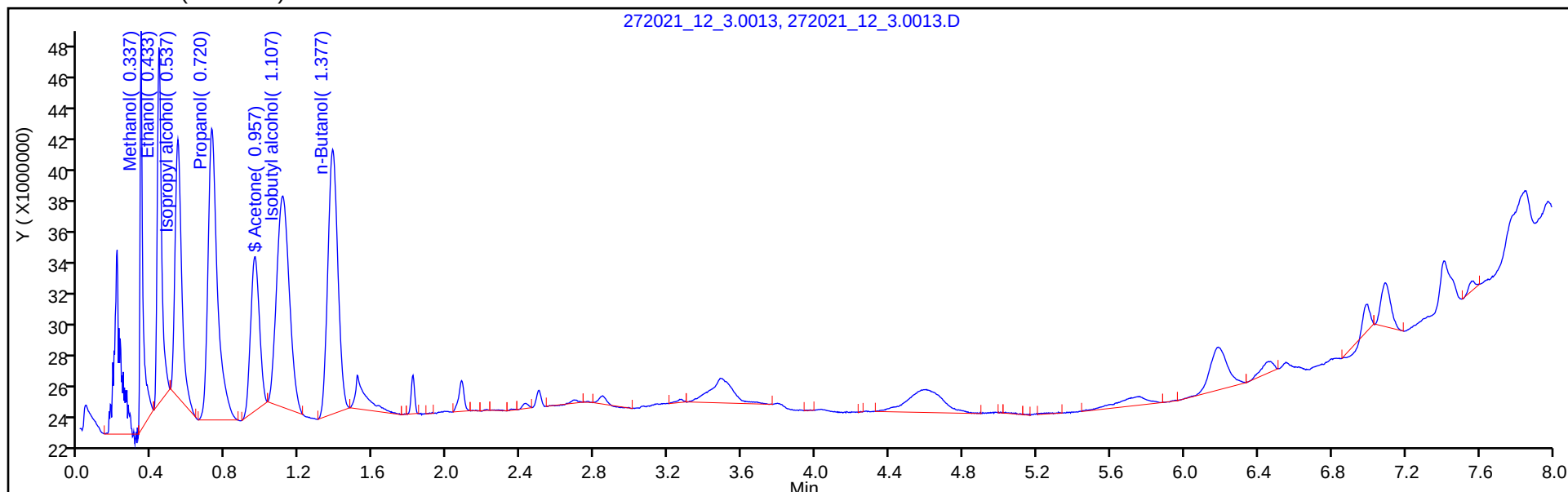
ALS Bottle#:

0

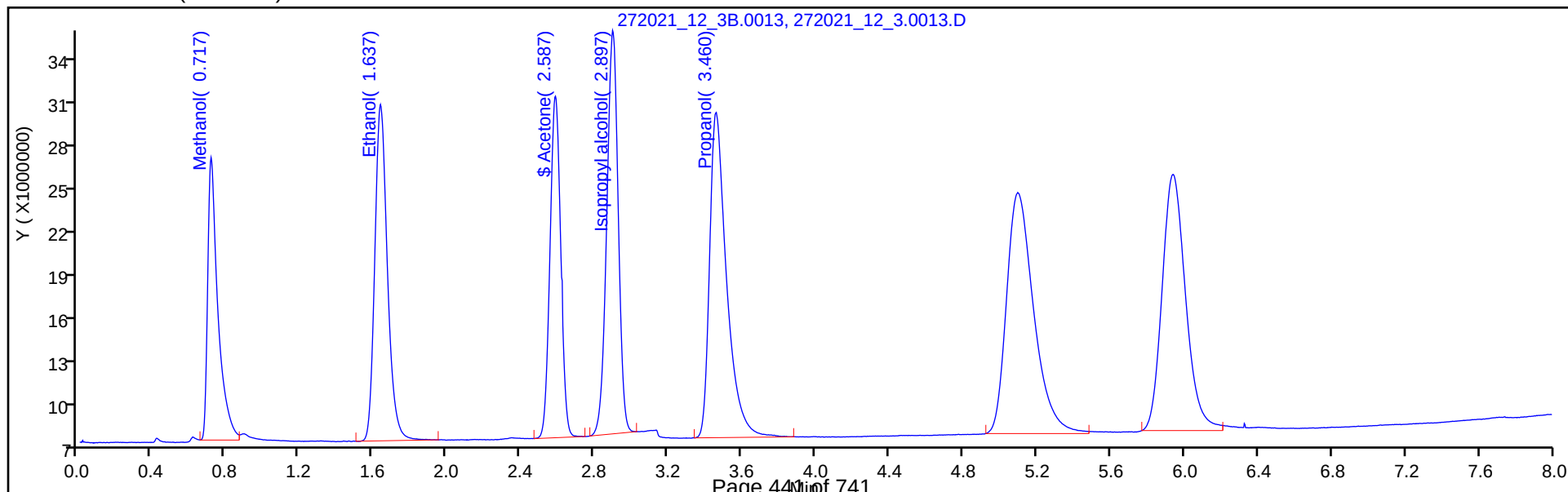
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0013.D

Injection Date: 03-Dec-2021 14:45:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 9

Purge Vol: 1.000 uL

Dil. Factor:

1.0000

Method: 8015_DAI_2739

Limit Group:

GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

Detector

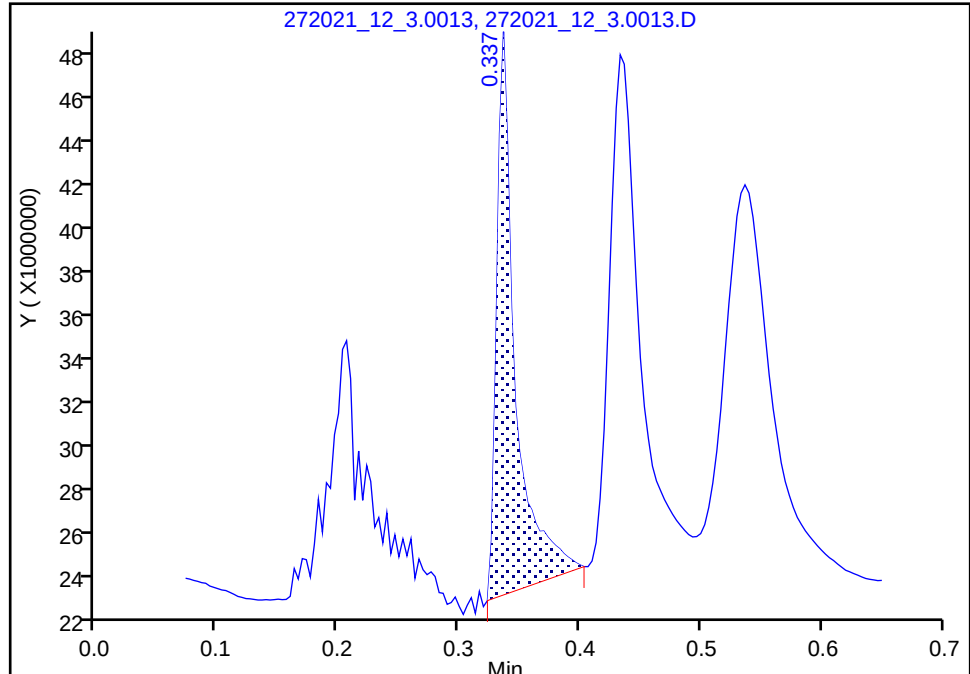
OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

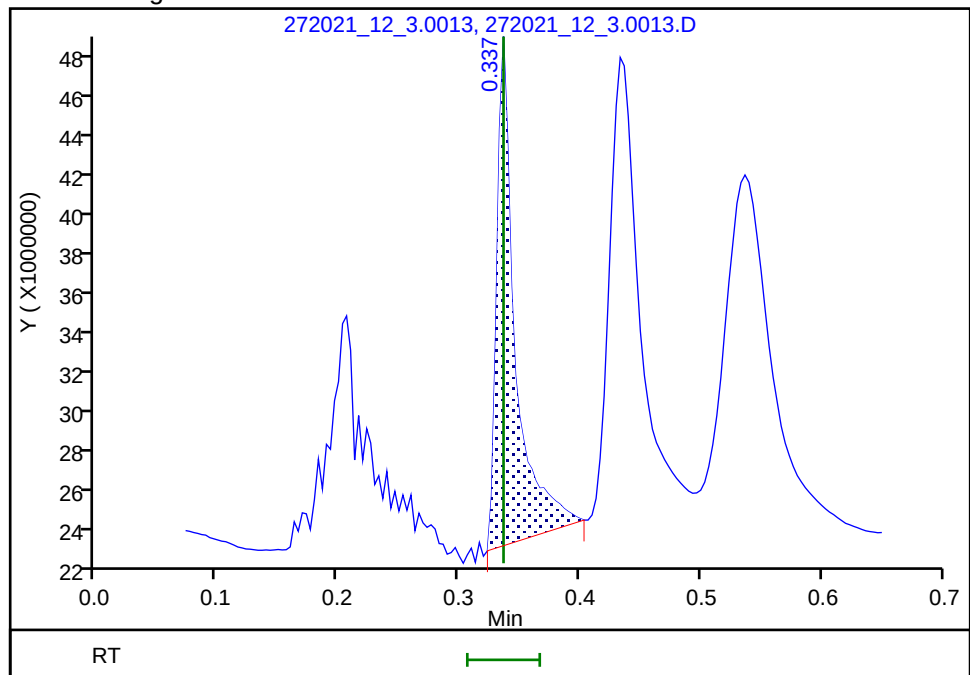
RT: 0.34
Area: 26045836
Amount: 10344
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 26045836
Amount: 10447
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:53:35

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

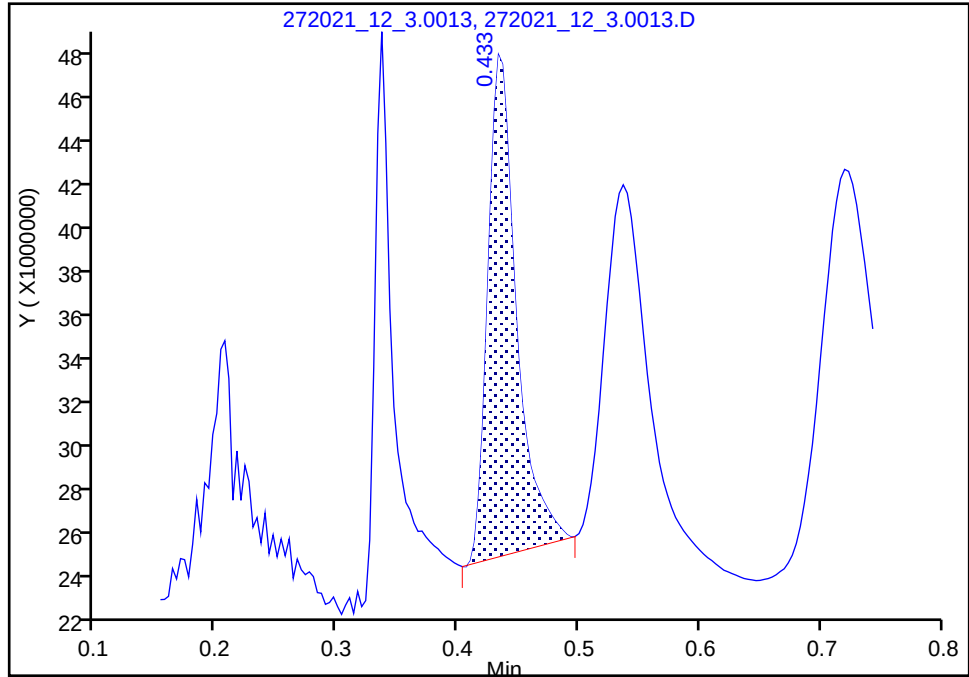
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0013.D
Injection Date: 03-Dec-2021 14:45:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

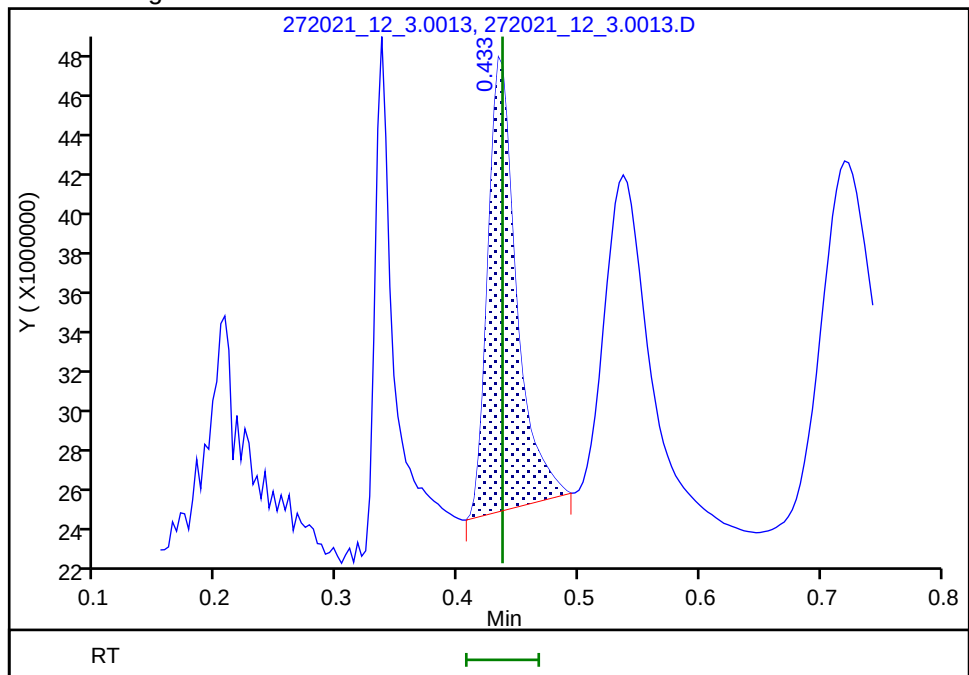
RT: 0.43
Area: 35873439
Amount: 9539.9729
Amount Units: ug/l

Processing Integration Results



RT: 0.43
Area: 35915626
Amount: 9726.2374
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:53:38

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0013.D

Injection Date: 03-Dec-2021 14:45:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 9

Purge Vol: 1.000 uL

Dil. Factor:

1.0000

Method: 8015_DAI_2739

Limit Group:

GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

Detector

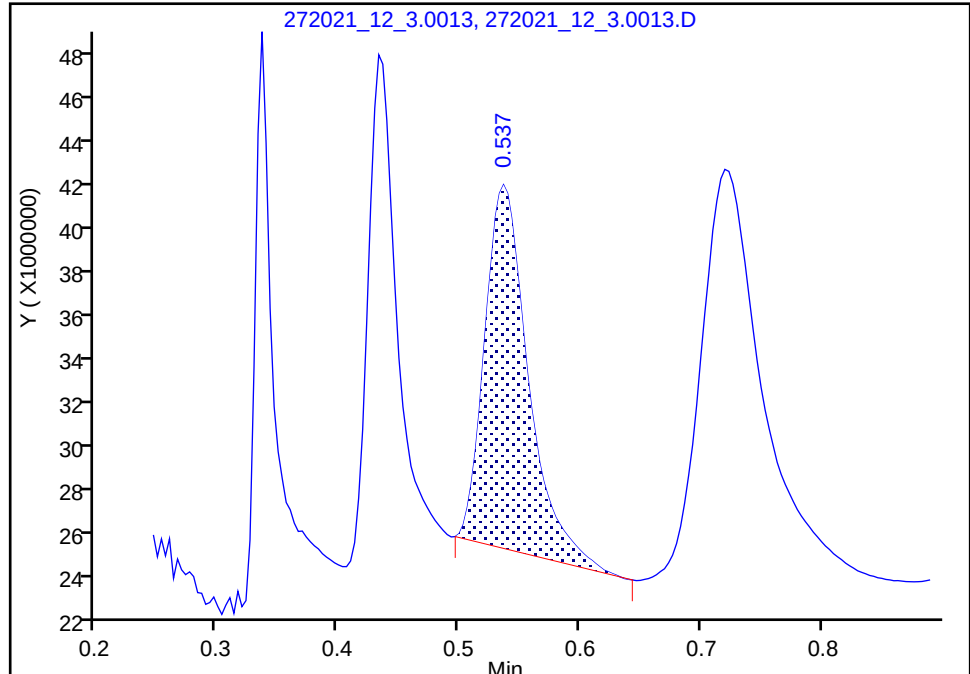
0FIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

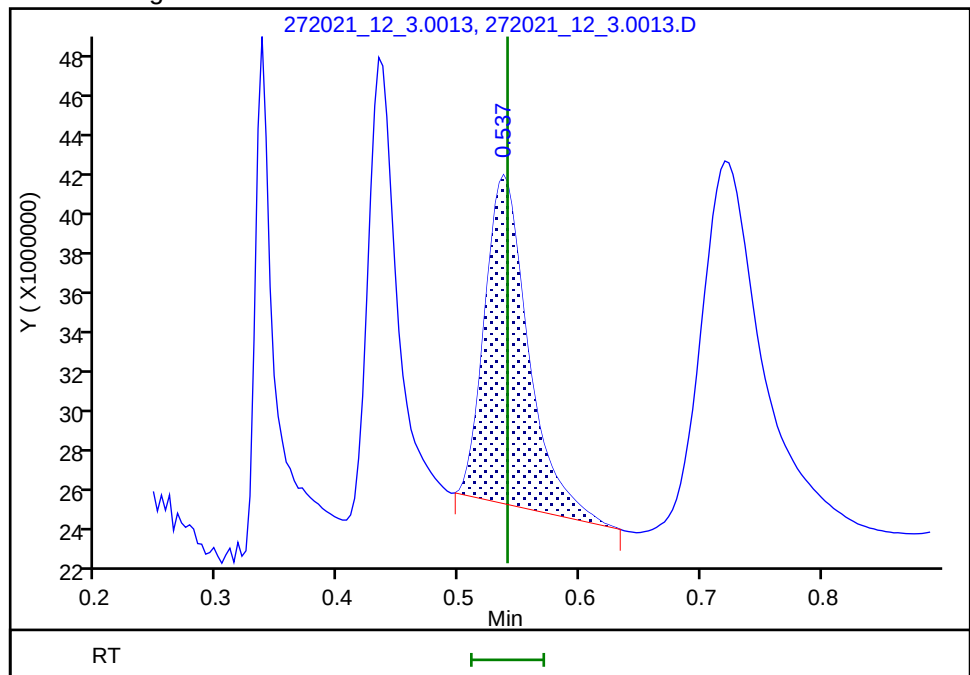
RT: 0.54
Area: 39632293
Amount: 10538
Amount Units: ug/l

Processing Integration Results



RT: 0.54
Area: 39633336
Amount: 10582
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:53:41

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0013.D

Injection Date: 03-Dec-2021 14:45:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 9

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

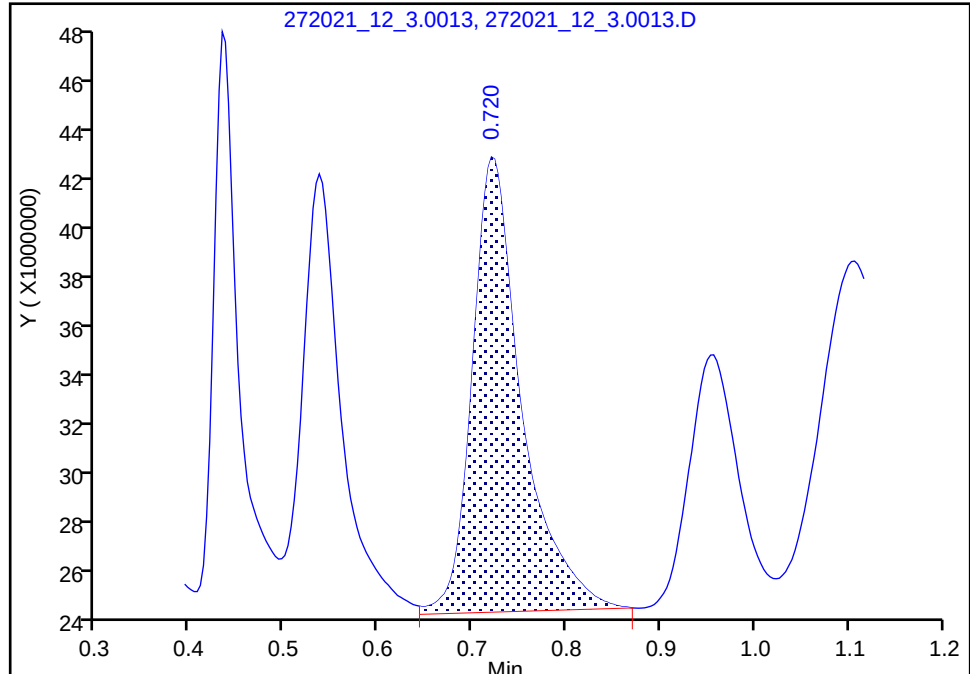
Detector: OFIDA

4 Propanol, CAS: 71-23-8

Signal: 1

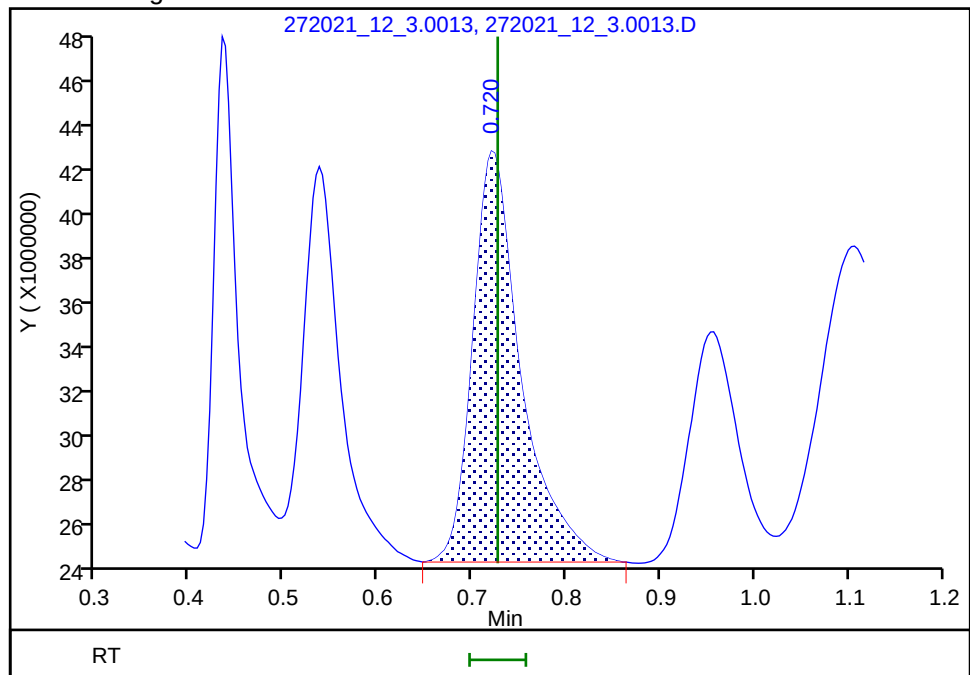
RT: 0.72
Area: 66271381
Amount: 10418
Amount Units: ug/l

Processing Integration Results



RT: 0.72
Area: 63936461
Amount: 10163
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:53:45

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

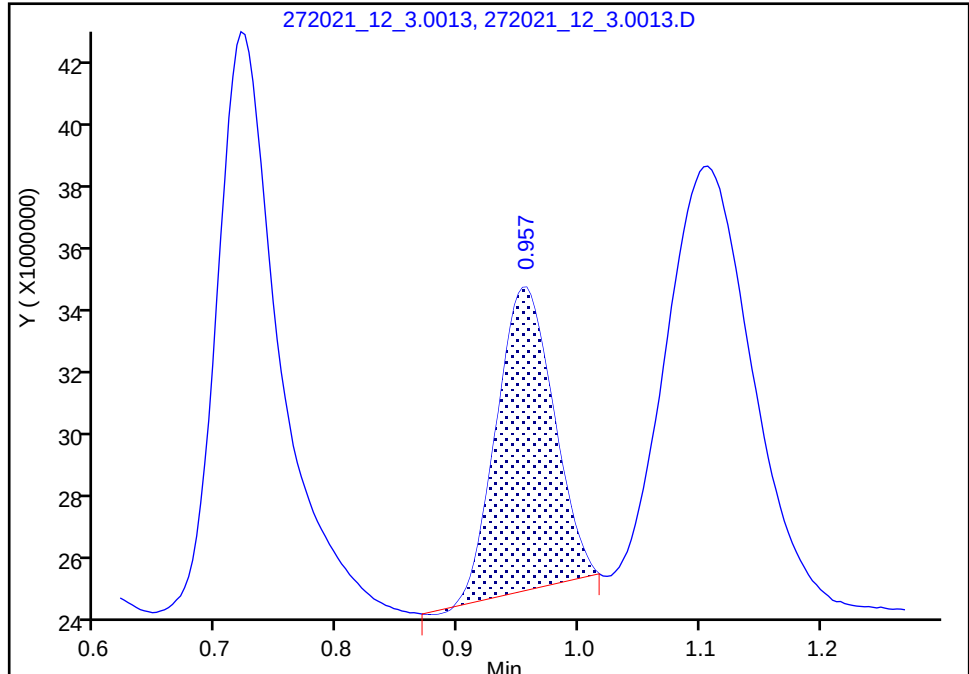
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0013.D
Injection Date: 03-Dec-2021 14:45:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

\$ 5 Acetone, CAS: 67-64-1

Signal: 1

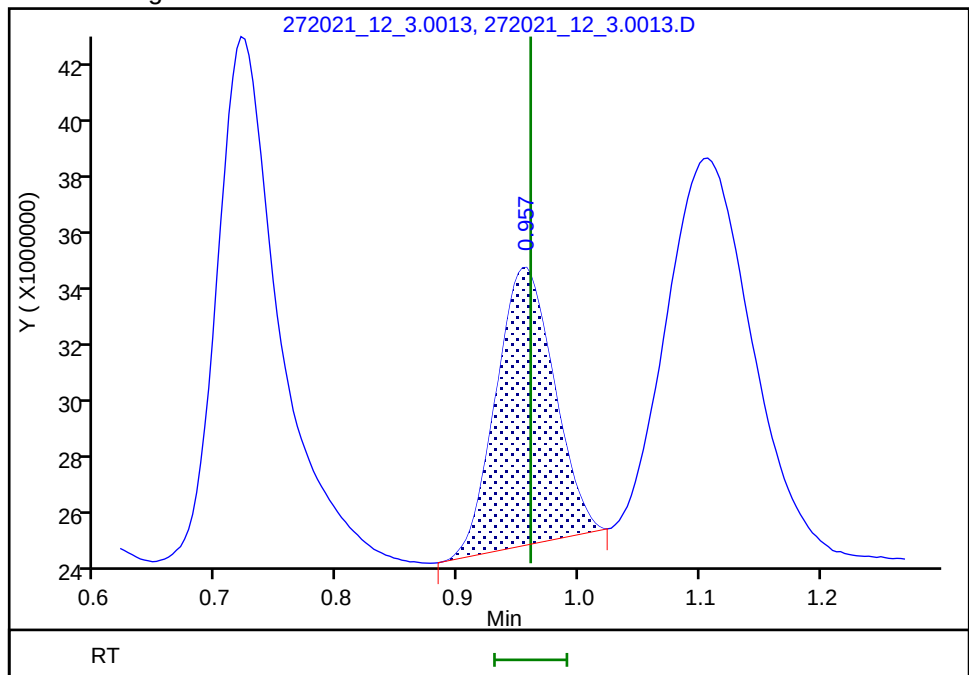
RT: 0.96
Area: 30538543
Amount: 9676.3195
Amount Units: ug/l

Processing Integration Results



RT: 0.96
Area: 31570832
Amount: 9938.4952
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:53:58

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

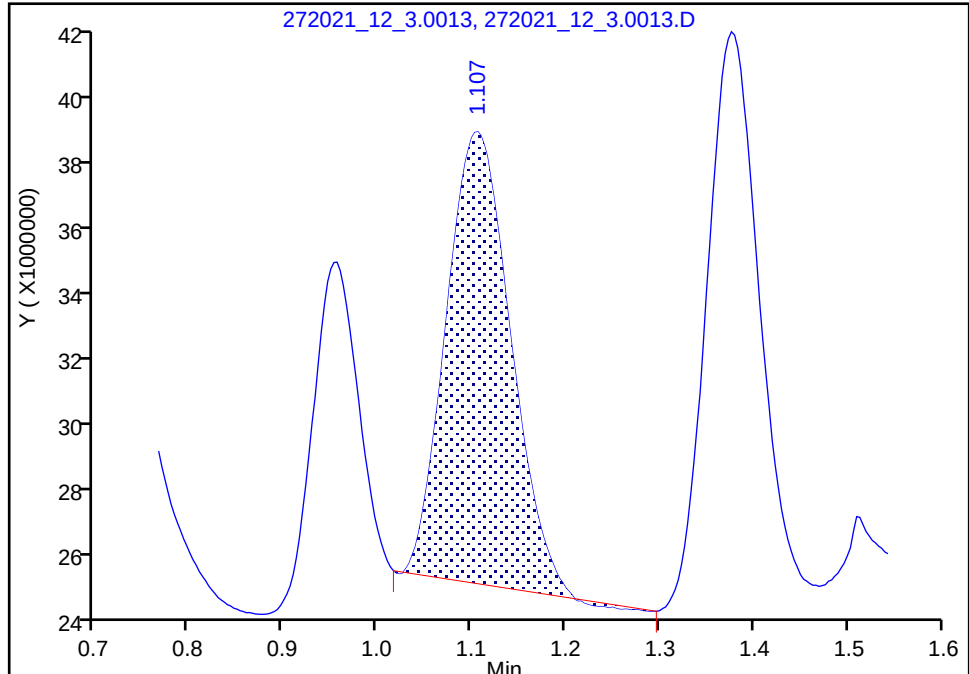
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0013.D
Injection Date: 03-Dec-2021 14:45:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

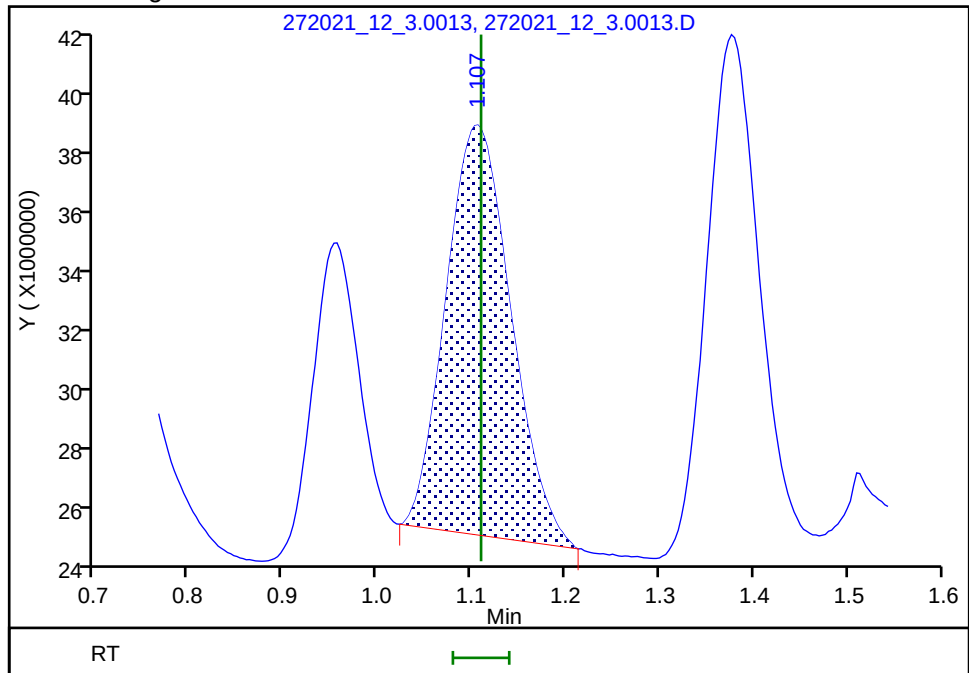
RT: 1.11
Area: 61515109
Amount: 9532.1925
Amount Units: ug/l

Processing Integration Results



RT: 1.11
Area: 62380210
Amount: 9634.9176
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:53:55

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 03-Dec-2021 15:04:00 ALS Bottle#: 0 Worklist Smp#: 10
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045468-010
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:41:35 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 06:46:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.337	0.337	0.000	61599481	20056	24708	M
2	0.720	0.723	-0.003	155265624	20056	20820	
RPD = 17.08							
2 Ethanol							M
1	0.433	0.437	-0.004	86711463	20008	23482	M
2	1.640	1.640	0.000	222395316	20008	20331	M
RPD = 14.38							
3 Isopropyl alcohol							M
1	0.533	0.540	-0.007	92068757	20040	24582	M
2	2.900	2.900	0.000	243302093	20040	20449	M
RPD = 18.36							
4 Propanol							M
1	0.717	0.727	-0.010	121254694	20278	20291	M
2	3.457	3.463	-0.006	291063554	20278	20497	M
RPD = 1.01							
\$ 5 Acetone							M
1	0.950	0.960	-0.010	72128653	20032	22706	
2	2.587	2.587	0.000	198595321	20032	19982	M
RPD = 12.76							
6 Isobutyl alcohol							M
1	1.100	1.110	-0.010	131623446	20577	20330	M
7 n-Butanol							
1	1.373	1.383	-0.010	126833861	20676	23973	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME5_00008

Amount Added: 1.00

Units: ml

Report Date: 04-Dec-2021 07:41:35

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D

Injection Date: 03-Dec-2021 15:04:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: ic

Worklist Smp#:

10

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

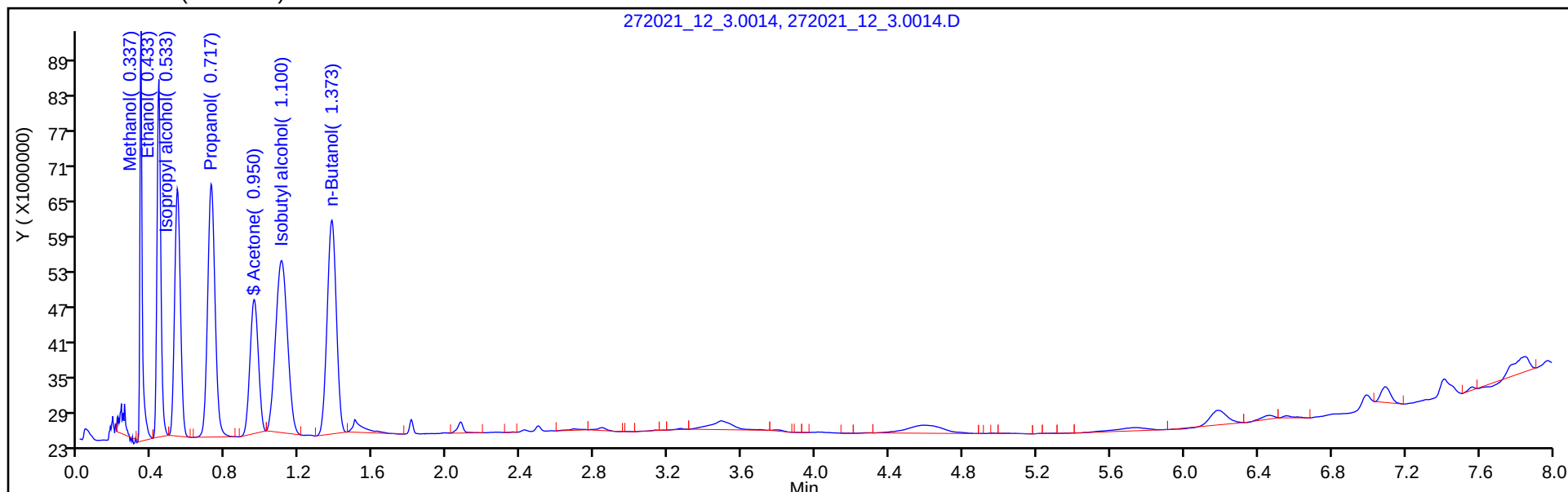
ALS Bottle#:

0

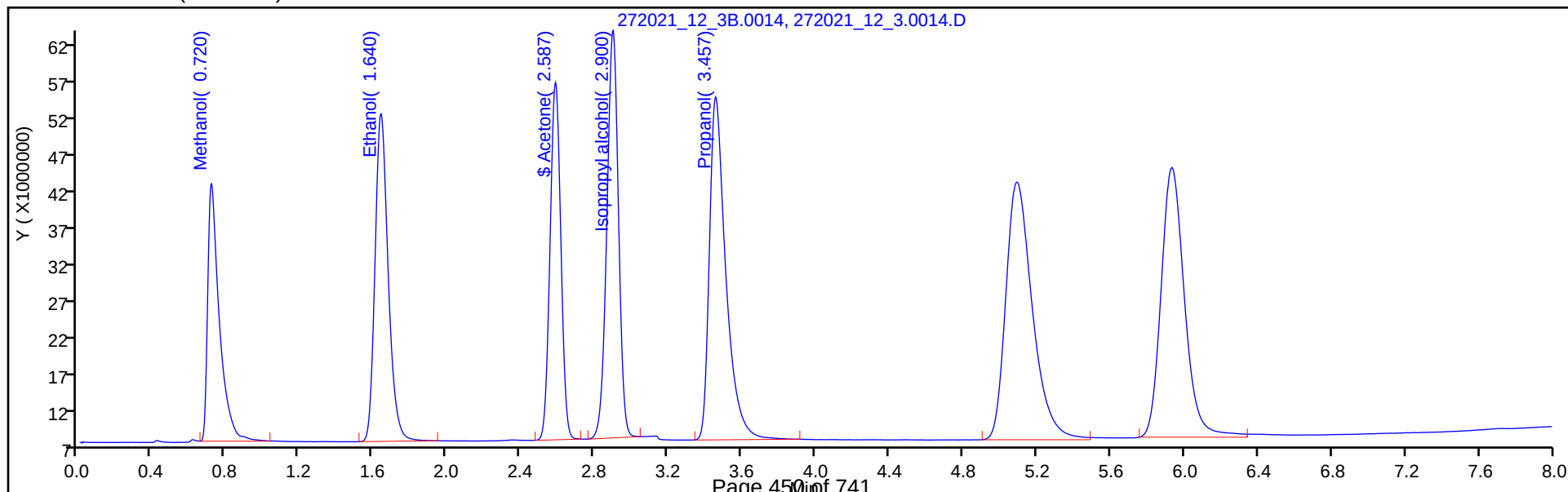
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

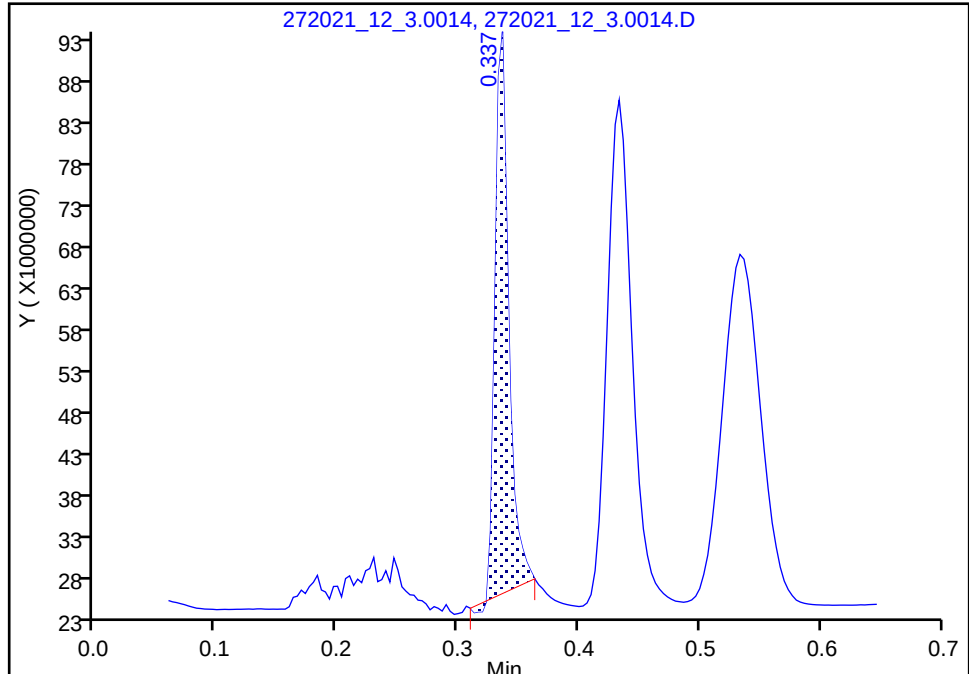
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
Injection Date: 03-Dec-2021 15:04:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

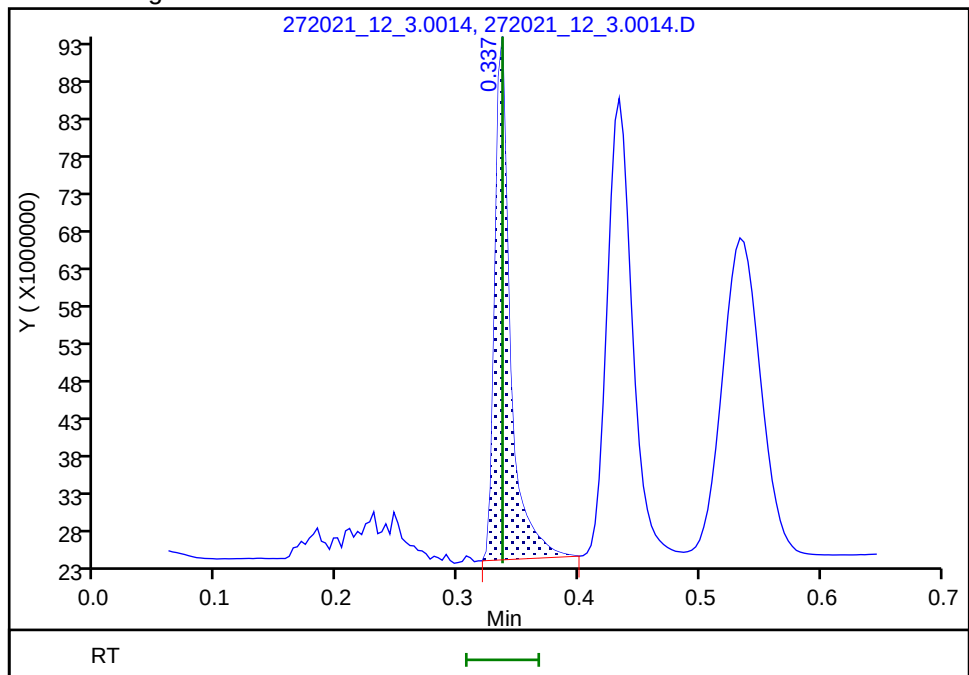
RT: 0.34
Area: 52512502
Amount: 20855
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 61599481
Amount: 24708
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:54:48

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

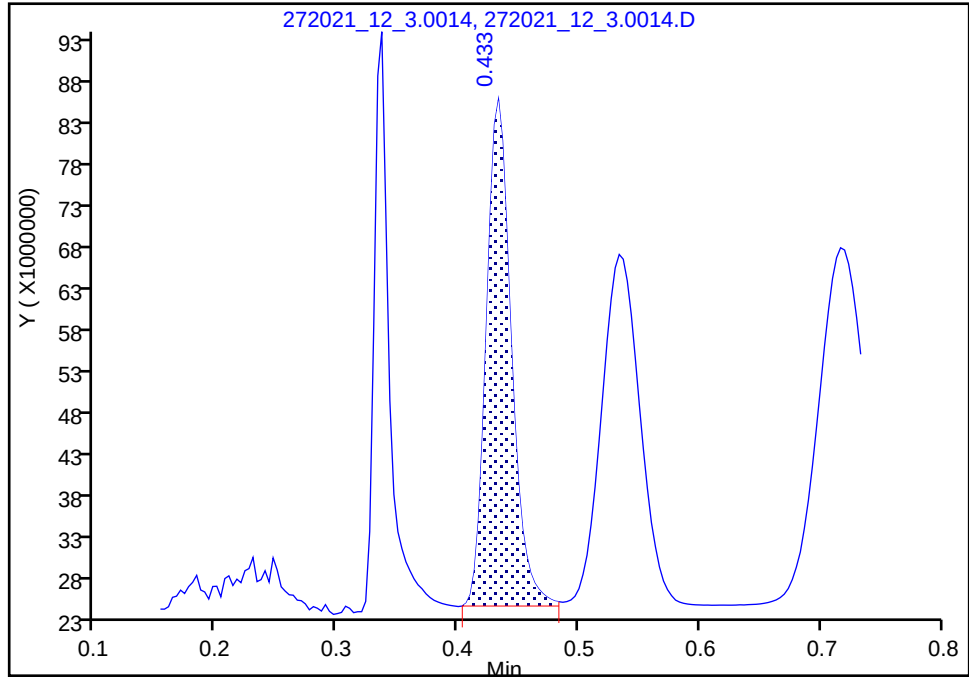
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
Injection Date: 03-Dec-2021 15:04:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

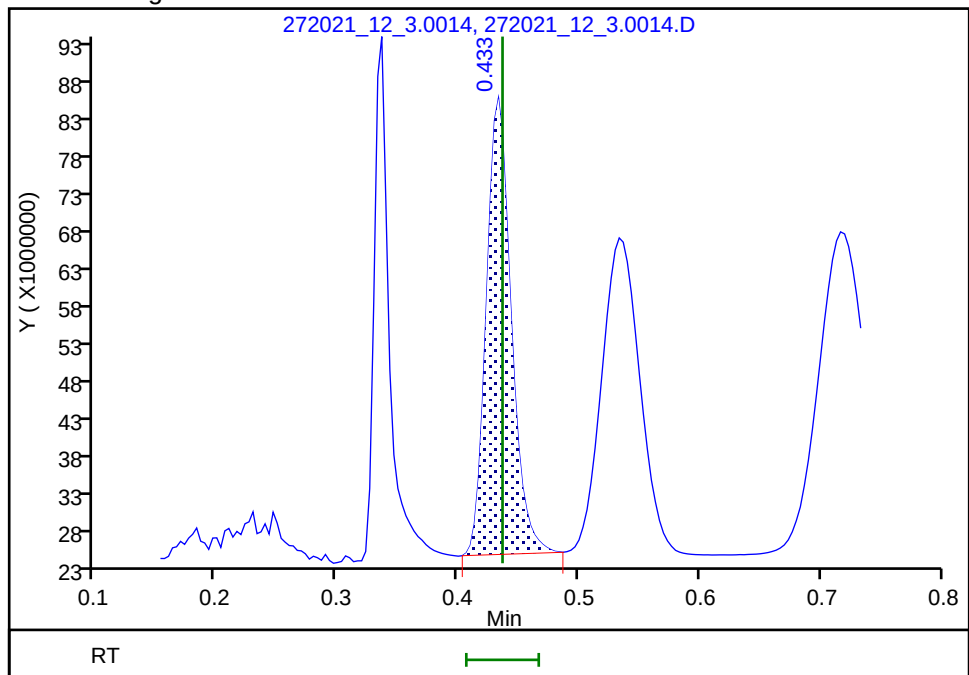
RT: 0.43
Area: 87798963
Amount: 23344
Amount Units: ug/l

Processing Integration Results



RT: 0.43
Area: 86711463
Amount: 23482
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:54:44
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 452 of 741

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D

Injection Date: 03-Dec-2021 15:04:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 10

Purge Vol: 1.000 uL

Dil. Factor:

1.0000

Method: 8015_DAI_2739

Limit Group:

GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

Detector

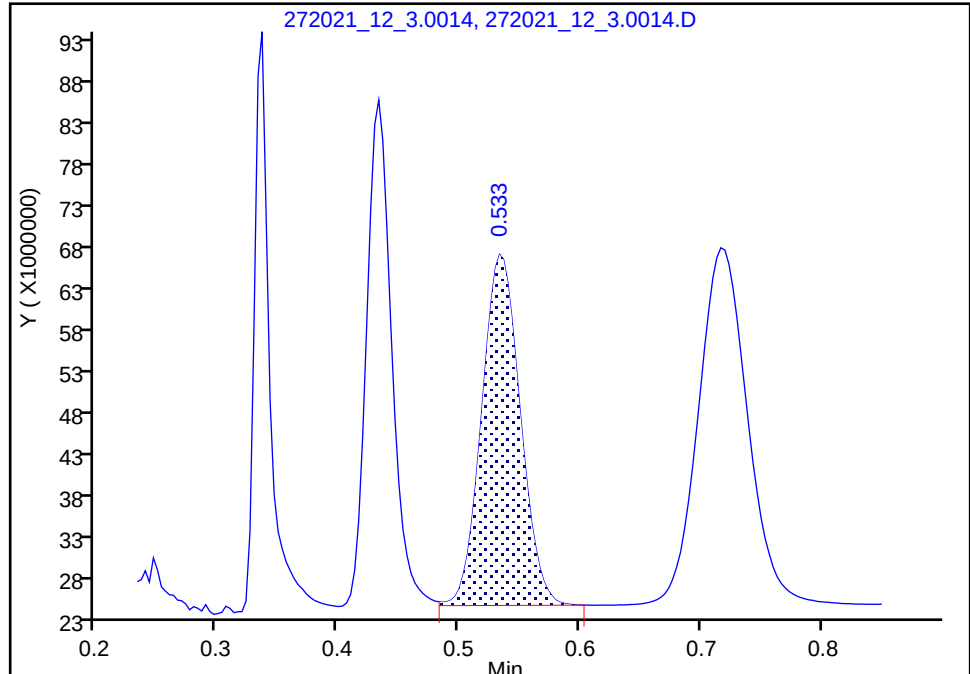
0FIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

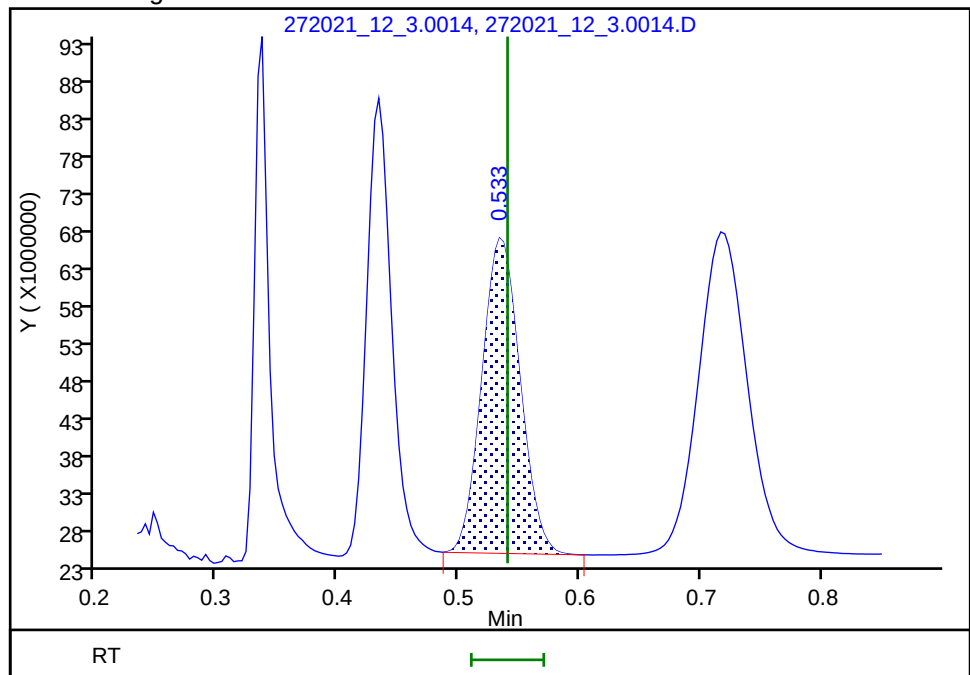
RT: 0.53
Area: 93631361
Amount: 24895
Amount Units: ug/l

Processing Integration Results



RT: 0.53
Area: 92068757
Amount: 24582
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:54:40

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D

Injection Date: 03-Dec-2021 15:04:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 10

Purge Vol: 1.000 uL

Dil. Factor:

1.0000

Method: 8015_DAI_2739

Limit Group:

GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

Detector

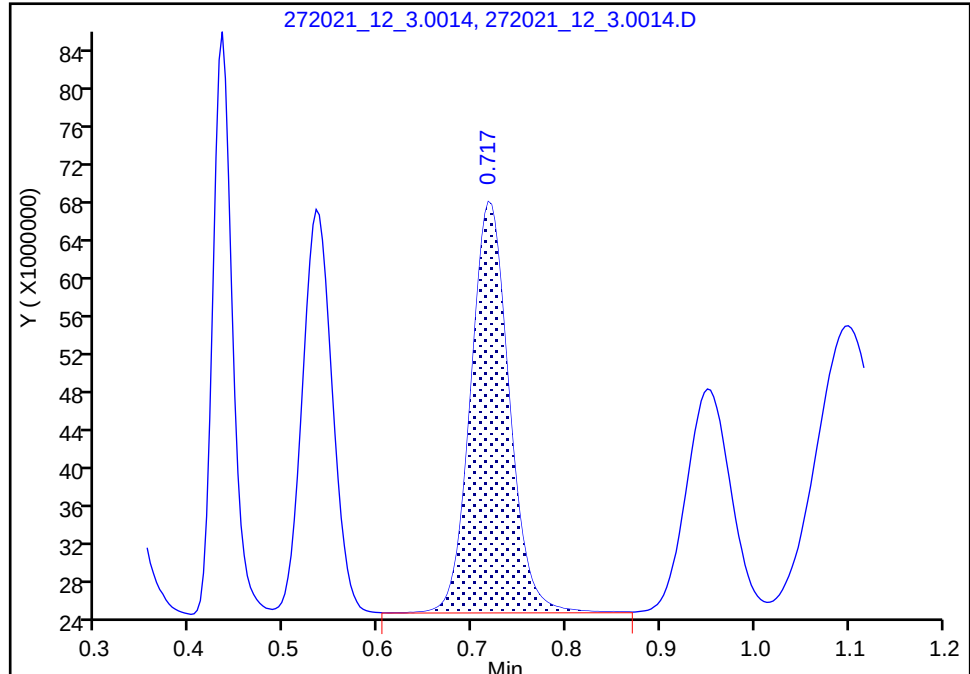
0FIDA

4 Propanol, CAS: 71-23-8

Signal: 1

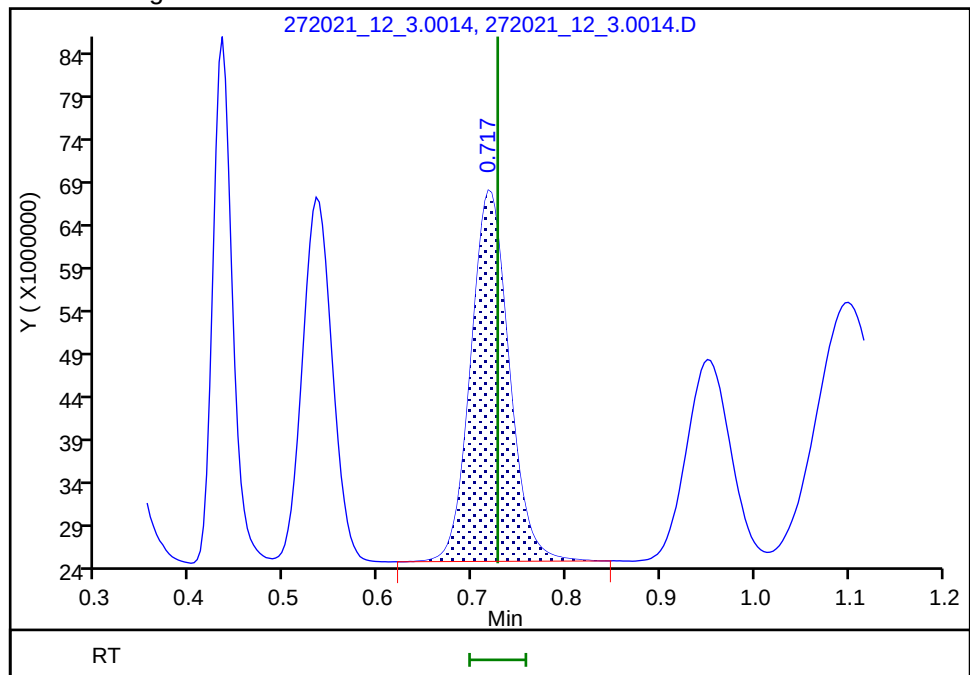
RT: 0.72
Area: 122350762
Amount: 20321
Amount Units: ug/l

Processing Integration Results



RT: 0.72
Area: 121254694
Amount: 20291
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:54:57

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D

Injection Date: 03-Dec-2021 15:04:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 10

Purge Vol: 1.000 uL

Dil. Factor:

1.0000

Method: 8015_DAI_2739

Limit Group:

GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

Detector

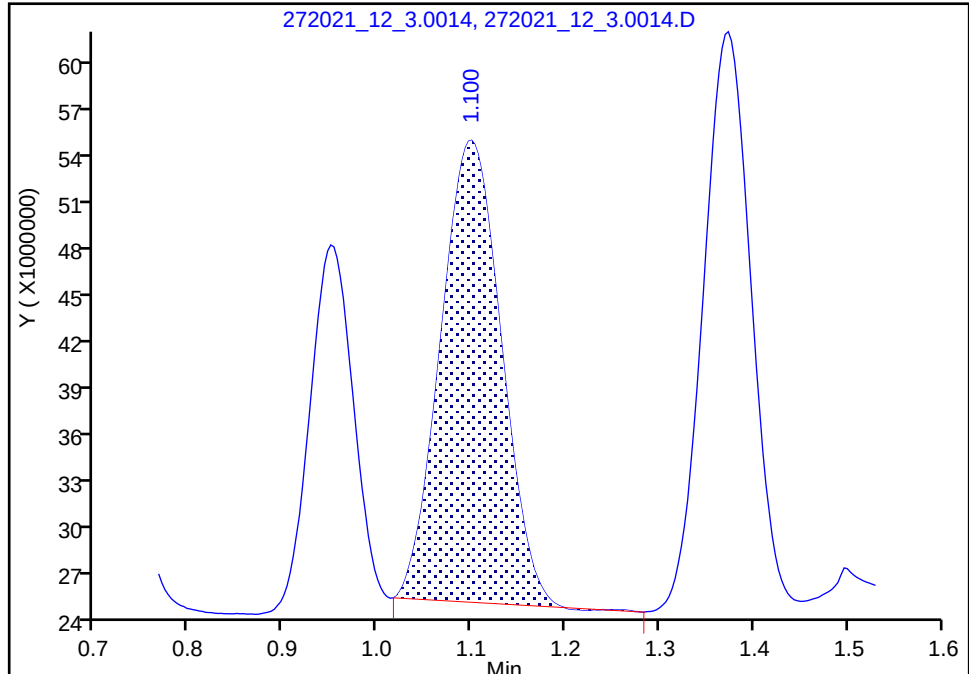
OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

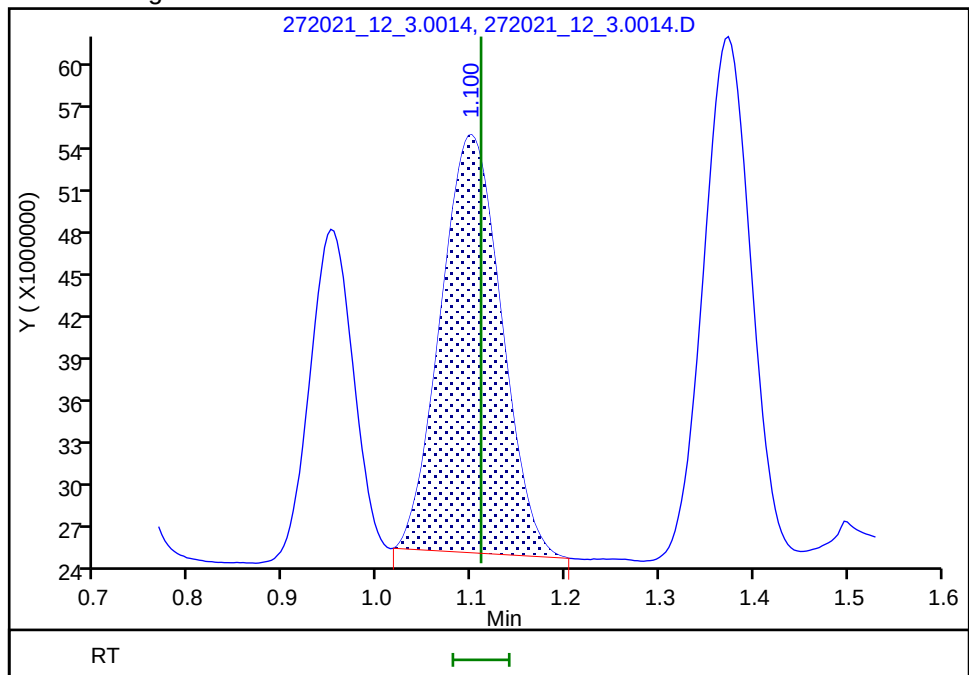
RT: 1.10
Area: 131194802
Amount: 20277
Amount Units: ug/l

Processing Integration Results



RT: 1.10
Area: 131623446
Amount: 20330
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:55:04

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Calibration

/ Methanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ESTD
Response Base: AREA
RF Rounding: 0

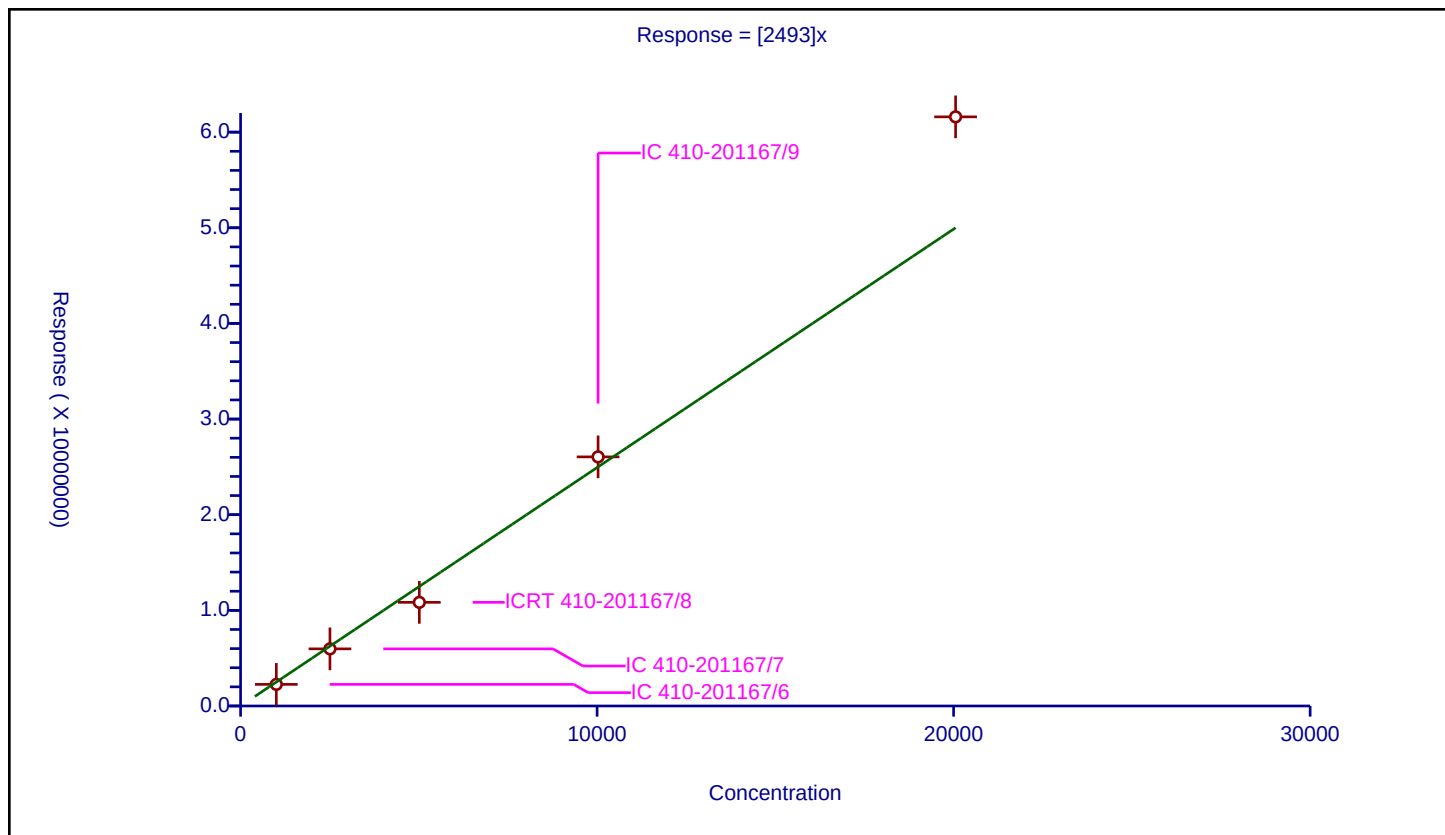
Curve Coefficients

Intercept: 0
Slope: 2493

Error Coefficients

Standard Error: 5880000
Relative Standard Error: 14.5
Correlation Coefficient: 0.992
Coefficient of Determination (Adjusted): 0.971

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-201167/6	1002.8	2258560.0			2252.25369	Y
2	IC 410-201167/7	2507.0	5975000.0			2383.326685	Y
3	ICRT 410-201167/8	5014.0	10837498.0			2161.447547	Y
4	IC 410-201167/9	10028.0	26045836.0			2597.311129	Y
5	IC 410-201167/10	20056.0	61599481.0			3071.374202	Y



Calibration

/ Ethanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

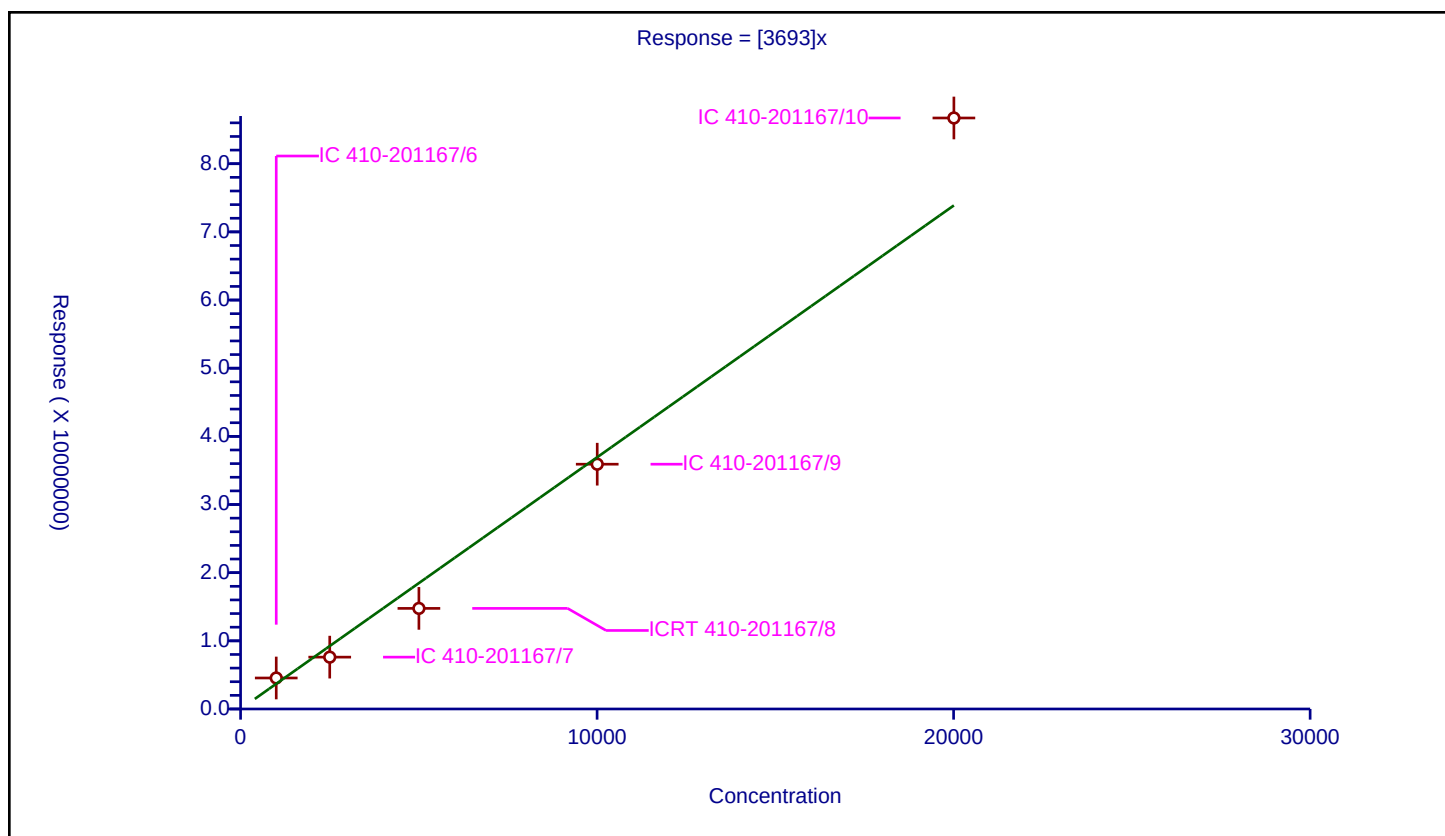
Curve Coefficients

Intercept: 0
 Slope: 3693

Error Coefficients

Standard Error: 6760000
 Relative Standard Error: 19.7
 Correlation Coefficient: 0.989
 Coefficient of Determination (Adjusted): 0.931

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-201167/6	1000.4	4548101.0			4546.282487	Y
2	IC 410-201167/7	2501.0	7609375.0			3042.532987	Y
3	ICRT 410-201167/8	5002.0	14758334.0			2950.486605	Y
4	IC 410-201167/9	10004.0	35915626.0			3590.126549	Y
5	IC 410-201167/10	20008.0	86711463.0			4333.839614	Y



Calibration

/ Isopropyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

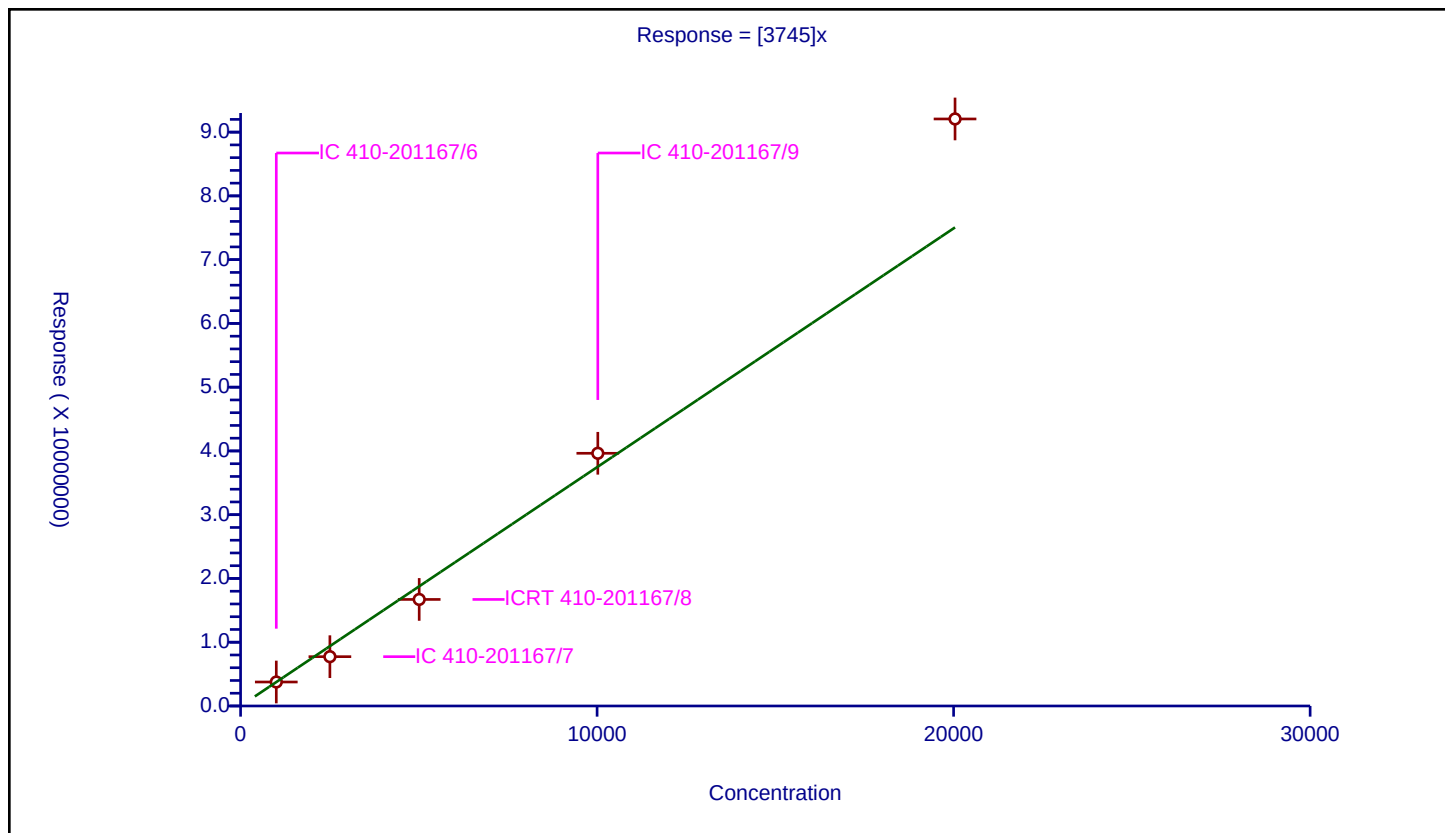
Curve Coefficients

Intercept: 0
 Slope: 3745

Error Coefficients

Standard Error: 8670000
 Relative Standard Error: 15.6
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.965

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-201167/6	1002.0	3761980.0			3754.471058	Y
2	IC 410-201167/7	2505.0	7734373.0			3087.574052	Y
3	ICRT 410-201167/8	5010.0	16710936.0			3335.516168	Y
4	IC 410-201167/9	10020.0	39633336.0			3955.422754	Y
5	IC 410-201167/10	20040.0	92068757.0			4594.249351	Y



Calibration

/ Propanol

Curve Type: Linear
 Weighting: None
 Origin: None
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

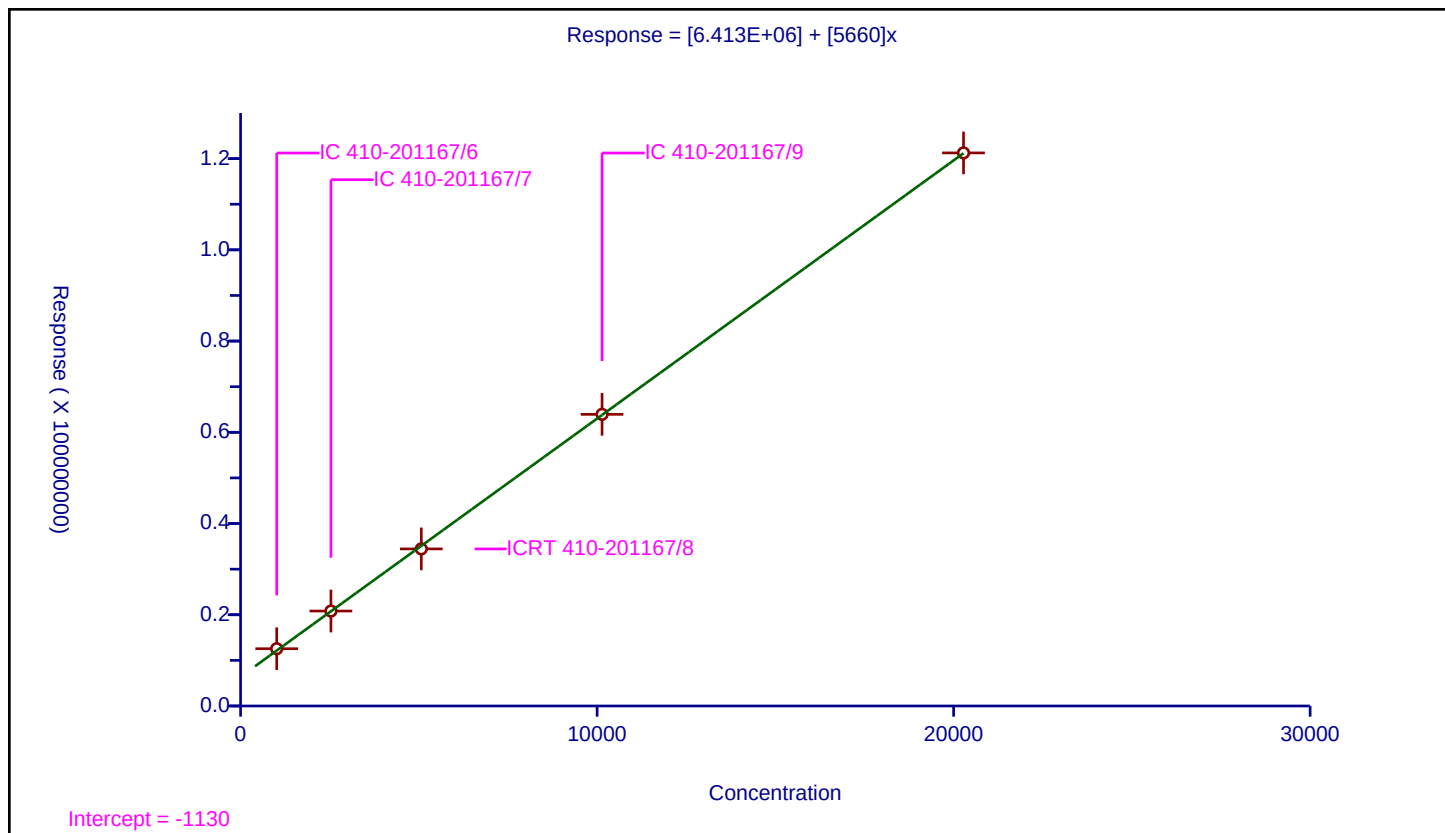
Curve Coefficients

Intercept: 6.413E+06
 Slope: 5660

Error Coefficients

Standard Error: 460000
 Relative Standard Error: 4.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-201167/6	1013.905	12553651.0			12381.486431	Y
2	IC 410-201167/7	2534.7625	20816669.0			8212.473161	Y
3	ICRT 410-201167/8	5069.525	34438016.0			6793.144525	Y
4	IC 410-201167/9	10139.05	63936461.0			6305.961703	Y
5	IC 410-201167/10	20278.1	121254694.0			5979.588522	Y



Calibration

/ Acetone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

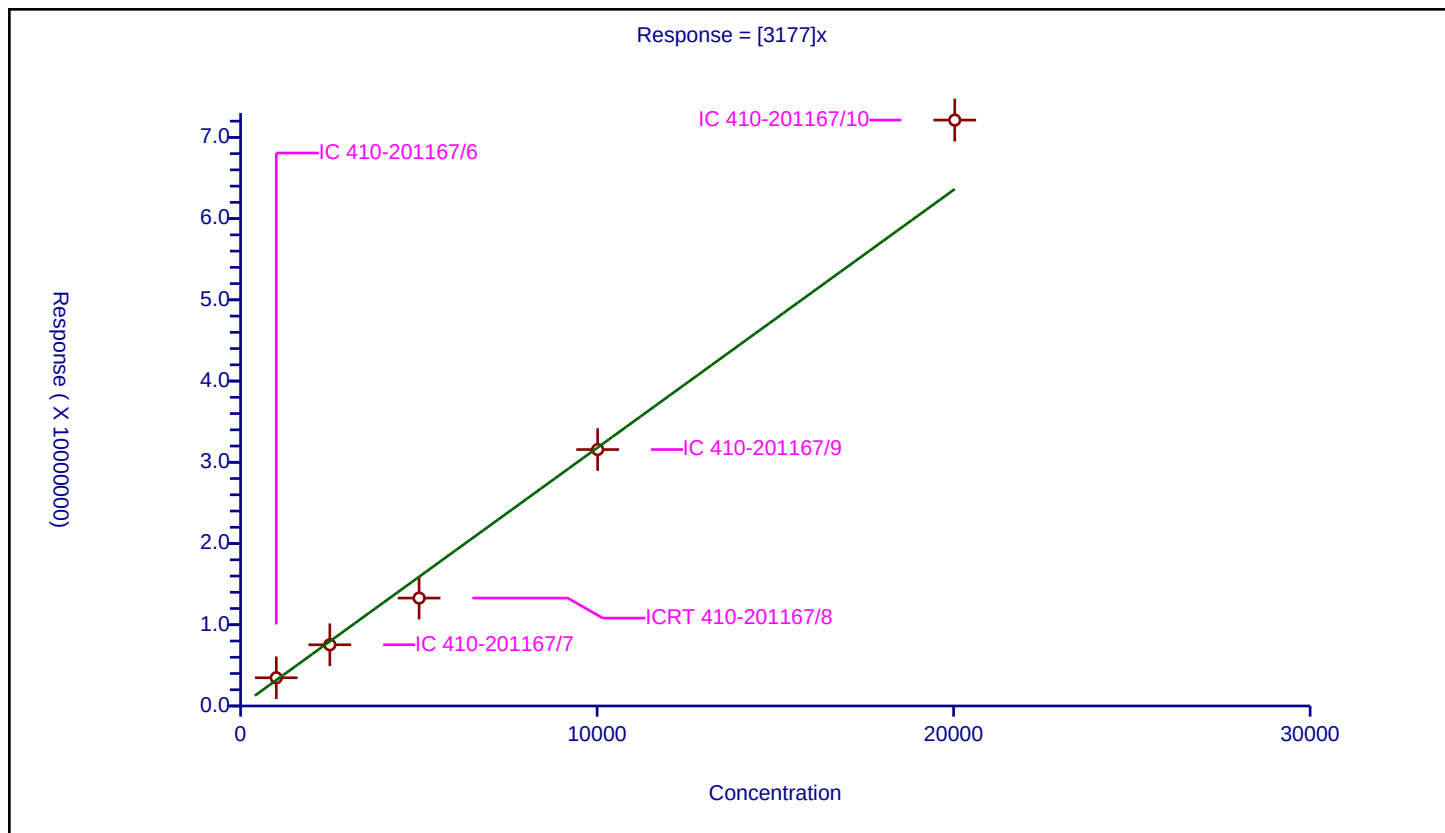
Curve Coefficients

Intercept: 0
 Slope: 3177

Error Coefficients

Standard Error: 4450000
 Relative Standard Error: 11.9
 Correlation Coefficient: 0.993
 Coefficient of Determination (Adjusted): 0.977

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-201167/6	1001.6	3474480.0			3468.929712	Y
2	IC 410-201167/7	2504.0	7534377.0			3008.936502	Y
3	ICRT 410-201167/8	5008.0	13283855.0			2652.526957	Y
4	IC 410-201167/9	10016.0	31570832.0			3152.039936	Y
5	IC 410-201167/10	20032.0	72128653.0			3600.671575	Y



Calibration

/ Isobutyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

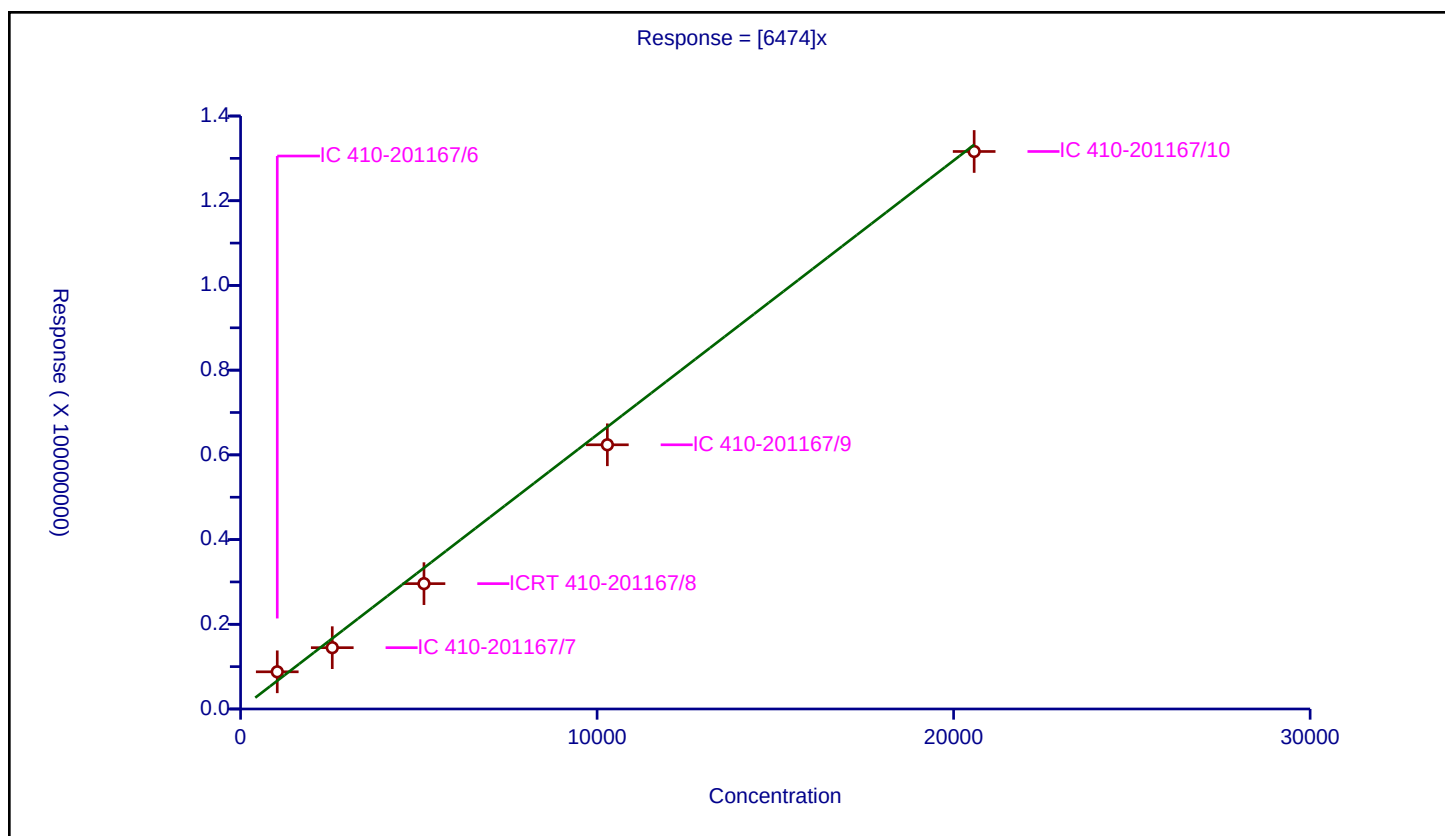
Curve Coefficients

Intercept: 0
 Slope: 6474

Error Coefficients

Standard Error: 3300000
 Relative Standard Error: 18.3
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.928

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-201167/6	1028.83	8777601.0			8531.633992	Y
2	IC 410-201167/7	2572.075	14474997.0			5627.750746	Y
3	ICRT 410-201167/8	5144.15	29592190.0			5752.590807	Y
4	IC 410-201167/9	10288.3	62380210.0			6063.218413	Y
5	IC 410-201167/10	20576.6	131623446.0			6396.753885	Y



Calibration

/ n-Butanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

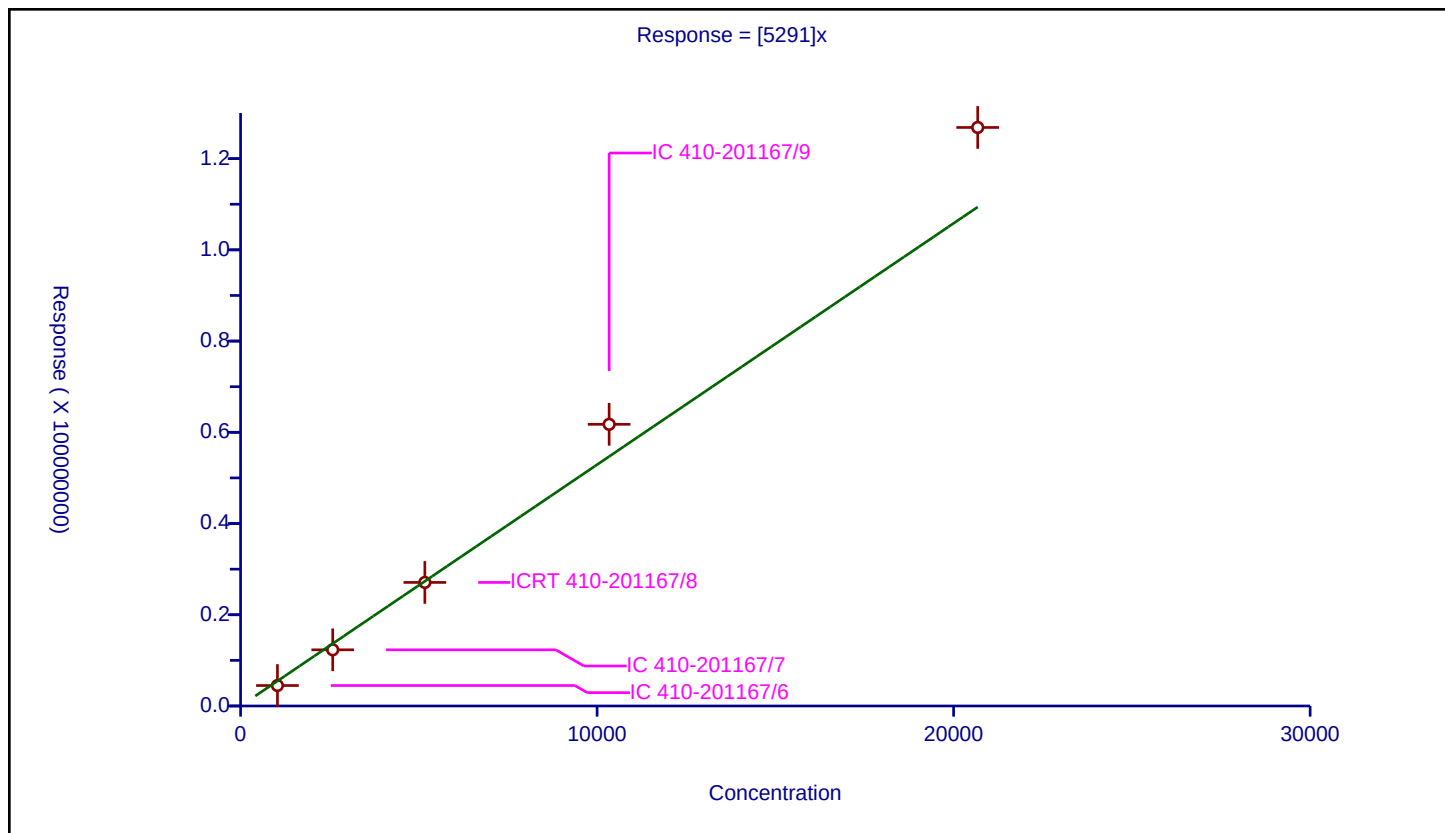
Curve Coefficients

Intercept: 0
 Slope: 5291

Error Coefficients

Standard Error: 9450000
 Relative Standard Error: 14.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.973

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-201167/6	1033.805	4488541.0			4341.767548	Y
2	IC 410-201167/7	2584.5125	12313540.0			4764.356915	Y
3	ICRT 410-201167/8	5169.025	27087499.0			5240.349776	Y
4	IC 410-201167/9	10338.05	61750526.0			5973.13091	Y
5	IC 410-201167/10	20676.1	126833861.0			6134.322285	Y



FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 201167

SDG No.: _____

Instrument ID: 2739 GC Column: SP1000 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2021 13:49 Calibration End Date: 12/03/2021 15:04 Calibration ID: 33641

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-201167/6	272021_12_3.0010.D
Level 2	IC 410-201167/7	272021_12_3.0011.D
Level 3	ICRT 410-201167/8	272021_12_3.0012.D
Level 4	IC 410-201167/9	272021_12_3.0013.D
Level 5	IC 410-201167/10	272021_12_3.0014.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Methanol	0.720	0.720	0.723	0.717	0.720						0.693 - 0.753	0.720
Ethanol	1.643	1.640	1.640	1.637	1.640						1.610 - 1.670	1.640
Isopropanol	2.900	2.900	2.900	2.897	2.900						2.870 - 2.930	2.899
1-Propanol	3.470	3.467	3.463	3.460	3.457						3.426 - 3.500	3.463
Acetone	2.590	2.590	2.587	2.587	2.587						2.557 - 2.617	2.588

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 201167

SDG No.: _____

Instrument ID: 2739 GC Column: SP1000 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2021 13:49 Calibration End Date: 12/03/2021 15:04 Calibration ID: 33641

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-201167/6	272021_12_3.0010.D
Level 2	IC 410-201167/7	272021_12_3.0011.D
Level 3	ICRT 410-201167/8	272021_12_3.0012.D
Level 4	IC 410-201167/9	272021_12_3.0013.D
Level 5	IC 410-201167/10	272021_12_3.0014.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Methanol	7281.7 7741.6	7160.4	7492.8	7610.4	Ave		7457.3598 1				3.2		20.0			
Ethanol	10776 11115	10604	11018	11179	Ave		10938.484 6				2.2		20.0			
Isopropanol	11737 12141	11541	11913	12159	Ave		11898.151 1				2.2		20.0			
1-Propanol	14384 14354	13724	14167	14374	Ave		14200.525 0				2.0		20.0			
Acetone	10351 9913.9	10345	9399.1	9683.8	Ave		9938.6553 4				4.2		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 201167

SDG No.: _____

Instrument ID: 2739 GC Column: SP1000 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 12/03/2021 13:49 Calibration End Date: 12/03/2021 15:04 Calibration ID: 33641

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-201167/6	272021_12_3.0010.D
Level 2	IC 410-201167/7	272021_12_3.0011.D
Level 3	ICRT 410-201167/8	272021_12_3.0012.D
Level 4	IC 410-201167/9	272021_12_3.0013.D
Level 5	IC 410-201167/10	272021_12_3.0014.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Methanol	Ave	7302087	17951043	37568751	76316665	155265624	1003	2507	5014	10028	20056
Ethanol	Ave	10780213	26519785	55113023	111838024	222395316	1000	2501	5002	10004	20008
Isopropanol	Ave	11760412	28910419	59683856	121832818	243302093	1002	2505	5010	10020	20040
1-Propanol	Ave	14584027	34786458	71821888	145737509	291063554	1014	2535	5070	10139	20278
Acetone	Ave	10367708	25904686	47070833	96992709	198595321	1002	2504	5008	10016	20032

Curve Type Legend

Ave = Average

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0010.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 03-Dec-2021 13:49:00 ALS Bottle#: 0 Worklist Smp#: 6
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045468-006
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:41:31 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 06:45:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol

M

1	0.337	0.337	0.000	2258560	1002.8	905.9	M
2	0.720	0.723	-0.003	7302087	1002.8	979.2	
RPD = 7.77							

2 Ethanol

Ma

1	0.437	0.437	0.000	4548101	1000.4	1231.7	M
2	1.643	1.640	0.003	10780213	1000.4	985.5	M
RPD = 22.20							

3 Isopropyl alcohol

M

1	0.537	0.540	-0.003	3761980	1002.0	1004.4	
2	2.900	2.900	0.000	11760412	1002.0	988.4	M
RPD = 1.60							

4 Propanol

M

1	0.723	0.727	-0.004	12553651	1013.9	1084.9	
2	3.470	3.463	0.007	14584027	1013.9	1027.0	M
RPD = 5.49							

\$ 5 Acetone

M

1	0.957	0.960	-0.003	3474480	1001.6	1093.8	
2	2.590	2.587	0.003	10367708	1001.6	1043.2	M
RPD = 4.74							

6 Isobutyl alcohol

1	1.103	1.110	-0.007	8777601	1028.8	1355.7	

7 n-Butanol

M

1	1.377	1.383	-0.007	4488541	1033.8	848.4	M

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

EPH_LLME1_00009

Amount Added: 1.00

Units: mL

Report Date: 04-Dec-2021 07:41:31

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0010.D

Injection Date: 03-Dec-2021 13:49:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 1.000 uL

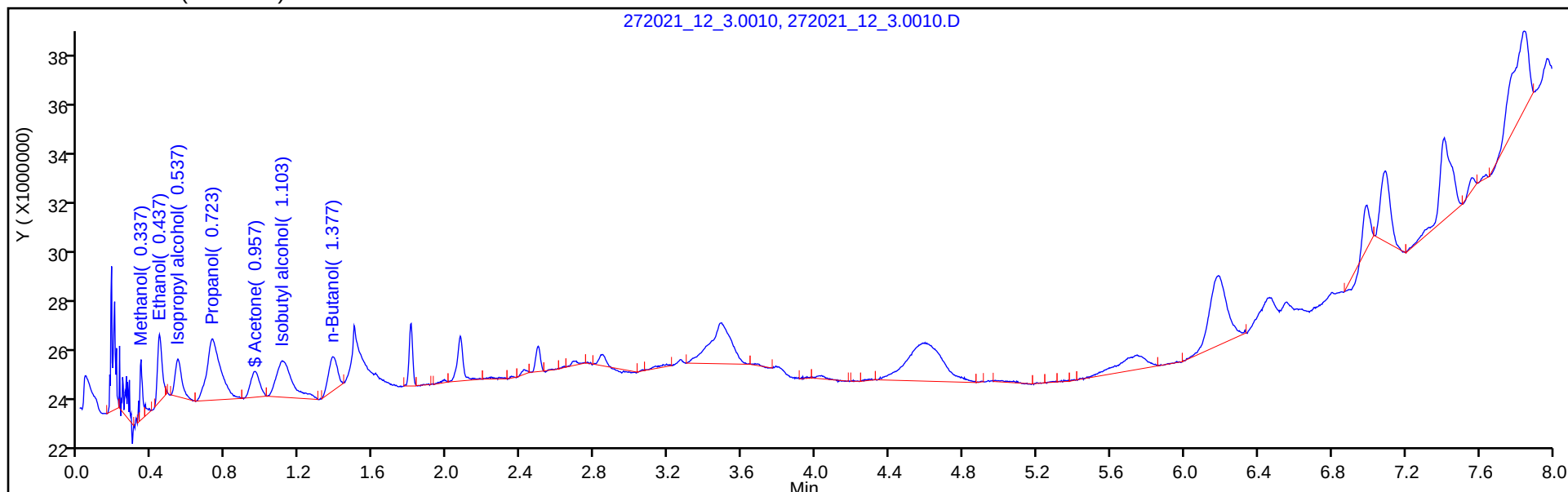
Dil. Factor: 1.0000

ALS Bottle#: 0

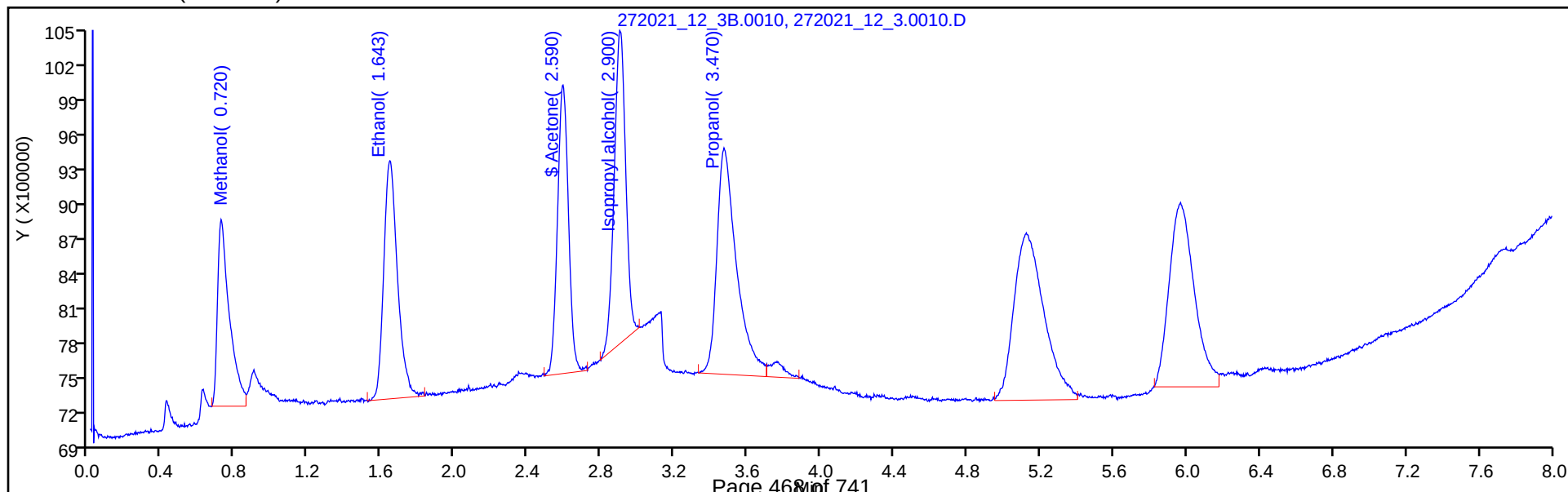
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

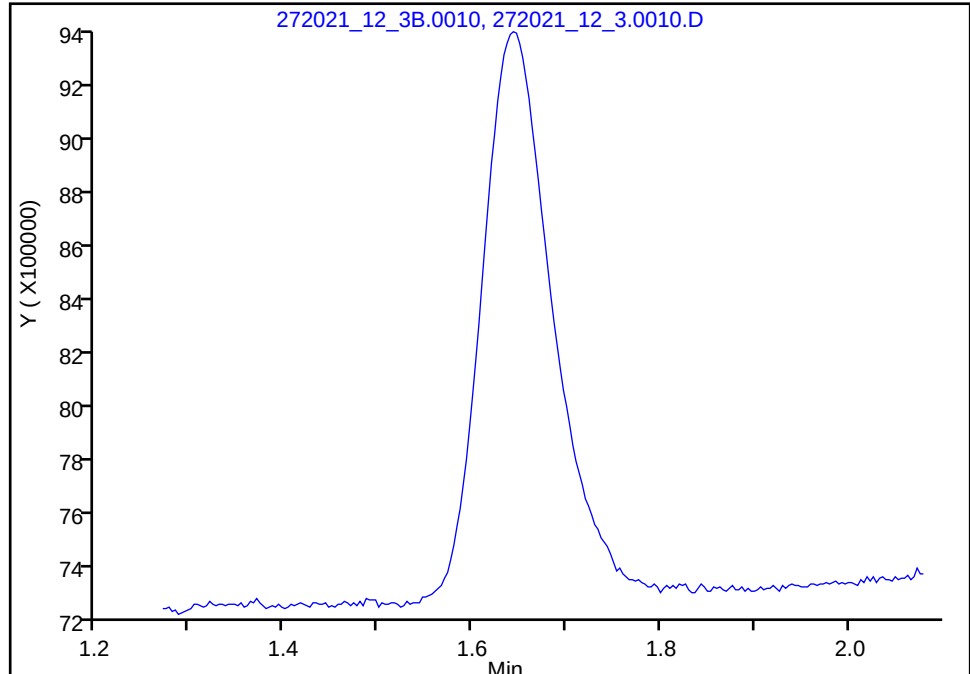
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0010.D
Injection Date: 03-Dec-2021 13:49:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

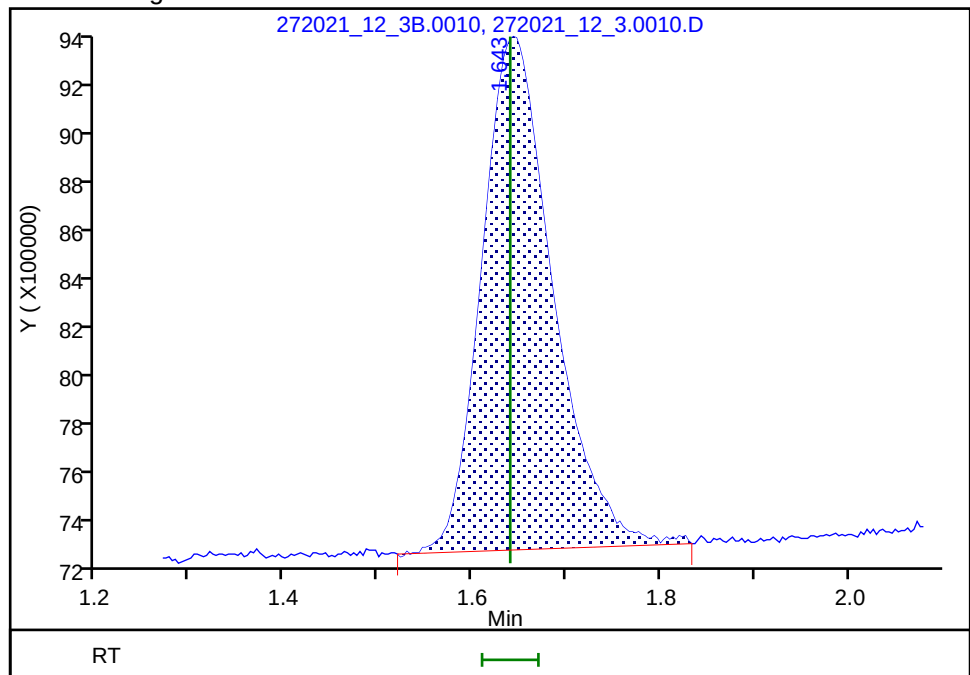
Not Detected
Expected RT: 1.64

Processing Integration Results



RT: 1.64
Area: 10780213
Amount: 985.5308
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:48:57

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

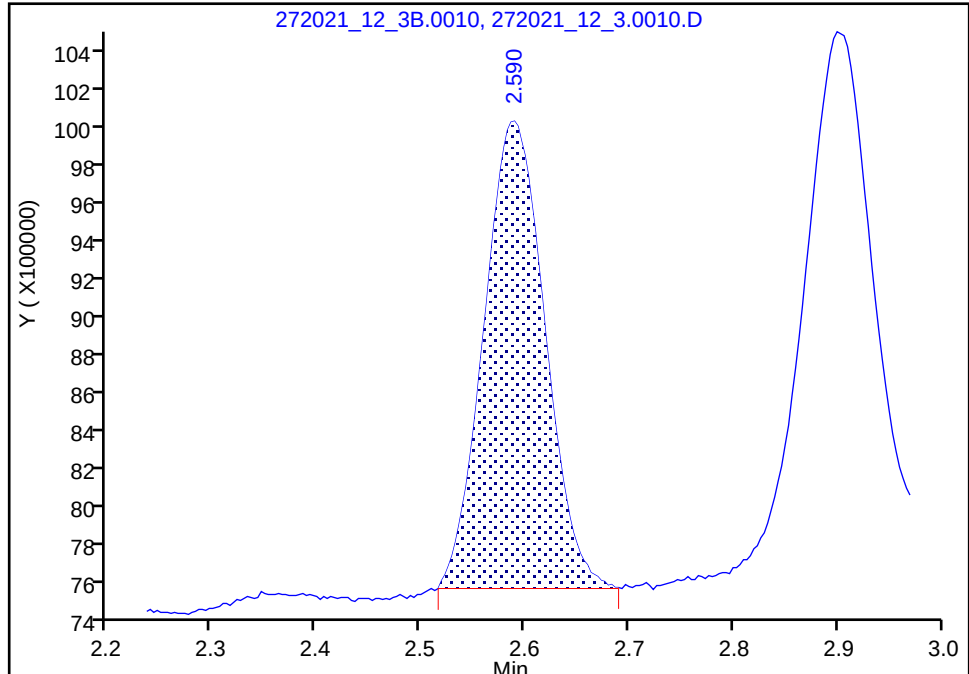
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0010.D
Injection Date: 03-Dec-2021 13:49:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

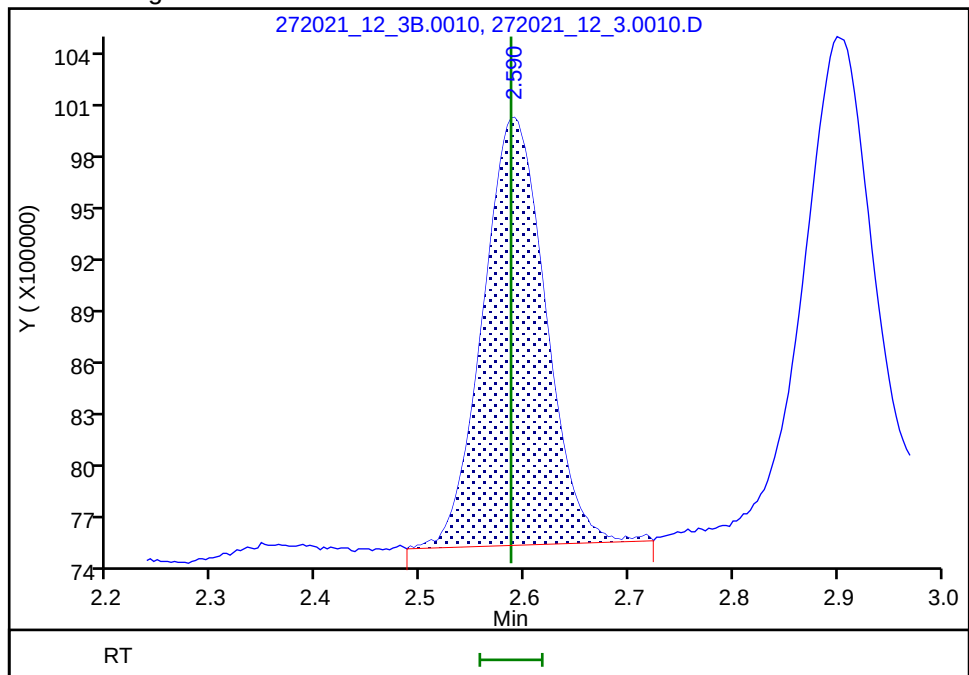
RT: 2.59
Area: 9977087
Amount: 1004.5832
Amount Units: ug/l

Processing Integration Results



RT: 2.59
Area: 10367708
Amount: 1043.1701
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:48:36

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

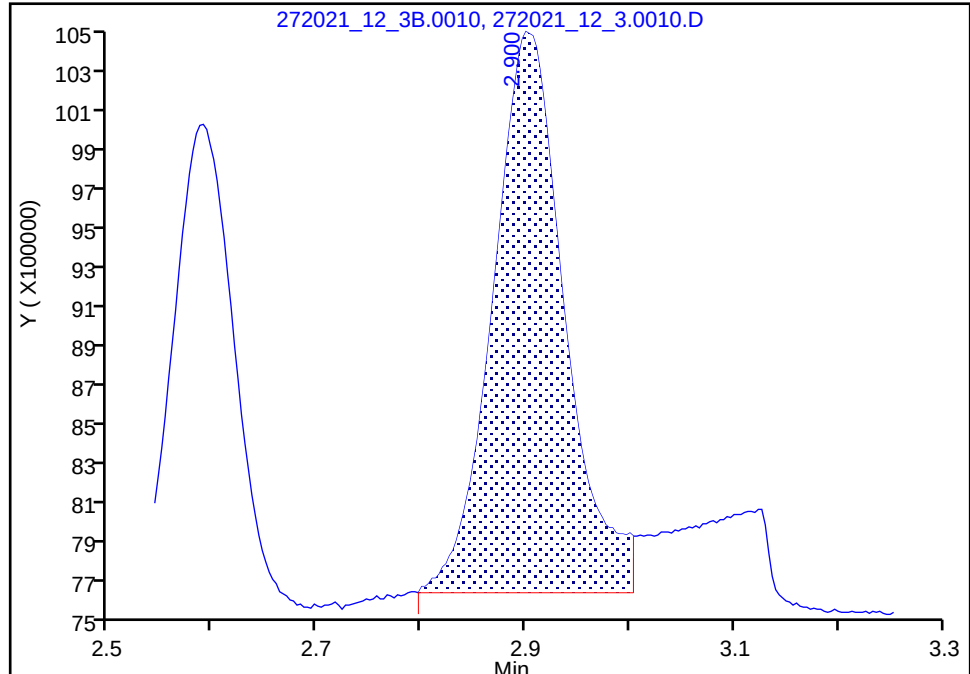
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0010.D
Injection Date: 03-Dec-2021 13:49:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

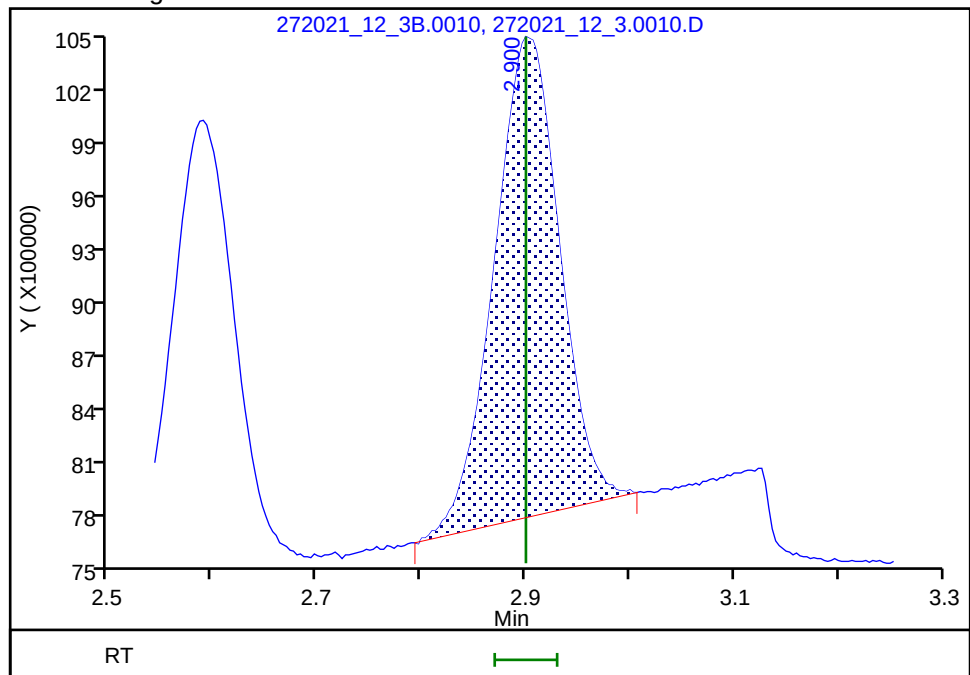
RT: 2.90
Area: 13597920
Amount: 1085.1765
Amount Units: ug/l

Processing Integration Results



RT: 2.90
Area: 11760412
Amount: 988.4235
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:48:41

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

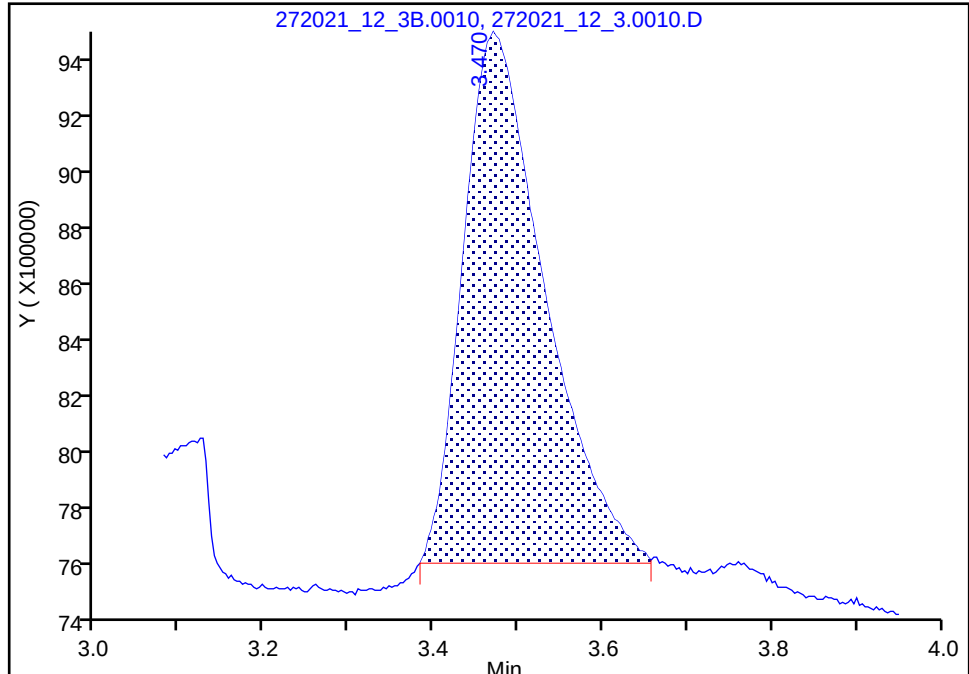
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0010.D
Injection Date: 03-Dec-2021 13:49:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

4 Propanol, CAS: 71-23-8

Signal: 2

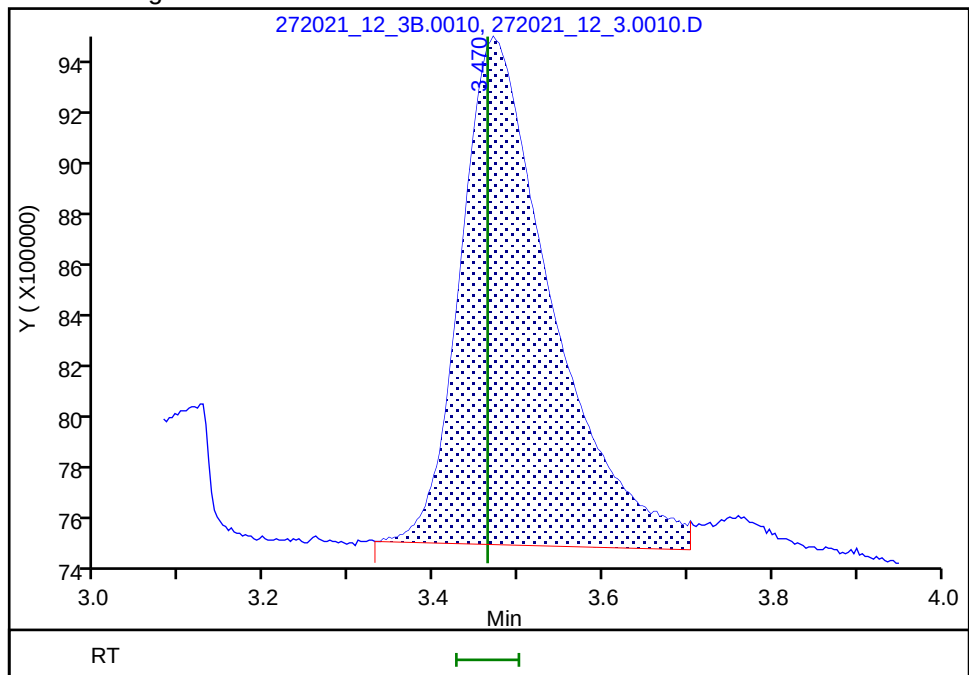
RT: 3.47
Area: 12348952
Amount: 904.9161
Amount Units: ug/l

Processing Integration Results



RT: 3.47
Area: 14584027
Amount: 1027.0062
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:50:16

Audit Action: Split an Integrated Peak

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0011.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 03-Dec-2021 14:08:00 ALS Bottle#: 0 Worklist Smp#: 7
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045468-007
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:41:32 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 06:50:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.337	0.337	0.000	5975000	2507.0	2396.6	M
2	0.720	0.723	-0.003	17951043	2507.0	2407.2	
RPD = 0.44							
2 Ethanol							M
1	0.440	0.437	0.003	7609375	2501.0	2060.7	M
2	1.640	1.640	0.000	26519785	2501.0	2424.4	M
RPD = 16.22							
3 Isopropyl alcohol							M
1	0.537	0.540	-0.003	7734373	2505.0	2065.0	
2	2.900	2.900	0.000	28910419	2505.0	2429.8	M
RPD = 16.23							
4 Propanol							M
1	0.727	0.727	0.000	20816669	2534.8	2544.9	
2	3.467	3.463	0.004	34786458	2534.8	2449.7	M
RPD = 3.81							
\$ 5 Acetone							M
1	0.960	0.960	0.000	7534377	2504.0	2371.8	
2	2.590	2.587	0.003	25904686	2504.0	2606.5	M
RPD = 9.43							
6 Isobutyl alcohol							M
1	1.117	1.110	0.007	14474997	2572.1	2235.7	M
7 n-Butanol							M
1	1.383	1.383	0.000	12313540	2584.5	2327.4	M

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME2_00008

Amount Added: 1.00

Units: mL

Report Date: 04-Dec-2021 07:41:32

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0011.D

Injection Date: 03-Dec-2021 14:08:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 7

Client ID:

Purge Vol: 1.000 uL

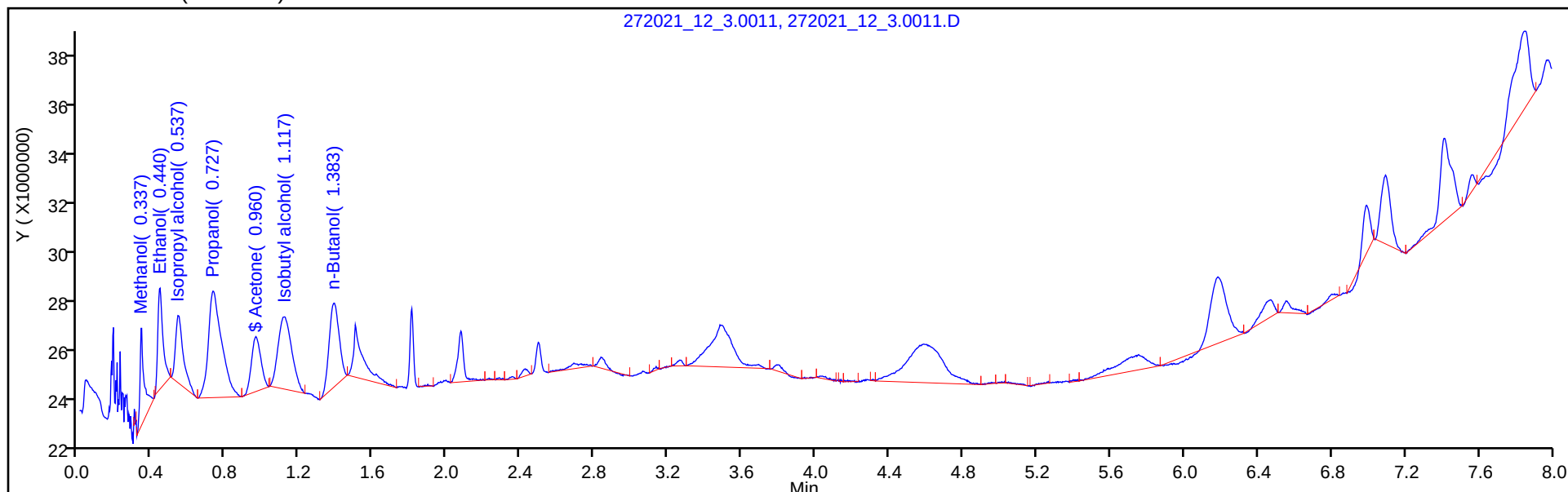
Dil. Factor: 1.0000

ALS Bottle#: 0

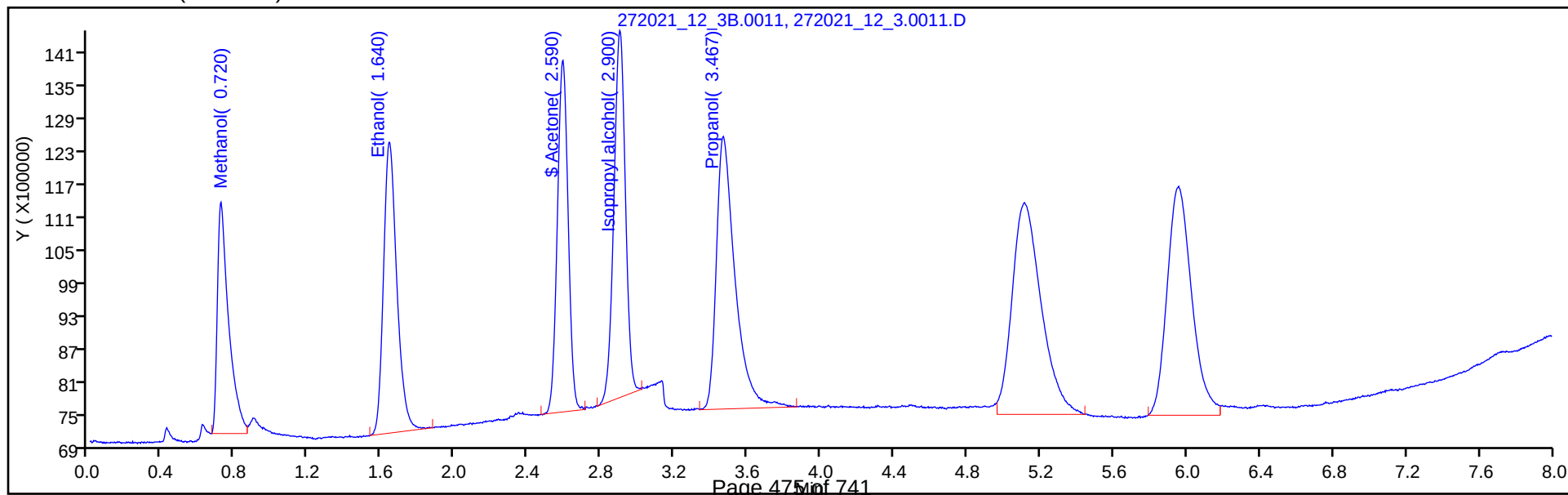
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0011.D

Injection Date: 03-Dec-2021 14:08:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 7

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: SP1000 (0.00 mm)

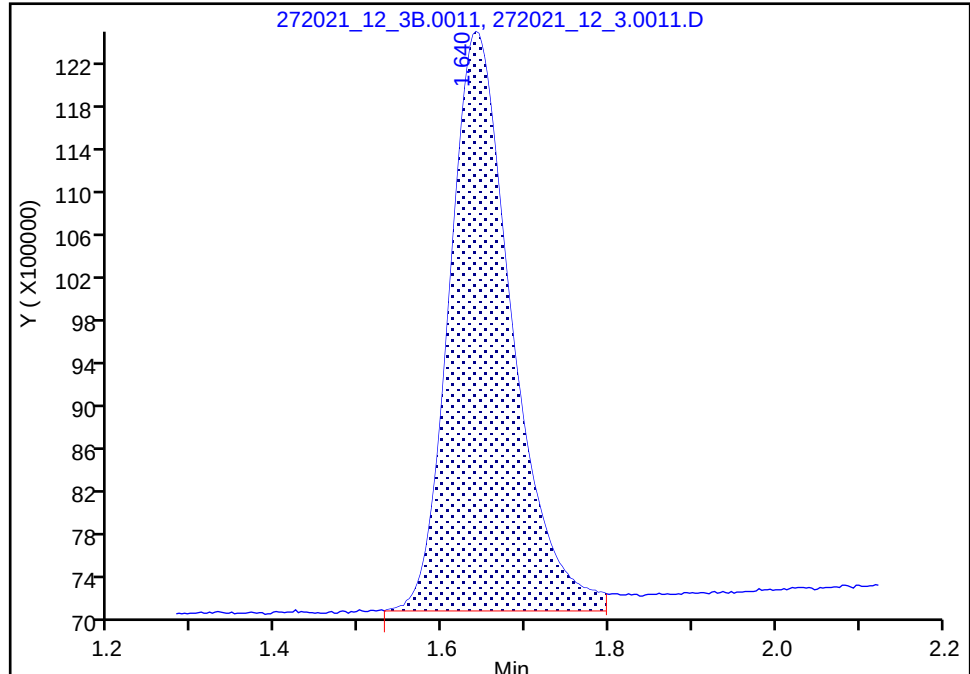
Detector: 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

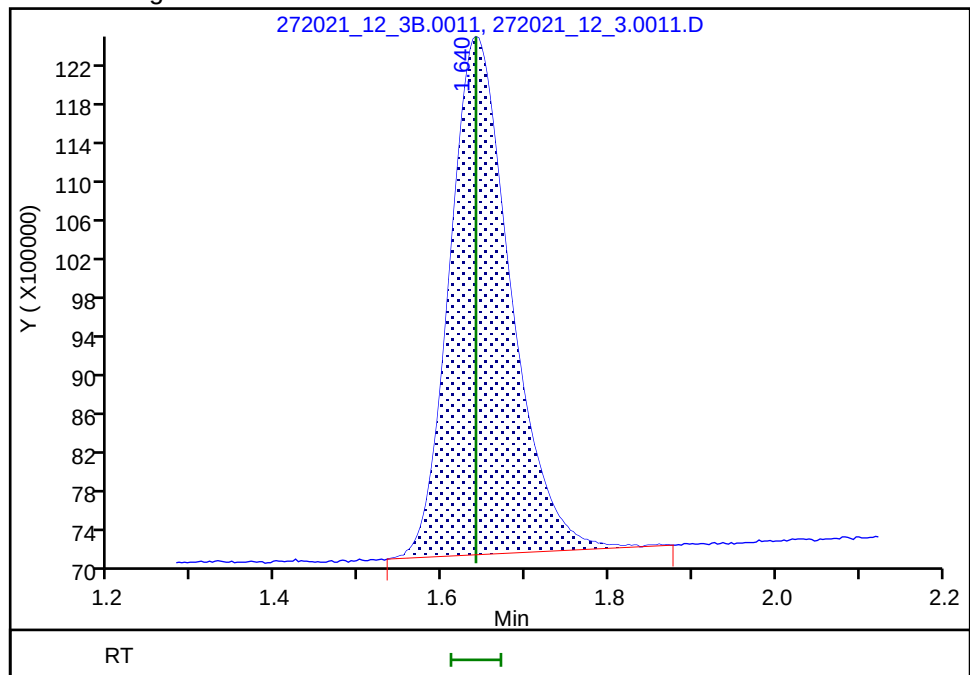
RT: 1.64
Area: 27478125
Amount: 2484.0099
Amount Units: ug/l

Processing Integration Results



RT: 1.64
Area: 26519785
Amount: 2424.4478
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:49:47

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

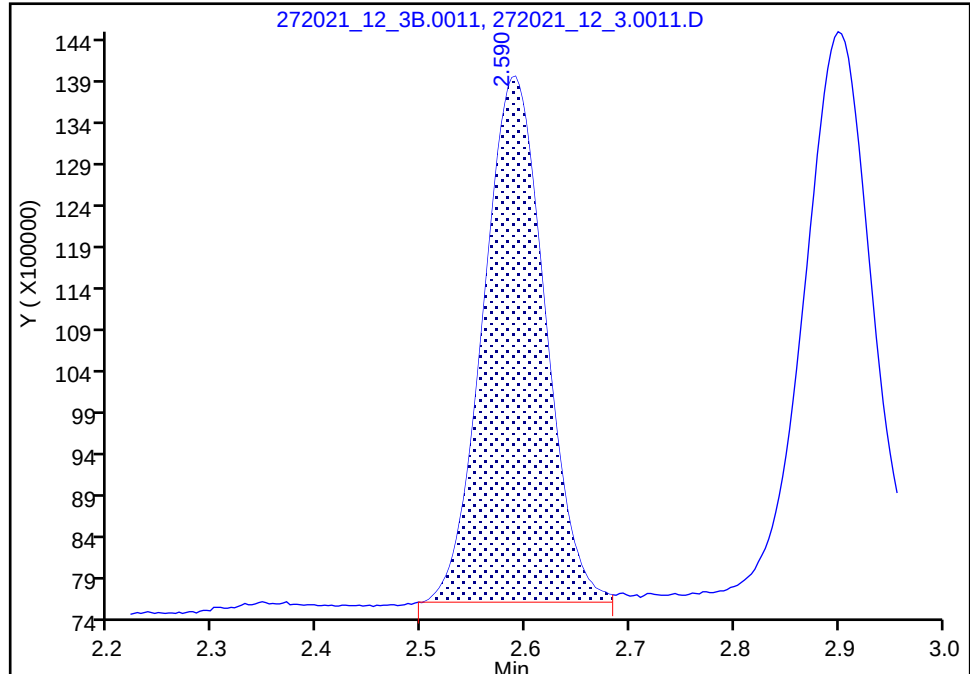
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0011.D
Injection Date: 03-Dec-2021 14:08:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

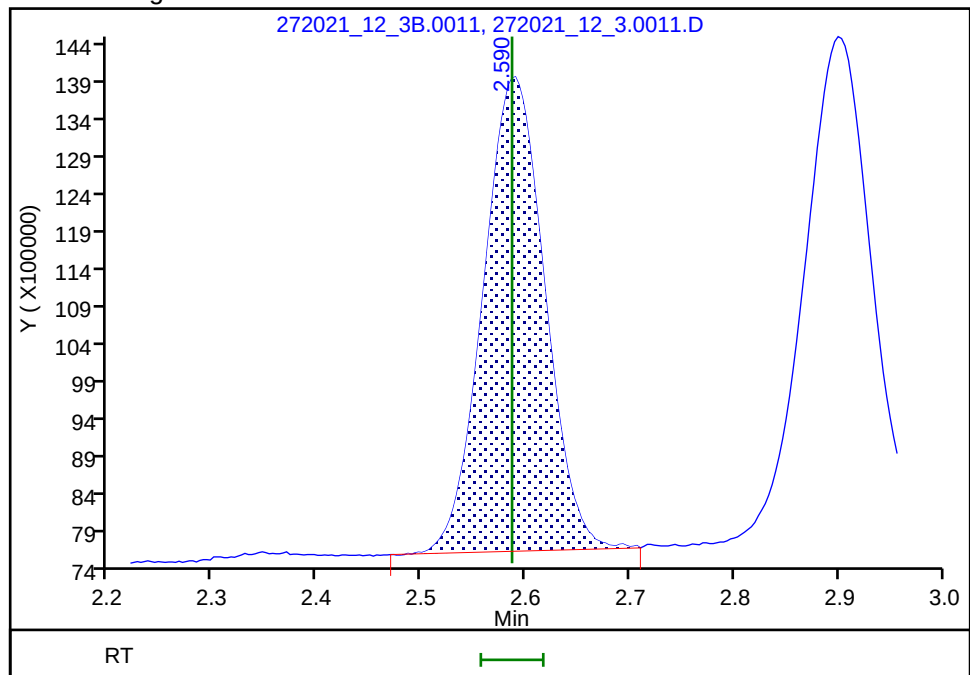
RT: 2.59
Area: 26003126
Amount: 2597.8269
Amount Units: ug/l

Processing Integration Results



RT: 2.59
Area: 25904686
Amount: 2606.4578
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:49:38

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

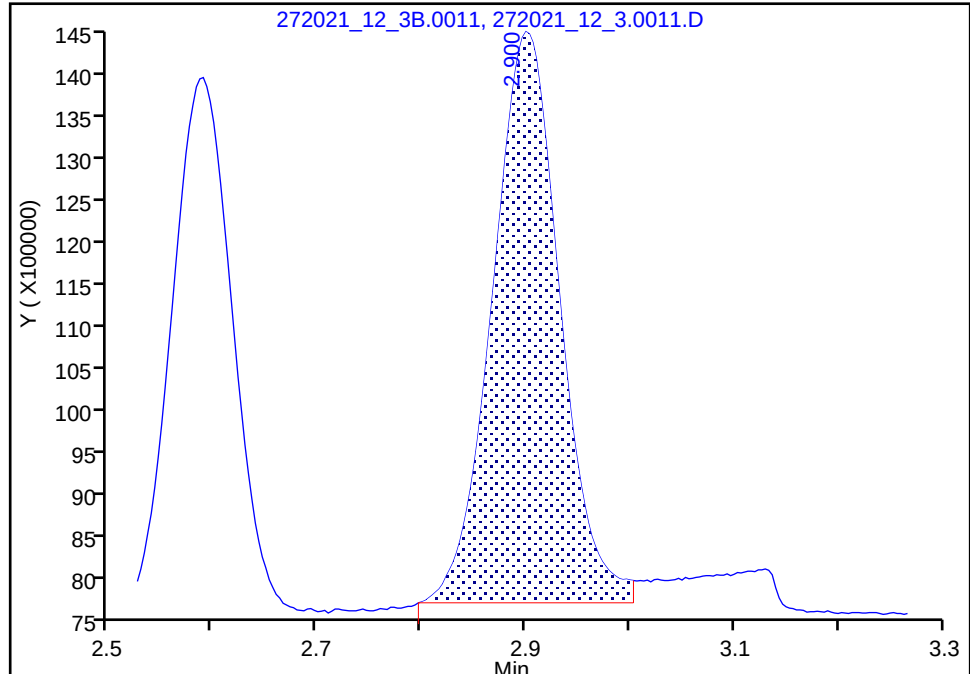
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0011.D
Injection Date: 03-Dec-2021 14:08:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

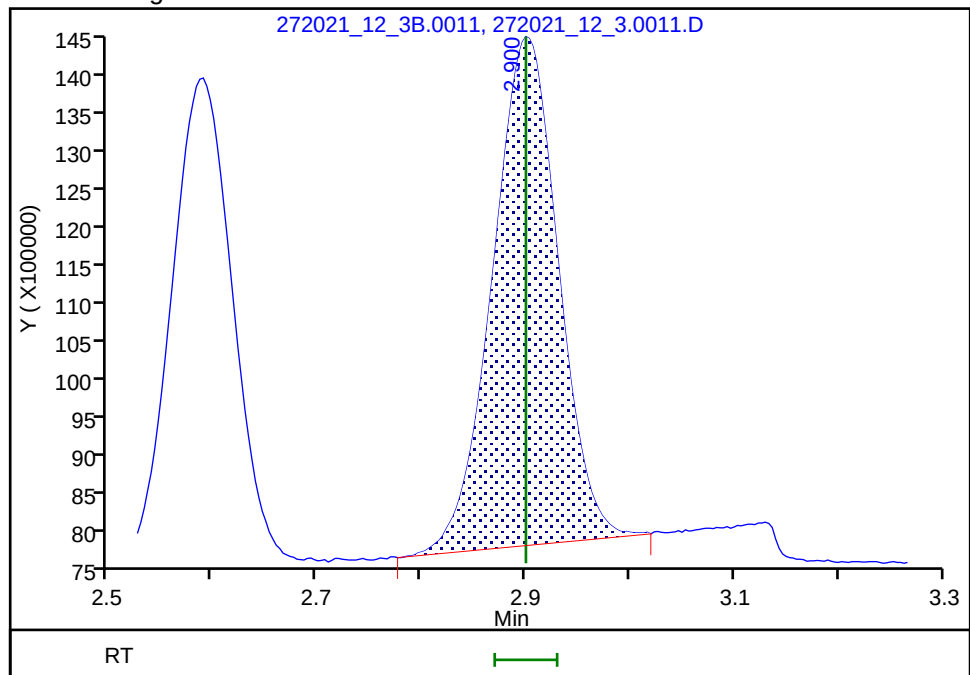
RT: 2.90
Area: 30060421
Amount: 2471.2940
Amount Units: ug/l

Processing Integration Results



RT: 2.90
Area: 28910419
Amount: 2429.8245
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:49:42

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

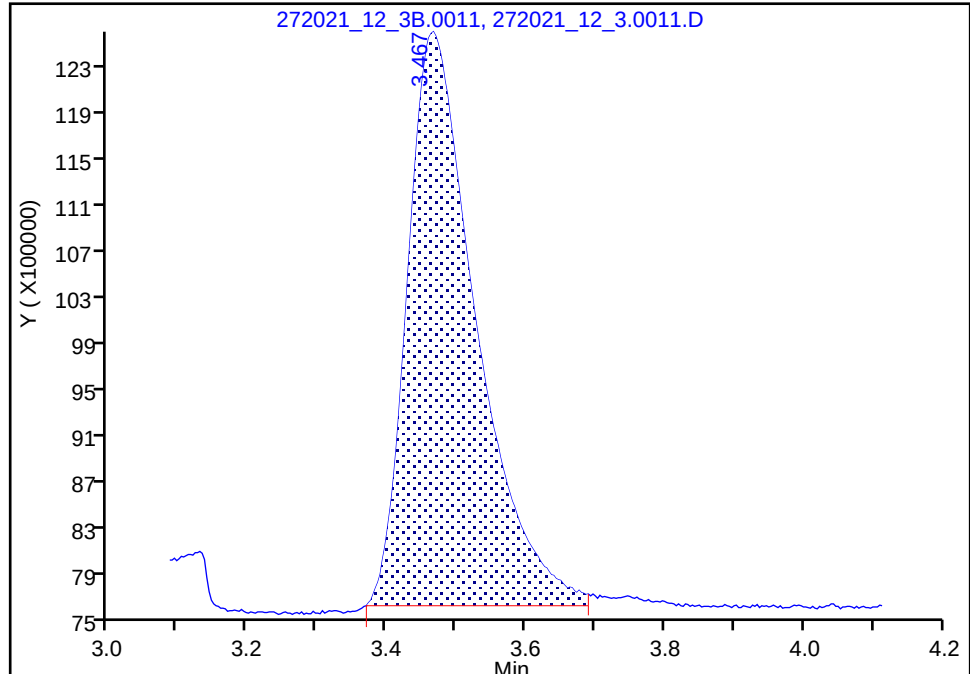
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0011.D
Injection Date: 03-Dec-2021 14:08:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

4 Propanol, CAS: 71-23-8

Signal: 2

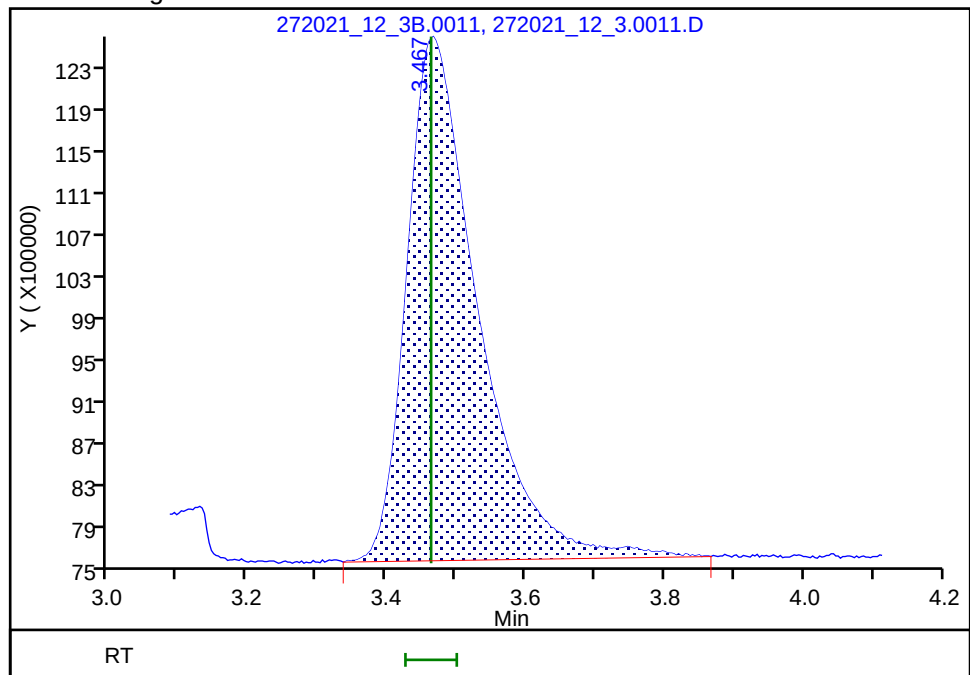
RT: 3.47
Area: 33276048
Amount: 2395.2575
Amount Units: ug/l

Processing Integration Results



RT: 3.47
Area: 34786458
Amount: 2449.6600
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:49:59

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0012.D
 Lims ID: icrt
 Client ID:
 Sample Type: ICRT Calib Level: 3
 Inject. Date: 03-Dec-2021 14:26:00 ALS Bottle#: 0 Worklist Smp#: 8
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: icrt
 Misc. Info.: 410-0045468-008
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:41:33 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 06:38:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							
1	0.337	0.337	0.000	10837498	5014.0	4346.9	M
2	0.723	0.723	0.000	37568751	5014.0	5037.8	
RPD = 14.72							
2 Ethanol							
1	0.437	0.437	0.000	14758334	5002.0	3996.7	M
2	1.640	1.640	0.000	55113023	5002.0	5038.5	M
RPD = 23.06							
3 Isopropyl alcohol							
1	0.540	0.540	0.000	16710936	5010.0	4461.7	M
2	2.900	2.900	0.000	59683856	5010.0	5016.2	M
RPD = 11.70							
4 Propanol							
1	0.727	0.727	0.000	34438016	5069.5	4951.5	M
2	3.463	3.463	0.000	71821888	5069.5	5057.7	M
RPD = 2.12							
\$ 5 Acetone							
1	0.960	0.960	0.000	13283855	5008.0	4181.8	M
2	2.587	2.587	0.000	47070833	5008.0	4736.1	M
RPD = 12.43							
6 Isobutyl alcohol							
1	1.110	1.110	0.000	29592190	5144.2	4570.7	
7 n-Butanol							
1	1.383	1.383	0.000	27087499	5169.0	5119.8	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME3_00026

Amount Added: 1.00

Units: mL

Report Date: 04-Dec-2021 07:41:33

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0012.D

Injection Date: 03-Dec-2021 14:26:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: icrt

Worklist Smp#: 8

Client ID:

Purge Vol: 1.000 uL

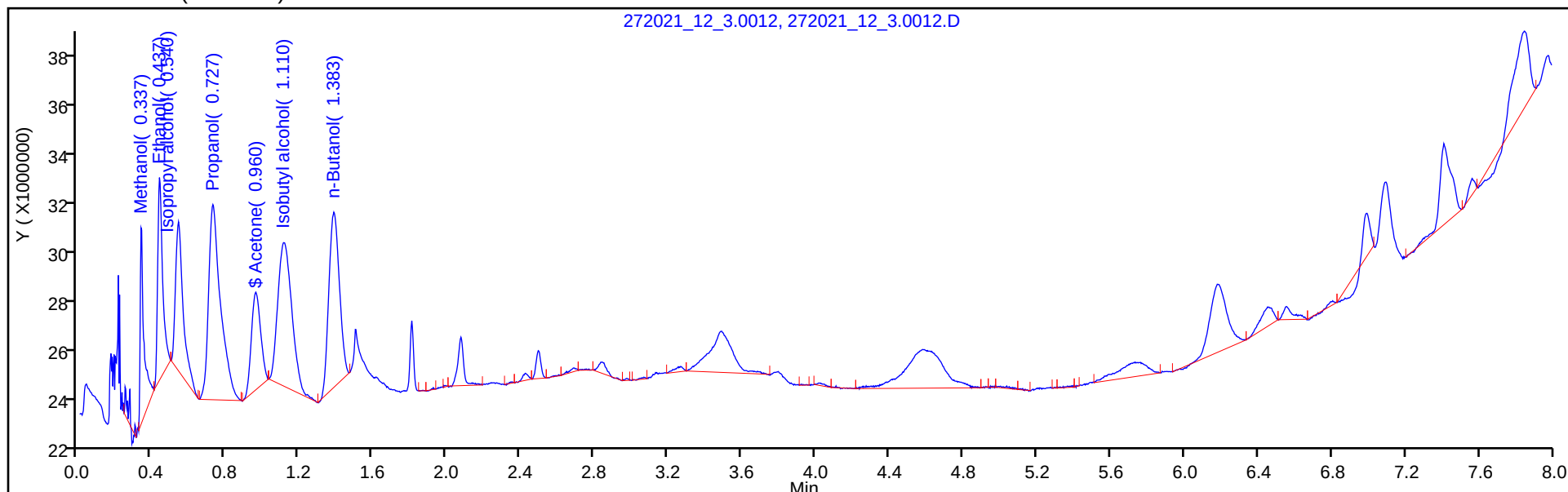
Dil. Factor: 1.0000

ALS Bottle#: 0

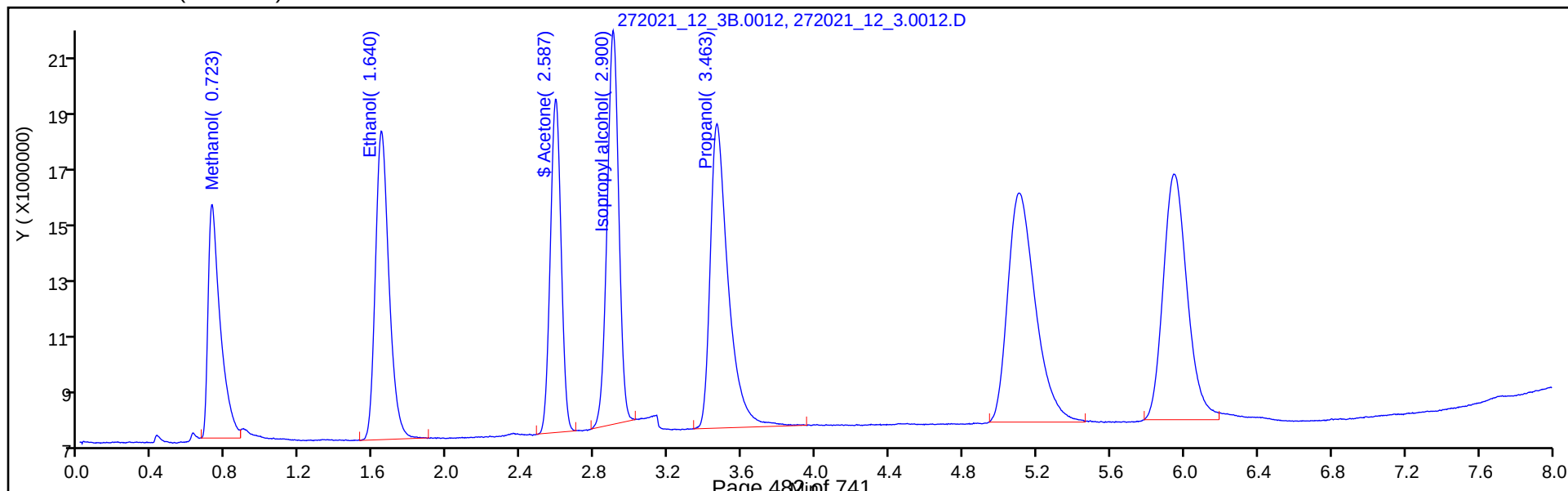
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

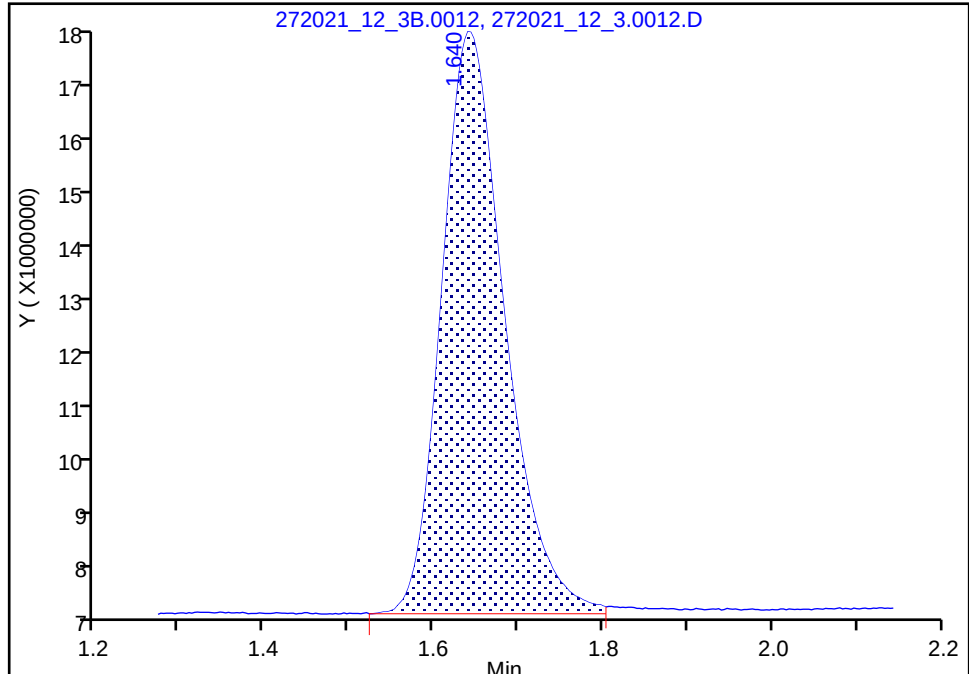
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0012.D
Injection Date: 03-Dec-2021 14:26:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

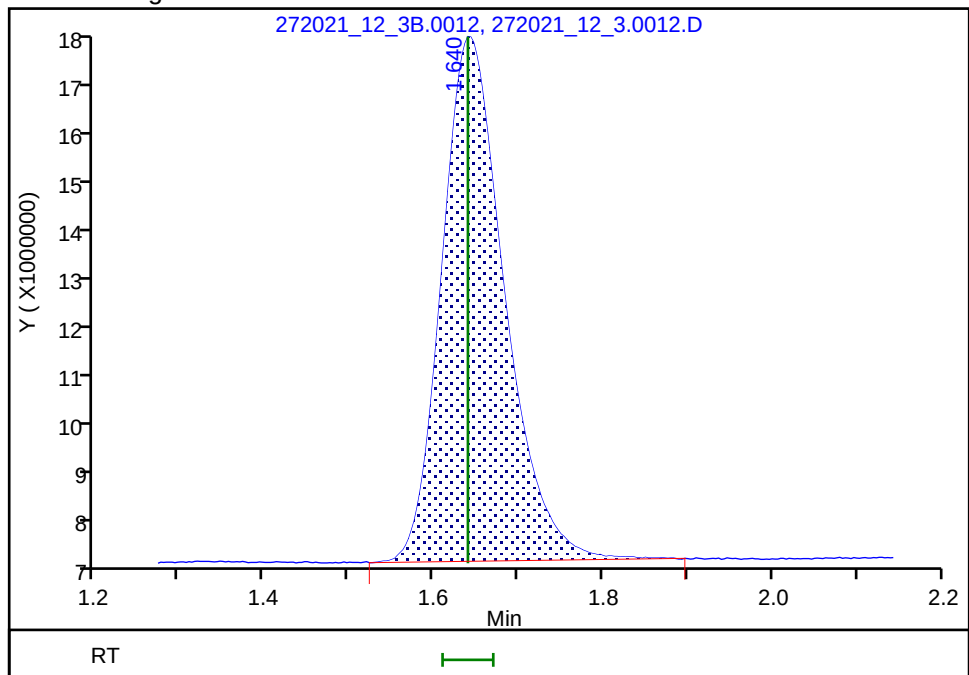
RT: 1.64
Area: 55538538
Amount: 5055.6837
Amount Units: ug/l

Processing Integration Results



RT: 1.64
Area: 55113023
Amount: 5038.4514
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:50:52

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

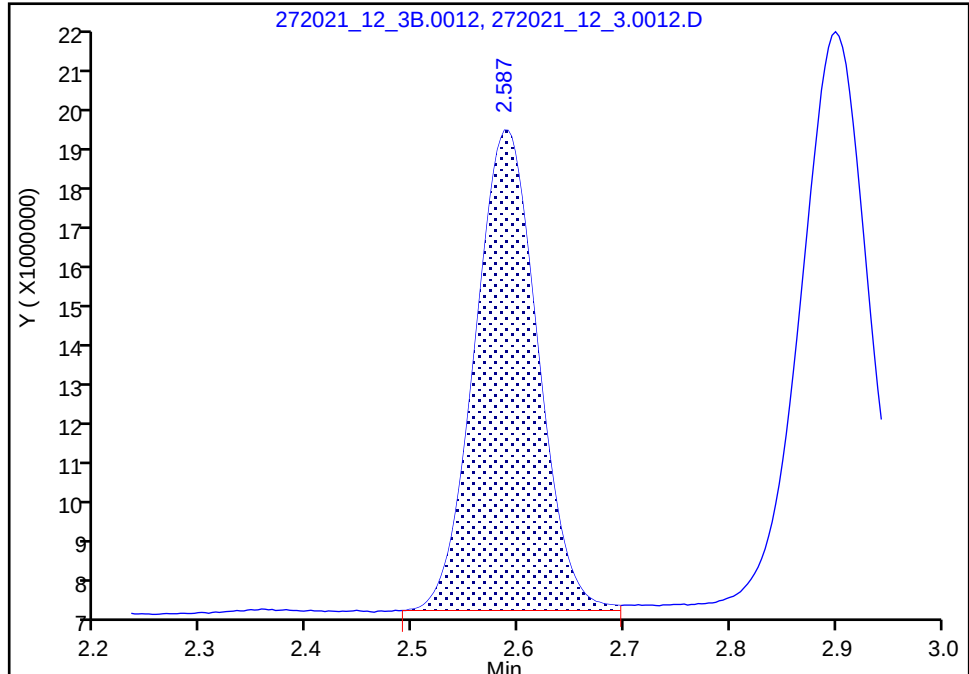
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0012.D
Injection Date: 03-Dec-2021 14:26:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

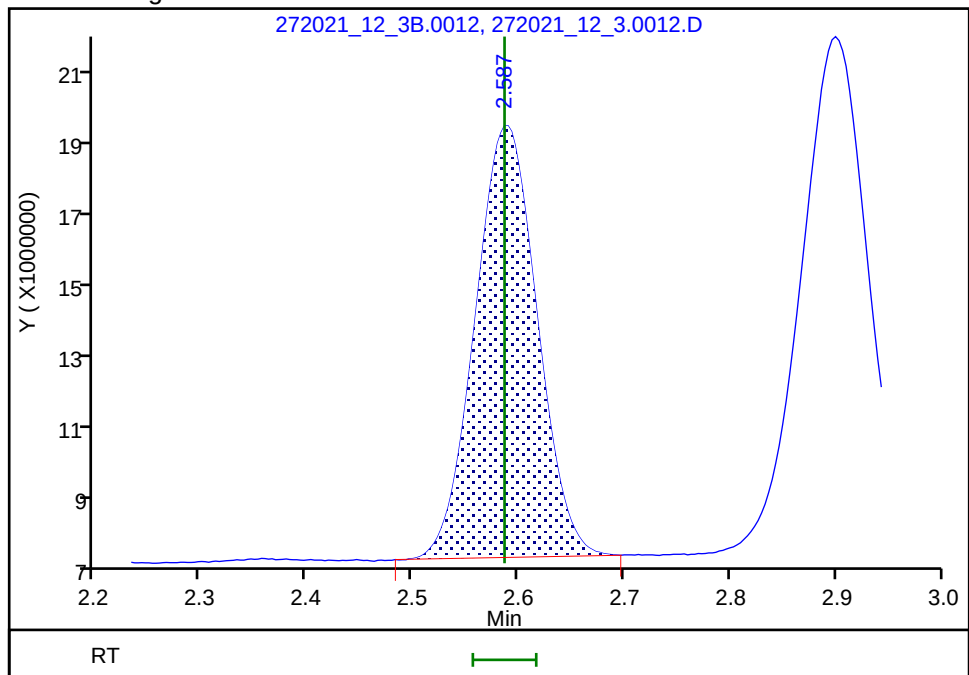
RT: 2.59
Area: 47883339
Amount: 4787.5172
Amount Units: ug/l

Processing Integration Results



RT: 2.59
Area: 47070833
Amount: 4736.1370
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:50:43

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

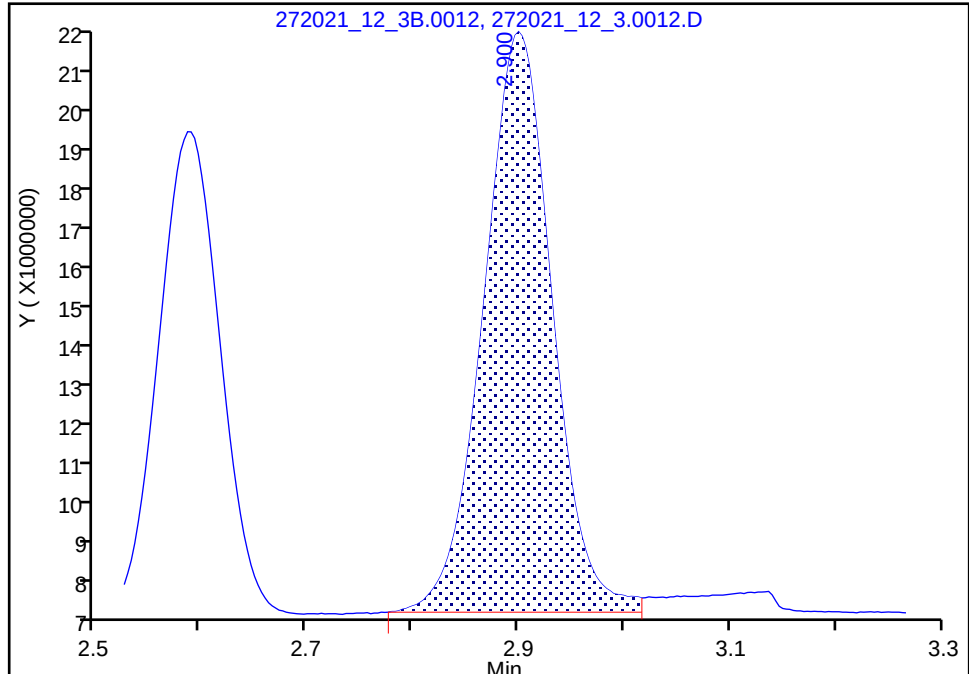
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0012.D
Injection Date: 03-Dec-2021 14:26:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

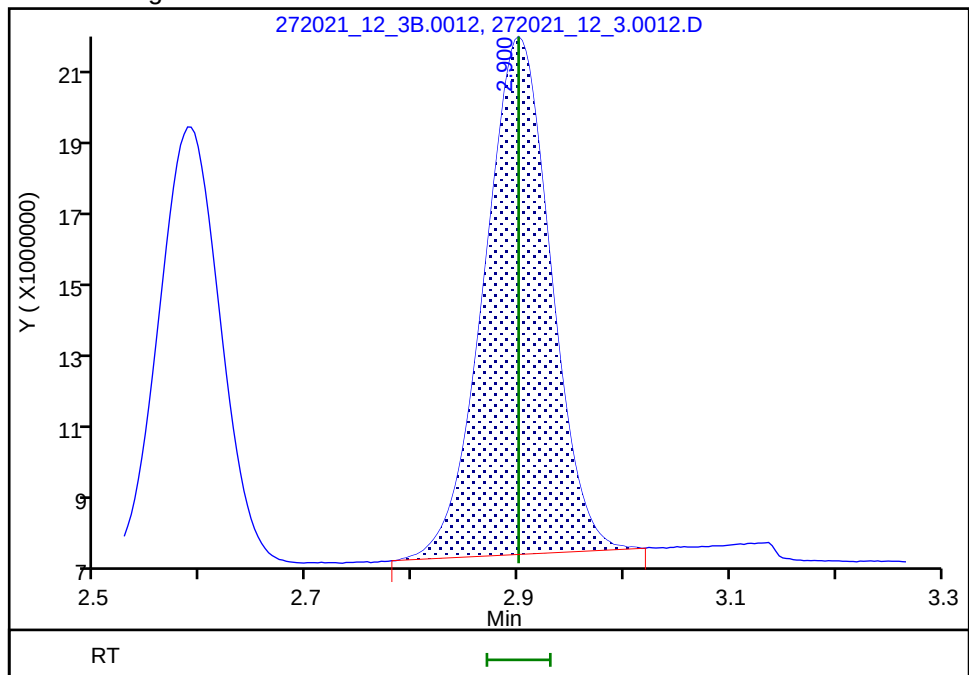
RT: 2.90
Area: 62238544
Amount: 5155.6022
Amount Units: ug/l

Processing Integration Results



RT: 2.90
Area: 59683856
Amount: 5016.2294
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:50:46
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 485 of 741

Eurofins Lancaster Laboratories Env, LLC

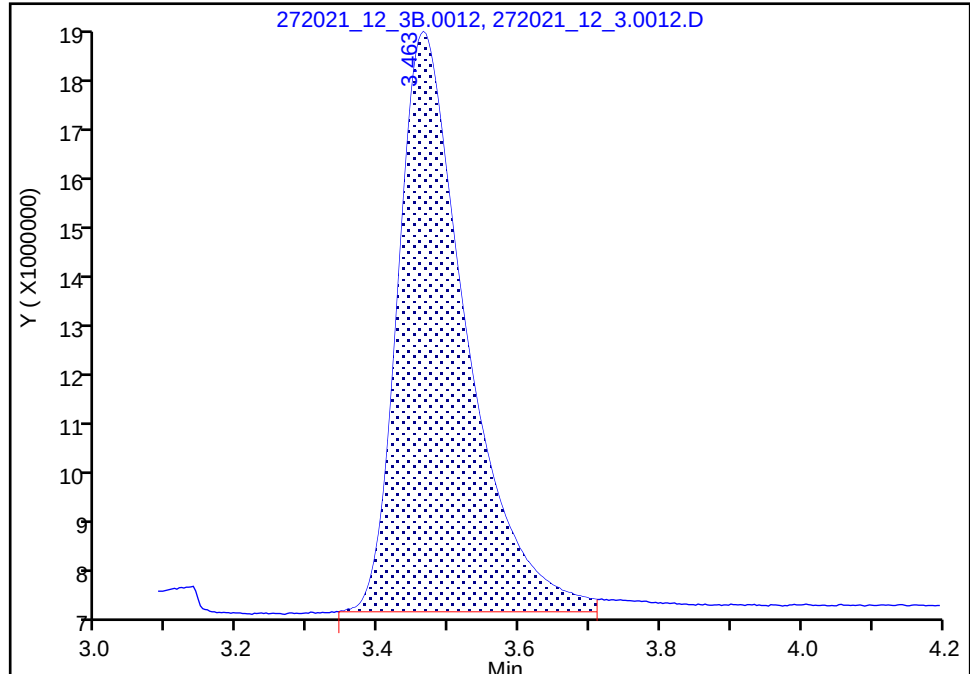
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0012.D
Injection Date: 03-Dec-2021 14:26:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

4 Propanol, CAS: 71-23-8

Signal: 2

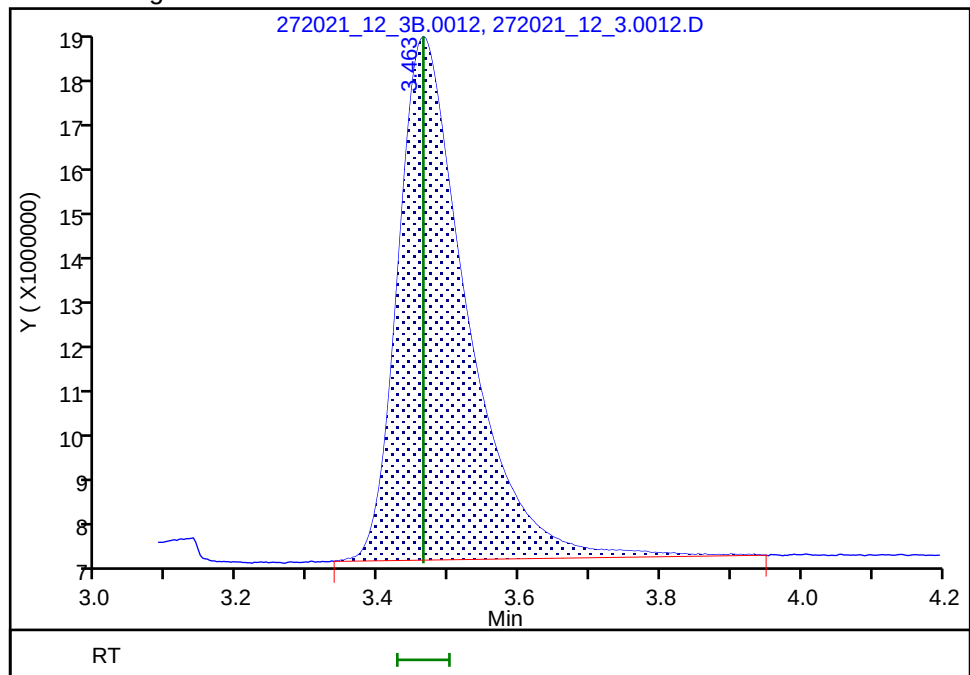
RT: 3.46
Area: 71491668
Amount: 5032.2941
Amount Units: ug/l

Processing Integration Results



RT: 3.46
Area: 71821888
Amount: 5057.6925
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:50:58

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0013.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 03-Dec-2021 14:45:00 ALS Bottle#: 0 Worklist Smp#: 9
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045468-009
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:41:34 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 06:54:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.337	0.337	0.000	26045836	10028	10447	M
2	0.717	0.723	-0.006	76316665	10028	10234	
RPD = 2.06							
2 Ethanol							M
1	0.433	0.437	-0.004	35915626	10004	9726.2	M
2	1.637	1.640	-0.003	111838024	10004	10224	M
RPD = 4.99							
3 Isopropyl alcohol							M
1	0.537	0.540	-0.003	39633336	10020	10582	M
2	2.897	2.900	-0.003	121832818	10020	10240	M
RPD = 3.29							
4 Propanol							M
1	0.720	0.727	-0.007	63936461	10139	10163	M
2	3.460	3.463	-0.003	145737509	10139	10263	M
RPD = 0.97							
\$ 5 Acetone							M
1	0.957	0.960	-0.003	31570832	10016	9938.5	M
2	2.587	2.587	0.000	96992709	10016	9759.1	M
RPD = 1.82							
6 Isobutyl alcohol							M
1	1.107	1.110	-0.003	62380210	10288	9634.9	M
7 n-Butanol							
1	1.377	1.383	-0.007	61750526	10338	11671	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME4_00008

Amount Added: 1.00

Units: mL

Report Date: 04-Dec-2021 07:41:34

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0013.D

Injection Date: 03-Dec-2021 14:45:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 9

Client ID:

Purge Vol: 1.000 uL

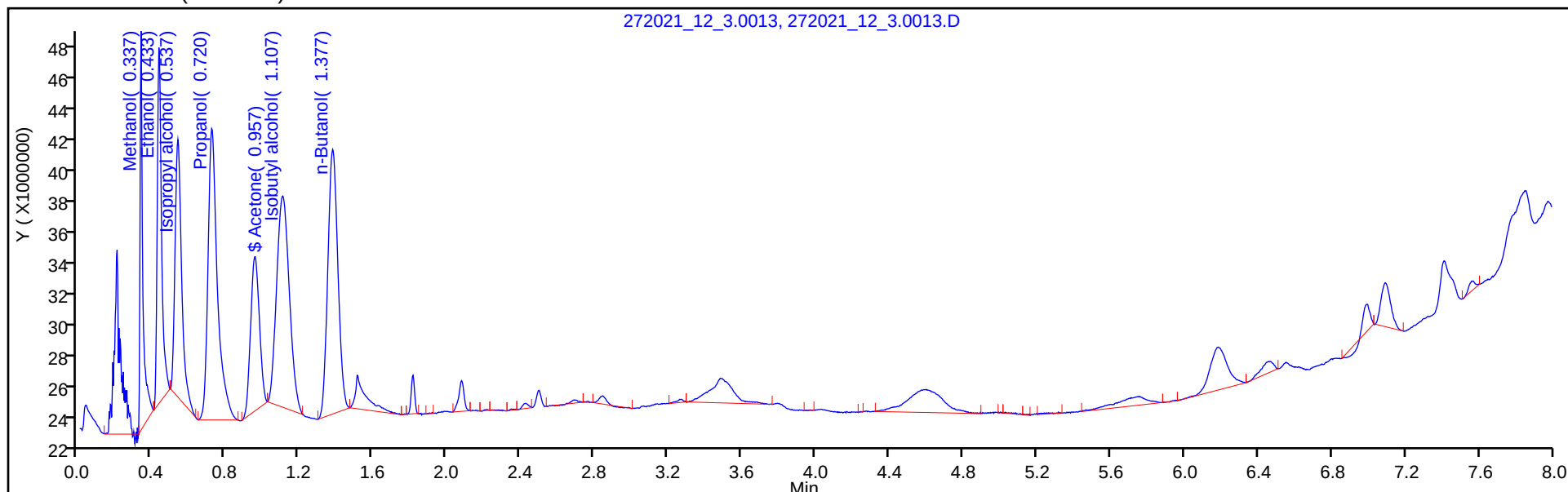
Dil. Factor: 1.0000

ALS Bottle#: 0

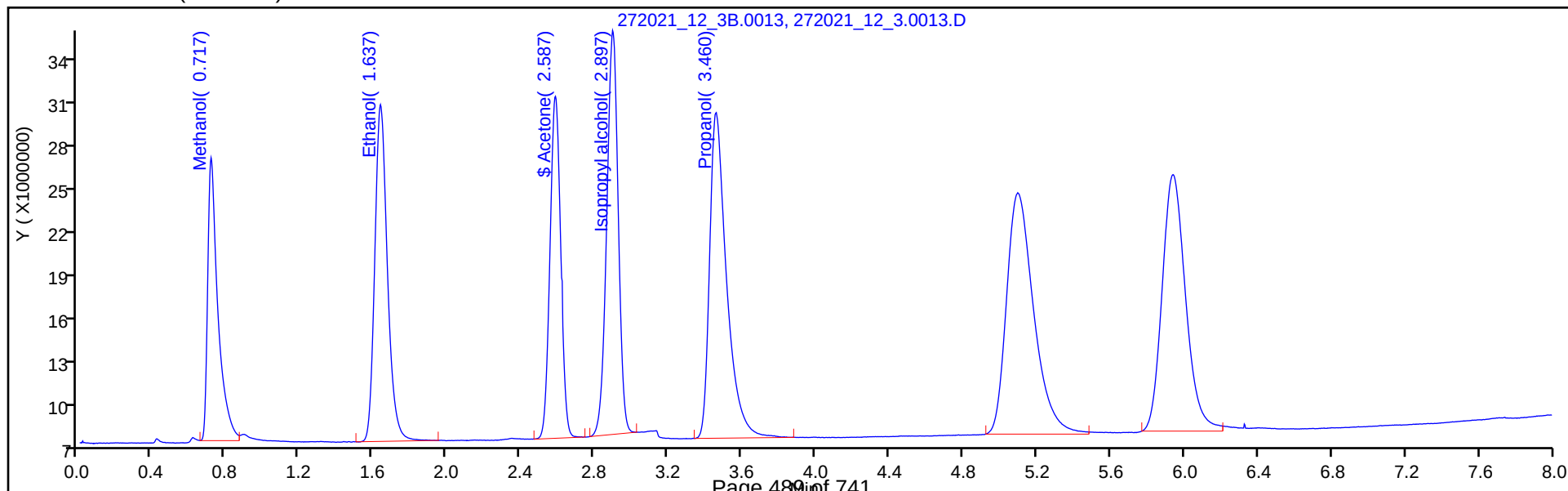
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

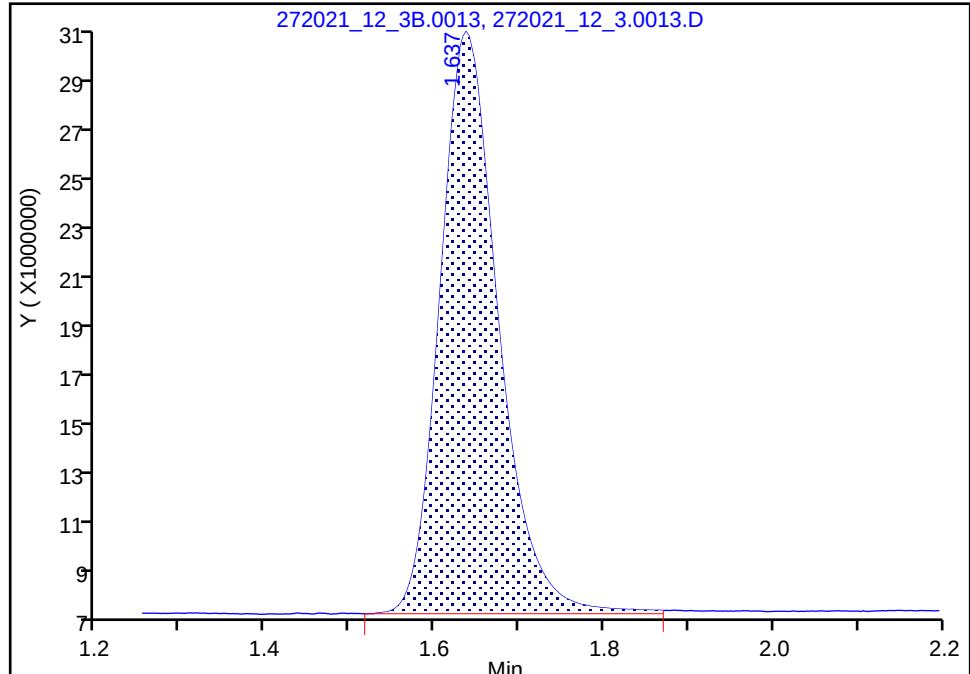
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0013.D
Injection Date: 03-Dec-2021 14:45:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

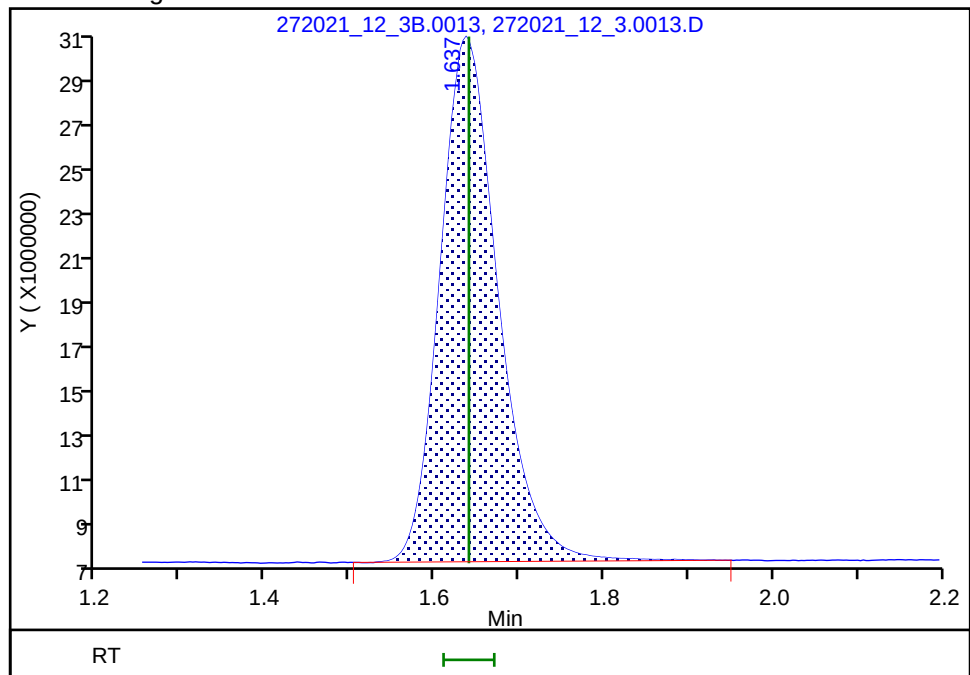
RT: 1.64
Area: 112877080
Amount: 10291
Amount Units: ug/l

Processing Integration Results



RT: 1.64
Area: 111838024
Amount: 10224
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:54:06
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
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Eurofins Lancaster Laboratories Env, LLC

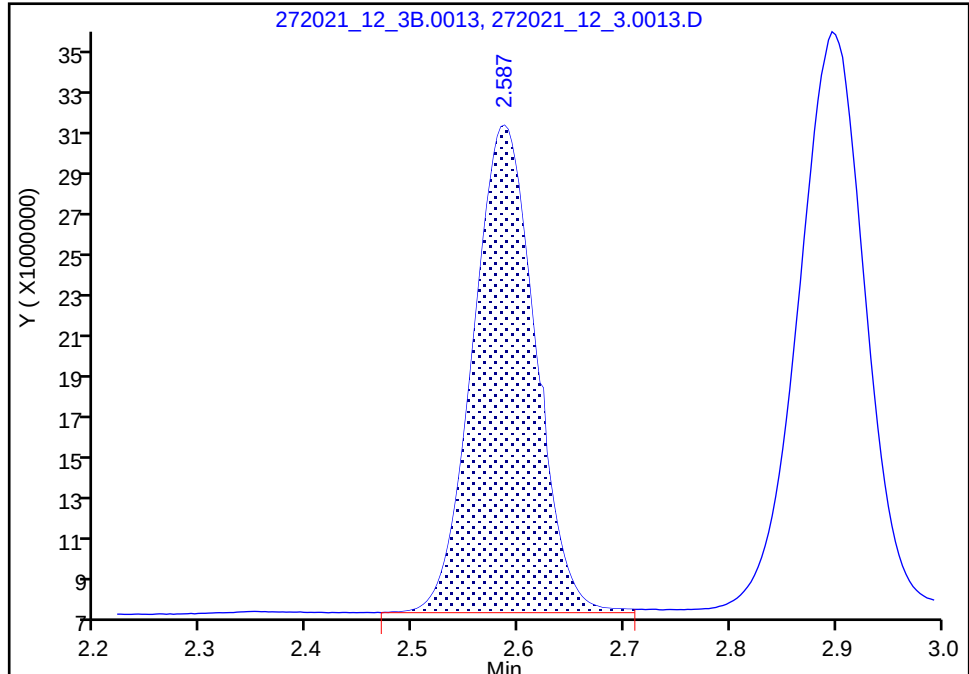
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0013.D
Injection Date: 03-Dec-2021 14:45:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

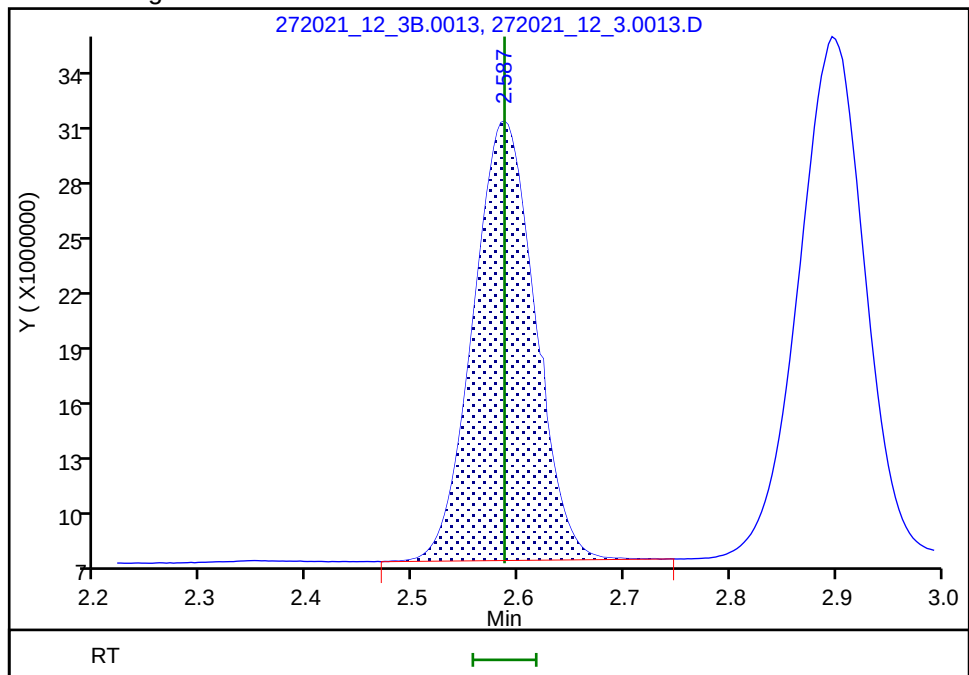
RT: 2.59
Area: 97919794
Amount: 9822.1752
Amount Units: ug/l

Processing Integration Results



RT: 2.59
Area: 96992709
Amount: 9759.1380
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:54:09

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

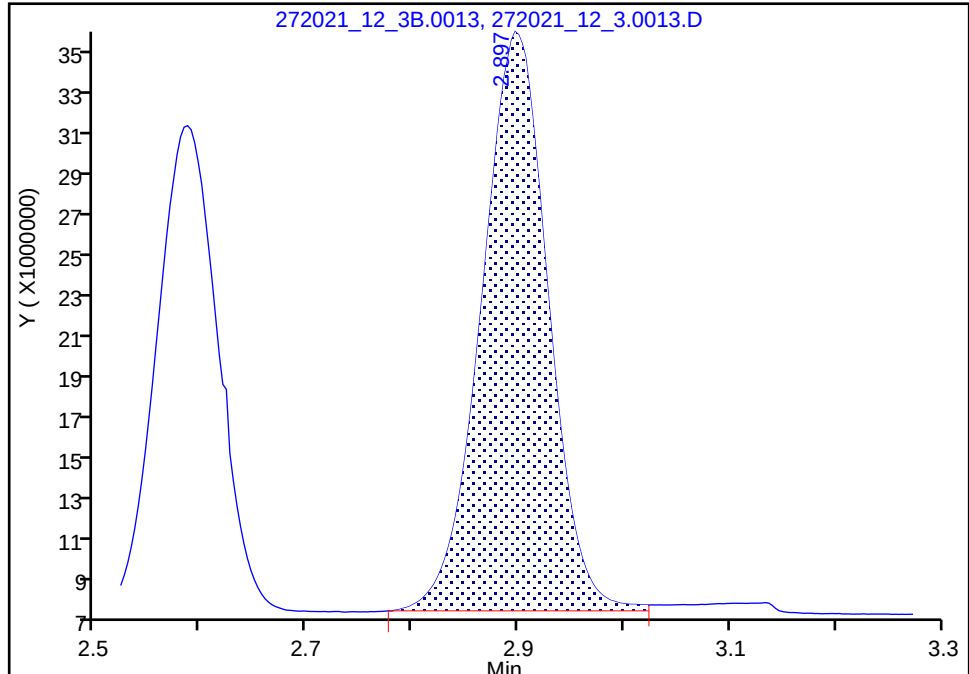
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0013.D
Injection Date: 03-Dec-2021 14:45:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

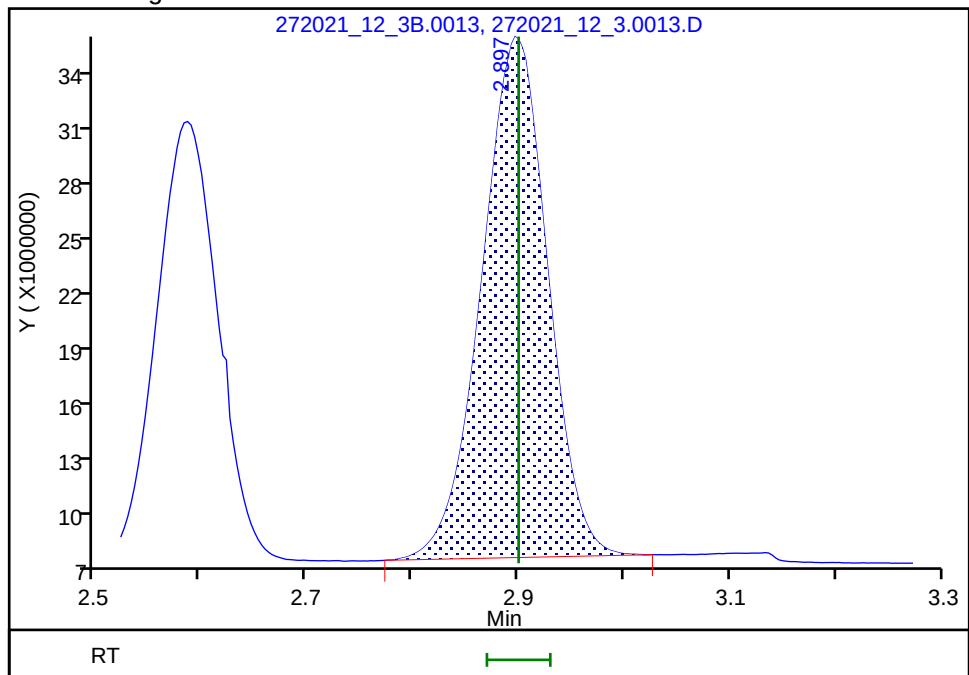
RT: 2.90
Area: 123903125
Amount: 10351
Amount Units: ug/l

Processing Integration Results



RT: 2.90
Area: 121832818
Amount: 10240
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:54:12

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

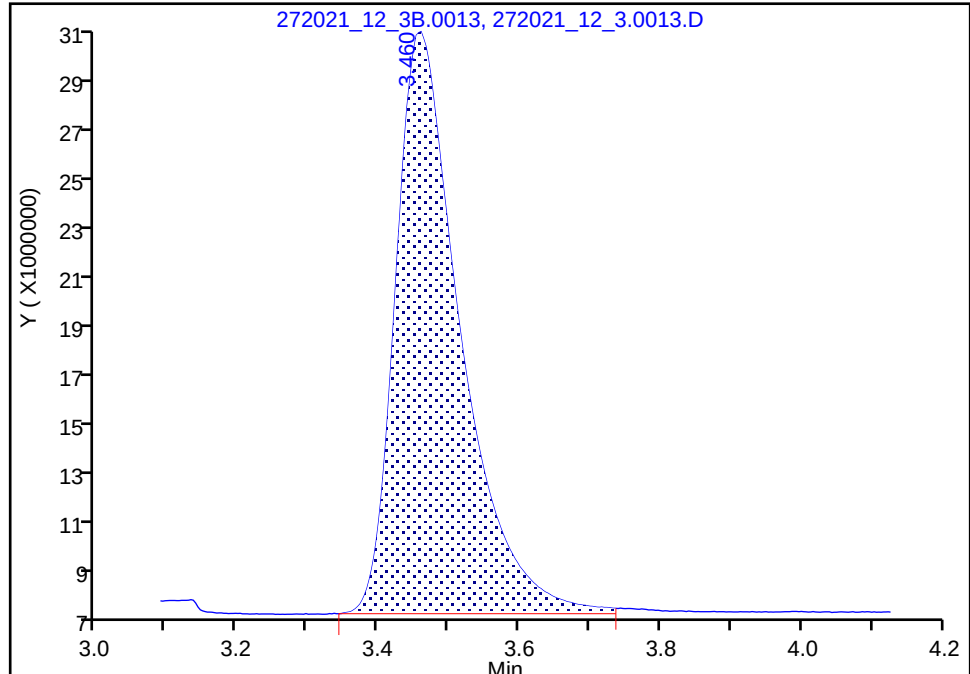
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0013.D
Injection Date: 03-Dec-2021 14:45:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

4 Propanol, CAS: 71-23-8

Signal: 2

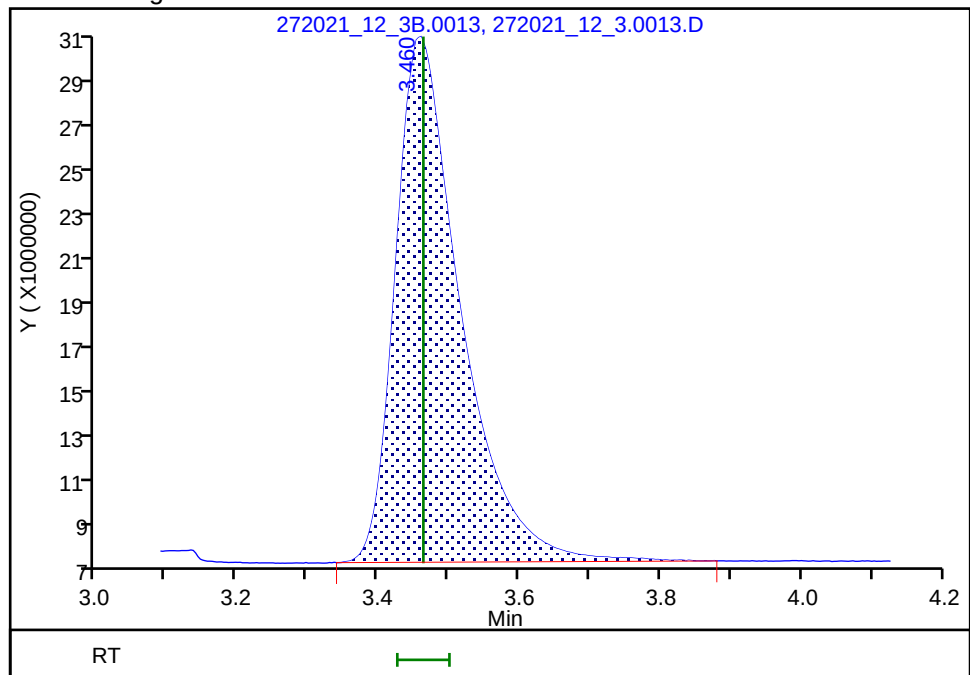
RT: 3.46
Area: 145820846
Amount: 10255
Amount Units: ug/l

Processing Integration Results



RT: 3.46
Area: 145737509
Amount: 10263
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:54:15

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 03-Dec-2021 15:04:00 ALS Bottle#: 0 Worklist Smp#: 10
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045468-010
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:41:35 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 06:46:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.337	0.337	0.000	61599481	20056	24708	M
2	0.720	0.723	-0.003	155265624	20056	20820	
RPD = 17.08							
2 Ethanol							M
1	0.433	0.437	-0.004	86711463	20008	23482	M
2	1.640	1.640	0.000	222395316	20008	20331	M
RPD = 14.38							
3 Isopropyl alcohol							M
1	0.533	0.540	-0.007	92068757	20040	24582	M
2	2.900	2.900	0.000	243302093	20040	20449	M
RPD = 18.36							
4 Propanol							M
1	0.717	0.727	-0.010	121254694	20278	20291	M
2	3.457	3.463	-0.006	291063554	20278	20497	M
RPD = 1.01							
\$ 5 Acetone							M
1	0.950	0.960	-0.010	72128653	20032	22706	
2	2.587	2.587	0.000	198595321	20032	19982	M
RPD = 12.76							
6 Isobutyl alcohol							M
1	1.100	1.110	-0.010	131623446	20577	20330	M
7 n-Butanol							
1	1.373	1.383	-0.010	126833861	20676	23973	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME5_00008

Amount Added: 1.00

Units: ml

Report Date: 04-Dec-2021 07:41:35

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D

Injection Date: 03-Dec-2021 15:04:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 10

Client ID:

Purge Vol: 1.000 uL

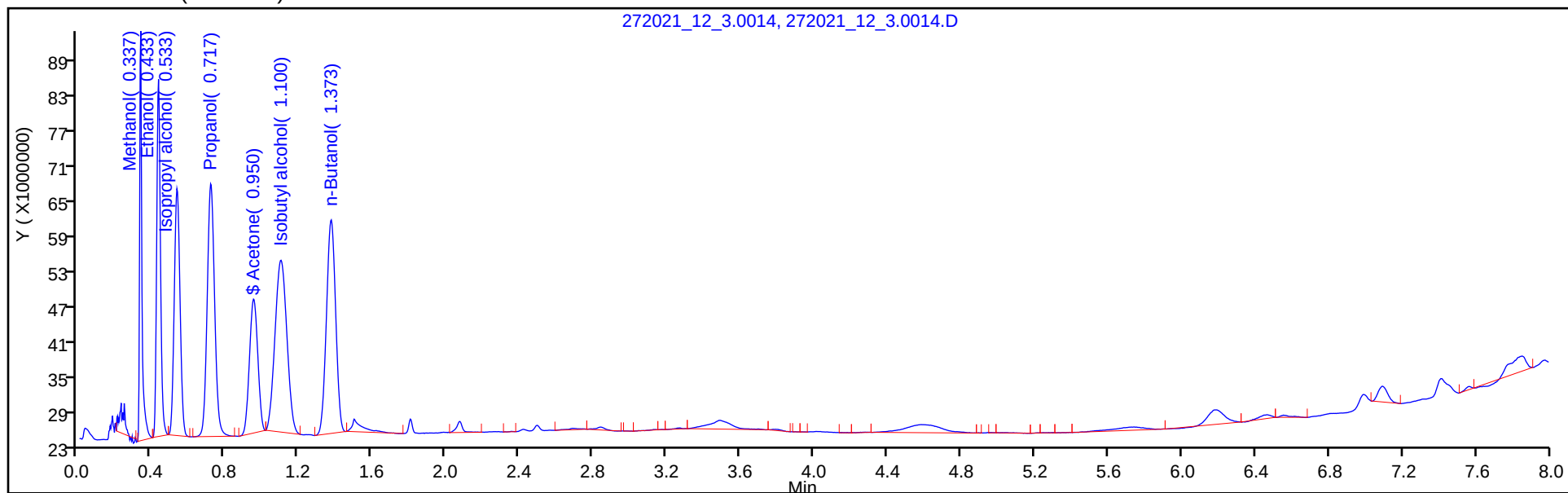
Dil. Factor: 1.0000

ALS Bottle#: 0

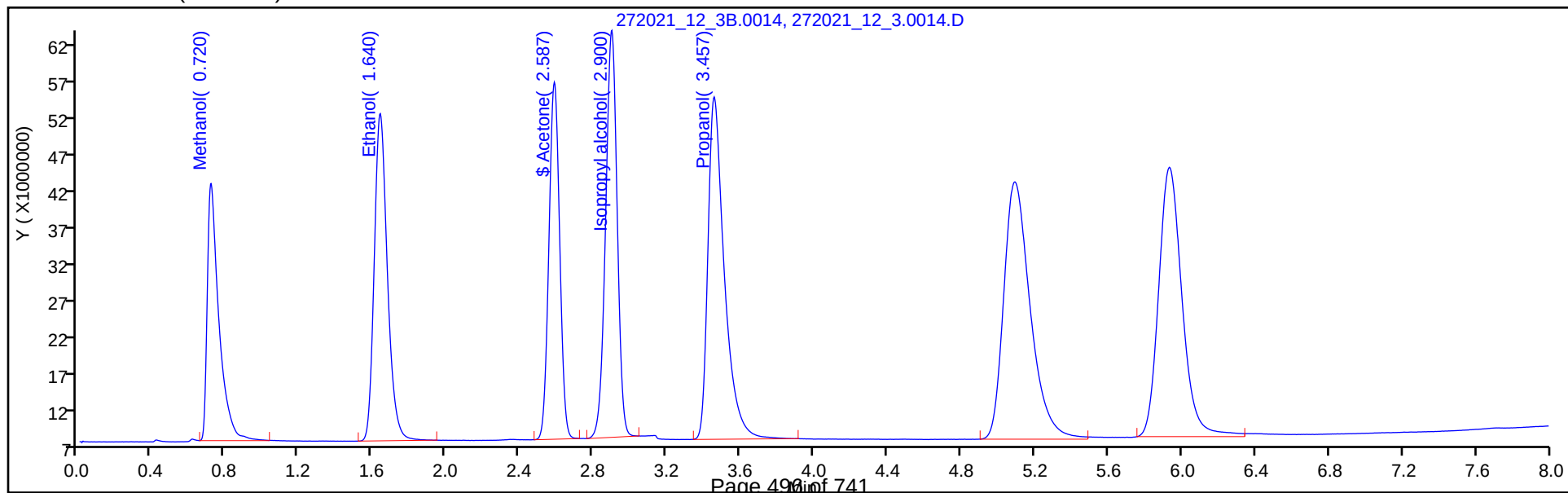
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

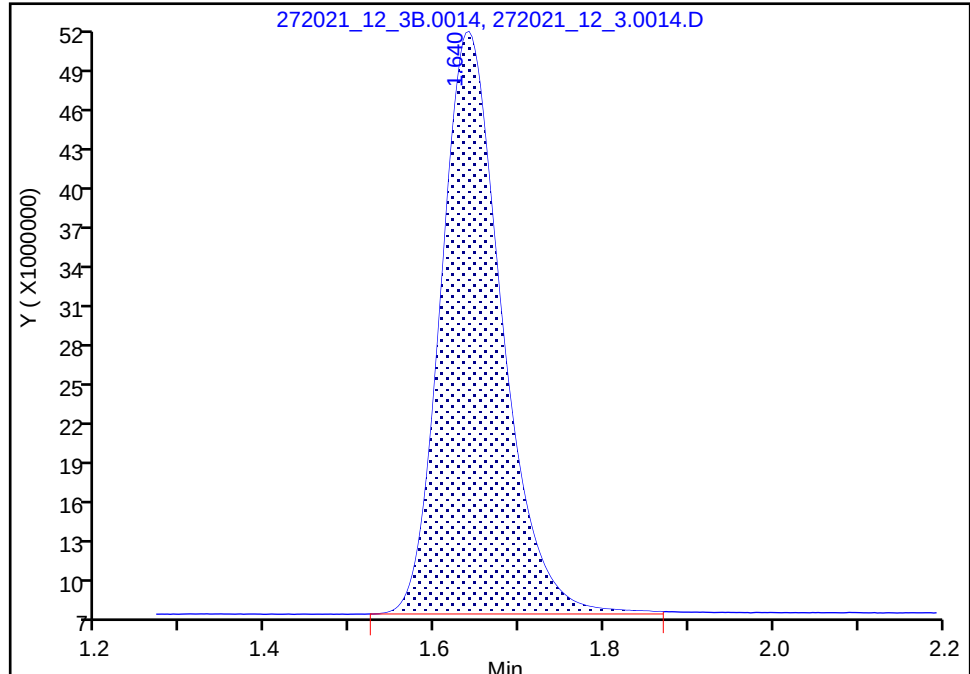
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
Injection Date: 03-Dec-2021 15:04:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

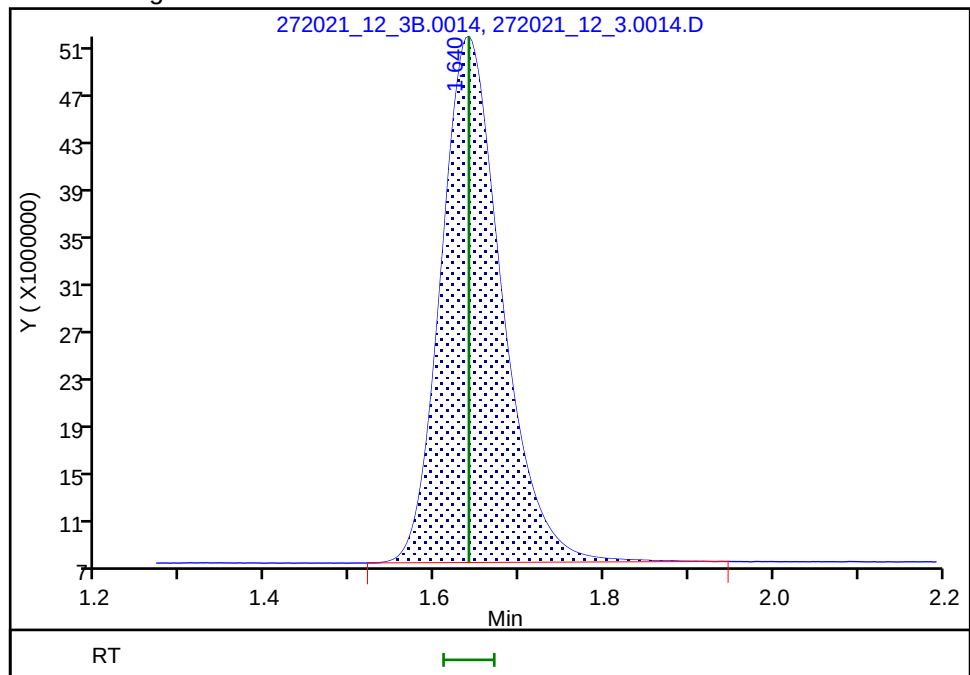
RT: 1.64
Area: 223305216
Amount: 20398
Amount Units: ug/l

Processing Integration Results



RT: 1.64
Area: 222395316
Amount: 20331
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:55:20

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

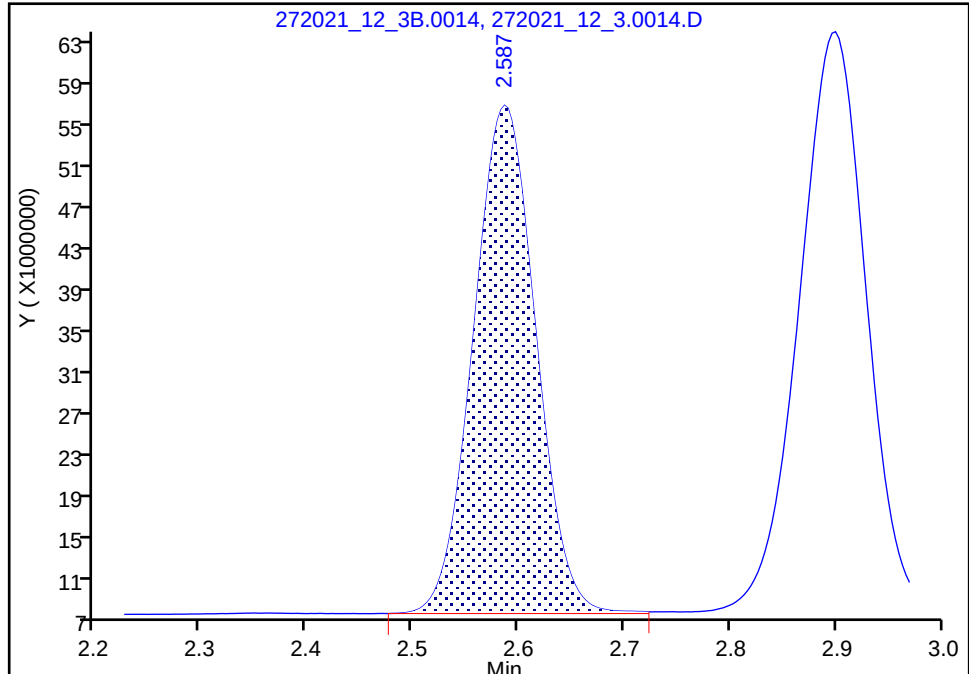
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
Injection Date: 03-Dec-2021 15:04:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

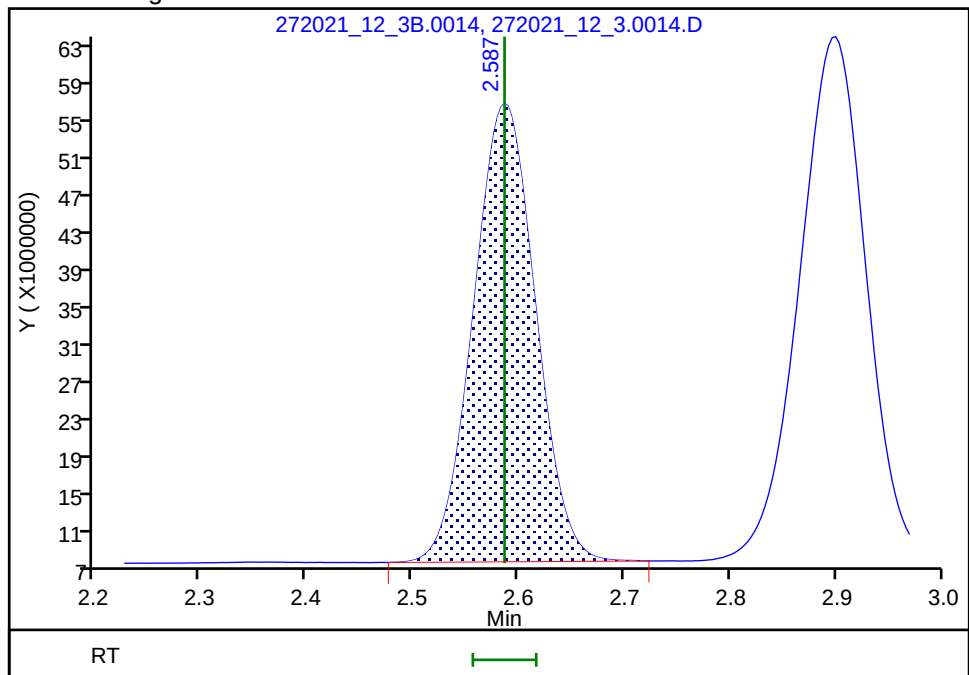
RT: 2.59
Area: 199806264
Amount: 20080
Amount Units: ug/l

Processing Integration Results



RT: 2.59
Area: 198595321
Amount: 19982
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:55:13

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

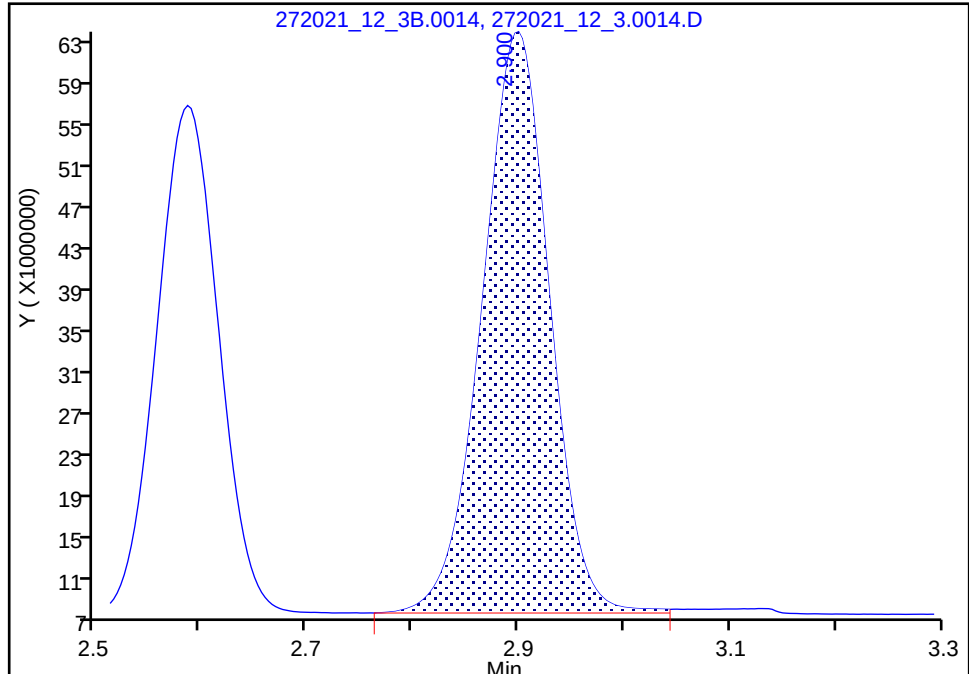
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
Injection Date: 03-Dec-2021 15:04:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

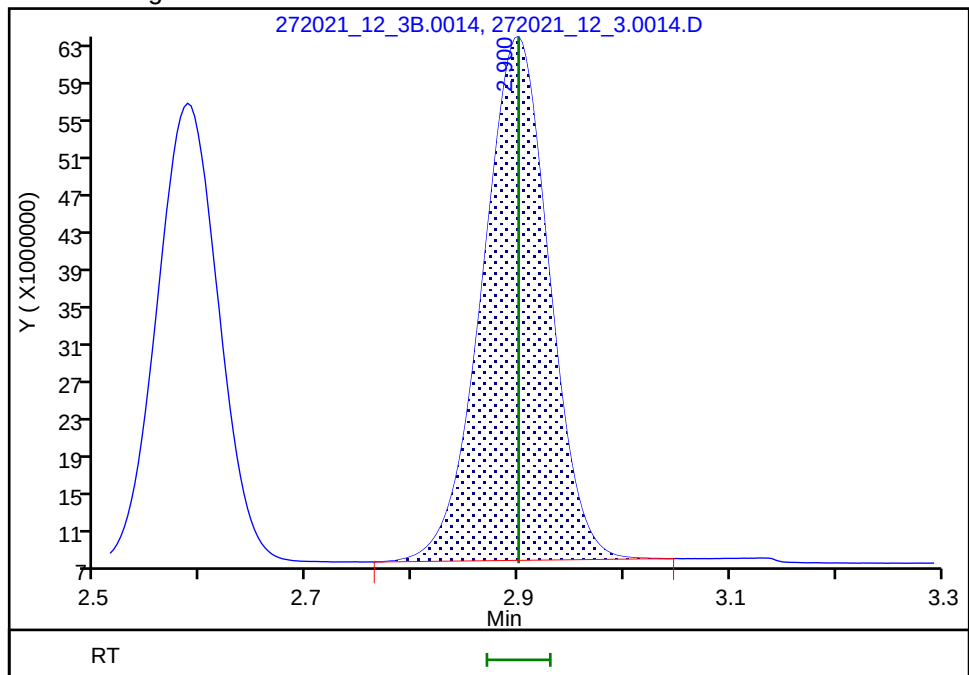
RT: 2.90
Area: 246364598
Amount: 20653
Amount Units: ug/l

Processing Integration Results



RT: 2.90
Area: 243302093
Amount: 20449
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:55:10

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

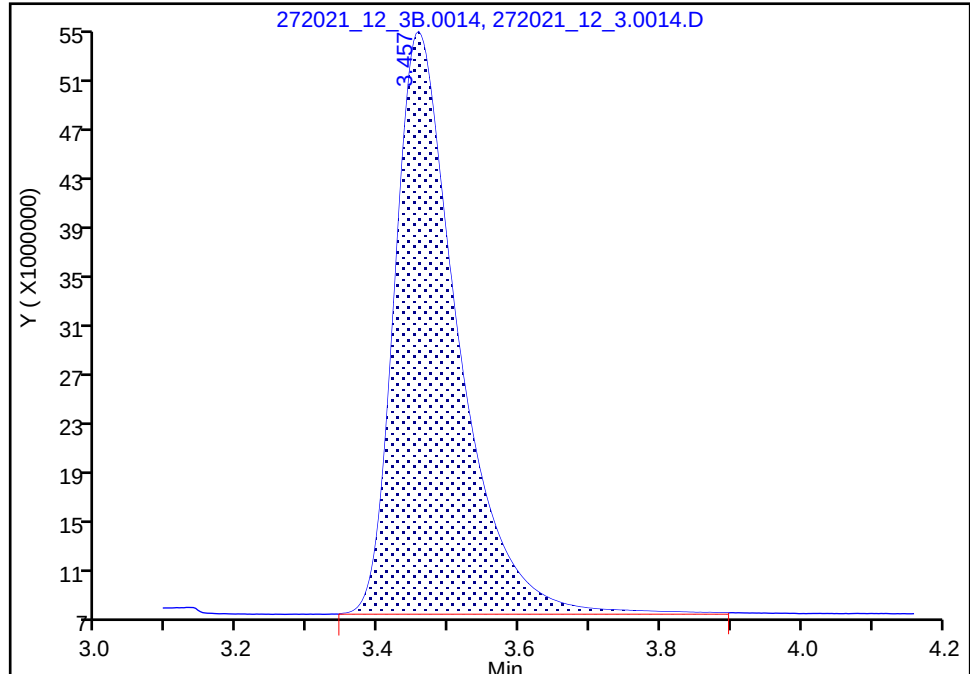
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
Injection Date: 03-Dec-2021 15:04:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

4 Propanol, CAS: 71-23-8

Signal: 2

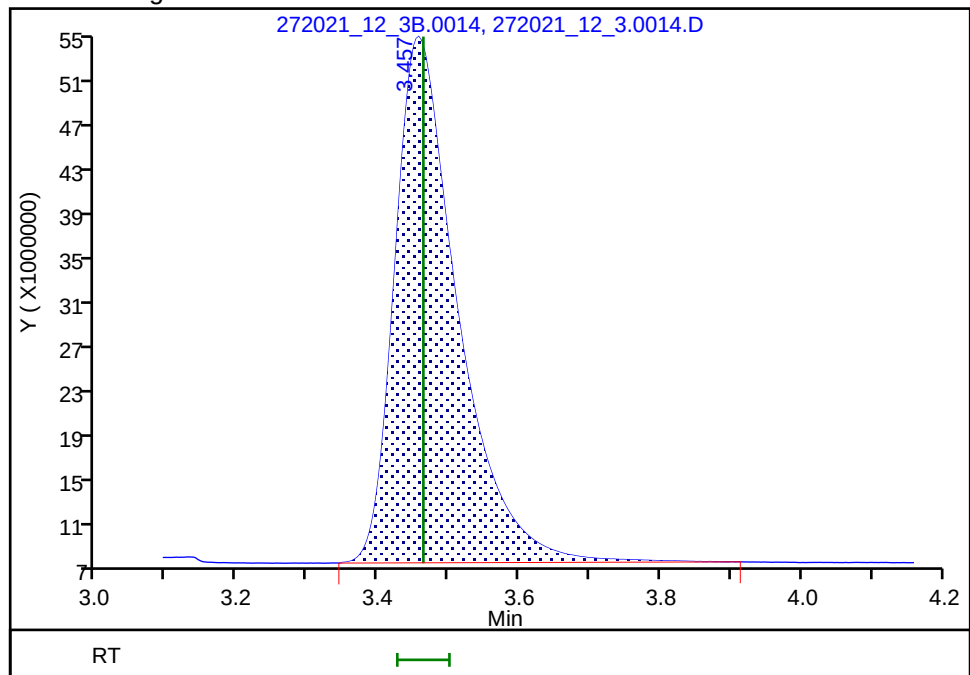
RT: 3.46
Area: 292831262
Amount: 20596
Amount Units: ug/l

Processing Integration Results



RT: 3.46
Area: 291063554
Amount: 20497
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 06:55:28

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Calibration

/ Methanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

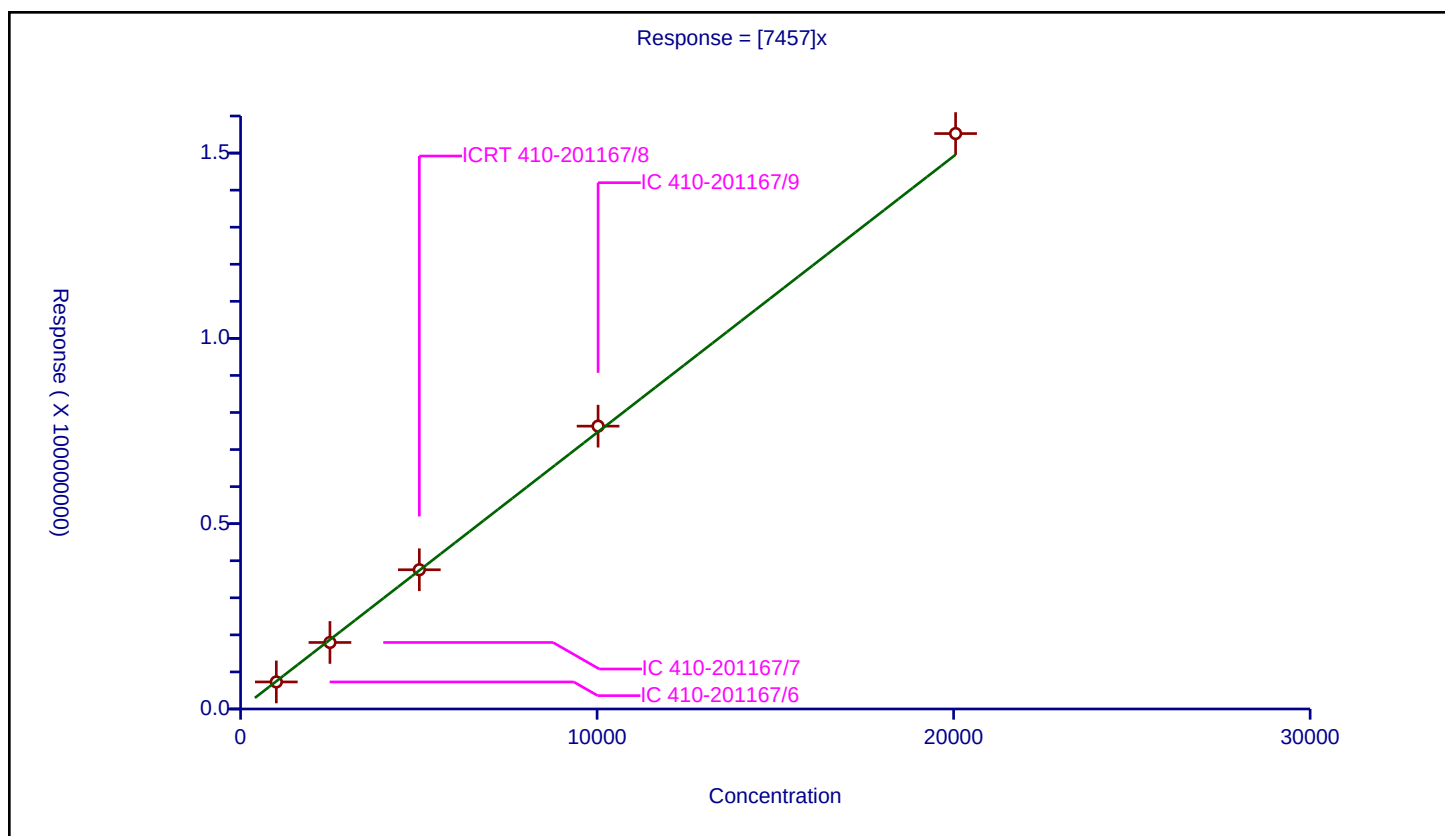
Curve Coefficients

Intercept: 0
 Slope: 7457

Error Coefficients

Standard Error: 2980000
 Relative Standard Error: 3.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-201167/6	1002.8	7302087.0			7281.698245	Y
2	IC 410-201167/7	2507.0	17951043.0			7160.368169	Y
3	ICRT 410-201167/8	5014.0	37568751.0			7492.770443	Y
4	IC 410-201167/9	10028.0	76316665.0			7610.357499	Y
5	IC 410-201167/10	20056.0	155265624.0			7741.604707	Y



Calibration

/ Ethanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ESTD
Response Base: AREA
RF Rounding: 0

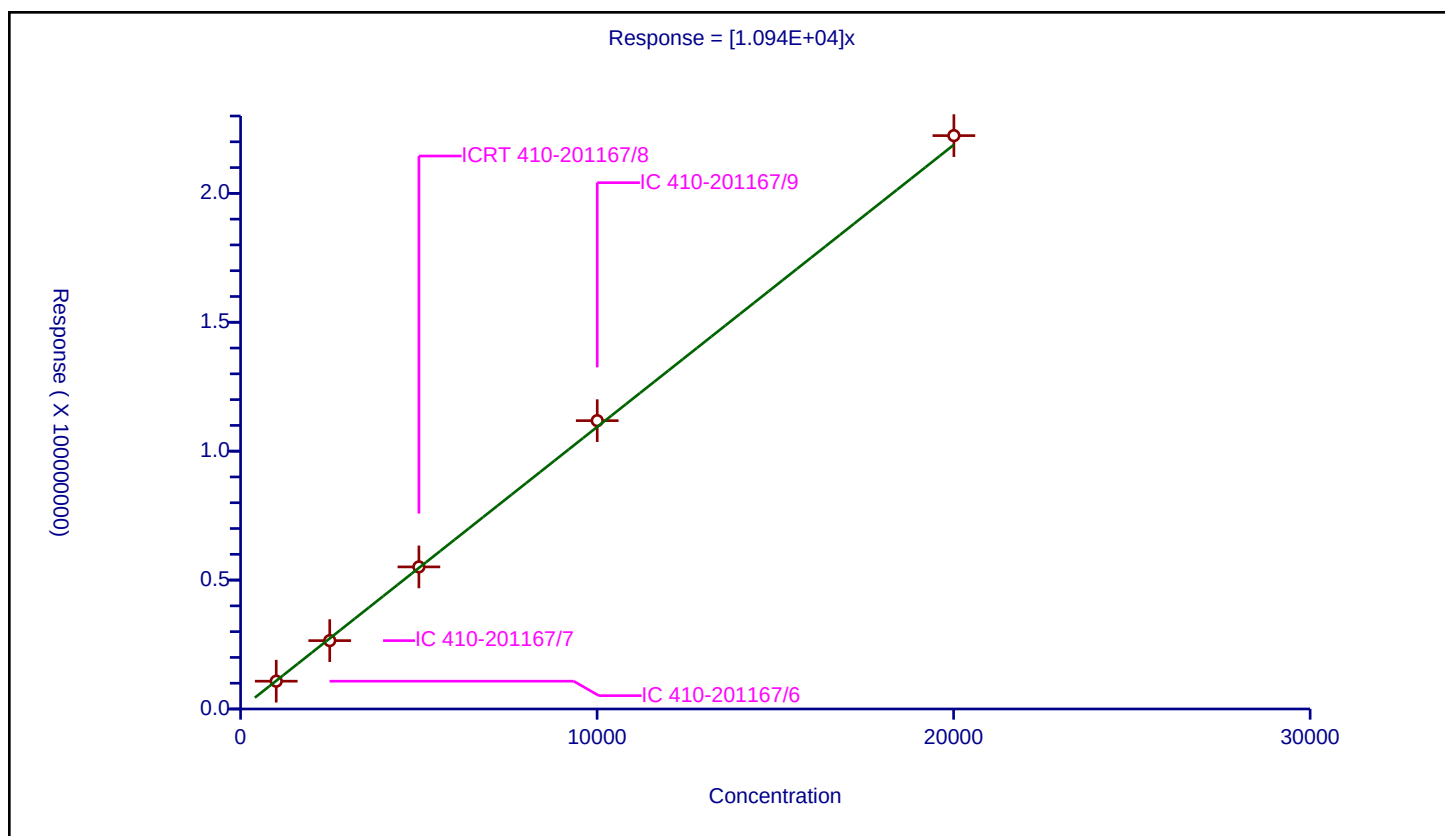
Curve Coefficients

Intercept: 0
Slope: 1.094E+04

Error Coefficients

Standard Error: 2190000
Relative Standard Error: 2.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-201167/6	1000.4	10780213.0			10775.902639	Y
2	IC 410-201167/7	2501.0	26519785.0			10603.672531	Y
3	ICRT 410-201167/8	5002.0	55113023.0			11018.197321	Y
4	IC 410-201167/9	10004.0	111838024.0			11179.330668	Y
5	IC 410-201167/10	20008.0	222395316.0			11115.319672	Y



Calibration

/ Acetone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

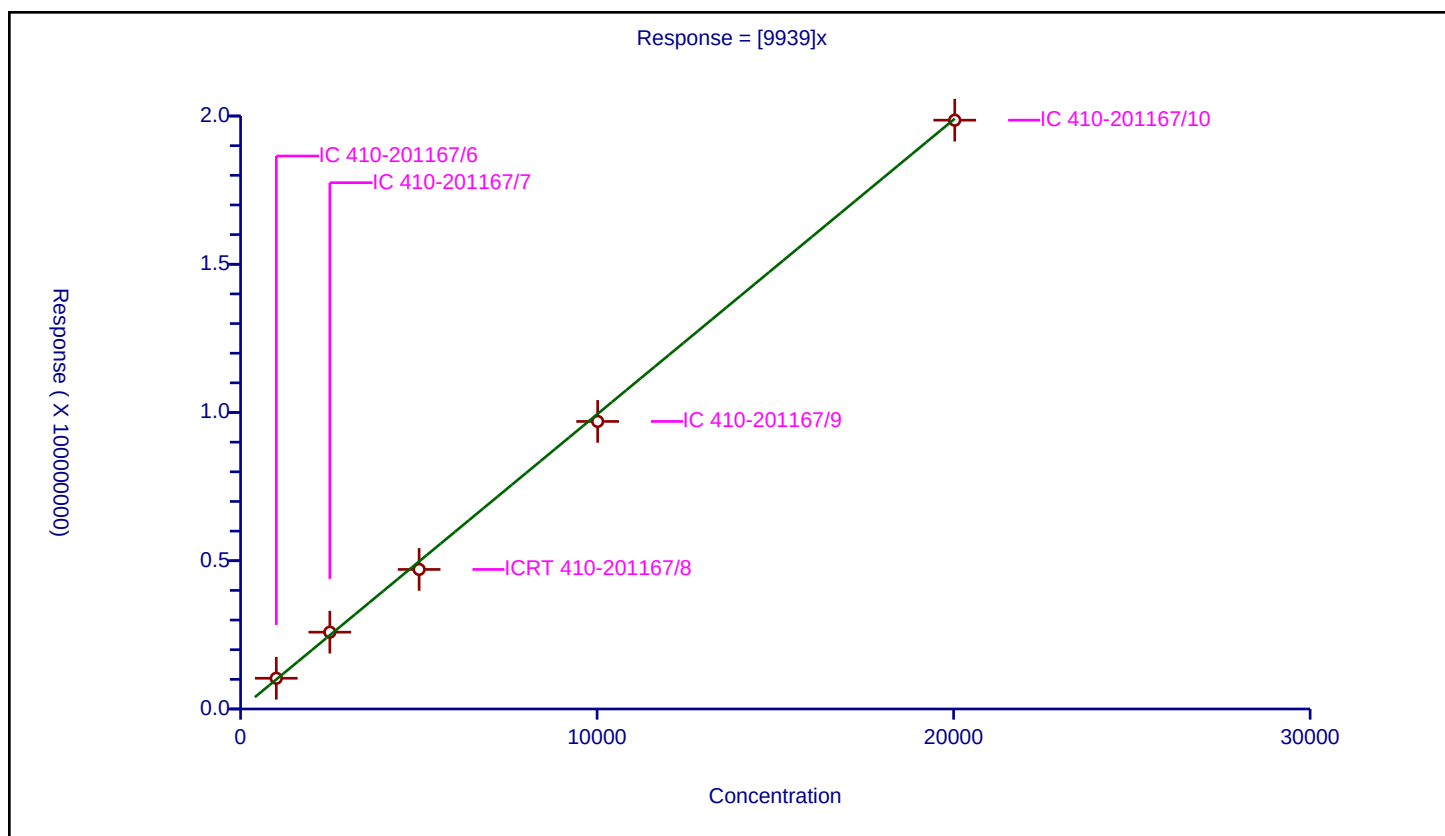
Curve Coefficients

Intercept: 0
 Slope: 9939

Error Coefficients

Standard Error: 1950000
 Relative Standard Error: 4.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-201167/6	1001.6	10367708.0			10351.146166	Y
2	IC 410-201167/7	2504.0	25904686.0			10345.321885	Y
3	ICRT 410-201167/8	5008.0	47070833.0			9399.127995	Y
4	IC 410-201167/9	10016.0	96992709.0			9683.776857	Y
5	IC 410-201167/10	20032.0	198595321.0			9913.903804	Y



Calibration

/ Isopropyl alcohol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ESTD
Response Base: AREA
RF Rounding: 0

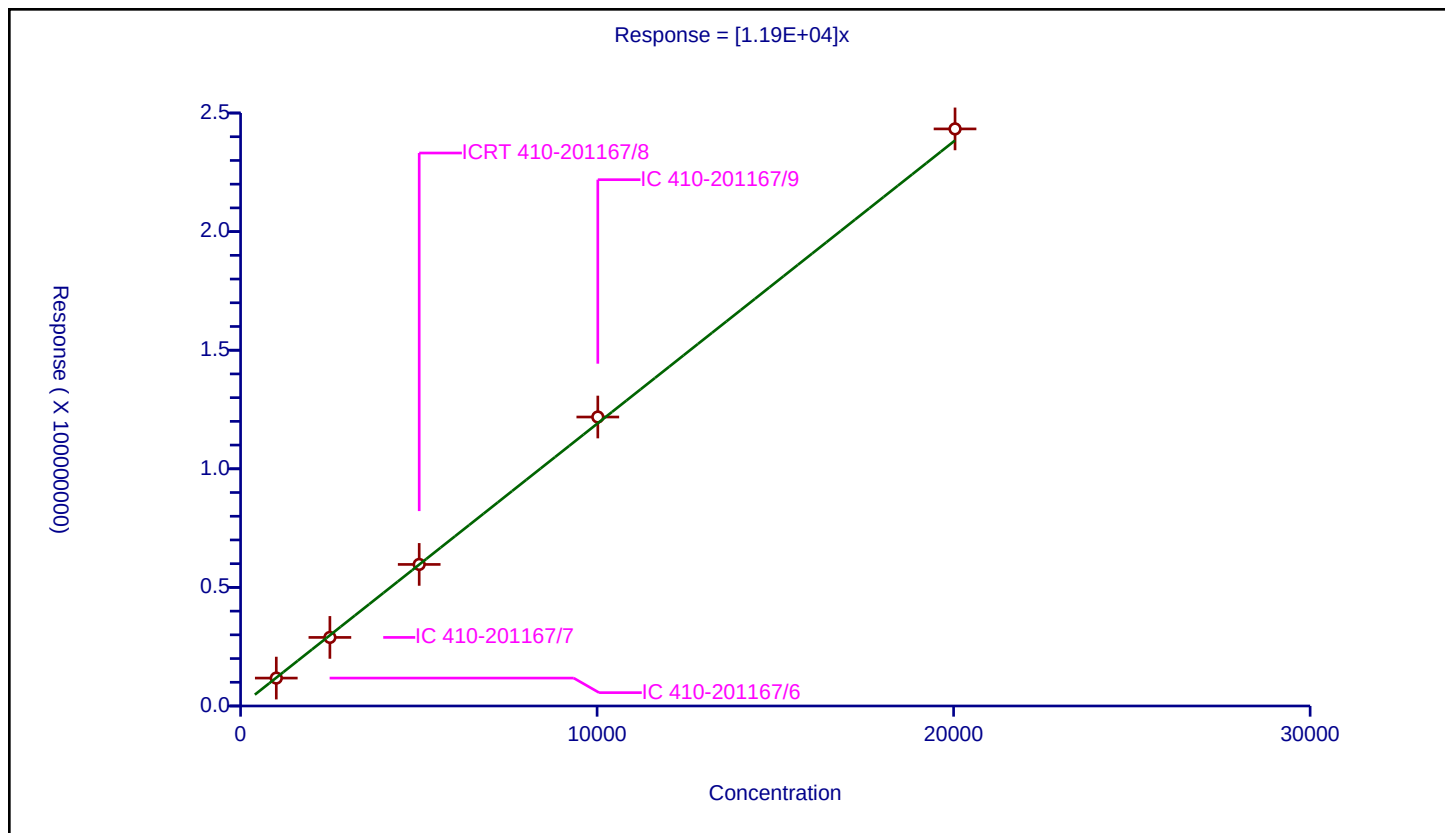
Curve Coefficients

Intercept: 0
Slope: 1.19E+04

Error Coefficients

Standard Error: 2800000
Relative Standard Error: 2.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-201167/6	1002.0	11760412.0			11736.938124	Y
2	IC 410-201167/7	2505.0	28910419.0			11541.085429	Y
3	ICRT 410-201167/8	5010.0	59683856.0			11912.945309	Y
4	IC 410-201167/9	10020.0	121832818.0			12158.963872	Y
5	IC 410-201167/10	20040.0	243302093.0			12140.823004	Y



Calibration

/ Propanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ESTD
Response Base: AREA
RF Rounding: 0

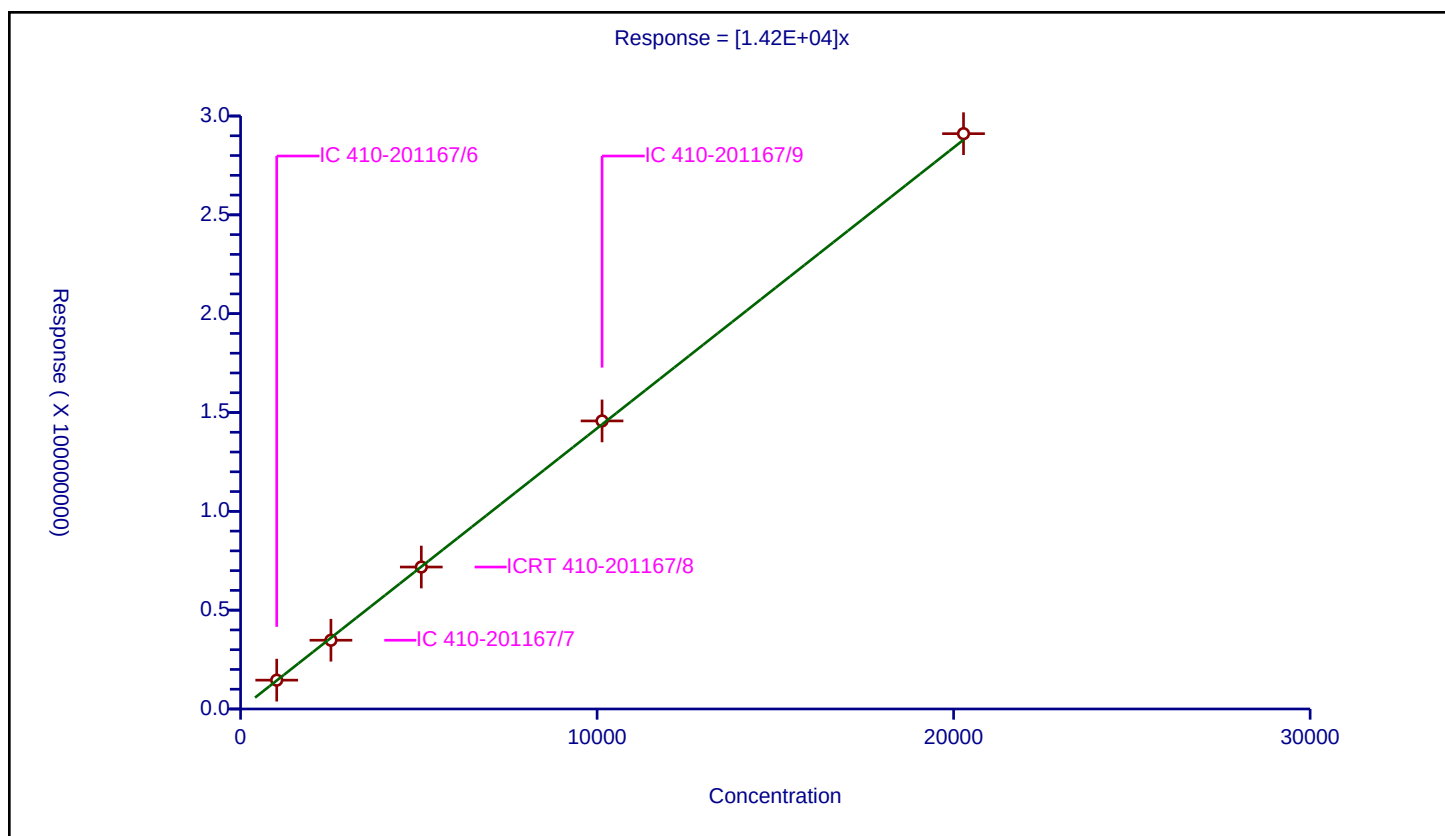
Curve Coefficients

Intercept: 0
Slope: 1.42E+04

Error Coefficients

Standard Error: 1890000
Relative Standard Error: 2.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-201167/6	1013.905	14584027.0			14384.01724	Y
2	IC 410-201167/7	2534.7625	34786458.0			13723.754395	Y
3	ICRT 410-201167/8	5069.525	71821888.0			14167.380179	Y
4	IC 410-201167/9	10139.05	145737509.0			14373.88207	Y
5	IC 410-201167/10	20278.1	291063554.0			14353.591017	Y



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
 SDG No.: _____
 Lab Sample ID: ICV 410-199563/13 Calibration Date: 11/30/2021 14:07
 Instrument ID: 2739 Calib Start Date: 11/30/2021 11:55
 GC Column: RTX200 ID: _____ Calib End Date: 11/30/2021 13:10
 Lab File ID: 272021_11_30.0013.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	3321	3100		4880	5230	-6.6	20.0
Ethanol	Ave	4622	4444		5390	5600	-3.8	20.0
Isopropanol	Ave	4377	4512		5260	5100	3.1	20.0
1-Propanol	Lin		6448		5070	5090	-0.4	20.0
Isobutanol	Ave	6561	6463		4920	4990	-1.5	20.0
1-Butanol	Ave	5555	5727		5310	5150	3.1	20.0
Acetone	Ave	3748	3662		4890	5010	-2.3	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: ICV 410-199563/13 Calibration Date: 11/30/2021 14:07
Instrument ID: 2739 Calib Start Date: 11/30/2021 11:55
GC Column: RTX200 ID: _____ Calib End Date: 11/30/2021 13:10
Lab File ID: 272021_11_30.0013.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.34	0.31	0.37
Ethanol	0.44	0.41	0.47
Isopropanol	0.54	0.51	0.57
1-Propanol	0.73	0.70	0.76
Isobutanol	1.12	1.08	1.14
1-Butanol	1.39	1.36	1.42
Acetone	0.97	0.94	1.00

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0013.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 30-Nov-2021 14:07:00 ALS Bottle#: 0 Worklist Smp#: 13
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: icv
 Misc. Info.: 410-0045155-013
 Operator ID: Administrator Instrument ID: 2739
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 08:03:22 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 01-Dec-2021 08:01:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.340	0.340	0.000	16210938	5228.7	4881.2	M
2	0.720	0.720	0.000	36368755	5228.7	5272.4	
RPD = 7.71							
2 Ethanol							M
1	0.440	0.440	0.000	24895834	5601.9	5386.9	M
2	1.650	1.653	-0.003	61153647	5601.9	5785.3	M
RPD = 7.13							
3 Isopropyl alcohol							M
1	0.543	0.543	0.000	23011459	5099.5	5257.2	M
2	2.943	2.947	-0.004	60666680	5099.5	5243.3	M
RPD = 0.26							
4 Propanol							M
1	0.730	0.730	0.000	32850002	5094.4	5075.0	M
2	3.513	3.523	-0.010	32406250	5094.4	4618.9	
RPD = 9.41							
\$ 5 Acetone							M
1	0.967	0.967	0.000	18338018	5008.0	4892.4	
2	2.627	2.623	0.004	49785193	5008.0	4935.9	M
RPD = 0.88							
6 Isobutyl alcohol							
1	1.117	1.113	0.003	32247913	4990.0	4915.3	
7 n-Butanol							
1	1.390	1.390	0.000	29490627	5149.8	5309.3	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLMEICV_00008

Amount Added: 1.00

Units: mL

Report Date: 01-Dec-2021 08:03:28

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0013.D

Injection Date: 30-Nov-2021 14:07:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: icv

Worklist Smp#:

13

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

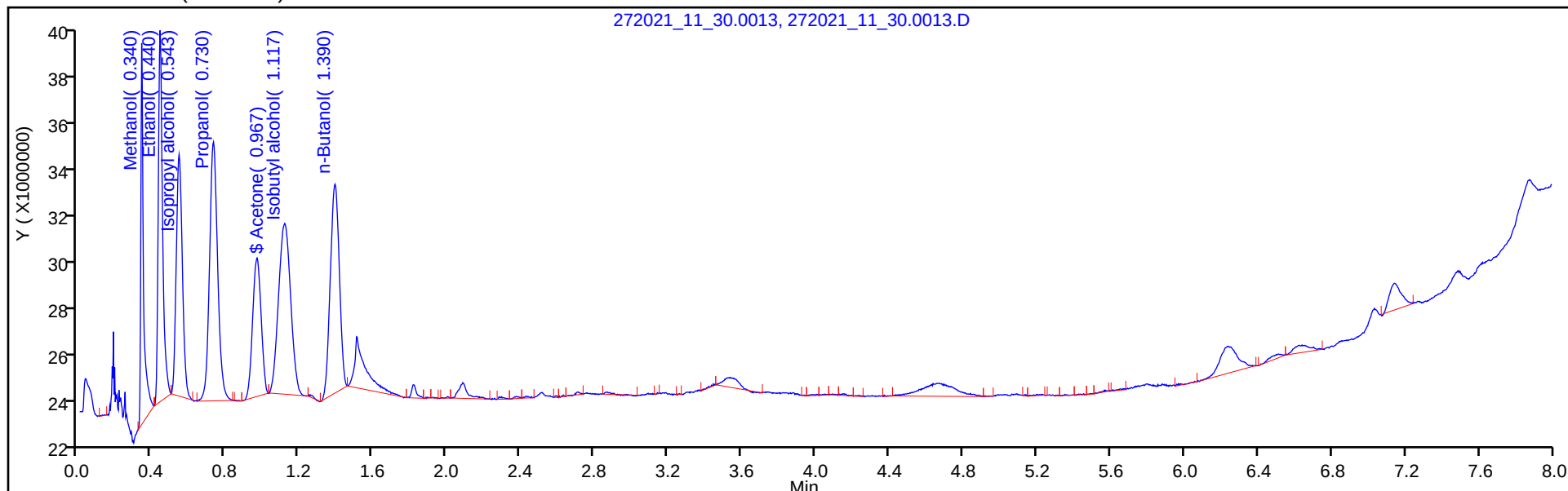
ALS Bottle#:

0

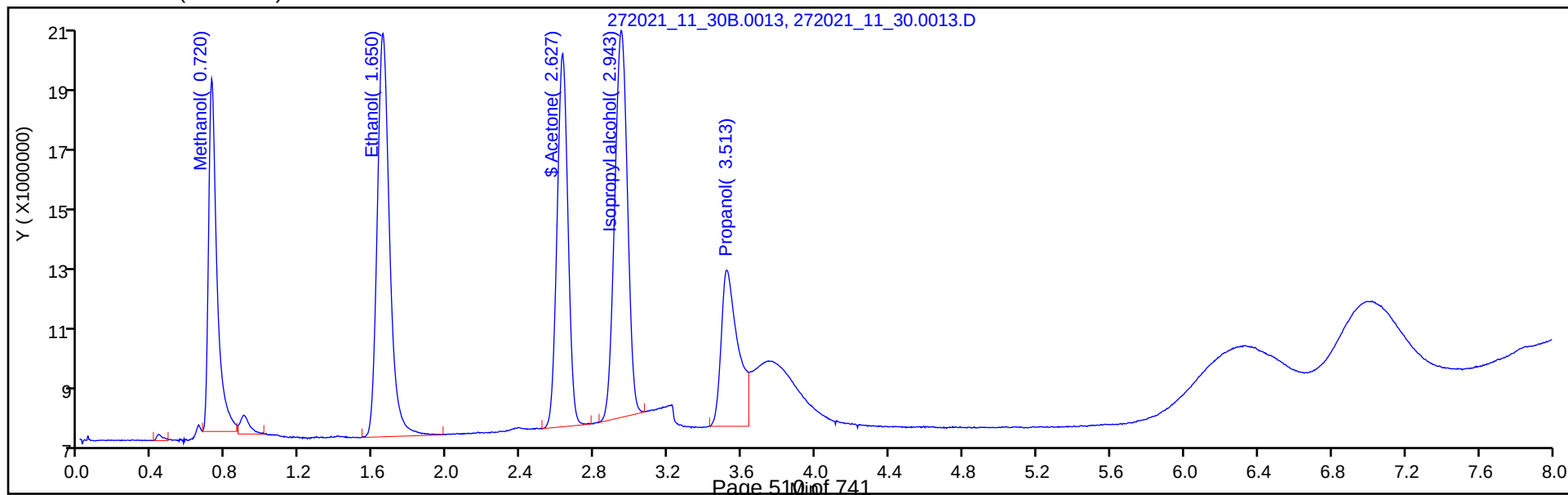
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

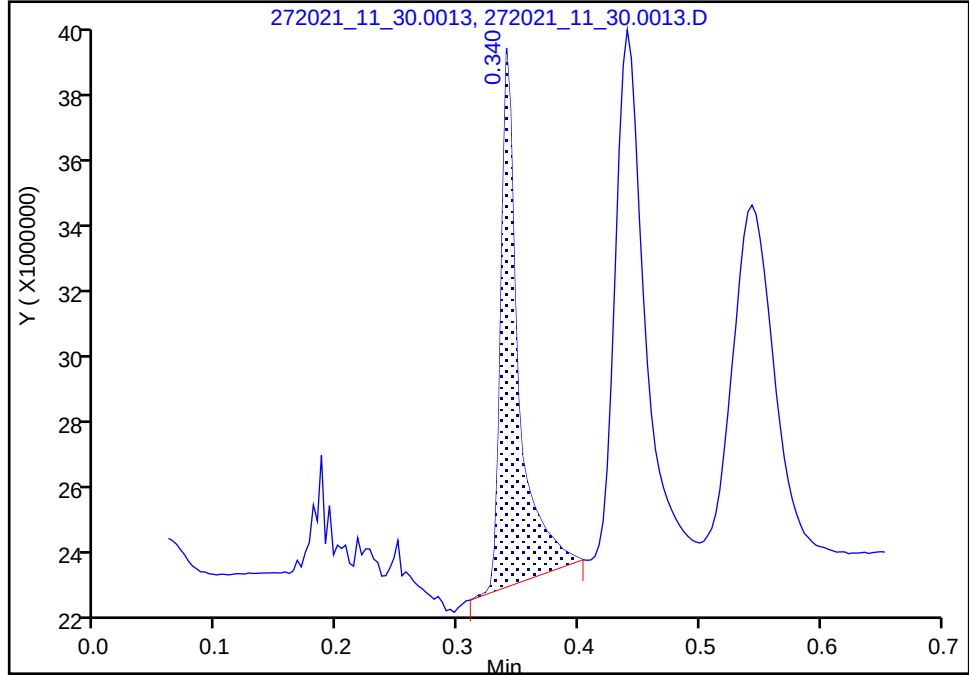
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0013.D
Injection Date: 30-Nov-2021 14:07:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

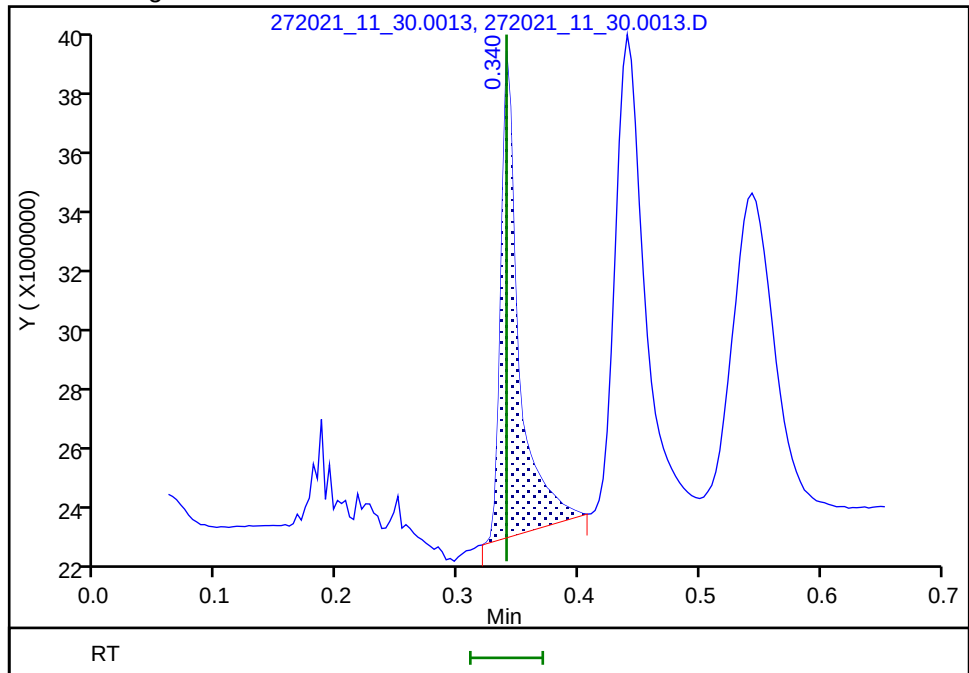
RT: 0.34
Area: 16191669
Amount: 4875.3519
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 16210938
Amount: 4881.1539
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:57:46
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

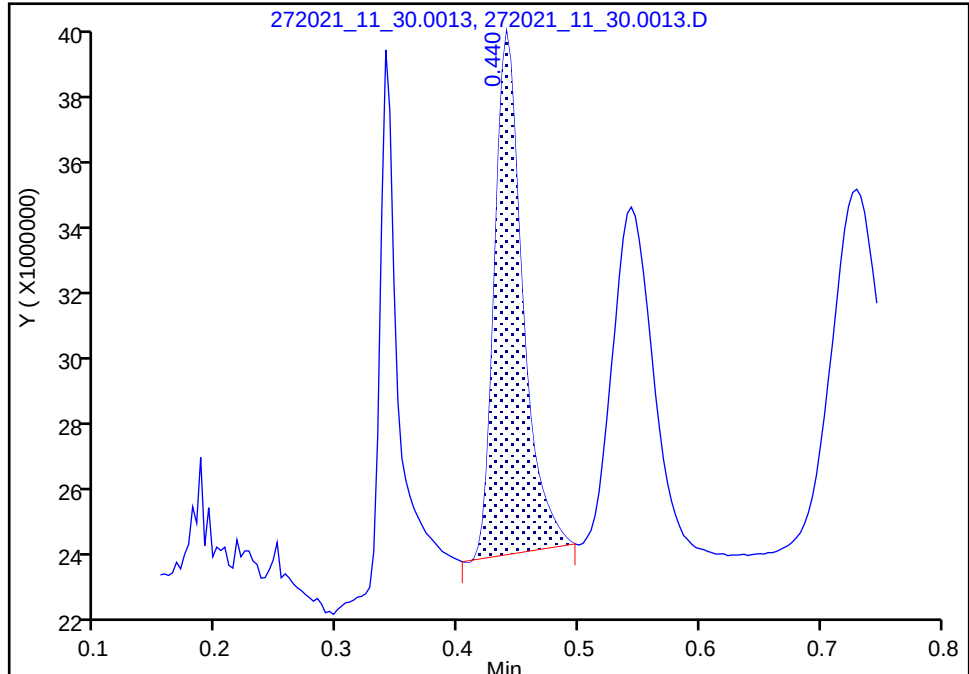
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0013.D
Injection Date: 30-Nov-2021 14:07:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

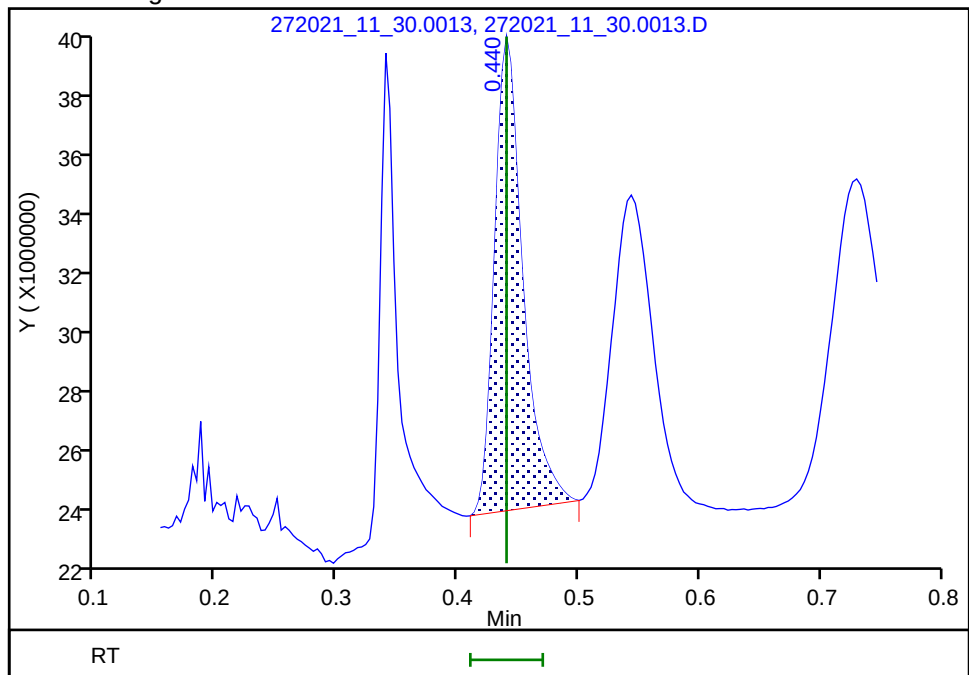
RT: 0.44
Area: 24640626
Amount: 5331.7191
Amount Units: ug/l

Processing Integration Results



RT: 0.44
Area: 24895834
Amount: 5386.9409
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:57:38

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

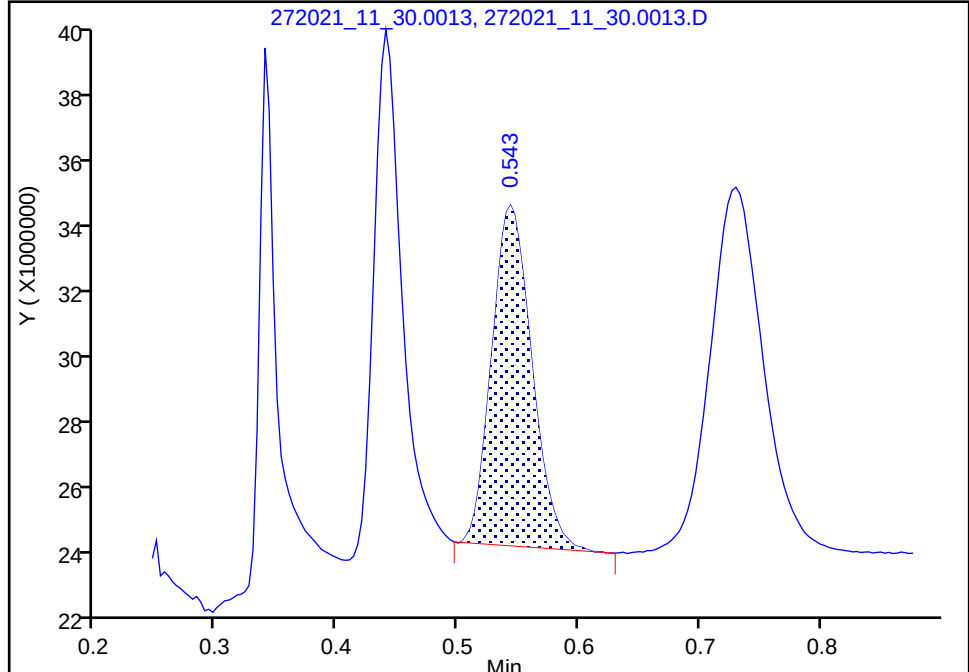
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0013.D
Injection Date: 30-Nov-2021 14:07:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

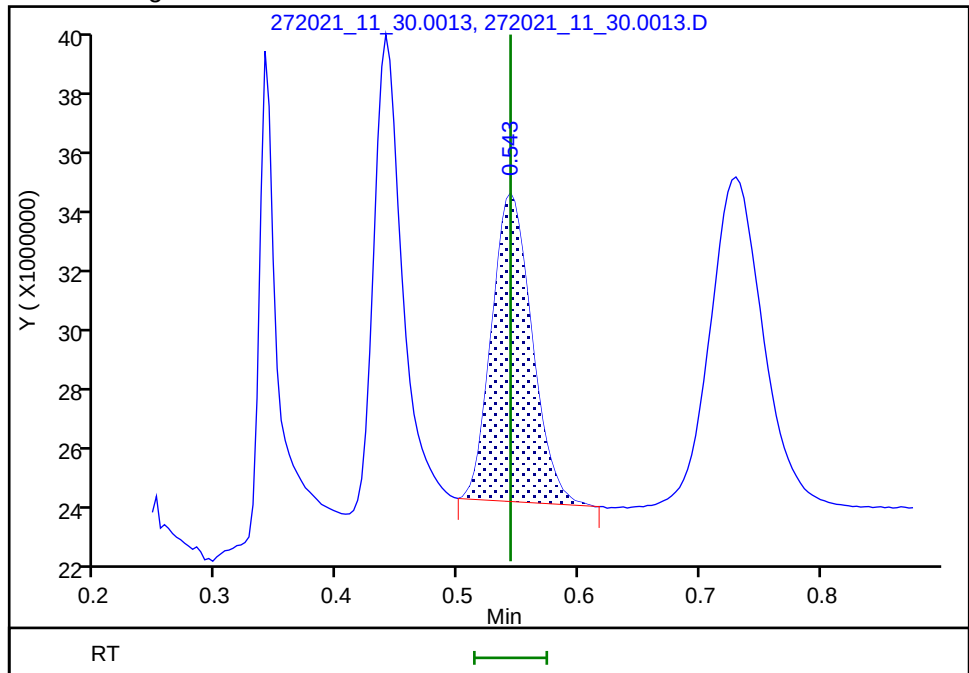
RT: 0.54
Area: 22936978
Amount: 5240.1847
Amount Units: ug/l

Processing Integration Results



RT: 0.54
Area: 23011459
Amount: 5257.2006
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:57:33

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

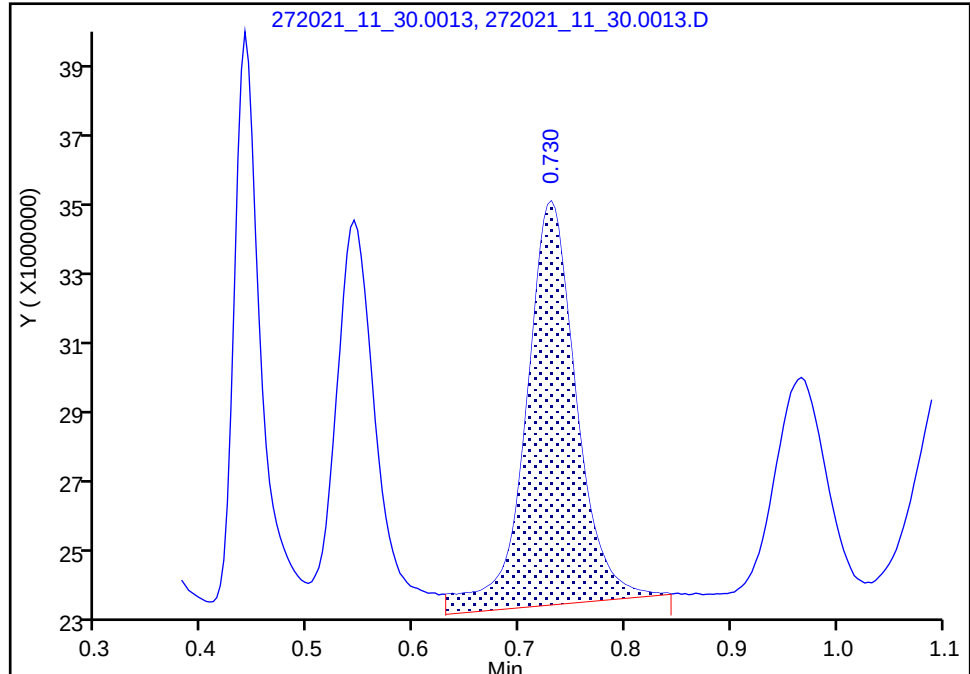
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0013.D
Injection Date: 30-Nov-2021 14:07:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

4 Propanol, CAS: 71-23-8

Signal: 1

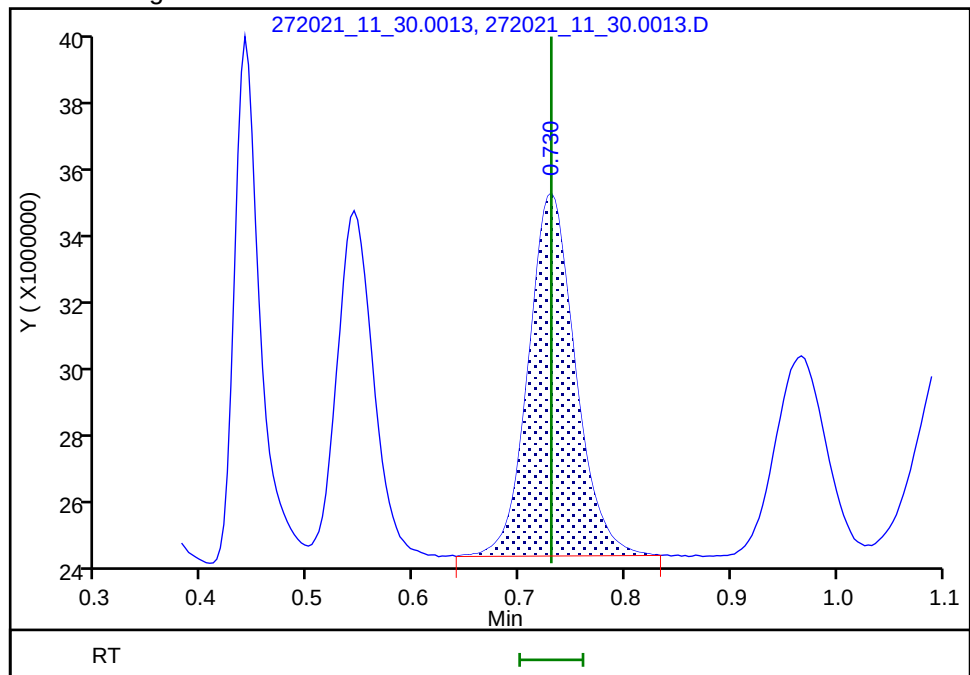
RT: 0.73
Area: 36474479
Amount: 5704.5718
Amount Units: ug/l

Processing Integration Results



RT: 0.73
Area: 32850002
Amount: 5074.9723
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:57:20
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 514 of 741

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1

SDG No.: _____

Lab Sample ID: ICV 410-199563/13 Calibration Date: 11/30/2021 14:07

Instrument ID: 2739 Calib Start Date: 11/30/2021 11:55

GC Column: SP1000 ID: _____ Calib End Date: 11/30/2021 13:10

Lab File ID: 272021_11_30.0013.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	6898	6956		5270	5230	0.8	20.0
Ethanol	Ave	10571	10917		5790	5600	3.3	20.0
Isopropanol	Ave	11570	11897		5240	5100	2.8	20.0
1-Propanol	Ave	7016	6361		4620	5090	-9.3	20.0
Acetone	Ave	10086	9941		4940	5010	-1.4	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: ICV 410-199563/13 Calibration Date: 11/30/2021 14:07
Instrument ID: 2739 Calib Start Date: 11/30/2021 11:55
GC Column: SP1000 ID: _____ Calib End Date: 11/30/2021 13:10
Lab File ID: 272021_11_30.0013.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.72	0.69	0.75
Ethanol	1.65	1.62	1.68
Isopropanol	2.94	2.92	2.98
1-Propanol	3.51	3.49	3.56
Acetone	2.63	2.59	2.65

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0013.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 30-Nov-2021 14:07:00 ALS Bottle#: 0 Worklist Smp#: 13
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: icv
 Misc. Info.: 410-0045155-013
 Operator ID: Administrator Instrument ID: 2739
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 08:03:22 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 01-Dec-2021 08:01:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.340	0.340	0.000	16210938	5228.7	4881.2	M
2	0.720	0.720	0.000	36368755	5228.7	5272.4	
RPD = 7.71							
2 Ethanol							M
1	0.440	0.440	0.000	24895834	5601.9	5386.9	M
2	1.650	1.653	-0.003	61153647	5601.9	5785.3	M
RPD = 7.13							
3 Isopropyl alcohol							M
1	0.543	0.543	0.000	23011459	5099.5	5257.2	M
2	2.943	2.947	-0.004	60666680	5099.5	5243.3	M
RPD = 0.26							
4 Propanol							M
1	0.730	0.730	0.000	32850002	5094.4	5075.0	M
2	3.513	3.523	-0.010	32406250	5094.4	4618.9	
RPD = 9.41							
\$ 5 Acetone							M
1	0.967	0.967	0.000	18338018	5008.0	4892.4	
2	2.627	2.623	0.004	49785193	5008.0	4935.9	M
RPD = 0.88							
6 Isobutyl alcohol							
1	1.117	1.113	0.003	32247913	4990.0	4915.3	
7 n-Butanol							
1	1.390	1.390	0.000	29490627	5149.8	5309.3	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLMEICV_00008

Amount Added: 1.00

Units: mL

Report Date: 01-Dec-2021 08:03:28

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0013.D

Injection Date: 30-Nov-2021 14:07:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: icv

Worklist Smp#:

13

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

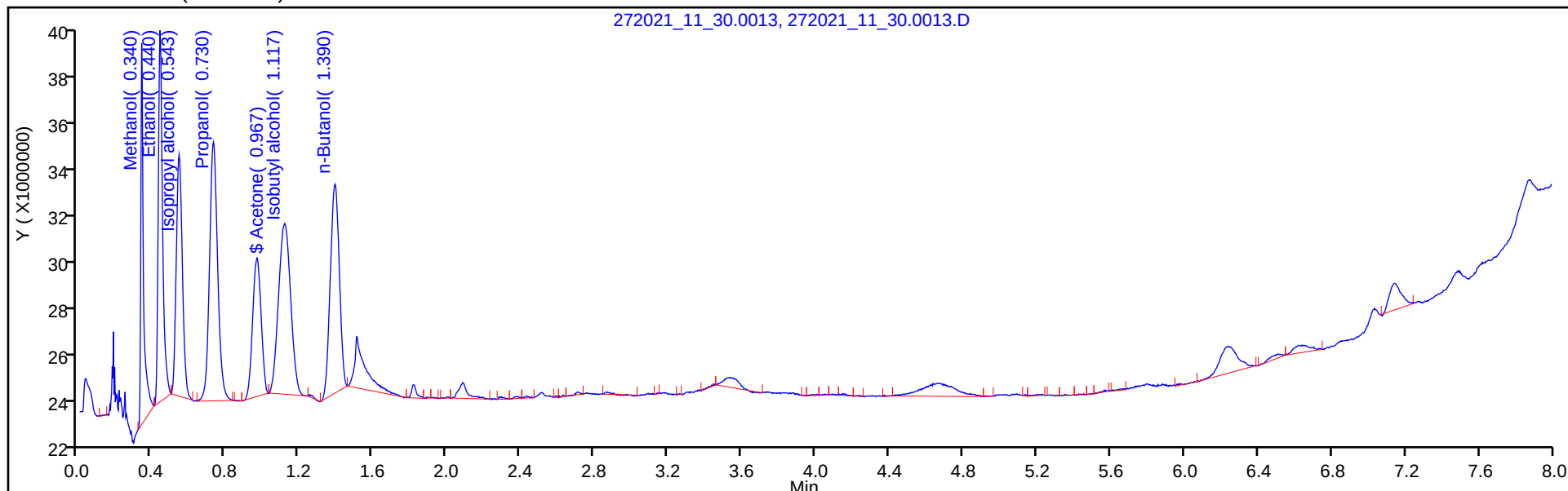
ALS Bottle#:

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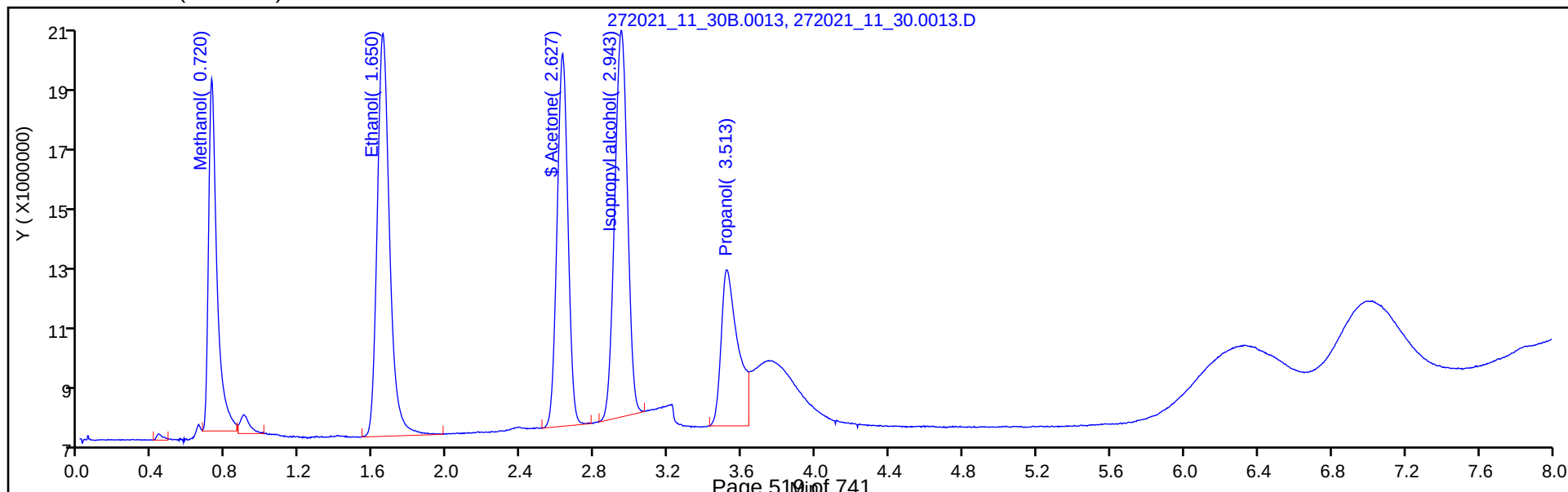
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

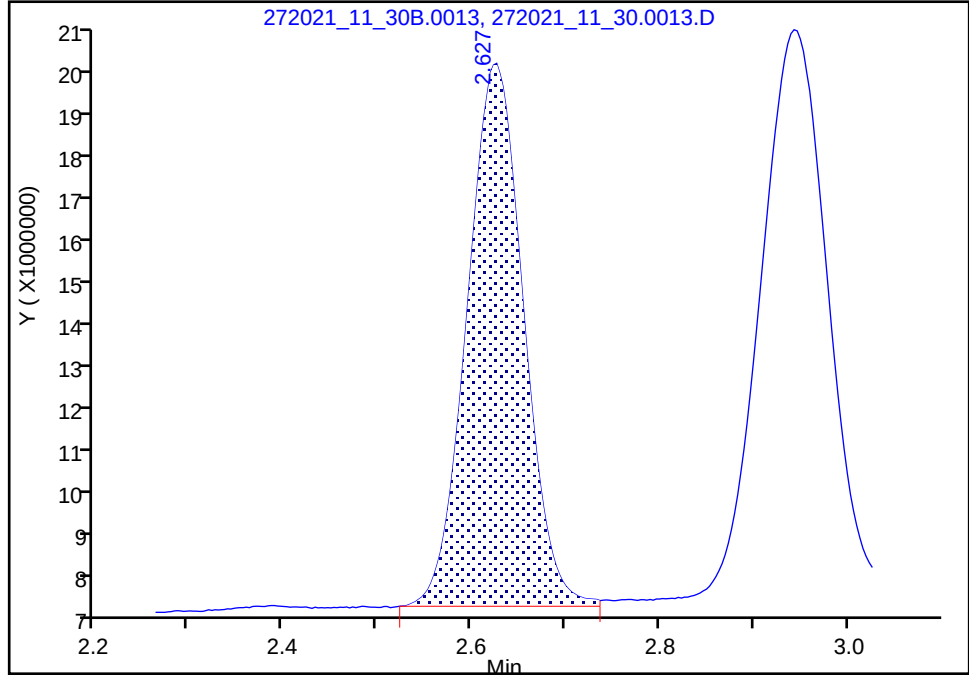
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0013.D
Injection Date: 30-Nov-2021 14:07:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

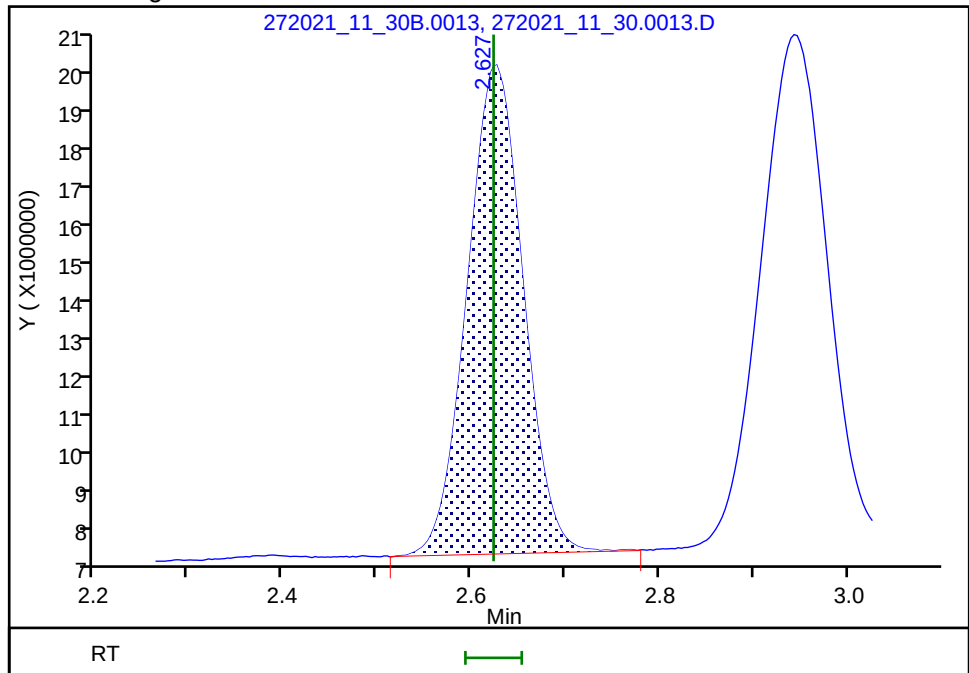
RT: 2.63
Area: 50314589
Amount: 4988.3863
Amount Units: ug/l

Processing Integration Results



RT: 2.63
Area: 49785193
Amount: 4935.8999
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:59:03

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

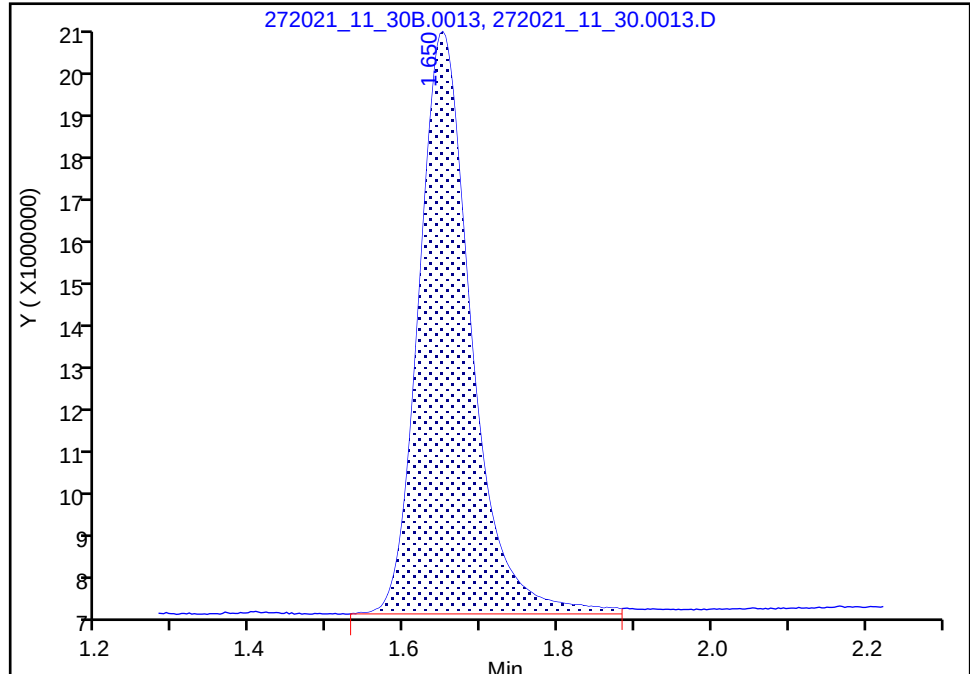
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0013.D
Injection Date: 30-Nov-2021 14:07:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

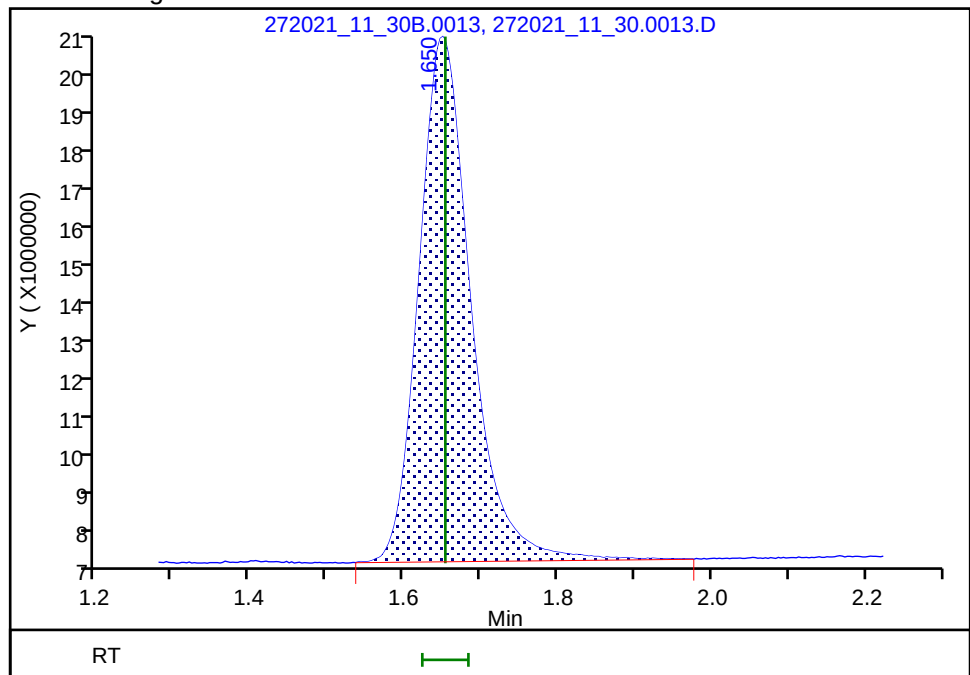
RT: 1.65
Area: 61774995
Amount: 5844.0523
Amount Units: ug/l

Processing Integration Results



RT: 1.65
Area: 61153647
Amount: 5785.2714
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:58:55

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

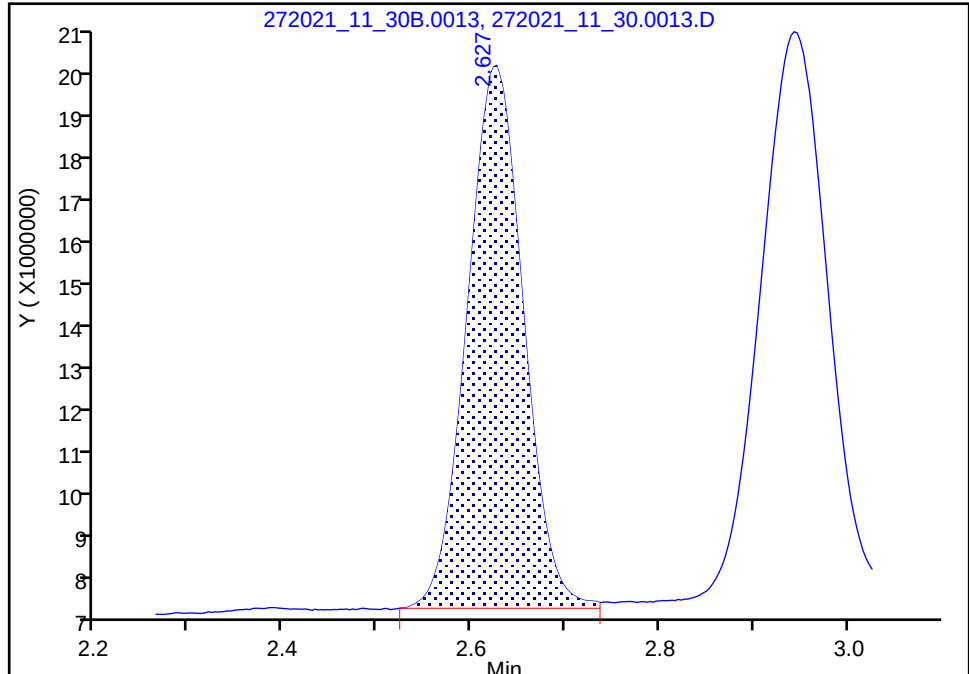
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Injection Date: 30-Nov-2021 14:07:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

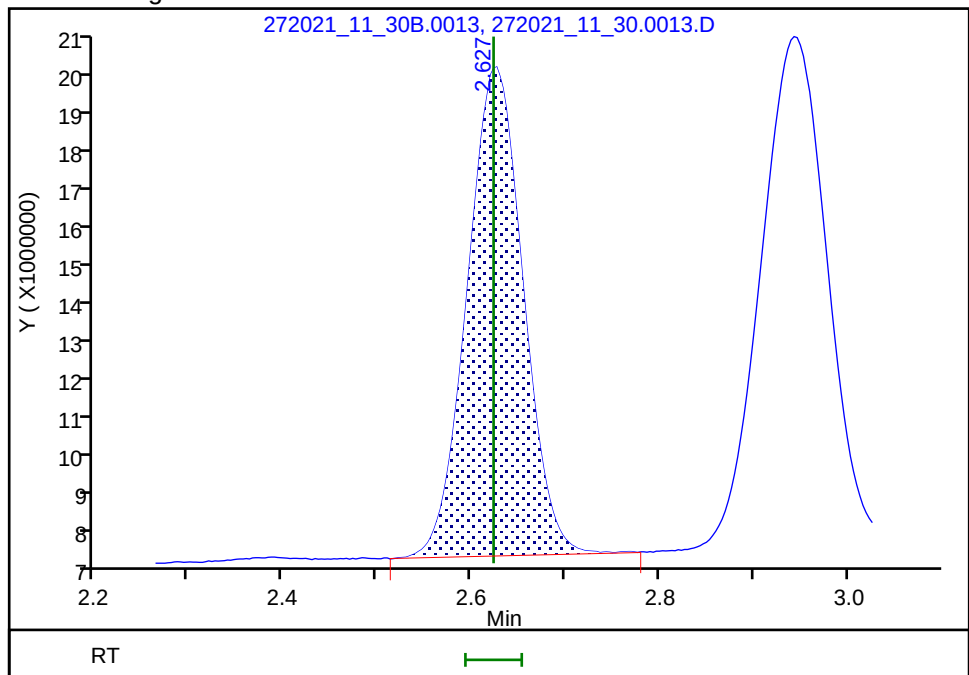
RT: 2.63
Area: 50314589
Amount: 4988.3863
Amount Units: ug/l

Processing Integration Results



RT: 2.63
Area: 49785193
Amount: 4935.8999
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:59:03

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

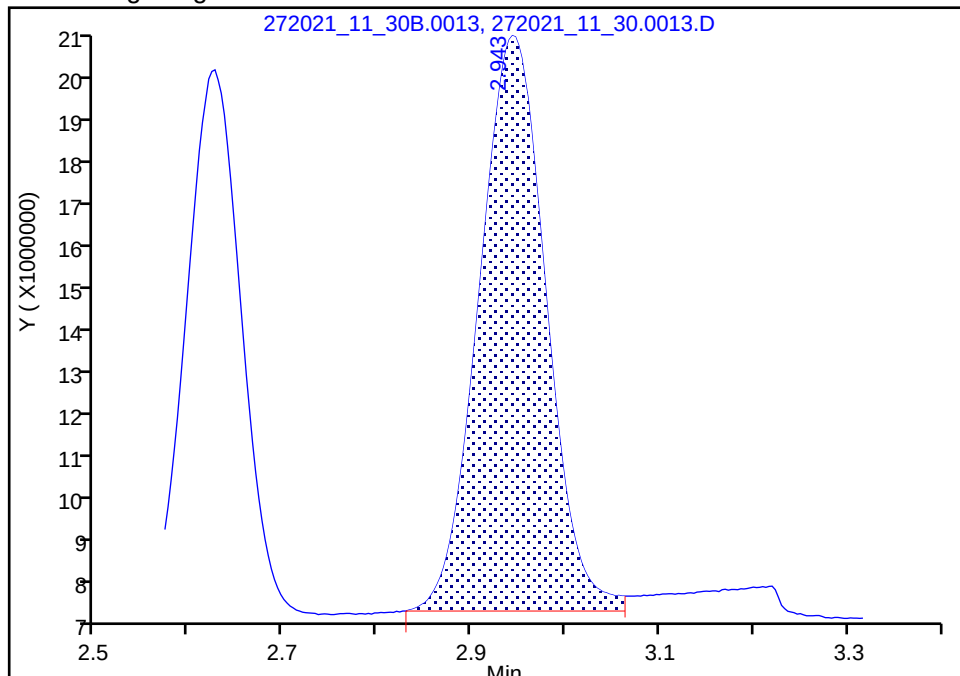
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0013.D
Injection Date: 30-Nov-2021 14:07:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

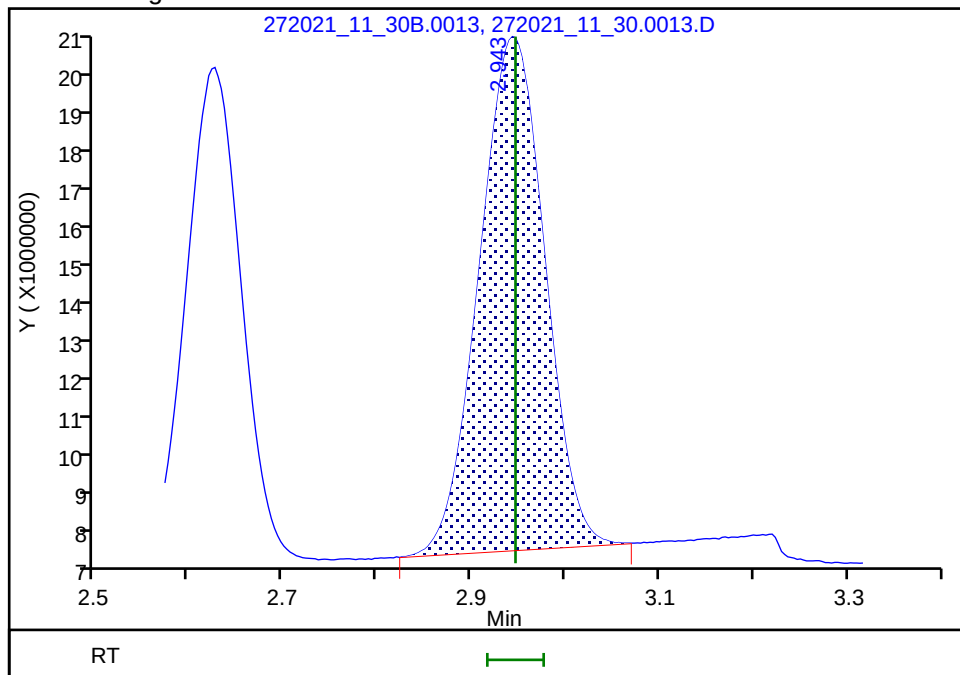
RT: 2.94
Area: 62714590
Amount: 5420.3266
Amount Units: ug/l

Processing Integration Results



RT: 2.94
Area: 60666680
Amount: 5243.3288
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 07:59:00

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
 SDG No.: _____
 Lab Sample ID: CCV 410-199563/19 Calibration Date: 11/30/2021 15:59
 Instrument ID: 2739 Calib Start Date: 11/30/2021 11:55
 GC Column: RTX200 ID: _____ Calib End Date: 11/30/2021 13:10
 Lab File ID: 272021_11_30.0019.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	3321	2753		4160	5010	-17.1	20.0
Ethanol	Ave	4622	3858		4180	5000	-16.5	20.0
Isopropanol	Ave	4377	4084		4670	5010	-6.7	20.0
1-Propanol	Lin		6245		4870	5070	-4.0	20.0
Isobutanol	Ave	6561	6302		4940	5140	-3.9	20.0
1-Butanol	Ave	5555	5487		5110	5170	-1.2	20.0
Acetone	Ave	3748	3490		4660	5010	-6.9	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: CCV 410-199563/19 Calibration Date: 11/30/2021 15:59
Instrument ID: 2739 Calib Start Date: 11/30/2021 11:55
GC Column: RTX200 ID: _____ Calib End Date: 11/30/2021 13:10
Lab File ID: 272021_11_30.0019.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.34	0.31	0.37
Ethanol	0.44	0.41	0.47
Isopropanol	0.54	0.51	0.57
1-Propanol	0.73	0.70	0.76
Isobutanol	1.12	1.08	1.14
1-Butanol	1.39	1.36	1.42
Acetone	0.96	0.94	1.00

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0019.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 30-Nov-2021 15:59:00 ALS Bottle#: 0 Worklist Smp#: 19
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ccv
 Misc. Info.: 410-0045155-019
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 08:17:41 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 01-Dec-2021 08:03:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.340	0.340	0.000	13804689	5014.0	4156.6	M
2	0.720	0.720	0.000	34627084	5014.0	5019.9	
RPD = 18.81							
2 Ethanol							M
1	0.440	0.440	0.000	19299999	5002.0	4176.1	M
2	1.647	1.653	-0.006	53274079	5002.0	5039.8	M
RPD = 18.74							
3 Isopropyl alcohol							M
1	0.543	0.543	0.000	20460938	5010.0	4674.5	M
2	2.940	2.947	-0.007	57816085	5010.0	4997.0	M
RPD = 6.67							
4 Propanol							M
1	0.730	0.730	0.000	31658335	5069.5	4868.0	M
2	3.507	3.523	-0.016	25580184	5069.5	3645.9	M
RPD = 28.71							
\$ 5 Acetone							M
1	0.963	0.967	-0.004	17478647	5008.0	4663.2	
2	2.623	2.623	0.000	49320968	5008.0	4889.9	M
RPD = 4.75							
6 Isobutyl alcohol							M
1	1.117	1.113	0.003	32417184	5144.2	4941.1	M
7 n-Butanol							
1	1.390	1.390	0.000	28364062	5169.0	5106.5	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME3_00026

Amount Added: 1.00

Units: mL

Report Date: 01-Dec-2021 08:17:41

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0019.D

Injection Date: 30-Nov-2021 15:59:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: ccv

Worklist Smp#:

19

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

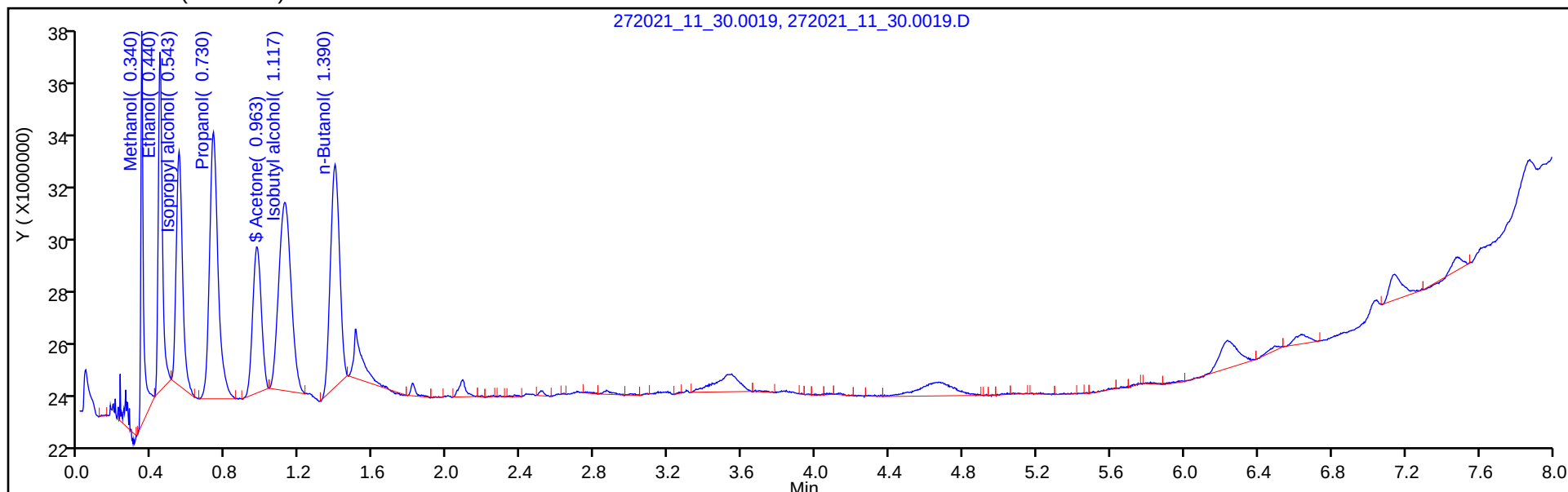
ALS Bottle#:

0

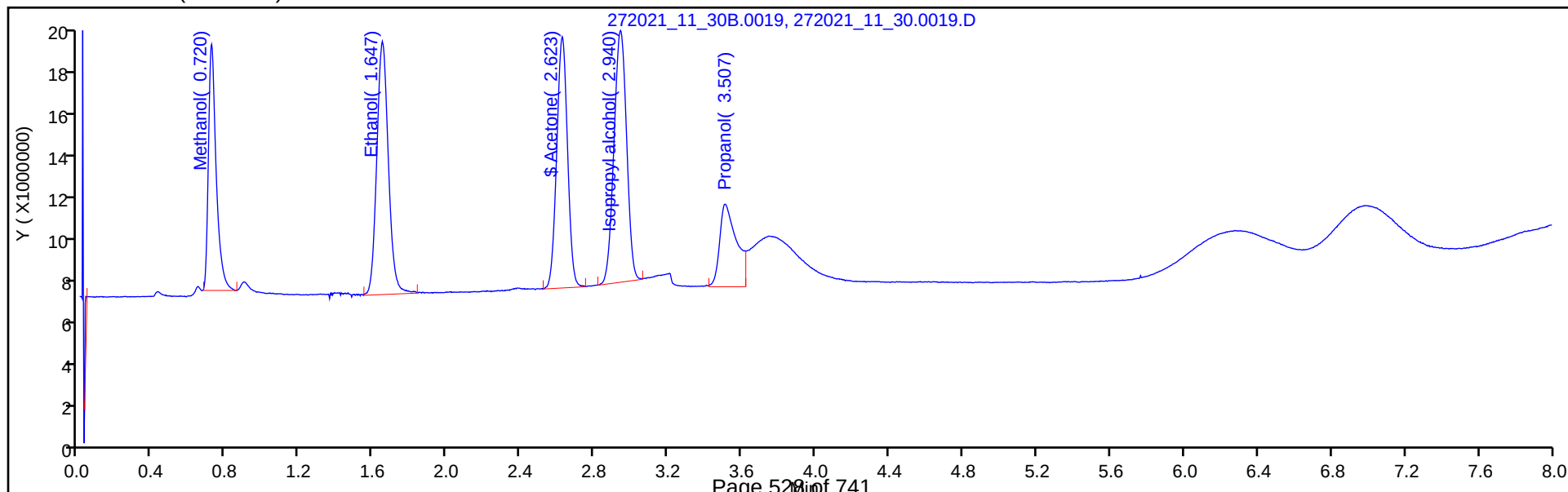
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

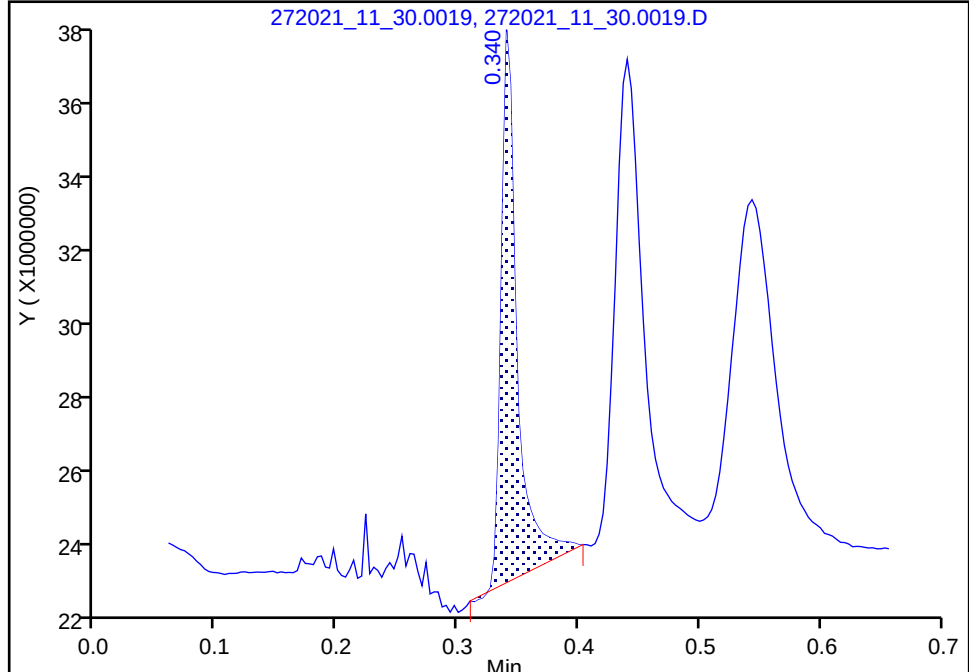
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0019.D
Injection Date: 30-Nov-2021 15:59:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

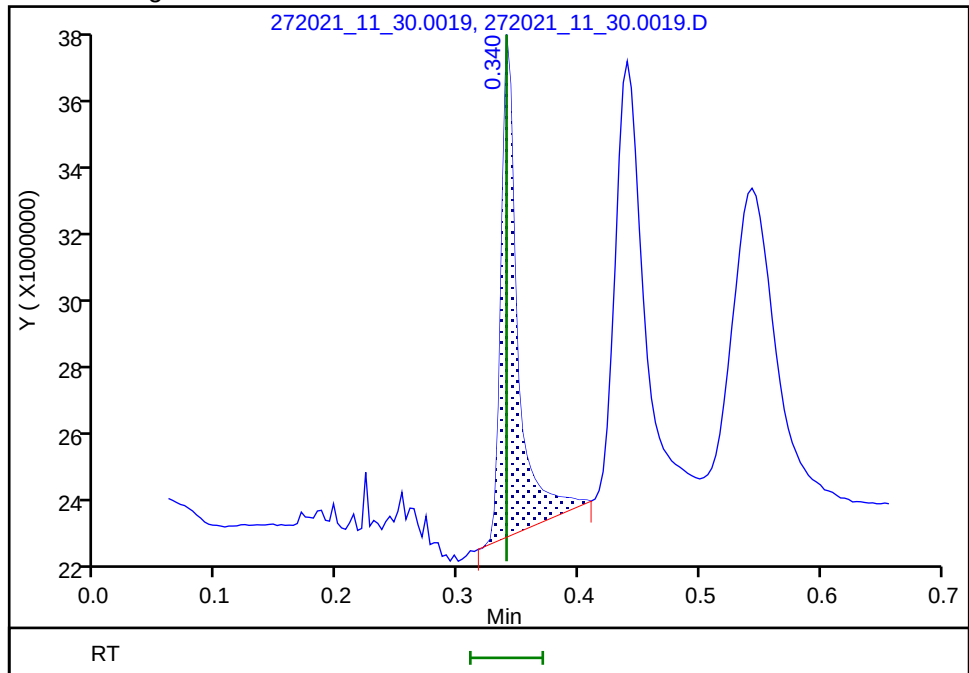
RT: 0.34
Area: 13240625
Amount: 3986.7852
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 13804689
Amount: 4156.6263
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 08:05:18
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

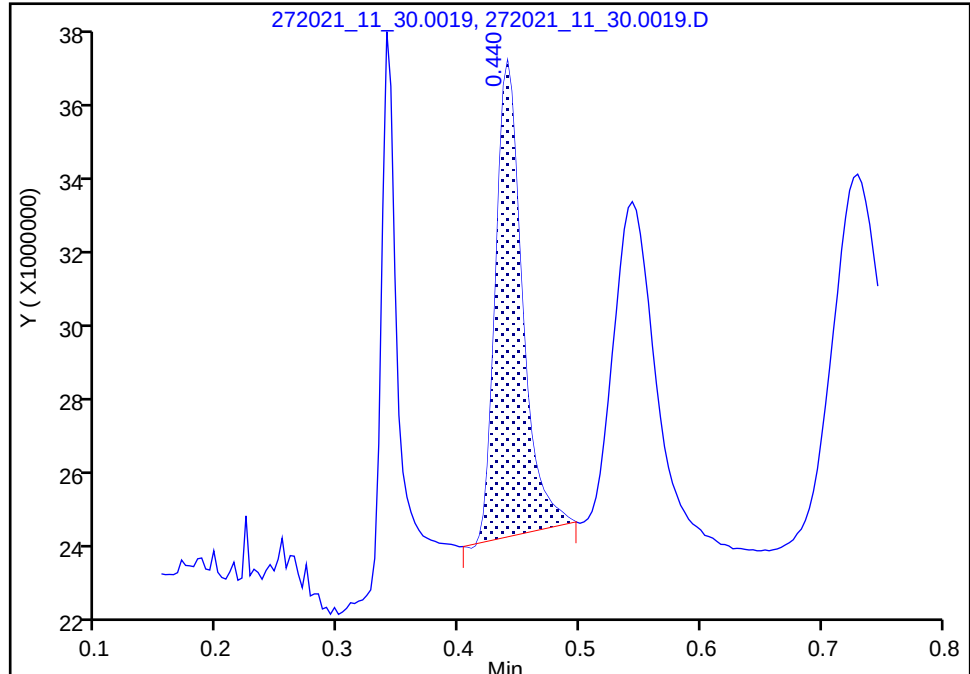
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0019.D
Injection Date: 30-Nov-2021 15:59:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

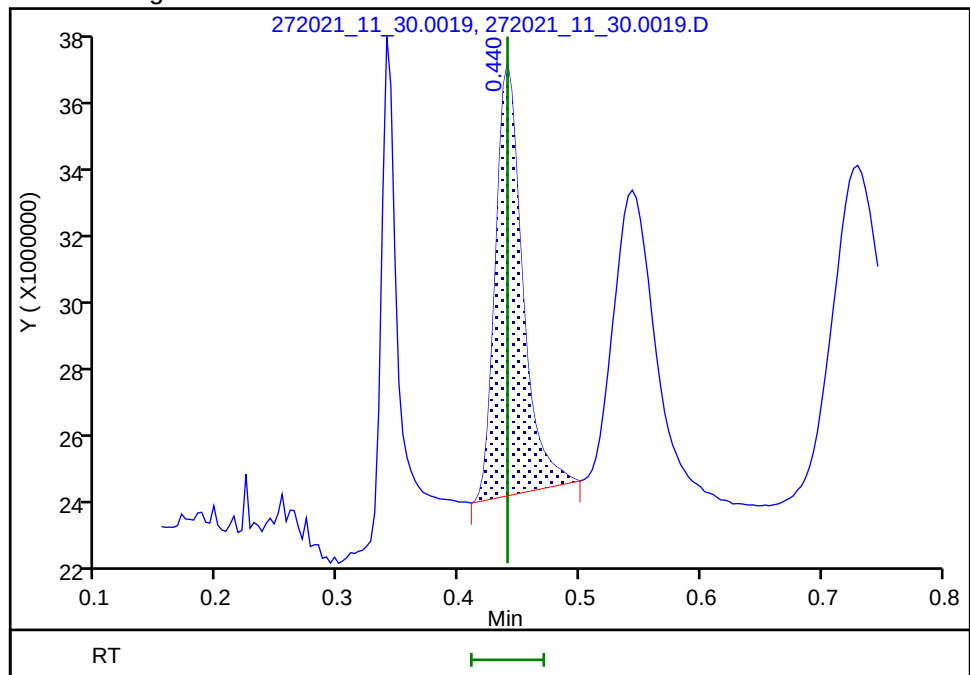
RT: 0.44
Area: 18909897
Amount: 4091.7085
Amount Units: ug/l

Processing Integration Results



RT: 0.44
Area: 19299999
Amount: 4176.1185
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 08:05:14

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

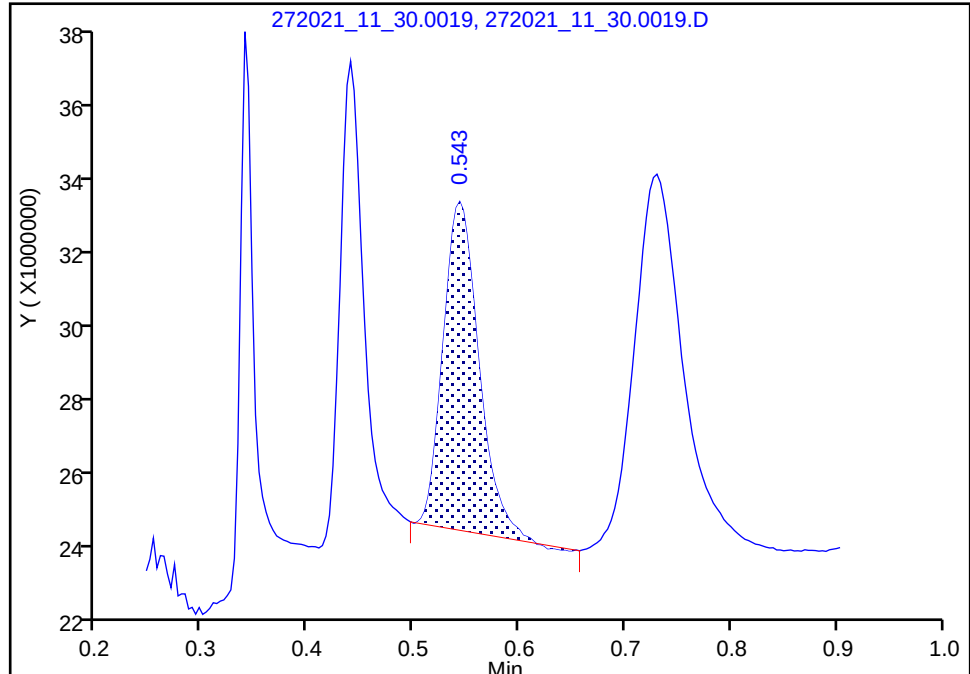
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0019.D
Injection Date: 30-Nov-2021 15:59:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector 0FIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

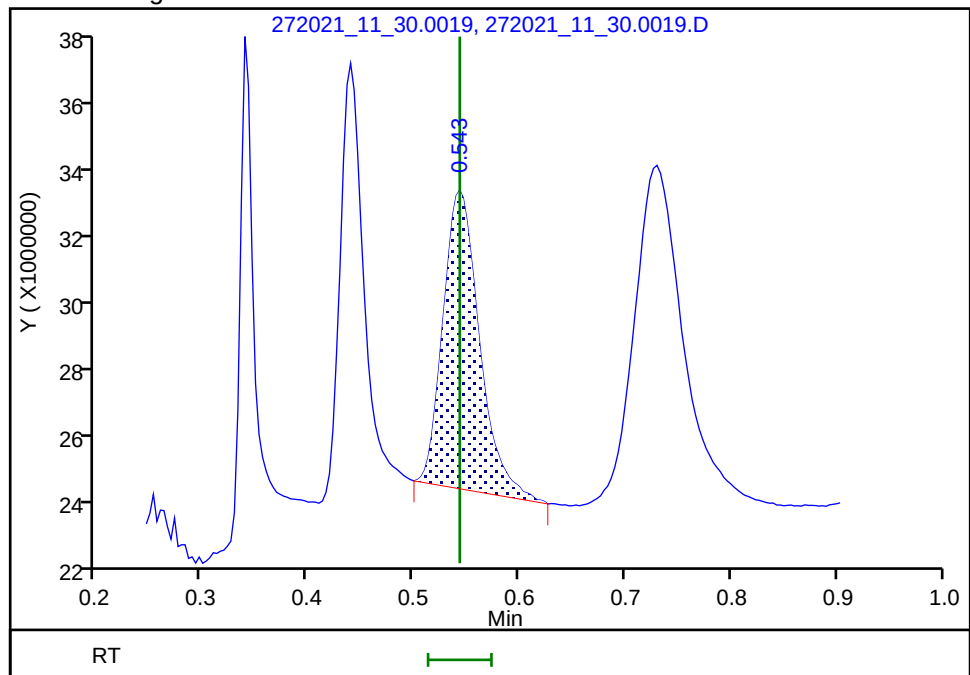
RT: 0.54
Area: 19966667
Amount: 4561.5871
Amount Units: ug/l

Processing Integration Results



RT: 0.54
Area: 20460938
Amount: 4674.5083
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 08:05:06
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

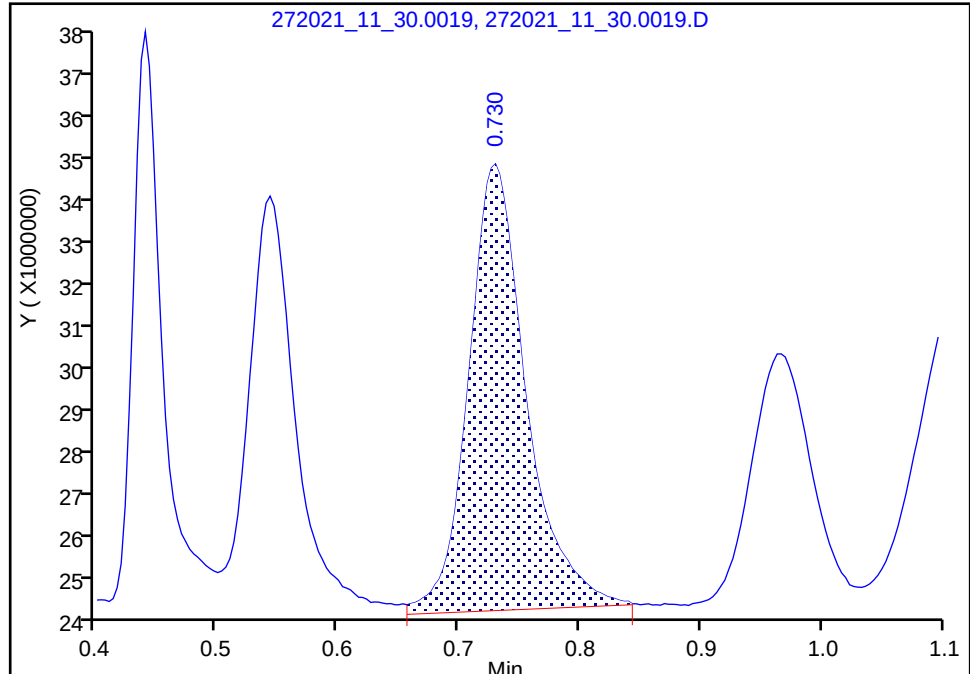
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0019.D
Injection Date: 30-Nov-2021 15:59:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

4 Propanol, CAS: 71-23-8

Signal: 1

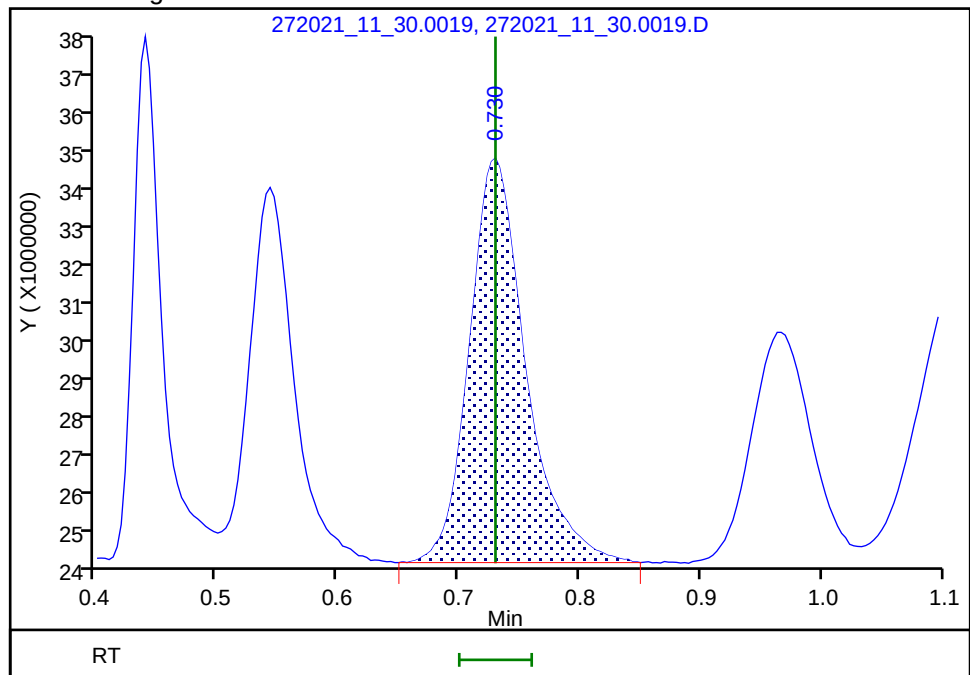
RT: 0.73
Area: 32866565
Amount: 5077.8494
Amount Units: ug/l

Processing Integration Results



RT: 0.73
Area: 31658335
Amount: 4867.9705
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 08:05:36

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

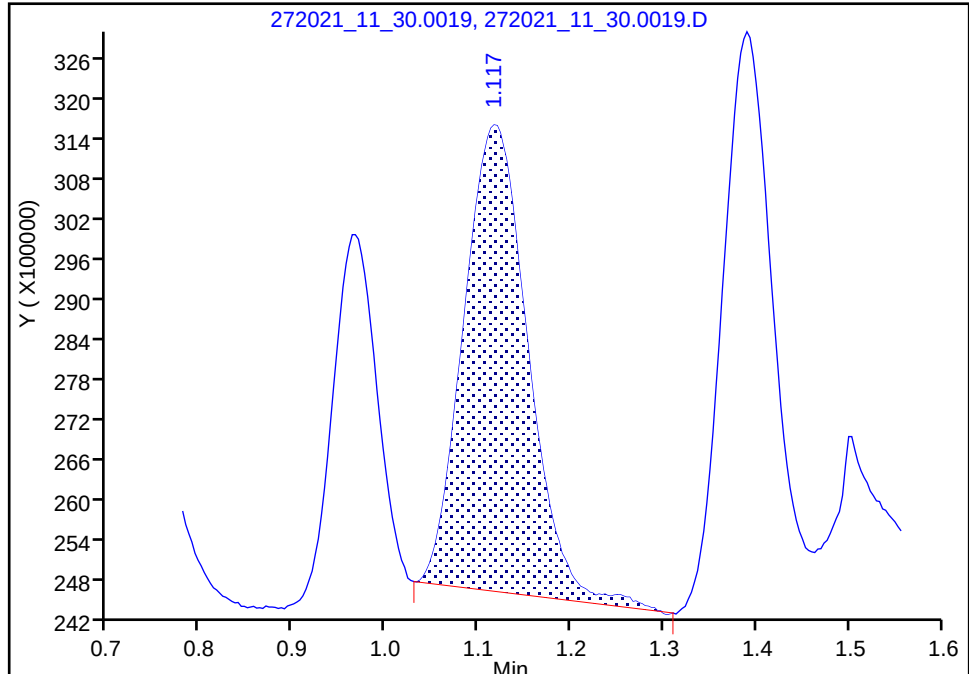
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0019.D
Injection Date: 30-Nov-2021 15:59:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

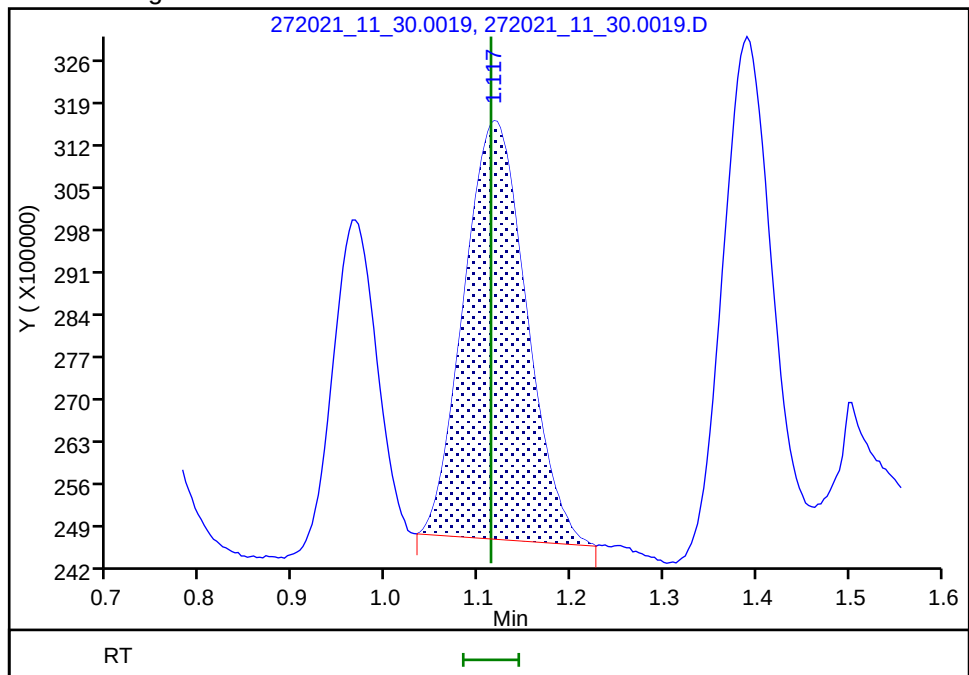
RT: 1.12
Area: 33573959
Amount: 5117.3965
Amount Units: ug/l

Processing Integration Results



RT: 1.12
Area: 32417184
Amount: 4941.0790
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 08:05:40
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 533 of 741

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1

SDG No.: _____

Lab Sample ID: CCV 410-199563/19 Calibration Date: 11/30/2021 15:59

Instrument ID: 2739 Calib Start Date: 11/30/2021 11:55

GC Column: SP1000 ID: _____ Calib End Date: 11/30/2021 13:10

Lab File ID: 272021_11_30.0019.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	6898	6906		5020	5010	0.1	20.0
Ethanol	Ave	10571	10651		5040	5000	0.8	20.0
Isopropanol	Ave	11570	11540		5000	5010	-0.3	20.0
1-Propanol	Ave	7016	5046		3650	5070	-28.1*	20.0
Acetone	Ave	10086	9848		4890	5010	-2.4	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: CCV 410-199563/19 Calibration Date: 11/30/2021 15:59
Instrument ID: 2739 Calib Start Date: 11/30/2021 11:55
GC Column: SP1000 ID: _____ Calib End Date: 11/30/2021 13:10
Lab File ID: 272021_11_30.0019.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.72	0.69	0.75
Ethanol	1.65	1.62	1.68
Isopropanol	2.94	2.92	2.98
1-Propanol	3.51	3.49	3.56
Acetone	2.62	2.59	2.65

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0019.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 30-Nov-2021 15:59:00 ALS Bottle#: 0 Worklist Smp#: 19
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ccv
 Misc. Info.: 410-0045155-019
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 08:17:41 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 01-Dec-2021 08:03:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							
1	0.340	0.340	0.000	13804689	5014.0	4156.6	M
2	0.720	0.720	0.000	34627084	5014.0	5019.9	
RPD = 18.81							
2 Ethanol							
1	0.440	0.440	0.000	19299999	5002.0	4176.1	M
2	1.647	1.653	-0.006	53274079	5002.0	5039.8	M
RPD = 18.74							
3 Isopropyl alcohol							
1	0.543	0.543	0.000	20460938	5010.0	4674.5	M
2	2.940	2.947	-0.007	57816085	5010.0	4997.0	M
RPD = 6.67							
4 Propanol							
1	0.730	0.730	0.000	31658335	5069.5	4868.0	M
2	3.507	3.523	-0.016	25580184	5069.5	3645.9	M
RPD = 28.71							
\$ 5 Acetone							
1	0.963	0.967	-0.004	17478647	5008.0	4663.2	
2	2.623	2.623	0.000	49320968	5008.0	4889.9	M
RPD = 4.75							
6 Isobutyl alcohol							
1	1.117	1.113	0.003	32417184	5144.2	4941.1	M
7 n-Butanol							
1	1.390	1.390	0.000	28364062	5169.0	5106.5	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME3_00026

Amount Added: 1.00

Units: mL

Report Date: 01-Dec-2021 08:17:42

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0019.D

Injection Date: 30-Nov-2021 15:59:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: ccv

Worklist Smp#:

19

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

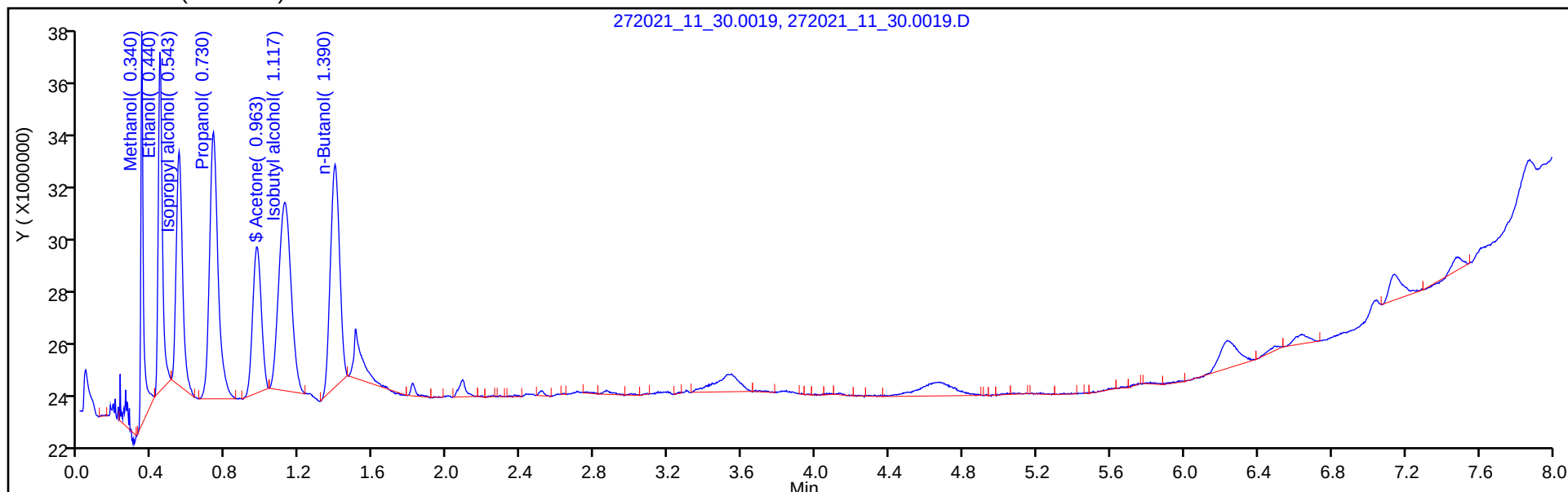
ALS Bottle#:

0

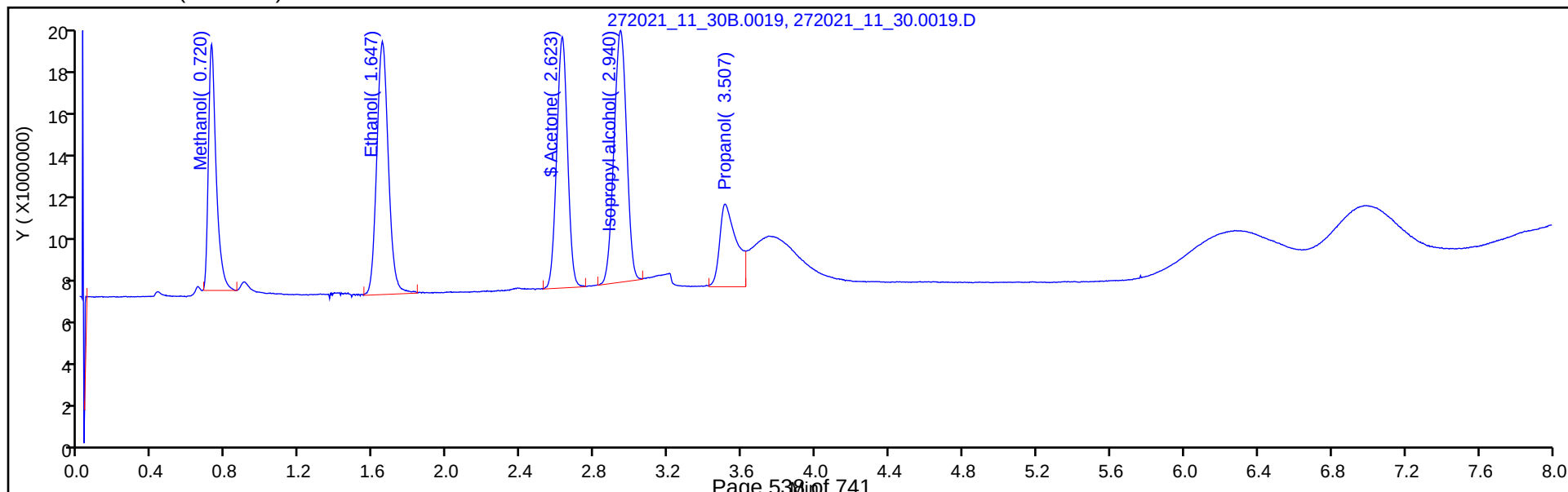
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

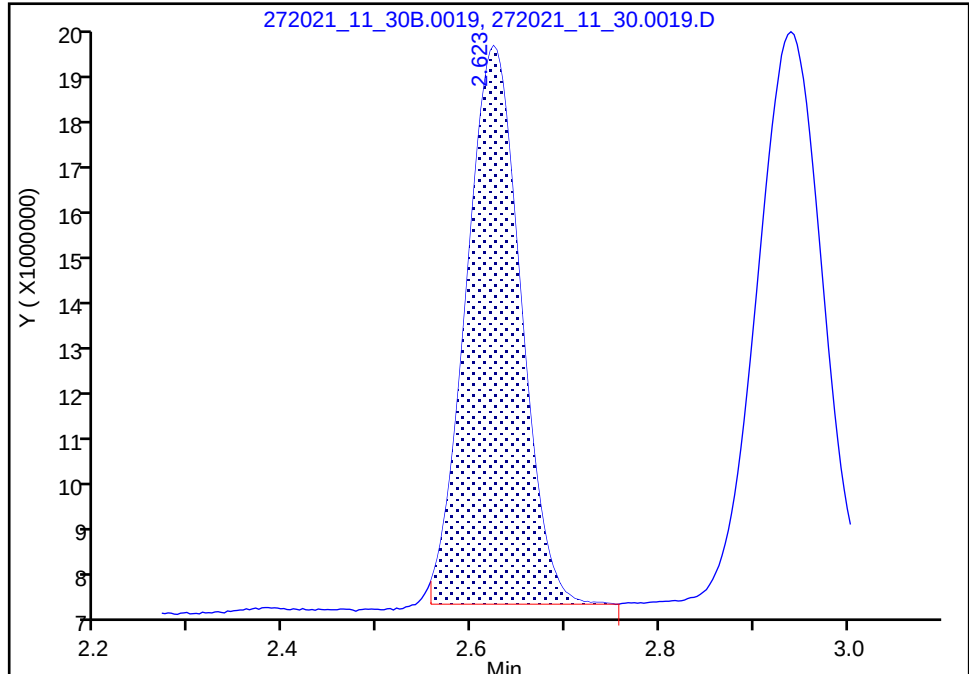
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0019.D
Injection Date: 30-Nov-2021 15:59:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

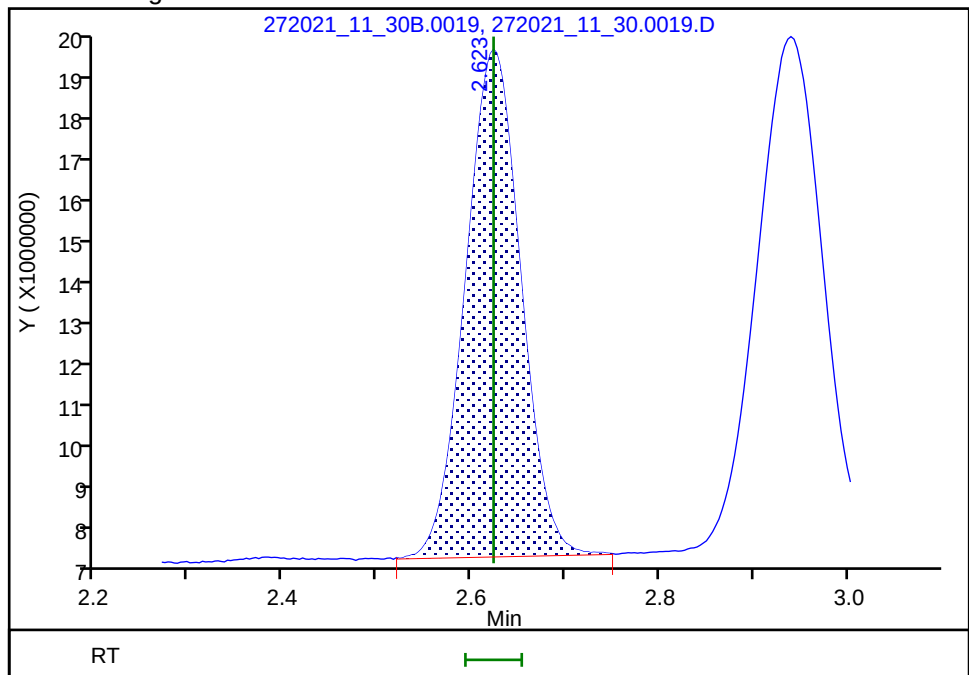
RT: 2.62
Area: 48353127
Amount: 4793.9193
Amount Units: ug/l

Processing Integration Results



RT: 2.62
Area: 49320968
Amount: 4889.8748
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 08:05:49
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 539 of 741

Eurofins Lancaster Laboratories Env, LLC

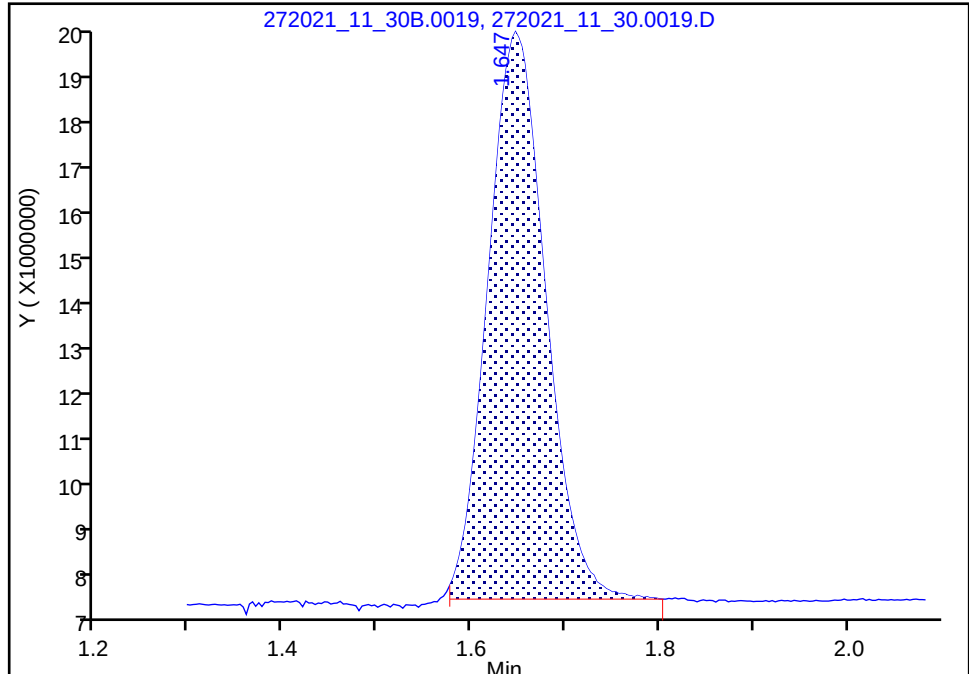
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0019.D
Injection Date: 30-Nov-2021 15:59:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

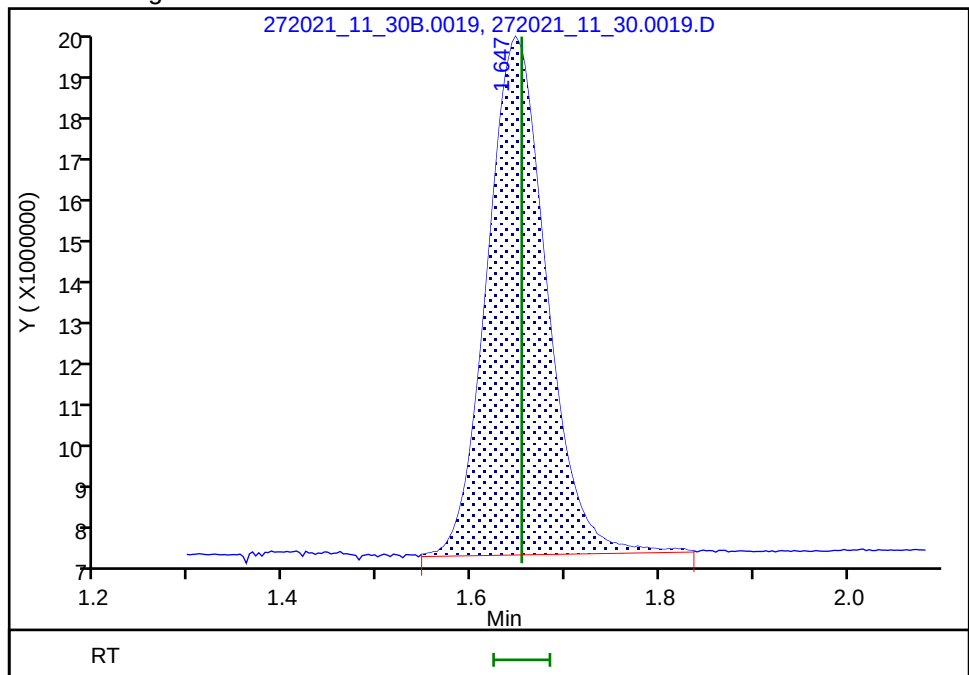
RT: 1.65
Area: 51327081
Amount: 4855.6563
Amount Units: ug/l

Processing Integration Results



RT: 1.65
Area: 53274079
Amount: 5039.8467
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 08:17:14

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

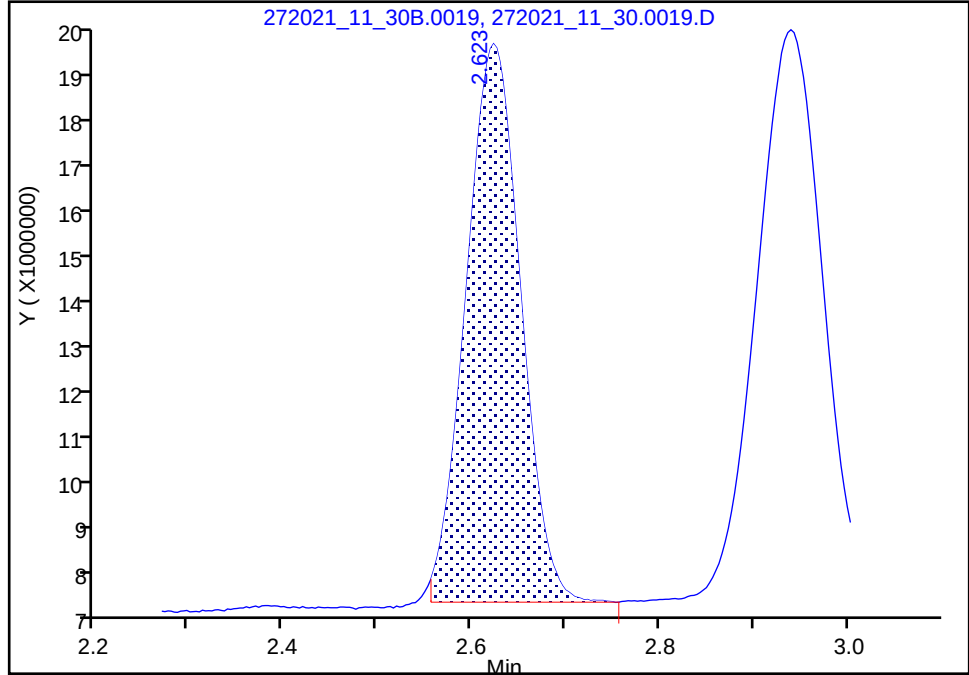
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0019.D
Injection Date: 30-Nov-2021 15:59:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

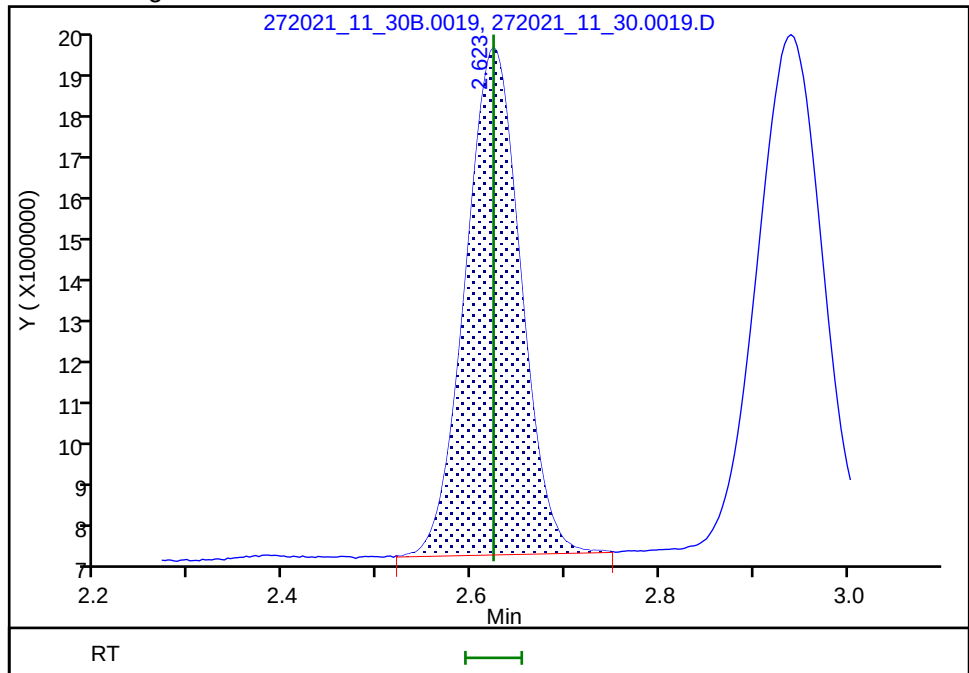
RT: 2.62
Area: 48353127
Amount: 4793.9193
Amount Units: ug/l

Processing Integration Results



RT: 2.62
Area: 49320968
Amount: 4889.8748
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 08:05:49
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 541 of 741

Eurofins Lancaster Laboratories Env, LLC

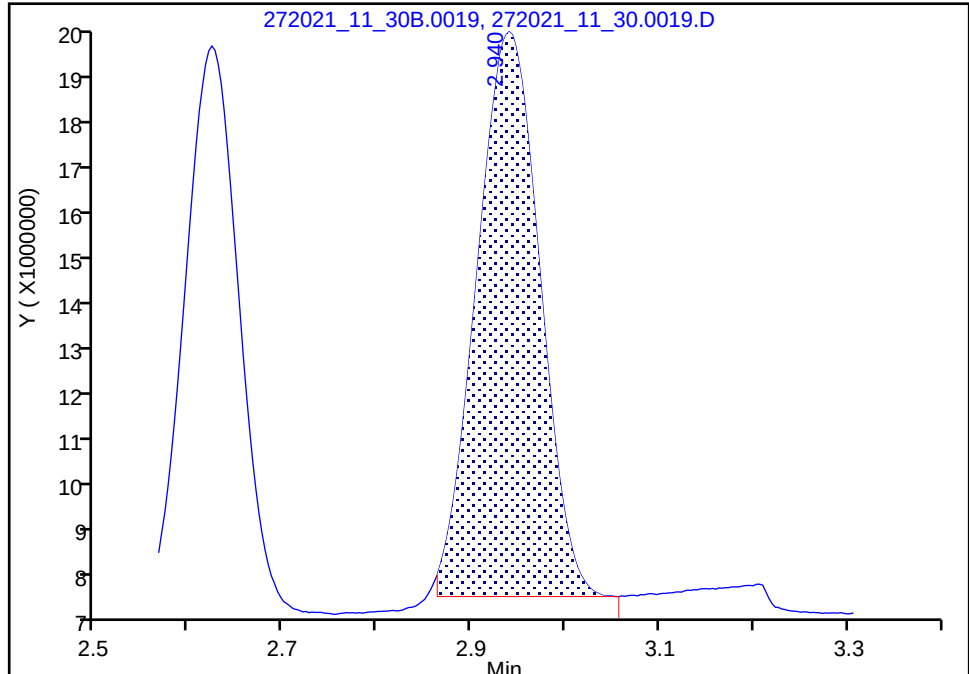
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0019.D
Injection Date: 30-Nov-2021 15:59:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

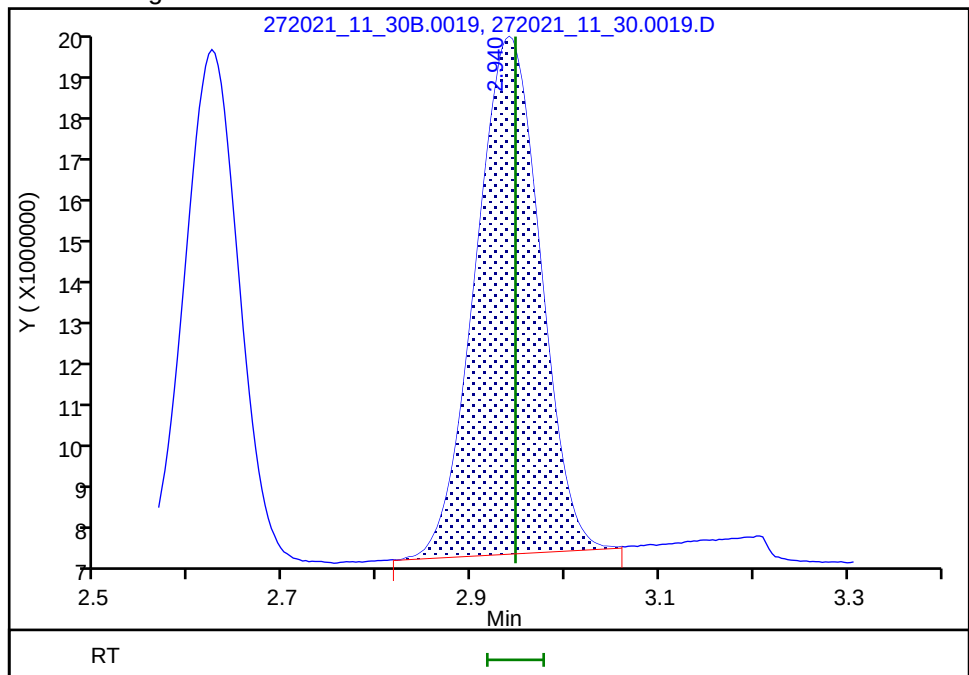
RT: 2.94
Area: 55733331
Amount: 4816.9470
Amount Units: ug/l

Processing Integration Results



RT: 2.94
Area: 57816085
Amount: 4996.9562
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 08:06:32
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 542 of 741

Eurofins Lancaster Laboratories Env, LLC

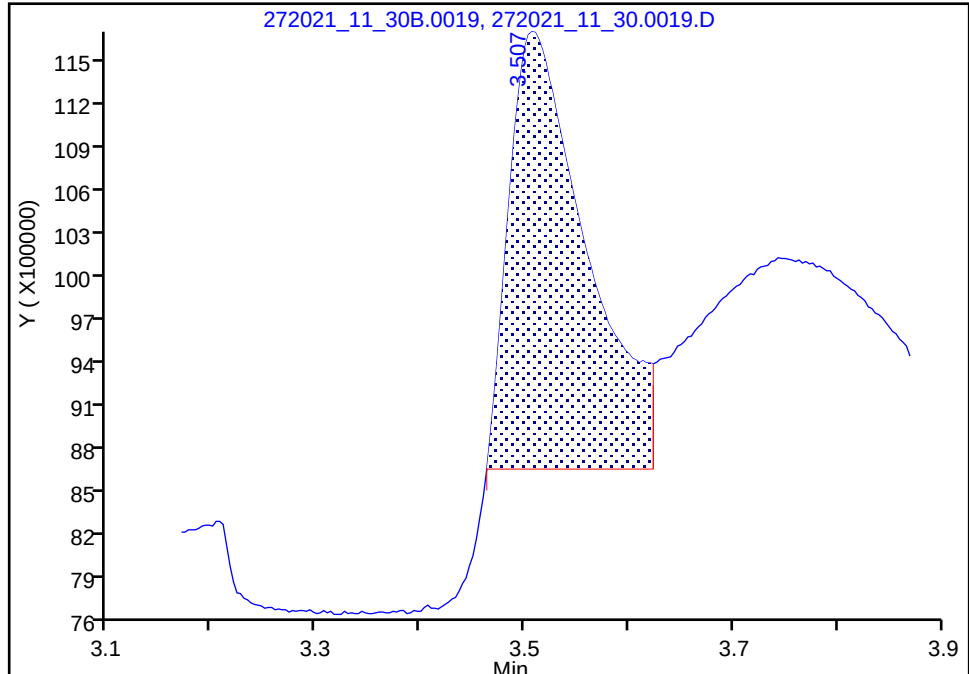
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0019.D
Injection Date: 30-Nov-2021 15:59:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

4 Propanol, CAS: 71-23-8

Signal: 2

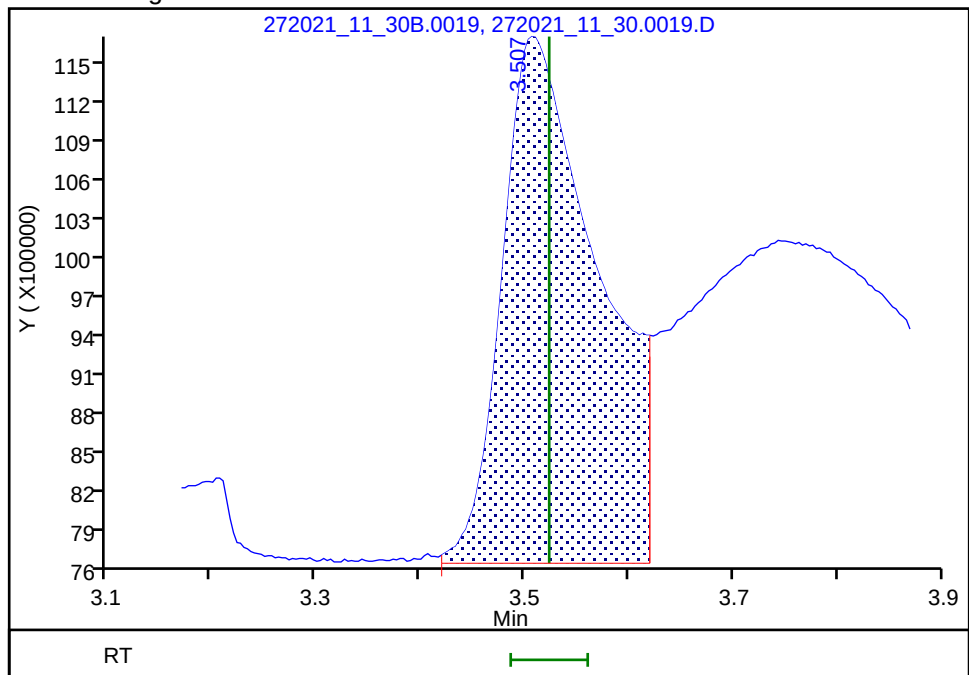
RT: 3.51
Area: 15409375
Amount: 2196.2948
Amount Units: ug/l

Processing Integration Results



RT: 3.51
Area: 25580184
Amount: 3645.9380
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 08:06:50

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
 SDG No.: _____
 Lab Sample ID: CCV 410-199563/26 Calibration Date: 11/30/2021 18:10
 Instrument ID: 2739 Calib Start Date: 11/30/2021 11:55
 GC Column: RTX200 ID: _____ Calib End Date: 11/30/2021 13:10
 Lab File ID: 272021_11_30.0026.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	3321	3111		4700	5010	-6.3	20.0
Ethanol	Ave	4622	4248		4600	5000	-8.1	20.0
Isopropanol	Ave	4377	4340		4970	5010	-0.8	20.0
1-Propanol	Lin		6328		4940	5070	-2.5	20.0
Isobutanol	Ave	6561	6482		5080	5140	-1.2	20.0
1-Butanol	Ave	5555	5740		5340	5170	3.3	20.0
Acetone	Ave	3748	3628		4850	5010	-3.2	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: CCV 410-199563/26 Calibration Date: 11/30/2021 18:10
Instrument ID: 2739 Calib Start Date: 11/30/2021 11:55
GC Column: RTX200 ID: _____ Calib End Date: 11/30/2021 13:10
Lab File ID: 272021_11_30.0026.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.34	0.31	0.37
Ethanol	0.44	0.41	0.47
Isopropanol	0.55	0.51	0.57
1-Propanol	0.73	0.70	0.76
Isobutanol	1.12	1.08	1.14
1-Butanol	1.39	1.36	1.42
Acetone	0.97	0.94	1.00

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0026.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 30-Nov-2021 18:10:00 ALS Bottle#: 0 Worklist Smp#: 26
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ccv
 Misc. Info.: 410-0045155-026
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 11:35:10 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 01-Dec-2021 08:18:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.340	0.340	0.000	15598437	5014.0	4696.7	M
2	0.717	0.720	-0.003	35409376	5014.0	5133.3	
RPD = 8.88							
2 Ethanol							M
1	0.440	0.440	0.000	21250523	5002.0	4598.2	M
2	1.643	1.653	-0.010	53577232	5002.0	5068.5	M
RPD = 9.73							
3 Isopropyl alcohol							M
1	0.547	0.543	0.004	21745835	5010.0	4968.1	M
2	2.937	2.947	-0.010	57790160	5010.0	4994.7	M
RPD = 0.54							
4 Propanol							M
1	0.730	0.730	0.000	32078130	5069.5	4940.9	M
2	3.507	3.523	-0.016	30892709	5069.5	4403.1	
RPD = 11.51							
\$ 5 Acetone							M
1	0.967	0.967	0.000	18170833	5008.0	4847.8	M
2	2.620	2.623	-0.003	48962157	5008.0	4854.3	M
RPD = 0.13							
6 Isobutyl alcohol							
1	1.117	1.113	0.003	33346876	5144.2	5082.8	
7 n-Butanol							
1	1.390	1.390	0.000	29671877	5169.0	5341.9	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME3_00026

Amount Added: 1.00

Units: mL

Report Date: 01-Dec-2021 11:35:10

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0026.D

Injection Date: 30-Nov-2021 18:10:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: ccv

Worklist Smp#:

26

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

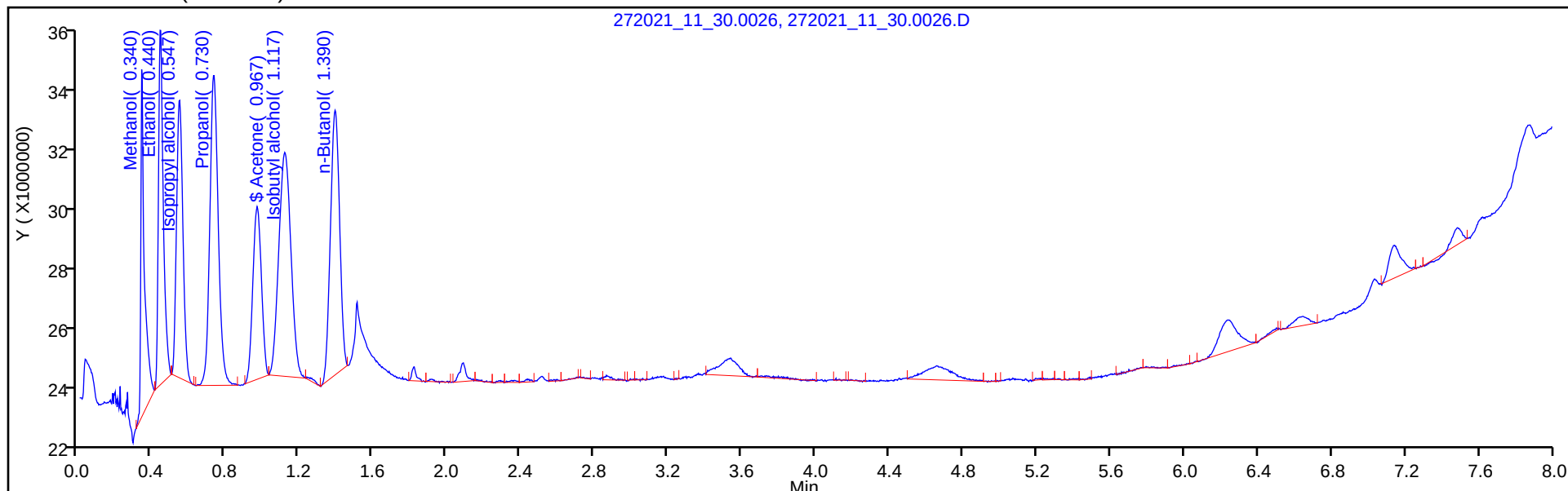
ALS Bottle#:

0

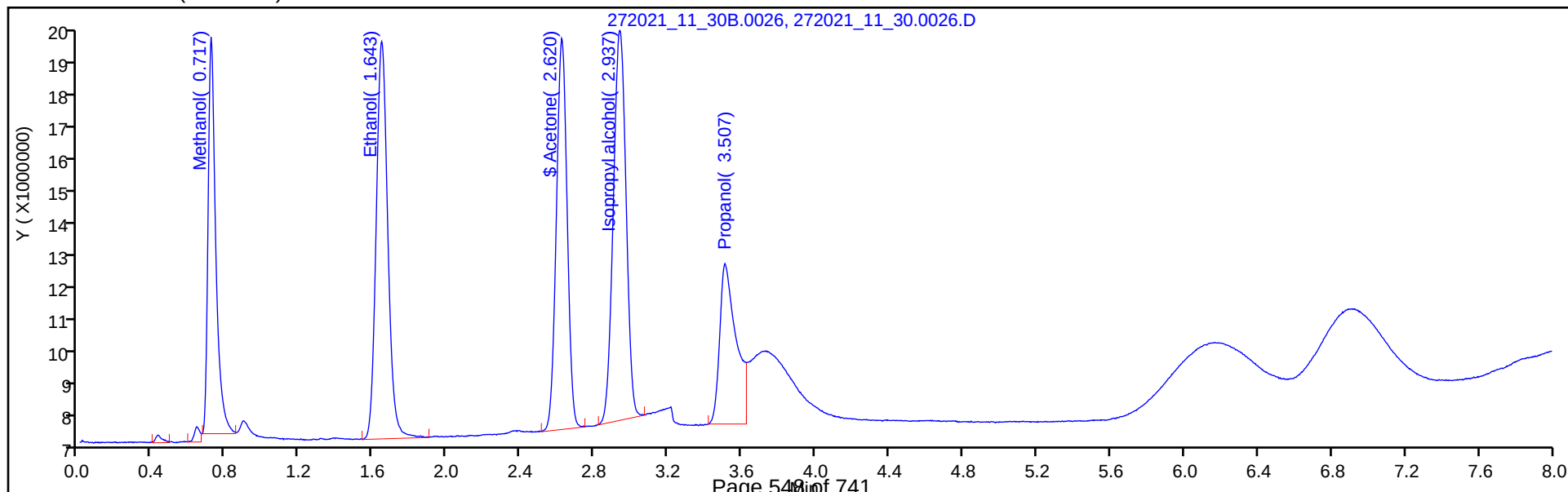
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

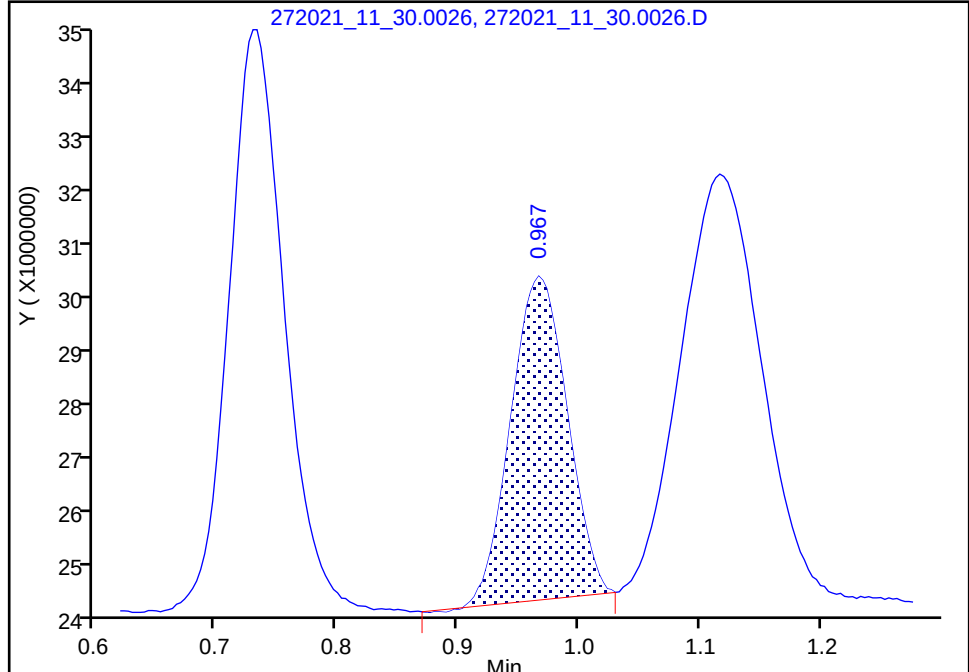
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0026.D
Injection Date: 30-Nov-2021 18:10:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

\$ 5 Acetone, CAS: 67-64-1

Signal: 1

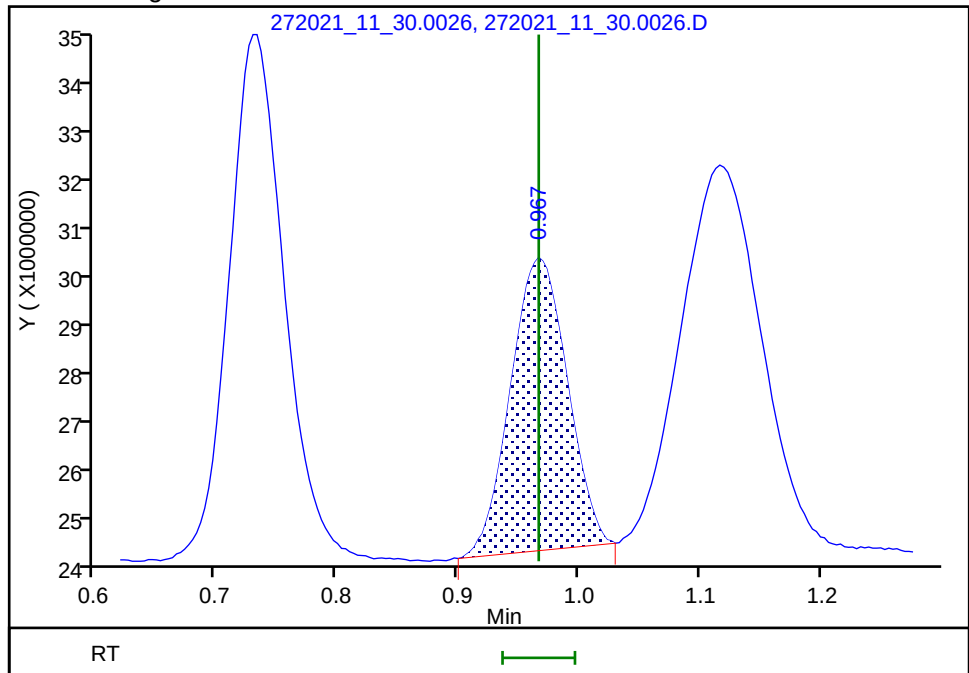
RT: 0.97
Area: 18054168
Amount: 4816.7154
Amount Units: ug/l

Processing Integration Results



RT: 0.97
Area: 18170833
Amount: 4847.8407
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 11:21:10

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

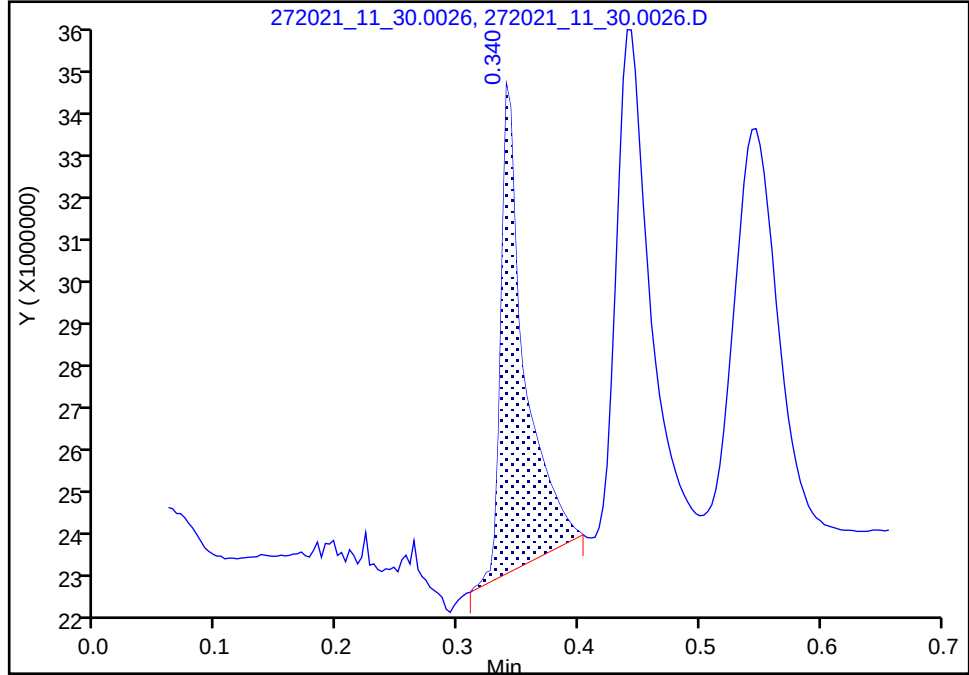
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0026.D
Injection Date: 30-Nov-2021 18:10:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

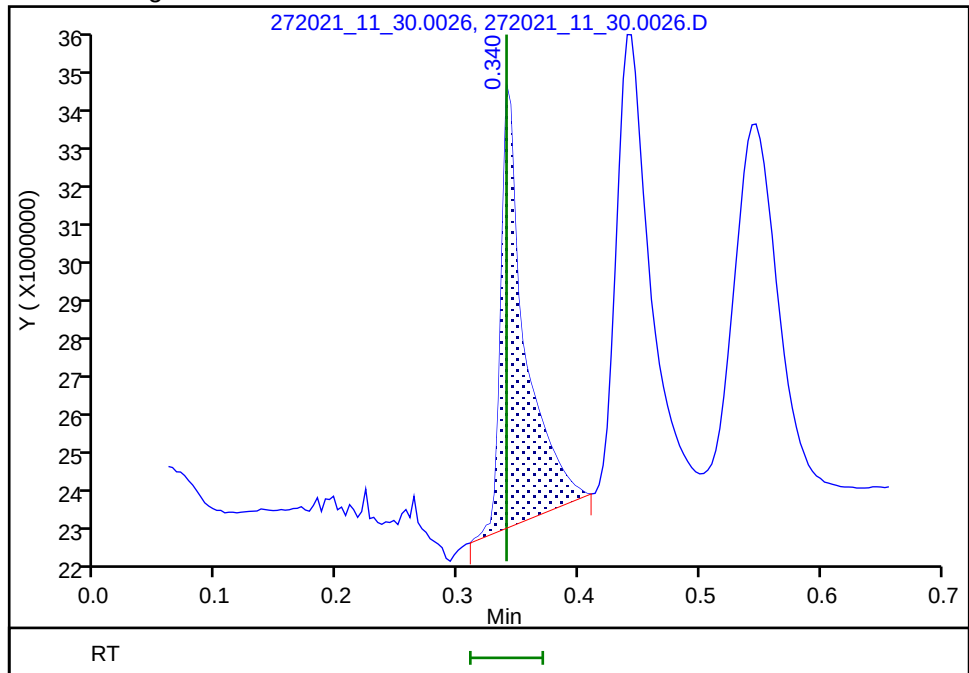
RT: 0.34
Area: 15135939
Amount: 4557.4690
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 15598437
Amount: 4696.7283
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 08:18:20

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

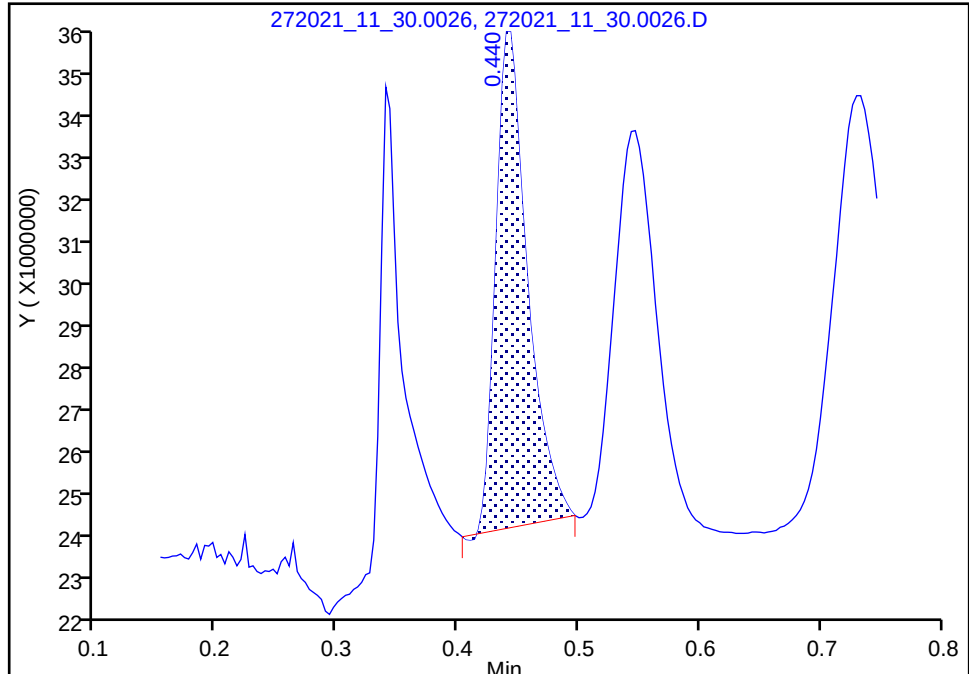
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0026.D
Injection Date: 30-Nov-2021 18:10:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

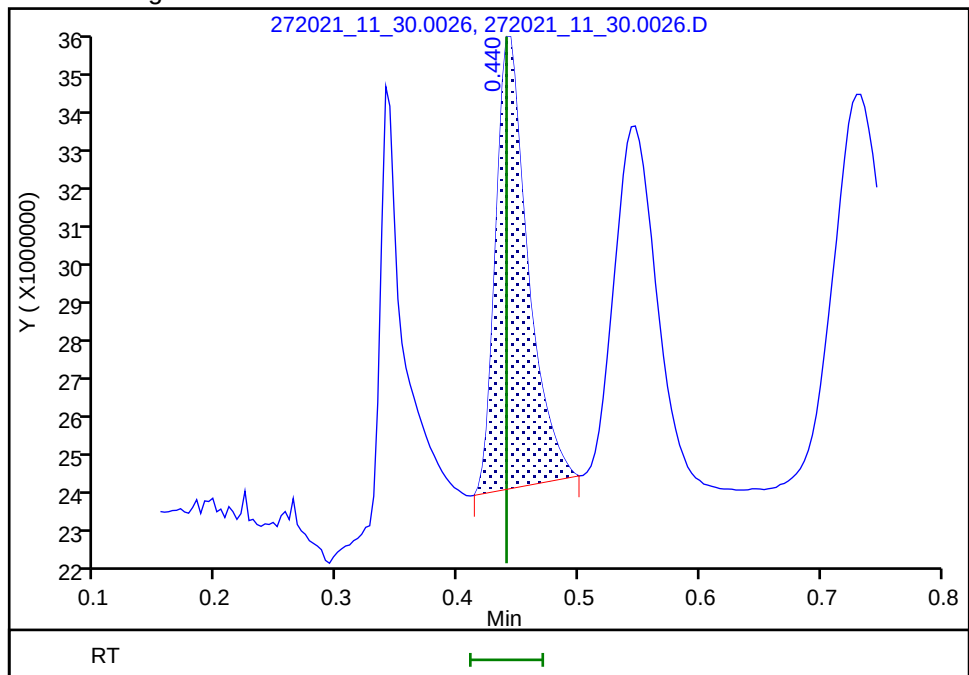
RT: 0.44
Area: 20742710
Amount: 4488.2912
Amount Units: ug/l

Processing Integration Results



RT: 0.44
Area: 21250523
Amount: 4598.1713
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 08:18:14
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

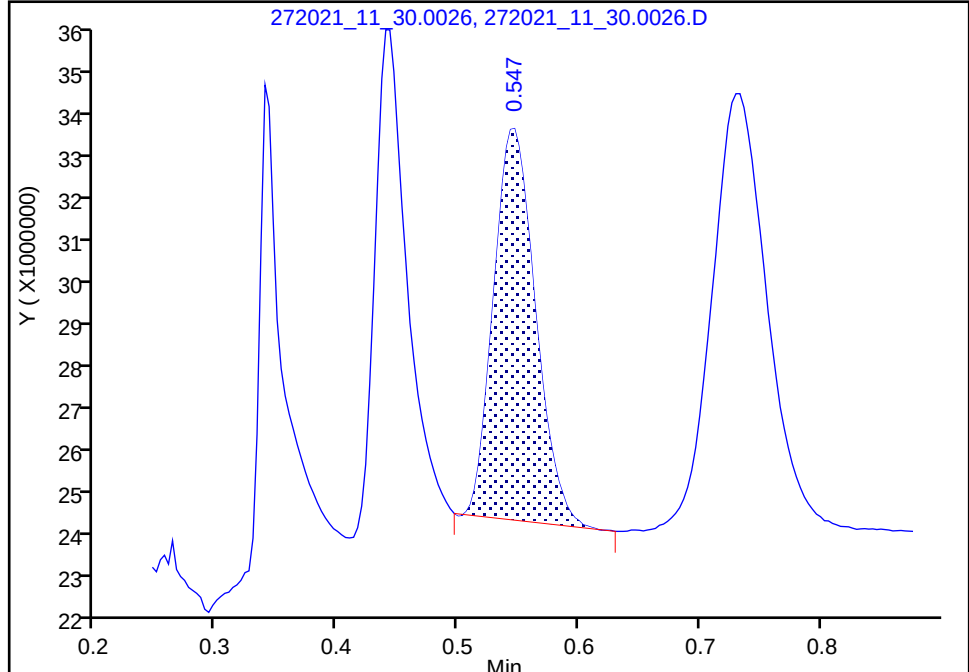
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0026.D
Injection Date: 30-Nov-2021 18:10:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector 0FIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

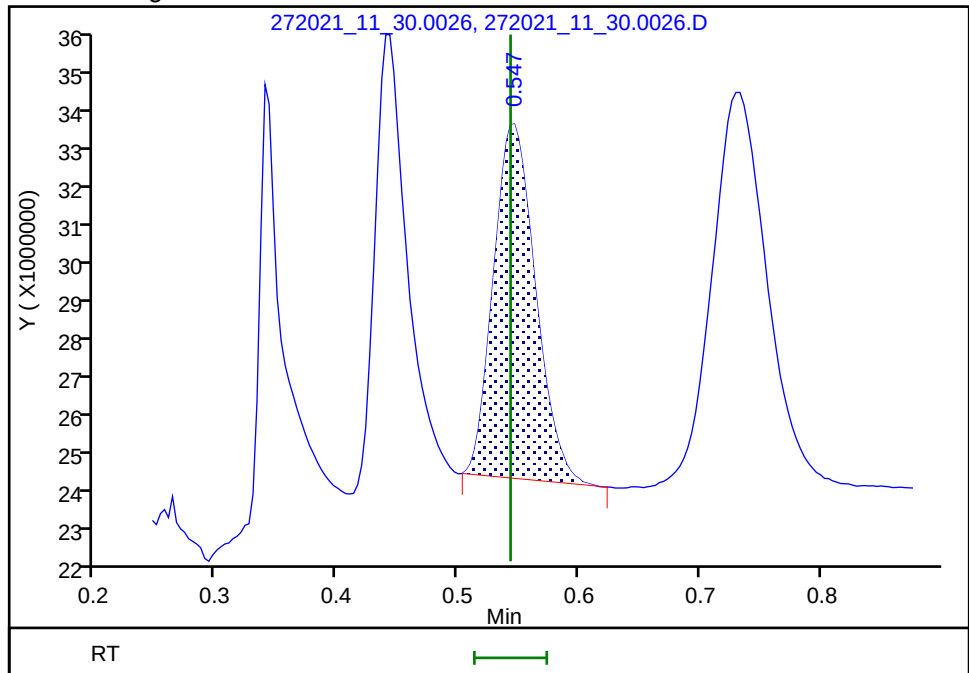
RT: 0.55
Area: 21681772
Amount: 4953.4202
Amount Units: ug/l

Processing Integration Results



RT: 0.55
Area: 21745835
Amount: 4968.0560
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 08:18:12
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
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Eurofins Lancaster Laboratories Env, LLC

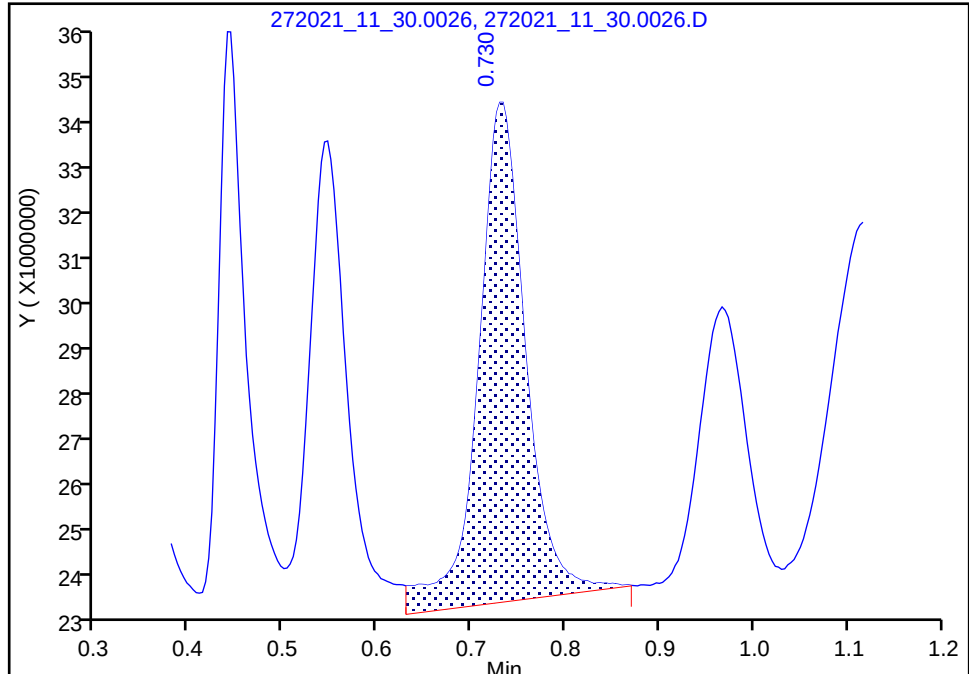
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Injection Date: 30-Nov-2021 18:10:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

4 Propanol, CAS: 71-23-8

Signal: 1

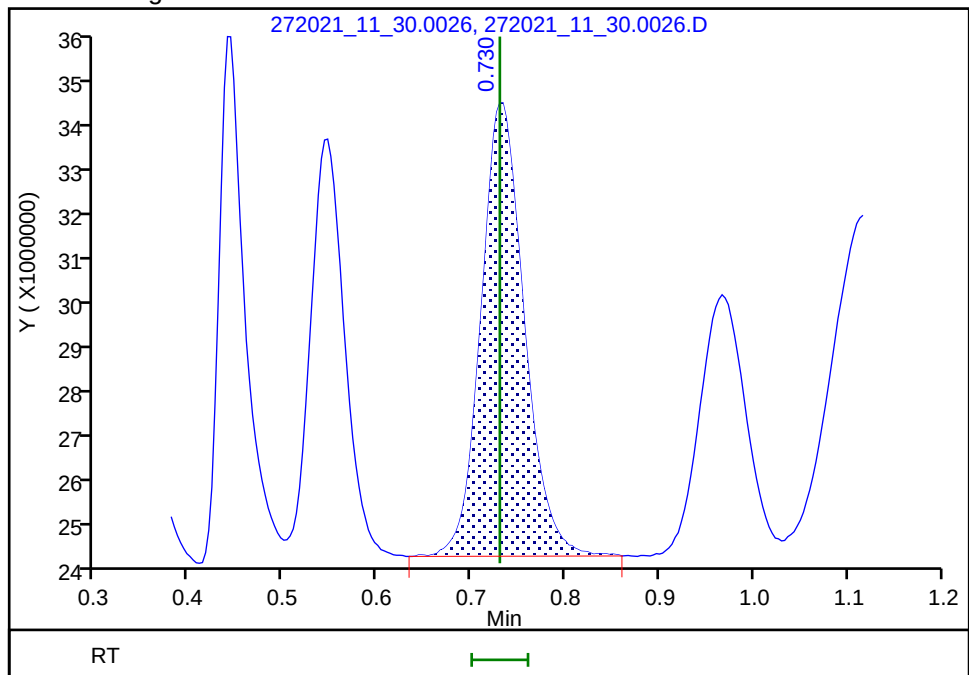
RT: 0.73
Area: 36482895
Amount: 5706.0337
Amount Units: ug/l

Processing Integration Results



RT: 0.73
Area: 32078130
Amount: 4940.8921
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 11:21:05
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

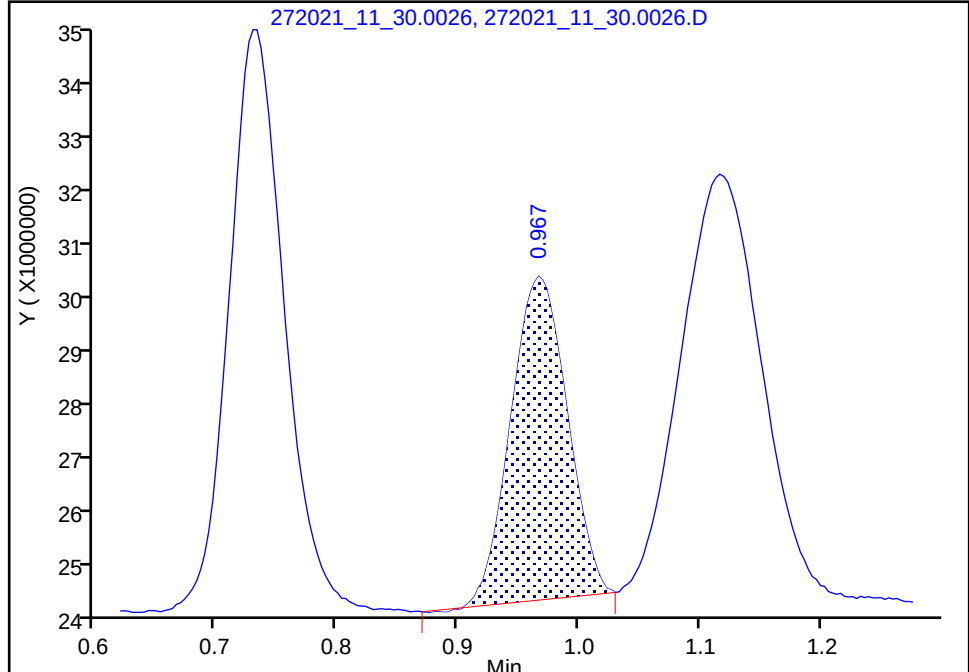
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0026.D
Injection Date: 30-Nov-2021 18:10:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

\$ 5 Acetone, CAS: 67-64-1

Signal: 1

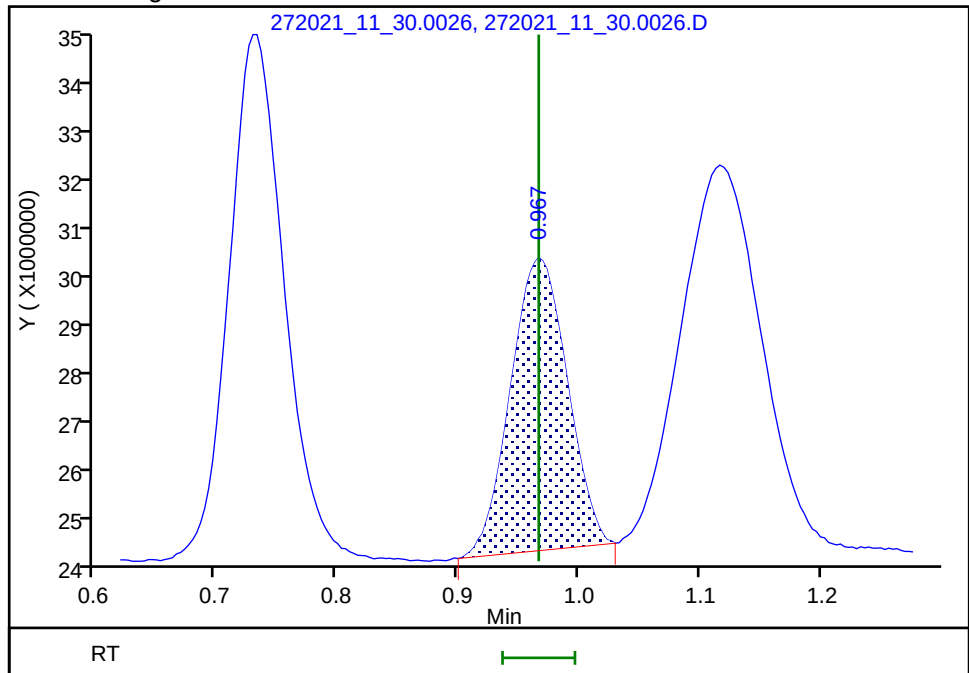
RT: 0.97
Area: 18054168
Amount: 4816.7154
Amount Units: ug/l

Processing Integration Results



RT: 0.97
Area: 18170833
Amount: 4847.8407
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 11:21:10
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
 SDG No.: _____
 Lab Sample ID: CCV 410-199563/26 Calibration Date: 11/30/2021 18:10
 Instrument ID: 2739 Calib Start Date: 11/30/2021 11:55
 GC Column: SP1000 ID: _____ Calib End Date: 11/30/2021 13:10
 Lab File ID: 272021_11_30.0026.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	6898	7062		5130	5010	2.4	20.0
Ethanol	Ave	10571	10711		5070	5000	1.3	20.0
Isopropanol	Ave	11570	11535		4990	5010	-0.3	20.0
1-Propanol	Ave	7016	6094		4400	5070	-13.1	20.0
Acetone	Ave	10086	9777		4850	5010	-3.1	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: CCV 410-199563/26 Calibration Date: 11/30/2021 18:10
Instrument ID: 2739 Calib Start Date: 11/30/2021 11:55
GC Column: SP1000 ID: _____ Calib End Date: 11/30/2021 13:10
Lab File ID: 272021_11_30.0026.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.72	0.69	0.75
Ethanol	1.64	1.62	1.68
Isopropanol	2.94	2.92	2.98
1-Propanol	3.51	3.49	3.56
Acetone	2.62	2.59	2.65

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0026.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 30-Nov-2021 18:10:00 ALS Bottle#: 0 Worklist Smp#: 26
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ccv
 Misc. Info.: 410-0045155-026
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 11:35:10 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 01-Dec-2021 08:18:50

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							
1	0.340	0.340	0.000	15598437	5014.0	4696.7	M
2	0.717	0.720	-0.003	35409376	5014.0	5133.3	
						RPD = 8.88	
2 Ethanol							
1	0.440	0.440	0.000	21250523	5002.0	4598.2	M
2	1.643	1.653	-0.010	53577232	5002.0	5068.5	M
						RPD = 9.73	
3 Isopropyl alcohol							
1	0.547	0.543	0.004	21745835	5010.0	4968.1	M
2	2.937	2.947	-0.010	57790160	5010.0	4994.7	M
						RPD = 0.54	
4 Propanol							
1	0.730	0.730	0.000	32078130	5069.5	4940.9	M
2	3.507	3.523	-0.016	30892709	5069.5	4403.1	
						RPD = 11.51	
\$ 5 Acetone							
1	0.967	0.967	0.000	18170833	5008.0	4847.8	M
2	2.620	2.623	-0.003	48962157	5008.0	4854.3	M
						RPD = 0.13	
6 Isobutyl alcohol							
1	1.117	1.113	0.003	33346876	5144.2	5082.8	
7 n-Butanol							
1	1.390	1.390	0.000	29671877	5169.0	5341.9	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME3_00026

Amount Added: 1.00

Units: mL

Report Date: 01-Dec-2021 11:35:11

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0026.D

Injection Date: 30-Nov-2021 18:10:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: ccv

Worklist Smp#:

26

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

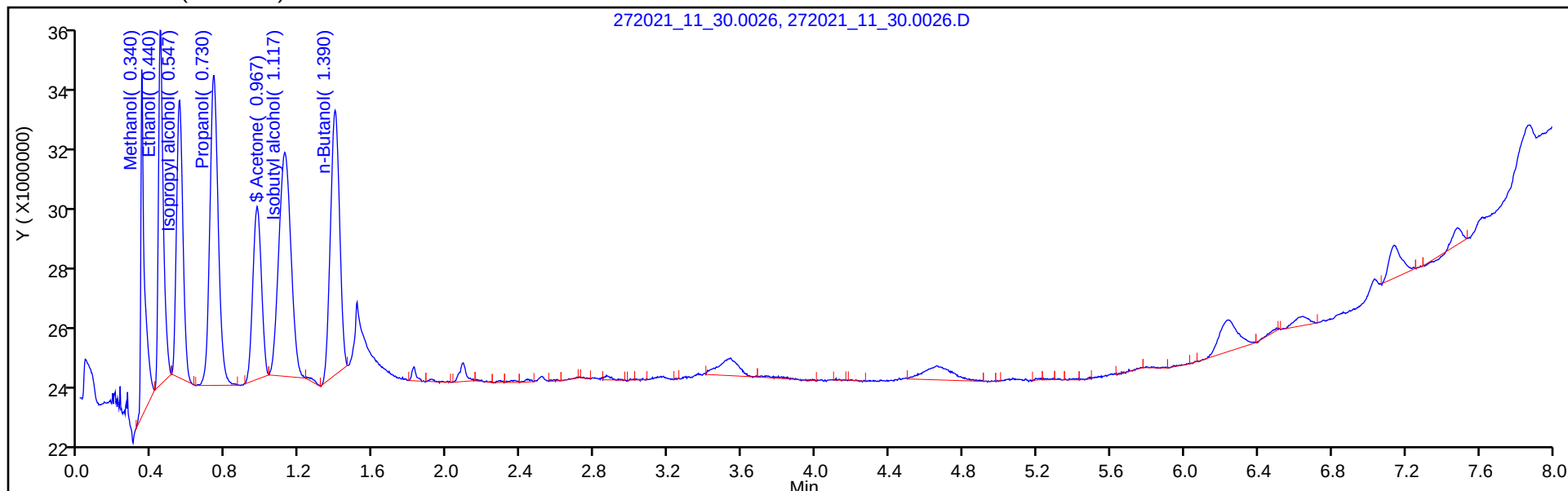
ALS Bottle#:

0

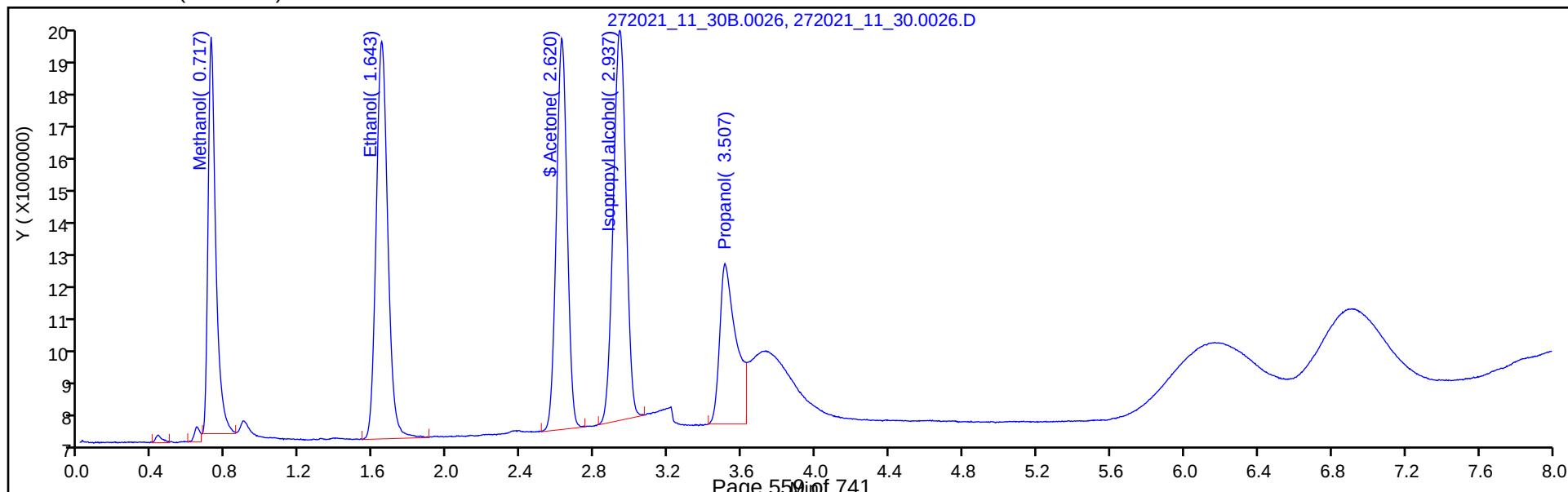
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

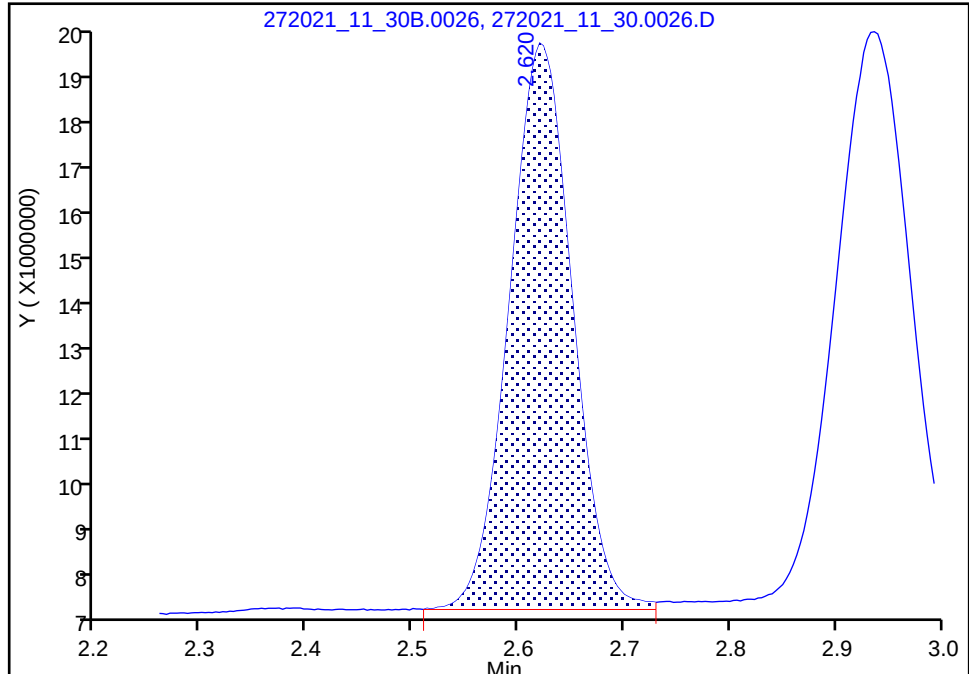
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0026.D
Injection Date: 30-Nov-2021 18:10:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

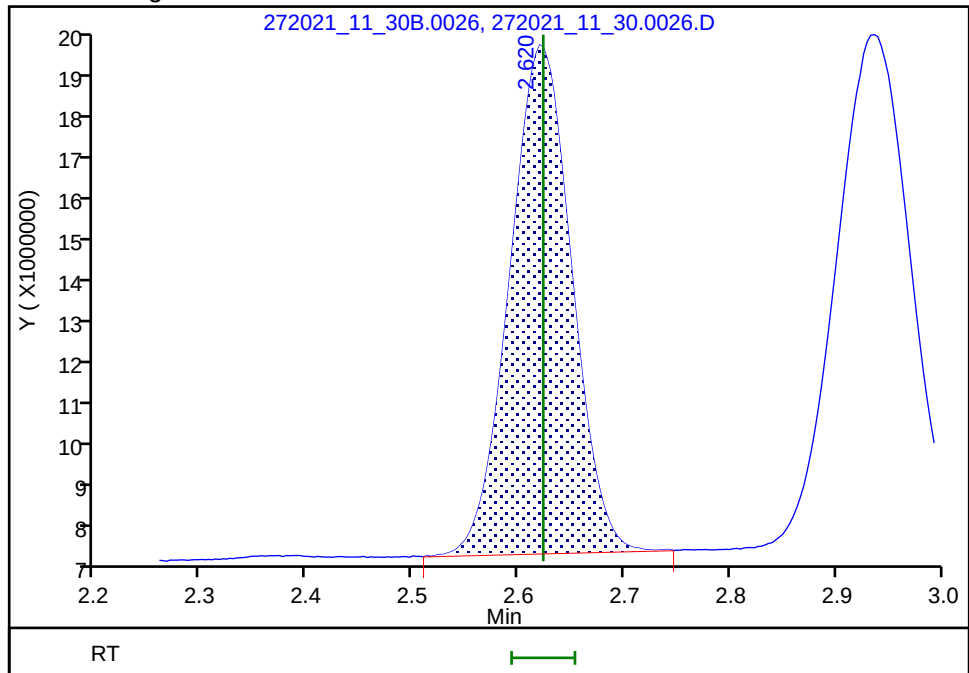
RT: 2.62
Area: 49819794
Amount: 4939.3304
Amount Units: ug/l

Processing Integration Results



RT: 2.62
Area: 48962157
Amount: 4854.3009
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 11:21:40
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
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Eurofins Lancaster Laboratories Env, LLC

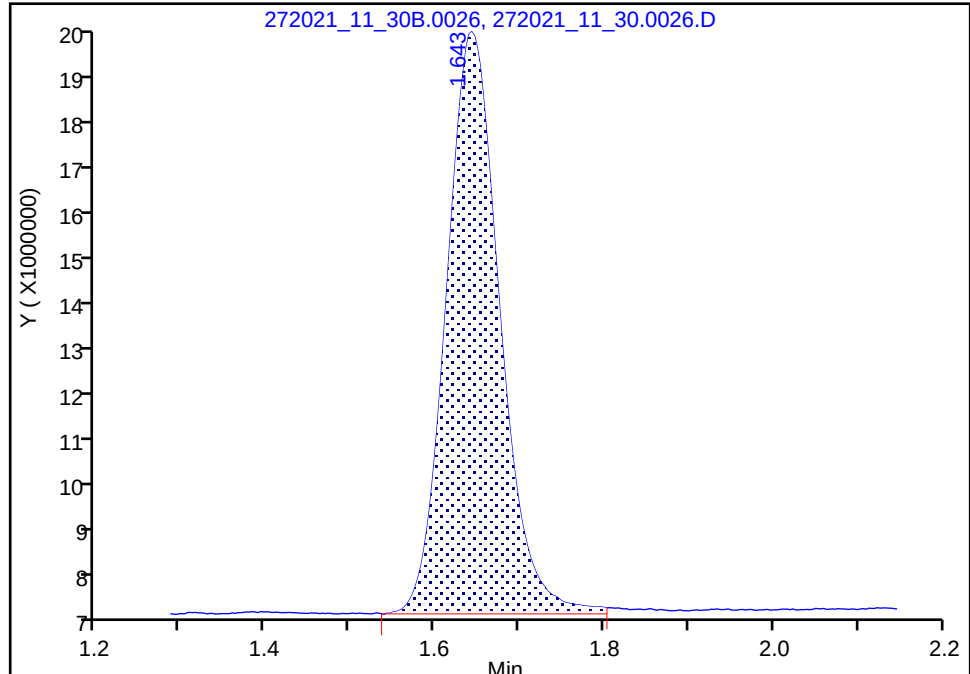
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0026.D
Injection Date: 30-Nov-2021 18:10:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

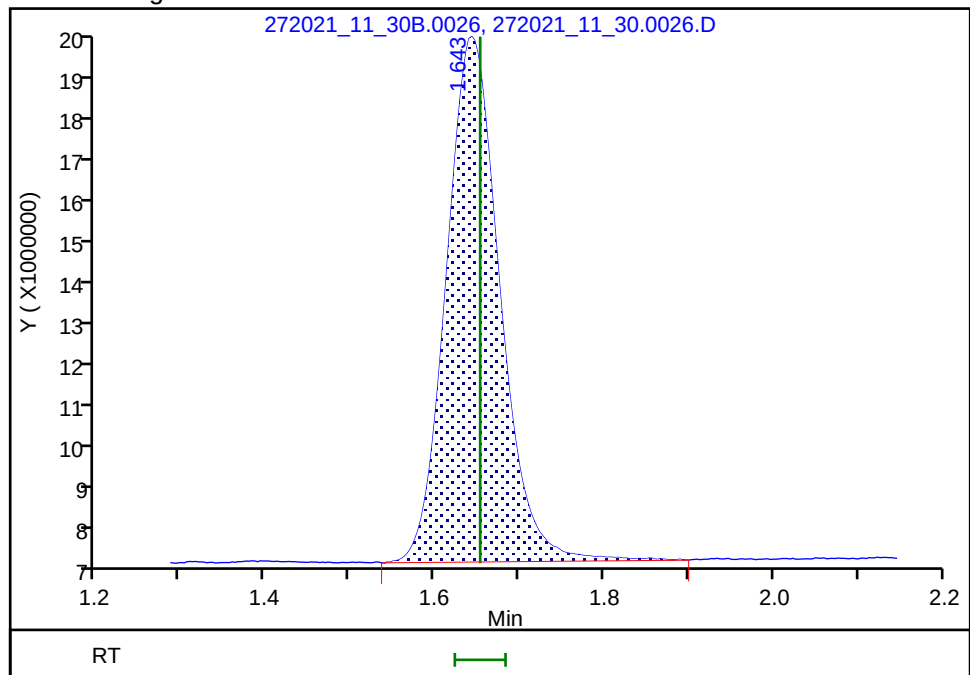
RT: 1.64
Area: 53706246
Amount: 5080.7307
Amount Units: ug/l

Processing Integration Results



RT: 1.64
Area: 53577232
Amount: 5068.5257
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 11:21:24
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 561 of 741

Eurofins Lancaster Laboratories Env, LLC

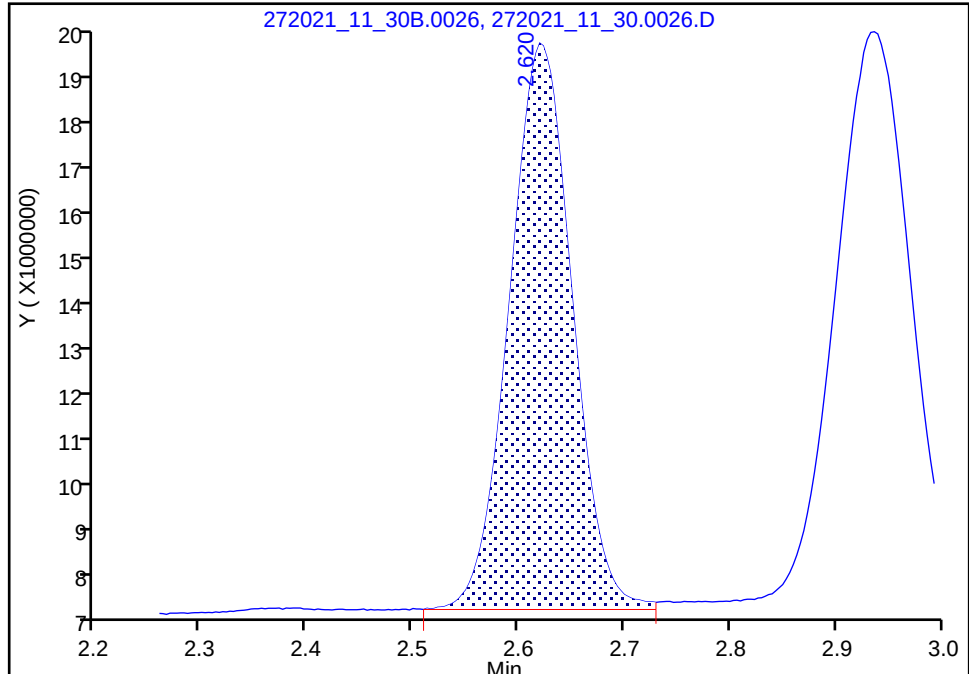
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0026.D
Injection Date: 30-Nov-2021 18:10:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

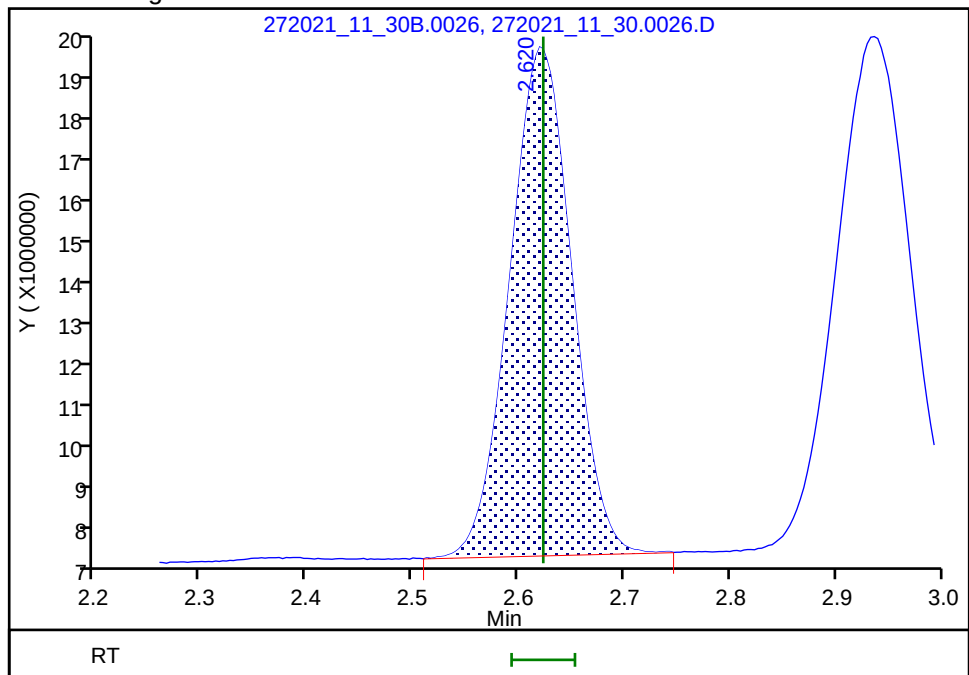
RT: 2.62
Area: 49819794
Amount: 4939.3304
Amount Units: ug/l

Processing Integration Results



RT: 2.62
Area: 48962157
Amount: 4854.3009
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 11:21:40
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
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Eurofins Lancaster Laboratories Env, LLC

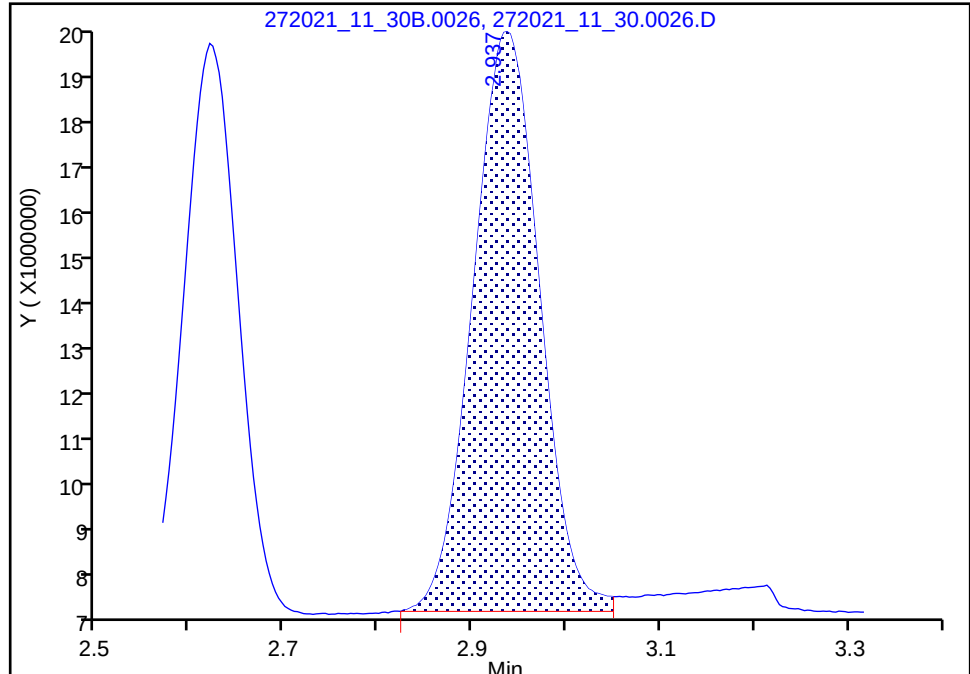
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0026.D
Injection Date: 30-Nov-2021 18:10:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

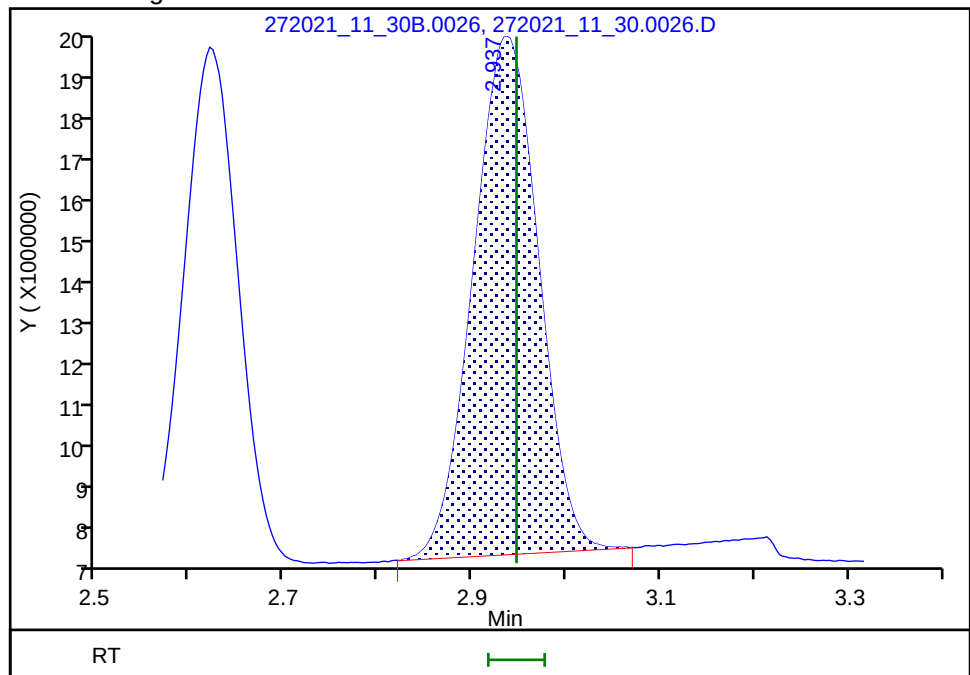
RT: 2.94
Area: 59598956
Amount: 5151.0471
Amount Units: ug/l

Processing Integration Results



RT: 2.94
Area: 57790160
Amount: 4994.7156
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 11:21:35
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 563 of 741

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
 SDG No.: _____
 Lab Sample ID: ICV 410-201167/13 Calibration Date: 12/03/2021 16:00
 Instrument ID: 2739 Calib Start Date: 12/03/2021 13:49
 GC Column: RTX200 ID: _____ Calib End Date: 12/03/2021 15:04
 Lab File ID: 272021_12_3.0017.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	2493	2618		5490	5230	5.0	20.0
Ethanol	Ave	3693	3564		5410	5600	-3.5	20.0
Isopropanol	Ave	3745	3718		5060	5100	-0.7	20.0
1-Propanol	Lin		6646		4850	5090	-4.8	20.0
Isobutanol	Ave	6474	6204		4780	4990	-4.2	20.0
1-Butanol	Ave	5291	5572		5420	5150	5.3	20.0
Acetone	Ave	3177	3144		4960	5010	-1.0	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: ICV 410-201167/13 Calibration Date: 12/03/2021 16:00
Instrument ID: 2739 Calib Start Date: 12/03/2021 13:49
GC Column: RTX200 ID: _____ Calib End Date: 12/03/2021 15:04
Lab File ID: 272021_12_3.0017.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.34	0.31	0.37
Ethanol	0.44	0.41	0.47
Isopropanol	0.54	0.51	0.57
1-Propanol	0.72	0.70	0.76
Isobutanol	1.11	1.08	1.14
1-Butanol	1.38	1.35	1.41
Acetone	0.96	0.93	0.99

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0017.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 03-Dec-2021 16:00:00 ALS Bottle#: 0 Worklist Smp#: 13
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: icv
 Misc. Info.: 410-0045468-013
 Operator ID: Administrator Instrument ID: 2739
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:42:14 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 07:10:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							
1	0.337	0.337	0.000	13691145	5228.7	5491.5	M
2	0.713	0.723	-0.010	39277935	5228.7	5267.0	
						RPD = 4.17	
2 Ethanol							
1	0.437	0.437	0.000	19964583	5601.9	5406.6	M
2	1.637	1.640	-0.003	61233328	5601.9	5598.0	M
						RPD = 3.48	
3 Isopropyl alcohol							
1	0.540	0.540	0.000	18958853	5099.5	5061.8	M
2	2.897	2.900	-0.003	61360944	5099.5	5157.2	M
						RPD = 1.87	
4 Propanol							
1	0.723	0.727	-0.004	33859894	5094.4	4849.4	M
2	3.453	3.463	-0.010	71168752	5094.4	5011.7	
						RPD = 3.29	
\$ 5 Acetone							
1	0.960	0.960	0.000	15747394	5008.0	4957.3	
2	2.583	2.587	-0.004	47226039	5008.0	4751.8	M
						RPD = 4.23	
6 Isobutyl alcohol							
1	1.110	1.110	0.000	30956766	4990.0	4781.4	
7 n-Butanol							
1	1.380	1.383	-0.003	28697395	5149.8	5424.0	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLMEICV_00008

Amount Added: 1.00

Units: mL

Report Date: 04-Dec-2021 07:42:15

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0017.D

Injection Date: 03-Dec-2021 16:00:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: icv

Worklist Smp#:

13

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

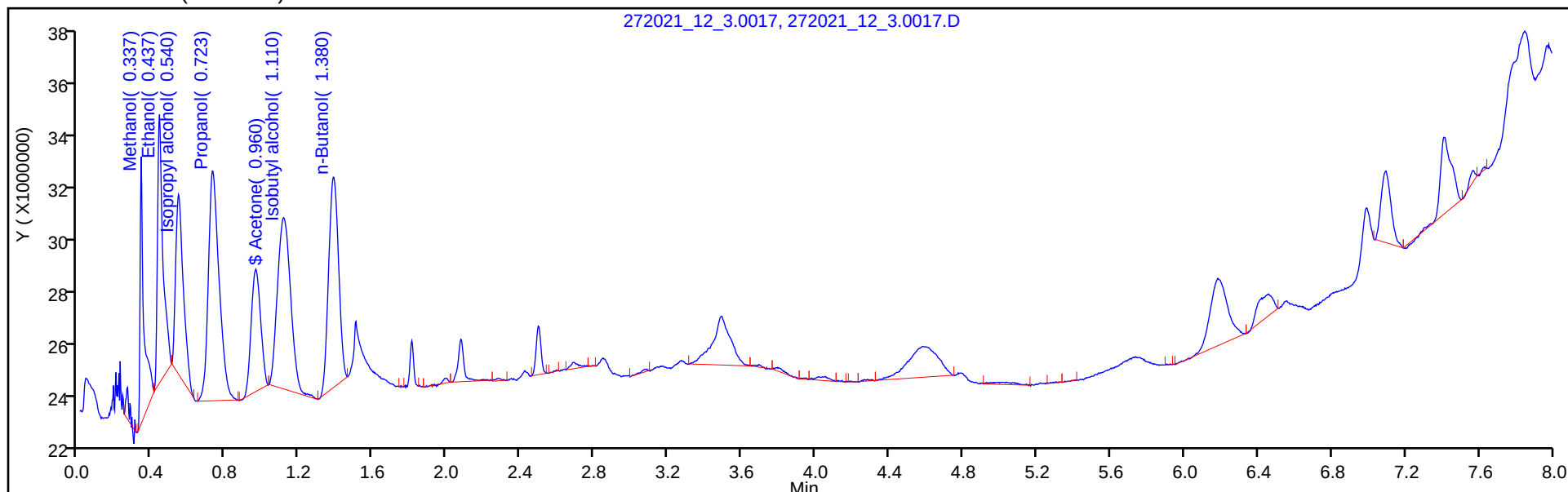
ALS Bottle#:

0

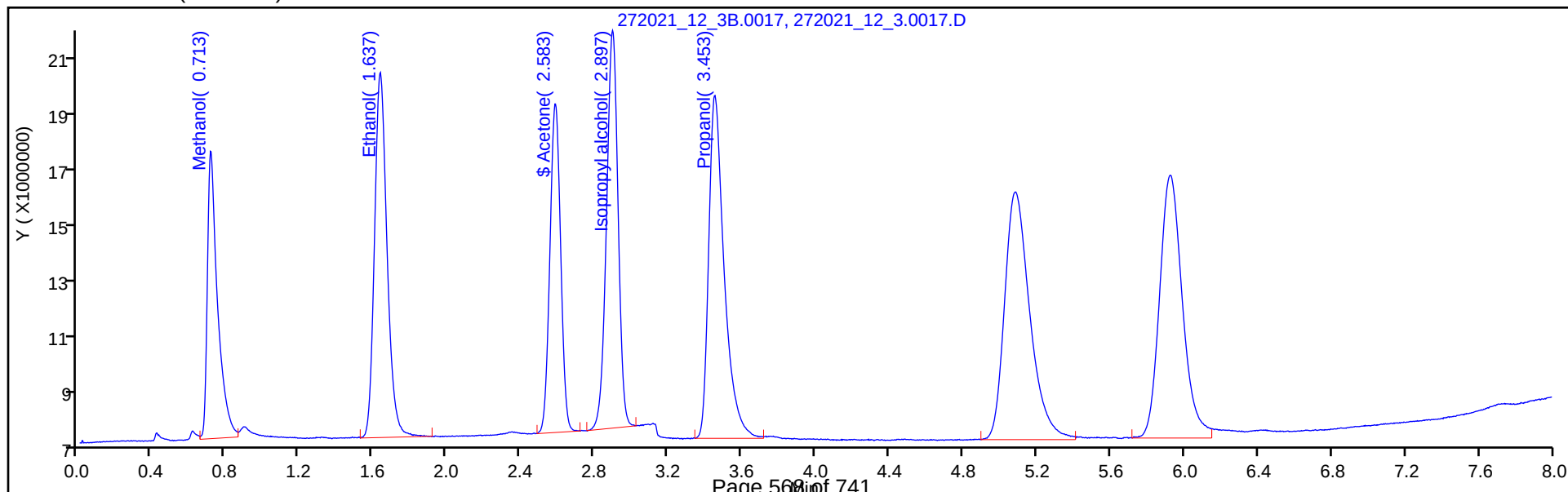
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

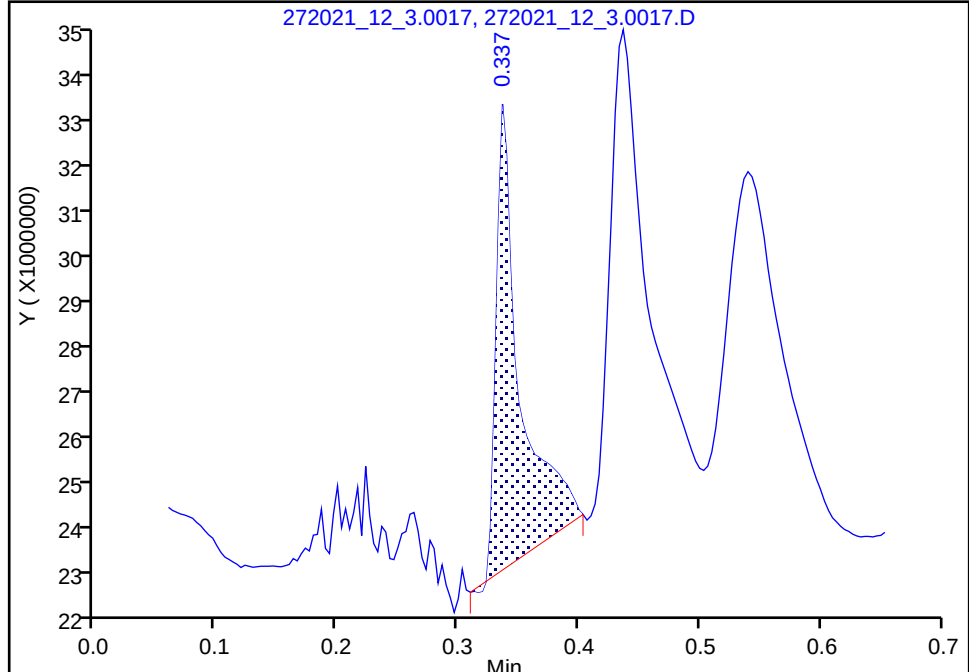
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0017.D
Injection Date: 03-Dec-2021 16:00:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector 0FIDA

1 Methanol, CAS: 67-56-1

Signal: 1

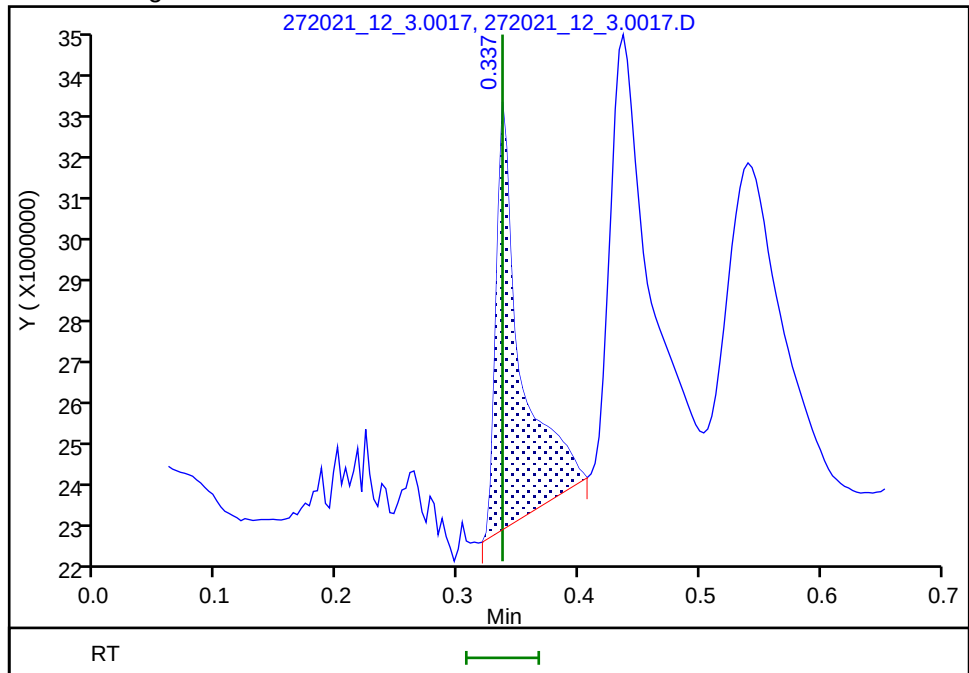
RT: 0.34
Area: 12829689
Amount: 5145.9907
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 13691145
Amount: 5491.5209
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:38:53

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

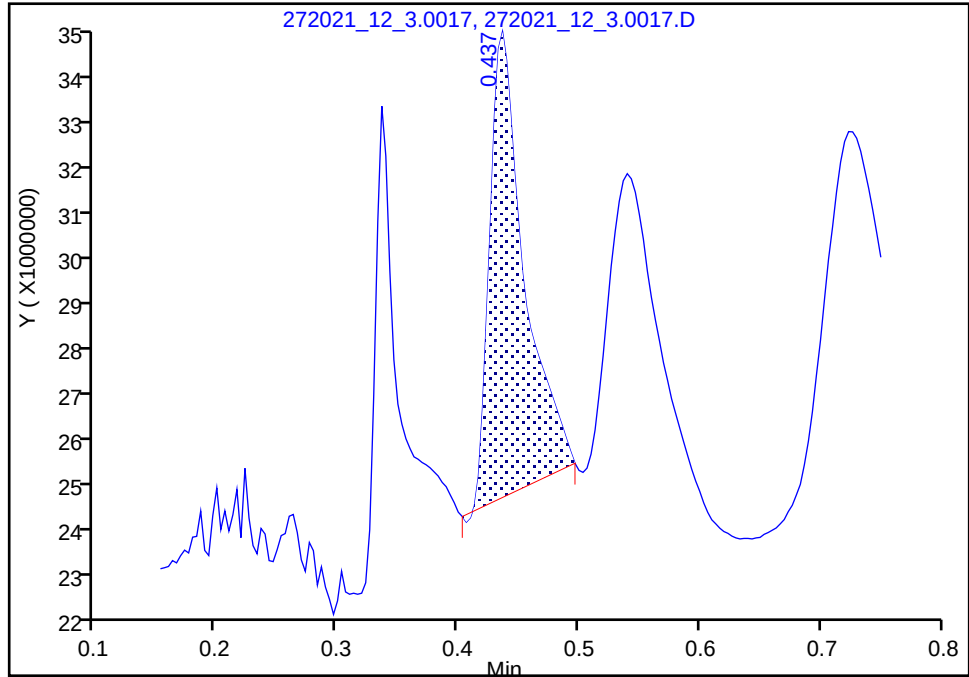
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0017.D
Injection Date: 03-Dec-2021 16:00:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

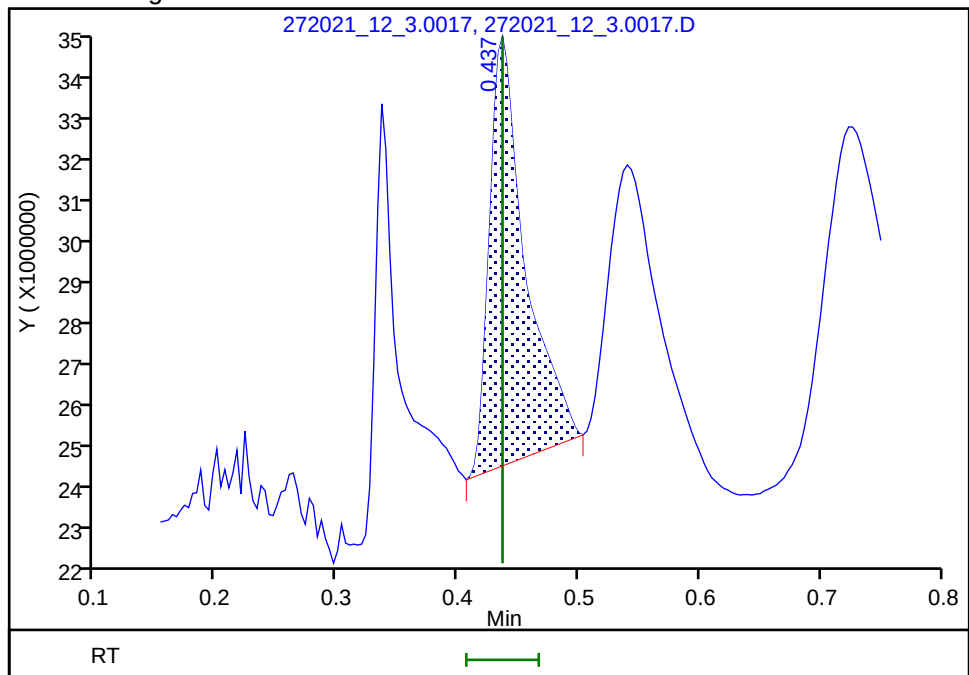
RT: 0.44
Area: 18798438
Amount: 5090.7666
Amount Units: ug/l

Processing Integration Results



RT: 0.44
Area: 19964583
Amount: 5406.5680
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:38:49
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
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Eurofins Lancaster Laboratories Env, LLC

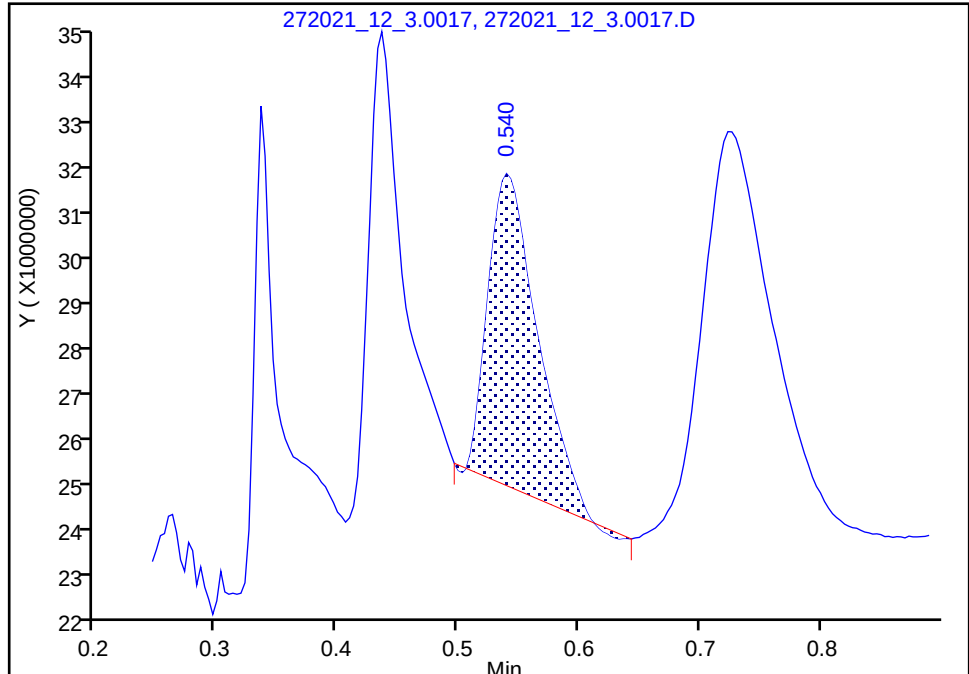
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0017.D
Injection Date: 03-Dec-2021 16:00:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

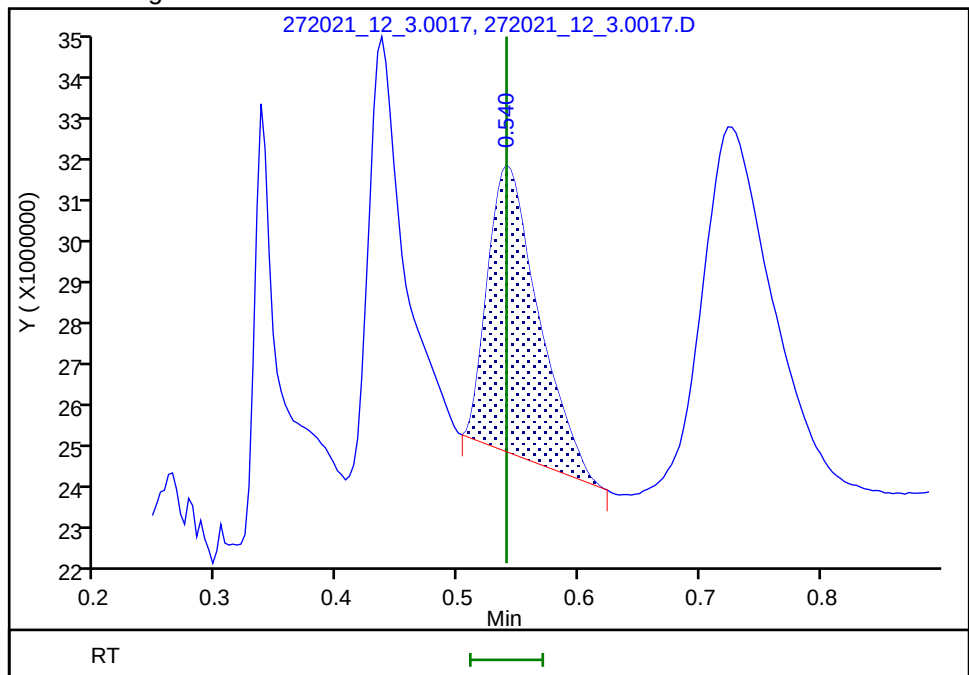
RT: 0.54
Area: 18060935
Amount: 4822.1044
Amount Units: ug/l

Processing Integration Results



RT: 0.54
Area: 18958853
Amount: 5061.8403
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:38:42
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
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Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0017.D

Injection Date: 03-Dec-2021 16:00:00

Instrument ID: 2739

Lims ID: icv

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 13

Purge Vol: 1.000 uL

Dil. Factor:

1.0000

Method: 8015_DAI_2739

Limit Group:

GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

Detector

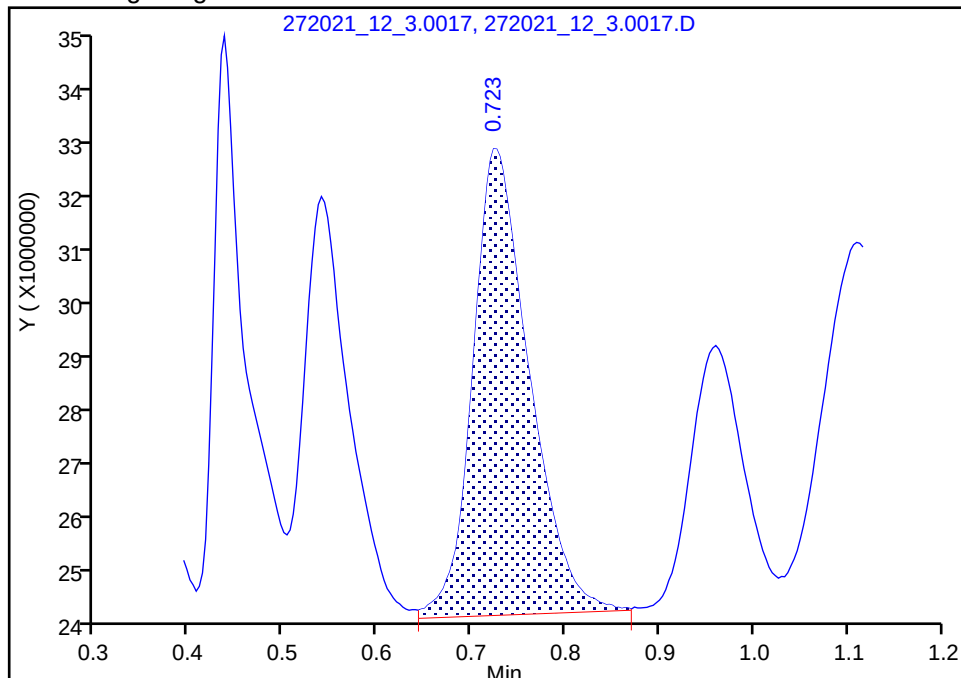
OFIDA

4 Propanol, CAS: 71-23-8

Signal: 1

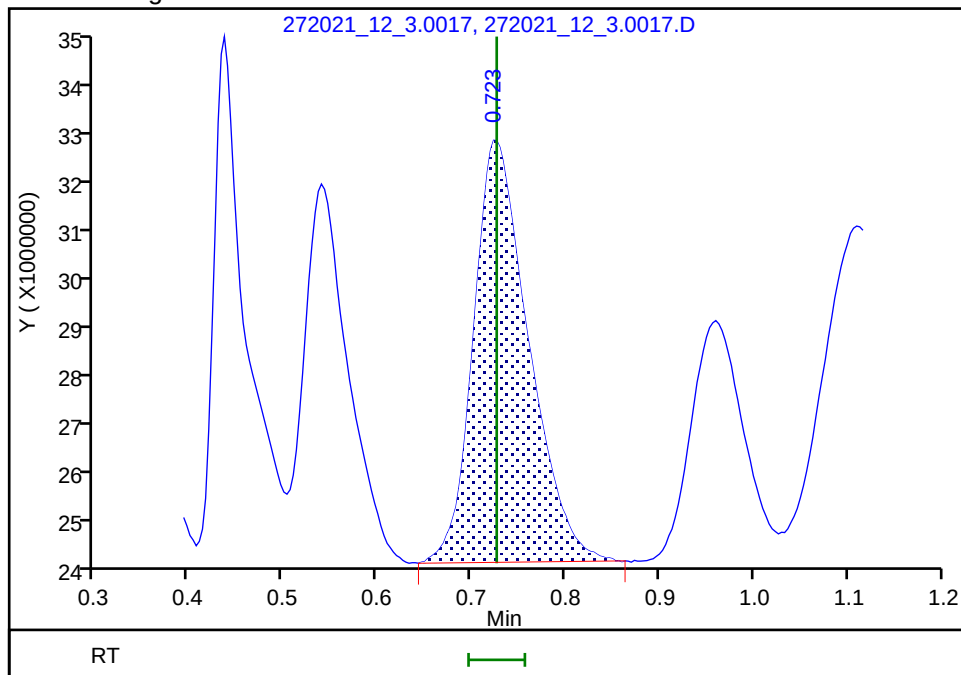
RT: 0.72
Area: 35199597
Amount: 5086.0904
Amount Units: ug/l

Processing Integration Results



RT: 0.72
Area: 33859894
Amount: 4849.3871
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:38:45

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
 SDG No.: _____
 Lab Sample ID: ICV 410-201167/13 Calibration Date: 12/03/2021 16:00
 Instrument ID: 2739 Calib Start Date: 12/03/2021 13:49
 GC Column: SP1000 ID: _____ Calib End Date: 12/03/2021 15:04
 Lab File ID: 272021_12_3.0017.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	7457	7512		5270	5230	0.7	20.0
Ethanol	Ave	10938	10931		5600	5600	-0.0	20.0
Isopropanol	Ave	11898	12033		5160	5100	1.1	20.0
1-Propanol	Ave	14201	13970		5010	5090	-1.6	20.0
Acetone	Ave	9939	9430		4750	5010	-5.1	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: ICV 410-201167/13 Calibration Date: 12/03/2021 16:00
Instrument ID: 2739 Calib Start Date: 12/03/2021 13:49
GC Column: SP1000 ID: _____ Calib End Date: 12/03/2021 15:04
Lab File ID: 272021_12_3.0017.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.71	0.69	0.75
Ethanol	1.64	1.61	1.67
Isopropanol	2.90	2.87	2.93
1-Propanol	3.45	3.43	3.50
Acetone	2.58	2.56	2.62

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0017.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 03-Dec-2021 16:00:00 ALS Bottle#: 0 Worklist Smp#: 13
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: icv
 Misc. Info.: 410-0045468-013
 Operator ID: Administrator Instrument ID: 2739
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:42:14 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 07:10:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							
1	0.337	0.337	0.000	13691145	5228.7	5491.5	M
2	0.713	0.723	-0.010	39277935	5228.7	5267.0	
						RPD = 4.17	
2 Ethanol							
1	0.437	0.437	0.000	19964583	5601.9	5406.6	M
2	1.637	1.640	-0.003	61233328	5601.9	5598.0	M
						RPD = 3.48	
3 Isopropyl alcohol							
1	0.540	0.540	0.000	18958853	5099.5	5061.8	M
2	2.897	2.900	-0.003	61360944	5099.5	5157.2	M
						RPD = 1.87	
4 Propanol							
1	0.723	0.727	-0.004	33859894	5094.4	4849.4	M
2	3.453	3.463	-0.010	71168752	5094.4	5011.7	
						RPD = 3.29	
\$ 5 Acetone							
1	0.960	0.960	0.000	15747394	5008.0	4957.3	M
2	2.583	2.587	-0.004	47226039	5008.0	4751.8	M
						RPD = 4.23	
6 Isobutyl alcohol							
1	1.110	1.110	0.000	30956766	4990.0	4781.4	
7 n-Butanol							
1	1.380	1.383	-0.003	28697395	5149.8	5424.0	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLMEICV_00008

Amount Added: 1.00

Units: mL

Report Date: 04-Dec-2021 07:42:15

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0017.D

Injection Date: 03-Dec-2021 16:00:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: icv

Worklist Smp#:

13

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

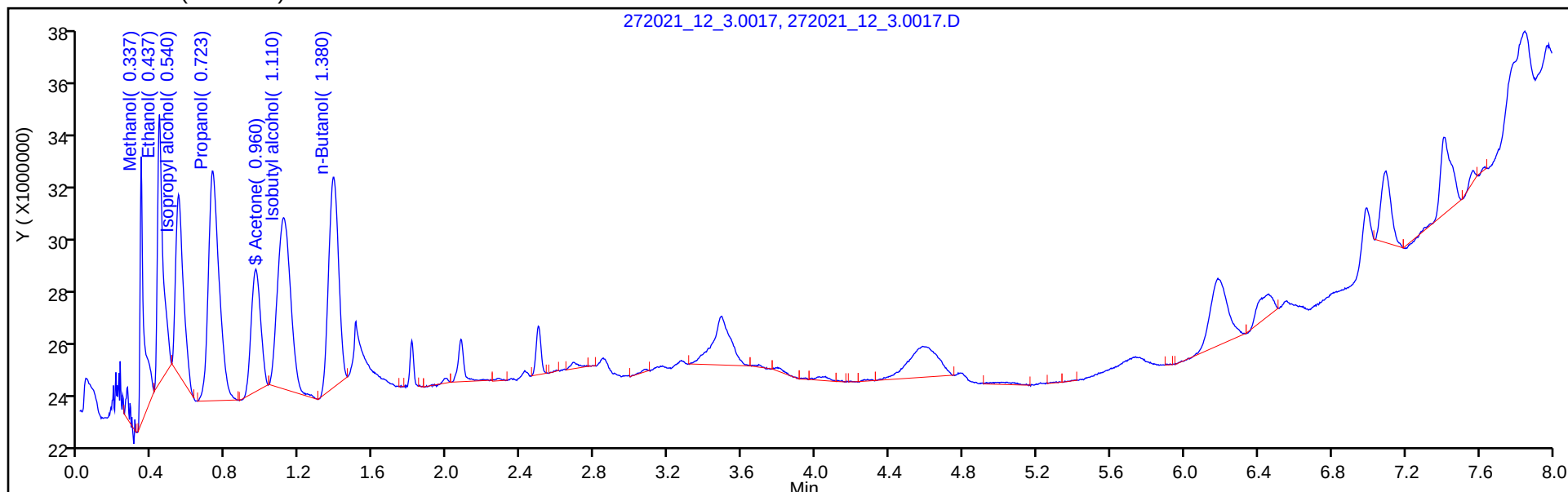
ALS Bottle#:

0

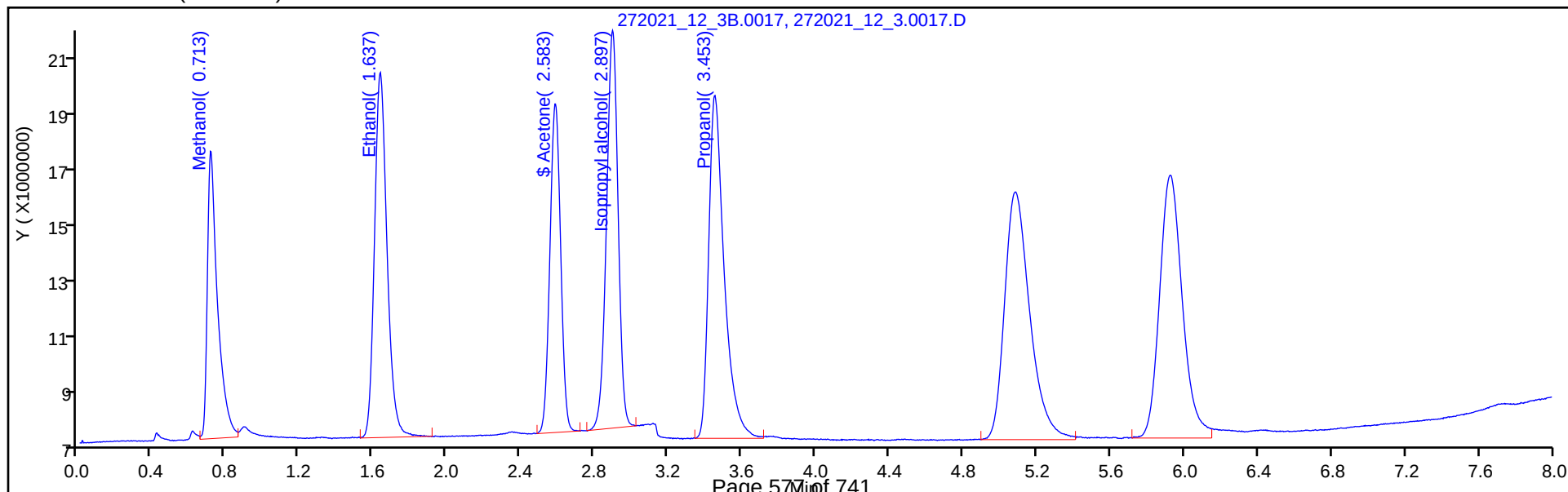
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

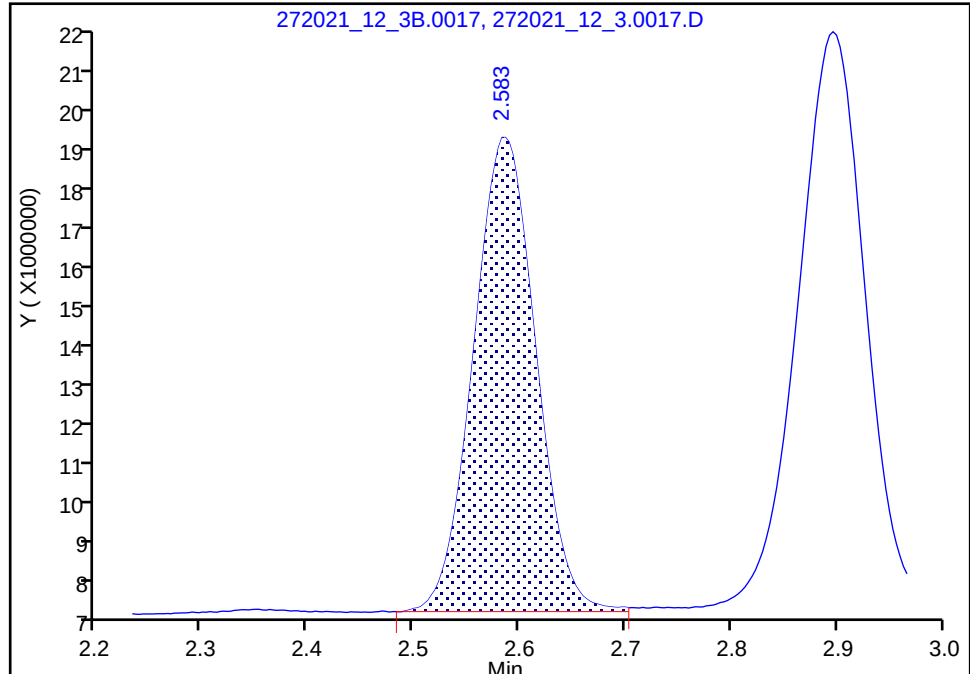
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0017.D
Injection Date: 03-Dec-2021 16:00:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

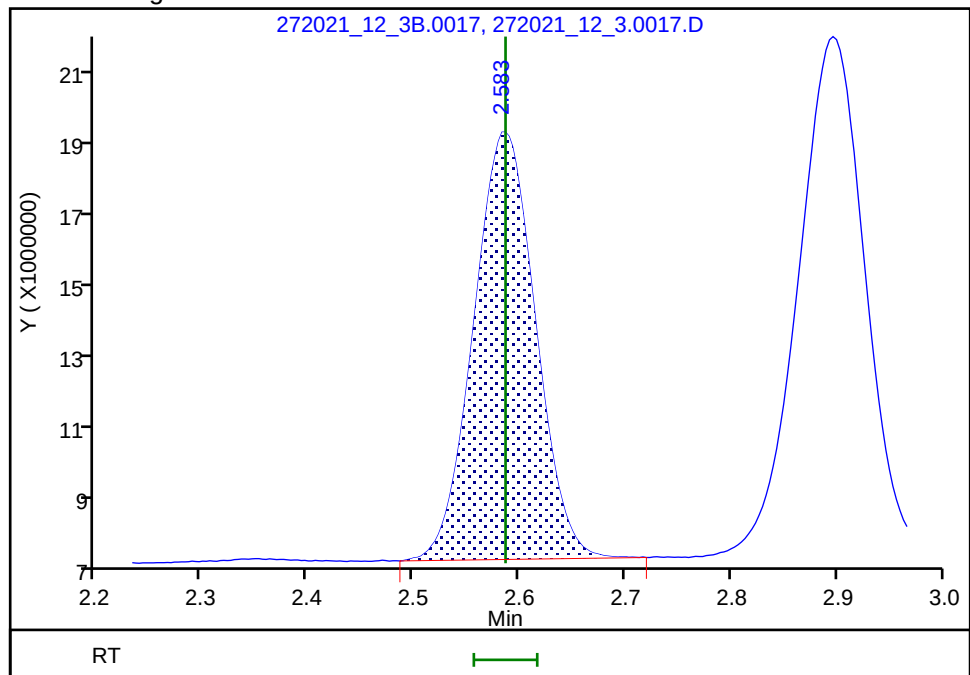
RT: 2.58
Area: 47722919
Amount: 4801.7481
Amount Units: ug/l

Processing Integration Results



RT: 2.58
Area: 47226039
Amount: 4751.7534
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:39:10

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

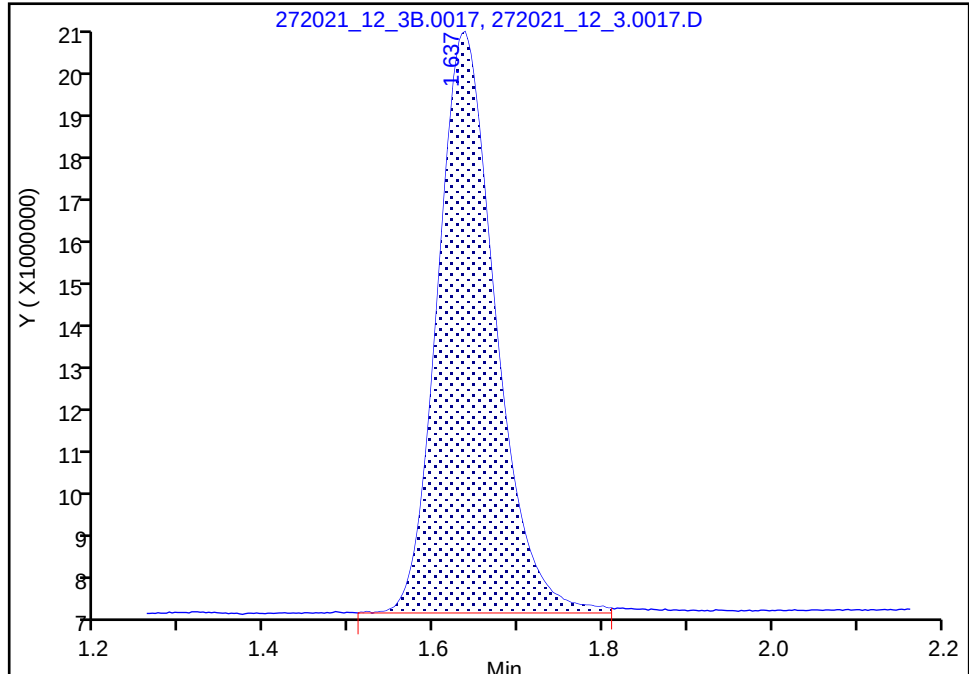
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0017.D
Injection Date: 03-Dec-2021 16:00:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

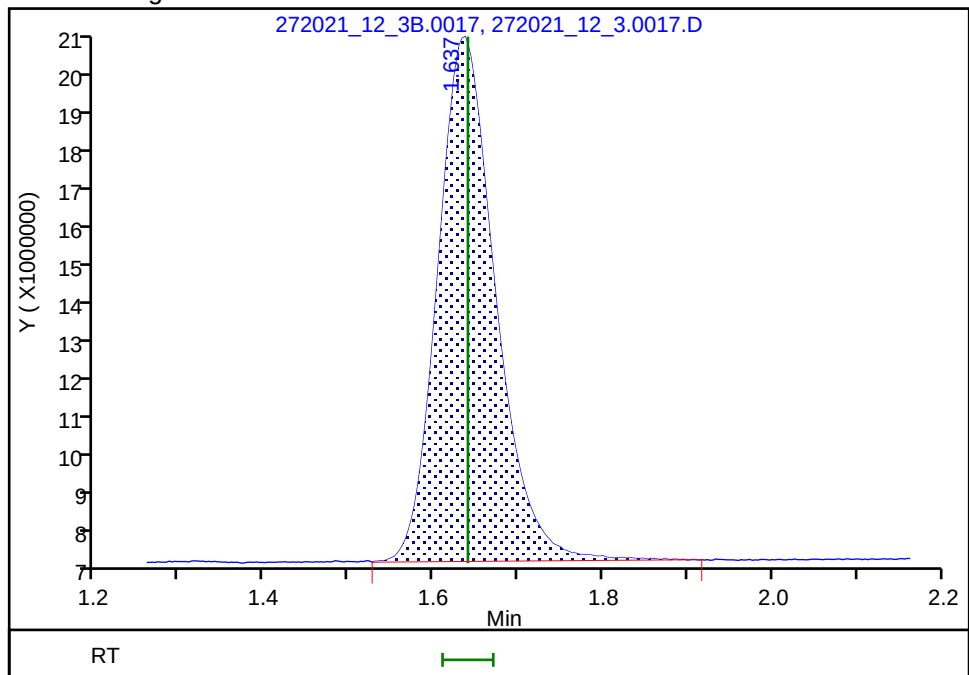
RT: 1.64
Area: 61383336
Amount: 5611.6856
Amount Units: ug/l

Processing Integration Results



RT: 1.64
Area: 61233328
Amount: 5597.9718
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:39:16
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 579 of 741

Eurofins Lancaster Laboratories Env, LLC

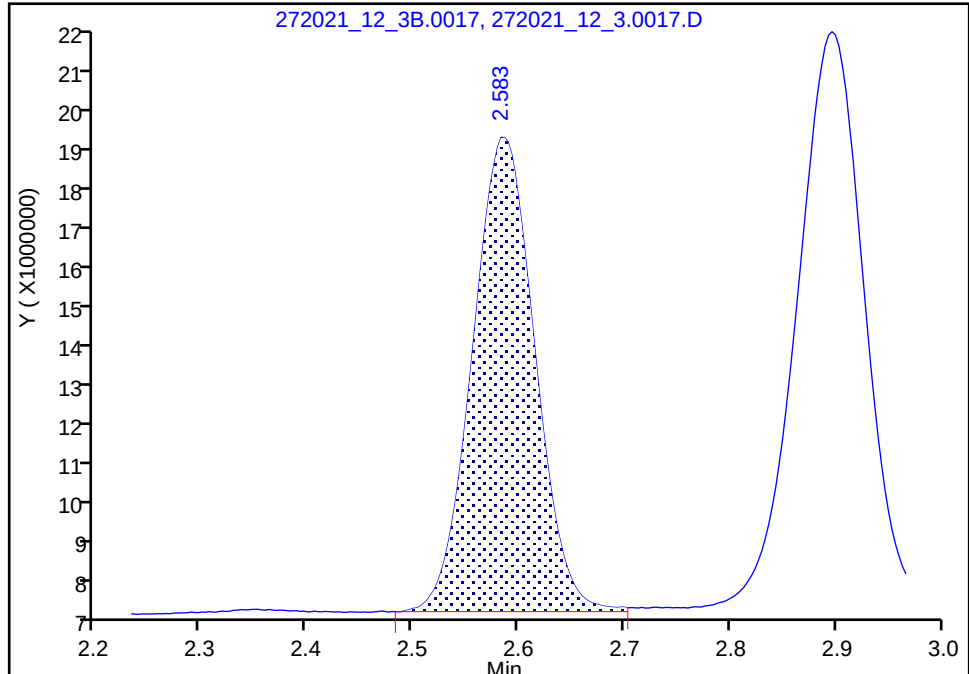
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0017.D
Injection Date: 03-Dec-2021 16:00:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

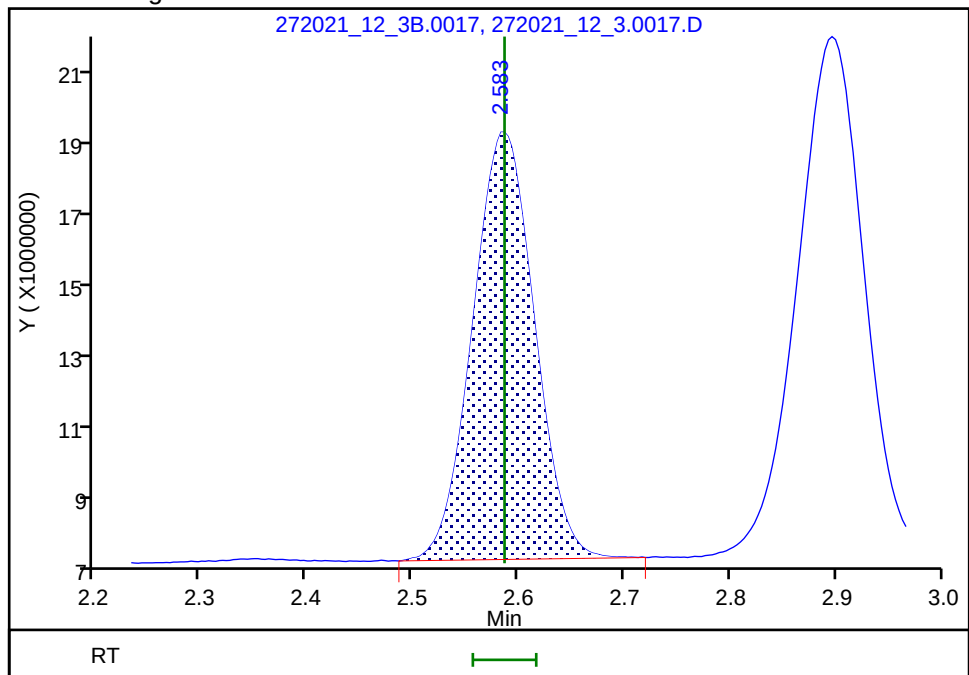
RT: 2.58
Area: 47722919
Amount: 4801.7481
Amount Units: ug/l

Processing Integration Results



RT: 2.58
Area: 47226039
Amount: 4751.7534
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:39:10

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

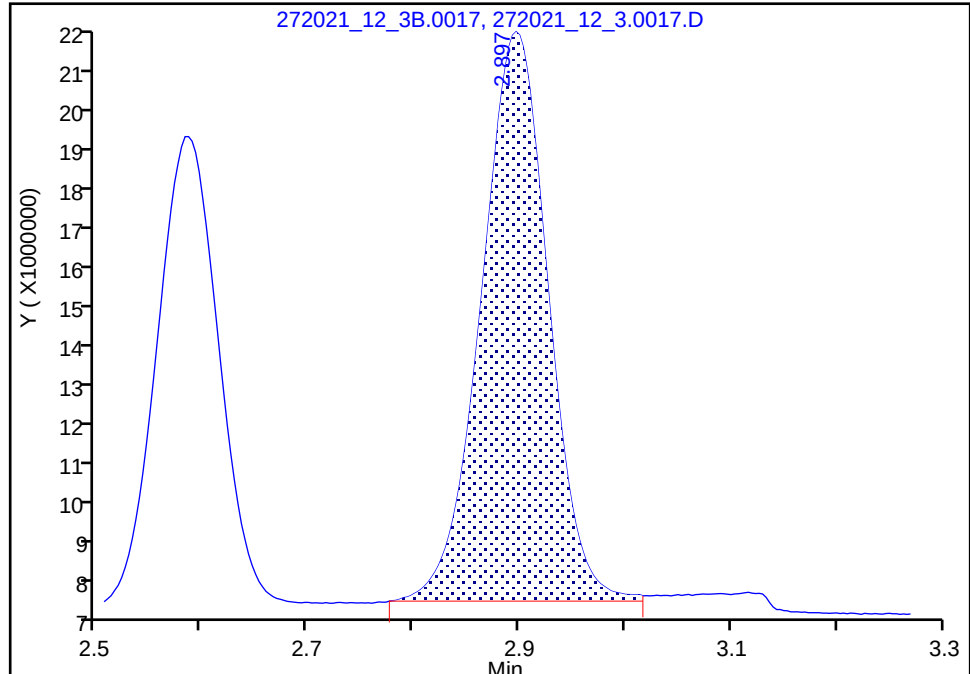
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0017.D
Injection Date: 03-Dec-2021 16:00:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

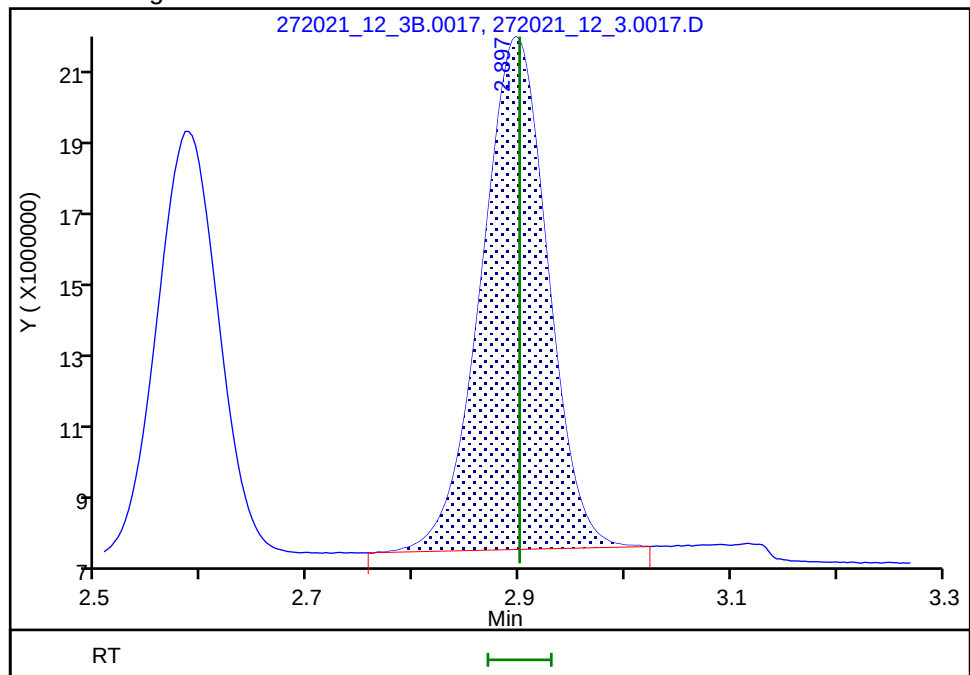
RT: 2.90
Area: 62065627
Amount: 5216.4094
Amount Units: ug/l

Processing Integration Results



RT: 2.90
Area: 61360944
Amount: 5157.1831
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:39:06

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
 SDG No.: _____
 Lab Sample ID: CCV 410-201167/20 Calibration Date: 12/03/2021 18:11
 Instrument ID: 2739 Calib Start Date: 12/03/2021 13:49
 GC Column: RTX200 ID: _____ Calib End Date: 12/03/2021 15:04
 Lab File ID: 272021_12_3.0024.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	2493	2719		5470	5010	9.0	20.0
Ethanol	Ave	3693	3853		5220	5000	4.3	20.0
Isopropanol	Ave	3745	4036		5400	5010	7.7	20.0
1-Propanol	Lin		6670		4840	5070	-4.5	20.0
Isobutanol	Ave	6474	6259		4970	5140	-3.3	20.0
1-Butanol	Ave	5291	5687		5560	5170	7.5	20.0
Acetone	Ave	3177	3215		5070	5010	1.2	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: CCV 410-201167/20 Calibration Date: 12/03/2021 18:11
Instrument ID: 2739 Calib Start Date: 12/03/2021 13:49
GC Column: RTX200 ID: _____ Calib End Date: 12/03/2021 15:04
Lab File ID: 272021_12_3.0024.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.34	0.31	0.37
Ethanol	0.44	0.41	0.47
Isopropanol	0.54	0.51	0.57
1-Propanol	0.73	0.70	0.76
Isobutanol	1.11	1.08	1.14
1-Butanol	1.38	1.35	1.41
Acetone	0.96	0.93	0.99

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0024.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 03-Dec-2021 18:11:00 ALS Bottle#: 0 Worklist Smp#: 20
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ccv
 Misc. Info.: 410-0045468-020
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:42:19 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 07:17:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							M
1	0.337	0.337	0.000	13631771	5014.0	5467.7	M
2	0.710	0.723	-0.013	37339581	5014.0	5007.1	
RPD = 8.79							
2 Ethanol							M
1	0.437	0.437	0.000	19272396	5002.0	5219.1	
2	1.627	1.640	-0.013	54586459	5002.0	4990.3	M
RPD = 4.48							
3 Isopropyl alcohol							Ma
1	0.540	0.540	0.000	20218751	5010.0	5398.2	M
2	2.893	2.900	-0.007	60682296	5010.0	5100.1	M
RPD = 5.68							
4 Propanol							M
1	0.727	0.727	0.000	33811462	5069.5	4840.8	M
2	3.443	3.463	-0.020	71801566	5069.5	5056.3	M
RPD = 4.35							
\$ 5 Acetone							Ma
1	0.957	0.960	-0.003	16102082	5008.0	5068.9	M
2	2.587	2.587	0.000	46935418	5008.0	4722.5	M
RPD = 7.08							
6 Isobutyl alcohol							Ma
1	1.110	1.110	0.000	32198959	5144.2	4973.3	Ma
7 n-Butanol							Ma
1	1.380	1.383	-0.003	29397398	5169.0	5556.3	Ma

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

EPH_LLME3_00026

Amount Added: 1.00

Units: mL

Report Date: 04-Dec-2021 07:42:20

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0024.D

Injection Date: 03-Dec-2021 18:11:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ccv

Worklist Smp#: 20

Client ID:

Purge Vol: 1.000 uL

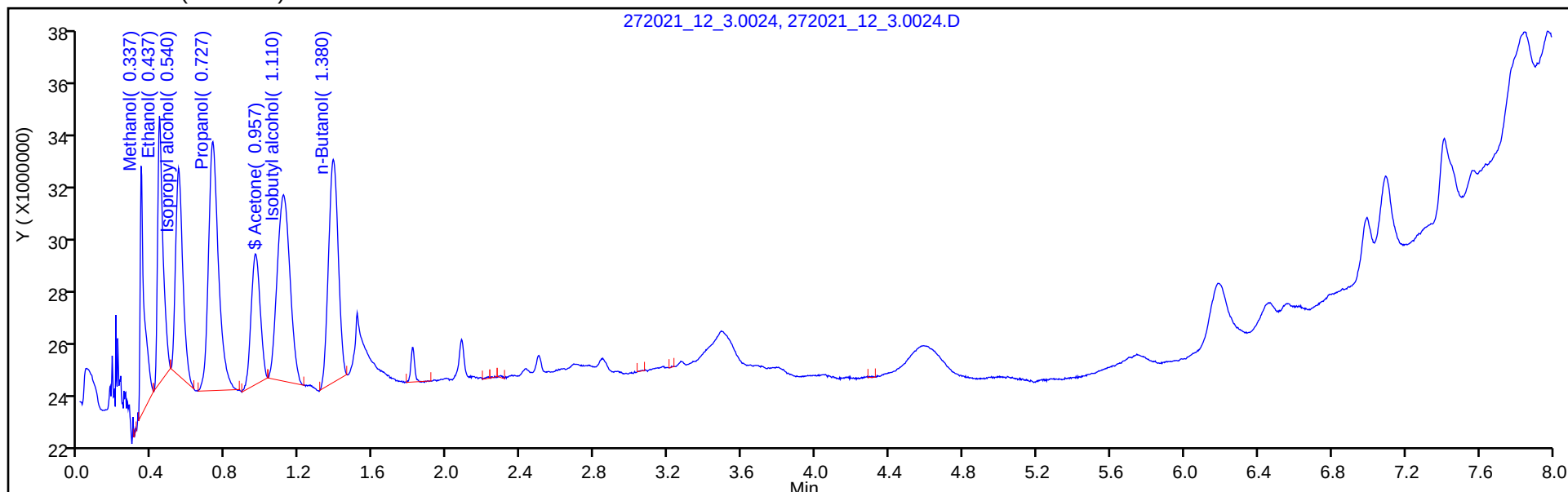
Dil. Factor: 1.0000

ALS Bottle#: 0

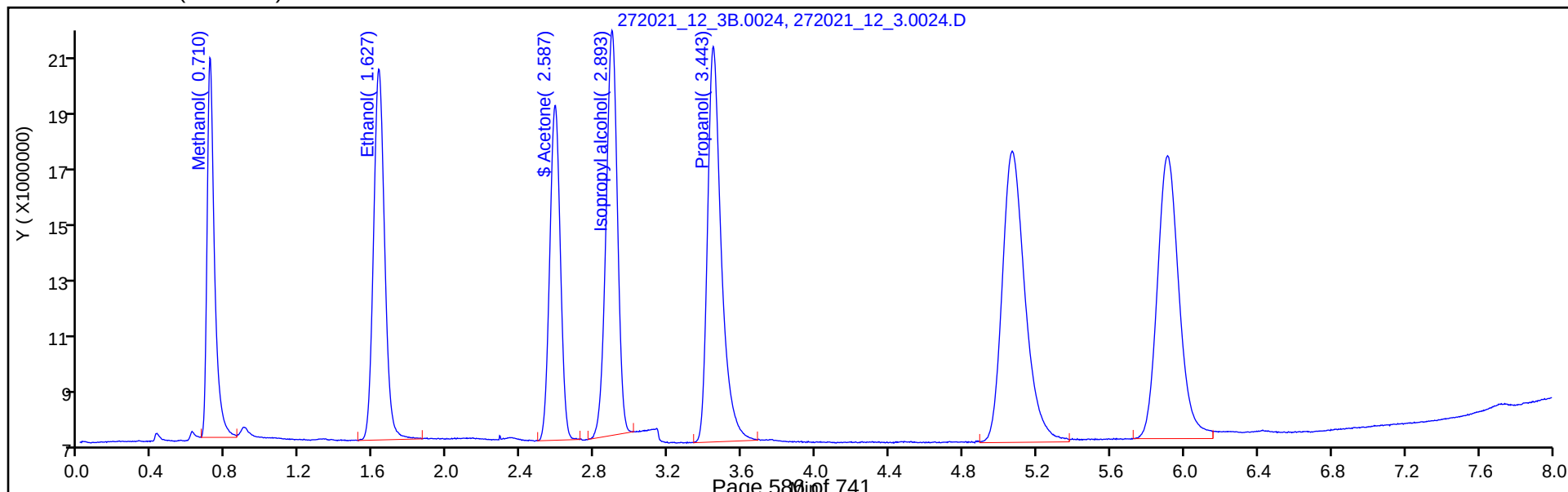
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

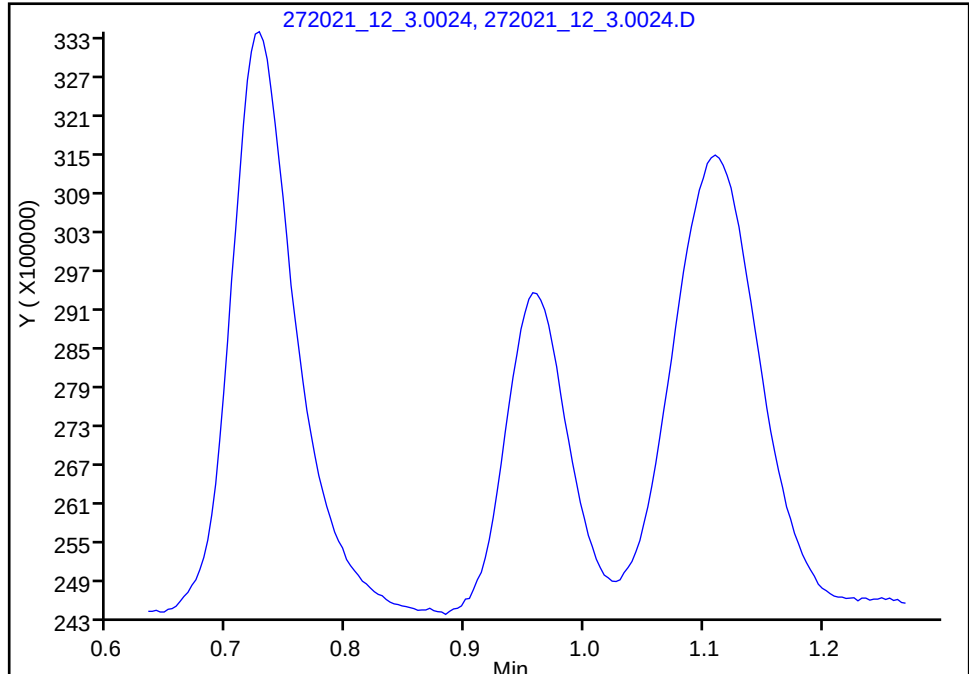
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0024.D
Injection Date: 03-Dec-2021 18:11:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector 0FIDA

\$ 5 Acetone, CAS: 67-64-1

Signal: 1

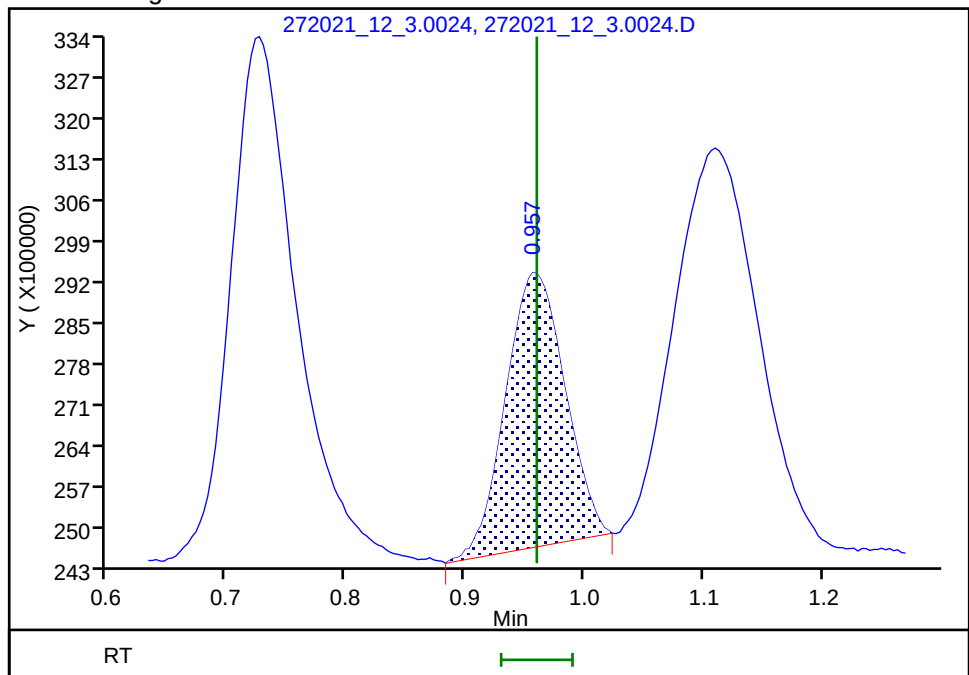
Not Detected
Expected RT: 0.96

Processing Integration Results



RT: 0.96
Area: 16102082
Amount: 5068.9340
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:17:07

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0024.D

Injection Date: 03-Dec-2021 18:11:00

Instrument ID: 2739

Lims ID: ccv

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 20

Purge Vol: 1.000 uL

Dil. Factor:

1.0000

Method: 8015_DAI_2739

Limit Group:

GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

Detector

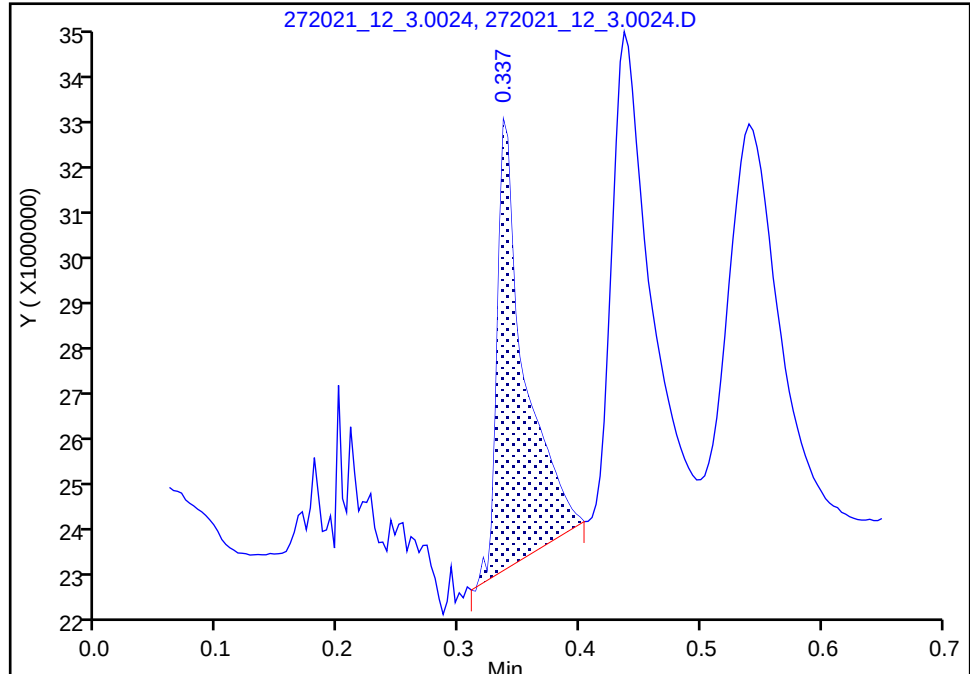
0FIDA

1 Methanol, CAS: 67-56-1

Signal: 1

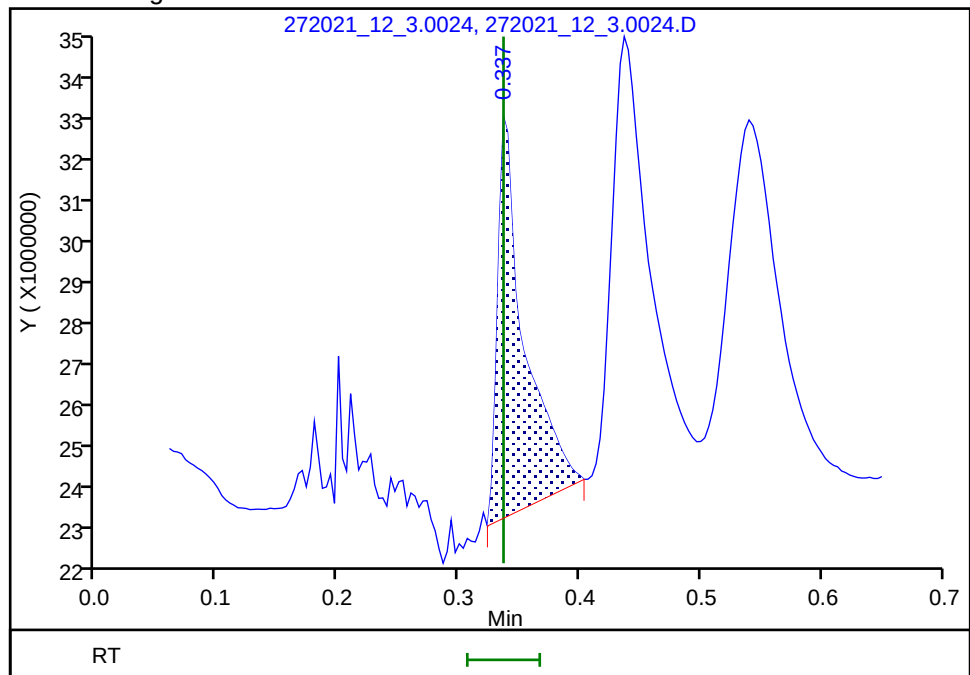
RT: 0.34
Area: 14097918
Amount: 5654.6776
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 13631771
Amount: 5467.7060
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:17:23

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

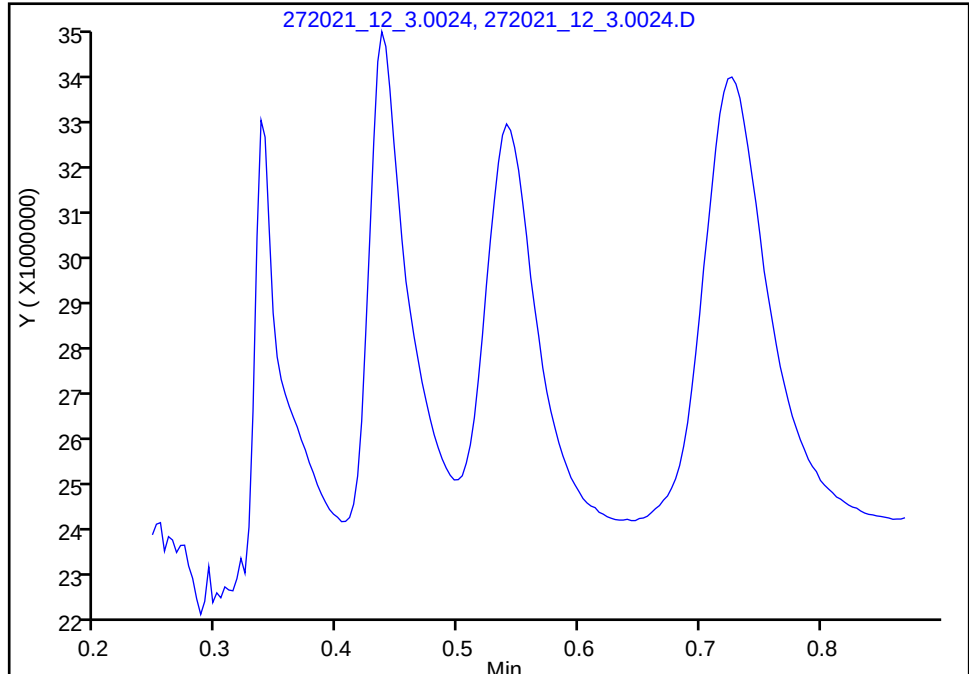
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0024.D
Injection Date: 03-Dec-2021 18:11:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector 0FIDA

3 Isopropyl alcohol, CAS: 67-63-0

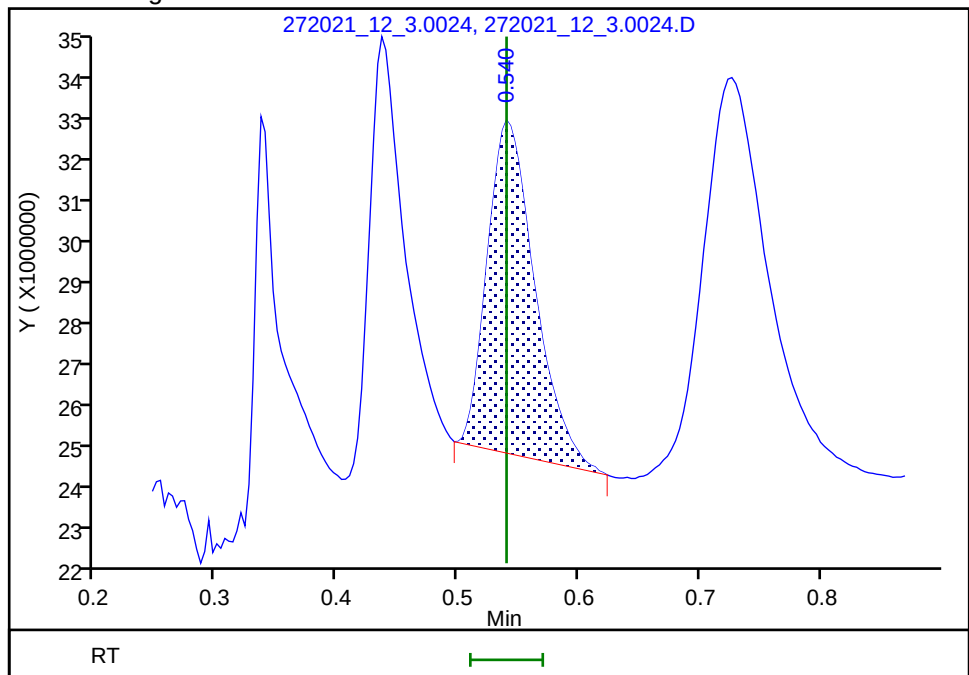
Signal: 1

Not Detected
Expected RT: 0.54

Processing Integration Results



Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:17:10

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

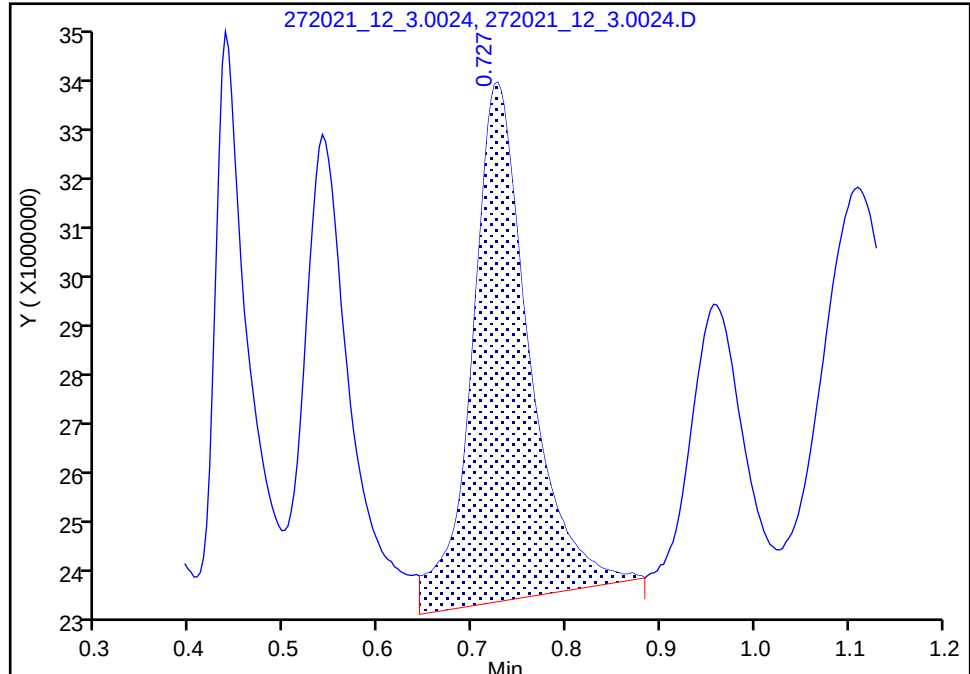
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0024.D
Injection Date: 03-Dec-2021 18:11:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

4 Propanol, CAS: 71-23-8

Signal: 1

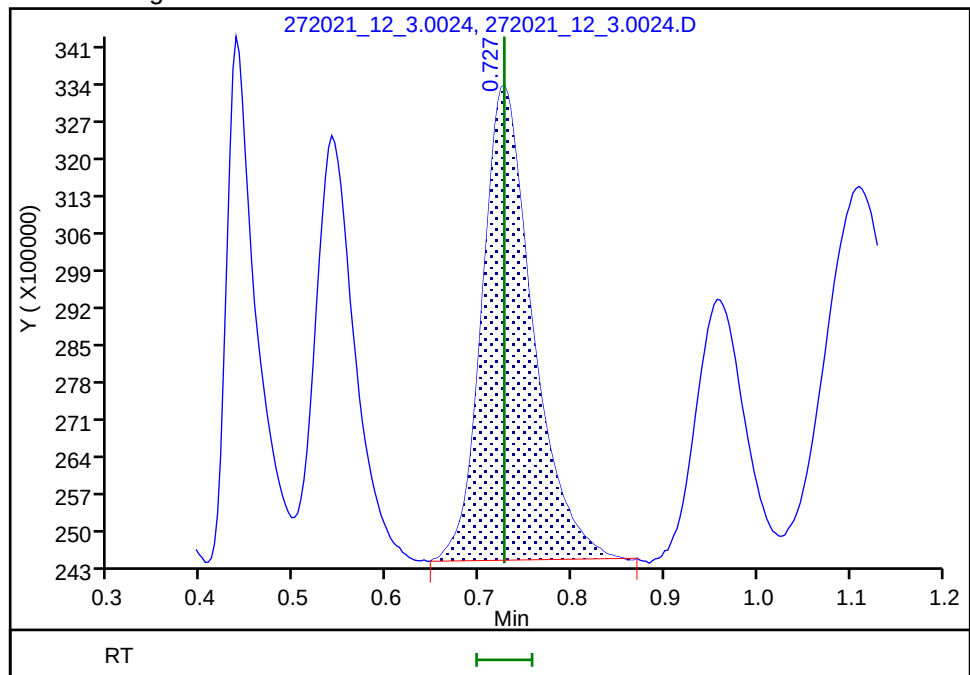
RT: 0.73
Area: 39537433
Amount: 5852.5142
Amount Units: ug/l

Processing Integration Results



RT: 0.73
Area: 33811462
Amount: 4840.8300
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:16:53

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0024.D

Injection Date: 03-Dec-2021 18:11:00

Instrument ID: 2739

Lims ID: ccv

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 20

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

Detector 0FIDA

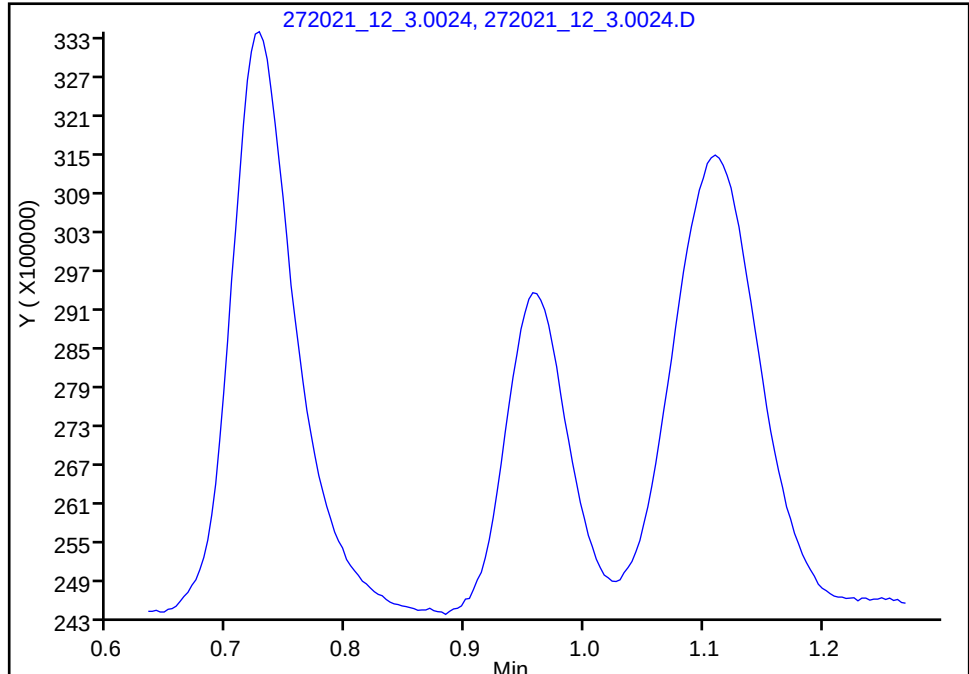
\$ 5 Acetone, CAS: 67-64-1

Signal: 1

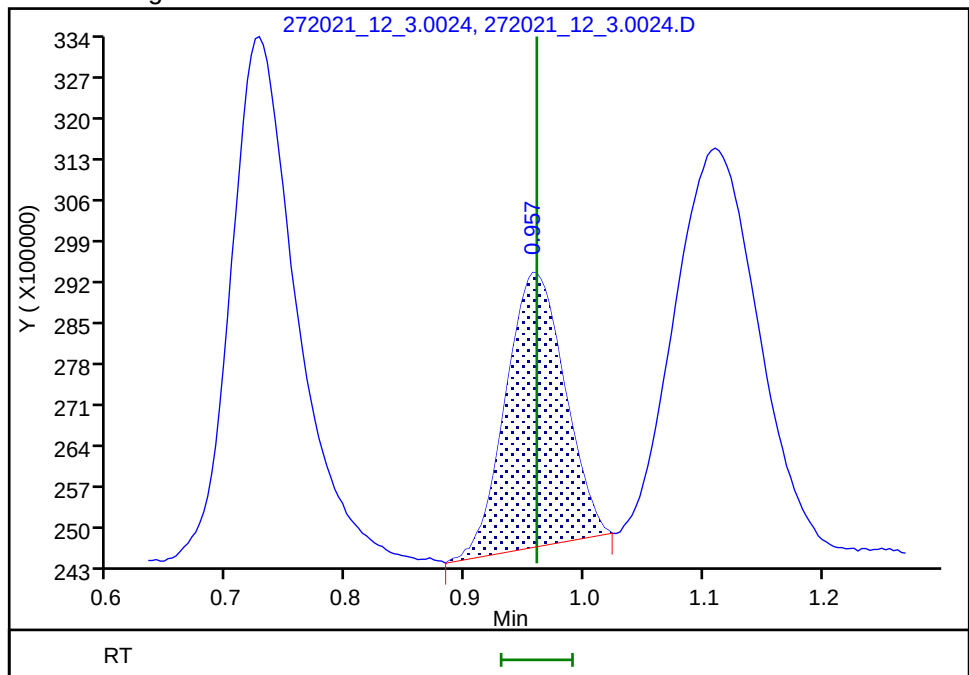
Not Detected

Expected RT: 0.96

Processing Integration Results



Manual Integration Results



RT: 0.96

Area: 16102082

Amount: 5068.9340

Amount Units: ug/l

Reviewer: kennedyj, 04-Dec-2021 07:17:07

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

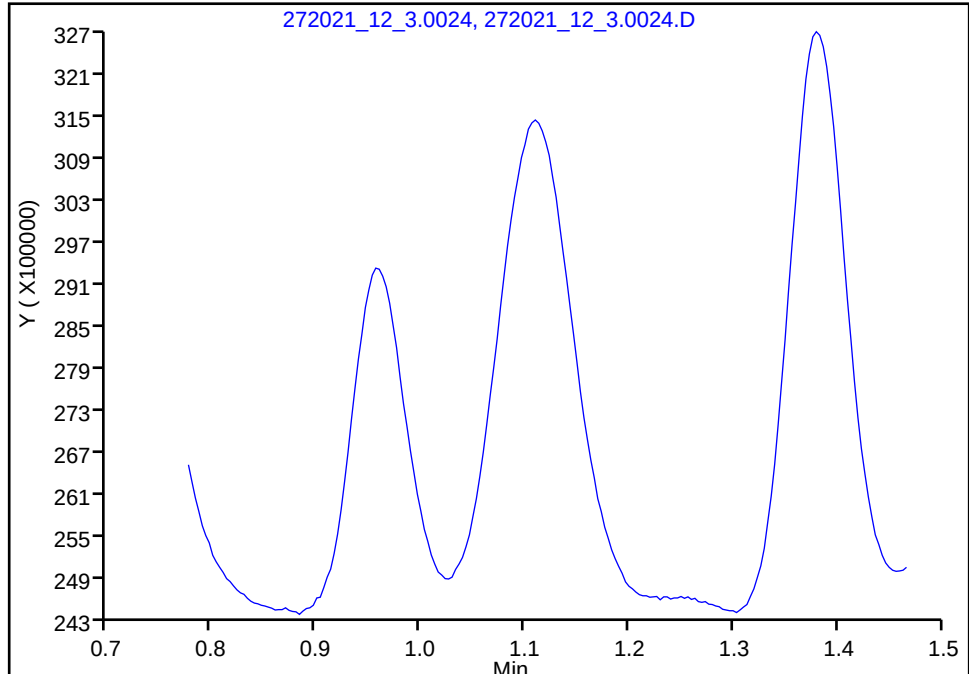
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0024.D
Injection Date: 03-Dec-2021 18:11:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

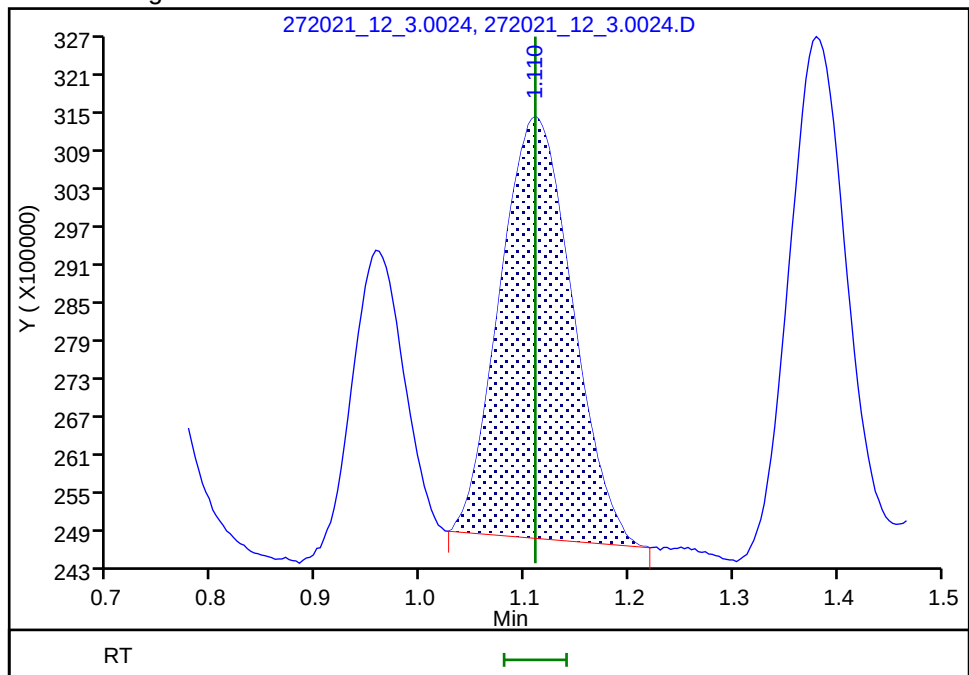
Not Detected
Expected RT: 1.11

Processing Integration Results



Manual Integration Results

RT: 1.11
Area: 32198959
Amount: 4973.2811
Amount Units: ug/l



Reviewer: kennedyj, 04-Dec-2021 07:17:05

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

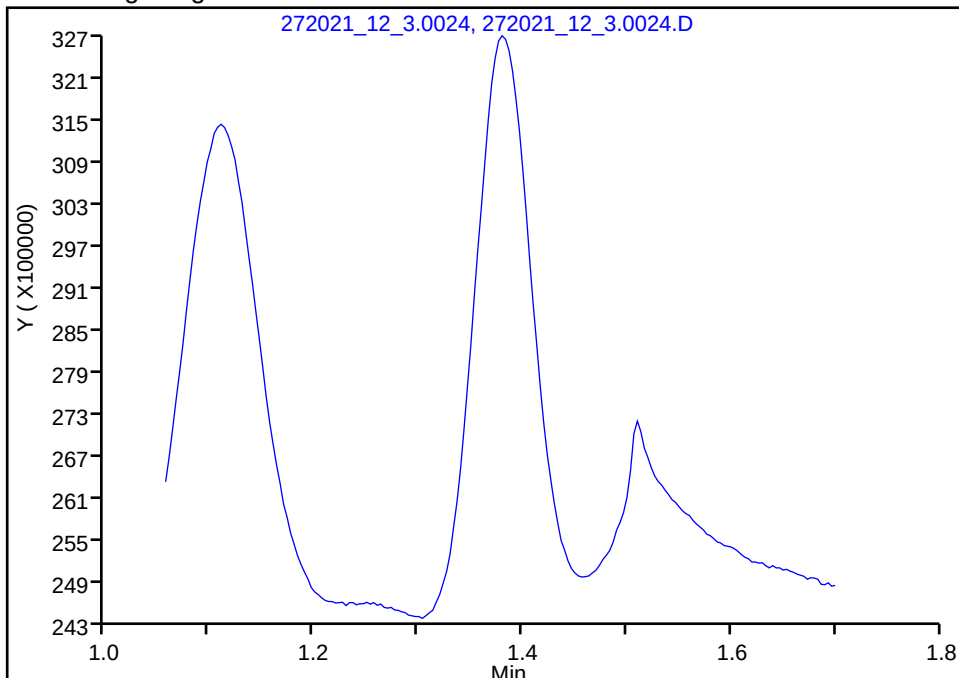
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0024.D
Injection Date: 03-Dec-2021 18:11:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

7 n-Butanol, CAS: 71-36-3

Signal: 1

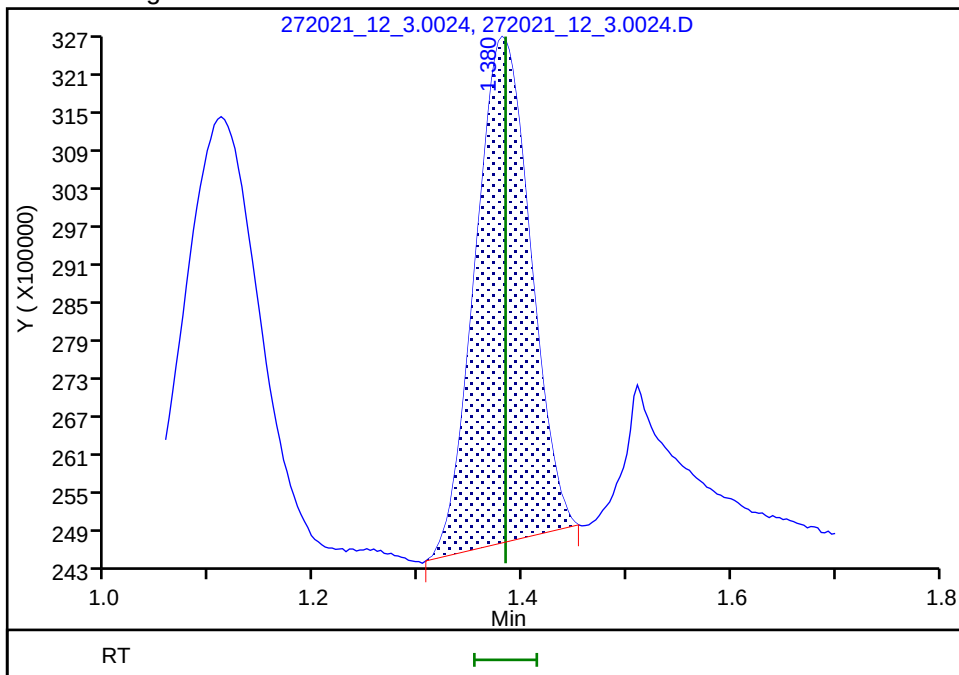
Not Detected
Expected RT: 1.38

Processing Integration Results



RT: 1.38
Area: 29397398
Amount: 5556.3390
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:17:02

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
 SDG No.: _____
 Lab Sample ID: CCV 410-201167/20 Calibration Date: 12/03/2021 18:11
 Instrument ID: 2739 Calib Start Date: 12/03/2021 13:49
 GC Column: SP1000 ID: _____ Calib End Date: 12/03/2021 15:04
 Lab File ID: 272021_12_3.0024.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	7457	7447		5010	5010	-0.1	20.0
Ethanol	Ave	10938	10913		4990	5000	-0.2	20.0
Isopropanol	Ave	11898	12112		5100	5010	1.8	20.0
1-Propanol	Ave	14201	14163		5060	5070	-0.3	20.0
Acetone	Ave	9939	9372		4720	5010	-5.7	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: CCV 410-201167/20 Calibration Date: 12/03/2021 18:11
Instrument ID: 2739 Calib Start Date: 12/03/2021 13:49
GC Column: SP1000 ID: _____ Calib End Date: 12/03/2021 15:04
Lab File ID: 272021_12_3.0024.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.71	0.69	0.75
Ethanol	1.63	1.61	1.67
Isopropanol	2.89	2.87	2.93
1-Propanol	3.44	3.43	3.50
Acetone	2.59	2.56	2.62

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0024.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 03-Dec-2021 18:11:00 ALS Bottle#: 0 Worklist Smp#: 20
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ccv
 Misc. Info.: 410-0045468-020
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:42:19 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 07:17:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							
1	0.337	0.337	0.000	13631771	5014.0	5467.7	M
2	0.710	0.723	-0.013	37339581	5014.0	5007.1	
						RPD = 8.79	
2 Ethanol							
1	0.437	0.437	0.000	19272396	5002.0	5219.1	M
2	1.627	1.640	-0.013	54586459	5002.0	4990.3	M
						RPD = 4.48	
3 Isopropyl alcohol							
1	0.540	0.540	0.000	20218751	5010.0	5398.2	M
2	2.893	2.900	-0.007	60682296	5010.0	5100.1	M
						RPD = 5.68	
4 Propanol							
1	0.727	0.727	0.000	33811462	5069.5	4840.8	M
2	3.443	3.463	-0.020	71801566	5069.5	5056.3	M
						RPD = 4.35	
\$ 5 Acetone							
1	0.957	0.960	-0.003	16102082	5008.0	5068.9	M
2	2.587	2.587	0.000	46935418	5008.0	4722.5	M
						RPD = 7.08	
6 Isobutyl alcohol							
1	1.110	1.110	0.000	32198959	5144.2	4973.3	Ma
7 n-Butanol							
1	1.380	1.383	-0.003	29397398	5169.0	5556.3	Ma

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

EPH_LLME3_00026

Amount Added: 1.00

Units: mL

Report Date: 04-Dec-2021 07:42:20

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0024.D

Injection Date: 03-Dec-2021 18:11:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: ccv

Worklist Smp#:

20

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

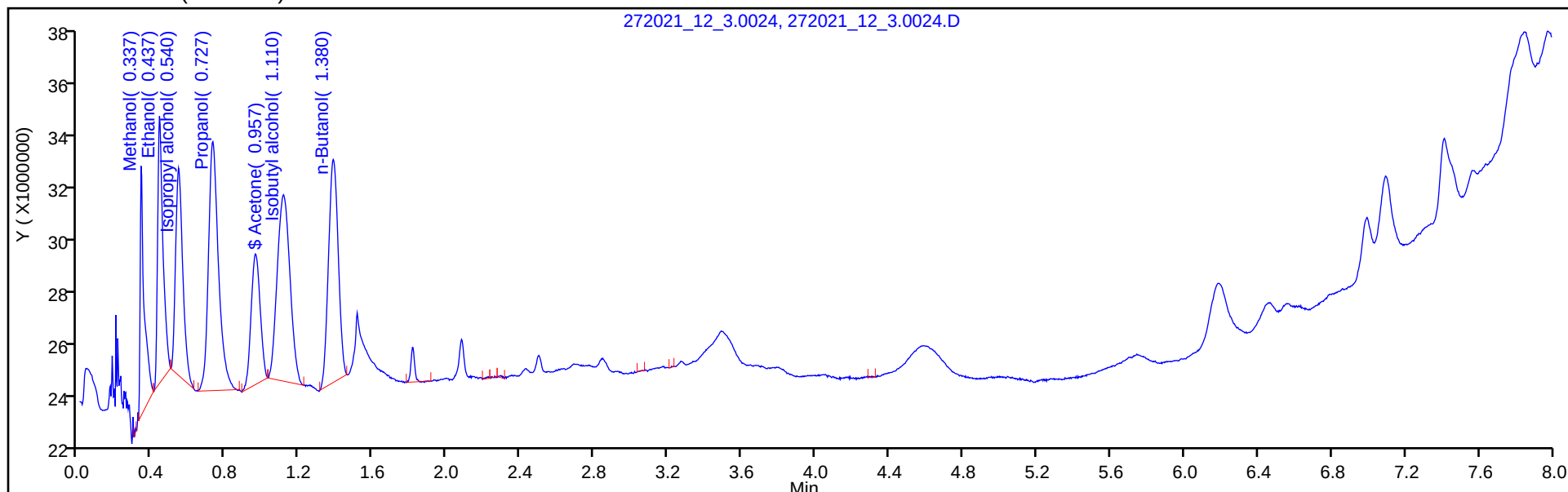
ALS Bottle#:

0

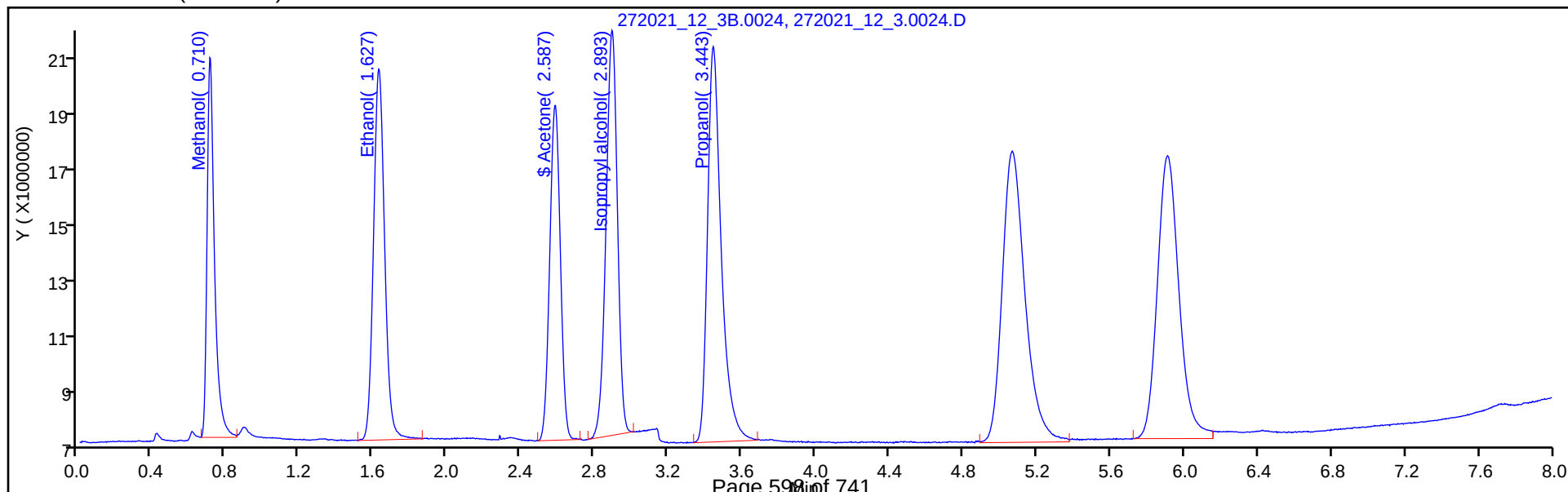
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

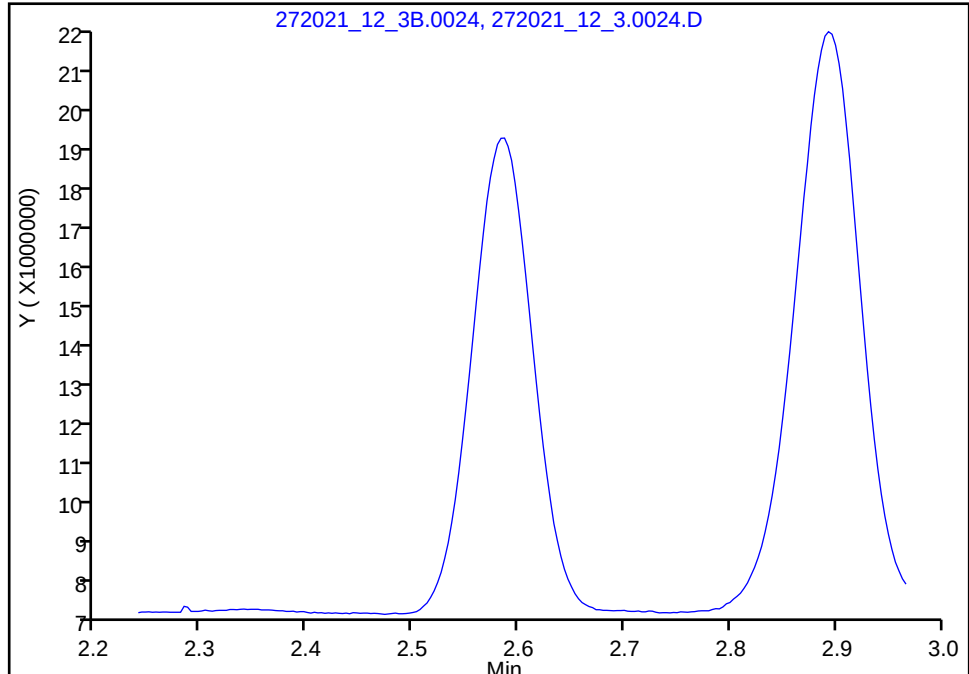
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0024.D
Injection Date: 03-Dec-2021 18:11:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

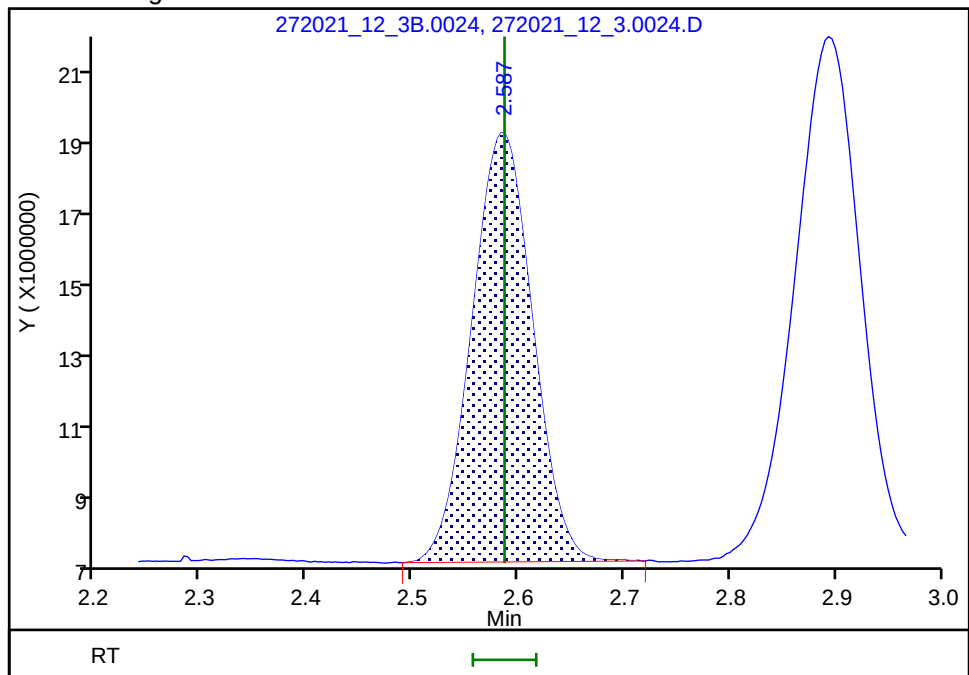
Not Detected
Expected RT: 2.59

Processing Integration Results



RT: 2.59
Area: 46935418
Amount: 4722.5119
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:17:36
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 599 of 741

Eurofins Lancaster Laboratories Env, LLC

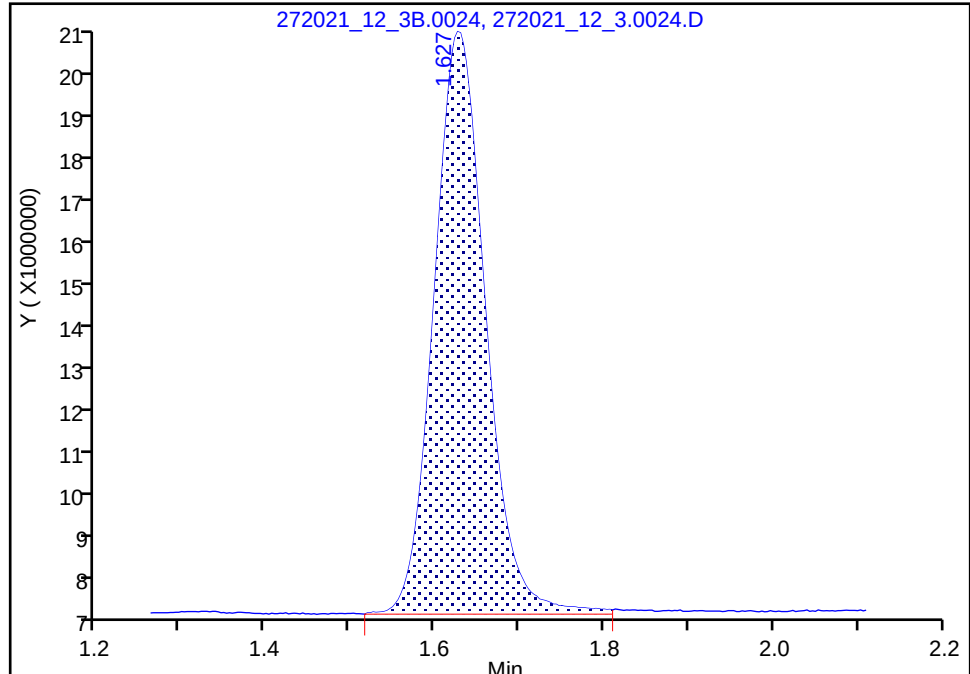
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0024.D
Injection Date: 03-Dec-2021 18:11:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

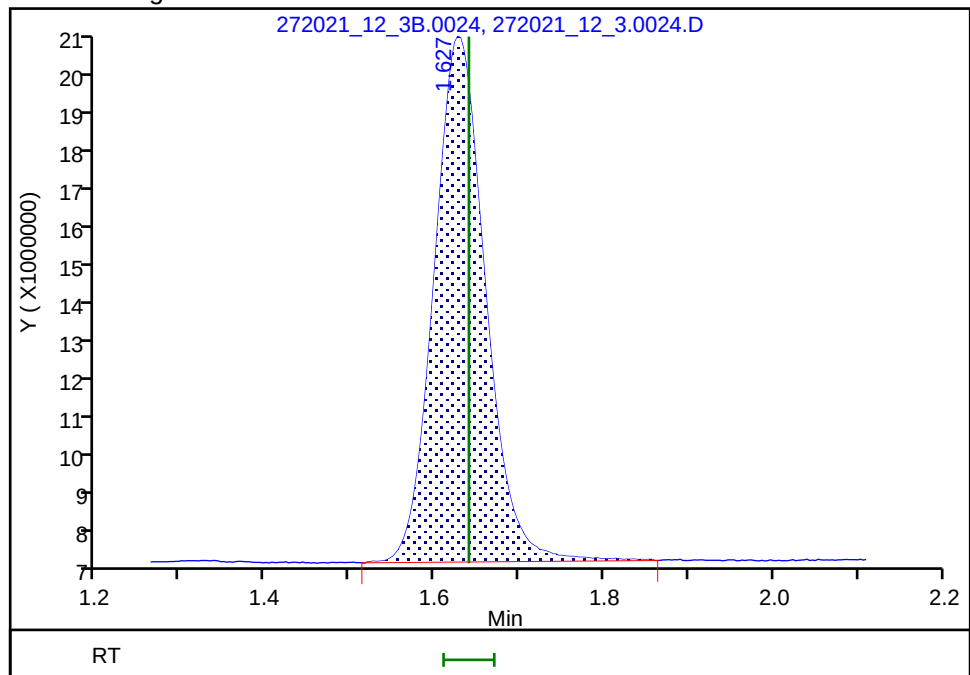
RT: 1.63
Area: 55021882
Amount: 5030.1193
Amount Units: ug/l

Processing Integration Results



RT: 1.63
Area: 54586459
Amount: 4990.3128
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:17:42

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

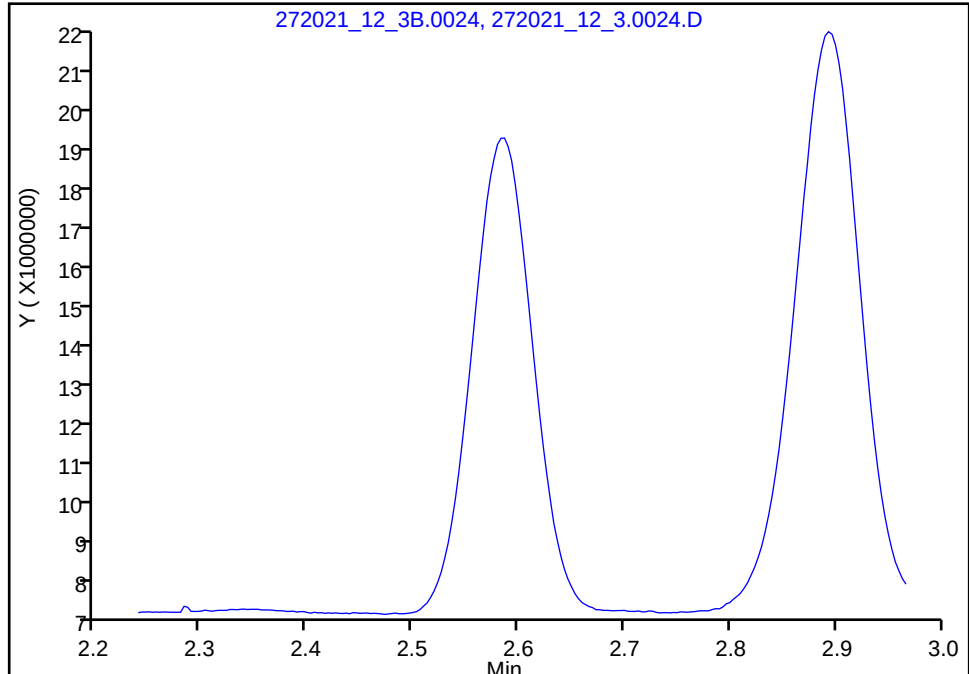
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0024.D
Injection Date: 03-Dec-2021 18:11:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

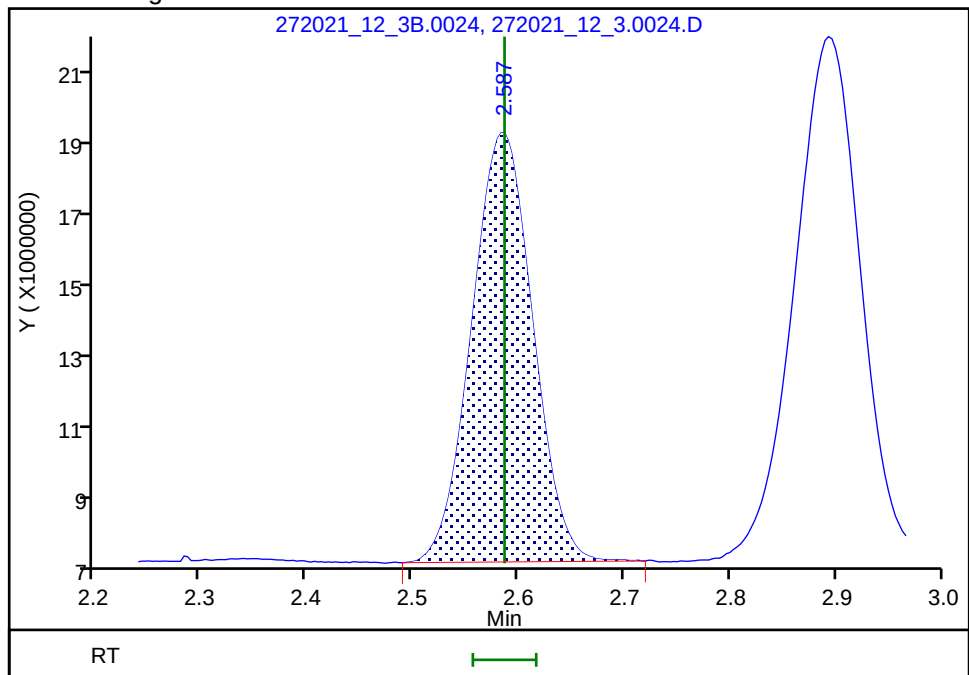
Not Detected
Expected RT: 2.59

Processing Integration Results



RT: 2.59
Area: 46935418
Amount: 4722.5119
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:17:36
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 601 of 741

Eurofins Lancaster Laboratories Env, LLC

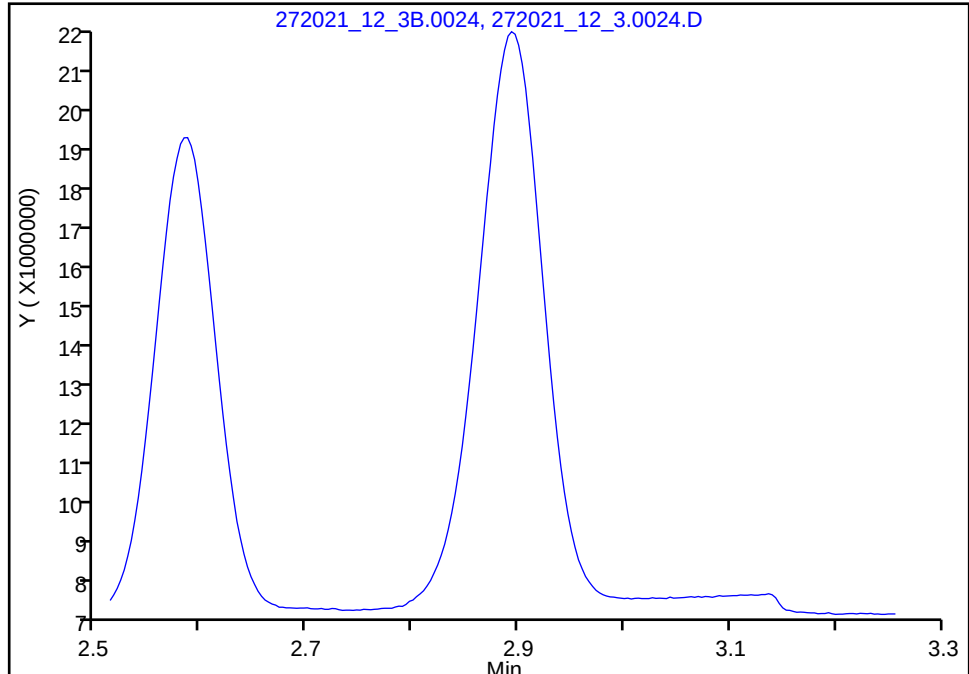
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0024.D
Injection Date: 03-Dec-2021 18:11:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

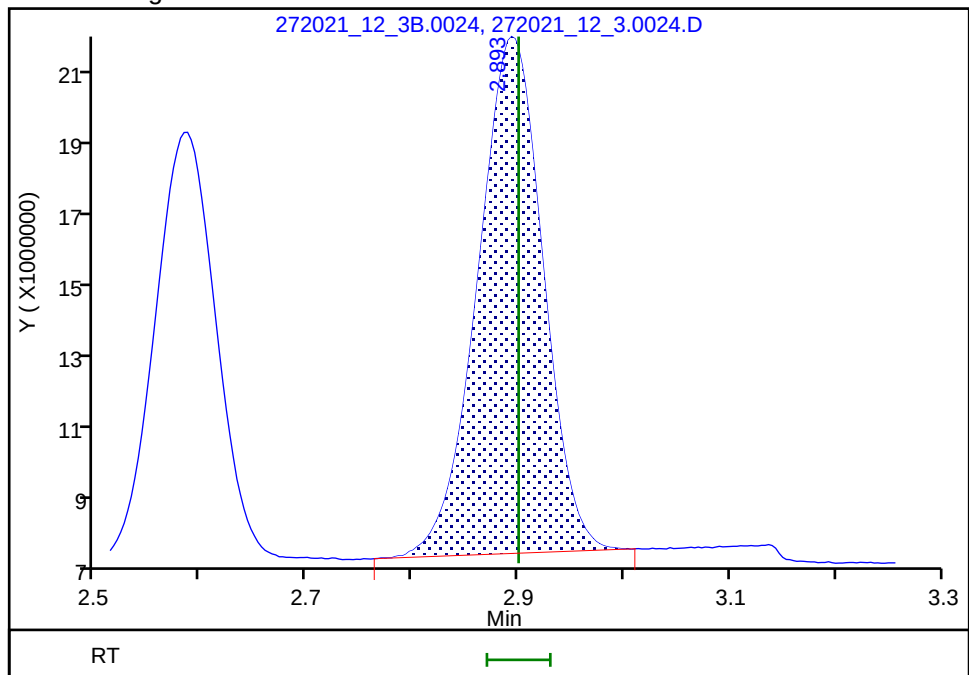
Signal: 2

Not Detected
Expected RT: 2.90

Processing Integration Results



Manual Integration Results



RT: 2.89
Area: 60682296
Amount: 5100.1450
Amount Units: ug/l

Reviewer: kennedyj, 04-Dec-2021 07:17:32

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0024.D

Injection Date: 03-Dec-2021 18:11:00

Instrument ID: 2739

Lims ID: ccv

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 20

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: SP1000 (0.00 mm)

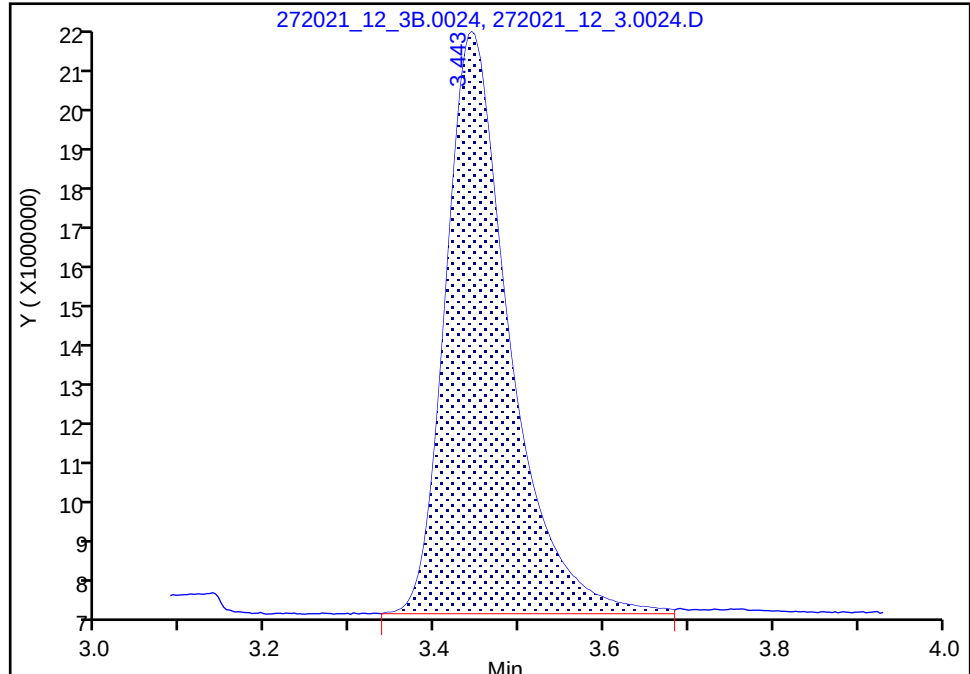
Detector: 1FIDB

4 Propanol, CAS: 71-23-8

Signal: 2

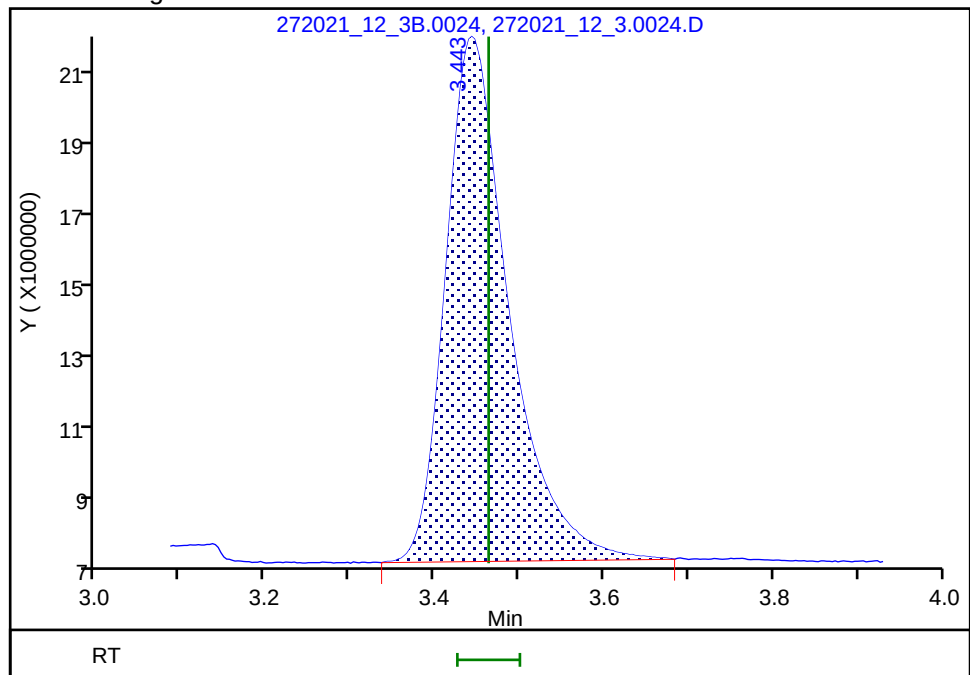
RT: 3.44
Area: 72731246
Amount: 5121.7294
Amount Units: ug/l

Processing Integration Results



RT: 3.44
Area: 71801566
Amount: 5056.2614
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:17:48

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
 SDG No.: _____
 Lab Sample ID: CCV 410-201167/25 Calibration Date: 12/03/2021 19:44
 Instrument ID: 2739 Calib Start Date: 12/03/2021 13:49
 GC Column: RTX200 ID: _____ Calib End Date: 12/03/2021 15:04
 Lab File ID: 272021_12_3.0029.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	2493	2703		5440	5010	8.4	20.0
Ethanol	Ave	3693	3838		5200	5000	3.9	20.0
Isopropanol	Ave	3745	4000		5350	5010	6.8	20.0
1-Propanol	Lin		7428		5520	5070	8.9	20.0
Isobutanol	Ave	6474	6366		5060	5140	-1.7	20.0
1-Butanol	Ave	5291	5554		5430	5170	5.0	20.0
Acetone	Ave	3177	3134		4940	5010	-1.3	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: CCV 410-201167/25 Calibration Date: 12/03/2021 19:44
Instrument ID: 2739 Calib Start Date: 12/03/2021 13:49
GC Column: RTX200 ID: _____ Calib End Date: 12/03/2021 15:04
Lab File ID: 272021_12_3.0029.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.34	0.31	0.37
Ethanol	0.44	0.41	0.47
Isopropanol	0.54	0.51	0.57
1-Propanol	0.72	0.70	0.76
Isobutanol	1.10	1.08	1.14
1-Butanol	1.38	1.35	1.41
Acetone	0.96	0.93	0.99

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0029.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 03-Dec-2021 19:44:00 ALS Bottle#: 0 Worklist Smp#: 25
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ccv
 Misc. Info.: 410-0045468-025
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:42:24 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 07:19:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol

1	0.337	0.337	0.000	13553125	5014.0	5436.2	
2	0.710	0.723	-0.013	38212452	5014.0	5124.1	
RPD = 5.91							

2 Ethanol

1	0.437	0.437	0.000	19197920	5002.0	5198.9	M
2	1.627	1.640	-0.013	55045314	5002.0	5032.3	M
RPD = 3.26							

3 Isopropyl alcohol

1	0.537	0.540	-0.003	20039587	5010.0	5350.4	
2	2.893	2.900	-0.007	60605731	5010.0	5093.7	M
RPD = 4.92							

4 Propanol

1	0.723	0.727	-0.004	37655937	5069.5	5520.1	M
2	3.440	3.463	-0.023	71377088	5069.5	5026.4	M
RPD = 9.36							

\$ 5 Acetone

1	0.957	0.960	-0.003	15695832	5008.0	4941.0	
2	2.583	2.587	-0.004	46829171	5008.0	4711.8	M
RPD = 4.75							

6 Isobutyl alcohol

1	1.103	1.110	-0.007	32750000	5144.2	5058.4	

7 n-Butanol

1	1.377	1.383	-0.007	28710938	5169.0	5426.6	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME3_00026

Amount Added: 1.00

Units: mL

Report Date: 04-Dec-2021 07:42:24

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0029.D

Injection Date: 03-Dec-2021 19:44:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ccv

Worklist Smp#: 25

Client ID:

Purge Vol: 1.000 uL

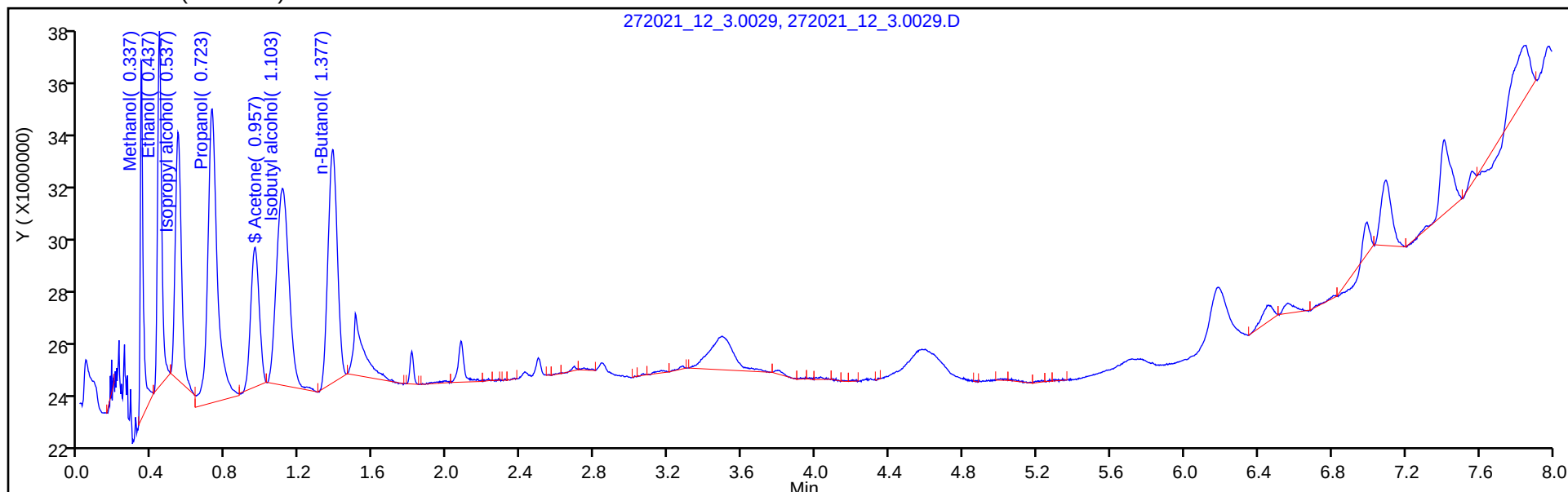
Dil. Factor: 1.0000

ALS Bottle#: 0

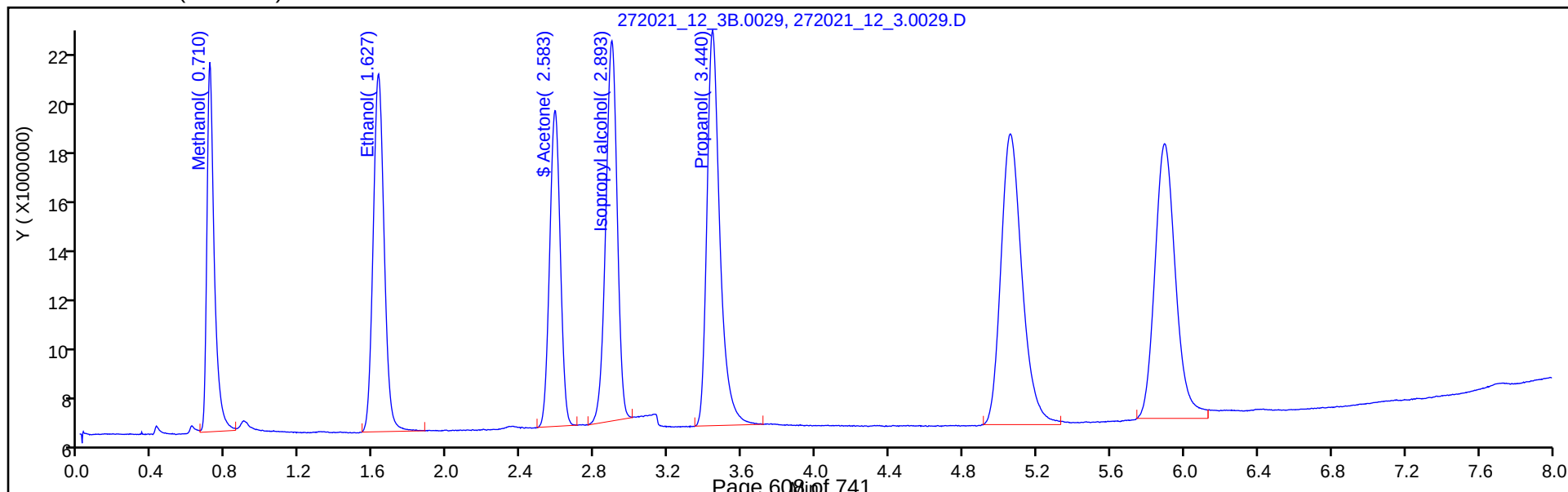
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: CCV 410-201167/25 Calibration Date: 12/03/2021 19:44
Instrument ID: 2739 Calib Start Date: 12/03/2021 13:49
GC Column: SP1000 ID: _____ Calib End Date: 12/03/2021 15:04
Lab File ID: 272021_12_3.0029.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	7457	7621		5120	5010	2.2	20.0
Ethanol	Ave	10938	11005		5030	5000	0.6	20.0
Isopropanol	Ave	11898	12097		5090	5010	1.7	20.0
1-Propanol	Ave	14201	14080		5030	5070	-0.9	20.0
Acetone	Ave	9939	9351		4710	5010	-5.9	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: CCV 410-201167/25 Calibration Date: 12/03/2021 19:44
Instrument ID: 2739 Calib Start Date: 12/03/2021 13:49
GC Column: SP1000 ID: _____ Calib End Date: 12/03/2021 15:04
Lab File ID: 272021_12_3.0029.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.71	0.69	0.75
Ethanol	1.63	1.61	1.67
Isopropanol	2.89	2.87	2.93
1-Propanol	3.44	3.43	3.50
Acetone	2.58	2.56	2.62

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0029.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 03-Dec-2021 19:44:00 ALS Bottle#: 0 Worklist Smp#: 25
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ccv
 Misc. Info.: 410-0045468-025
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:42:24 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 07:19:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol

1	0.337	0.337	0.000	13553125	5014.0	5436.2	
2	0.710	0.723	-0.013	38212452	5014.0	5124.1	
RPD = 5.91							

2 Ethanol

1	0.437	0.437	0.000	19197920	5002.0	5198.9	M
2	1.627	1.640	-0.013	55045314	5002.0	5032.3	M
RPD = 3.26							

3 Isopropyl alcohol

1	0.537	0.540	-0.003	20039587	5010.0	5350.4	
2	2.893	2.900	-0.007	60605731	5010.0	5093.7	M
RPD = 4.92							

4 Propanol

1	0.723	0.727	-0.004	37655937	5069.5	5520.1	M
2	3.440	3.463	-0.023	71377088	5069.5	5026.4	M
RPD = 9.36							

\$ 5 Acetone

1	0.957	0.960	-0.003	15695832	5008.0	4941.0	
2	2.583	2.587	-0.004	46829171	5008.0	4711.8	M
RPD = 4.75							

6 Isobutyl alcohol

1	1.103	1.110	-0.007	32750000	5144.2	5058.4	

7 n-Butanol

1	1.377	1.383	-0.007	28710938	5169.0	5426.6	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME3_00026

Amount Added: 1.00

Units: mL

Report Date: 04-Dec-2021 07:42:24

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0029.D

Injection Date: 03-Dec-2021 19:44:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ccv

Worklist Smp#: 25

Client ID:

Purge Vol: 1.000 uL

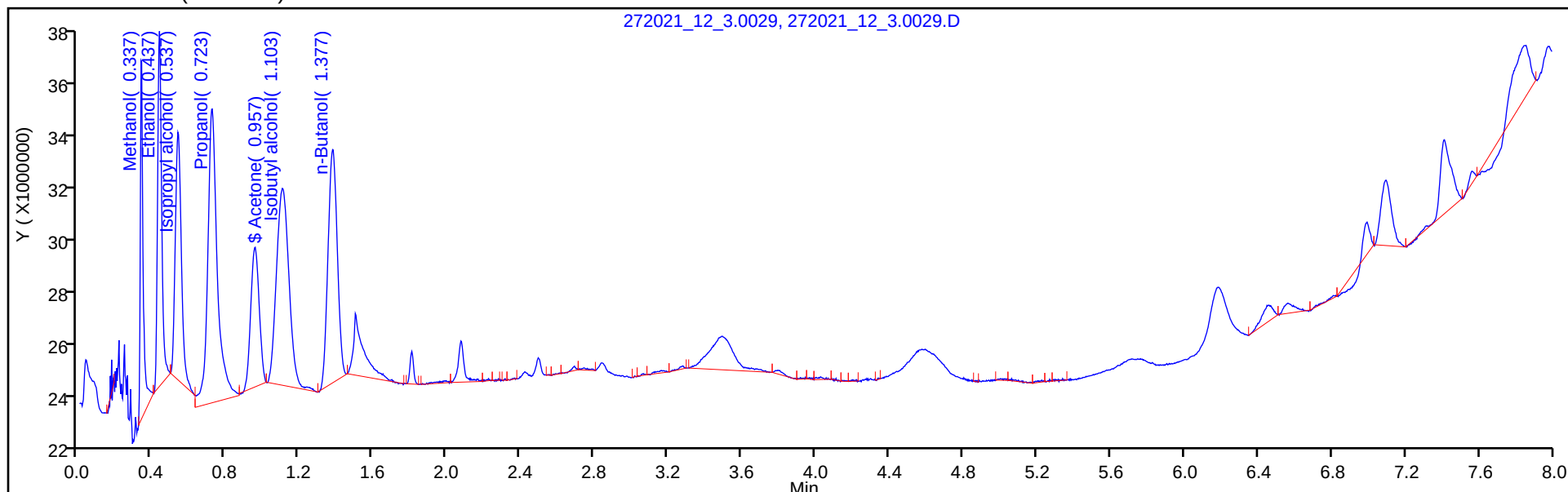
Dil. Factor: 1.0000

ALS Bottle#: 0

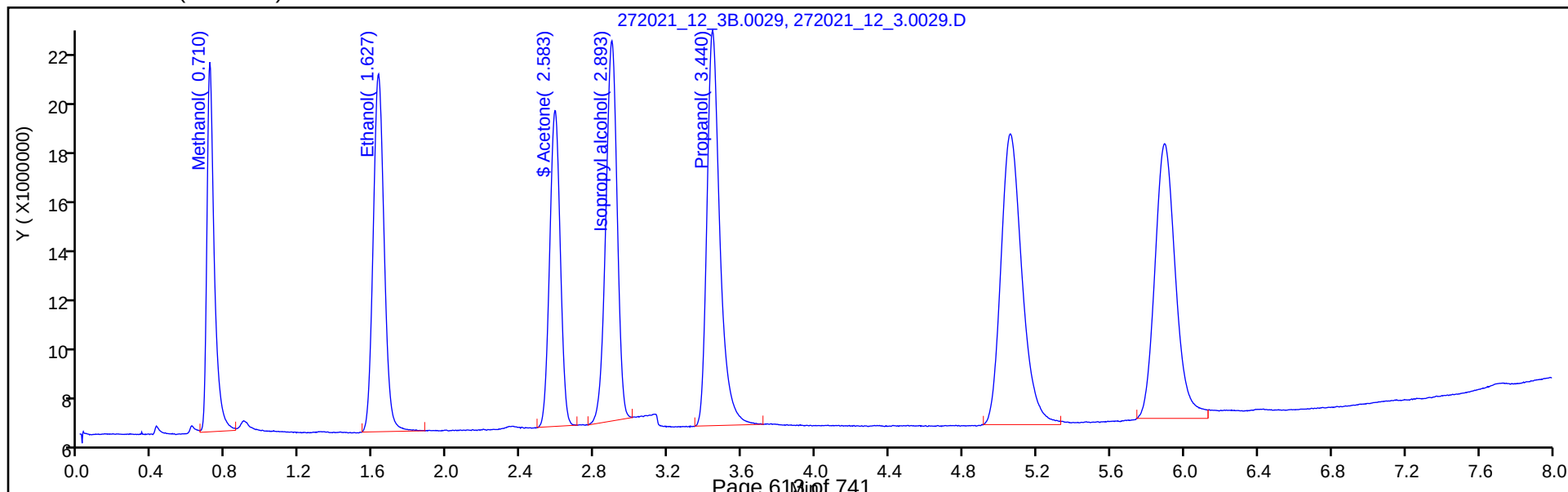
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

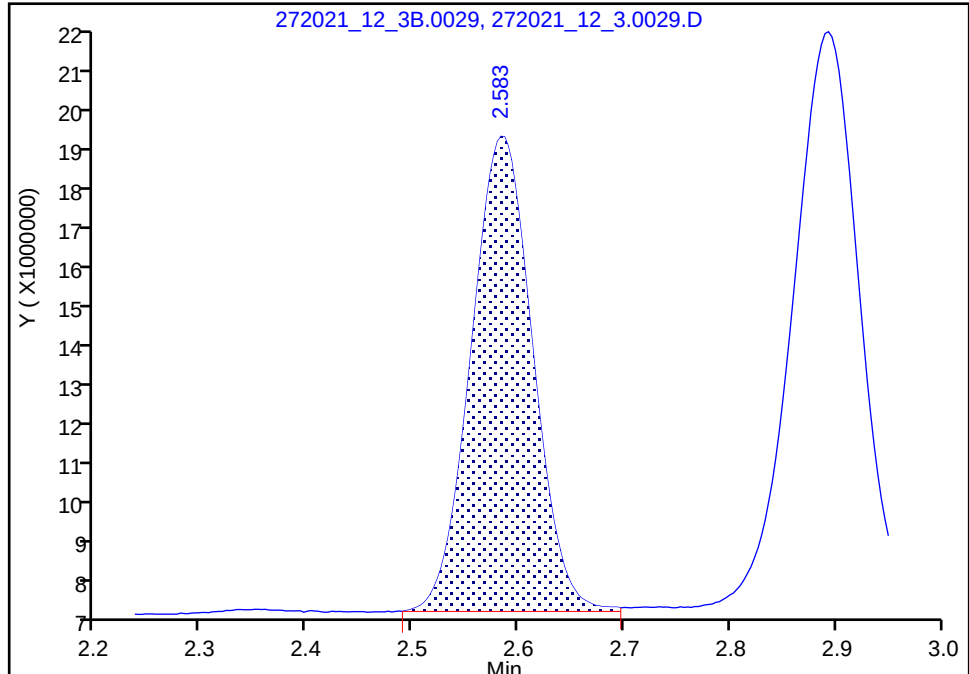
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Injection Date: 03-Dec-2021 19:44:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 25
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

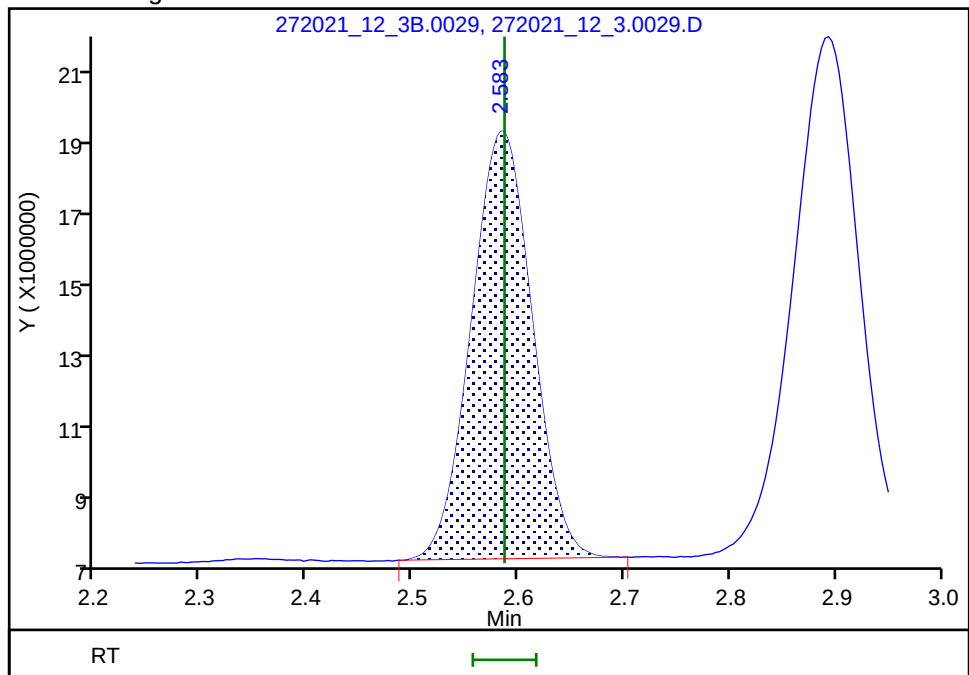
RT: 2.58
Area: 47476048
Amount: 4776.9086
Amount Units: ug/l

Processing Integration Results



RT: 2.58
Area: 46829171
Amount: 4711.8216
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:19:37

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

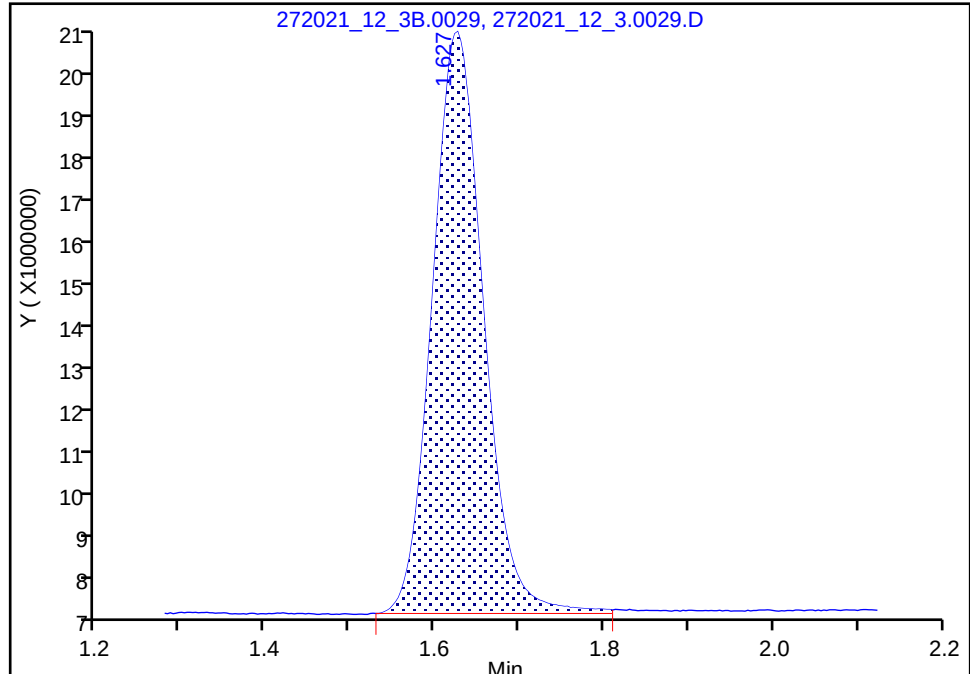
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0029.D
Injection Date: 03-Dec-2021 19:44:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 25
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

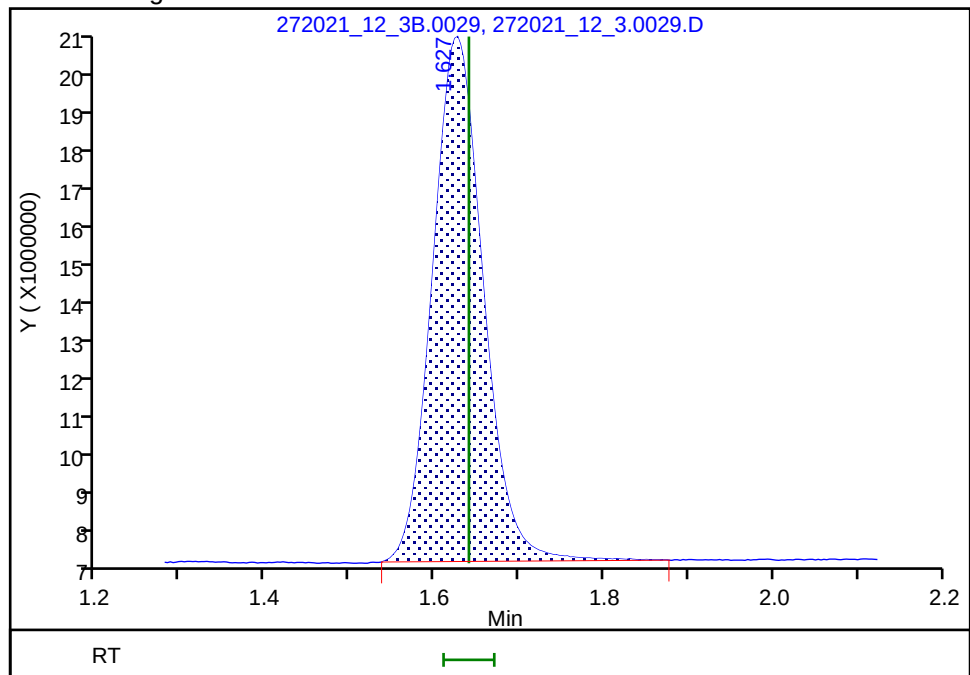
RT: 1.63
Area: 55451049
Amount: 5069.3539
Amount Units: ug/l

Processing Integration Results



RT: 1.63
Area: 55045314
Amount: 5032.2614
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:19:40

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

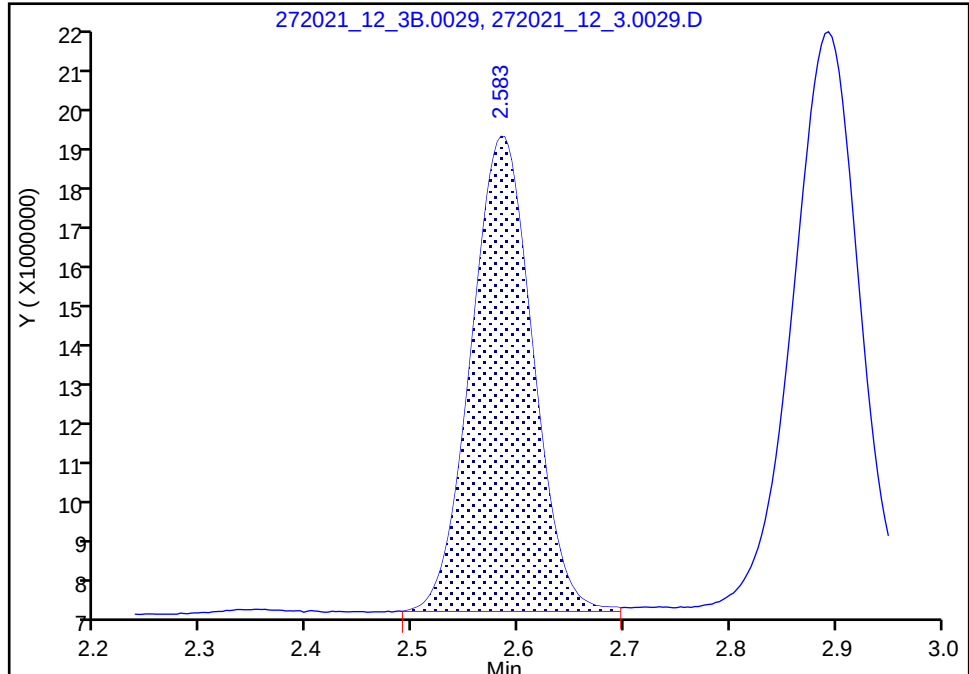
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0029.D
Injection Date: 03-Dec-2021 19:44:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 25
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

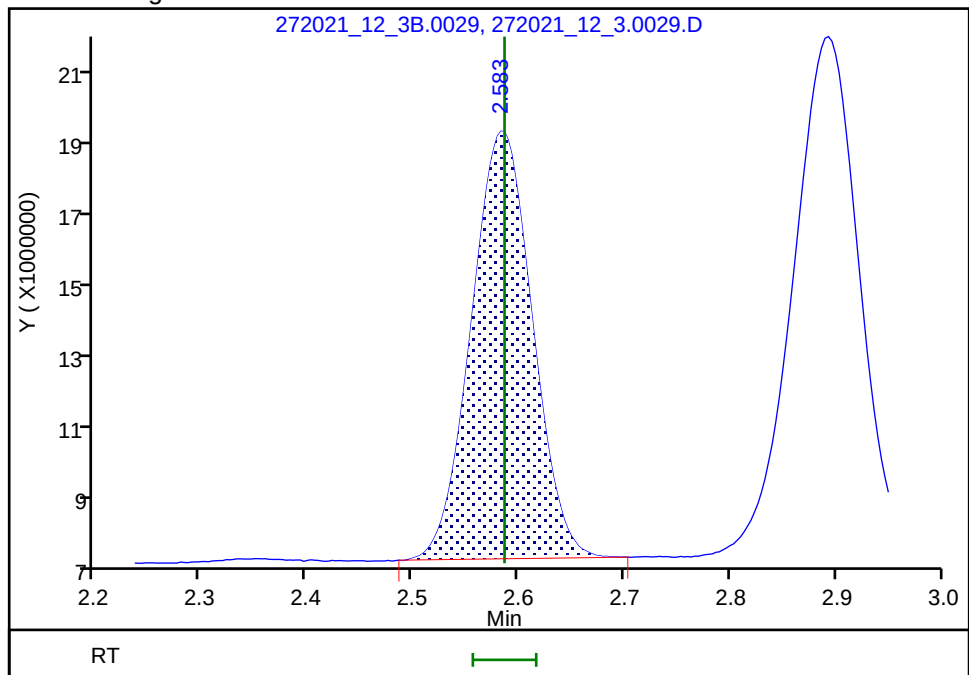
RT: 2.58
Area: 47476048
Amount: 4776.9086
Amount Units: ug/l

Processing Integration Results



RT: 2.58
Area: 46829171
Amount: 4711.8216
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:19:37

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

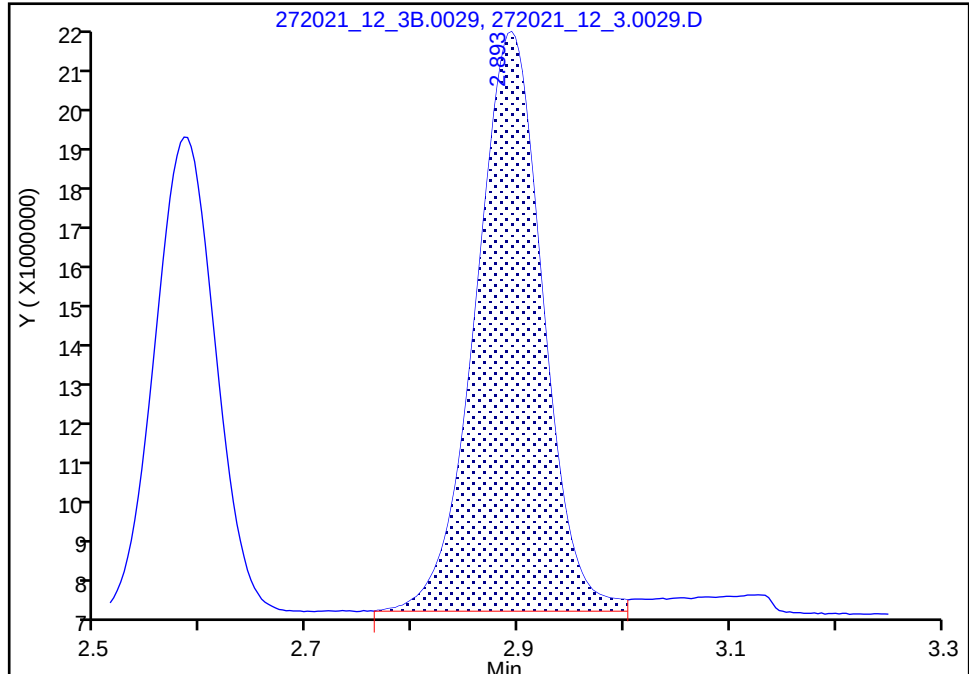
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0029.D
Injection Date: 03-Dec-2021 19:44:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 25
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

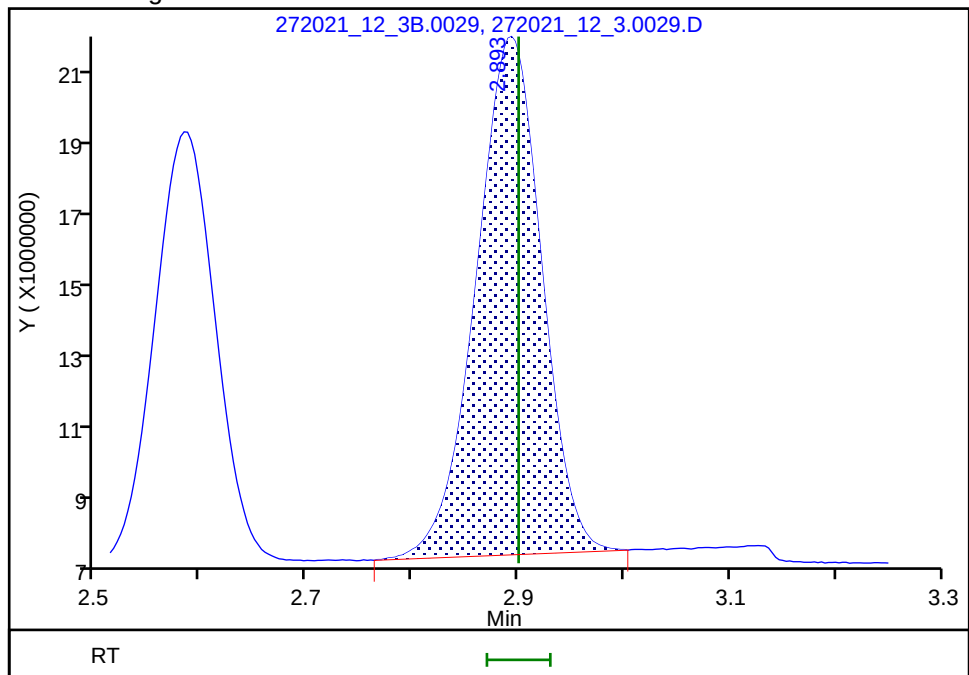
RT: 2.89
Area: 62620831
Amount: 5263.0724
Amount Units: ug/l

Processing Integration Results



RT: 2.89
Area: 60605731
Amount: 5093.7100
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:19:47

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

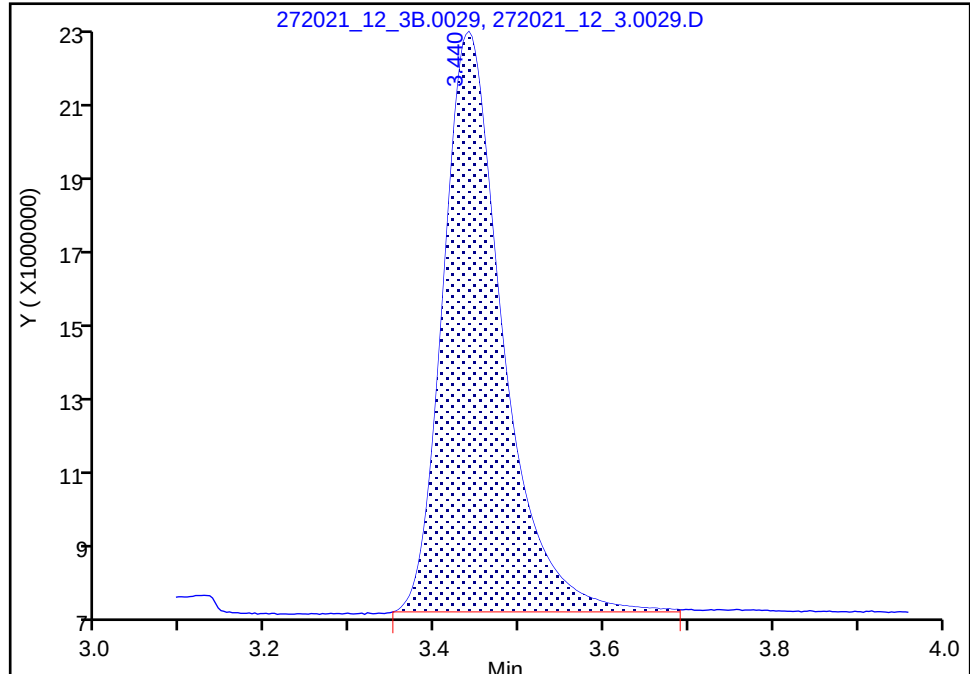
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0029.D
Injection Date: 03-Dec-2021 19:44:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 25
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

4 Propanol, CAS: 71-23-8

Signal: 2

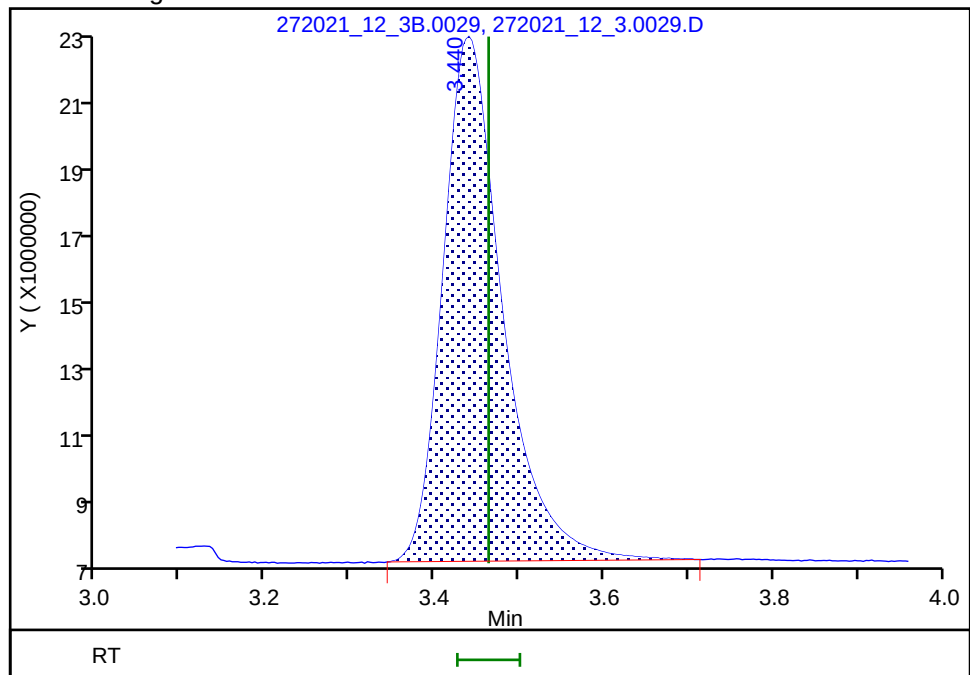
RT: 3.44
Area: 71489578
Amount: 5034.2912
Amount Units: ug/l

Processing Integration Results



RT: 3.44
Area: 71377088
Amount: 5026.3697
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:19:52

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 410-199643/1-A
Matrix: Water Lab File ID: 272021_11_30.0020.D
Analysis Method: 8015D Date Collected: _____
Sample wt/vol: 1(mL) Date Analyzed: 11/30/2021 16:18
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX200 ID: _____
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 199563 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	99		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0020.D
 Lims ID: MB 410-199643/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 30-Nov-2021 16:18:00 ALS Bottle#: 0 Worklist Smp#: 20
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: MB 410-199643/1-A
 Misc. Info.: 410-0045155-020
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 11:28:44 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 01-Dec-2021 10:43:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							a
1	0.000	0.340	0.000	0		0	
2	0.713	0.720	-0.007	477085		69.2	a
						RPD = 200.00	
2 Ethanol							Ma
1	0.000	0.440	0.000	0		0	
2	1.643	1.653	-0.010	172124		16.3	M
						RPD = 200.00	
3 Isopropyl alcohol							Ma
1	0.000	0.543	0.000	0		0	
2	2.957	2.947	0.010	315982		27.3	M
						RPD = 200.00	
4 Propanol							
1		0.730				ND	
2		3.523					
\$ 5 Acetone							Ma
1	0.967	0.967	0.000	9254167	2504.0	2468.9	M
2	2.623	2.623	0.000	24095834	2504.0	2389.0	a
						RPD = 3.29	
6 Isobutyl alcohol							
1		1.113				ND	
7 n-Butanol							
1		1.390				ND	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Report Date: 01-Dec-2021 11:29:54

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0020.D

Injection Date: 30-Nov-2021 16:18:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: MB 410-199643/1-A

Worklist Smp#: 20

Client ID:

Purge Vol: 1.000 uL

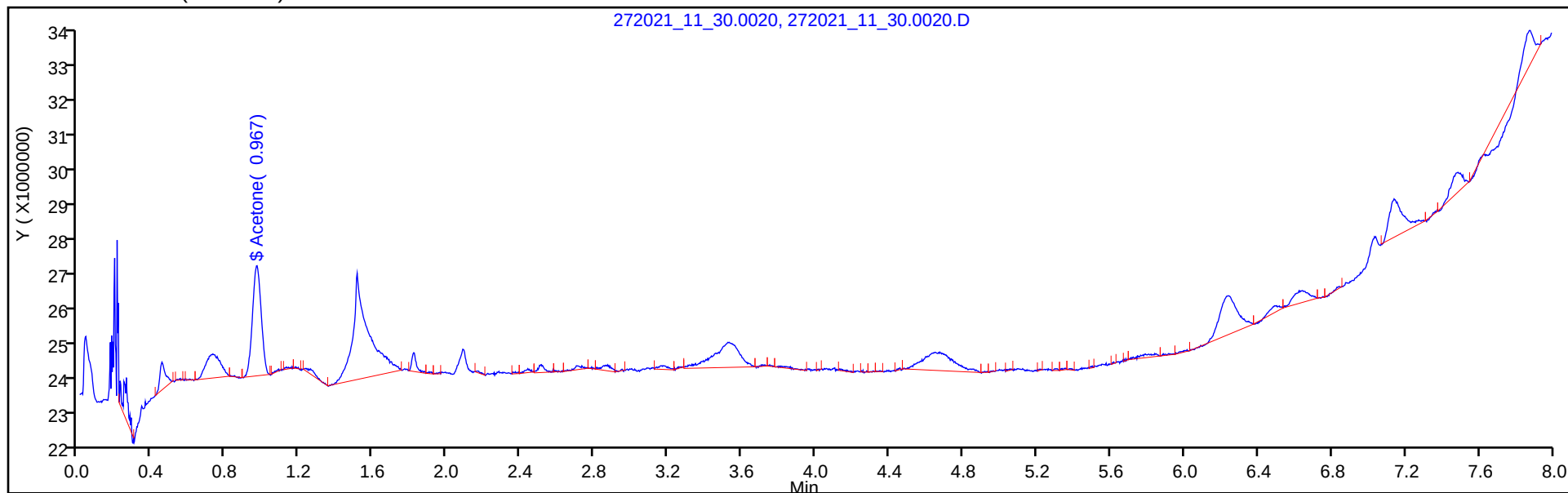
Dil. Factor: 1.0000

ALS Bottle#: 0

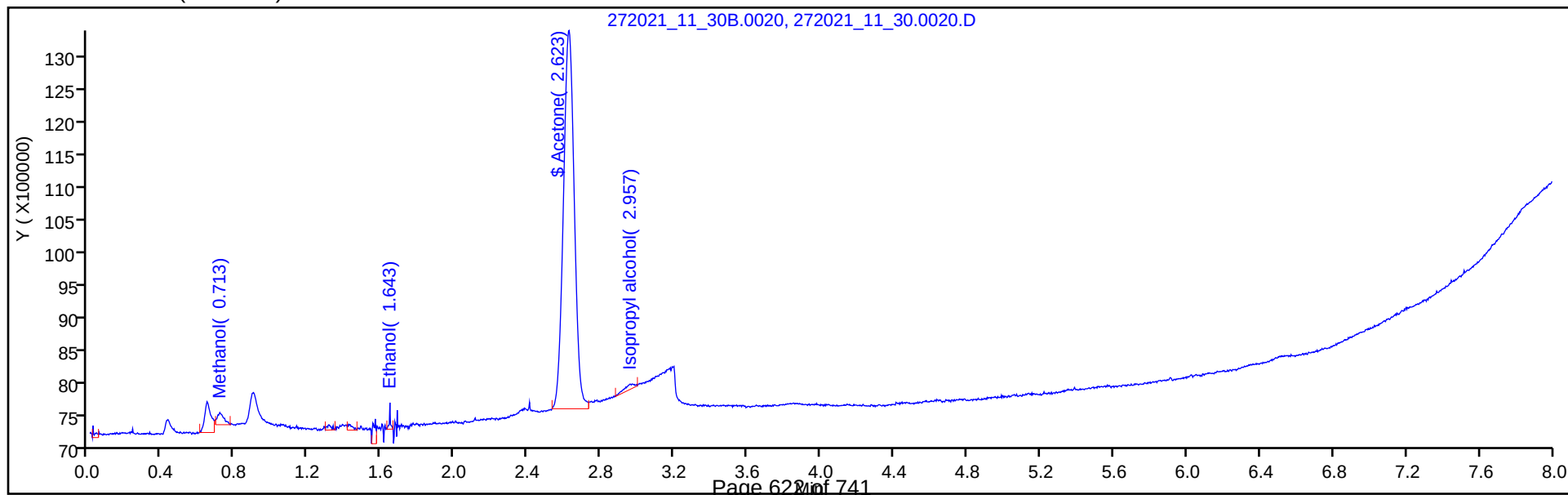
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

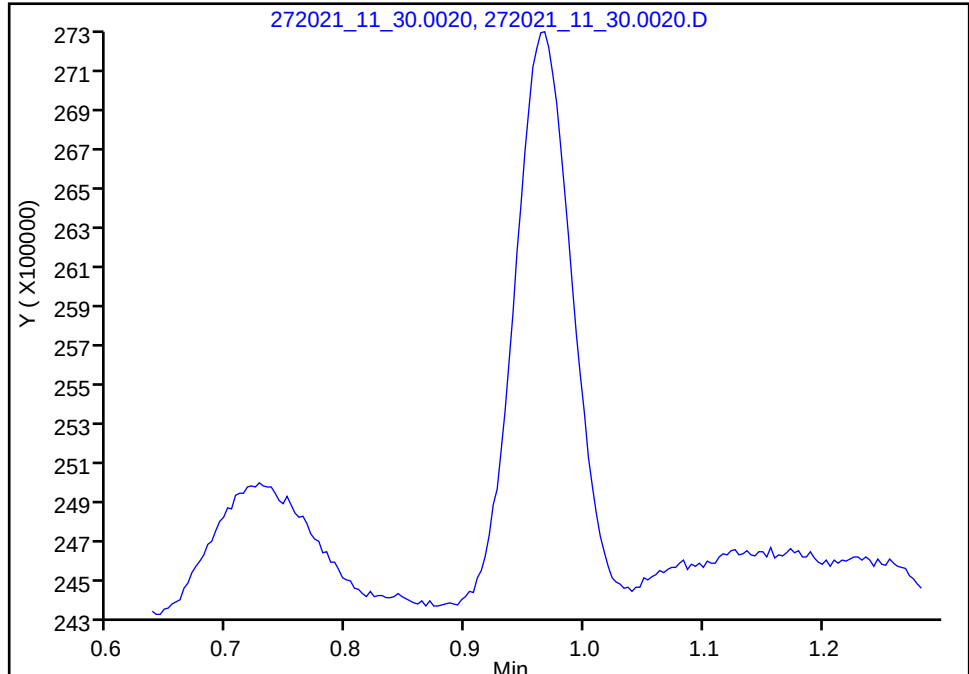
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0020.D
Injection Date: 30-Nov-2021 16:18:00 Instrument ID: 2739
Lims ID: MB 410-199643/1-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

\$ 5 Acetone, CAS: 67-64-1

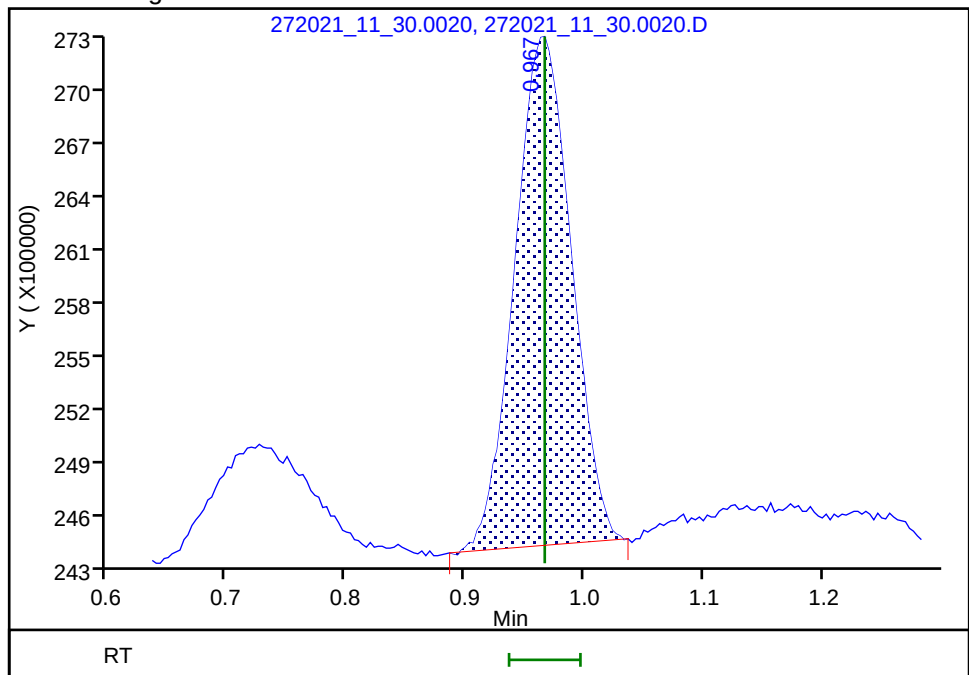
Signal: 1

Not Detected
Expected RT: 0.97

Processing Integration Results



Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 10:43:41

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 410-199643/1-A
 Matrix: Water Lab File ID: 272021_11_30.0020.D
 Analysis Method: 8015D Date Collected: _____
 Sample wt/vol: 1(mL) Date Analyzed: 11/30/2021 16:18
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: SP1000 ID: _____
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 199563 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
64-17-5	Ethanol	ND		1000	150
67-56-1	Methanol	ND		1000	220

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	95		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0020.D
 Lims ID: MB 410-199643/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 30-Nov-2021 16:18:00 ALS Bottle#: 0 Worklist Smp#: 20
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: MB 410-199643/1-A
 Misc. Info.: 410-0045155-020
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 11:28:44 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 01-Dec-2021 10:43:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							a
1	0.000	0.340	0.000	0		0	
2	0.713	0.720	-0.007	477085		69.2	a
						RPD = 200.00	
2 Ethanol							Ma
1	0.000	0.440	0.000	0		0	
2	1.643	1.653	-0.010	172124		16.3	M
						RPD = 200.00	
3 Isopropyl alcohol							Ma
1	0.000	0.543	0.000	0		0	
2	2.957	2.947	0.010	315982		27.3	M
						RPD = 200.00	
4 Propanol							
1		0.730				ND	
2		3.523					
\$ 5 Acetone							Ma
1	0.967	0.967	0.000	9254167	2504.0	2468.9	M
2	2.623	2.623	0.000	24095834	2504.0	2389.0	a
						RPD = 3.29	
6 Isobutyl alcohol							
1		1.113				ND	
7 n-Butanol							
1		1.390				ND	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Report Date: 01-Dec-2021 11:29:54

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0020.D

Injection Date: 30-Nov-2021 16:18:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: MB 410-199643/1-A

Worklist Smp#:

20

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

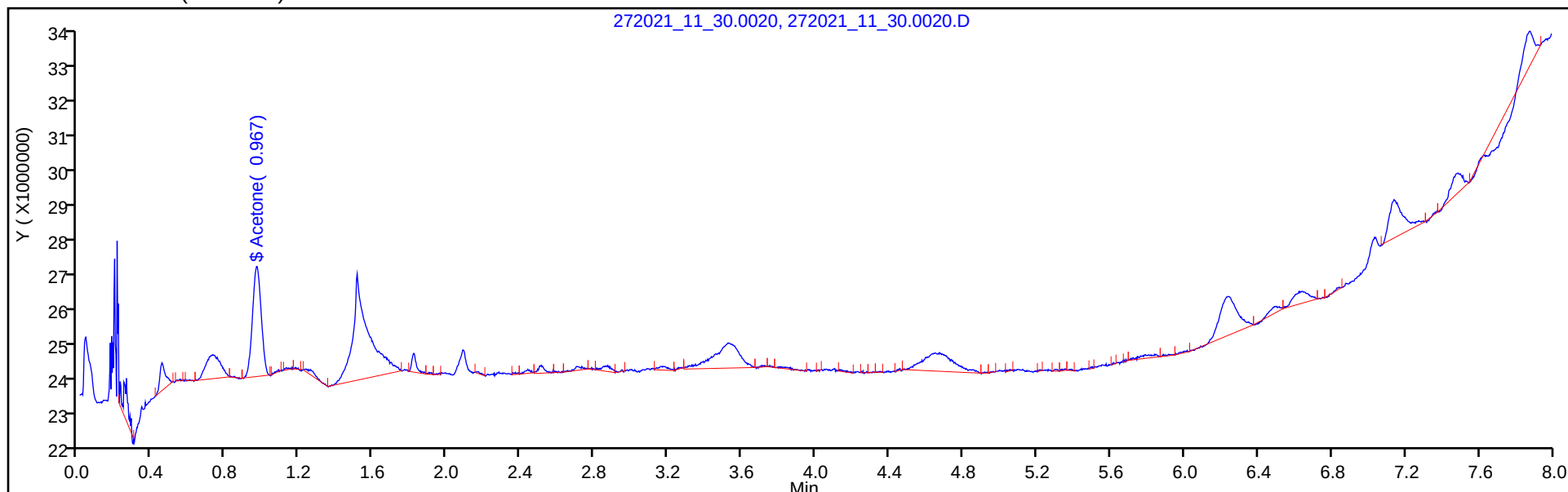
ALS Bottle#:

0

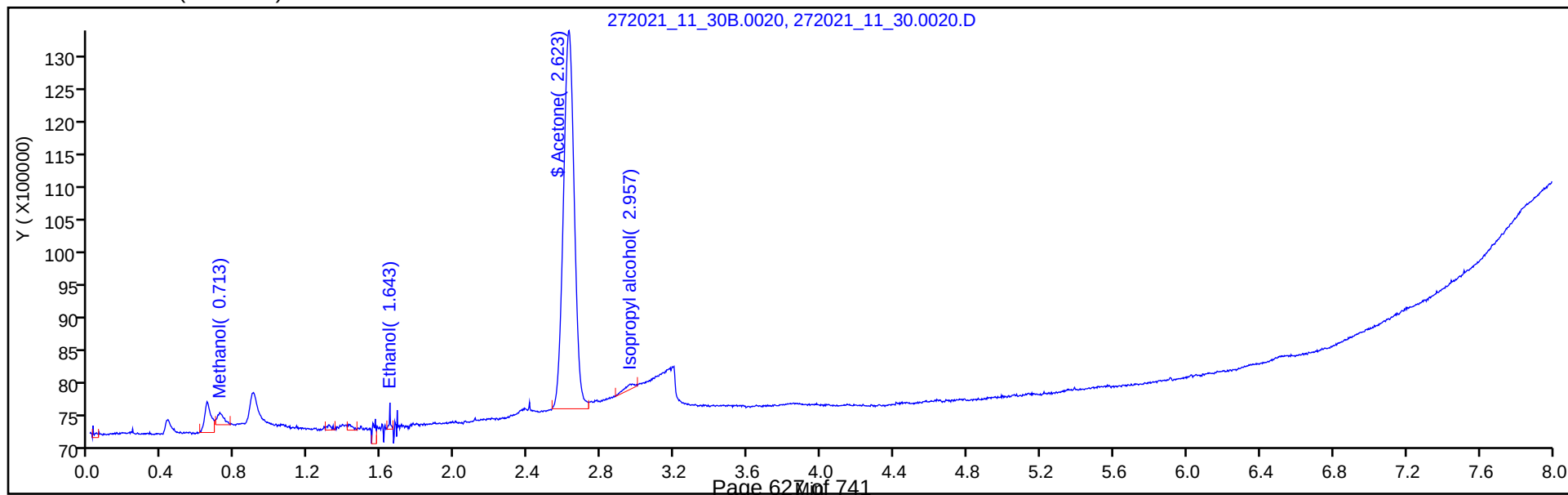
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

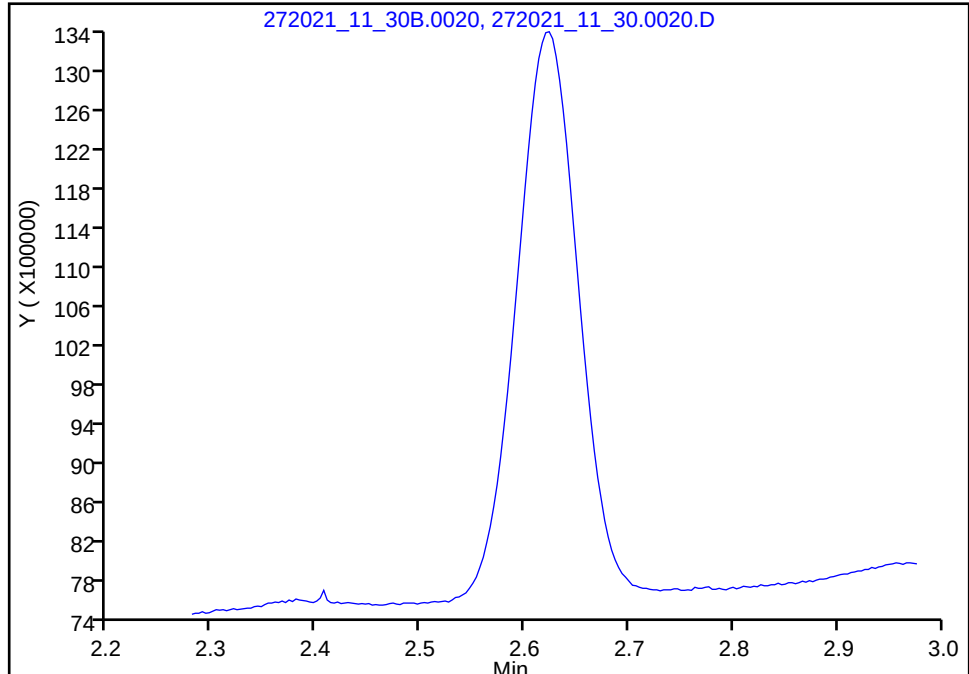
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0020.D
Injection Date: 30-Nov-2021 16:18:00 Instrument ID: 2739
Lims ID: MB 410-199643/1-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

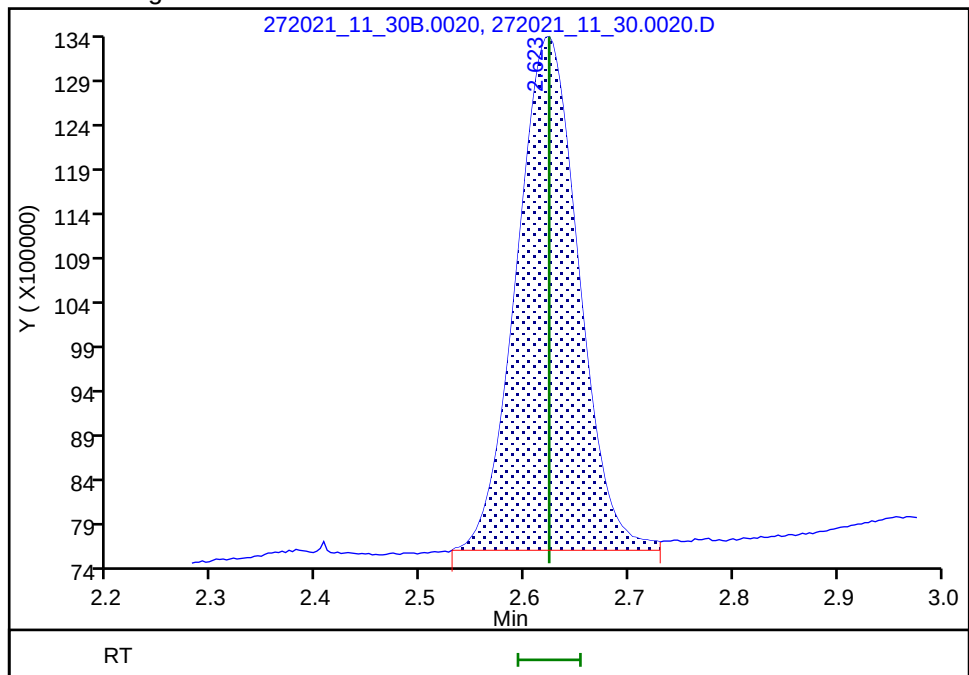
Not Detected
Expected RT: 2.62

Processing Integration Results



RT: 2.62
Area: 24095834
Amount: 2388.9558
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 10:43:06

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Env, LLC

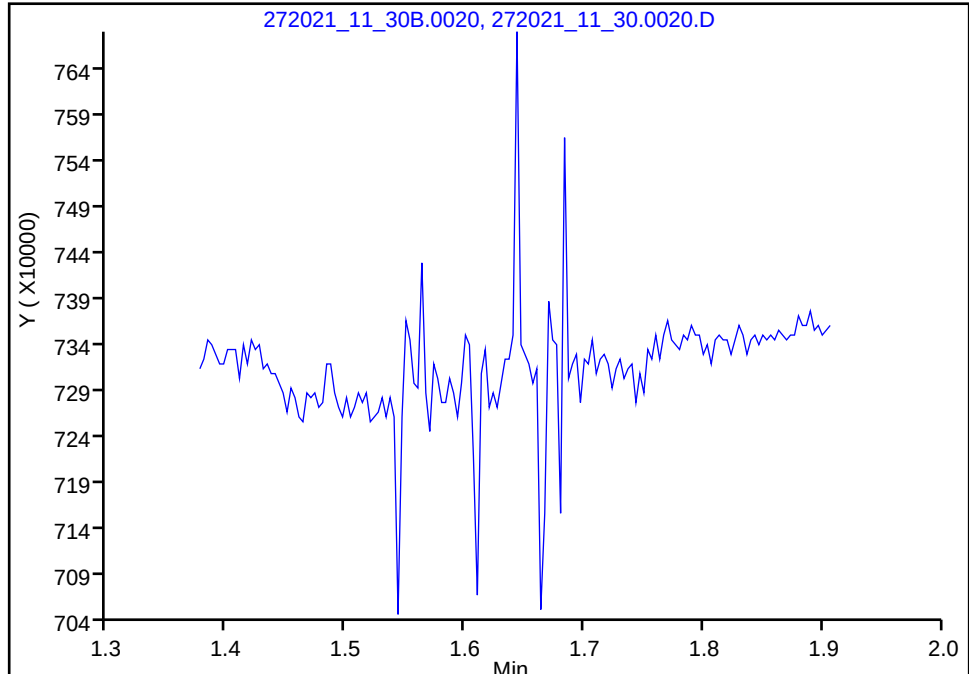
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0020.D
Injection Date: 30-Nov-2021 16:18:00 Instrument ID: 2739
Lims ID: MB 410-199643/1-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

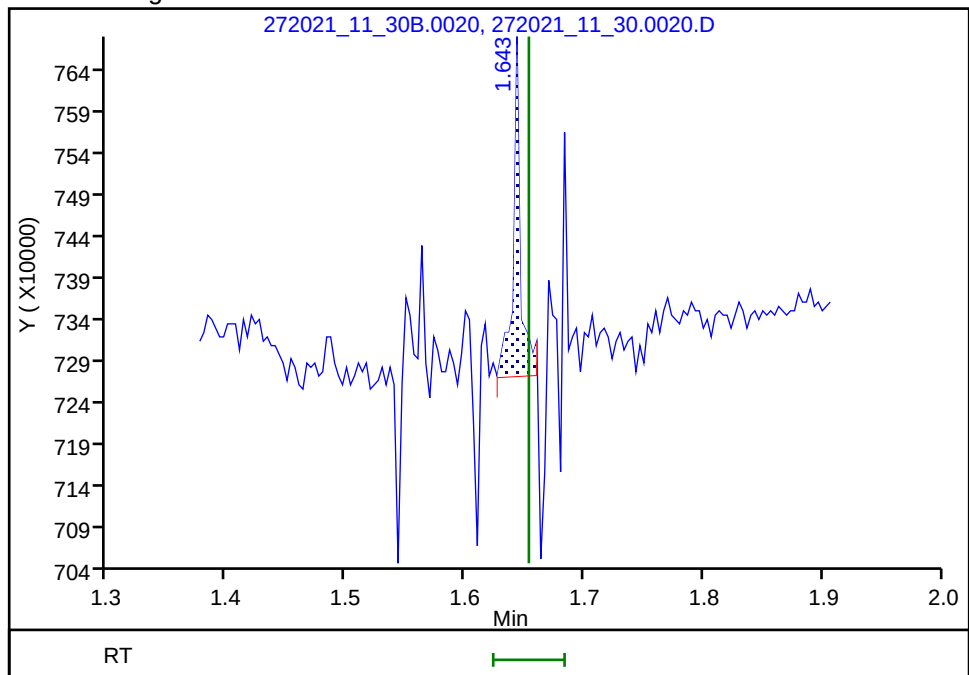
Not Detected
Expected RT: 1.65

Processing Integration Results



Manual Integration Results

RT: 1.64
Area: 172124
Amount: 16.283314
Amount Units: ug/l



Reviewer: kennedyj, 01-Dec-2021 10:44:09

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

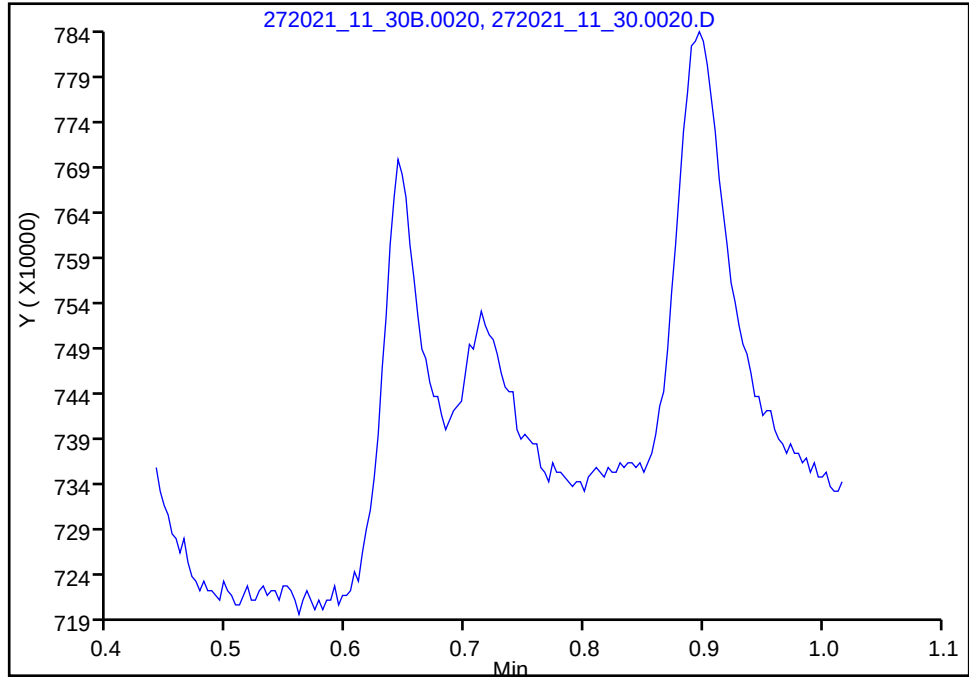
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0020.D
Injection Date: 30-Nov-2021 16:18:00 Instrument ID: 2739
Lims ID: MB 410-199643/1-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

1 Methanol, CAS: 67-56-1

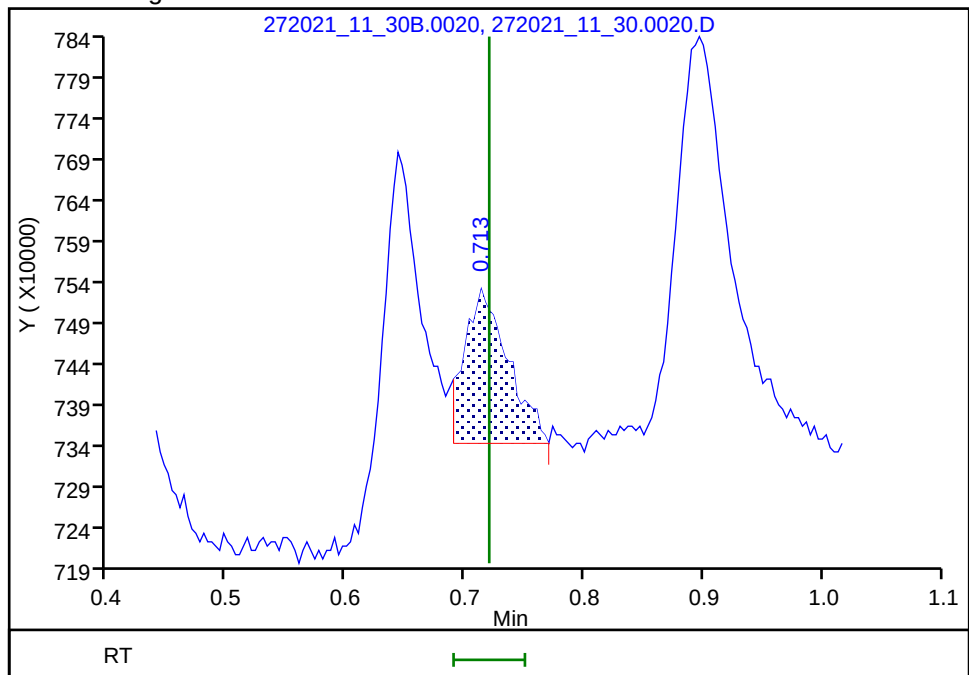
Signal: 2

Not Detected
Expected RT: 0.72

Processing Integration Results



Manual Integration Results



RT: 0.71
Area: 477085
Amount: 69.163164
Amount Units: ug/l

Reviewer: kennedyj, 01-Dec-2021 10:44:13

Audit Action: Assigned Compound ID

Audit Reason: Peak not integrated

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 410-200611/1-A
Matrix: Water Lab File ID: 272021_12_3.0018.D
Analysis Method: 8015D Date Collected: _____
Sample wt/vol: 1(mL) Date Analyzed: 12/03/2021 16:19
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX200 ID: _____
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 201167 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	83		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0018.D
 Lims ID: MB 410-200611/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 03-Dec-2021 16:19:00 ALS Bottle#: 0 Worklist Smp#: 14
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: MB 410-200611/1-A
 Misc. Info.: 410-0045468-014
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:49:01 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 07:43:20

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol								Ma
1	0.000	0.337	0.000	0		0		
2	0.710	0.723	-0.013	533913		71.6	M	
						RPD = 200.00		
2 Ethanol								
1		0.437				ND		
2		1.640						
3 Isopropyl alcohol							Ma	
1	0.000	0.540	0.000	0		0		
2	2.913	2.900	0.013	627253		52.7	M	
						RPD = 200.00		
4 Propanol							a	
1	0.750	0.727	0.023	5830729		-102.9	a	
2	0.000	3.463	0.000	0		0		
						RPD = -200.00		
\$ 5 Acetone							M	
1	0.957	0.960	-0.003	6618749	2504.0	2083.6		
2	2.583	2.587	-0.004	20938602	2504.0	2106.8	M	
						RPD = 1.11		
6 Isobutyl alcohol								
1	1.110	1.110	0.000	59894		9.25		
7 n-Butanol								
1		1.383				ND		

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Report Date: 04-Dec-2021 07:49:13

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0018.D

Injection Date: 03-Dec-2021 16:19:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: MB 410-200611/1-A

Worklist Smp#:

14

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

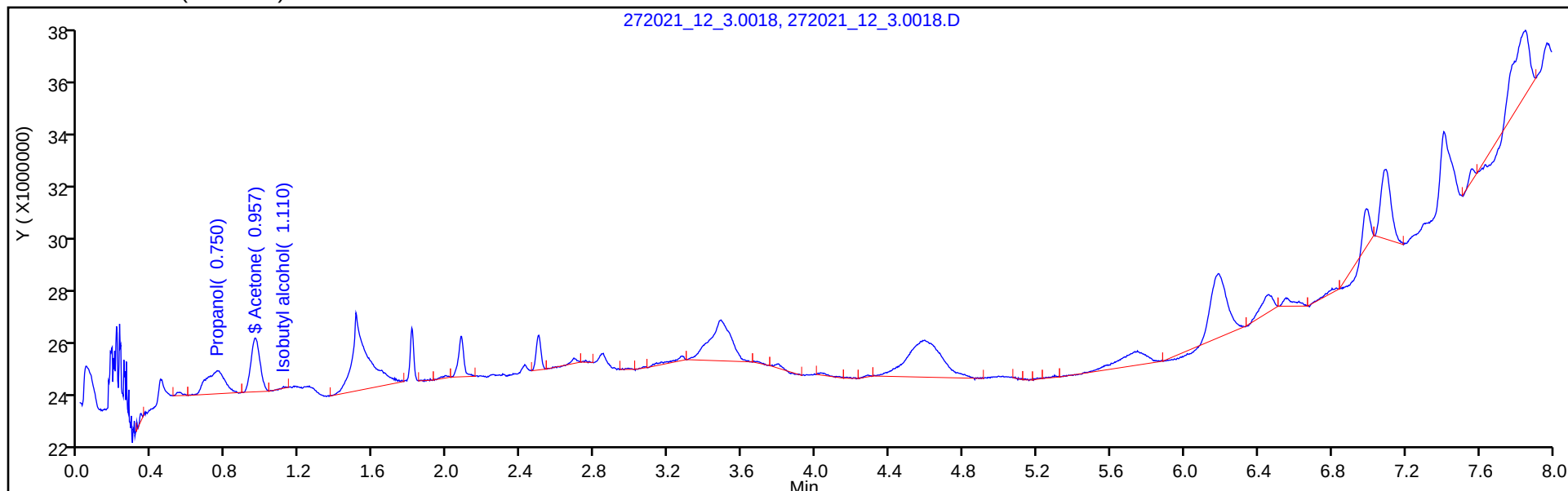
ALS Bottle#:

0

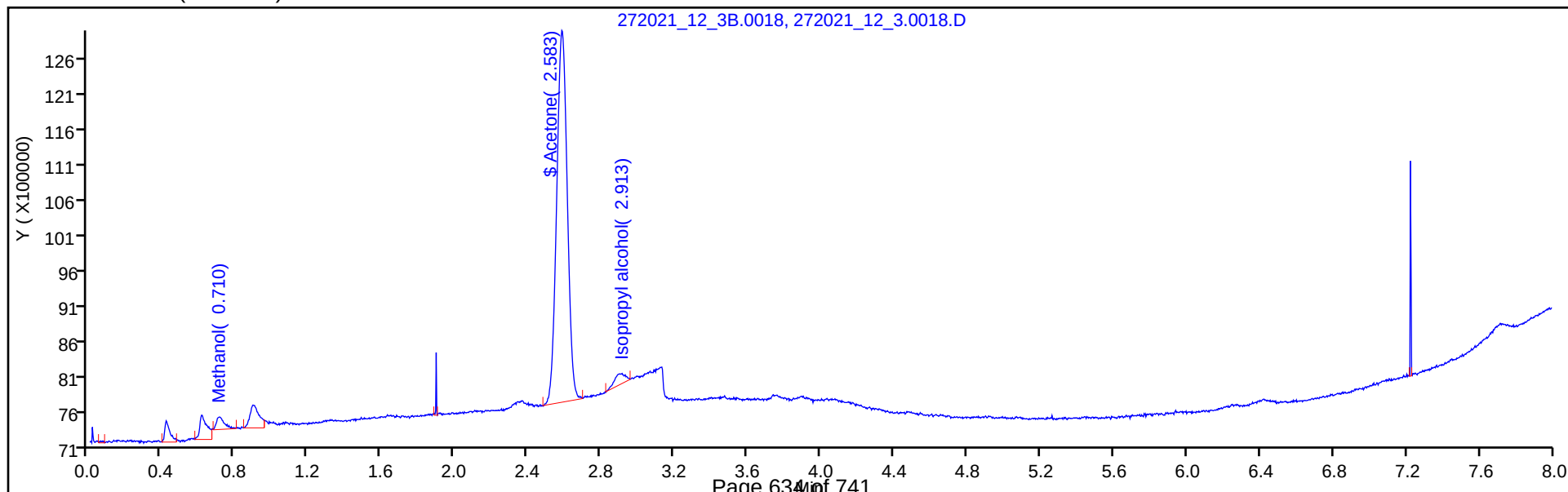
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 410-200611/1-A
 Matrix: Water Lab File ID: 272021_12_3.0018.D
 Analysis Method: 8015D Date Collected: _____
 Sample wt/vol: 1(mL) Date Analyzed: 12/03/2021 16:19
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: SP1000 ID: _____
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 201167 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
64-17-5	Ethanol	ND		1000	150
67-56-1	Methanol	ND		1000	220

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	84		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0018.D
 Lims ID: MB 410-200611/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 03-Dec-2021 16:19:00 ALS Bottle#: 0 Worklist Smp#: 14
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: MB 410-200611/1-A
 Misc. Info.: 410-0045468-014
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:49:01 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 07:43:20

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							
1	0.000	0.337	0.000	0		0	Ma
2	0.710	0.723	-0.013	533913		71.6	M
						RPD = 200.00	
2 Ethanol							
1		0.437				ND	
2		1.640					
3 Isopropyl alcohol							
1	0.000	0.540	0.000	0		0	Ma
2	2.913	2.900	0.013	627253		52.7	M
						RPD = 200.00	
4 Propanol							
1	0.750	0.727	0.023	5830729		-102.9	a
2	0.000	3.463	0.000	0		0	a
						RPD = -200.00	
\$ 5 Acetone							
1	0.957	0.960	-0.003	6618749	2504.0	2083.6	M
2	2.583	2.587	-0.004	20938602	2504.0	2106.8	M
						RPD = 1.11	
6 Isobutyl alcohol							
1	1.110	1.110	0.000	59894		9.25	
7 n-Butanol							
1		1.383				ND	

QC Flag Legend
Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Report Date: 04-Dec-2021 07:49:14

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0018.D

Injection Date: 03-Dec-2021 16:19:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: MB 410-200611/1-A

Worklist Smp#: 14

Client ID:

Purge Vol: 1.000 uL

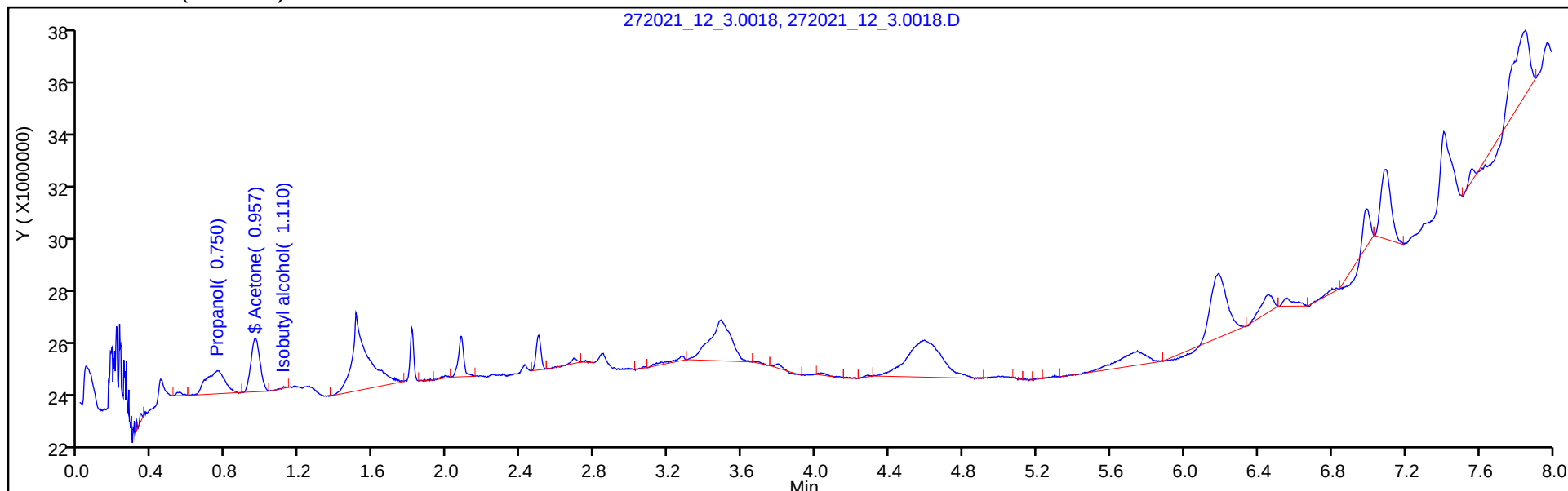
Dil. Factor: 1.0000

ALS Bottle#: 0

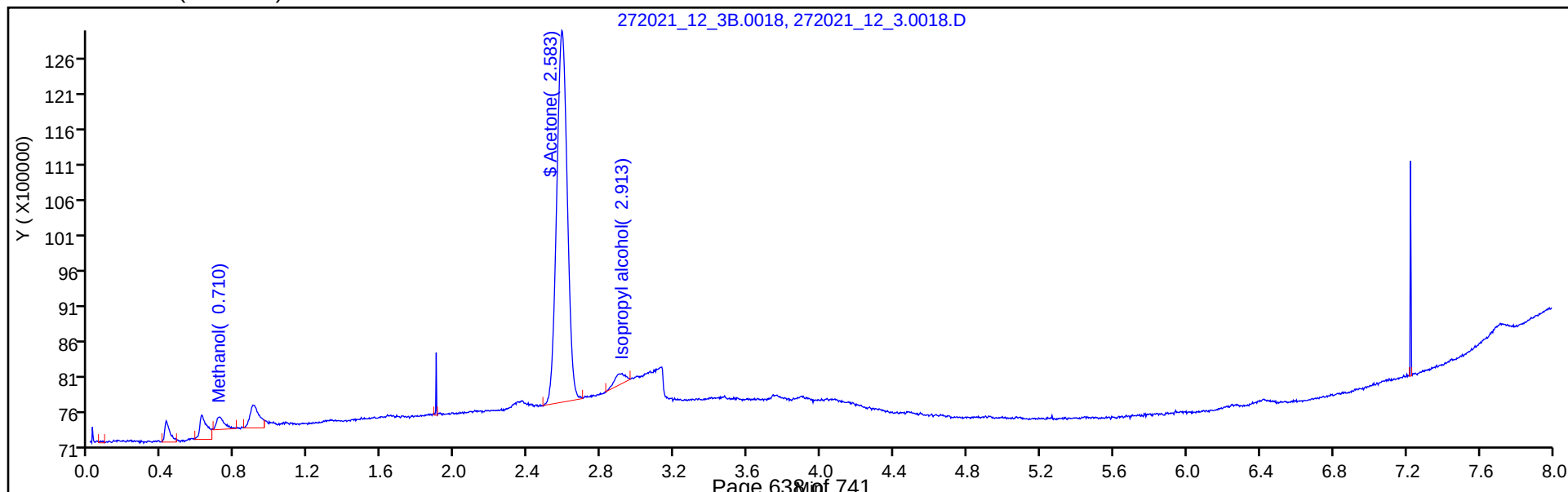
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

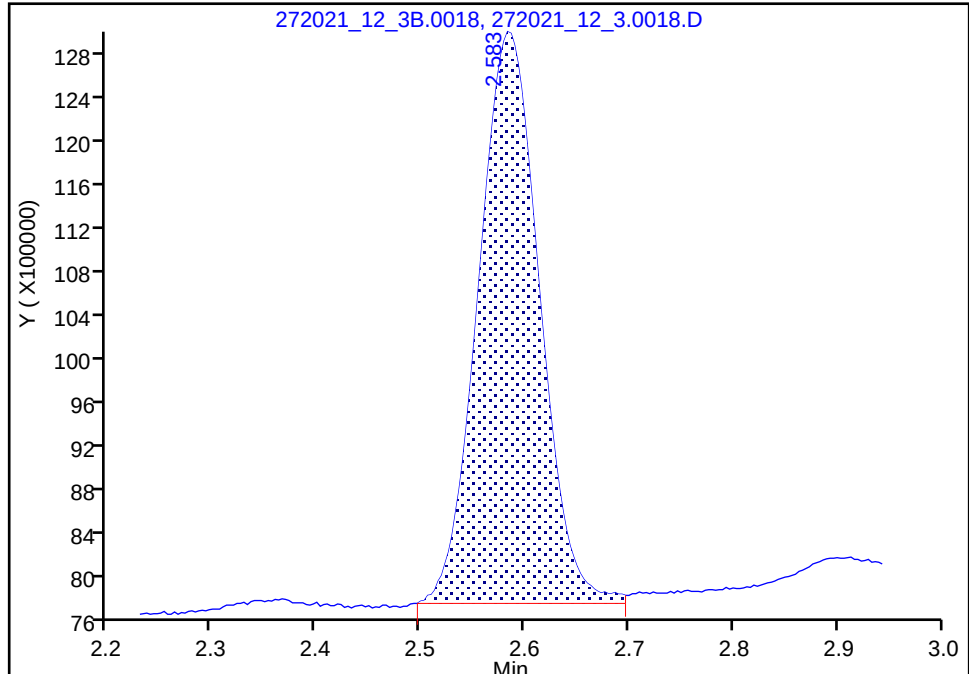
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0018.D
Injection Date: 03-Dec-2021 16:19:00 Instrument ID: 2739
Lims ID: MB 410-200611/1-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

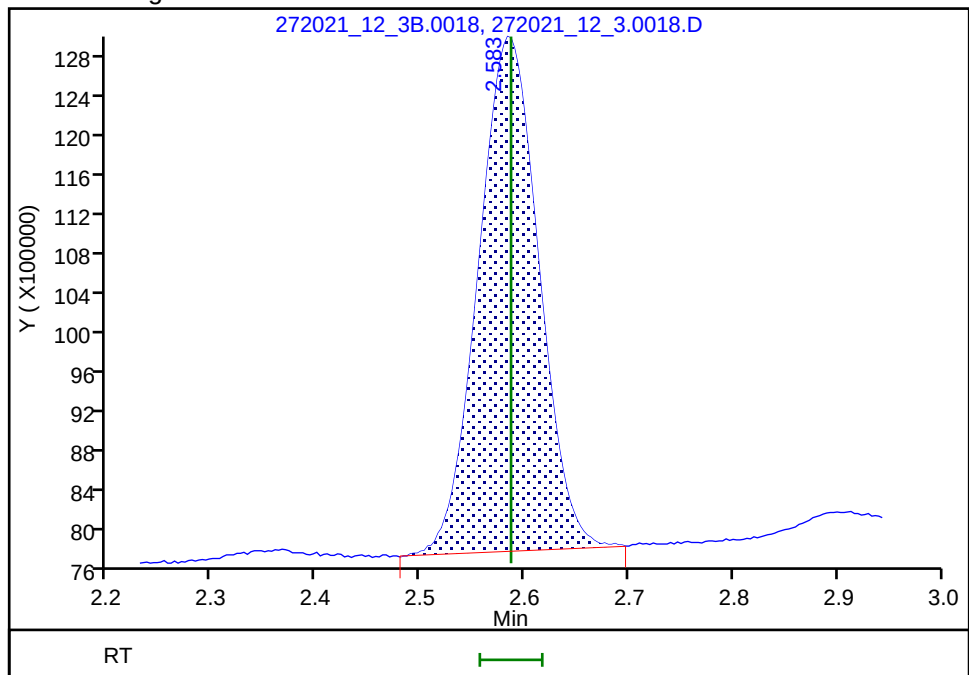
RT: 2.58
Area: 21243746
Amount: 2137.4869
Amount Units: ug/l

Processing Integration Results



RT: 2.58
Area: 20938602
Amount: 2106.7842
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:43:16

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

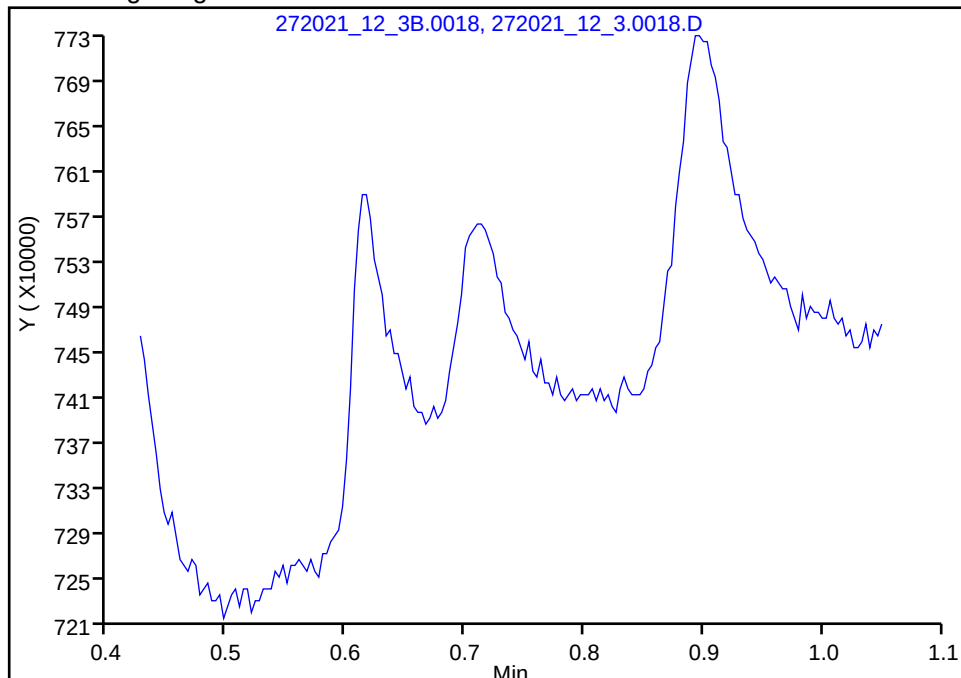
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Injection Date: 03-Dec-2021 16:19:00 Instrument ID: 2739
Lims ID: MB 410-200611/1-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

1 Methanol, CAS: 67-56-1

Signal: 2

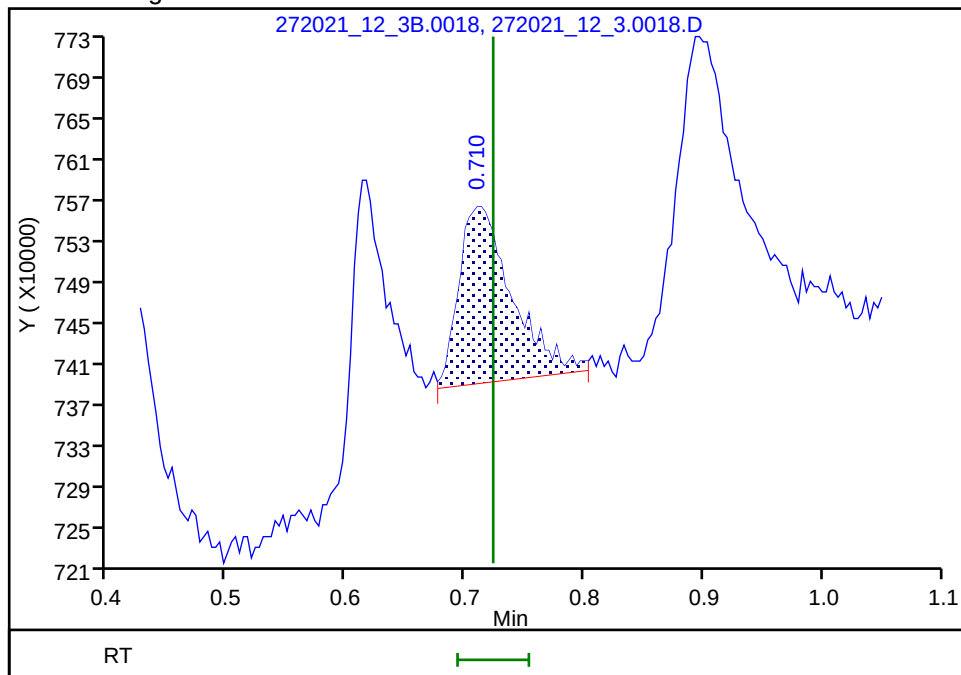
Not Detected
Expected RT: 0.72

Processing Integration Results



RT: 0.71
Area: 533913
Amount: 71.595446
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:42:53

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 410-199643/2-A
Matrix: Water Lab File ID: 272021_11_30.0021.D
Analysis Method: 8015D Date Collected: _____
Sample wt/vol: 1(mL) Date Analyzed: 11/30/2021 16:37
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX200 ID: _____
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 199563 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	93		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\202111130-45155.b\272021_11_30.0021.D
 Lims ID: LCS 410-199643/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 30-Nov-2021 16:37:00 ALS Bottle#: 0 Worklist Smp#: 21
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: LCS 410-199643/2-A
 Misc. Info.: 410-0045155-021
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\202111130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 11:28:44 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\202111130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 01-Dec-2021 10:42:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							
1	0.340	0.340	0.000	7624999	2507.0	2295.9	M
2	0.717	0.720	-0.003	17813820	2507.0	2582.5	
RPD = 11.75							
2 Ethanol							
1	0.440	0.440	0.000	10923958	2501.0	2363.7	M
2	1.643	1.653	-0.010	26839625	2501.0	2539.1	M
RPD = 7.15							
3 Isopropyl alcohol							
1	0.543	0.543	0.000	10599998	2505.0	2421.7	M
2	2.937	2.947	-0.010	29132924	2505.0	2517.9	M
RPD = 3.90							
4 Propanol							
1	0.727	0.730	-0.003	18257813	2534.8	2540.2	M
2	3.503	3.523	-0.020	14175450	2534.8	2020.4	M
RPD = 22.79							
\$ 5 Acetone							
1	0.967	0.967	0.000	8688020	2504.0	2317.9	M
2	2.620	2.623	-0.003	23872117	2504.0	2366.8	M
RPD = 2.09							
6 Isobutyl alcohol							
1	1.117	1.113	0.003	17030210	2572.1	2595.8	M
7 n-Butanol							
1	1.390	1.390	0.000	13760418	2584.5	2477.3	Ma

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Report Date: 01-Dec-2021 11:29:55

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0021.D

Injection Date: 30-Nov-2021 16:37:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: LCS 410-199643/2-A

Worklist Smp#: 21

Client ID:

Purge Vol: 1.000 uL

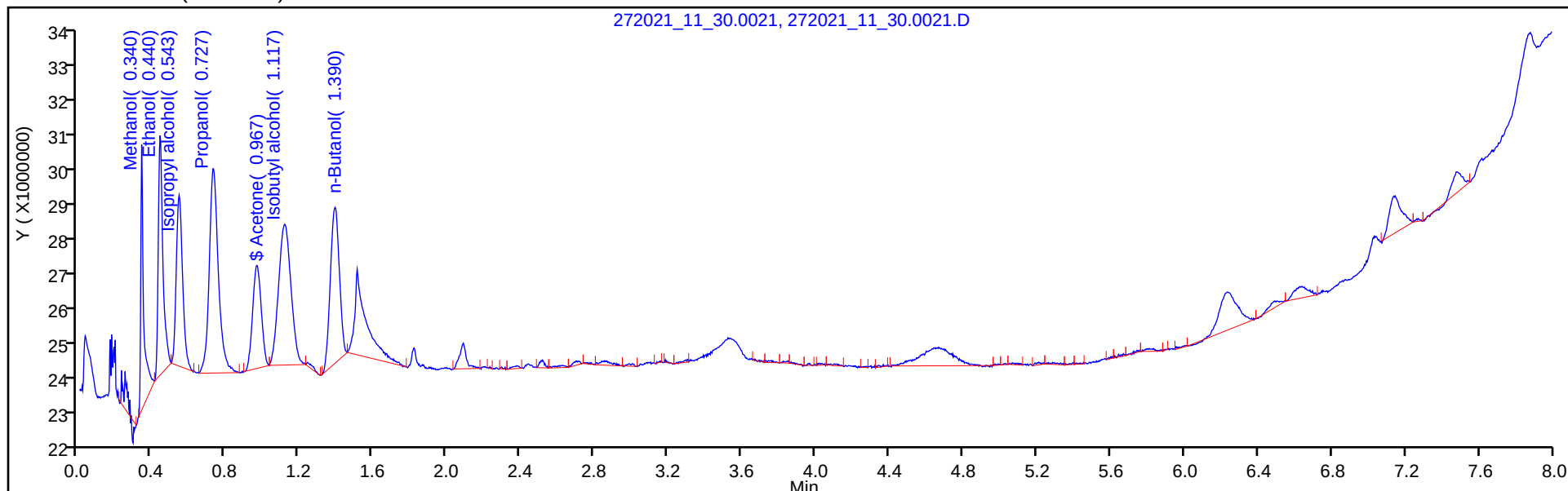
Dil. Factor: 1.0000

ALS Bottle#: 0

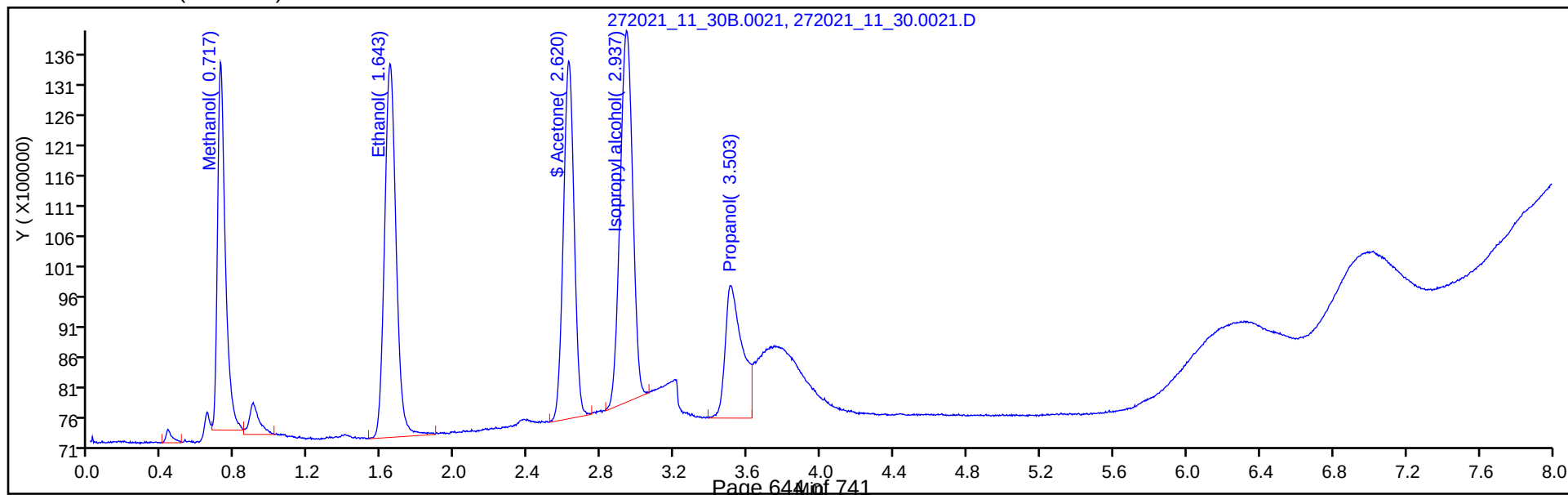
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

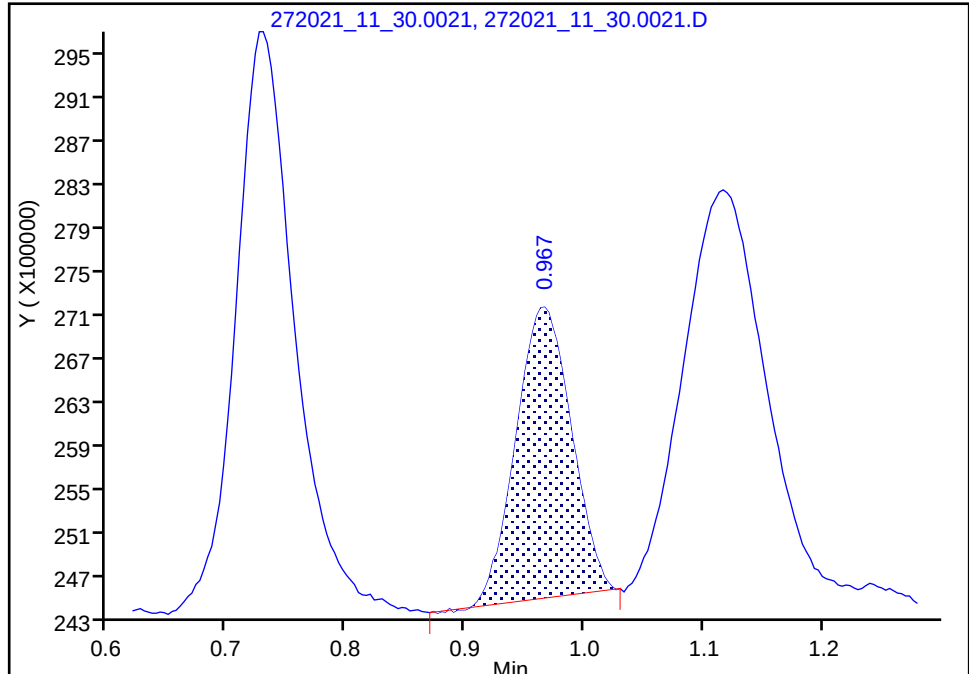
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0021.D
Injection Date: 30-Nov-2021 16:37:00 Instrument ID: 2739
Lims ID: LCS 410-199643/2-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

\$ 5 Acetone, CAS: 67-64-1

Signal: 1

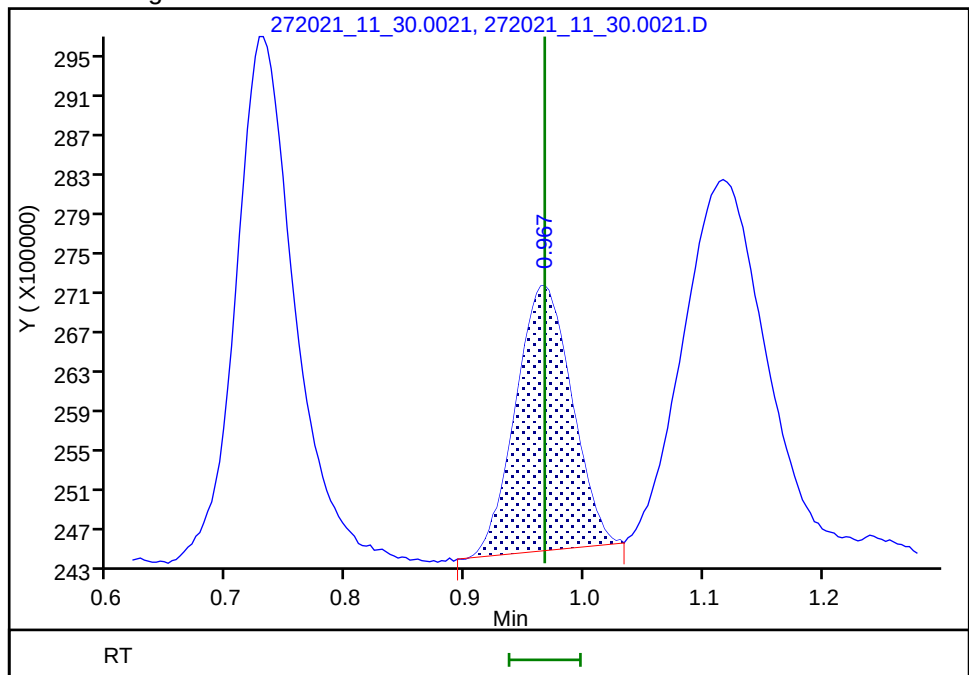
RT: 0.97
Area: 8509375
Amount: 2270.2369
Amount Units: ug/l

Processing Integration Results



RT: 0.97
Area: 8688020
Amount: 2317.8980
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 10:42:11

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

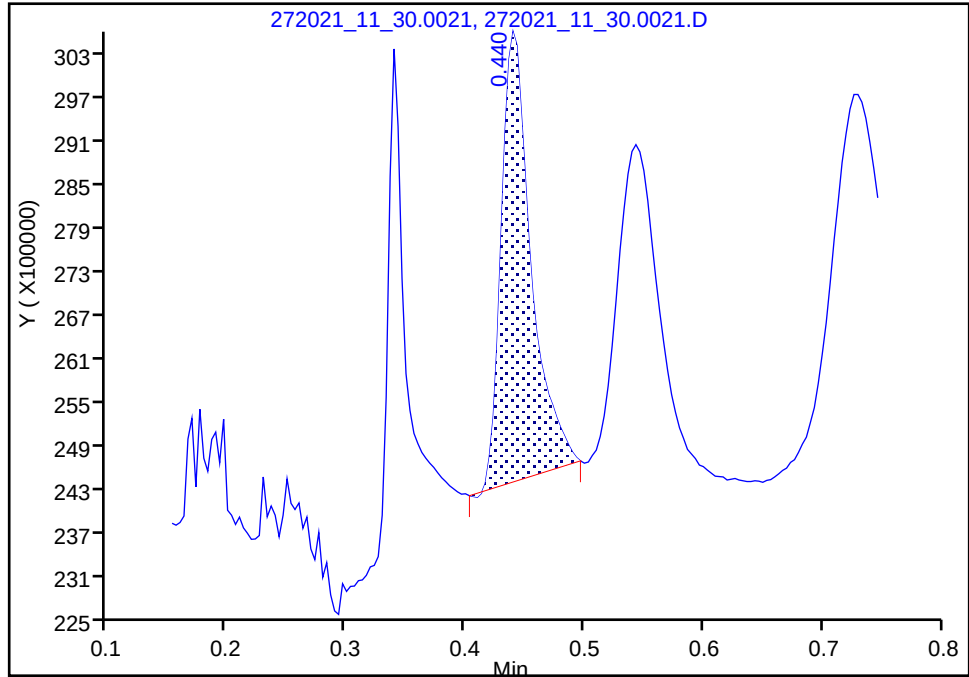
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0021.D
Injection Date: 30-Nov-2021 16:37:00 Instrument ID: 2739
Lims ID: LCS 410-199643/2-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

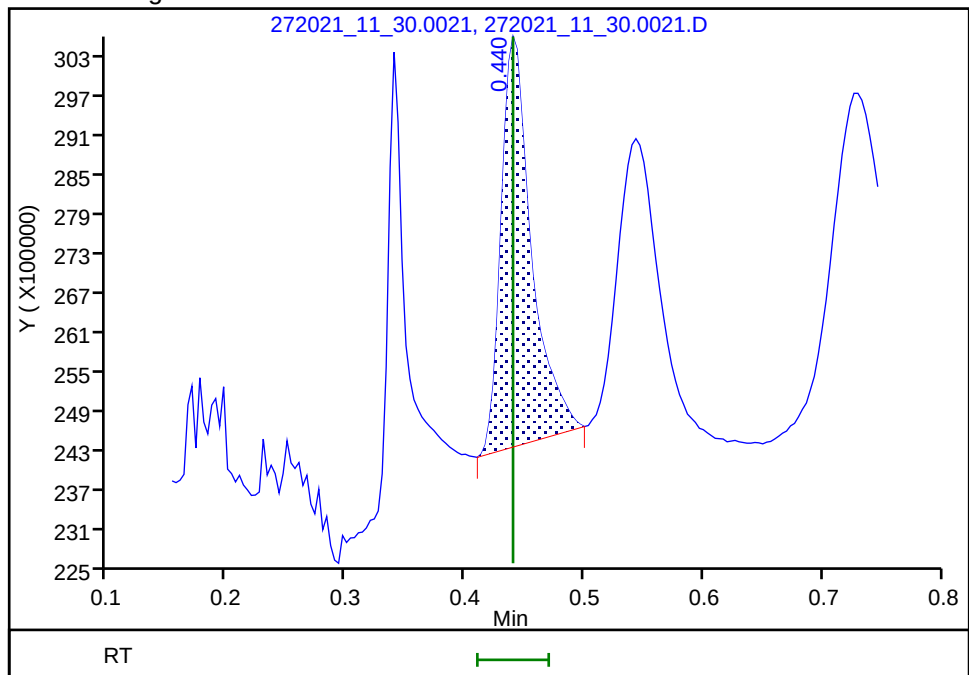
RT: 0.44
Area: 10640105
Amount: 2302.2975
Amount Units: ug/l

Processing Integration Results



RT: 0.44
Area: 10923958
Amount: 2363.7174
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 10:41:50

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

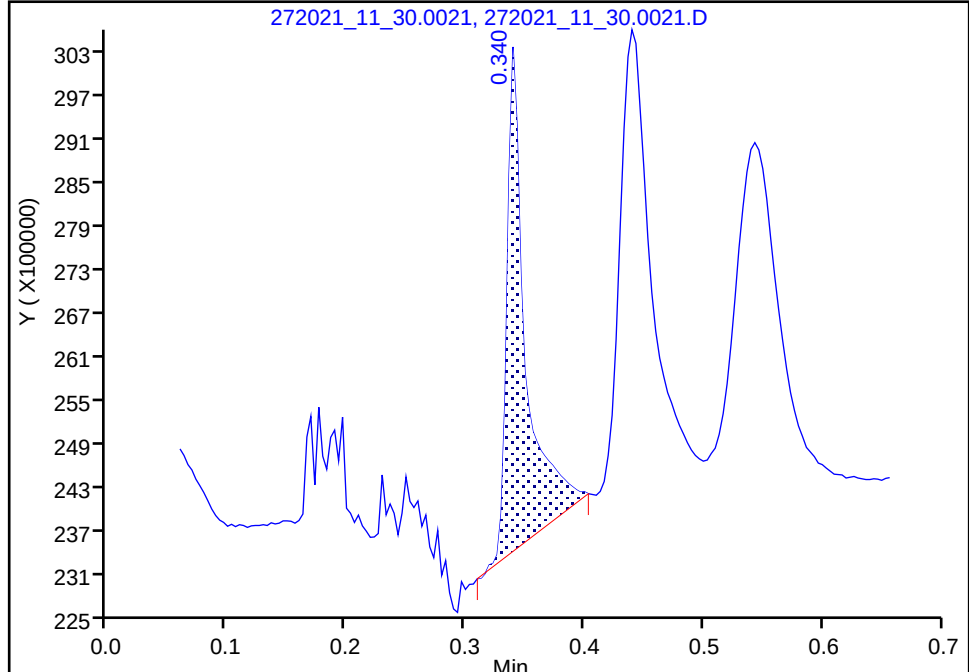
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0021.D
Injection Date: 30-Nov-2021 16:37:00 Instrument ID: 2739
Lims ID: LCS 410-199643/2-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

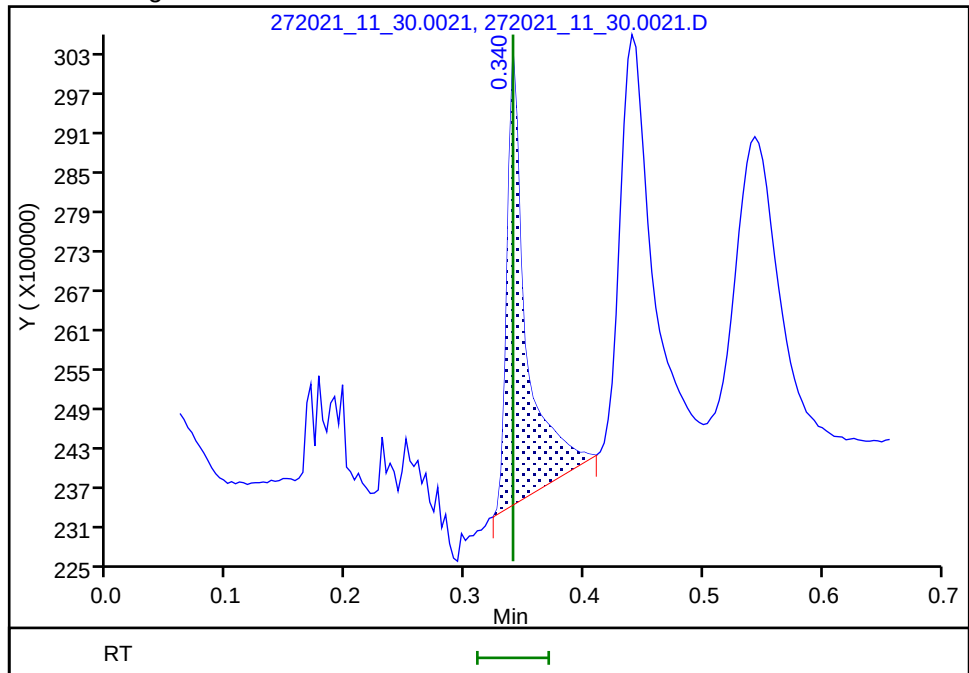
RT: 0.34
Area: 7497919
Amount: 2257.6421
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 7624999
Amount: 2295.9062
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 10:41:55
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 647 of 741

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 410-199643/2-A
 Matrix: Water Lab File ID: 272021_11_30.0021.D
 Analysis Method: 8015D Date Collected: _____
 Sample wt/vol: 1(mL) Date Analyzed: 11/30/2021 16:37
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: SP1000 ID: _____
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 199563 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
64-17-5	Ethanol	2540		1000	150
67-56-1	Methanol	2580		1000	220

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	95		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\202111130-45155.b\272021_11_30.0021.D
 Lims ID: LCS 410-199643/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 30-Nov-2021 16:37:00 ALS Bottle#: 0 Worklist Smp#: 21
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: LCS 410-199643/2-A
 Misc. Info.: 410-0045155-021
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\202111130-45155.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 01-Dec-2021 11:28:44 Calib Date: 30-Nov-2021 13:10:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\202111130-45155.b\272021_11_30.0010.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 01-Dec-2021 10:42:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							
1	0.340	0.340	0.000	7624999	2507.0	2295.9	M
2	0.717	0.720	-0.003	17813820	2507.0	2582.5	
RPD = 11.75							
2 Ethanol							
1	0.440	0.440	0.000	10923958	2501.0	2363.7	M
2	1.643	1.653	-0.010	26839625	2501.0	2539.1	M
RPD = 7.15							
3 Isopropyl alcohol							
1	0.543	0.543	0.000	10599998	2505.0	2421.7	M
2	2.937	2.947	-0.010	29132924	2505.0	2517.9	M
RPD = 3.90							
4 Propanol							
1	0.727	0.730	-0.003	18257813	2534.8	2540.2	M
2	3.503	3.523	-0.020	14175450	2534.8	2020.4	M
RPD = 22.79							
\$ 5 Acetone							
1	0.967	0.967	0.000	8688020	2504.0	2317.9	M
2	2.620	2.623	-0.003	23872117	2504.0	2366.8	M
RPD = 2.09							
6 Isobutyl alcohol							
1	1.117	1.113	0.003	17030210	2572.1	2595.8	M
7 n-Butanol							
1	1.390	1.390	0.000	13760418	2584.5	2477.3	Ma

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Report Date: 01-Dec-2021 11:29:55

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0021.D

Injection Date: 30-Nov-2021 16:37:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: LCS 410-199643/2-A

Worklist Smp#: 21

Client ID:

Purge Vol: 1.000 uL

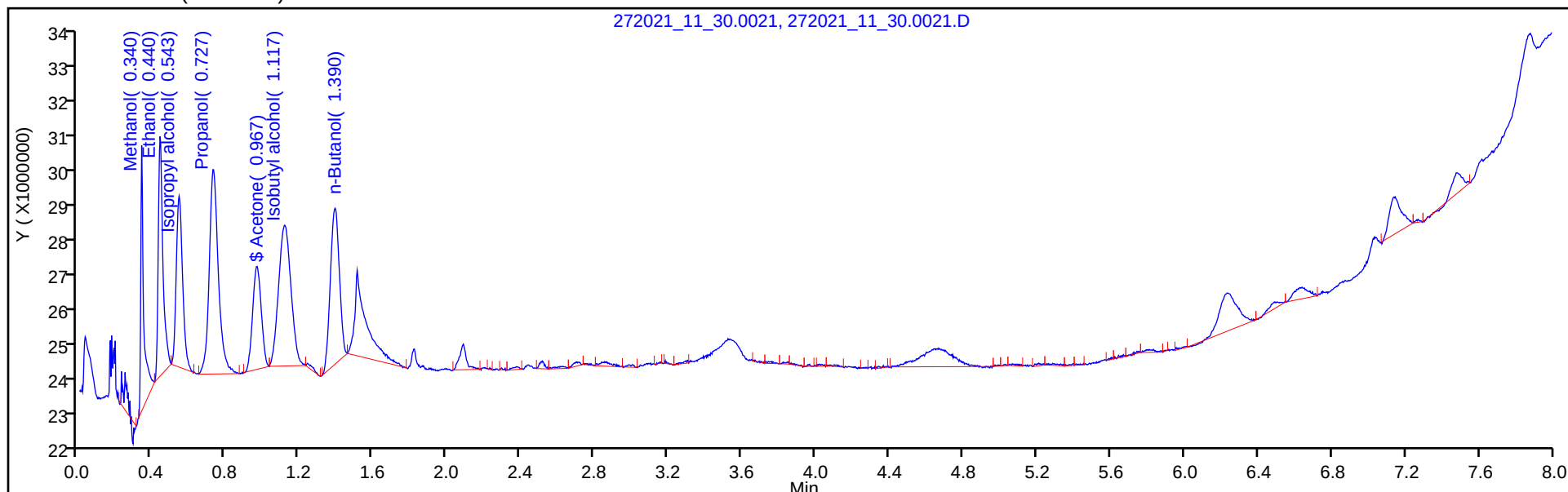
Dil. Factor: 1.0000

ALS Bottle#: 0

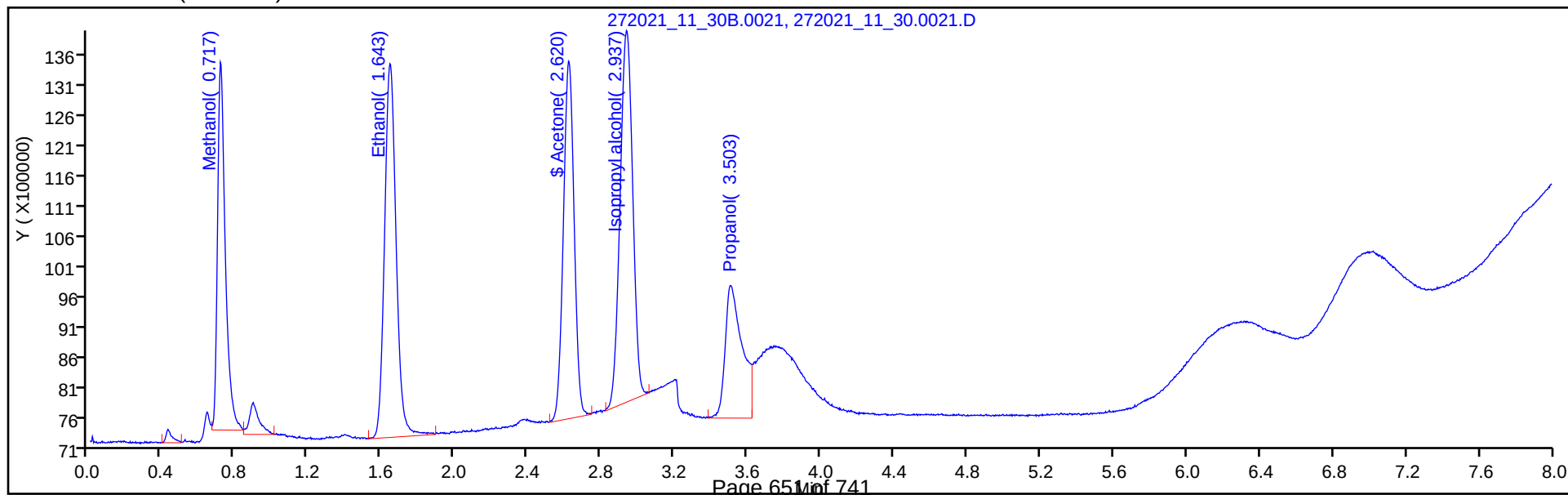
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

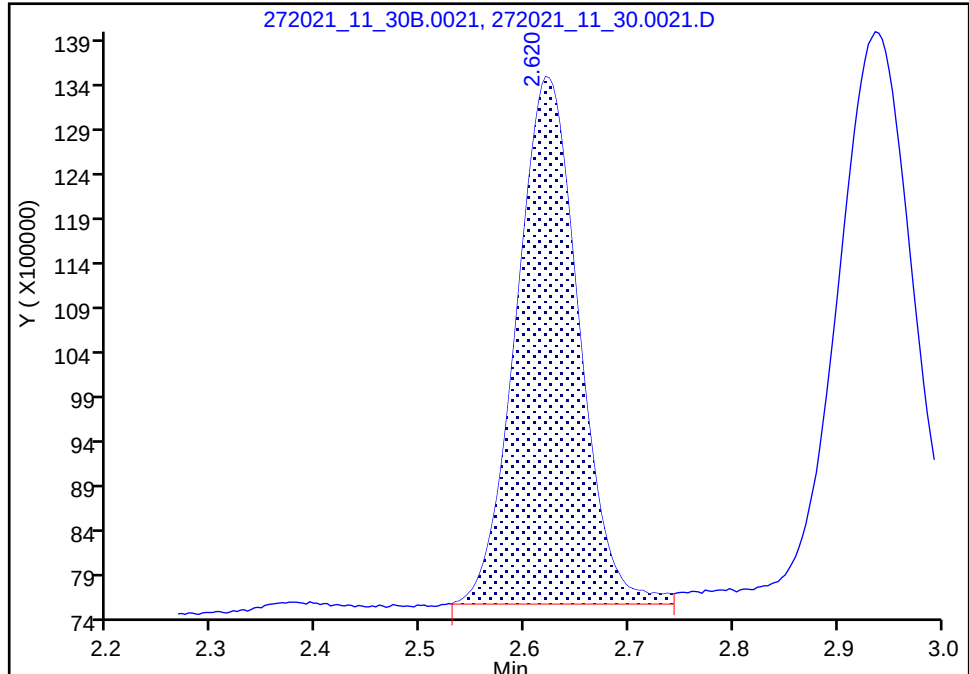
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0021.D
Injection Date: 30-Nov-2021 16:37:00 Instrument ID: 2739
Lims ID: LCS 410-199643/2-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

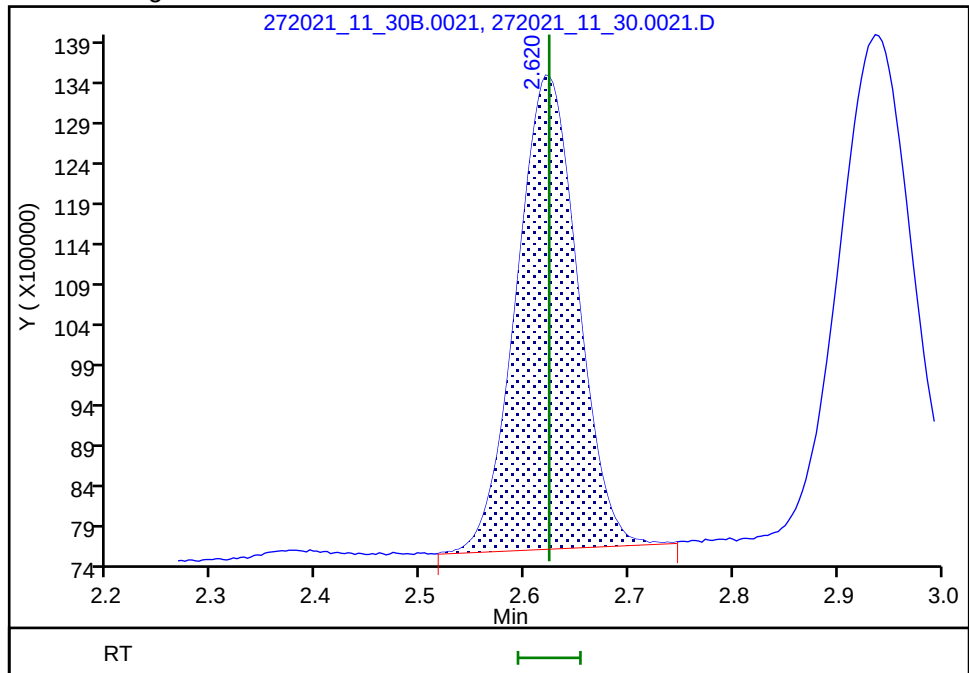
RT: 2.62
Area: 24388546
Amount: 2417.9764
Amount Units: ug/l

Processing Integration Results



RT: 2.62
Area: 23872117
Amount: 2366.7756
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 10:42:32

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

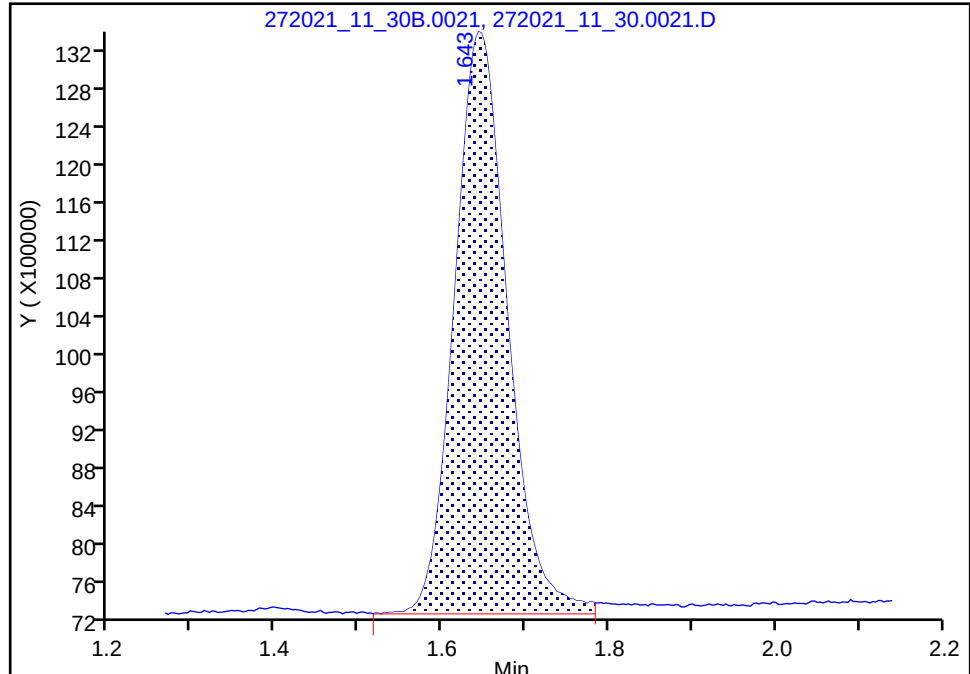
Data File: \\chromfs\Lancaster\ChromData\2739\20211130-45155.b\272021_11_30.0021.D
Injection Date: 30-Nov-2021 16:37:00 Instrument ID: 2739
Lims ID: LCS 410-199643/2-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

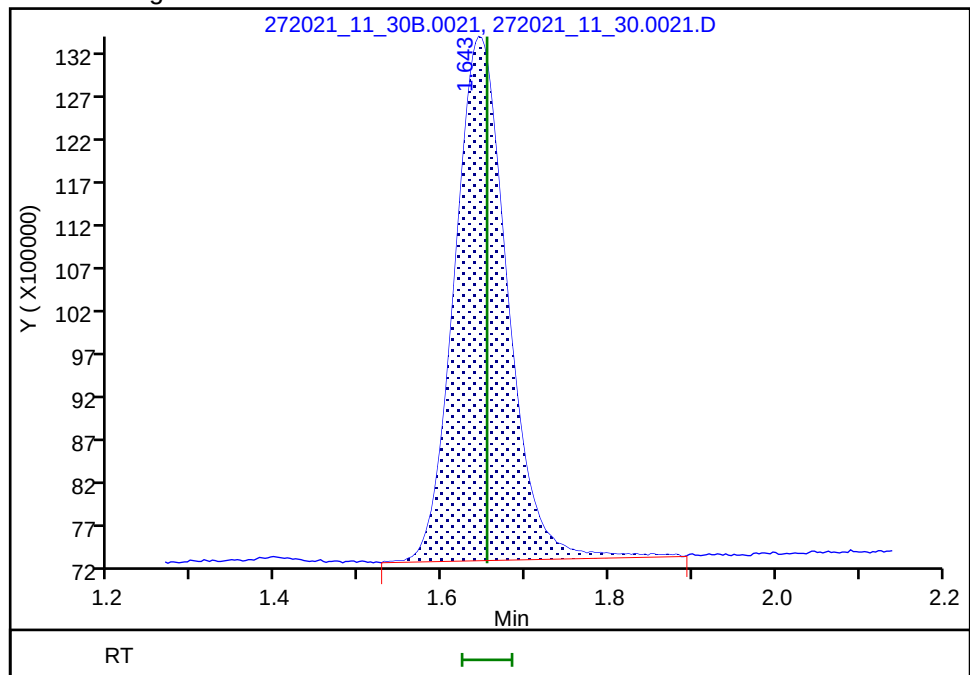
RT: 1.64
Area: 27020838
Amount: 2556.2315
Amount Units: ug/l

Processing Integration Results



RT: 1.64
Area: 26839625
Amount: 2539.0884
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 01-Dec-2021 10:42:38

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 410-200611/2-A
Matrix: Water Lab File ID: 272021_12_3.0019.D
Analysis Method: 8015D Date Collected: _____
Sample wt/vol: 1(mL) Date Analyzed: 12/03/2021 16:37
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX200 ID: _____
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 201167 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	91		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0019.D
 Lims ID: LCS 410-200611/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 03-Dec-2021 16:37:00 ALS Bottle#: 0 Worklist Smp#: 15
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: LCS 410-200611/2-A
 Misc. Info.: 410-0045468-015
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:49:01 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 07:44:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							
1	0.337	0.337	0.000	7021874	2507.0	2816.5	M
2	0.710	0.723	-0.013	17866663	2507.0	2395.8	
						RPD = 16.14	
2 Ethanol							
1	0.437	0.437	0.000	9317189	2501.0	2523.2	M
2	1.627	1.640	-0.013	26147917	2501.0	2390.5	M
						RPD = 5.40	
3 Isopropyl alcohol							
1	0.540	0.540	0.000	9154168	2505.0	2444.1	
2	2.893	2.900	-0.007	28436461	2505.0	2390.0	M
						RPD = 2.24	
4 Propanol							
1	0.727	0.727	0.000	18675519	2534.8	2166.6	M
2	3.447	3.463	-0.016	32501039	2534.8	2288.7	M
						RPD = 5.48	
\$ 5 Acetone							
1	0.957	0.960	-0.003	7278125	2504.0	2291.2	M
2	2.583	2.587	-0.004	20866667	2504.0	2099.5	M
						RPD = 8.73	
6 Isobutyl alcohol							
1	1.110	1.110	0.000	14766667	2572.1	2280.8	Ma
7 n-Butanol							
1	1.380	1.383	-0.003	11854167	2584.5	2240.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Report Date: 04-Dec-2021 07:49:14

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Euofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0019.D

Injection Date: 03-Dec-2021 16:37:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: LCS 410-200611/2-A

Worklist Smp#:

15

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

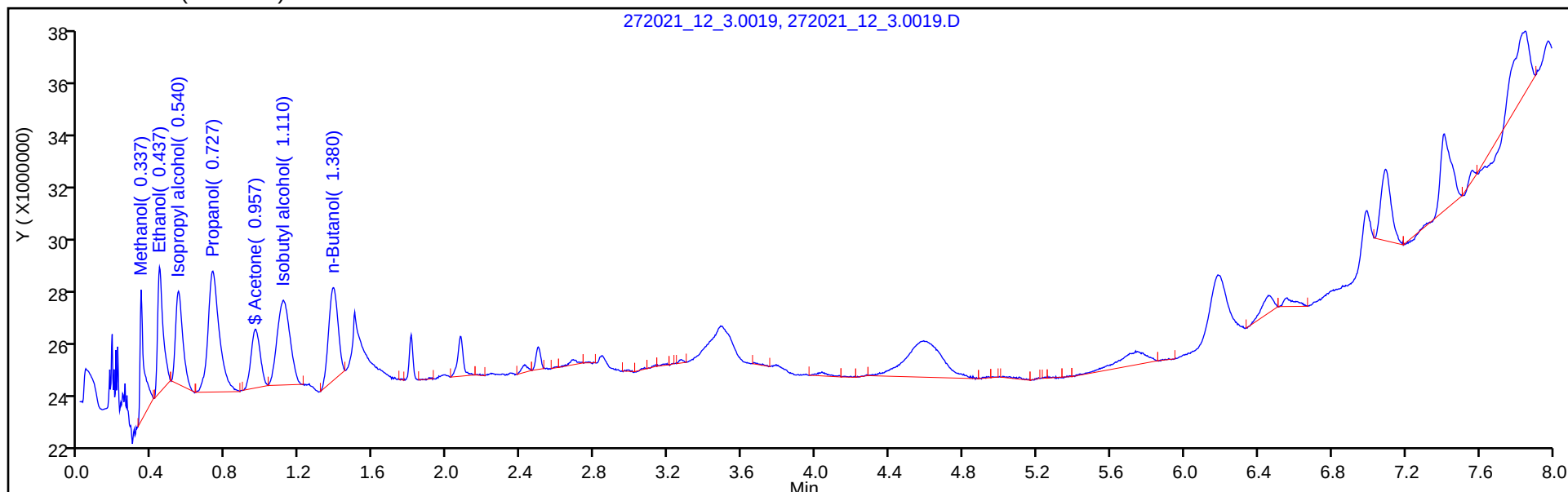
ALS Bottle#:

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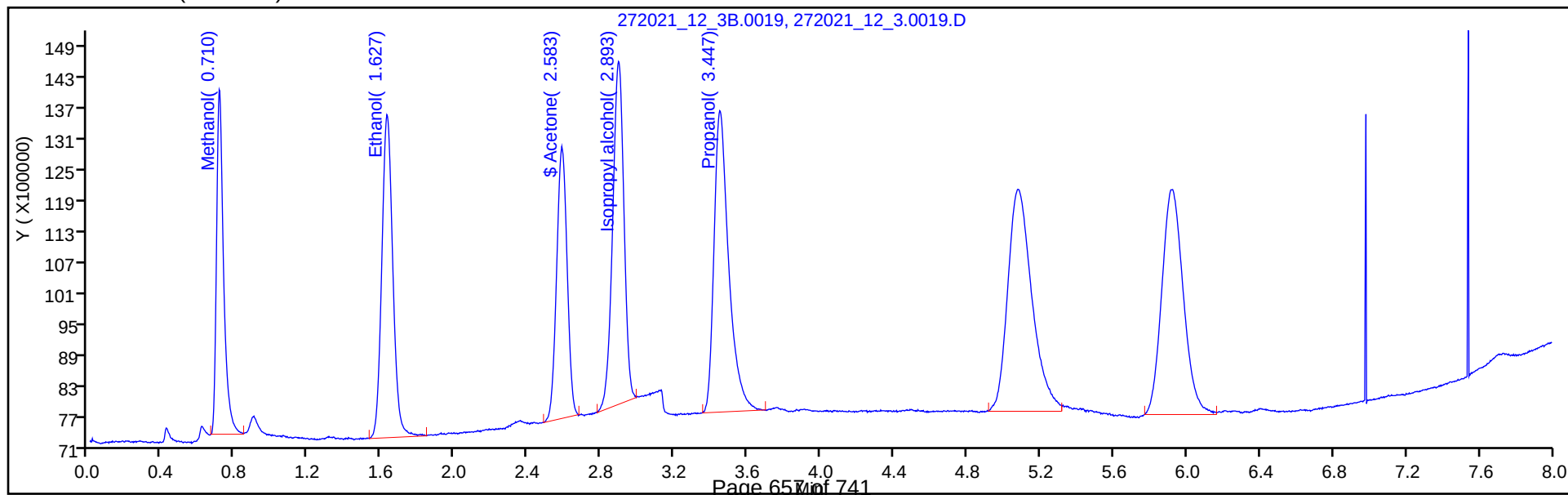
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

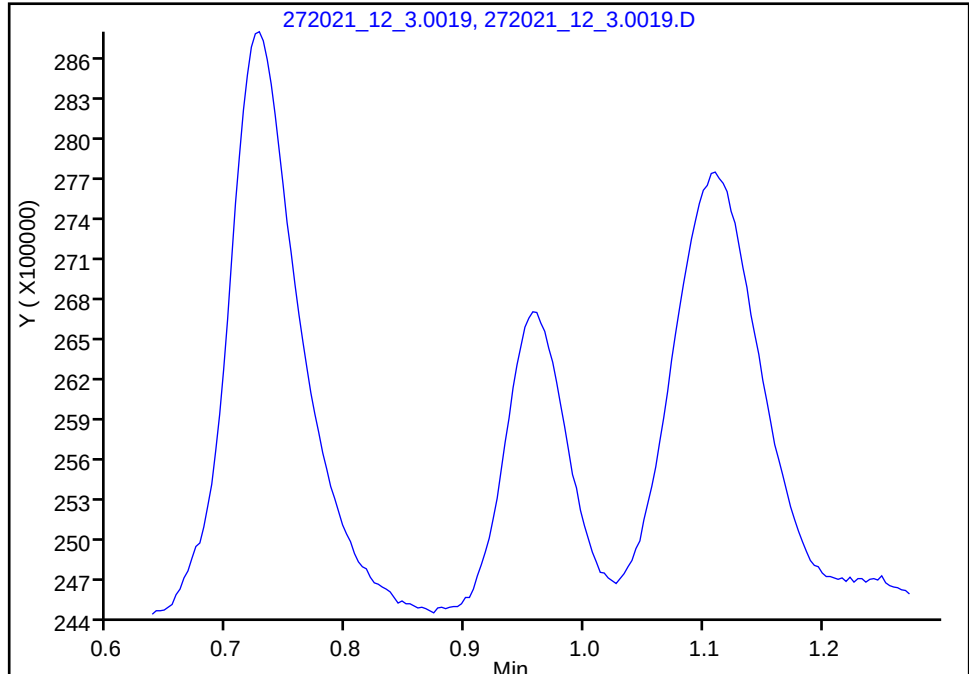
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0019.D
Injection Date: 03-Dec-2021 16:37:00 Instrument ID: 2739
Lims ID: LCS 410-200611/2-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector 0FIDA

\$ 5 Acetone, CAS: 67-64-1

Signal: 1

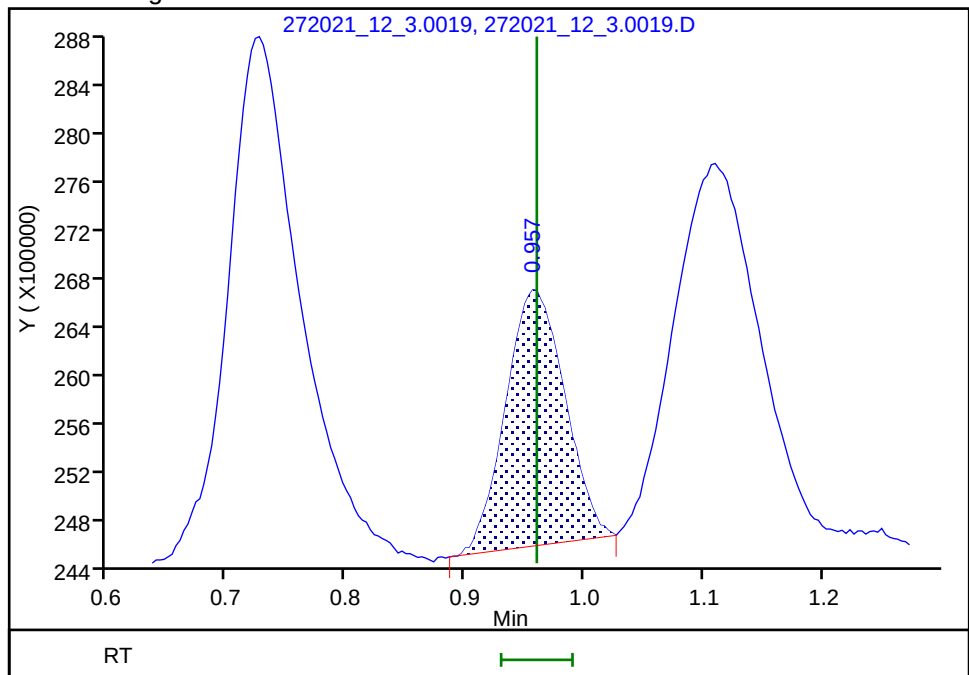
Not Detected
Expected RT: 0.96

Processing Integration Results



RT: 0.96
Area: 7278125
Amount: 2291.1531
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:43:45

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

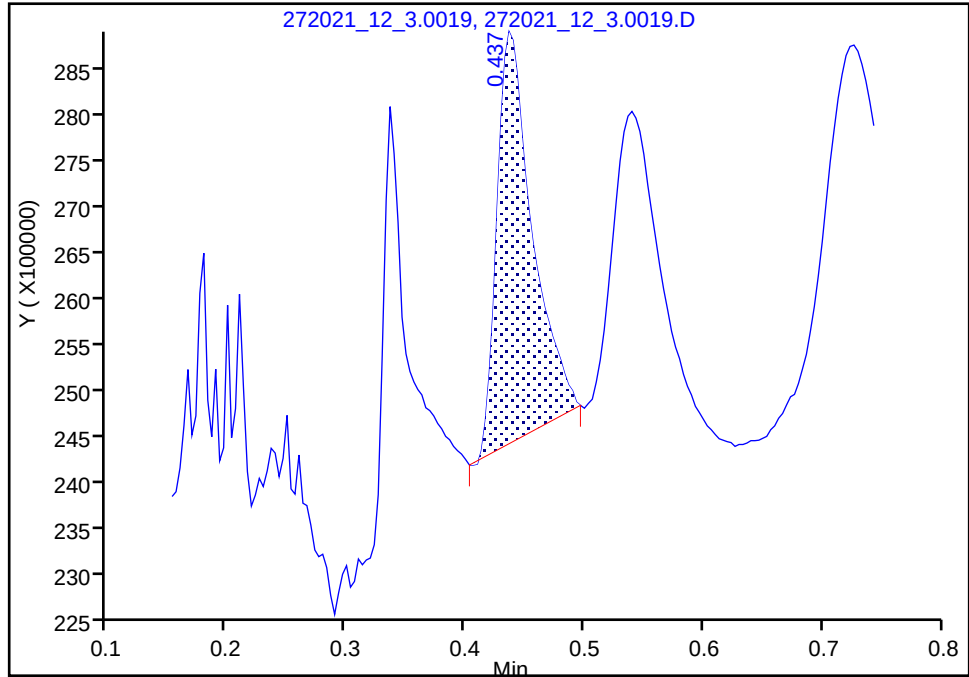
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0019.D
Injection Date: 03-Dec-2021 16:37:00 Instrument ID: 2739
Lims ID: LCS 410-200611/2-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

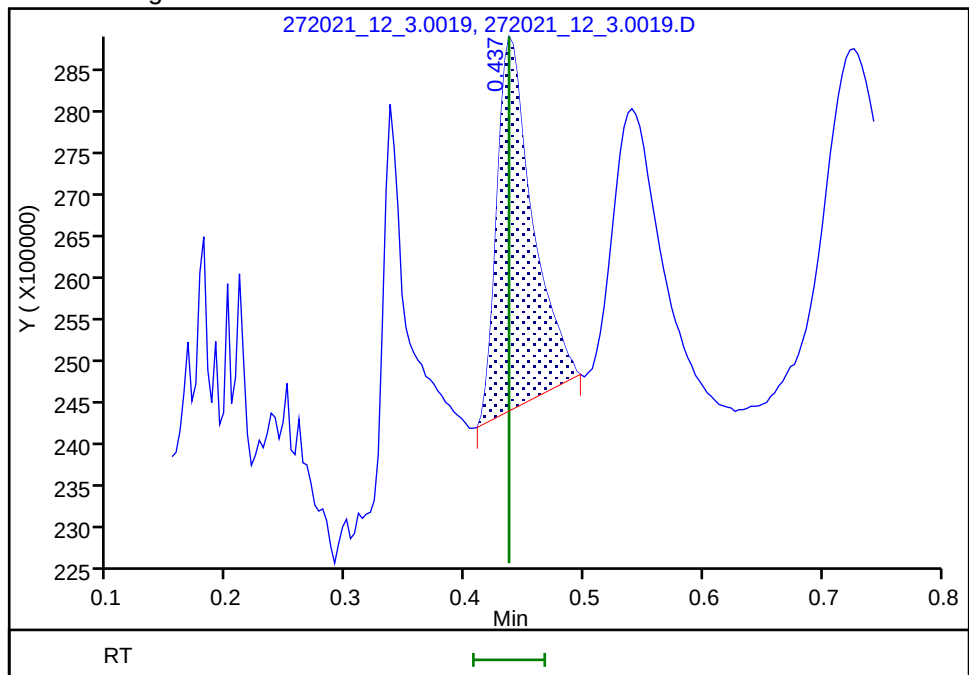
RT: 0.44
Area: 9215104
Amount: 2495.5235
Amount Units: ug/l

Processing Integration Results



RT: 0.44
Area: 9317189
Amount: 2523.1689
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:44:01
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 659 of 741

Eurofins Lancaster Laboratories Env, LLC

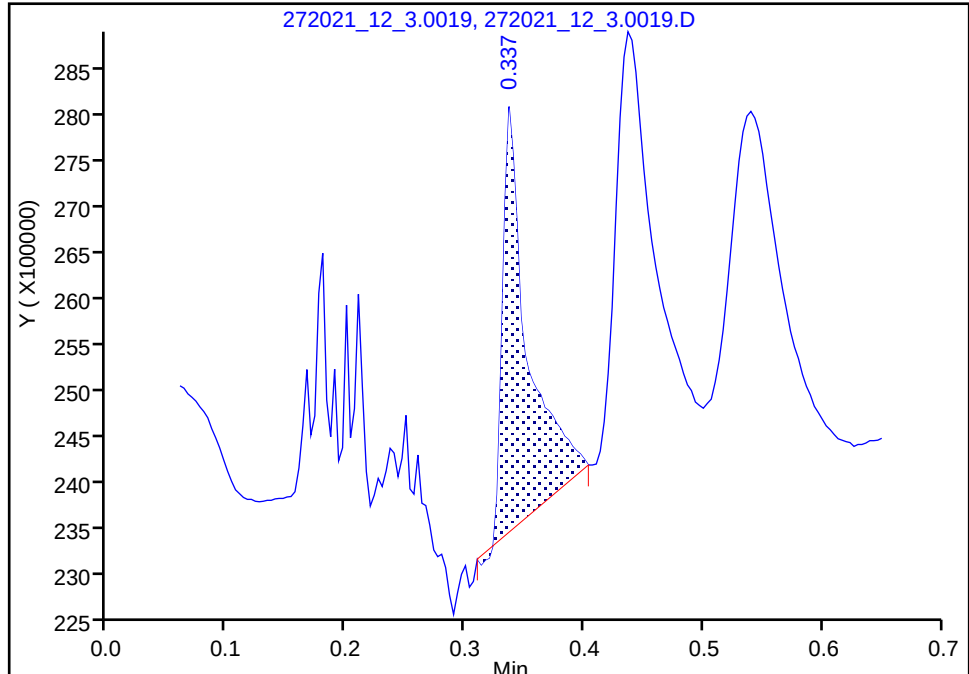
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0019.D
Injection Date: 03-Dec-2021 16:37:00 Instrument ID: 2739
Lims ID: LCS 410-200611/2-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

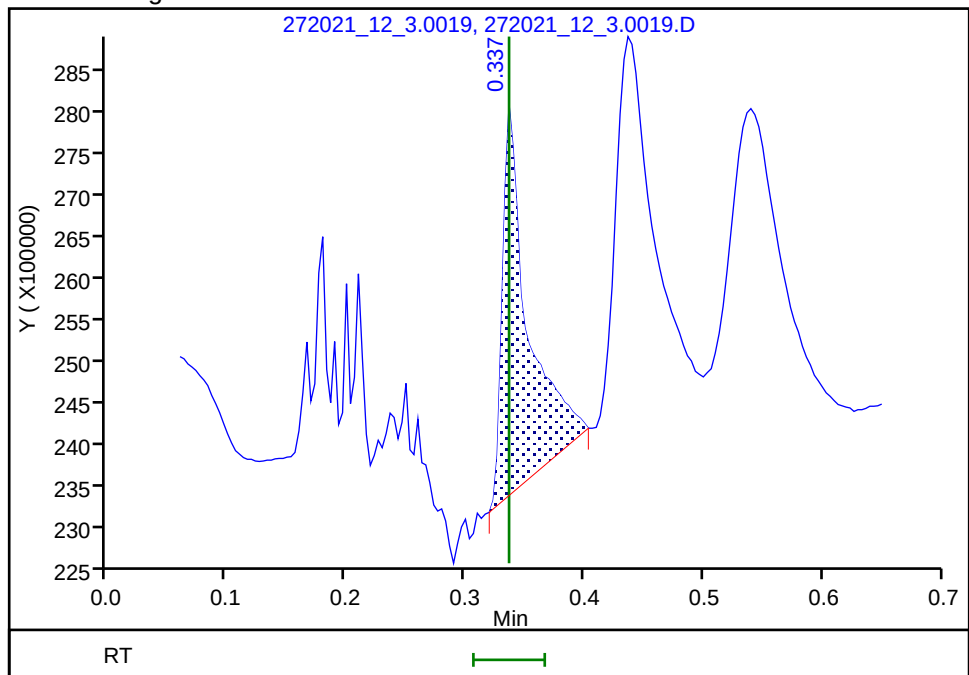
RT: 0.34
Area: 6726562
Amount: 2698.0253
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 7021874
Amount: 2816.4750
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:44:05

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 410-200611/2-A
 Matrix: Water Lab File ID: 272021_12_3.0019.D
 Analysis Method: 8015D Date Collected: _____
 Sample wt/vol: 1(mL) Date Analyzed: 12/03/2021 16:37
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: SP1000 ID: _____
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 201167 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
64-17-5	Ethanol	2390		1000	150
67-56-1	Methanol	2400		1000	220

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	84		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0019.D
 Lims ID: LCS 410-200611/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 03-Dec-2021 16:37:00 ALS Bottle#: 0 Worklist Smp#: 15
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: LCS 410-200611/2-A
 Misc. Info.: 410-0045468-015
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 07:49:01 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 07:44:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							M
1	0.337	0.337	0.000	7021874	2507.0	2816.5	M
2	0.710	0.723	-0.013	17866663	2507.0	2395.8	
RPD = 16.14							
2 Ethanol							M
1	0.437	0.437	0.000	9317189	2501.0	2523.2	M
2	1.627	1.640	-0.013	26147917	2501.0	2390.5	M
RPD = 5.40							
3 Isopropyl alcohol							M
1	0.540	0.540	0.000	9154168	2505.0	2444.1	
2	2.893	2.900	-0.007	28436461	2505.0	2390.0	M
RPD = 2.24							
4 Propanol							M
1	0.727	0.727	0.000	18675519	2534.8	2166.6	M
2	3.447	3.463	-0.016	32501039	2534.8	2288.7	M
RPD = 5.48							
\$ 5 Acetone							Ma
1	0.957	0.960	-0.003	7278125	2504.0	2291.2	M
2	2.583	2.587	-0.004	20866667	2504.0	2099.5	M
RPD = 8.73							
6 Isobutyl alcohol							Ma
1	1.110	1.110	0.000	14766667	2572.1	2280.8	M
7 n-Butanol							
1	1.380	1.383	-0.003	11854167	2584.5	2240.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Report Date: 04-Dec-2021 07:49:14

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Euofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0019.D

Injection Date: 03-Dec-2021 16:37:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: LCS 410-200611/2-A

Worklist Smp#: 15

Client ID:

Purge Vol: 1.000 uL

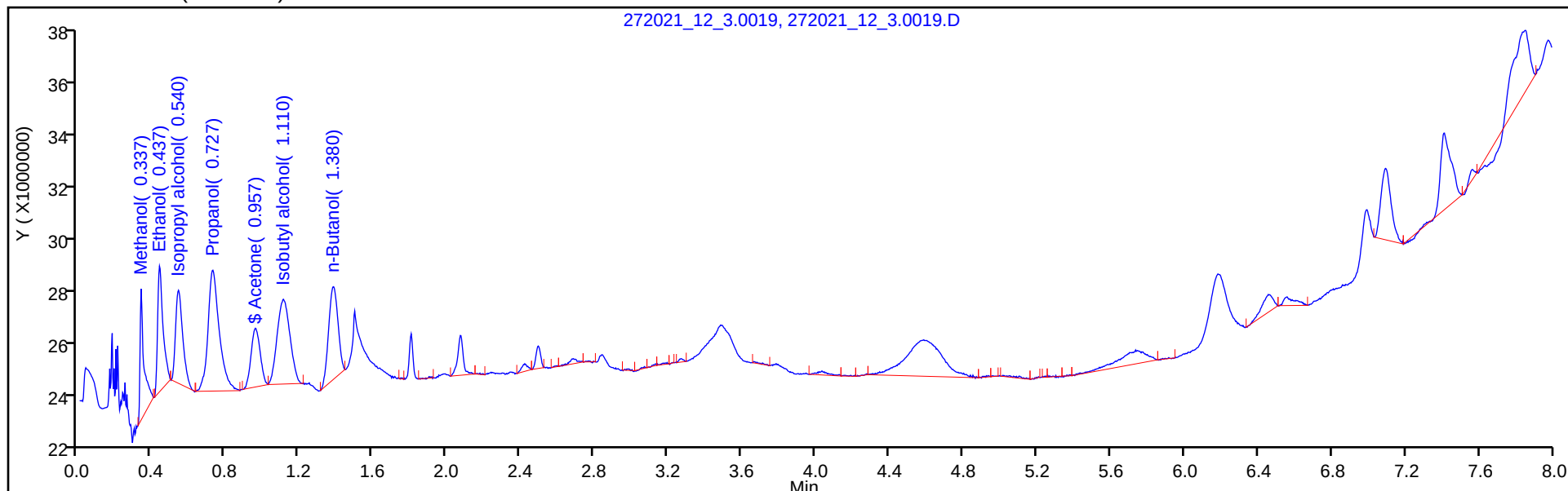
Dil. Factor: 1.0000

ALS Bottle#: 0

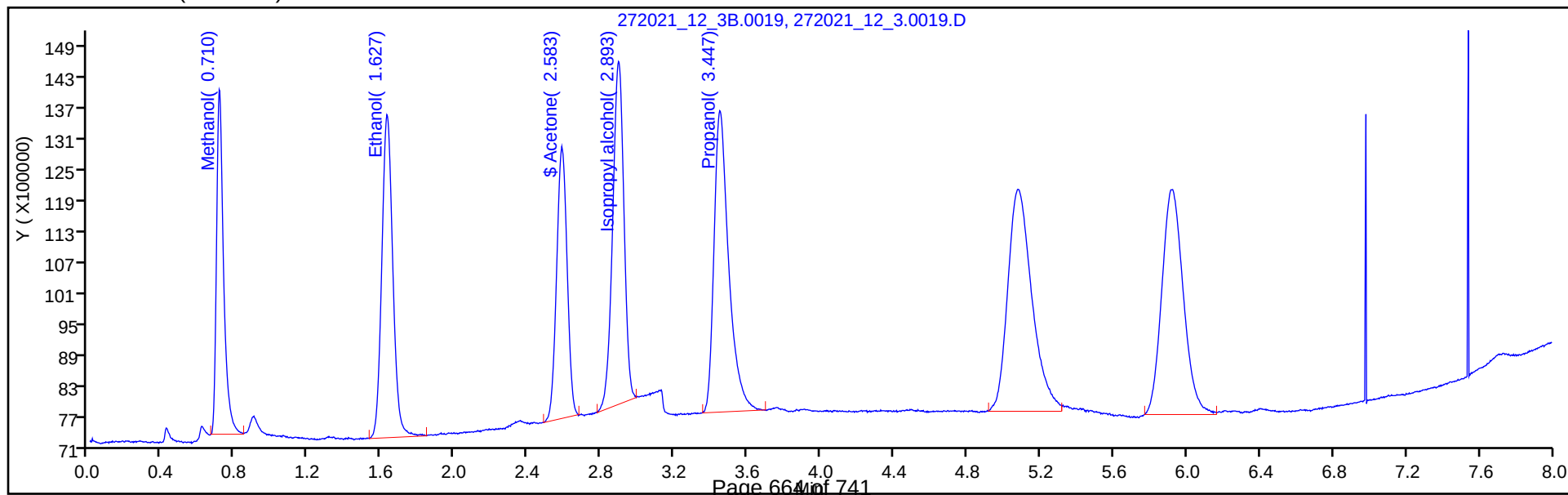
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0019.D

Injection Date: 03-Dec-2021 16:37:00

Instrument ID: 2739

Lims ID: LCS 410-200611/2-A

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 15

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: SP1000 (0.00 mm)

Detector 1FIDB

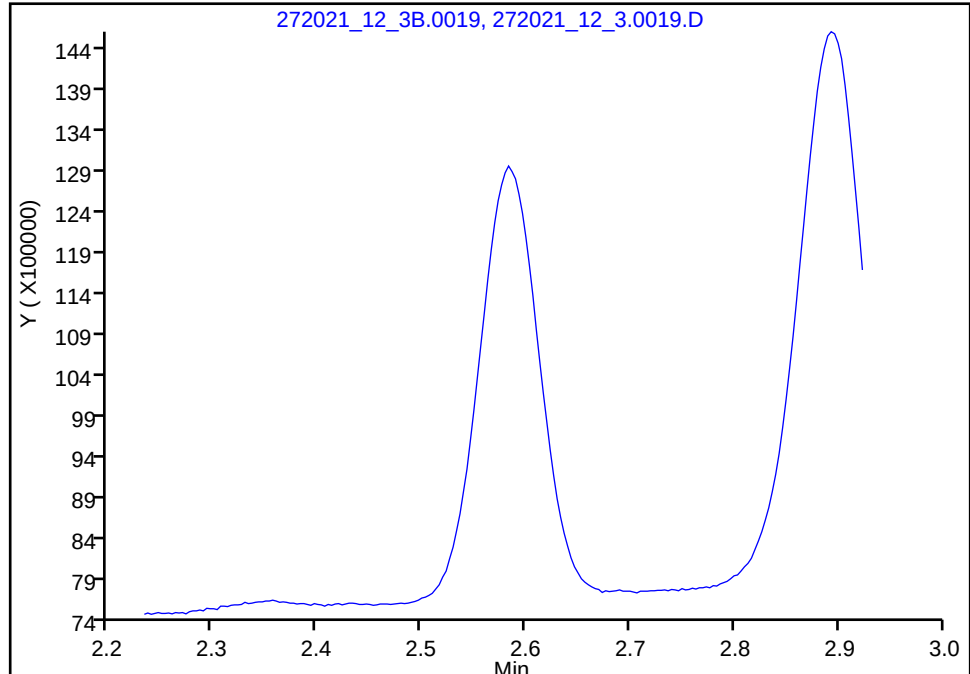
\$ 5 Acetone, CAS: 67-64-1

Signal: 2

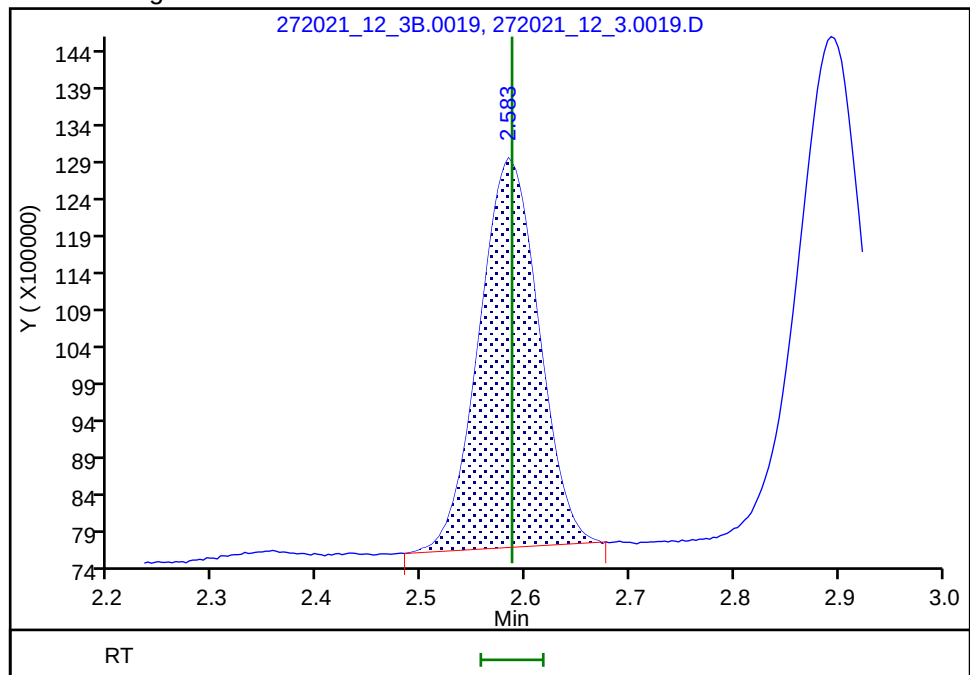
Not Detected

Expected RT: 2.59

Processing Integration Results



Manual Integration Results



RT: 2.58

Area: 20866667

Amount: 2099.5463

Amount Units: ug/l

Reviewer: kennedyj, 04-Dec-2021 07:44:27

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

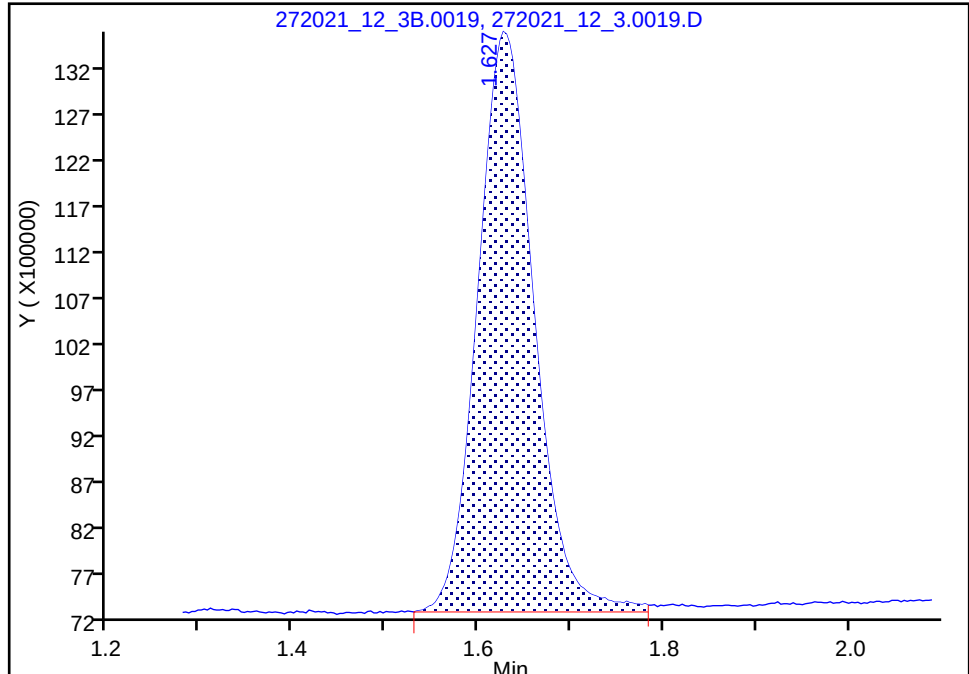
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0019.D
Injection Date: 03-Dec-2021 16:37:00 Instrument ID: 2739
Lims ID: LCS 410-200611/2-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

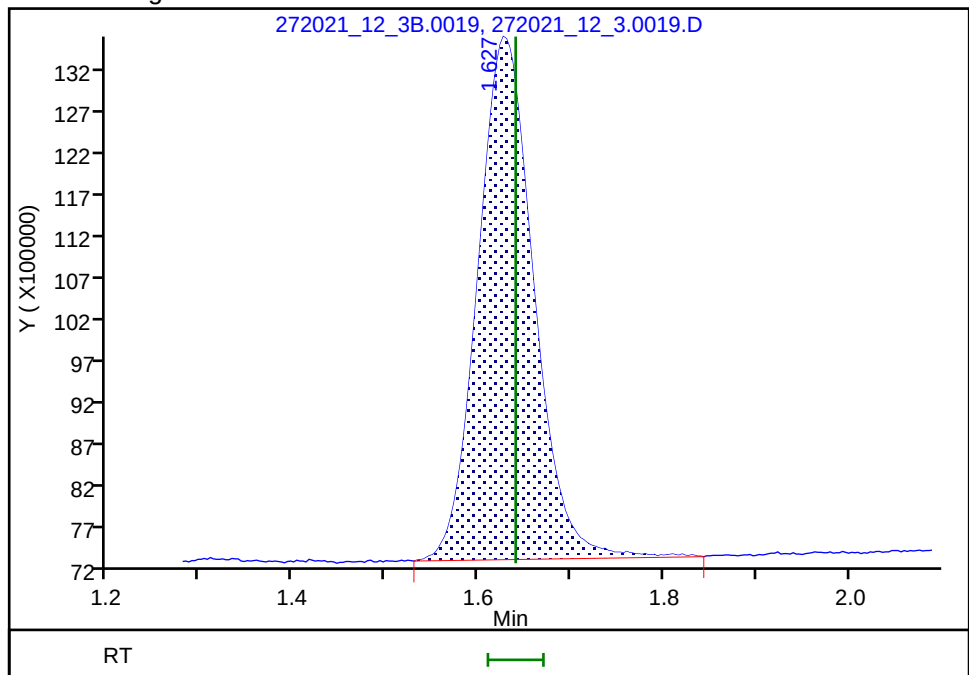
RT: 1.63
Area: 26393756
Amount: 2412.9262
Amount Units: ug/l

Processing Integration Results



RT: 1.63
Area: 26147917
Amount: 2390.4515
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:44:41
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 666 of 741

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 410-200611/3-A
Matrix: Water Lab File ID: 272021_12_3.0020.D
Analysis Method: 8015D Date Collected: _____
Sample wt/vol: 1(mL) Date Analyzed: 12/03/2021 16:56
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX200 ID: _____
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 201167 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	93		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0020.D
 Lims ID: LCSD 410-200611/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 03-Dec-2021 16:56:00 ALS Bottle#: 0 Worklist Smp#: 16
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: LCSD 410-200611/3-A
 Misc. Info.: 410-0045468-016
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 08:09:37 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 08:10:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							M
1	0.337	0.337	0.000	7997916	2507.0	3208.0	M
2	0.710	0.723	-0.013	19771308	2507.0	2651.2	
RPD = 19.00							
2 Ethanol							Ma
1	0.433	0.437	-0.004	12216666	2501.0	3308.4	M
2	1.627	1.640	-0.013	28458341	2501.0	2601.7	M
RPD = 23.92							
3 Isopropyl alcohol							Ma
1	0.537	0.540	-0.003	11577605	2505.0	3091.1	M
2	2.893	2.900	-0.007	31410417	2505.0	2639.9	M
RPD = 15.74							
4 Propanol							M
1	0.720	0.727	-0.007	21453648	2534.8	2657.4	
2	3.447	3.463	-0.016	36412500	2534.8	2564.2	M
RPD = 3.57							
\$ 5 Acetone							Ma
1	0.953	0.960	-0.007	7392185	2504.0	2327.1	M
2	2.583	2.587	-0.004	21233852	2504.0	2136.5	M
RPD = 8.54							
6 Isobutyl alcohol							
1	1.100	1.110	-0.010	17593232	2572.1	2717.4	
7 n-Butanol							Ma
1	1.373	1.383	-0.010	14422397	2584.5	2725.9	Ma

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Report Date: 04-Dec-2021 08:10:09

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0020.D

Injection Date: 03-Dec-2021 16:56:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: LCSD 410-200611/3-A

Worklist Smp#: 16

Client ID:

Purge Vol: 1.000 uL

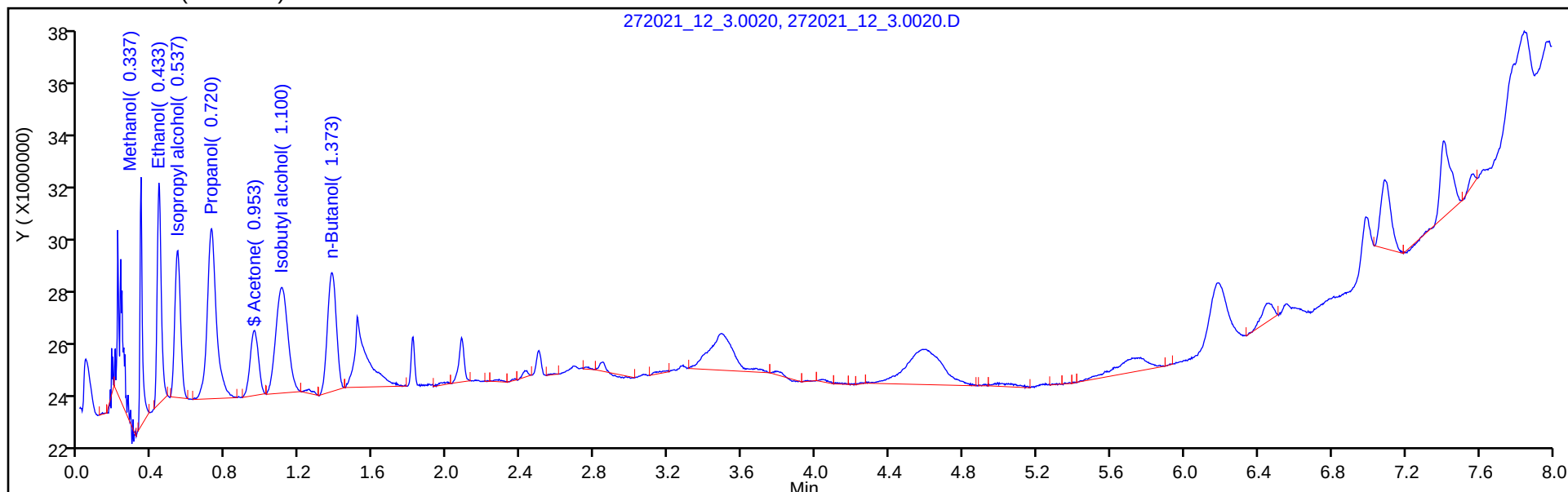
Dil. Factor: 1.0000

ALS Bottle#: 0

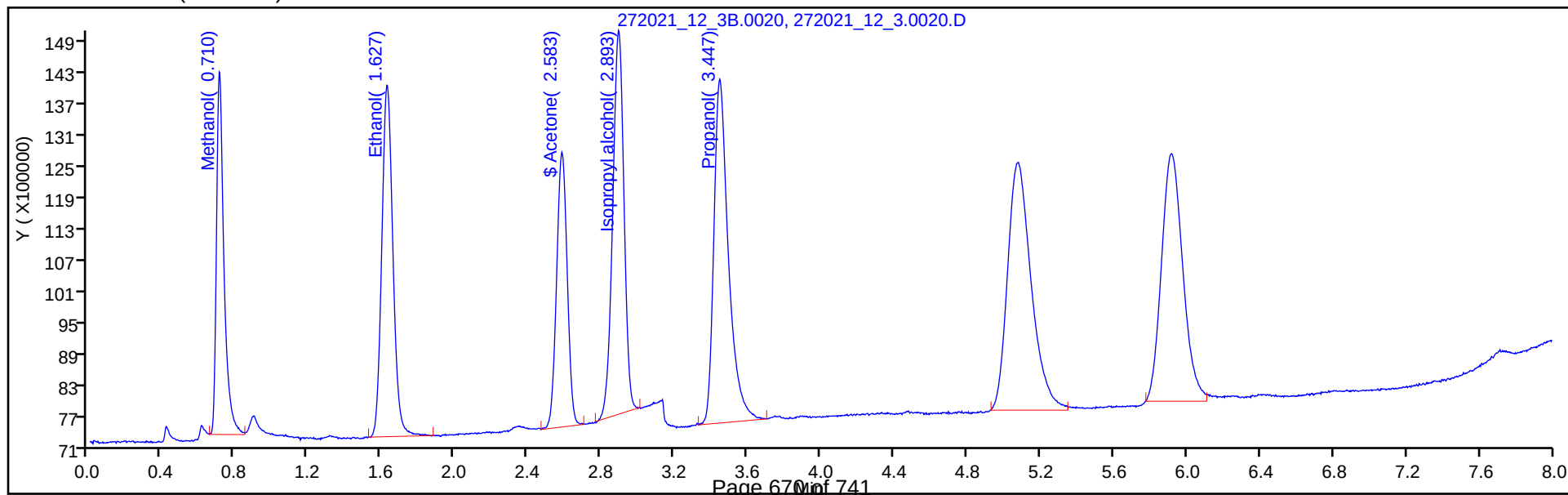
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0020.D

Injection Date: 03-Dec-2021 16:56:00

Instrument ID: 2739

Lims ID: LCSD 410-200611/3-A

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 16

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

Detector: OFIDA

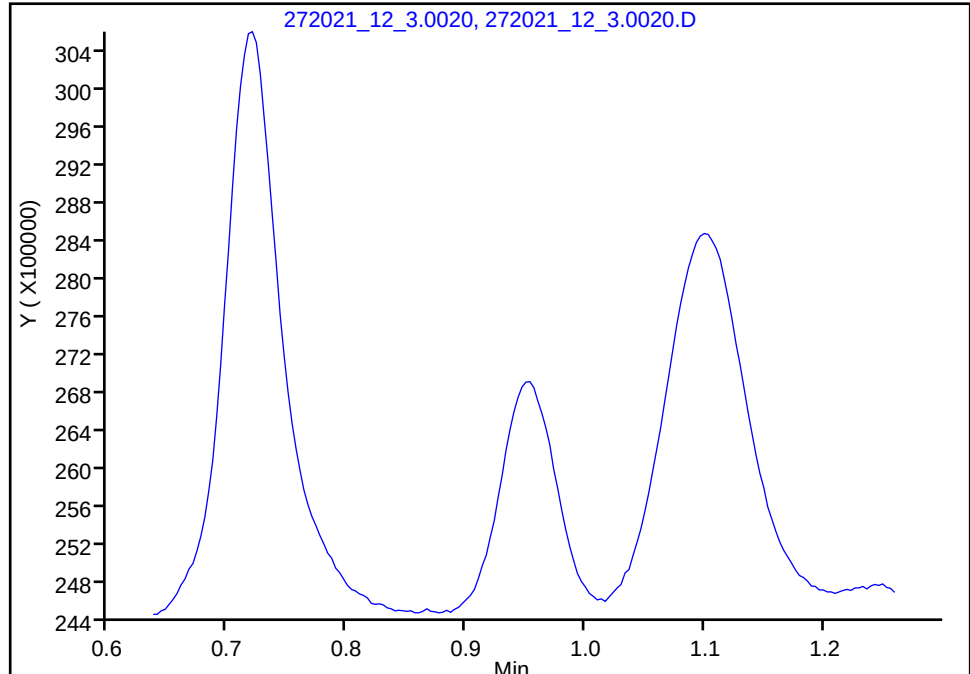
\$ 5 Acetone, CAS: 67-64-1

Signal: 1

Not Detected

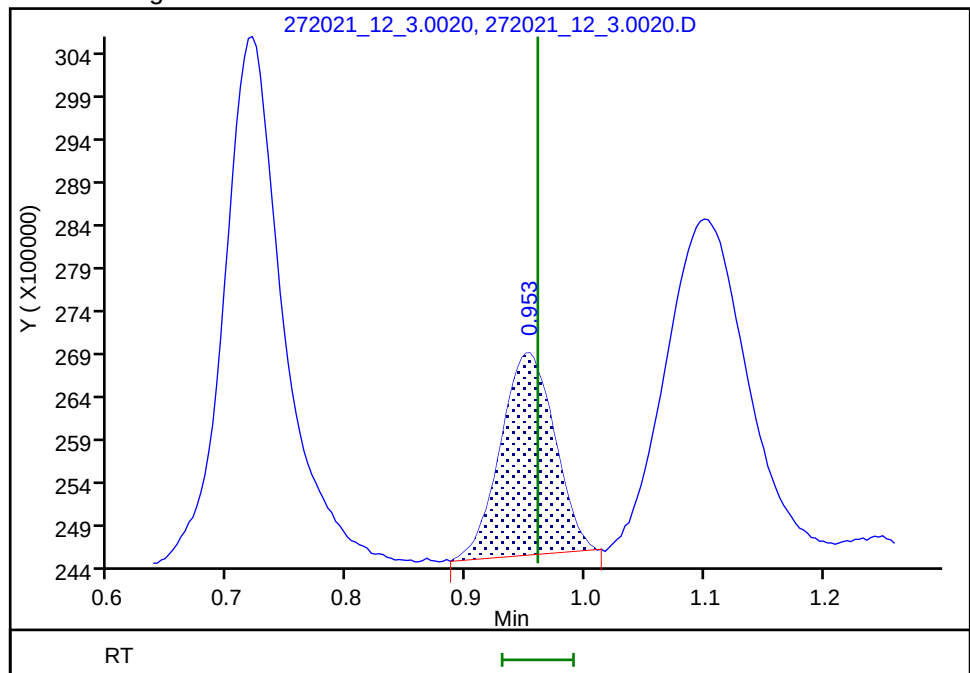
Expected RT: 0.96

Processing Integration Results



RT: 0.95
Area: 7392185
Amount: 2327.0592
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:45:17

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0020.D

Injection Date: 03-Dec-2021 16:56:00

Instrument ID: 2739

Lims ID: LCSD 410-200611/3-A

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 16

Purge Vol: 1.000 uL

Dil. Factor:

1.0000

Method: 8015_DAI_2739

Limit Group:

GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

Detector

0FIDA

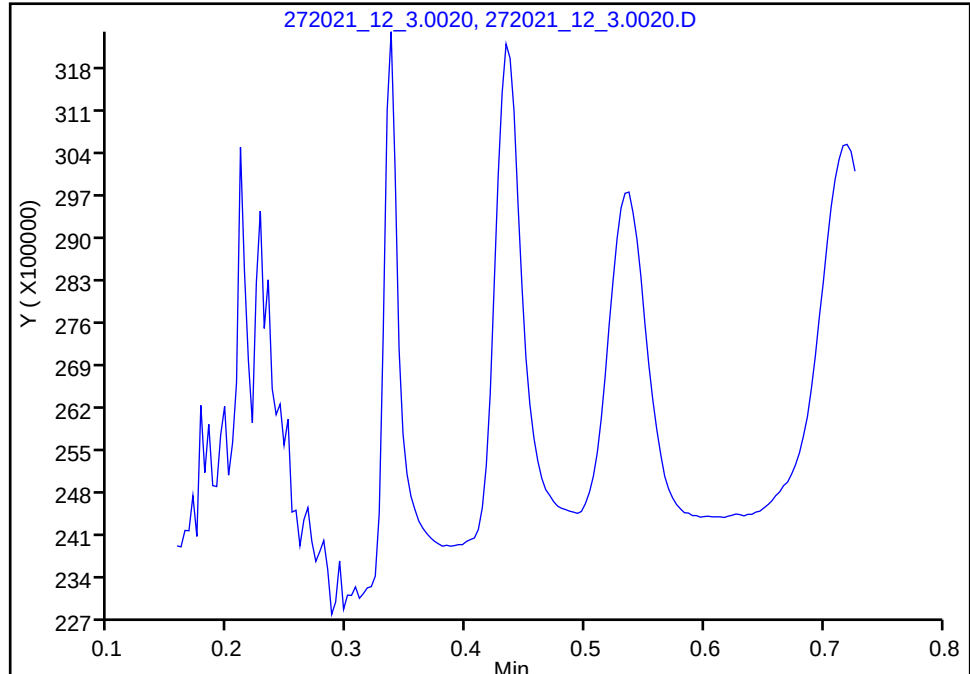
2 Ethanol, CAS: 64-17-5

Signal: 1

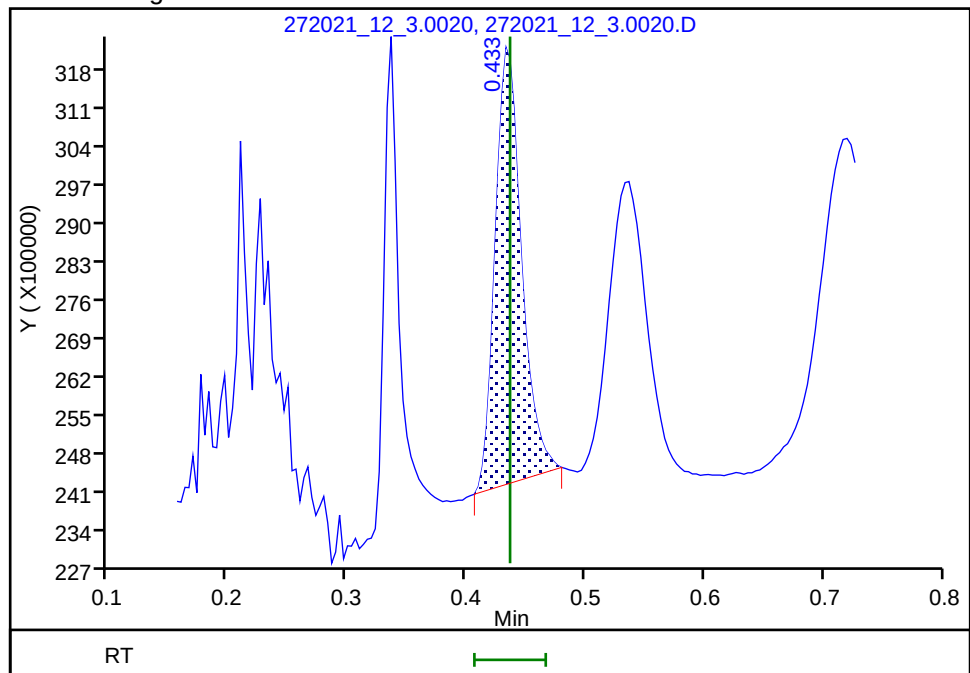
Not Detected

Expected RT: 0.44

Processing Integration Results



Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:46:42

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

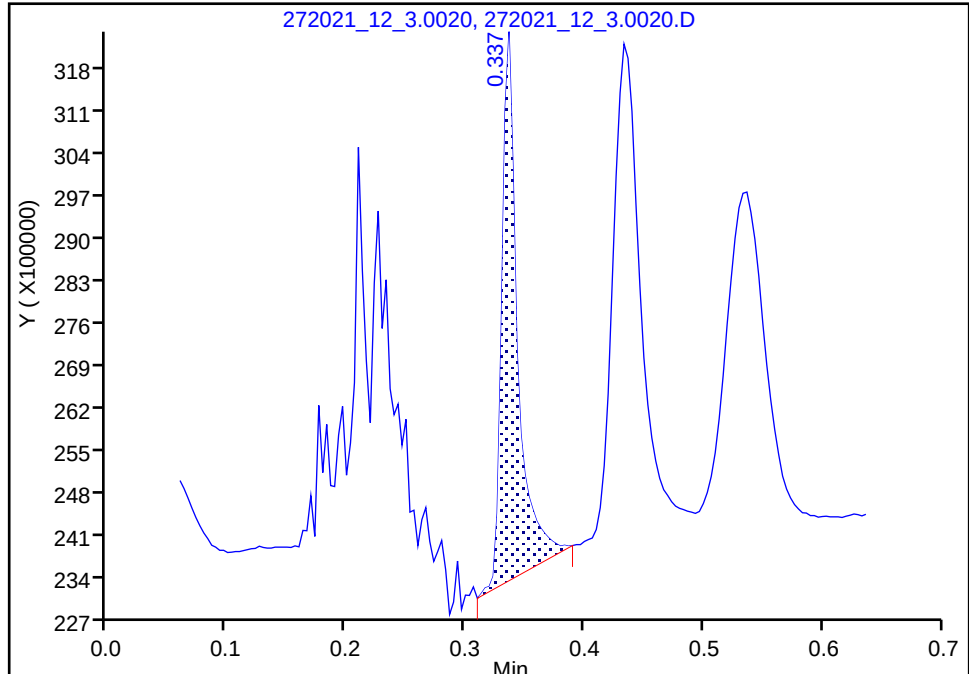
Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0020.D
Injection Date: 03-Dec-2021 16:56:00 Instrument ID: 2739
Lims ID: LCSD 410-200611/3-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

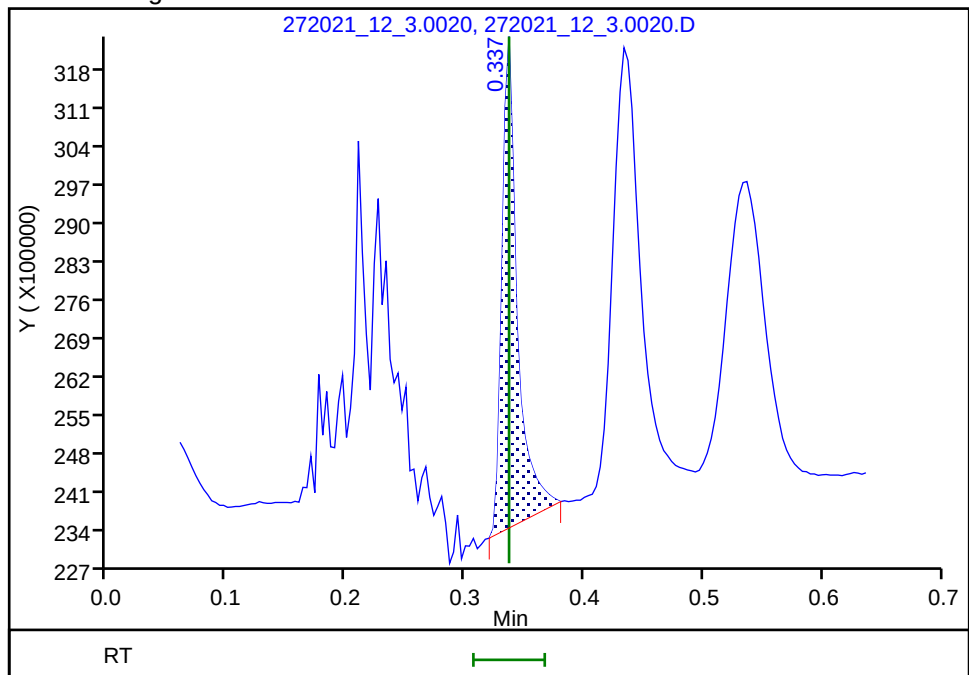
RT: 0.34
Area: 8393230
Amount: 3366.5262
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 7997916
Amount: 3207.9657
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 04-Dec-2021 07:46:44
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 673 of 741

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 410-200611/3-A
 Matrix: Water Lab File ID: 272021_12_3.0020.D
 Analysis Method: 8015D Date Collected: _____
 Sample wt/vol: 1(mL) Date Analyzed: 12/03/2021 16:56
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: SP1000 ID: _____
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 201167 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
64-17-5	Ethanol	2600		1000	150
67-56-1	Methanol	2650		1000	220

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	85		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0020.D
 Lims ID: LCSD 410-200611/3-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 03-Dec-2021 16:56:00 ALS Bottle#: 0 Worklist Smp#: 16
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: LCSD 410-200611/3-A
 Misc. Info.: 410-0045468-016
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 04-Dec-2021 08:09:37 Calib Date: 03-Dec-2021 15:04:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1621

First Level Reviewer: kennedyj

Date: 04-Dec-2021 08:10:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							M
1	0.337	0.337	0.000	7997916	2507.0	3208.0	M
2	0.710	0.723	-0.013	19771308	2507.0	2651.2	
RPD = 19.00							
2 Ethanol							Ma
1	0.433	0.437	-0.004	12216666	2501.0	3308.4	M
2	1.627	1.640	-0.013	28458341	2501.0	2601.7	M
RPD = 23.92							
3 Isopropyl alcohol							Ma
1	0.537	0.540	-0.003	11577605	2505.0	3091.1	M
2	2.893	2.900	-0.007	31410417	2505.0	2639.9	M
RPD = 15.74							
4 Propanol							M
1	0.720	0.727	-0.007	21453648	2534.8	2657.4	
2	3.447	3.463	-0.016	36412500	2534.8	2564.2	M
RPD = 3.57							
\$ 5 Acetone							Ma
1	0.953	0.960	-0.007	7392185	2504.0	2327.1	M
2	2.583	2.587	-0.004	21233852	2504.0	2136.5	M
RPD = 8.54							
6 Isobutyl alcohol							
1	1.100	1.110	-0.010	17593232	2572.1	2717.4	
7 n-Butanol							Ma
1	1.373	1.383	-0.010	14422397	2584.5	2725.9	Ma

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Report Date: 04-Dec-2021 08:10:09

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurolins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0020.D

Injection Date: 03-Dec-2021 16:56:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: LCSD 410-200611/3-A

Worklist Smp#: 16

Client ID:

Purge Vol: 1.000 uL

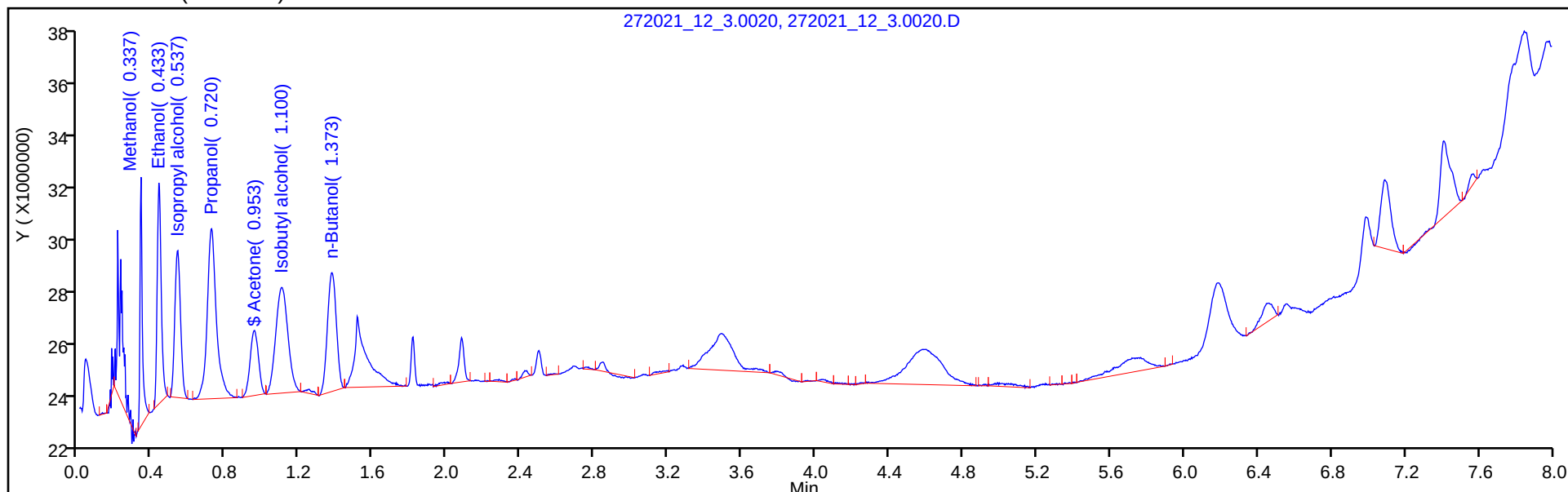
Dil. Factor: 1.0000

ALS Bottle#: 0

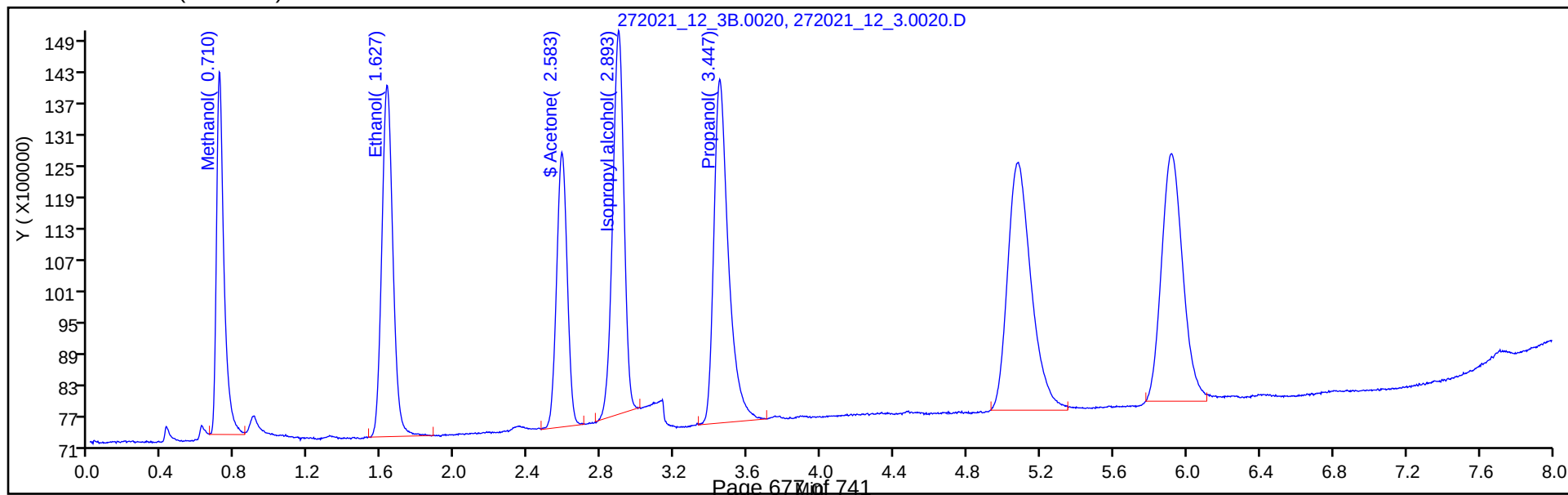
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0020.D

Injection Date: 03-Dec-2021 16:56:00

Instrument ID: 2739

Lims ID: LCSD 410-200611/3-A

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 16

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: SP1000 (0.00 mm)

Detector: 1FIDB

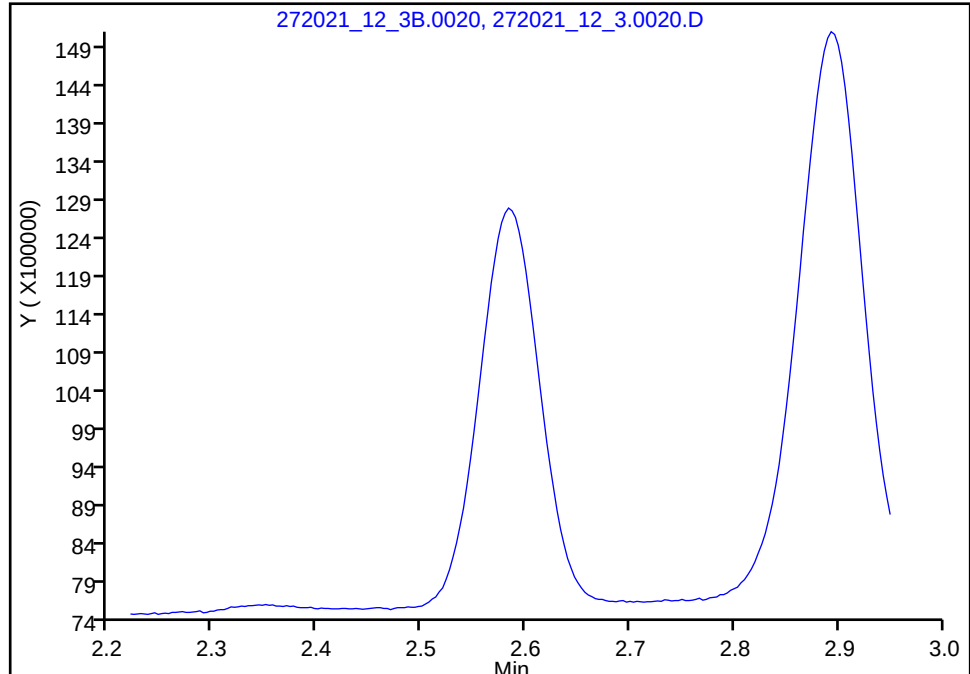
\$ 5 Acetone, CAS: 67-64-1

Signal: 2

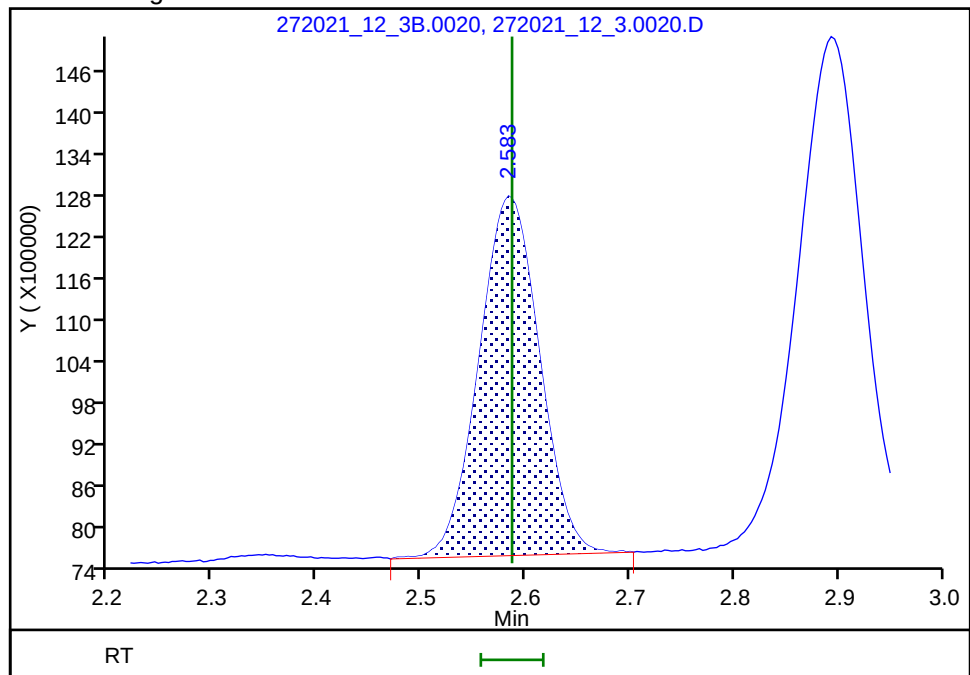
Not Detected

Expected RT: 2.59

Processing Integration Results



Manual Integration Results



RT: 2.58

Area: 21233852

Amount: 2136.4914

Amount Units: ug/l

Reviewer: kennedyj, 04-Dec-2021 07:46:21

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211203-45468.b\272021_12_3.0020.D

Injection Date: 03-Dec-2021 16:56:00

Instrument ID: 2739

Lims ID: LCSD 410-200611/3-A

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 16

Purge Vol: 1.000 uL

Dil. Factor:

1.0000

Method: 8015_DAI_2739

Limit Group:

GCV - 8015C_D DAI

Column: SP1000 (0.00 mm)

Detector

1FIDB

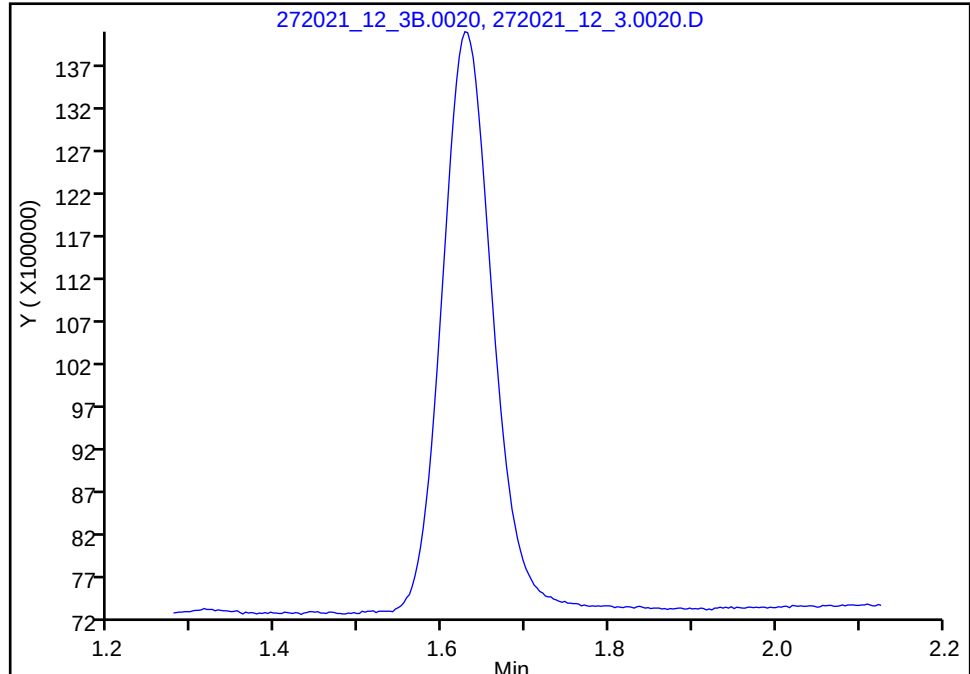
2 Ethanol, CAS: 64-17-5

Signal: 2

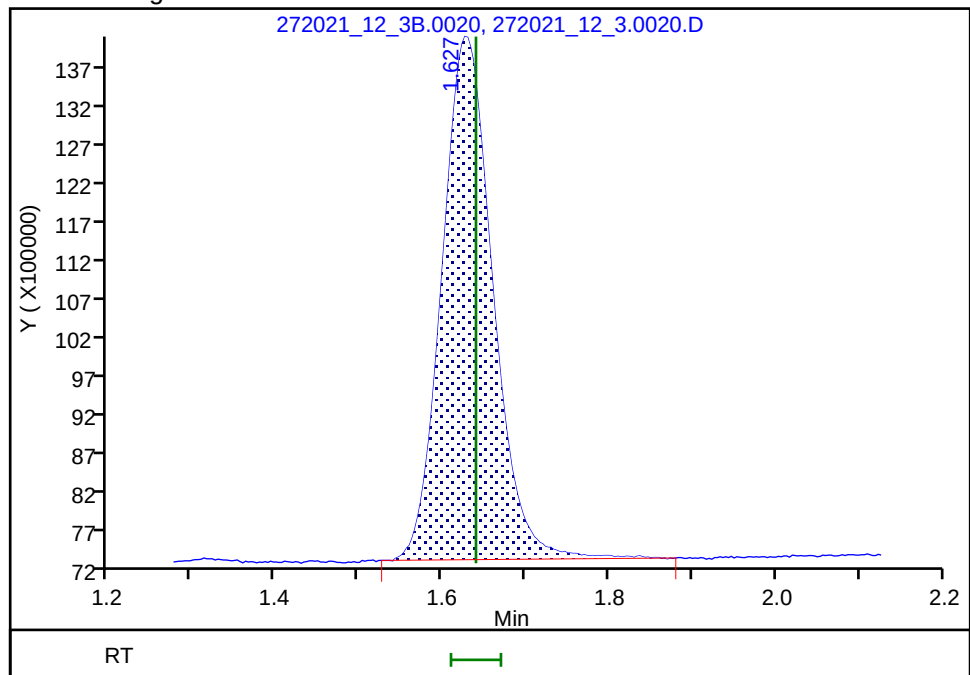
Not Detected

Expected RT: 1.64

Processing Integration Results



Manual Integration Results



RT: 1.63

Area: 28458341

Amount: 2601.6713

Amount Units: ug/l

Reviewer: kennedyj, 04-Dec-2021 07:46:29

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

GC VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1

SDG No.: _____

Instrument ID: 2739Start Date: 11/30/2021 11:55Analysis Batch Number: 199563End Date: 11/30/2021 20:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 410-199563/6		11/30/2021 11:55	1	272021_11_30.00 06.D	RTX200
IC 410-199563/6		11/30/2021 11:55	1	272021_11_30.00 06.D	SP1000
IC 410-199563/7		11/30/2021 12:14	1	272021_11_30.00 07.D	RTX200
IC 410-199563/7		11/30/2021 12:14	1	272021_11_30.00 07.D	SP1000
ICRT 410-199563/8		11/30/2021 12:33	1	272021_11_30.00 08.D	RTX200
ICRT 410-199563/8		11/30/2021 12:33	1	272021_11_30.00 08.D	SP1000
IC 410-199563/9		11/30/2021 12:51	1	272021_11_30.00 09.D	RTX200
IC 410-199563/9		11/30/2021 12:51	1	272021_11_30.00 09.D	SP1000
IC 410-199563/10		11/30/2021 13:10	1	272021_11_30.00 10.D	RTX200
IC 410-199563/10		11/30/2021 13:10	1	272021_11_30.00 10.D	SP1000
ICVL 410-199563/12		11/30/2021 13:48	1		RTX200
ICVL 410-199563/12		11/30/2021 13:48	1		SP1000
ICV 410-199563/13		11/30/2021 14:07	1	272021_11_30.00 13.D	RTX200
ICV 410-199563/13		11/30/2021 14:07	1	272021_11_30.00 13.D	SP1000
ZZZZZ		11/30/2021 14:26	1		RTX200
ZZZZZ		11/30/2021 14:26	1		SP1000
ZZZZZ		11/30/2021 14:45	1		RTX200
ZZZZZ		11/30/2021 14:45	1		SP1000
ZZZZZ		11/30/2021 15:03	10		RTX200
ZZZZZ		11/30/2021 15:03	10		SP1000
ZZZZZ		11/30/2021 15:22	10		RTX200
ZZZZZ		11/30/2021 15:22	10		SP1000
ZZZZZ		11/30/2021 15:41	10		RTX200
ZZZZZ		11/30/2021 15:41	10		SP1000
CCV 410-199563/19		11/30/2021 15:59	1	272021_11_30.00 19.D	RTX200
CCV 410-199563/19		11/30/2021 15:59	1	272021_11_30.00 19.D	SP1000
MB 410-199643/1-A		11/30/2021 16:18	1	272021_11_30.00 20.D	RTX200
MB 410-199643/1-A		11/30/2021 16:18	1	272021_11_30.00 20.D	SP1000
LCS 410-199643/2-A		11/30/2021 16:37	1	272021_11_30.00 21.D	RTX200
LCS 410-199643/2-A		11/30/2021 16:37	1	272021_11_30.00 21.D	SP1000
ZZZZZ		11/30/2021 16:55	100		RTX200
ZZZZZ		11/30/2021 16:55	100		SP1000
ZZZZZ		11/30/2021 17:14	500		RTX200
ZZZZZ		11/30/2021 17:14	500		SP1000
410-63553-2 DL	Low Range VOC PT Lot #111021 DL	11/30/2021 17:32	50	272021_11_30.00 24.D	RTX200
410-63553-2 DL	Low Range VOC PT Lot #111021 DL	11/30/2021 17:32	50	272021_11_30.00 24.D	SP1000

GC VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1

SDG No.: _____

Instrument ID: 2739Start Date: 11/30/2021 11:55Analysis Batch Number: 199563End Date: 11/30/2021 20:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/30/2021 17:51	100		RTX200
ZZZZZ		11/30/2021 17:51	100		SP1000
CCV 410-199563/26		11/30/2021 18:10	1	272021_11_30.00 26.D	RTX200
CCV 410-199563/26		11/30/2021 18:10	1	272021_11_30.00 26.D	SP1000
ZZZZZ		11/30/2021 18:28	1		RTX200
ZZZZZ		11/30/2021 18:28	1		SP1000
ZZZZZ		11/30/2021 18:47	1		RTX200
ZZZZZ		11/30/2021 18:47	1		SP1000
ZZZZZ		11/30/2021 19:06	1		RTX200
ZZZZZ		11/30/2021 19:06	1		SP1000
CCV 410-199563/35		11/30/2021 20:57	1		RTX200
CCV 410-199563/35		11/30/2021 20:57	1		SP1000

GC VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1

SDG No.: _____

Instrument ID: 2739Start Date: 12/03/2021 13:30Analysis Batch Number: 201167End Date: 12/03/2021 21:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 410-201167/5		12/03/2021 13:30	1		RTX200
PIBLK 410-201167/5		12/03/2021 13:30	1		SP1000
IC 410-201167/6		12/03/2021 13:49	1	272021_12_3.001 0.D	RTX200
IC 410-201167/6		12/03/2021 13:49	1	272021_12_3.001 0.D	SP1000
IC 410-201167/7		12/03/2021 14:08	1	272021_12_3.001 1.D	RTX200
IC 410-201167/7		12/03/2021 14:08	1	272021_12_3.001 1.D	SP1000
ICRT 410-201167/8		12/03/2021 14:26	1	272021_12_3.001 2.D	RTX200
ICRT 410-201167/8		12/03/2021 14:26	1	272021_12_3.001 2.D	SP1000
IC 410-201167/9		12/03/2021 14:45	1	272021_12_3.001 3.D	RTX200
IC 410-201167/9		12/03/2021 14:45	1	272021_12_3.001 3.D	SP1000
IC 410-201167/10		12/03/2021 15:04	1	272021_12_3.001 4.D	RTX200
IC 410-201167/10		12/03/2021 15:04	1	272021_12_3.001 4.D	SP1000
ICVL 410-201167/12		12/03/2021 15:41	1		RTX200
ICVL 410-201167/12		12/03/2021 15:41	1		SP1000
ICV 410-201167/13		12/03/2021 16:00	1	272021_12_3.001 7.D	RTX200
ICV 410-201167/13		12/03/2021 16:00	1	272021_12_3.001 7.D	SP1000
MB 410-200611/1-A		12/03/2021 16:19	1	272021_12_3.001 8.D	RTX200
MB 410-200611/1-A		12/03/2021 16:19	1	272021_12_3.001 8.D	SP1000
LCS 410-200611/2-A		12/03/2021 16:37	1	272021_12_3.001 9.D	RTX200
LCS 410-200611/2-A		12/03/2021 16:37	1	272021_12_3.001 9.D	SP1000
LCSD 410-200611/3-A		12/03/2021 16:56	1	272021_12_3.002 0.D	RTX200
LCSD 410-200611/3-A		12/03/2021 16:56	1	272021_12_3.002 0.D	SP1000
CCV 410-201167/20		12/03/2021 18:11	1	272021_12_3.002 4.D	RTX200
CCV 410-201167/20		12/03/2021 18:11	1	272021_12_3.002 4.D	SP1000
410-63553-1	High Range VOC PT Lot #111021	12/03/2021 18:30	1	272021_12_3.002 5.D	RTX200
410-63553-1	High Range VOC PT Lot #111021	12/03/2021 18:30	1	272021_12_3.002 5.D	SP1000
410-63553-2	Low Range VOC PT Lot #111021	12/03/2021 18:48	1	272021_12_3.002 6.D	RTX200
410-63553-2	Low Range VOC PT Lot #111021	12/03/2021 18:48	1	272021_12_3.002 6.D	SP1000
ZZZZZ		12/03/2021 19:07	1		RTX200
ZZZZZ		12/03/2021 19:07	1		SP1000
ZZZZZ		12/03/2021 19:26	1		RTX200
ZZZZZ		12/03/2021 19:26	1		SP1000
CCV 410-201167/25		12/03/2021 19:44	1	272021_12_3.002 9.D	RTX200

GC VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1

SDG No.: _____

Instrument ID: 2739Start Date: 12/03/2021 13:30Analysis Batch Number: 201167End Date: 12/03/2021 21:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 410-201167/25		12/03/2021 19:44	1	272021_12_3.002 9.D	SP1000
ZZZZZ		12/03/2021 20:03	1		RTX200
ZZZZZ		12/03/2021 20:03	1		SP1000
ZZZZZ		12/03/2021 20:21	1		RTX200
ZZZZZ		12/03/2021 20:21	1		SP1000
ZZZZZ		12/03/2021 20:40	1		RTX200
ZZZZZ		12/03/2021 20:40	1		SP1000
ZZZZZ		12/03/2021 20:59	1		RTX200
ZZZZZ		12/03/2021 20:59	1		SP1000
ZZZZZ		12/03/2021 21:18	1		RTX200
ZZZZZ		12/03/2021 21:18	1		SP1000
CCV 410-201167/32		12/03/2021 21:55	1		RTX200
CCV 410-201167/32		12/03/2021 21:55	1		SP1000

GC VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-63553-1

SDG No.: _____

Batch Number: 199643 Batch Start Date: 11/30/21 11:37 Batch Analyst: Kennedy, Johanna CBatch Method: 8015 DAI Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	Headspace	EPH_LLMEMS 00007	EPH_LLMESS 00006
MB 410-199643/1		8015 DAI, 8015D			1 mL	1 mL	n/a		0.01 mL
LCS 410-199643/2		8015 DAI, 8015D			1 mL	1 mL	n/a	0.01 mL	0.01 mL
410-63553-A-2	Low Range VOC PT Lot #111021	8015 DAI, 8015D	T	7 SU	1 mL	1 mL	no		

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 410-199643/1		8015 DAI, 8015D							
LCS 410-199643/2		8015 DAI, 8015D							
410-63553-A-2	Low Range VOC PT Lot #111021	8015 DAI, 8015D	T	x50 SS in WL					

Batch Notes	
Pipette/Syringe/Dispenser ID	#3
Reagent Water ID	in house

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8015D

Page 1 of 1

GC VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-63553-1

SDG No.: _____

Batch Number: 200611 Batch Start Date: 12/02/21 08:34 Batch Analyst: Kennedy, Johanna CBatch Method: 8015 DAI Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	Headspace	EPH_LLMEMS 00007	EPH_LLMESS 00006
MB 410-200611/1		8015 DAI, 8015D			1 mL	1 mL	n/a		0.01 mL
LCS 410-200611/2		8015 DAI, 8015D			1 mL	1 mL	n/a	0.01 mL	0.01 mL
LCSD 410-200611/3		8015 DAI, 8015D			1 mL	1 mL	n/a	0.01 mL	0.01 mL
410-63553-A-1	High Range VOC PT Lot #111021	8015 DAI, 8015D	T	7 SU	1 mL	1 mL	no		0.01 mL
410-63553-A-2	Low Range VOC PT Lot #111021	8015 DAI, 8015D	T	7 SU	1 mL	1 mL	no		0.01 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 410-200611/1		8015 DAI, 8015D							
LCS 410-200611/2		8015 DAI, 8015D							
LCSD 410-200611/3		8015 DAI, 8015D							
410-63553-A-1	High Range VOC PT Lot #111021	8015 DAI, 8015D	T	PT					
410-63553-A-2	Low Range VOC PT Lot #111021	8015 DAI, 8015D	T	PT					

Batch Notes	
Pipette/Syringe/Dispenser ID	#3
Reagent Water ID	in house

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8015D

Page 1 of 1

Method 8315A

Carbonyl Compounds (HPLC) by Method
8315A

FORM II
HPLC/IC SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-63553-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): Supelcosil ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	BTRA #
High Range VOC PT Lot #111021	410-63553-1	108
Low Range VOC PT Lot #111021	410-63553-2	100
Mid Range VOC PT Lot #110921	410-63553-3	109
	MB 410-199500/9-A	99
	LCS 410-199500/10-A	95
	LCSD 410-199500/11-A	92

BTRA = Butyraldehyde

QC LIMITS
39-153

Column to be used to flag recovery values

FORM II 8315A

FORM III

Lab Name: Eurofins Lancaster Laboratories
Env, LLC

Job No.: 410-63553-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 03FORM21334001.012.d

Lab ID: LCS 410-199500/10-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Formaldehyde	497	479	96	77-122	

```
# Column to be used to flag recovery and RPD values
```

FORM III 8315A

FORM III

Lab Name: Eurofins Lancaster Laboratories
Env, LLC

Job No.: 410-63553-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 03FORM21334001.013.d

Lab ID: LCSD 410-199500/11-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Formaldehyde	497	484	97	1	30	77-122	

```
# Column to be used to flag recovery and RPD values
```

FORM III 8315A

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-63553-1
SDG No.: _____
Lab File ID: 03FORM21334001.011.d Lab Sample ID: MB 410-199500/9-A
Matrix: Water Date Extracted: 11/30/2021 10:33
Instrument ID: 11000 Date Analyzed: 11/30/2021 17:25
Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-199500/10-A	03FORM21334 001.012.d	11/30/2021 17:36
	LCSD 410-199500/11-A	03FORM21334 001.013.d	11/30/2021 17:47
High Range VOC PT Lot #111021	410-63553-1	03FORM21334 001.015.d	11/30/2021 18:08
Low Range VOC PT Lot #111021	410-63553-2	03FORM21334 001.016.d	11/30/2021 18:19
Mid Range VOC PT Lot #110921	410-63553-3	03FORM21334 001.017.d	11/30/2021 18:30

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
 SDG No.: _____
 Sample No.: ICRT 410-199780/5 Date Analyzed: 11/30/2021 16:21
 Instrument ID: 11000 GC Column: Supelcosil ID: 4.6 (mm)
 Lab File ID (Standard): 03FORM21334001.005. Heated Purge: (Y/N) N
 Calibration ID: 33532

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				BTRA		
				RT #		
INITIAL CALIBRATION SURROGATE				6.19		
UPPER LIMIT				6.29		
LOWER LIMIT				6.09		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 410-199780/5		11/30/2021 16:21	03FORM21334001.005.d	6.19		
ICV 410-199780/10		11/30/2021 17:14	03FORM21334001.010.d	6.19		
MB 410-199500/9-A		11/30/2021 17:25	03FORM21334001.011.d	6.20		
LCS 410-199500/10-A		11/30/2021 17:36	03FORM21334001.012.d	6.20		
LCSD 410-199500/11-A		11/30/2021 17:47	03FORM21334001.013.d	6.20		
410-63553-1	High Range VOC PT Lot #111021	11/30/2021 18:08	03FORM21334001.015.d	6.20		
410-63553-2	Low Range VOC PT Lot #111021	11/30/2021 18:19	03FORM21334001.016.d	6.20		
410-63553-3	Mid Range VOC PT Lot #110921	11/30/2021 18:30	03FORM21334001.017.d	6.19		
CCV 410-199780/19		11/30/2021 18:51	03FORM21334001.019.d	6.20		

BTRA = Butyraldehyde

BTRA RT Limit = $\pm$ 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM I

SDG No.:

Matrix: Water Lab File ID: 03FORM21334001.015.d

Extraction Method: 8315A Prep Date Extracted: 11/30/2021 10:33

Sample wt/vol: 100 (mL) Date Analyzed: 11/30/2021 18:08

Con. Extract Vol.: 10 (mL) Dilution Factor: 1

Injection Volume: 20 (uL) GC Column: Supelcosil ID: 4.6 (mm)

Moisture: GPC Cleanup: (Y/N) N

Analysis Batch No.: 199780 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
123-72-8	Butyraldehyde	108		39-153

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.015.d
Lims ID: 410-63553-A-1-A
Client ID: High Range VOC PT Lot #111021
Sample Type: Client
Inject. Date: 30-Nov-2021 18:08:00 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 410-63553-A-1-A
Operator ID: 24470 Instrument ID: 11000
Method: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\8315A_11000.m
Limit Group: LC - 8315A
Last Update: 30-Nov-2021 19:09:22 Calib Date: 30-Nov-2021 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.007.d
Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
Process Host: CTX1601

First Level Reviewer: donovane

Date: 30-Nov-2021 18:31:29

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags

1 Formaldehyde

2.670 2.658 0.012 954598849H 4.46

\$ 3 Butyraldehyde

6.199 6.187 0.012 264812882H 8.68

QC Flag Legend

Processing Flags

H - Response Measured by Height

Report Date: 30-Nov-2021 19:09:34

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.015.d

Injection Date: 30-Nov-2021 18:08:00

Instrument ID: 11000

Lims ID: 410-63553-A-1-A

Lab Sample ID: 410-63553-1

Client ID: High Range VOC PT Lot #111021

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 15

Injection Vol: 20.0 ul

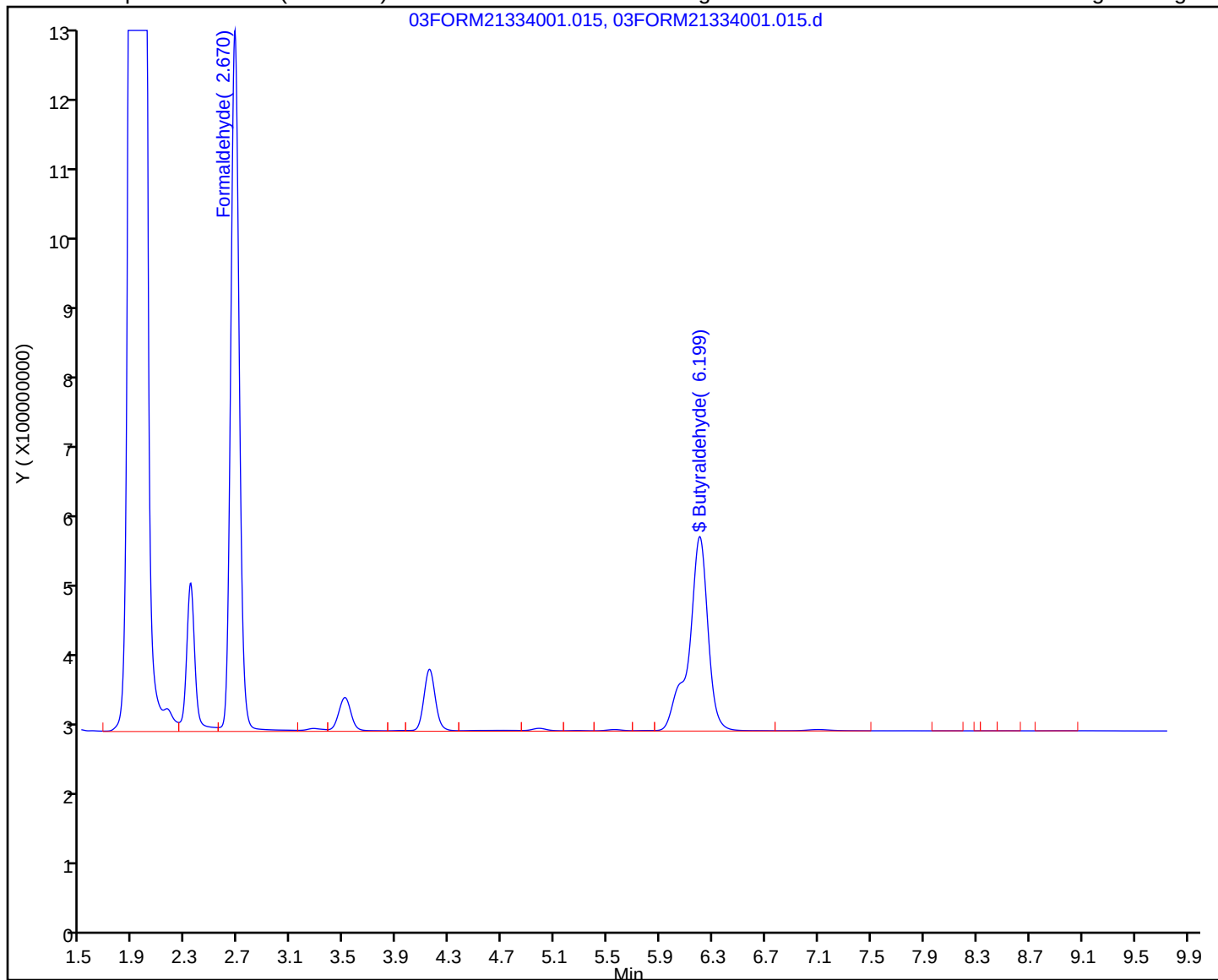
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
SDG No.: _____
Client Sample ID: Low Range VOC PT Lot Lab Sample ID: 410-63553-2
#111021
Matrix: Water Lab File ID: 03FORM21334001.016.d
Analysis Method: 8315A Date Collected: 11/30/2021 09:00
Extraction Method: 8315A Prep Date Extracted: 11/30/2021 10:33
Sample wt/vol: 100 (mL) Date Analyzed: 11/30/2021 18:19
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 20 (uL) GC Column: Supelcosil ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 199780 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	61		60	27

CAS NO.	SURROGATE	%REC	Q	LIMITS
123-72-8	Butyraldehyde	100		39-153

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.016.d
Lims ID: 410-63553-A-2-A
Client ID: Low Range VOC PT Lot #111021
Sample Type: Client
Inject. Date: 30-Nov-2021 18:19:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 410-63553-A-2-A
Operator ID: 24470 Instrument ID: 11000
Method: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\8315A_11000.m
Limit Group: LC - 8315A
Last Update: 30-Nov-2021 19:09:22 Calib Date: 30-Nov-2021 16:42:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.007.d
Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
Process Host: CTX1601

First Level Reviewer: donovane

Date: 30-Nov-2021 18:53:06

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags

1 Formaldehyde

2.666 2.658 0.008 129695657H 0.6056

\$ 3 Butyraldehyde

6.195 6.187 0.008 244778523H 8.02

QC Flag Legend

Processing Flags

H - Response Measured by Height

Report Date: 30-Nov-2021 19:09:34

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.016.d

Injection Date: 30-Nov-2021 18:19:00

Instrument ID: 11000

Lims ID: 410-63553-A-2-A

Lab Sample ID: 410-63553-2

Client ID: Low Range VOC PT Lot #111021

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 16

Injection Vol: 20.0 ul

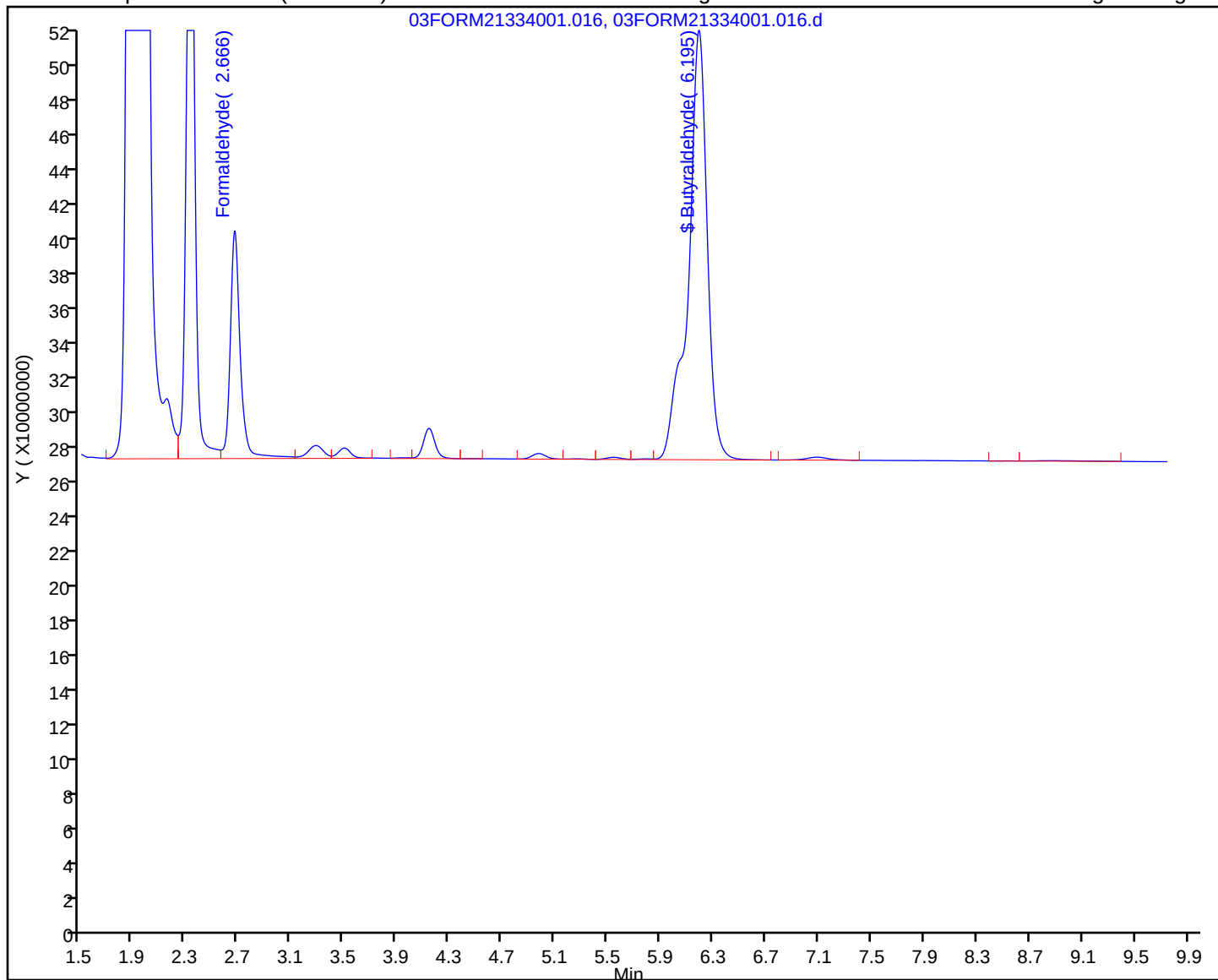
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
SDG No.: _____
Client Sample ID: Mid Range VOC PT Lot Lab Sample ID: 410-63553-3
#110921
Matrix: Water Lab File ID: 03FORM21334001.017.d
Analysis Method: 8315A Date Collected: 11/30/2021 09:00
Extraction Method: 8315A Prep Date Extracted: 11/30/2021 10:33
Sample wt/vol: 100 (mL) Date Analyzed: 11/30/2021 18:30
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 20 (uL) GC Column: Supelcosil ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 199780 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	110		60	27

CAS NO.	SURROGATE	%REC	Q	LIMITS
123-72-8	Butyraldehyde	109		39-153

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.017.d
 Lims ID: 410-63553-A-3-A
 Client ID: Mid Range VOC PT Lot #110921
 Sample Type: Client
 Inject. Date: 30-Nov-2021 18:30:00 ALS Bottle#: 0 Worklist Smp#: 17
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 410-63553-A-3-A
 Operator ID: 24470 Instrument ID: 11000
 Method: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 30-Nov-2021 19:09:22 Calib Date: 30-Nov-2021 16:42:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1601

First Level Reviewer: donovane

Date: 30-Nov-2021 18:56:48

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags

1 Formaldehyde

2.670 2.658 0.012 238435312H 1.11

\$ 3 Butyraldehyde

6.191 6.187 0.004 265862871H 8.71

QC Flag Legend

Processing Flags

H - Response Measured by Height

Report Date: 30-Nov-2021 19:09:34

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.017.d

Injection Date: 30-Nov-2021 18:30:00

Instrument ID: 11000

Lims ID: 410-63553-A-3-A

Lab Sample ID: 410-63553-3

Client ID: Mid Range VOC PT Lot #110921

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 17

Injection Vol: 20.0 ul

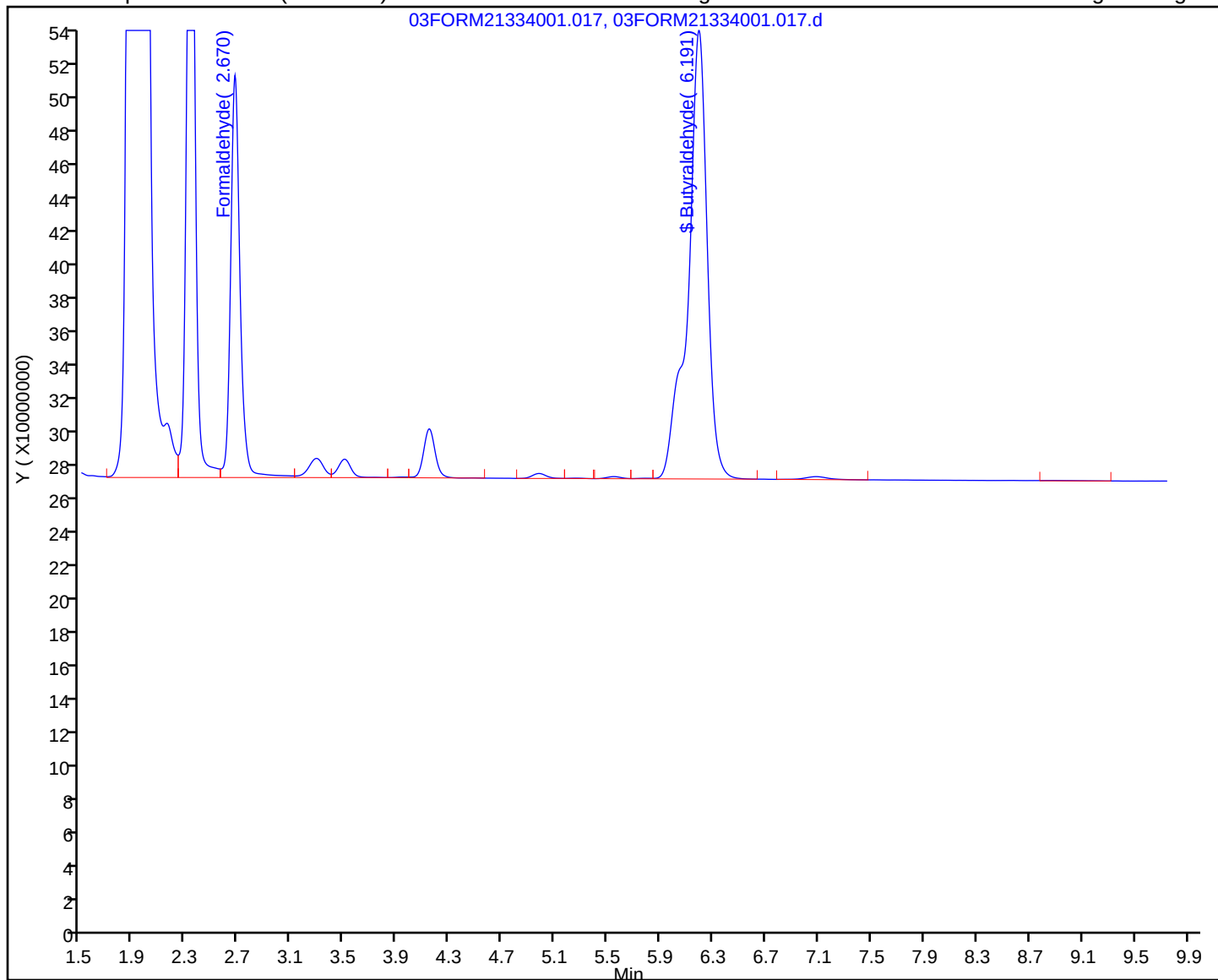
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
HPLC/IC BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 199780

SDG No.: _____

Instrument ID: 11000 GC Column: Supelcosil ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/30/2021 15:59 Calibration End Date: 11/30/2021 16:42 Calibration ID: 33532

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-199780/3	03FORM21334001.003.d
Level 2	IC 410-199780/4	03FORM21334001.004.d
Level 3	ICRT 410-199780/5	03FORM21334001.005.d
Level 4	IC 410-199780/6	03FORM21334001.006.d
Level 5	IC 410-199780/7	03FORM21334001.007.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Formaldehyde	2.670	2.666	2.658	2.666	2.670						2.420 - 2.920	2.666
Acetaldehyde	3.262	3.258	3.250	3.258	3.258						3.012 - 3.512	3.257
Glutaraldehyde	8.858	8.838	8.830	8.834	8.842						8.608 - 9.108	8.840
Butyraldehyde	6.203	6.195	6.187	6.195	6.199						5.953 - 6.453	6.196

FORM VI
HPLC/IC BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 199780

SDG No.: _____

Instrument ID: 11000 GC Column: Supelcosil ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/30/2021 15:59 Calibration End Date: 11/30/2021 16:42 Calibration ID: 33532

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-199780/3	03FORM21334001.003.d
Level 2	IC 410-199780/4	03FORM21334001.004.d
Level 3	ICRT 410-199780/5	03FORM21334001.005.d
Level 4	IC 410-199780/6	03FORM21334001.006.d
Level 5	IC 410-199780/7	03FORM21334001.007.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Formaldehyde	245053528 185550094	233844176	210800024	195537702	Ave		214157105				11.7		20.0			
Acetaldehyde	95203612 92642171	91583799	86656133	96238179	Ave		92464779. 0				4.1		20.0			
Glutaraldehyde	25777047 25555570	26286286	27391192	27810238	Ave		26564066. 6				3.7		20.0			
Butyraldehyde	31933952 29972234	30941374	29072147	30645195	Ave		30512980. 3				3.5		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-63553-1 Analy Batch No.: 199780

SDG No.: _____

Instrument ID: 11000 GC Column: Supelcosil ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 11/30/2021 15:59 Calibration End Date: 11/30/2021 16:42 Calibration ID: 33532

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-199780/3	03FORM21334001.003.d
Level 2	IC 410-199780/4	03FORM21334001.004.d
Level 3	ICRT 410-199780/5	03FORM21334001.005.d
Level 4	IC 410-199780/6	03FORM21334001.006.d
Level 5	IC 410-199780/7	03FORM21334001.007.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Formaldehyde	Ave	123016871	234779553	423286449	117791911 9	186292294 8	0.502	1.00	2.01	6.02	10.0
Acetaldehyde	Ave	47839815	92041718	174178828	580316222	936612351	0.503	1.01	2.01	6.03	10.1
Glutaraldehyde	Ave	12875635	26260000	54727601	166694565	255300145	0.500	0.999	2.00	5.99	9.99
Butyraldehyde	Ave	31931908	61878788	116281144	367718802	599406319	1.000	2.00	4.00	12.0	20.0

Curve Type Legend

Ave = Average by Height

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.003.d
 Lims ID: ic form1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 30-Nov-2021 15:59:00 ALS Bottle#: 0 Worklist Smp#: 3
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: ic 1
 Operator ID: 24470 Instrument ID: 11000
 Sublist: chrom-8315A_11000*sub1
 Method: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 30-Nov-2021 19:09:21 Calib Date: 30-Nov-2021 16:42:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1601

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde
 2.670 2.670 0.000 123016871H 0.5020 0.5744
 2 Acetaldehyde
 3.262 3.262 0.000 47839815H 0.5025 0.5174
 \$ 3 Butyraldehyde
 6.203 6.203 0.000 31931908H 1.00 1.05
 4 Glutaraldehyde
 8.858 8.858 0.000 12875635H 0.4995 0.4847

Reagents:

GCS_FRMLV1_00211

Amount Added: 1.00

Units: mL

Report Date: 30-Nov-2021 19:09:21

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.003.d

Injection Date: 30-Nov-2021 15:59:00

Instrument ID: 11000

Lims ID: ic form1

Client ID:

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 3

Injection Vol: 20.0 ul

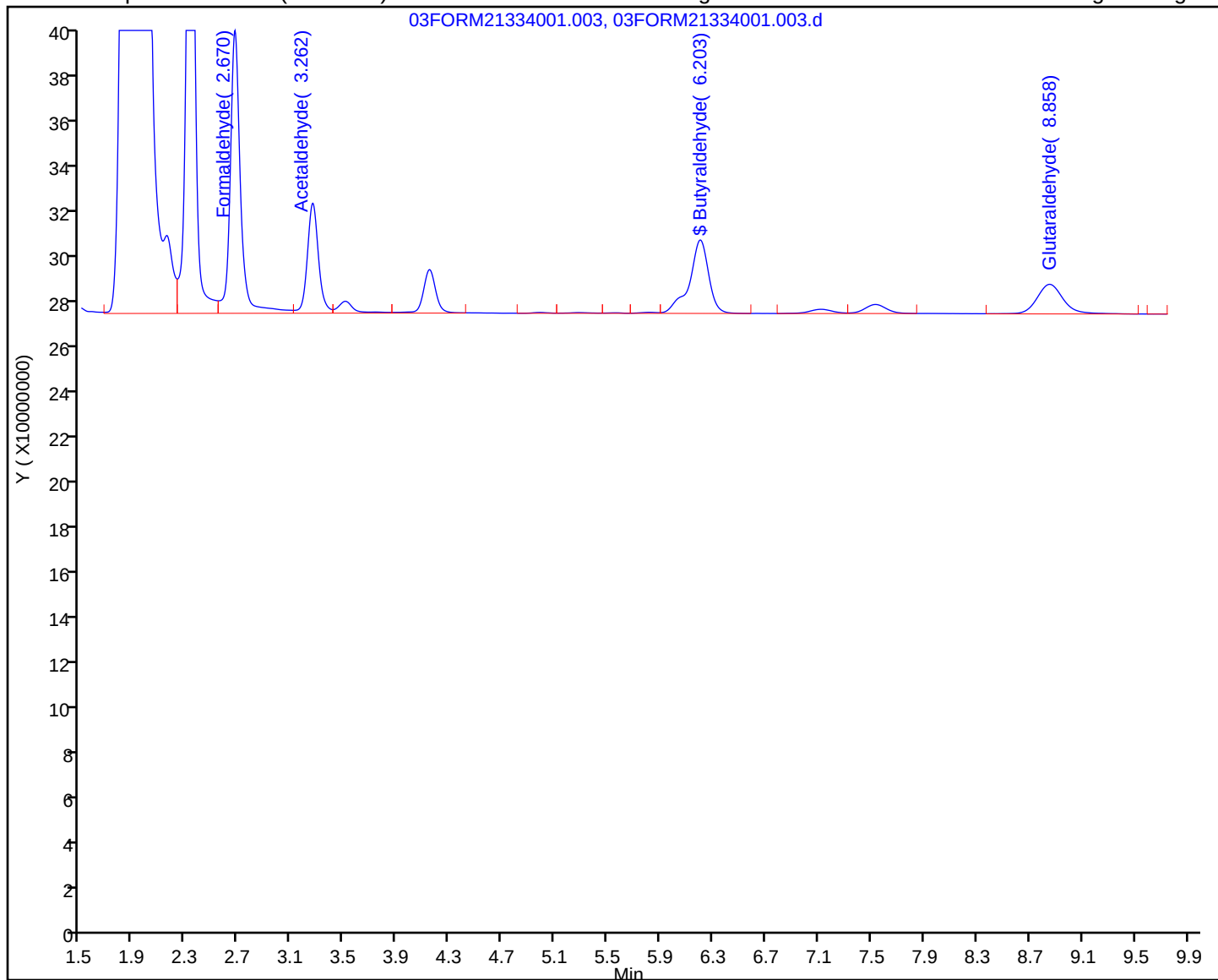
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.004.d
 Lims ID: ic form2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 30-Nov-2021 16:10:00 ALS Bottle#: 0 Worklist Smp#: 4
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: ic 2
 Operator ID: 24470 Instrument ID: 11000
 Sublist: chrom-8315A_11000*sub1
 Method: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 30-Nov-2021 19:09:21 Calib Date: 30-Nov-2021 16:42:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1601

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde
 2.666 2.670 -0.004 234779553H 1.00 1.10
 2 Acetaldehyde
 3.258 3.262 -0.004 92041718H 1.01 1.00
 \$ 3 Butyraldehyde
 6.195 6.203 -0.008 61878788H 2.00 2.03
 4 Glutaraldehyde
 8.838 8.858 -0.020 26260000H 1.00 0.9886

Reagents:

GCS_FRMLV2_00211

Amount Added: 1.00

Units: mL

Report Date: 30-Nov-2021 19:09:21

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.004.d

Injection Date: 30-Nov-2021 16:10:00

Instrument ID: 11000

Lims ID: ic form2

Client ID:

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 4

Injection Vol: 20.0 ul

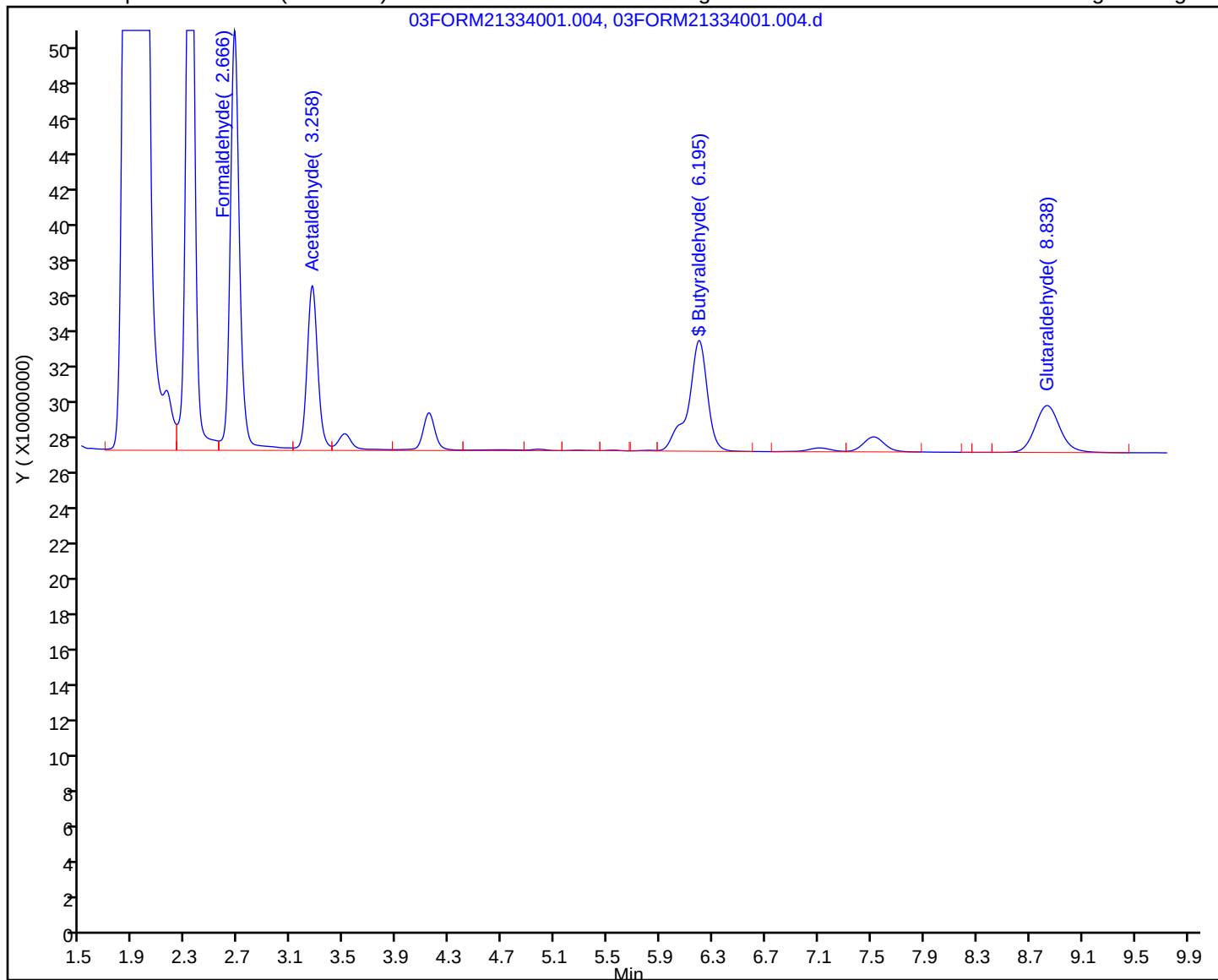
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.005.d
 Lims ID: icrt form3
 Client ID:
 Sample Type: ICRT Calib Level: 3
 Inject. Date: 30-Nov-2021 16:21:00 ALS Bottle#: 0 Worklist Smp#: 5
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: icrt
 Operator ID: 24470 Instrument ID: 11000
 Sublist: chrom-8315A_11000*sub1
 Method: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 30-Nov-2021 19:09:22 Calib Date: 30-Nov-2021 16:42:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1601

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.658	2.658	0.000	423286449H	2.01	1.98	
2 Acetaldehyde						
3.250	3.250	0.000	174178828H	2.01	1.88	
\$ 3 Butyraldehyde						
6.187	6.187	0.000	116281144H	4.00	3.81	
4 Glutaraldehyde						
8.830	8.830	0.000	54727601H	2.00	2.06	

Reagents:

GCS_FRMLV3_00218 Amount Added: 1.00 Units: mL

Report Date: 30-Nov-2021 19:09:22

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.005.d

Injection Date: 30-Nov-2021 16:21:00

Instrument ID: 11000

Lims ID: icrt form3

Client ID:

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 5

Injection Vol: 20.0 ul

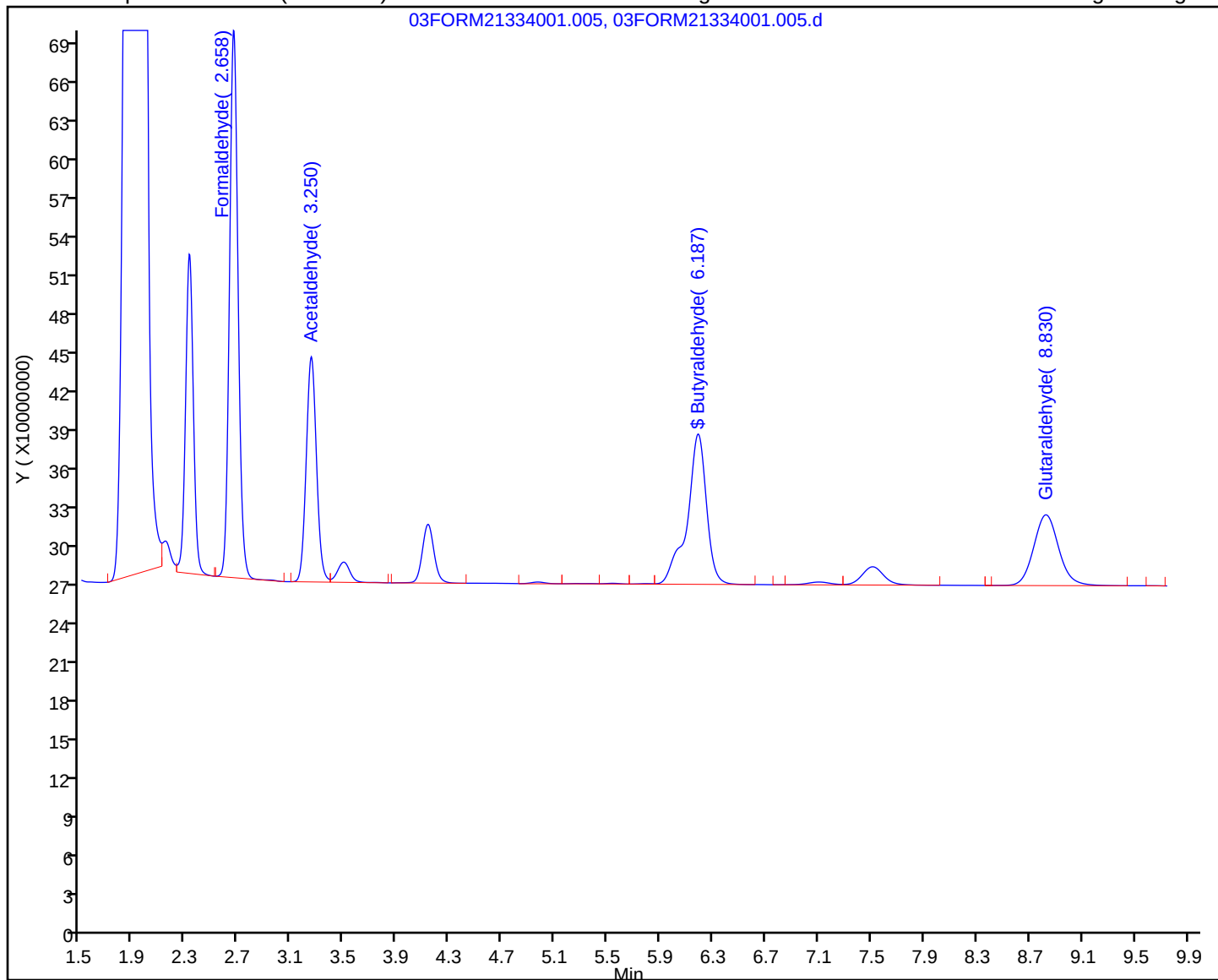
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.006.d
 Lims ID: ic form4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 30-Nov-2021 16:31:00 ALS Bottle#: 0 Worklist Smp#: 6
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: ic 4
 Operator ID: 24470 Instrument ID: 11000
 Sublist: chrom-8315A_11000*sub1
 Method: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 30-Nov-2021 19:09:22 Calib Date: 30-Nov-2021 16:42:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1601

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.666	2.658	0.008	1177919119H	6.02	5.50	
2 Acetaldehyde						
3.258	3.250	0.008	580316222H	6.03	6.28	
\$ 3 Butyraldehyde						
6.195	6.187	0.008	367718802H	12.0	12.1	
4 Glutaraldehyde						
8.834	8.830	0.004	166694565H	5.99	6.28	

Reagents:

GCS_FRMLV4_00211

Amount Added: 1.00

Units: mL

Report Date: 30-Nov-2021 19:09:22

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.006.d

Injection Date: 30-Nov-2021 16:31:00

Instrument ID: 11000

Lims ID: ic form4

Client ID:

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 6

Injection Vol: 20.0 ul

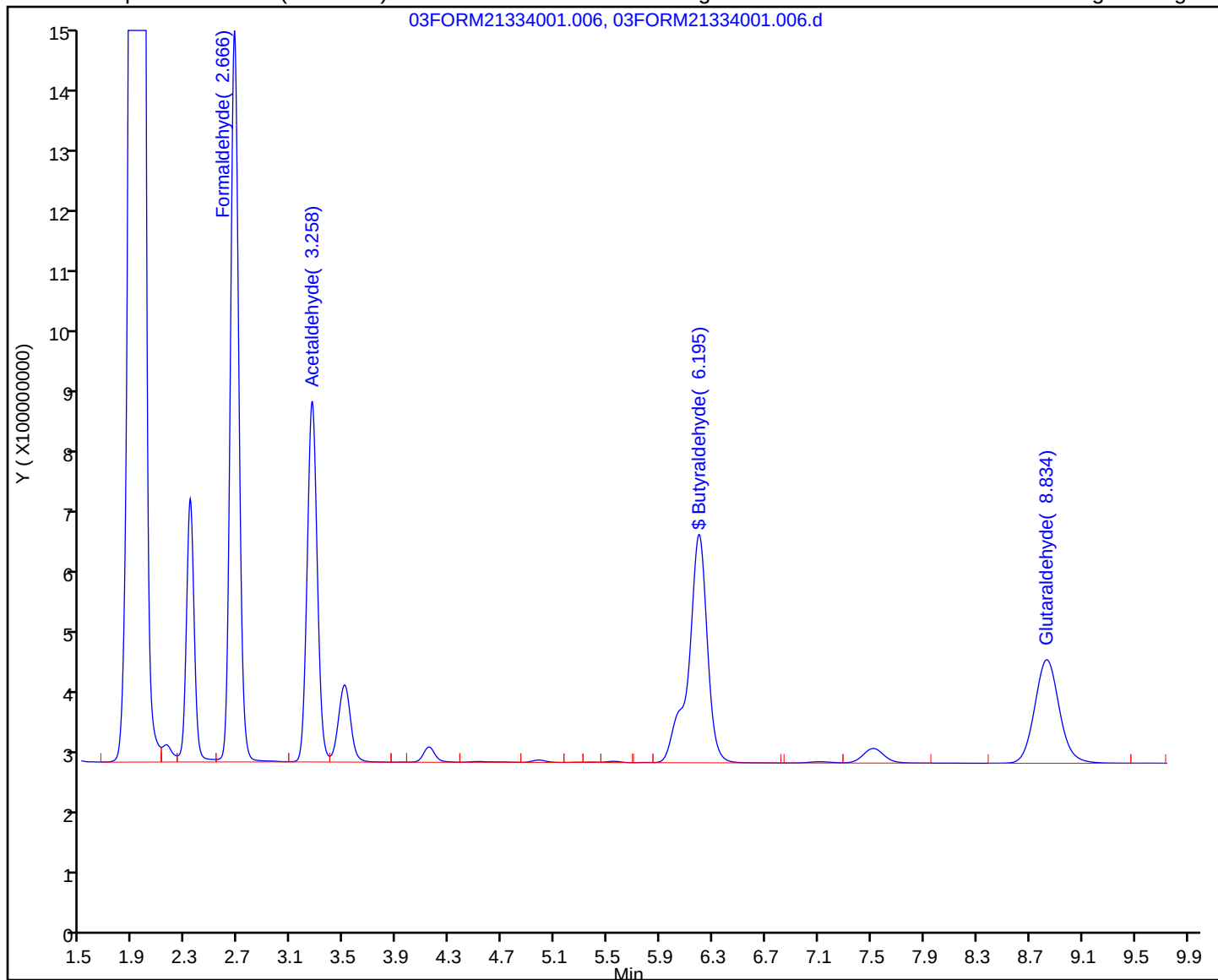
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.007.d
 Lims ID: ic form5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 30-Nov-2021 16:42:00 ALS Bottle#: 0 Worklist Smp#: 7
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: ic 5
 Operator ID: 24470 Instrument ID: 11000
 Sublist: chrom-8315A_11000*sub1
 Method: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 30-Nov-2021 19:09:22 Calib Date: 30-Nov-2021 16:42:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1601

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.670	2.658	0.012	1862922948H	10.0	8.70	
2 Acetaldehyde						
3.258	3.250	0.008	936612351H	10.1	10.1	
\$ 3 Butyraldehyde						
6.199	6.187	0.012	599406319H	20.0	19.6	
4 Glutaraldehyde						
8.842	8.830	0.012	255300145H	10.0	9.61	

Reagents:

GCS_FRMLV5_00211

Amount Added: 1.00

Units: mL

Report Date: 30-Nov-2021 19:09:22

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.007.d

Injection Date: 30-Nov-2021 16:42:00

Instrument ID: 11000

Lims ID: ic form5

Client ID:

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 7

Injection Vol: 20.0 ul

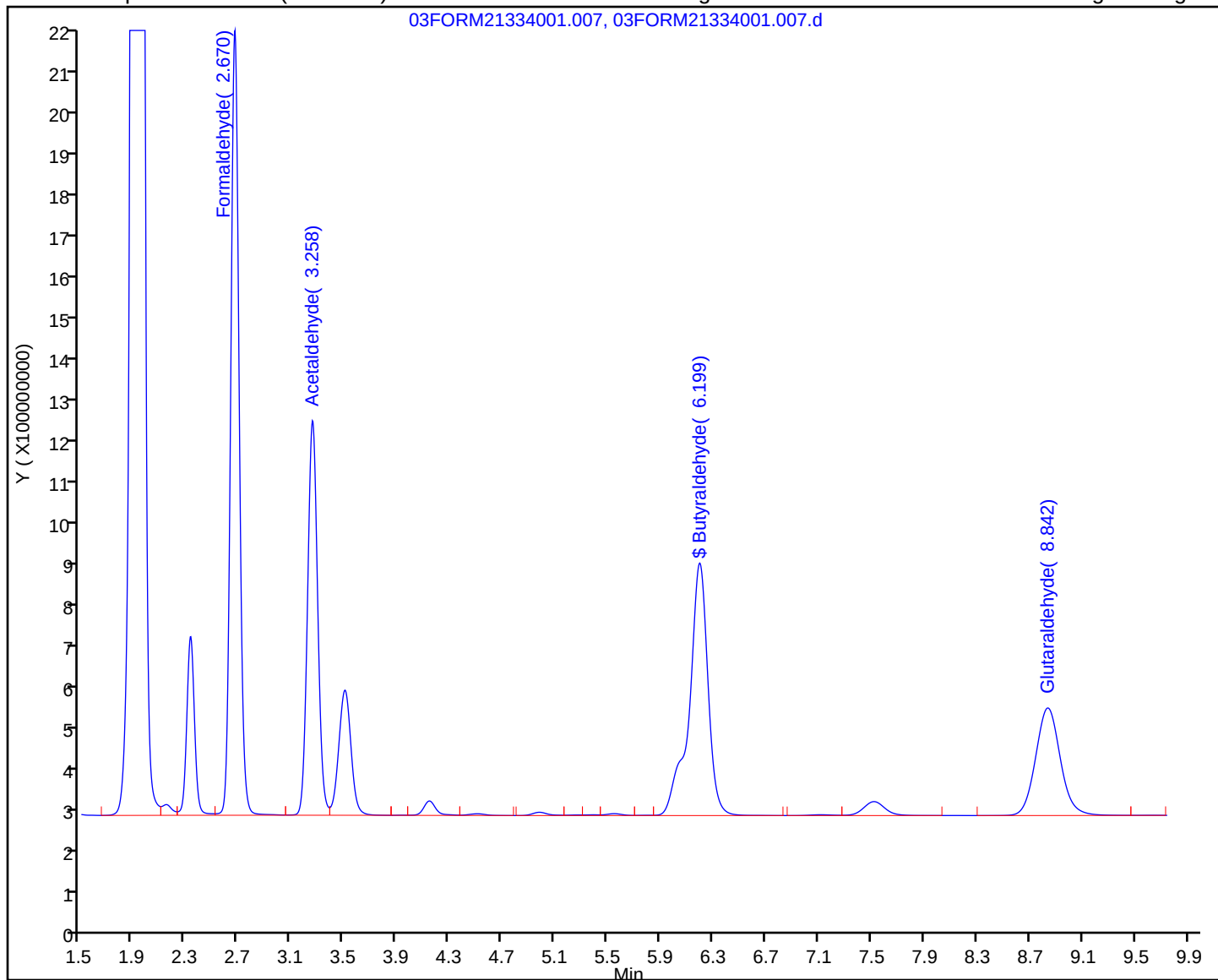
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Calibration

/ Formaldehyde

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: HEIGHT
 RF Rounding: 0

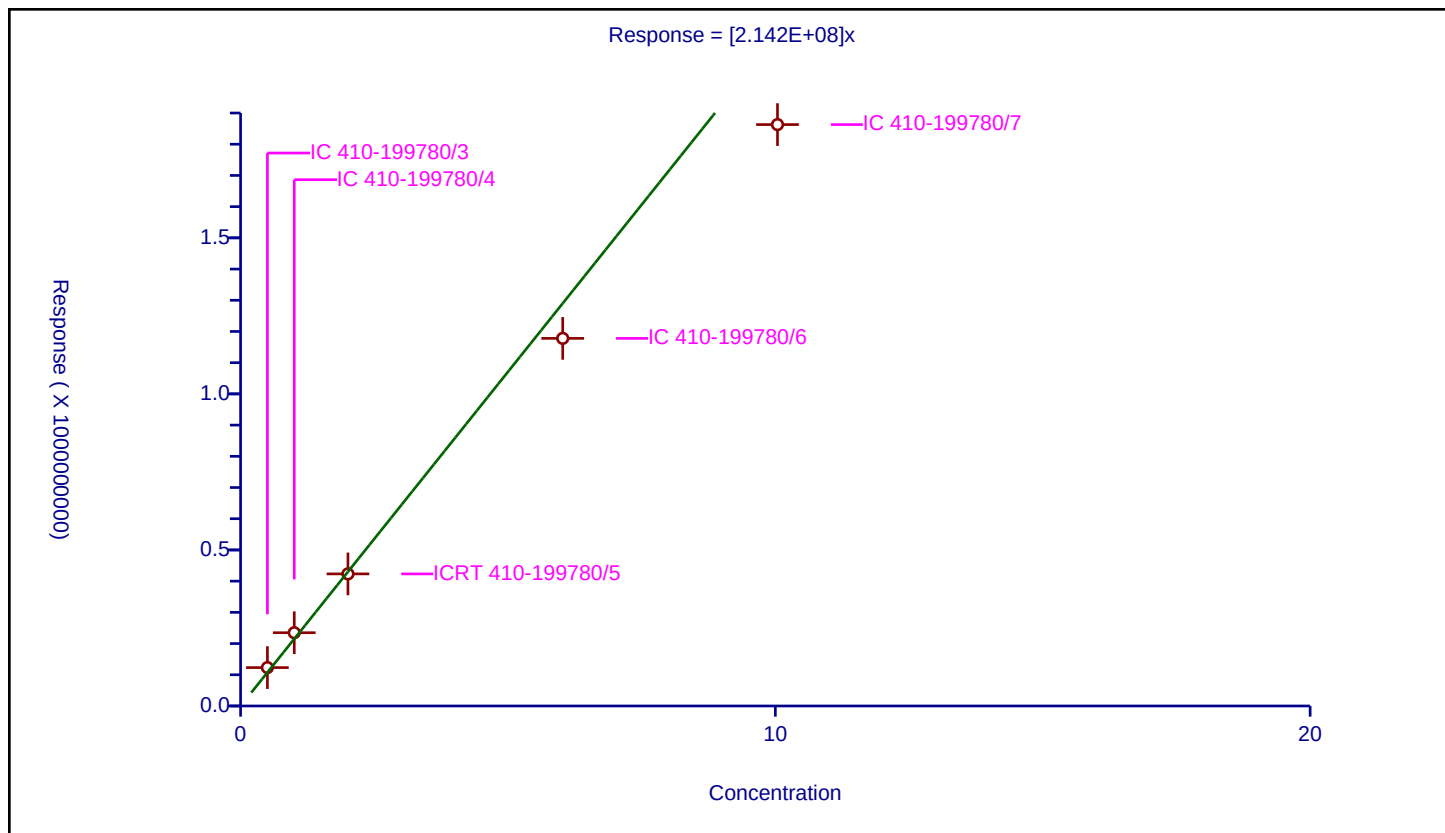
Curve Coefficients

Intercept: 0
 Slope: 2.142E+08

Error Coefficients

Standard Error: 155000000
 Relative Standard Error: 11.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.970

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-199780/3	0.502	123016871.0			245053527.888446	Y
2	IC 410-199780/4	1.004	234779553.0			233844176.294821	Y
3	ICRT 410-199780/5	2.008	423286449.0			210800024.40239	Y
4	IC 410-199780/6	6.024	1177919119.0			195537702.357238	Y
5	IC 410-199780/7	10.04	1862922948.0			185550094.422311	Y



Calibration

/ Acetaldehyde

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ESTD
Response Base: HEIGHT
RF Rounding: 0

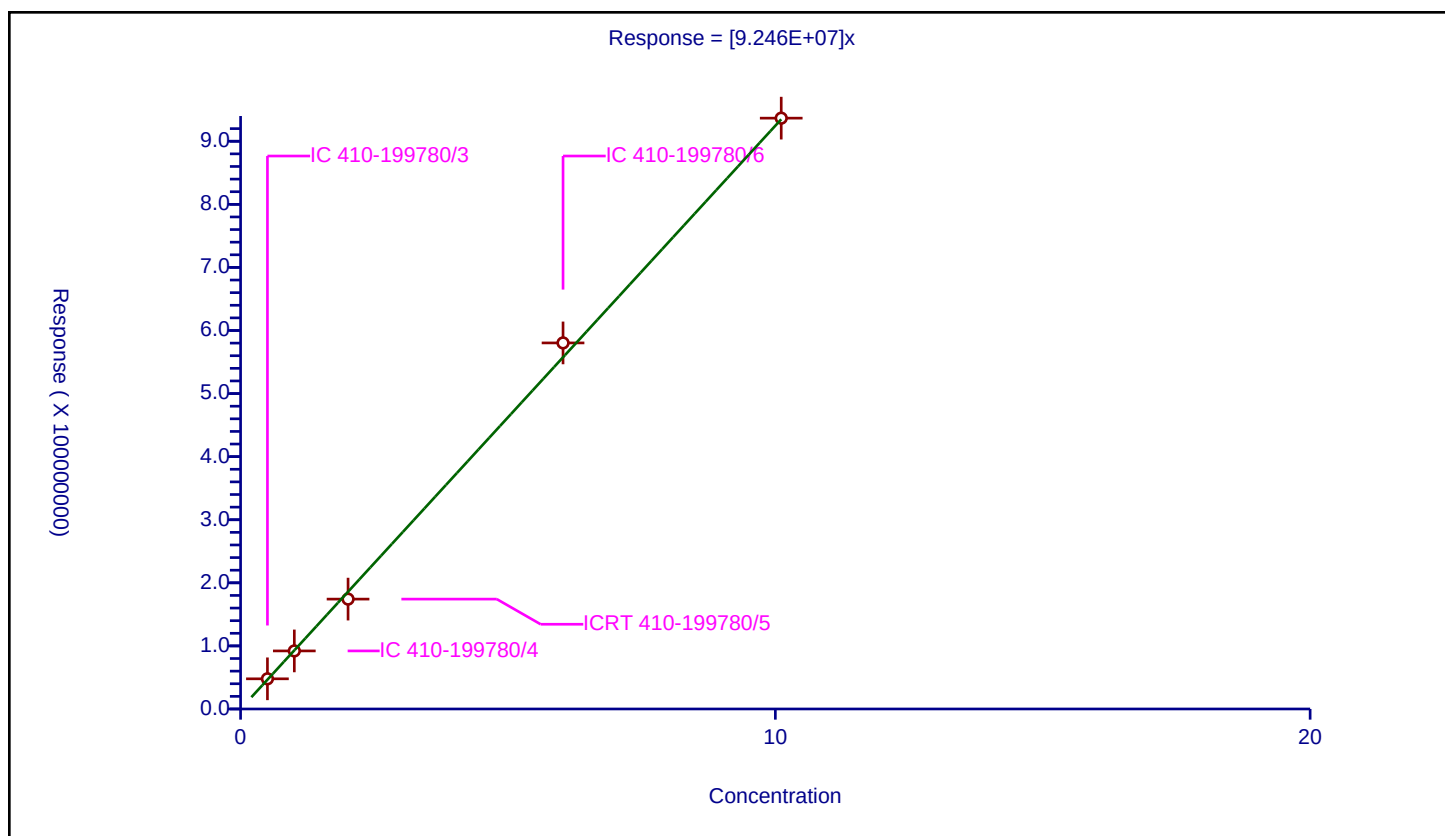
Curve Coefficients

Intercept: 0
Slope: 9.246E+07

Error Coefficients

Standard Error: 12800000
Relative Standard Error: 4.1
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-199780/3	0.5025	47839815.0			95203611.940299	Y
2	IC 410-199780/4	1.005	92041718.0			91583799.004975	Y
3	ICRT 410-199780/5	2.01	174178828.0			86656133.333333	Y
4	IC 410-199780/6	6.03	580316222.0			96238179.436153	Y
5	IC 410-199780/7	10.11	936612351.0			92642171.216617	Y



Calibration

/ Butyraldehyde

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ESTD
Response Base: HEIGHT
RF Rounding: 0

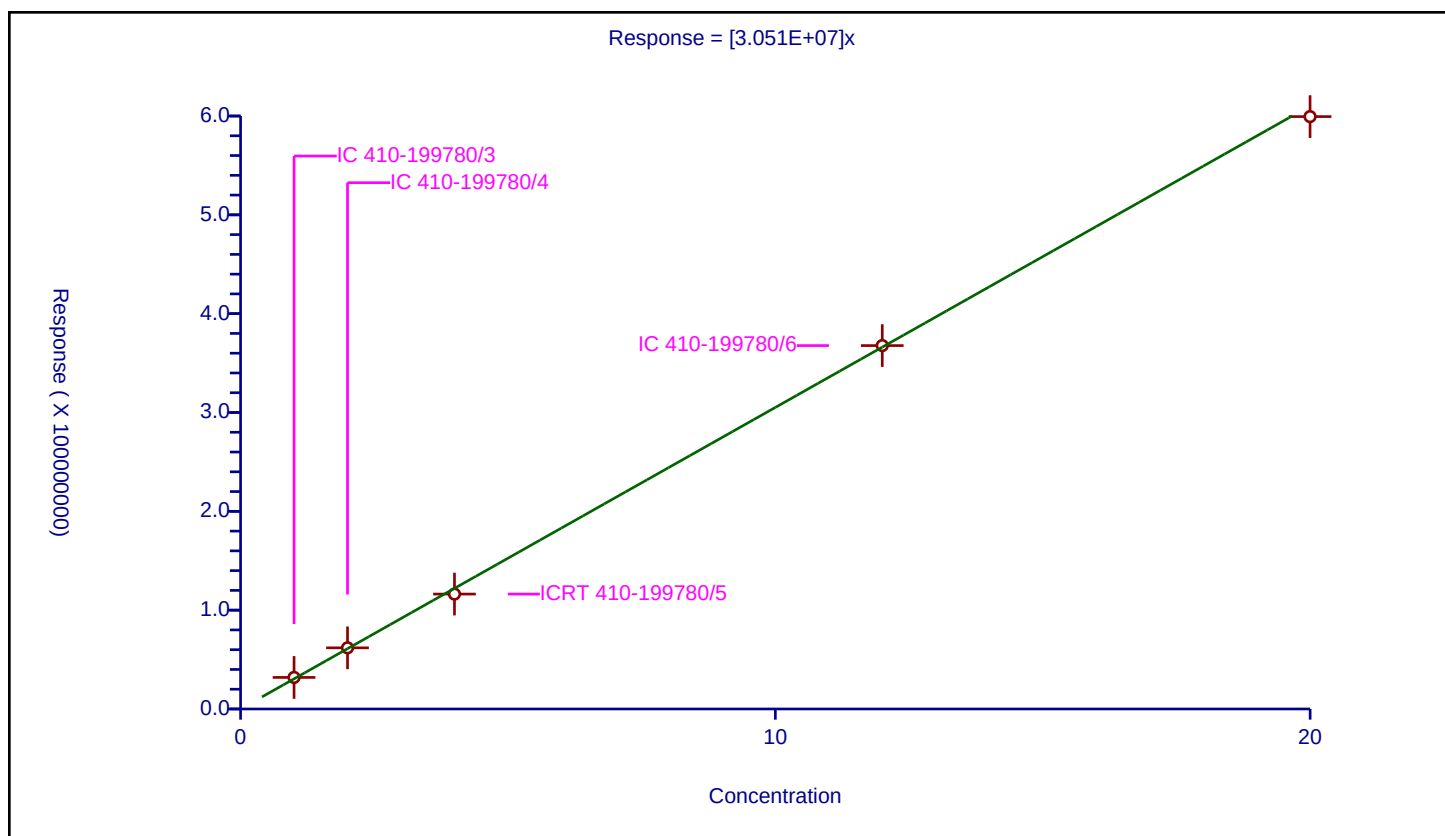
Curve Coefficients

Intercept: 0
Slope: 3.051E+07

Error Coefficients

Standard Error: 6230000
Relative Standard Error: 3.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-199780/3	0.999936	31931908.0			31933951.772914	Y
2	IC 410-199780/4	1.999872	61878788.0			30941374.247952	Y
3	ICRT 410-199780/5	3.999744	116281144.0			29072146.617384	Y
4	IC 410-199780/6	11.999232	367718802.0			30645194.792467	Y
5	IC 410-199780/7	19.99872	599406319.0			29972234.172987	Y



Calibration

/ Glutaraldehyde

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: HEIGHT
 RF Rounding: 0

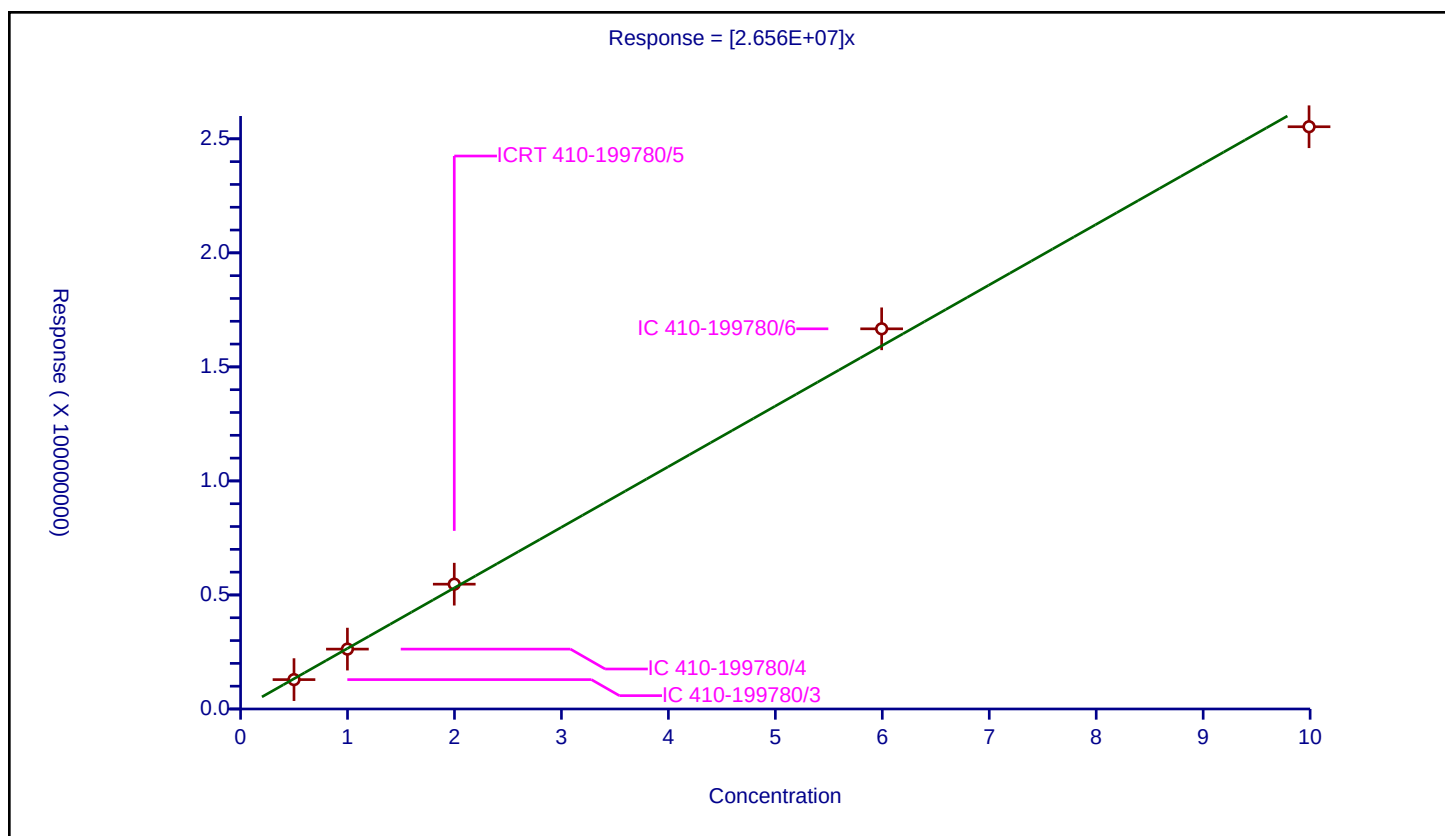
Curve Coefficients

Intercept: 0
 Slope: 2.656E+07

Error Coefficients

Standard Error: 6330000
 Relative Standard Error: 3.7
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-199780/3	0.4995	12875635.0			25777047.047047	Y
2	IC 410-199780/4	0.999	26260000.0			26286286.286286	Y
3	ICRT 410-199780/5	1.998	54727601.0			27391191.691692	Y
4	IC 410-199780/6	5.994	166694565.0			27810237.737738	Y
5	IC 410-199780/7	9.99	255300145.0			25555570.07007	Y



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: ICV 410-199780/10 Calibration Date: 11/30/2021 17:14
Instrument ID: 11000 Calib Start Date: 11/30/2021 15:59
GC Column: Supelcosil ID: 4.60 (mm) Calib End Date: 11/30/2021 16:42
Lab File ID: 03FORM21334001.010.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Ave	214157105	225093562		2.09	1.99	5.1	15.0
Acetaldehyde	Ave	92464779	90464329		1.97	2.01	-2.2	15.0
Glutaraldehyde	Ave	26564067	30180795		2.27	2.00	13.6	15.0
Butyraldehyde	Ave	30512980	32597871		4.27	4.00	6.8	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: ICV 410-199780/10 Calibration Date: 11/30/2021 17:14
Instrument ID: 11000 Calib Start Date: 11/30/2021 15:59
GC Column: Supelcosil ID: 4.60 (mm) Calib End Date: 11/30/2021 16:42
Lab File ID: 03FORM21334001.010.d

Analyte	RT	RT WINDOW	
		FROM	TO
Formaldehyde	2.66	2.41	2.91
Acetaldehyde	3.25	3.00	3.50
Glutaraldehyde	8.83	8.58	9.08
Butyraldehyde	6.19	5.94	6.44

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.010.d
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 30-Nov-2021 17:14:00 ALS Bottle#: 0 Worklist Smp#: 10
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: icv
 Operator ID: 24470 Instrument ID: 11000
 Sublist:

Method: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 30-Nov-2021 19:09:22 Calib Date: 30-Nov-2021 16:42:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1601

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde
 2.662 2.658 0.004 447486001H 1.99 2.09
 2 Acetaldehyde
 3.254 3.250 0.004 181833302H 2.01 1.97
 \$ 3 Butyraldehyde
 6.191 6.187 0.004 130383137H 4.00 4.27
 4 Glutaraldehyde
 8.826 8.830 -0.004 60301229H 2.00 2.27

Reagents:

GCS_FRMICV_00210 Amount Added: 1.00 Units: mL

Report Date: 30-Nov-2021 19:09:32

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.010.d

Injection Date: 30-Nov-2021 17:14:00

Instrument ID: 11000

Lims ID: icv

Client ID:

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 10

Injection Vol: 20.0 ul

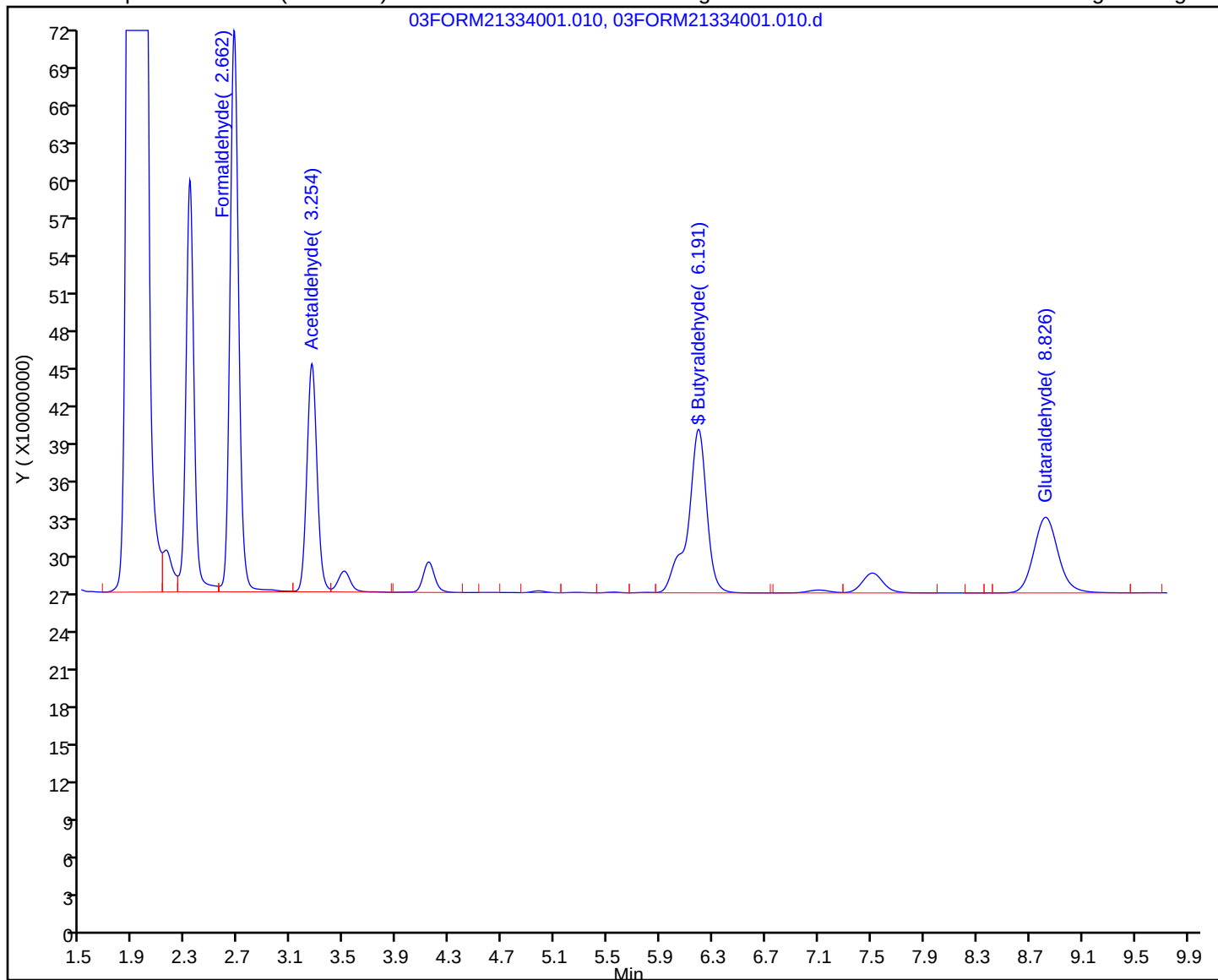
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: CCV 410-199780/19 Calibration Date: 11/30/2021 18:51
Instrument ID: 11000 Calib Start Date: 11/30/2021 15:59
GC Column: Supelcosil ID: 4.60 (mm) Calib End Date: 11/30/2021 16:42
Lab File ID: 03FORM21334001.019.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Ave	214157105	215221518		2.02	2.01	0.5	15.0
Acetaldehyde	Ave	92464779	87849675		1.91	2.01	-5.0	15.0
Glutaraldehyde	Ave	26564067	27641092		2.08	2.00	4.1	15.0
Butyraldehyde	Ave	30512980	29398375		3.85	4.00	-3.7	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1
SDG No.: _____
Lab Sample ID: CCV 410-199780/19 Calibration Date: 11/30/2021 18:51
Instrument ID: 11000 Calib Start Date: 11/30/2021 15:59
GC Column: Supelcosil ID: 4.60 (mm) Calib End Date: 11/30/2021 16:42
Lab File ID: 03FORM21334001.019.d

Analyte	RT	RT WINDOW	
		FROM	TO
Formaldehyde	2.67	2.41	2.91
Acetaldehyde	3.26	3.00	3.50
Glutaraldehyde	8.84	8.58	9.08
Butyraldehyde	6.20	5.94	6.44

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.019.d
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 30-Nov-2021 18:51:00 ALS Bottle#: 0 Worklist Smp#: 19
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV
 Operator ID: 24470 Instrument ID: 11000
 Sublist: chrom-8315A_11000*sub1
 Method: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 30-Nov-2021 19:09:35 Calib Date: 30-Nov-2021 16:42:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1601

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.670	2.658	0.012	432164809H	2.01	2.02	
2 Acetaldehyde						
3.262	3.250	0.012	176577846H	2.01	1.91	
\$ 3 Butyraldehyde						
6.203	6.187	0.016	117585976H	4.00	3.85	
4 Glutaraldehyde						
8.842	8.830	0.012	55226901H	2.00	2.08	

Reagents:

GCS_FRMLV3_00218

Amount Added: 1.00

Units: mL

Report Date: 30-Nov-2021 19:09:35

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.019.d

Injection Date: 30-Nov-2021 18:51:00

Instrument ID: 11000

Lims ID: ccv

Client ID:

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 19

Injection Vol: 20.0 ul

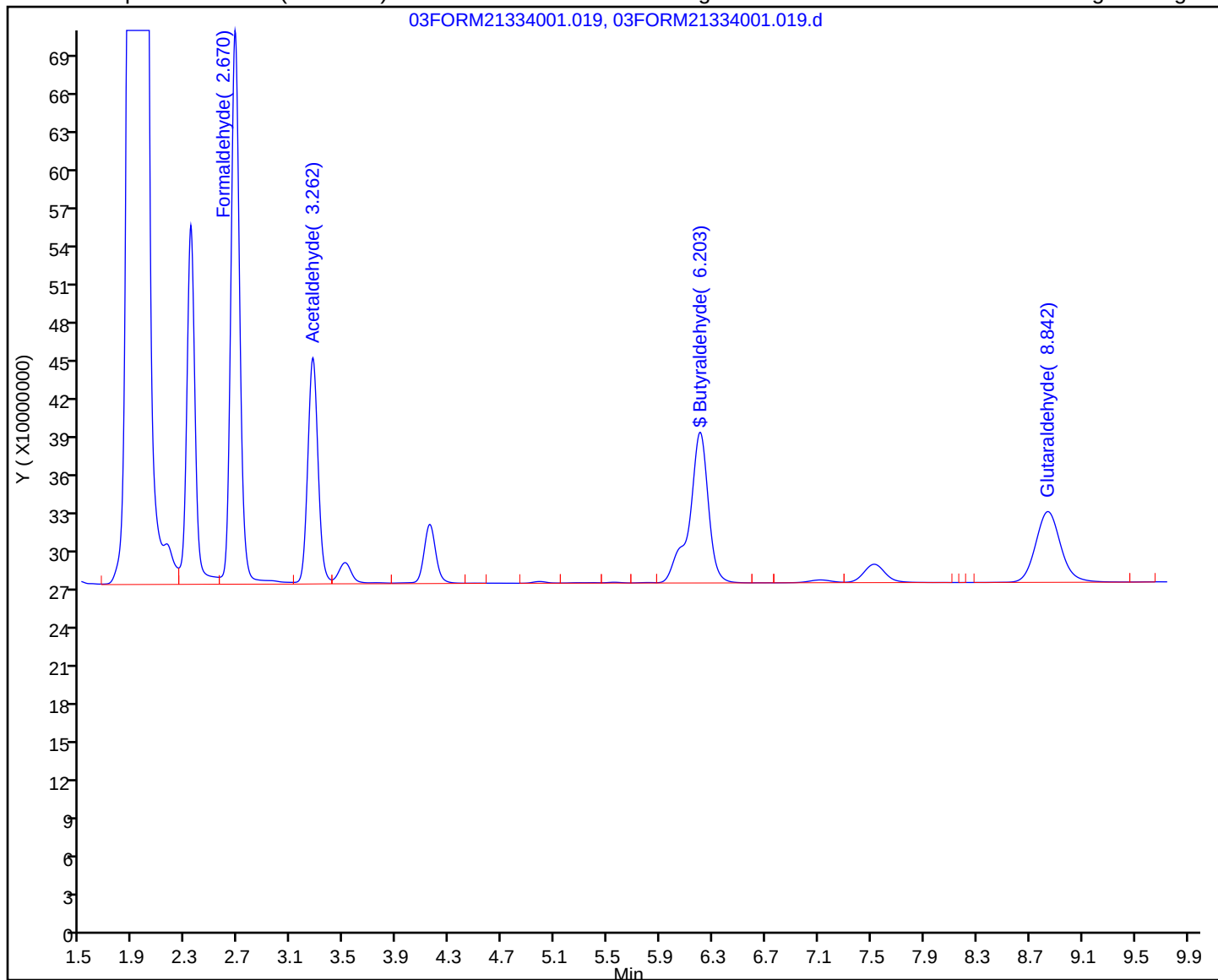
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 410-199500/9-A
Matrix: Water Lab File ID: 03FORM21334001.011.d
Analysis Method: 8315A Date Collected: _____
Extraction Method: 8315A Prep Date Extracted: 11/30/2021 10:33
Sample wt/vol: 100 (mL) Date Analyzed: 11/30/2021 17:25
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 20 (uL) GC Column: Supelcosil ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 199780 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	ND		60	27

CAS NO.	SURROGATE	%REC	Q	LIMITS
123-72-8	Butyraldehyde	99		39-153

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.011.d
 Lims ID: MB 410-199500/9-A
 Client ID:
 Sample Type: MB
 Inject. Date: 30-Nov-2021 17:25:00 ALS Bottle#: 0 Worklist Smp#: 11
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: MB 410-199500/9-A
 Operator ID: 24470 Instrument ID: 11000
 Method: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 30-Nov-2021 19:09:22 Calib Date: 30-Nov-2021 16:42:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1601

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.670	2.658	0.012	23234844H		0.1085	
2 Acetaldehyde						
3.278	3.250	0.028	3198376H		0.0346	
\$ 3 Butyraldehyde						
6.195	6.187	0.008	242309032H	8.00	7.94	
4 Glutaraldehyde						
8.722	8.830	-0.108	601111H		0.002263	

Report Date: 30-Nov-2021 19:09:33

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.011.d

Injection Date: 30-Nov-2021 17:25:00

Instrument ID: 11000

Lims ID: MB 410-199500/9-A

Client ID:

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 11

Injection Vol: 20.0 ul

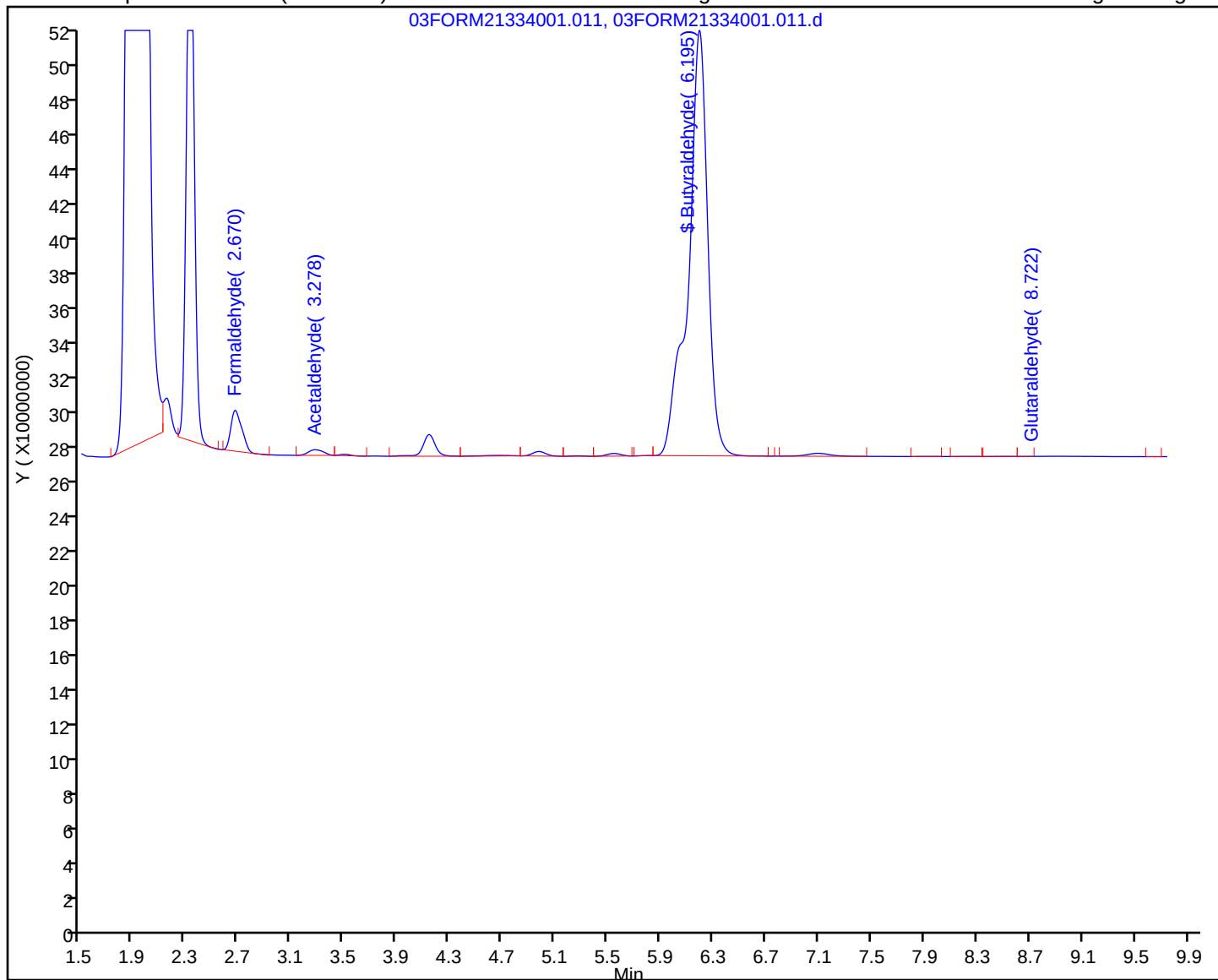
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 410-199500/10-A

Matrix: Water Lab File ID: 03FORM21334001.012.d

Analysis Method: 8315A Date Collected: _____

Extraction Method: 8315A Prep Date Extracted: 11/30/2021 10:33

Sample wt/vol: 100 (mL) Date Analyzed: 11/30/2021 17:36

Con. Extract Vol.: 10 (mL) Dilution Factor: 1

Injection Volume: 20 (uL) GC Column: Supelcosil ID: 4.6 (mm)

% Moisture: _____ GPC Cleanup: (Y/N) N

Analysis Batch No.: 199780 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	479		60	27

CAS NO.	SURROGATE	%REC	Q	LIMITS
123-72-8	Butyraldehyde	95		39-153

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.012.d
 Lims ID: LCS 410-199500/10-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 30-Nov-2021 17:36:00 ALS Bottle#: 0 Worklist Smp#: 12
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 410-199500/10-A
 Operator ID: 24470 Instrument ID: 11000
 Method: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 30-Nov-2021 19:09:22 Calib Date: 30-Nov-2021 16:42:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1601

First Level Reviewer: donovane

Date: 30-Nov-2021 18:16:02

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.670	2.658	0.012	1024903316H	4.97	4.79	
2 Acetaldehyde						
3.258	3.250	0.008	301538645H	5.03	3.26	
\$ 3 Butyraldehyde						
6.195	6.187	0.008	231660561H	8.00	7.59	
4 Glutaraldehyde						
8.834	8.830	0.004	151312873H	5.00	5.70	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Report Date: 30-Nov-2021 19:09:33

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.012.d

Injection Date: 30-Nov-2021 17:36:00

Instrument ID: 11000

Lims ID: LCS 410-199500/10-A

Client ID:

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 12

Injection Vol: 20.0 ul

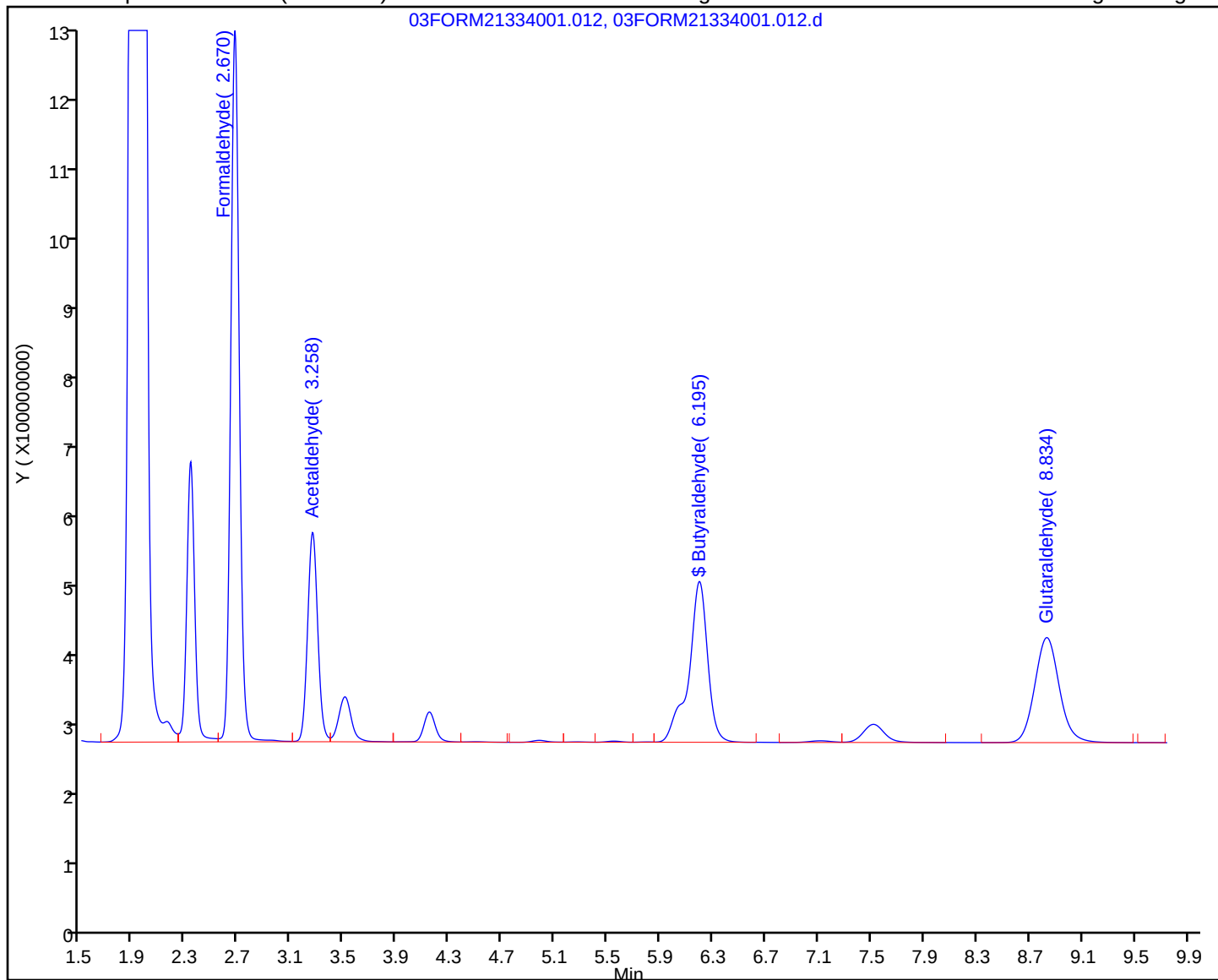
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-63553-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 410-199500/11-A
Matrix: Water Lab File ID: 03FORM21334001.013.d
Analysis Method: 8315A Date Collected: _____
Extraction Method: 8315A Prep Date Extracted: 11/30/2021 10:33
Sample wt/vol: 100 (mL) Date Analyzed: 11/30/2021 17:47
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 20 (uL) GC Column: Supelcosil ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 199780 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	484		60	27

CAS NO.	SURROGATE	%REC	Q	LIMITS
123-72-8	Butyraldehyde	92		39-153

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.013.d
 Lims ID: LCSD 410-199500/11-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 30-Nov-2021 17:47:00 ALS Bottle#: 0 Worklist Smp#: 13
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: LCSD 410-199500/11-A
 Operator ID: 24470 Instrument ID: 11000
 Method: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 30-Nov-2021 19:09:22 Calib Date: 30-Nov-2021 16:42:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1601

First Level Reviewer: donovane

Date: 30-Nov-2021 18:25:22

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.670	2.658	0.012	1036653800H	4.97	4.84	
2 Acetaldehyde						
3.258	3.250	0.008	293765106H	5.03	3.18	
\$ 3 Butyraldehyde						
6.199	6.187	0.012	223641509H	8.00	7.33	
4 Glutaraldehyde						
8.834	8.830	0.004	148111132H	5.00	5.58	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Report Date: 30-Nov-2021 19:09:33

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20211130-45192.b\03FORM21334001.013.d

Injection Date: 30-Nov-2021 17:47:00

Instrument ID: 11000

Lims ID: LCSD 410-199500/11-A

Client ID:

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 13

Injection Vol: 20.0 ul

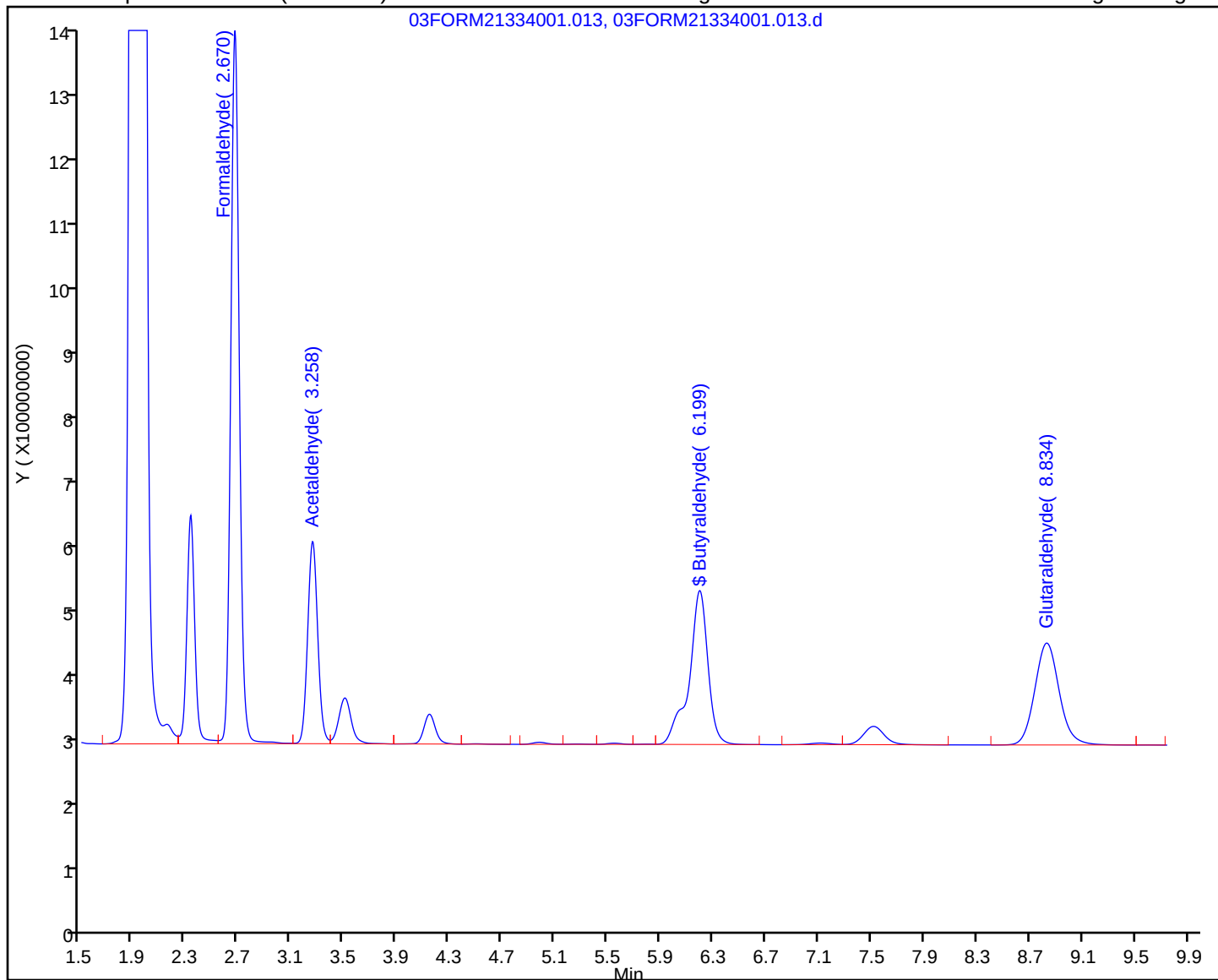
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



HPLC/IC ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-63553-1

SDG No.: _____

Instrument ID: 11000Start Date: 11/30/2021 15:59Analysis Batch Number: 199780End Date: 11/30/2021 18:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 410-199780/3		11/30/2021 15:59	1	03FORM21334001.003.d	Supelcosil 4.6 (mm)
IC 410-199780/4		11/30/2021 16:10	1	03FORM21334001.004.d	Supelcosil 4.6 (mm)
ICRT 410-199780/5		11/30/2021 16:21	1	03FORM21334001.005.d	Supelcosil 4.6 (mm)
IC 410-199780/6		11/30/2021 16:31	1	03FORM21334001.006.d	Supelcosil 4.6 (mm)
IC 410-199780/7		11/30/2021 16:42	1	03FORM21334001.007.d	Supelcosil 4.6 (mm)
ZZZZZ		11/30/2021 16:53	1		Supelcosil 4.6 (mm)
ZZZZZ		11/30/2021 17:04	1		Supelcosil 4.6 (mm)
ICV 410-199780/10		11/30/2021 17:14	1	03FORM21334001.010.d	Supelcosil 4.6 (mm)
MB 410-199500/9-A		11/30/2021 17:25	1	03FORM21334001.011.d	Supelcosil 4.6 (mm)
LCS 410-199500/10-A		11/30/2021 17:36	1	03FORM21334001.012.d	Supelcosil 4.6 (mm)
LCSD 410-199500/11-A		11/30/2021 17:47	1	03FORM21334001.013.d	Supelcosil 4.6 (mm)
ZZZZZ		11/30/2021 17:57	1		Supelcosil 4.6 (mm)
410-63553-1	High Range VOC PT Lot #111021	11/30/2021 18:08	1	03FORM21334001.015.d	Supelcosil 4.6 (mm)
410-63553-2	Low Range VOC PT Lot #111021	11/30/2021 18:19	1	03FORM21334001.016.d	Supelcosil 4.6 (mm)
410-63553-3	Mid Range VOC PT Lot #110921	11/30/2021 18:30	1	03FORM21334001.017.d	Supelcosil 4.6 (mm)
ZZZZZ		11/30/2021 18:40	1		Supelcosil 4.6 (mm)
CCV 410-199780/19		11/30/2021 18:51	1	03FORM21334001.019.d	Supelcosil 4.6 (mm)

HPLC/IC BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-63553-1

SDG No.: _____

Batch Number: 199500 Batch Start Date: 11/30/21 10:33 Batch Analyst: Erickson, AndrewBatch Method: 8315A Prep Batch End Date: 11/30/21 14:19

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	FirstAdjustpH	OP_FORM_SS 00043	OP_FRMMS 00043	AnalysisComment
MB 410-199500/9		8315A Prep, 8315A		100 mL	10 mL	5.0 ± 0.1 SU	1 mL		DI H2O
LCS 410-199500/10		8315A Prep, 8315A		100 mL	10 mL	5.0 ± 0.1 SU	1 mL	1 mL	DI H2O
LCSD 410-199500/11		8315A Prep, 8315A		100 mL	10 mL	5.0 ± 0.1 SU	1 mL	1 mL	DI H2O
410-63553-A-1	High Range VOC PT Lot #111021	8315A Prep, 8315A	T	100 mL	10 mL	5.0 ± 0.1 SU	1 mL		clear
410-63553-A-2	Low Range VOC PT Lot #111021	8315A Prep, 8315A	T	100 mL	10 mL	5.0 ± 0.1 SU	1 mL		clear
410-63553-A-3	Mid Range VOC PT Lot #110921	8315A Prep, 8315A	T	100 mL	10 mL	5.0 ± 0.1 SU	1 mL		clear

Batch Notes	
Eluting Solvent Lot #	Dilute Acetate Buffer-34942112021B
SPE Cartridge Lot ID	6627533-01.
Acetate Buffer Lot #	39576111221B
Acetonitrile ID	215698
DNPH ID	300100921A
Saturated NaCl ID	21246B
Temperature of Sample Shaker	40 Degrees C
Shaker Start Time	11/30/2021 11:59
Shaker End Time	11/30/2021 12:59
pH Meter ID	J15358
Thermometer ID	863889
6M NaOH ID	32227070721A
6M HCL ID	29992062421A

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

AbsoluteGrade PT Program**Data Report Form / Instructions**

Part #38690

Lot # 111021

2 mL

Account # 5404

Invoice # 206999

High Range VOC PT

Company Geosyntec Consultant, Inc.

4 Components

USEPA Lab ID

State Lab ID

in water

SEE MSDS

Evaluation Type WP

External PT

To prepare the sample for analysis, fill a 100 mL volumetric flask approximately 3/4 full with reagent water. Pipette 1 mL of the ampoule's solution into the flask below the water line and dilute to volume. Mix well by inverting the flask several times. Sample is ready for analysis. Report results as ug/L with three figures.

#	Component	Method Code	</>	Reported Number	Analysis Date	Units
4315	Acetone					ug/L
4750	Ethanol					ug/L
4815	Formaldehyde					ug/L
4930	Methanol					ug/L



410-63553 Chain of Custody

Received by [Signature] 11/16/21 11:00

Send completed DATA REPORT FORM TO: Absolute Standards, Inc., PO Box 5585, Hamden, CT 06518, or 44 Rossotto Drive, Hamden, CT 06514, Attn: PT Results.

If you have questions or comments, then please call: Stephen J. Arpie, M.S., Director @ phone (203)-281-2917, fax (203) 281-2922.

NSF: ISO 9001, ANAB: 17025, 17043, 17034, Guide 35 Accredited. Data Report Form, Rev: 3, Date Issued: 12052011 Page 1 Printed: 11/15/2021, 10:02:30 AM

The laboratory under test shall not reveal their results, or any other aspect of the test in which they have participated, to any unauthorized person or other laboratory. All results are confidential!

AbsoluteGrade PT Program**Data Report Form / Instructions**

Part #38689

Lot # 111021

2 mL

Account # 5404

Invoice # 206999

Low Range VOC PT

Company Geosyntec Consultant, Inc.

4 Components

USEPA Lab ID

State Lab ID

in water

SEE MSDS

Evaluation Type WP

External PT

To prepare the sample for analysis, fill a 100 mL volumetric flask approximately 3/4 full with reagent water. Pipette 1 mL of the ampoule's solution into the flask below the water line and dilute to volume. Mix well by inverting the flask several times. Sample is ready for analysis. Report results as ug/L with three figures.

#	Component	Method Code	</>	Reported Number	Analysis Date	Units
4315	Acetone					ug/L
4750	Ethanol					ug/L
4815	Formaldehyde					ug/L
4930	Methanol					ug/L

Received by  11/16/21 11:00

Send completed DATA REPORT FORM TO: Absolute Standards, Inc., PO Box 5585, Hamden, CT 06518, or 44 Rossotto Drive, Hamden, CT 06514, Attn: PT Results.

If you have questions or comments, then please call: Stephen J. Arple, M.S., Director @ phone (203)-281-2917, fax (203) 281-2922.

NSF: ISO 9001, ANAB: 17025, 17043, 17034, Guide 35 Accredited. Data Report Form, Rev: 3, Date Issued: 12052011 Page 1 Printed: 11/15/2021, 10:02:32 AM

The laboratory under test shall not reveal their results, or any other aspect of the test in which they have participated, to any unauthorized person or other laboratory. All results are confidential!

AbsoluteGrade PT Program

Data Report Form / Instructions

Part #38691 Lot # 110921 2 mL Account # 5404 Invoice # 206999
Mid Range VOC PT Company Geosyntec Consultant, Inc.
Formaldehyde USEPA Lab ID State Lab ID
in water SEE MSDS Evaluation Type WP External PT

To prepare the sample for analysis, fill a 100 mL volumetric flask approximately 3/4 full with reagent water. Pipette 1 mL of the ampoule's solution into the flask below the water line and dilute to volume. Mix well by inverting the flask several times. Sample is ready for analysis. Report results as ug/L with three figures.

#	Component	Method Code	</>	Reported Number	Analysis Date	Units
4815	Formaldehyde					ug/L

Received by  11/16/21 1100

Send completed DATA REPORT FORM TO: Absolute Standards, Inc., PO Box 5585, Hamden, CT 06518, or 44 Rossotto Drive, Hamden, CT 06514, Attn: PT Results.

If you have questions or comments, then please call: Stephen J. Arpie, M.S., Director @ phone (203)-281-2917, fax (203) 281-2922.

NSF: ISO 9001, ANAB: 17025, 17043, 17034, Guide 35 Accredited. Data Report Form, Rev: 3, Date Issued: 12052011 Page 1 Printed: 11/15/2021 , 10:02:33 AM

The laboratory under test shall not reveal their results, or any other aspect of the test in which they have participated, to any unauthorized person or other laboratory. All results are confidential

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 410-63553-1

Login Number: 63553

List Number: 1

Creator: Phillips, Ann-Marie E

List Source: Eurofins Lancaster Laboratories Env, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	No ice present, no attempt to chill
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	Thermal preservation not required.
Cooler Temperature is recorded.	N/A	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	False	No date or time on COC or sample containers.
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Non-environmental matrix, sampler is not applicable.
Sample custody seals are intact.	N/A	

ANALYTICAL REPORT

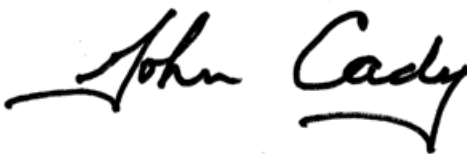
Job Number: 410-68062-1

Job Description: BMS NY Site

For:

Geosyntec Consultants, Inc.
5313 Campbell's Run Road
Suite 150
Pittsburgh, PA 15205

Attention: Margaret Pittman



Approved for release.
John M. Cady
Senior Project Manager
1/11/2022 10:34 AM

John M Cady, Senior Project Manager
2425 New Holland Pike, Lancaster, PA, 17601
(832)763-8082
John.Cady@Eurofinset.com
01/11/2022

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Job Number: 410-68062-1
Job Description: BMS NY Site

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.

- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

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Job Narrative
410-68062-1

Receipt

The samples were received on 12/23/2021 11:29 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

GC/MS VOA

Method 8260C: The following sample was diluted due to the abundance of non-target analytes: Low Range VOC PT Lot# 122121 (410-68062-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-68062-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-68062-1	Low Range VOC PT Lot# 122121	Water	01/06/22 10:00	12/23/21 11:29

Detection Summary

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-68062-1

Client Sample ID: Low Range VOC PT Lot# 122121

Lab Sample ID: 410-68062-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Acetone	62	J cn	100	3.5	ug/L	5			8260C	Total/NA
Methanol (2C)	990	J	1000	220	ug/L	1			8015D	Total/NA

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-68062-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	ELLE
8015D	Nonhalogenated Organic Compounds - Direct Injection (GC)	SW846	ELLE
8315A	Carbonyl Compounds by HPLC	SW846	ELLE
5030C	Purge and Trap	SW846	ELLE
8015 DAI	Preparation, Direct Aqueous Injection	SW846	ELLE
8315A Prep	Solid Phase Extraction (SPE)	SW846	ELLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-68062-1

Client Sample ID: Low Range VOC PT Lot# 122121

Lab Sample ID: 410-68062-1

Date Collected: 01/06/22 10:00

Matrix: Water

Date Received: 12/23/21 11:29

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	62	J cn	100	3.5	ug/L			01/06/22 12:14	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99	cn	80 - 120					01/06/22 12:14	5
4-Bromofluorobenzene (Surr)	99	cn	80 - 120					01/06/22 12:14	5
Dibromofluoromethane (Surr)	100	cn	80 - 120					01/06/22 12:14	5
Toluene-d8 (Surr)	98	cn	80 - 120					01/06/22 12:14	5

Method: 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol (2C)	ND		1000	150	ug/L		01/06/22 10:38	01/06/22 17:10	1
Methanol (2C)	990	J	1000	220	ug/L		01/06/22 10:38	01/06/22 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Acetone (1C)	92		58 - 149				01/06/22 10:38	01/06/22 17:10	1
Acetone (2C)	95		58 - 149				01/06/22 10:38	01/06/22 17:10	1

Method: 8315A - Carbonyl Compounds by HPLC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	ND		60	27	ug/L		01/06/22 10:04	01/06/22 18:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Butyraldehyde	101		39 - 153				01/06/22 10:04	01/06/22 18:27	1

Surrogate Summary

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-68062-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (80-120)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
410-68062-1	Low Range VOC PT Lot# 12212	99 cn	99 cn	100 cn	98 cn
LCS 410-212194/5	Lab Control Sample	100	99	101	98
LCSD 410-212194/6	Lab Control Sample Dup	99	102	102	99
MB 410-212194/8	Method Blank	100	100	99	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	Acetone1 (58-149)	Acetone2 (58-149)
410-68062-1	Low Range VOC PT Lot# 12212	92	95
LCS 410-212303/2-A	Lab Control Sample	85	96
MB 410-212303/1-A	Method Blank	91	98

Surrogate Legend

Acetone = Acetone

Method: 8315A - Carbonyl Compounds by HPLC

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	BTRA (39-153)
410-68062-1	Low Range VOC PT Lot# 12212	101
410-68062-1 DU	Low Range VOC PT Lot# 122121	87
LCS 410-212223/14-A	Lab Control Sample	94
LCSD 410-212223/15-A	Lab Control Sample Dup	93
MB 410-212223/13-A	Method Blank	72

Surrogate Legend

BTRA = Butyraldehyde

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-68062-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-212194/8

Matrix: Water

Analysis Batch: 212194

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	0.70	ug/L			01/06/22 10:35	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120					01/06/22 10:35	1
4-Bromofluorobenzene (Surr)	100		80 - 120					01/06/22 10:35	1
Dibromofluoromethane (Surr)	99		80 - 120					01/06/22 10:35	1
Toluene-d8 (Surr)	98		80 - 120					01/06/22 10:35	1

Lab Sample ID: LCS 410-212194/5

Matrix: Water

Analysis Batch: 212194

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	246		ug/L		98	54 - 157
Surrogate	%Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	100		80 - 120				
4-Bromofluorobenzene (Surr)	99		80 - 120				
Dibromofluoromethane (Surr)	101		80 - 120				
Toluene-d8 (Surr)	98		80 - 120				

Lab Sample ID: LCSD 410-212194/6

Matrix: Water

Analysis Batch: 212194

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	228		ug/L		91	54 - 157	7	30
Surrogate	%Recovery	LCSD Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	99		80 - 120						
4-Bromofluorobenzene (Surr)	102		80 - 120						
Dibromofluoromethane (Surr)	102		80 - 120						
Toluene-d8 (Surr)	99		80 - 120						

Method: 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC)

Lab Sample ID: MB 410-212303/1-A

Matrix: Water

Analysis Batch: 212308

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 212303

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol (2C)	ND		1000	150	ug/L		01/06/22 10:38	01/06/22 12:09	1
Methanol (2C)	ND		1000	220	ug/L		01/06/22 10:38	01/06/22 12:09	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Acetone (1C)	91		58 - 149				01/06/22 10:38	01/06/22 12:09	1
Acetone (2C)	98		58 - 149				01/06/22 10:38	01/06/22 12:09	1

Eurofins Lancaster Laboratories Env, LLC

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-68062-1

Method: 8015D - Nonhalogenated Organic Compounds - Direct Injection (GC) (Continued)

Lab Sample ID: LCS 410-212303/2-A

Matrix: Water

Analysis Batch: 212308

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 212303

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethanol (2C)	2500	2520		ug/L		101	74 - 134
Methanol (2C)	2510	2800		ug/L		112	74 - 134
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Acetone (1C)	85		58 - 149				
Acetone (2C)	96		58 - 149				

Method: 8315A - Carbonyl Compounds by HPLC

Lab Sample ID: MB 410-212223/13-A

Matrix: Water

Analysis Batch: 212475

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 212223

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Formaldehyde	ND		60	27	ug/L		01/06/22 10:04	01/06/22 17:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Butyraldehyde	72		39 - 153				01/06/22 10:04	01/06/22 17:55	1

Lab Sample ID: LCS 410-212223/14-A

Matrix: Water

Analysis Batch: 212475

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 212223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Formaldehyde	497	420		ug/L		85	77 - 122
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Butyraldehyde	94		39 - 153				

Lab Sample ID: LCSD 410-212223/15-A

Matrix: Water

Analysis Batch: 212475

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 212223

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Formaldehyde	497	425		ug/L		86	77 - 122	1	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
Butyraldehyde	93		39 - 153						

Lab Sample ID: 410-68062-1 DU

Matrix: Water

Analysis Batch: 212475

Client Sample ID: Low Range VOC PT Lot# 122121

Prep Type: Total/NA

Prep Batch: 212223

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Formaldehyde	ND		ND		ug/L		NC	30

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-68062-1

Method: 8315A - Carbonyl Compounds by HPLC (Continued)

Lab Sample ID: 410-68062-1 DU
Matrix: Water
Analysis Batch: 212475

Client Sample ID: Low Range VOC PT Lot# 122121
Prep Type: Total/NA
Prep Batch: 212223

	DU	DU	
Surrogate	%Recovery	Qualifier	Limits
Butyraldehyde	87		39 - 153

Definitions/Glossary

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-68062-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-68062-1

GC/MS VOA

Analysis Batch: 212194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-68062-1	Low Range VOC PT Lot# 122121	Total/NA	Water	8260C	
MB 410-212194/8	Method Blank	Total/NA	Water	8260C	
LCS 410-212194/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 410-212194/6	Lab Control Sample Dup	Total/NA	Water	8260C	

GC VOA

Prep Batch: 212303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-68062-1	Low Range VOC PT Lot# 122121	Total/NA	Water	8015 DAI	
MB 410-212303/1-A	Method Blank	Total/NA	Water	8015 DAI	
LCS 410-212303/2-A	Lab Control Sample	Total/NA	Water	8015 DAI	

Analysis Batch: 212308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-68062-1	Low Range VOC PT Lot# 122121	Total/NA	Water	8015D	212303
MB 410-212303/1-A	Method Blank	Total/NA	Water	8015D	212303
LCS 410-212303/2-A	Lab Control Sample	Total/NA	Water	8015D	212303

HPLC/IC

Prep Batch: 212223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-68062-1	Low Range VOC PT Lot# 122121	Total/NA	Water	8315A Prep	
MB 410-212223/13-A	Method Blank	Total/NA	Water	8315A Prep	
LCS 410-212223/14-A	Lab Control Sample	Total/NA	Water	8315A Prep	
LCSD 410-212223/15-A	Lab Control Sample Dup	Total/NA	Water	8315A Prep	
410-68062-1 DU	Low Range VOC PT Lot# 122121	Total/NA	Water	8315A Prep	

Analysis Batch: 212475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-68062-1	Low Range VOC PT Lot# 122121	Total/NA	Water	8315A	212223
MB 410-212223/13-A	Method Blank	Total/NA	Water	8315A	212223
LCS 410-212223/14-A	Lab Control Sample	Total/NA	Water	8315A	212223
LCSD 410-212223/15-A	Lab Control Sample Dup	Total/NA	Water	8315A	212223
410-68062-1 DU	Low Range VOC PT Lot# 122121	Total/NA	Water	8315A	212223

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-68062-1

Client Sample ID: Low Range VOC PT Lot# 122121

Lab Sample ID: 410-68062-1

Date Collected: 01/06/22 10:00

Matrix: Water

Date Received: 12/23/21 11:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	212194	01/06/22 12:14	ULCP	ELLE
Total/NA	Prep	8015 DAI			212303	01/06/22 10:38	LXF2	ELLE
Total/NA	Analysis	8015D		1	212308	01/06/22 17:10	LXF2	ELLE
Total/NA	Prep	8315A Prep			212223	01/06/22 10:04	U9KU	ELLE
Total/NA	Analysis	8315A		1	212475	01/06/22 18:27	GM5C	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Geosyntec Consultants, Inc.
Project/Site: BMS NY Site

Job ID: 410-68062-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	Acetone

Method 8260C

Volatile Organic Compounds (GC/MS)
by Method 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-68062-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): R-624SilMS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
Low Range VOC PT Lot# 122121	410-68062-1	100 cn	99 cn	98 cn	99 cn
	MB 410-212194/8	99	100	98	100
	LCS 410-212194/5	101	100	98	99
	LCSD 410-212194/6	102	99	99	102

DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)

QC LIMITS
80-120
80-120
80-120
80-120

Column to be used to flag recovery values

FORM III

Lab Name: Eurofins Lancaster Laboratories
Env, LLC

Job No.: 410-68062-1

SDG No.:

Matrix: Water Level: Low Lab File ID: WJ06X04.D

Lab ID: LCS 410-212194/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	250	246	98	54-157	

```
# Column to be used to flag recovery and RPD values
```

FORM III

Lab Name: Eurofins Lancaster Laboratories
Env, LLC

Job No.: 410-68062-1

SDG No.:

Matrix: Water Level: Low Lab File ID: WJ06X05.D

Lab ID: LCSD 410-212194/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acetone	250	228	91	7	30	54-157	

```
# Column to be used to flag recovery and RPD values
```

Lab Name: Eurofins Lancaster Laboratories Env, LLC	Job No.: 410-68062-1
SDG No.:	
Lab File ID: WJ06X07.D	Lab Sample ID: MB 410-212194/8
Matrix: Water	Heated Purge:(Y/N) N
Instrument ID: 9137	Date Analyzed: 01/06/2022 10:35
GC Column: R-624SilMS 30m ID: 0.25 (mm)	

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-212194/5	WJ06X04.D	01/06/2022 09:36
	LCSD 410-212194/6	WJ06X05.D	01/06/2022 09:56
Low Range VOC PT Lot# 122121	410-68062-1	WJ06X12.D	01/06/2022 12:14

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1

SDG No.: _____

Lab File ID: WD15T01.D BFB Injection Date: 12/15/2021

Instrument ID: 9137 BFB Injection Time: 11:04

Analysis Batch No.: 205625

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.0
75	30.0 - 60.0 % of mass 95	49.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	77.1
175	5.0 - 9.0 % of mass 174	6.0 (7.7) 1
176	95.0 - 101.0 % of mass 174	73.4 (95.2) 1
177	5.0 - 9.0 % of mass 176	4.8 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 410-205625/11	WD15I11.D	12/15/2021	14:37
	IC 410-205625/12	WD15I12.D	12/15/2021	14:57
	ICIS 410-205625/13	WD15I13.D	12/15/2021	15:17
	IC 410-205625/14	WD15I14.D	12/15/2021	15:36
	IC 410-205625/15	WD15I15.D	12/15/2021	15:56
	IC 410-205625/16	WD15I16.D	12/15/2021	16:16
	IC 410-205625/17	WD15I17.D	12/15/2021	16:35
	ICV 410-205625/18	WD15V11.D	12/15/2021	16:55

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1

SDG No.: _____

Lab File ID: WJ06T01.D BFB Injection Date: 01/06/2022

Instrument ID: 9137 BFB Injection Time: 08:19

Analysis Batch No.: 212194

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.1
75	30.0 - 60.0 % of mass 95	47.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.8
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	78.3
175	5.0 - 9.0 % of mass 174	6.0 (7.6) 1
176	95.0 - 101.0 % of mass 174	75.4 (96.4) 1
177	5.0 - 9.0 % of mass 176	5.2 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-212194/3	WJ06X02.D	01/06/2022	8:57
	LCS 410-212194/5	WJ06X04.D	01/06/2022	9:36
	LCSD 410-212194/6	WJ06X05.D	01/06/2022	9:56
	MB 410-212194/8	WJ06X07.D	01/06/2022	10:35
Low Range VOC PT Lot# 122121	410-68062-1	WJ06X12.D	01/06/2022	12:14

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
 SDG No.: _____
 Sample No.: ICIS 410-205625/13 Date Analyzed: 12/15/2021 15:17
 Instrument ID: 9137 GC Column: R-624SilMS 30m ID: 0.25 (mm)
 Lab File ID (Standard): WD15I13.D Heated Purge: (Y/N) N
 Calibration ID: 34018

	TBAd10		FB		CBZd5		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	372193	2.83	1182847	5.12	855255	8.23	
UPPER LIMIT	744386	3.33	2365694	5.62	1710510	8.73	
LOWER LIMIT	186097	2.33	591424	4.62	427628	7.73	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-205625/18		347042	2.83	1186131	5.12	866634	8.23
CCVIS 410-212194/3		380130	2.82	1124750	5.12	851422	8.23

TBAd10 = t-Butyl alcohol-d10 (IS)

FB = Fluorobenzene (IS)

CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
 SDG No.: _____
 Sample No.: ICIS 410-205625/13 Date Analyzed: 12/15/2021 15:17
 Instrument ID: 9137 GC Column: R-624SilMS 30m ID: 0.25 (mm)
 Lab File ID (Standard): WD15I13.D Heated Purge: (Y/N) N
 Calibration ID: 34018

	DCBd4					
	AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT	475362	10.10				
UPPER LIMIT	950724	10.60				
LOWER LIMIT	237681	9.60				
LAB SAMPLE ID	CLIENT SAMPLE ID					
ICV 410-205625/18		489112 10.10				
CCVIS 410-212194/3		480772 10.10				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
 SDG No.: _____
 Sample No.: CCVIS 410-212194/3 Date Analyzed: 01/06/2022 08:57
 Instrument ID: 9137 GC Column: R-624SilMS 30m ID: 0.25 (mm)
 Lab File ID (Standard): WJ06X02.D Heated Purge: (Y/N) N
 Calibration ID: 34018

		TBAd10		FB		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		380130	2.82	1124750	5.12	851422	8.23
UPPER LIMIT		760260	3.32	2249500	5.62	1702844	8.73
LOWER LIMIT		190065	2.32	562375	4.62	425711	7.73
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-212194/5		389728	2.83	1125138	5.12	852281	8.23
LCSD 410-212194/6		397377	2.82	1117209	5.12	854064	8.23
MB 410-212194/8		374735	2.83	1111340	5.12	831094	8.23
410-68062-1	Low Range VOC PT Lot# 122121	361282	2.83	1077118	5.12	805543	8.23

TBAd10 = t-Butyl alcohol-d10 (IS)

FB = Fluorobenzene (IS)

CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
 SDG No.: _____
 Sample No.: CCVIS 410-212194/3 Date Analyzed: 01/06/2022 08:57
 Instrument ID: 9137 GC Column: R-624SilMS 30m ID: 0.25 (mm)
 Lab File ID (Standard): WJ06X02.D Heated Purge: (Y/N) N
 Calibration ID: 34018

		DCBd4					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		480772	10.10				
UPPER LIMIT		961544	10.60				
LOWER LIMIT		240386	9.60				
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-212194/5		476807	10.10				
LCSD 410-212194/6		486754	10.10				
MB 410-212194/8		460097	10.10				
410-68062-1	Low Range VOC PT Lot# 122121	453862	10.10				

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
 RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1

SDG No.:

Client Sample ID: Low Range VOC PT Lot# Lab Sample ID: 410-68062-1
122121

Matrix: Water Lab File ID: WJ06X12.D

Analysis Method: 8260C Date Collected: 01/06/2022 10:00

Sample wt/vol: 5 (mL) Date Analyzed: 01/06/2022 12:14

Soil Aliquot Vol: Dilution Factor: 5

Soil Extract Vol.: GC Column: R-624SilMS 30m ID: 0.25 (mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 212194 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	62	J cn	100	3.5

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99	cn	80-120
460-00-4	4-Bromofluorobenzene (Surr)	99	cn	80-120
1868-53-7	Dibromofluoromethane (Surr)	100	cn	80-120
2037-26-5	Toluene-d8 (Surr)	98	cn	80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\WJ06X12.D
 Lims ID: 410-68062-A-1
 Client ID: Low Range VOC PT Lot# 122121
 Sample Type: Client
 Inject. Date: 06-Jan-2022 12:14:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 5.0000
 Sample Info: 410-0047855-013
 Operator ID: lcp00895 Instrument ID: 9137
 Method: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\MSVoa_9137.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Jan-2022 18:29:52 Calib Date: 15-Dec-2021 16:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15117.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1664

First Level Reviewer: spositok

Date: 06-Jan-2022 13:20:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
22 Acetone	58	2.435	2.426	0.009	90	16088	12.4	
* 30 t-Butyl alcohol-d10 (IS)	65	2.830	2.824	0.006	98	361282	250.0	
\$ 50 Dibromofluoromethane (Surr)	113	4.444	4.444	0.000	94	251773	50.0	
\$ 57 1,2-Dichloroethane-d4 (Surr)	102	4.778	4.778	0.000	78	69149	49.5	
* 61 Fluorobenzene (IS)	96	5.118	5.118	0.000	98	1077118	50.0	
\$ 79 Toluene-d8 (Surr)	98	6.780	6.784	-0.004	93	1115904	49.1	
* 94 Chlorobenzene-d5 (IS)	117	8.227	8.228	-0.001	87	805543	50.0	
\$ 106 4-Bromofluorobenzene (Surr)	95	9.222	9.222	0.000	90	402252	49.4	
* 124 1,4-Dichlorobenzene-d4	152	10.095	10.095	0.000	95	453862	50.0	

QC Flag Legend

Processing Flags

Reagents:

MSV_HP18_ISSS_00023

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 06-Jan-2022 18:42:27

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\WJ06X12.D

Injection Date: 06-Jan-2022 12:14:30

Instrument ID: 9137

Operator ID: lcp00895

Lims ID: 410-68062-A-1

Lab Sample ID: 410-68062-1

Worklist Smp#: 13

Client ID: Low Range VOC PT Lot# 122121

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

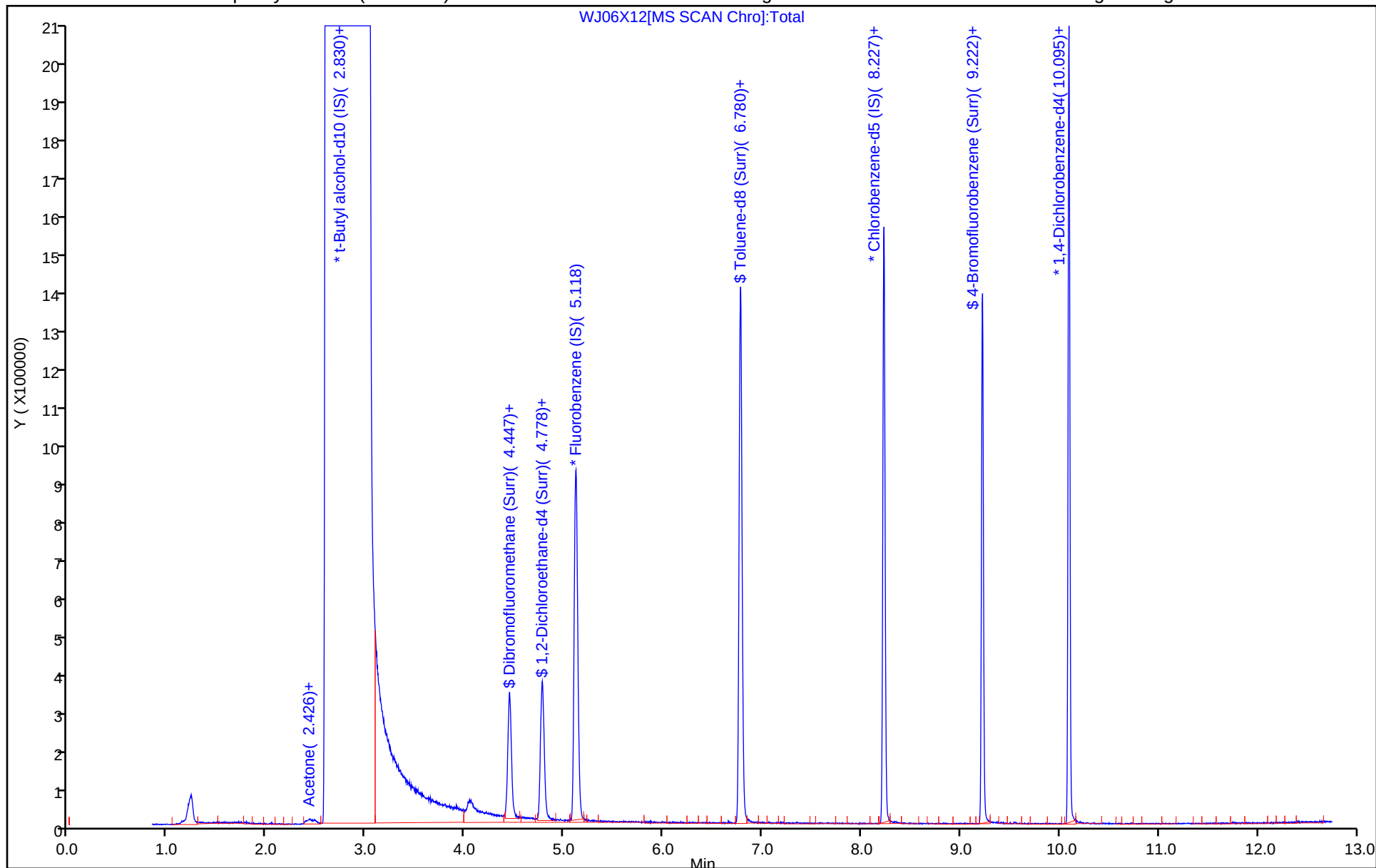
ALS Bottle#: 12

Method: MSVoa_9137

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\WJ06X12.D

Injection Date: 06-Jan-2022 12:14:30

Instrument ID: 9137

Lims ID: 410-68062-A-1

Lab Sample ID: 410-68062-1

Client ID: Low Range VOC PT Lot# 122121

Operator ID: lcp00895

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 5.000 mL

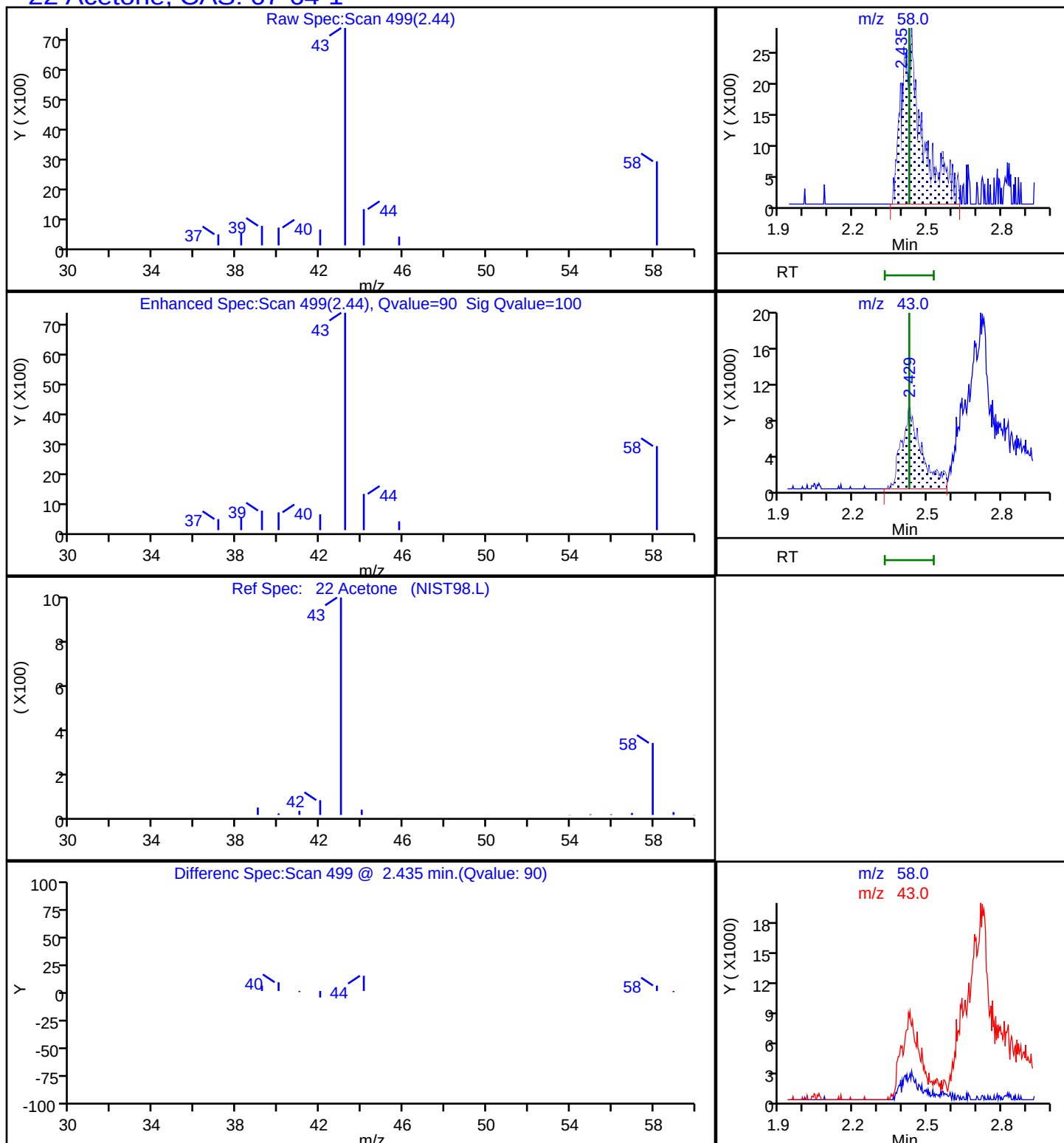
Dil. Factor: 5.0000

Method: MSVoa_9137

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

22 Acetone, CAS: 67-64-1

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-205625/17	WD15I17.D
Level 2	IC 410-205625/16	WD15I16.D
Level 3	IC 410-205625/15	WD15I15.D
Level 4	IC 410-205625/14	WD15I14.D
Level 5	ICIS 410-205625/13	WD15I13.D
Level 6	IC 410-205625/12	WD15I12.D
Level 7	IC 410-205625/11	WD15I11.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2994 0.3535	0.3946 0.3480	0.3321	0.3769	0.3605	Ave		0.352 1			0.1000	8.7		20.0			
Chloromethane	0.5440 0.4193	0.5162 0.4381	0.4798	0.4769	0.4370	Ave		0.473 0			0.1000	9.6		20.0			
1,3-Butadiene	0.5218 0.4398	0.5367 0.4394	0.4732	0.4940	0.4416	Ave		0.478 1				8.5		20.0			
Vinyl chloride	0.4929 0.4355	0.5200 0.4324	0.4806	0.4827	0.4488	Ave		0.470 4			0.1000	6.9		20.0			
Bromomethane	0.2689 0.2474	0.2887 0.2512	0.2773	0.2803	0.2555	Ave		0.267 0			0.1000	6.0		20.0			
Chloroethane	0.2482 0.2474	0.2980 0.2444	0.2716	0.2696	0.2483	Ave		0.261 1			0.1000	7.6		20.0			
Dichlorofluoromethane	0.5599 0.5391	0.6289 0.5311	0.5967	0.5943	0.5487	Ave		0.571 3			0.1000	6.3		20.0			
n-Pentane	0.5707 0.6454	0.6564 0.6345	0.6101	0.6067	0.6366	Ave		0.622 9				4.7		20.0			
Trichlorofluoromethane	0.4479 0.4730	0.5195 0.4642	0.4944	0.5022	0.4759	Ave		0.482 4			0.1000	5.1		20.0			
Ethanol	0.1070 0.0901	0.0977 0.0902	0.0916	0.0900	0.0942	Ave		0.094 4				6.6		20.0			
Freon 123a	0.3997 0.3857	0.4344 0.3791	0.4135	0.4281	0.3863	Ave		0.403 8				5.4		20.0			
Acrolein	1.8307 1.9340	1.9089 2.0221	1.8580	1.9035	1.9029	Ave		1.908 6				3.2		20.0			
1,1-Dichloroethene	0.2525 0.2653	0.2752 0.2565	0.2761	0.2519	0.2614	Ave		0.262 7			0.1000	3.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Freon 113	0.1981 0.2646	0.2471 0.2472	0.2505	0.2481	0.2613	Ave		0.245 3			0.1000	9.0		20.0			
Acetone	1.0458 0.8758	0.9499 0.9011	0.8570	0.8187	0.8560	Ave		0.900 6			0.1000	8.4		20.0			
2-Propanol	0.6240 0.7357	0.5681 0.7336	0.5825	0.5831	0.6832	Ave		0.644 3				11.3		20.0			
Methyl iodide	0.4261 0.4090	0.4362 0.4018	0.4125	0.4068	0.4090	Ave		0.414 5				2.9		20.0			
Carbon disulfide	0.7302 0.7534	0.8105 0.7336	0.7562	0.7412	0.7573	Ave		0.754 6			0.1000	3.6		20.0			
Allyl chloride	0.5213 0.5382	0.5511 0.5248	0.5525	0.5395	0.5349	Ave		0.537 5				2.2		20.0			
Methyl acetate	0.5099 0.4247	0.4021 0.4157	0.3906	0.3992	0.4265	Ave		0.424 1			0.1000	9.5		20.0			
Methylene Chloride	0.3256 0.2930	0.2981 0.2864	0.2972	0.2947	0.2912	Ave		0.298 0			0.1000	4.3		20.0			
t-Butyl alcohol	1.1659 1.2608	1.1647 1.0891	1.2802	1.2840	1.3170	Ave		1.223 1				6.8		20.0			
Acrylonitrile	0.2159 0.2029	0.2126 0.2056	0.2056	0.2058	0.2006	Ave		0.207 0				2.6		20.0			
Methyl tertiary butyl ether	0.9987 0.9264	0.9926 0.9080	0.9409	0.9212	0.9240	Ave		0.944 5			0.1000	3.8		20.0			
trans-1,2-Dichloroethene	0.2958 0.2833	0.2921 0.2769	0.2794	0.2763	0.2797	Ave		0.283 4			0.1000	2.7		20.0			
n-Hexane	0.4620 0.5560	0.5358 0.5346	0.5116	0.5244	0.5410	Ave		0.523 6				5.8		20.0			
1,1-Dichloroethane	0.5210 0.5574	0.6016 0.5425	0.5656	0.5541	0.5524	Ave		0.556 4			0.2000	4.4		20.0			
di-Isopropyl ether	1.1402 1.0790	1.1382 1.0481	1.0948	1.0853	1.0670	Ave		1.093 2				3.2		20.0			
2-Chloro-1,3-butadiene	0.4744 0.5025	0.5108 0.4859	0.5073	0.4848	0.4979	Ave		0.494 8				2.7		20.0			
Ethyl t-butyl ether	1.0785 0.9839	1.0235 0.9469	0.9963	0.9842	0.9737	Ave		0.998 2				4.2		20.0			
2-Butanone	0.3242 0.2977	0.3209 0.2941	0.3076	0.3113	0.3023	Ave		0.308 3			0.1000	3.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,2-Dichloroethene	0.3331 0.3065	0.3145 0.2955	0.3038	0.2973	0.2946	Ave		0.306 5			0.1000	4.5		20.0			
2,2-Dichloropropane	0.4804 0.4473	0.4671 0.4296	0.4531	0.4415	0.4460	Ave		0.452 1				3.7		20.0			
Propionitrile	1.2727 1.3928	1.3856 1.4140	1.3763	1.3778	1.3743	Ave		1.370 5				3.3		20.0			
Methacrylonitrile	0.1991 0.2081	0.2065 0.2044	0.2102	0.2121	0.2074	Ave		0.206 8				2.0		20.0			
Bromochloromethane	0.1420 0.1458	0.1502 0.1429	0.1416	0.1439	0.1423	Ave		0.144 1				2.1		20.0			
Tetrahydrofuran	1.1852 1.2548	1.2485 1.2797	1.1164	1.1570	1.1892	Ave		1.204 4				4.9		20.0			
Chloroform	0.4931 0.4769	0.4829 0.4646	0.4815	0.4784	0.4739	Ave		0.478 7			0.2000	1.8		20.0			
1,1,1-Trichloroethane	0.3903 0.4398	0.4501 0.4199	0.4351	0.4242	0.4376	Ave		0.428 2			0.1000	4.5		20.0			
Cyclohexane	0.5496 0.6631	0.6473 0.6222	0.6369	0.6371	0.6552	Ave		0.630 2			0.1000	6.0		20.0			
1,1-Dichloropropene	0.3777 0.4354	0.4456 0.4173	0.4293	0.4190	0.4344	Ave		0.422 7				5.2		20.0			
Carbon tetrachloride	0.3107 0.3652	0.3706 0.3465	0.3474	0.3573	0.3604	Ave		0.351 2			0.1000	5.7		20.0			
Isobutyl alcohol	0.3888 0.4006	0.4070 0.3987	0.3807	0.4059	0.3977	Ave		0.397 1				2.4		20.0			
Benzene	1.2473 1.2357	1.3031 1.1914	1.2394	1.2168	1.2256	Ave		1.237 1			0.5000	2.8		20.0			
1,2-Dichloroethane	0.4349 0.3846	0.4082 0.3782	0.3923	0.3825	0.3811	Ave		0.394 6			0.1000	5.2		20.0			
t-Amyl methyl ether	0.9756 0.9352	0.9931 0.8966	0.9493	0.9369	0.9319	Ave		0.945 5				3.3		20.0			
n-Heptane	0.5269 0.6217	0.5707 0.6016	0.5768	0.5766	0.5975	Ave		0.581 7				5.2		20.0			
n-Butanol	0.2907 0.3505	0.3299 0.3292	0.3410	0.3555	0.3450	Ave		0.334 5				6.5		20.0			
Trichloroethene	0.2847 0.2997	0.3152 0.2924	0.2930	0.2894	0.2956	Ave		0.295 7			0.2000	3.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methylcyclohexane	0.6061 0.6427	0.6191 0.6072	0.6019	0.6030	0.6271	Ave		0.615 3			0.1000	2.5		20.0			
1,2-Dichloropropane	0.3377 0.3355	0.3455 0.3331	0.3413	0.3343	0.3319	Ave		0.337 0			0.1000	1.4		20.0			
t-Amyl ethyl ether	0.4543 0.4702	0.4682 0.4601	0.4655	0.4564	0.4568	Ave		0.461 6				1.4		20.0			
Dibromomethane	0.1904 0.1822	0.1867 0.1788	0.1827	0.1792	0.1771	Ave		0.182 4				2.6		20.0			
Methyl methacrylate	0.2964 0.3217	0.3140 0.3146	0.3091	0.3109	0.3145	Ave		0.311 6				2.5		20.0			
1,4-Dioxane	0.0623 0.0732	0.0733 0.0675	0.0703	0.0732	0.0727	Ave		0.070 4			0.0050	5.9		20.0			
Bromodichloromethane	0.3233 0.3555	0.3578 0.3517	0.3454	0.3447	0.3458	Ave		0.346 3			0.2000	3.3		20.0			
2-Nitropropane	1.7751 2.1400	1.9756 2.1669	1.8088	1.9015	2.0077	Ave		1.967 9				7.7		20.0			
2-Chloroethyl vinyl ether	0.2323 0.2757	0.2781 0.2726	0.2722	0.2639	0.2759	Ave		0.267 2				6.0		20.0			
cis-1,3-Dichloropropene	0.4548 0.5050	0.5086 0.5038	0.4923	0.4891	0.4910	Ave		0.492 1			0.2000	3.7		20.0			
4-Methyl-2-pentanone	0.5823 0.5834	0.5890 0.5628	0.6033	0.5968	0.5934	Ave		0.587 3			0.1000	2.2		20.0			
Toluene	1.1688 1.0428	1.1478 1.0131	1.0549	1.0679	1.0487	Ave		1.077 7			0.4000	5.4		20.0			
trans-1,3-Dichloropropene	0.5643 0.6346	0.6203 0.6255	0.5874	0.6035	0.6226	Ave		0.608 3			0.1000	4.1		20.0			
Ethyl methacrylate	0.6081 0.7078	0.6681 0.6931	0.6670	0.7007	0.7043	Ave		0.678 4				5.2		20.0			
1,1,2-Trichloroethane	0.3316 0.3701	0.3664 0.3641	0.3655	0.3704	0.3681	Ave		0.362 3			0.1000	3.8		20.0			
Tetrachloroethene	0.4171 0.4338	0.4392 0.4232	0.4348	0.4235	0.4340	Ave		0.429 4			0.2000	1.9		20.0			
1,3-Dichloropropane	0.6721 0.6586	0.6904 0.6464	0.6584	0.6546	0.6582	Ave		0.662 7				2.2		20.0			
2-Hexanone	0.5482 0.6033	0.5997 0.5785	0.6138	0.6303	0.6350	Ave		0.601 3			0.1000	5.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dibromochloromethane	0.3578 0.3872	0.3525 0.3869	0.3672	0.3724	0.3792	Ave		0.371 9				3.7		20.0			
1,2-Dibromoethane	0.4092 0.3980	0.3788 0.3896	0.3878	0.3886	0.3934	Ave		0.392 2			0.1000	2.4		20.0			
1-Chlorohexane	0.5900 0.5863	0.5882 0.5666	0.5736	0.5706	0.5810	Ave		0.579 5				1.6		20.0			
Chlorobenzene	1.0830 1.0766	1.1455 1.0511	1.0923	1.0769	1.0799	Ave		1.086 5			0.5000	2.7		20.0			
1,1,1,2-Tetrachloroethane	0.3539 0.3662	0.3633 0.3589	0.3607	0.3630	0.3668	Ave		0.361 8				1.2		20.0			
Ethylbenzene	1.9145 1.9445	2.0441 1.8324	1.9917	1.9719	1.9823	Ave		1.954 5			0.1000	3.4		20.0			
m&p-Xylene	0.7265 0.7587	0.7720 0.7240	0.7671	0.7568	0.7688	Ave		0.753 4			0.1000	2.7		20.0			
o-Xylene	0.7388 0.7527	0.7584 0.7302	0.7473	0.7708	0.7574	Ave		0.750 8			0.3000	1.8		20.0			
Styrene	1.1942 1.2540	1.2272 1.2232	1.1915	1.2289	1.2421	Ave		1.223 0			0.3000	1.9		20.0			
Bromoform	0.2292 0.2998	0.2712 0.3017	0.2639	0.2785	0.2983	Ave		0.277 5			0.1000	9.4		20.0			
Isopropylbenzene	1.7399 1.9571	2.0654 1.8094	1.9483	1.9556	1.9901	Ave		1.923 7			0.1000	5.8		20.0			
Cyclohexanone	0.3137 0.3141	0.2909 0.2790	0.3070	0.3071	0.3227	Ave		0.304 9				4.9		20.0			
Bromobenzene	0.7714 0.8051	0.8524 0.7806	0.7793	0.7794	0.8081	Ave		0.796 6				3.6		20.0			
1,1,2,2-Tetrachloroethane	1.1653 1.1613	1.2114 1.1091	1.1561	1.1519	1.1823	Ave		1.162 5			0.3000	2.7		20.0			
1,2,3-Trichloropropane	0.3326 0.3332	0.3661 0.3205	0.3394	0.3428	0.3404	Ave		0.339 3				4.1		20.0			
trans-1,4-Dichloro-2-butene	0.3548 0.4110	0.3928 0.3956	0.3945	0.4134	0.4069	Ave		0.395 6				5.0		20.0			
N-Propylbenzene	3.7609 4.1372	4.3970 3.6302	4.0698	4.0703	4.1501	Ave		4.030 8				6.4		20.0			
2-Chlorotoluene	0.7385 0.7936	0.8471 0.7611	0.7806	0.7742	0.8028	Ave		0.785 4				4.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	2.6042 2.9519	2.9962 2.7029	2.8407	2.8745	2.9613	Ave		2.847 4				5.1		20.0			
4-Chlorotoluene	0.6751 0.8045	0.8557 0.7848	0.7913	0.8097	0.8132	Ave		0.790 6				7.1		20.0			
tert-Butylbenzene	0.5487 0.6174	0.6233 0.5914	0.5884	0.5934	0.5985	Ave		0.594 4				4.1		20.0			
1,2,4-Trimethylbenzene	2.5835 3.0059	3.0436 2.7674	2.9127	2.9642	3.0012	Ave		2.896 9				5.7		20.0			
sec-Butylbenzene	3.1799 3.7061	3.7297 3.3143	3.5402	3.5669	3.7411	Ave		3.539 7				6.2		20.0			
1,3-Dichlorobenzene	1.4425 1.5741	1.6372 1.4948	1.5428	1.5141	1.5636	Ave		1.538 4			0.6000	4.1		20.0			
p-Isopropyltoluene	2.6748 3.1722	3.1353 2.8921	2.9692	3.0265	3.1621	Ave		3.004 6				6.0		20.0			
1,4-Dichlorobenzene	1.6043 1.5972	1.6868 1.5246	1.5767	1.5600	1.6074	Ave		1.593 8			0.5000	3.2		20.0			
1,2,3-Trimethylbenzene	2.6706 3.0263	3.1938 2.7550	3.0104	3.0183	3.0404	Ave		2.959 3				6.1		20.0			
Benzyl chloride	1.9766 2.4265	2.2406 2.2840	2.2453	2.2786	2.3975	Ave		2.264 2				6.5		20.0			
1,3-Diethylbenzene	1.5964 1.8920	1.8528 1.7925	1.7888	1.8070	1.8962	Ave		1.803 7				5.6		20.0			
1,4-Diethylbenzene	1.5533 1.9666	1.8866 1.8722	1.8582	1.8696	1.9823	Ave		1.855 5				7.7		20.0			
n-Butylbenzene	1.2071 1.6037	1.5355 1.5331	1.4712	1.4956	1.5939	Ave		1.491 5				9.0		20.0			
1,2-Dichlorobenzene	1.4795 1.5404	1.5286 1.4714	1.5313	1.5065	1.5469	Ave		1.514 9			0.4000	2.0		20.0			
1,2-Diethylbenzene	1.3448 1.5898	1.5957 1.5118	1.5118	1.5392	1.5990	Ave		1.527 5				5.8		20.0			
1,2-Dibromo-3-Chloropropane	0.3234 0.2996	0.2957 0.2851	0.2959	0.2914	0.3069	Ave		0.299 7			0.0500	4.1		20.0			
1,3,5-Trichlorobenzene	0.9657 1.1865	1.1951 1.1478	1.1030	1.1483	1.1814	Ave		1.132 6				7.1		20.0			
1,2,4-Trichlorobenzene	1.0692 1.1311	1.1034 1.1023	1.0685	1.0773	1.1276	Ave		1.097 1			0.2000	2.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexachlorobutadiene	0.4079 0.4694	0.4326 0.4504	0.4047	0.4372	0.4554	Ave		0.436 8				5.5		20.0			
Naphthalene	3.8218 3.9826	4.0288 3.5275	3.9365	3.9840	4.0375	Ave		3.902 7				4.6		20.0			
1,2,3-Trichlorobenzene	1.0253 1.0886	1.1279 1.0524	1.0626	1.0588	1.0964	Ave		1.073 2				3.1		20.0			
2-Methylnaphthalene	1.8690 2.3854	2.0372 2.2113	2.1101	2.1755	2.3377	Ave		2.160 9				8.2		20.0			
Dibromofluoromethane (Surr)	0.2344 0.2355	0.2334 0.2306	0.2375	0.2315	0.2331	Ave		0.233 7				1.0		20.0			
1,2-Dichloroethane-d4 (Surr)	0.0658 0.0642	0.0649 0.0635	0.0653	0.0649	0.0654	Ave		0.064 9				1.2		20.0			
Toluene-d8 (Surr)	1.4039 1.4056	1.4033 1.4025	1.4136	1.4297	1.4155	Ave		1.410 6				0.7		20.0			
4-Bromofluorobenzene (Surr)	0.4983 0.4990	0.5056 0.5076	0.5063	0.5147	0.5036	Ave		0.505 0				1.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-205625/17	WD15I17.D
Level 2	IC 410-205625/16	WD15I16.D
Level 3	IC 410-205625/15	WD15I15.D
Level 4	IC 410-205625/14	WD15I14.D
Level 5	ICIS 410-205625/13	WD15I13.D
Level 6	IC 410-205625/12	WD15I12.D
Level 7	IC 410-205625/11	WD15I11.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	6997 849030	37605 2529913	78651	179058	426441	1.00 100	4.00 300	10.0	20.0	50.0
Chloromethane	FB	Ave	12711 1006895	49199 3185035	113634	226597	516926	1.00 100	4.00 300	10.0	20.0	50.0
1,3-Butadiene	FB	Ave	12193 1056307	51152 3195119	112069	234721	522293	1.00 100	4.00 300	10.0	20.0	50.0
Vinyl chloride	FB	Ave	11517 1045947	49558 3143798	113820	229338	530871	1.00 100	4.00 300	10.0	20.0	50.0
Bromomethane	FB	Ave	6284 594171	27516 1826477	65673	133174	302159	1.00 100	4.00 300	10.0	20.0	50.0
Chloroethane	FB	Ave	5799 594138	28401 1776926	64323	128077	293736	1.00 100	4.00 300	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	13083 1294620	59937 3861830	141309	282397	648994	1.00 100	4.00 300	10.0	20.0	50.0
n-Pentane	FB	Ave	13335 1550062	62555 4613330	144488	288248	753050	1.00 100	4.00 300	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	10466 1135885	49510 3375202	117078	238634	562927	1.00 100	4.00 300	10.0	20.0	50.0
Ethanol	TBAd 10	Ave	10423 320439	36638 945216	71674	136806	175385	62.5 2500	250 7500	500	1000	1250
Freon 123a	FB	Ave	9339 926289	41402 2756286	97923	203392	456875	1.00 100	4.00 300	10.0	20.0	50.0
Acrolein	TBAd 10	Ave	28604 2756431	114772 8496790	291380	579837	1419527	10.0 1002	40.1 3006	100	200	501
1,1-Dichloroethene	FB	Ave	5899	26225	65394	119697	309200	1.00	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			637223	1865051				100	300			
Freon 113	FB	Ave	4629 635421	23546 1797032	59312	117876	309123	1.00 100	4.00 300	10.0	20.0	50.0
Acetone	TBAd 10	Ave	3261 249107	11398 755636	26823	49772	127435	2.00 200	8.00 600	20.0	40.0	100
2-Propanol	TBAd 10	Ave	19458 523181	68163 1537895	91161	177225	254274	20.0 500	80.0 1500	100	200	250
Methyl iodide	FB	Ave	9957 982160	41572 2921391	97687	193301	483818	1.00 100	4.00 300	10.0	20.0	50.0
Carbon disulfide	FB	Ave	17062 1809263	77237 5333861	179074	352169	895740	1.00 100	4.00 300	10.0	20.0	50.0
Allyl chloride	FB	Ave	12180 1292539	52518 3815403	130845	256353	632754	1.00 100	4.00 300	10.0	20.0	50.0
Methyl acetate	FB	Ave	11915 1019980	38316 3022569	92504	189689	504485	1.00 100	4.00 300	10.0	20.0	50.0
Methylene Chloride	FB	Ave	7607 703748	28407 2082279	70386	140021	344490	1.00 100	4.00 300	10.0	20.0	50.0
t-Butyl alcohol	TBAd 10	Ave	36355 896579	139746 2283363	200341	390269	490176	20.0 500	80.0 1500	100	200	250
Acrylonitrile	FB	Ave	12614 1218511	50643 3737890	121726	244477	593070	2.50 250	10.0 750	25.0	50.0	125
Methyl tertiary butyl ether	FB	Ave	23337 2224749	94597 6601658	222828	437705	1092943	1.00 100	4.00 300	10.0	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	6912 680372	27837 2013428	66170	131275	330864	1.00 100	4.00 300	10.0	20.0	50.0
n-Hexane	FB	Ave	10795 1335199	51063 3887060	121155	249144	639970	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloroethane	FB	Ave	12173 1338603	57331 3944627	133941	263274	653441	1.00 100	4.00 300	10.0	20.0	50.0
di-Isopropyl ether	FB	Ave	26642 2591449	108470 7620646	259266	515668	1262080	1.00 100	4.00 300	10.0	20.0	50.0
2-Chloro-1,3-butadiene	FB	Ave	11086 1206865	48679 3533163	120140	230323	588961	1.00 100	4.00 300	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Ethyl t-butyl ether	FB	Ave	25202 2363043	97543 6885081	235945	467630	1151726	1.00 100	4.00 300	10.0	20.0	50.0
2-Butanone	FB	Ave	15150 1429853	61167 4276994	145710	295859	715071	2.00 200	8.00 600	20.0	40.0	100
cis-1,2-Dichloroethene	FB	Ave	7783 735999	29976 2148579	71939	141241	348466	1.00 100	4.00 300	10.0	20.0	50.0
2,2-Dichloropropane	FB	Ave	11226 1074182	44517 3123597	107294	209767	527521	1.00 100	4.00 300	10.0	20.0	50.0
Propionitrile	TBAd 10	Ave	39686 990441	166255 2964523	215370	418798	511501	20.0 500	80.0 1500	100	200	250
Methacrylonitrile	FB	Ave	46516 1249266	196779 3715980	248872	503884	613276	10.0 250	40.0 750	50.0	100	125
Bromochloromethane	FB	Ave	3319 350162	14315 1039254	33526	68393	168370	1.00 100	4.00 300	10.0	20.0	50.0
Tetrahydrofuran	TBAd 10	Ave	9239 892265	37452 2682873	87354	175839	442616	5.00 500	20.0 1500	50.0	100	250
Chloroform	FB	Ave	11522 1145241	46017 3377847	114030	227303	560566	1.00 100	4.00 300	10.0	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	9120 1056147	42896 3053206	103042	201572	517628	1.00 100	4.00 300	10.0	20.0	50.0
Cyclohexane	FB	Ave	12842 1592428	61693 4523634	150816	302712	775016	1.00 100	4.00 300	10.0	20.0	50.0
1,1-Dichloropropene	FB	Ave	8825 1045764	42469 3034322	101675	199071	513882	1.00 100	4.00 300	10.0	20.0	50.0
Carbon tetrachloride	FB	Ave	7261 877028	35315 2519394	82275	169754	426330	1.00 100	4.00 300	10.0	20.0	50.0
Isobutyl alcohol	TBAd 10	Ave	30307 712124	122094 2089660	148933	308473	370099	50.0 1250	200 3750	250	500	625
Benzene	FB	Ave	29146 2967704	124187 8662774	293505	578147	1449688	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloroethane	FB	Ave	10163 923551	38906 2750121	92912	181742	450828	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl methyl ether	FB	Ave	22796	94640	224797	445147	1102316	1.00	4.00	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			2245940	6519031				100	300			
n-Heptane	FB	Ave	12312 1493060	54384 4373945	136604	273977	706734	1.00 100	4.00 300	10.0	20.0	50.0
n-Butanol	TBAd 10	Ave	39664 623142	173165 1725314	200103	405171	321030	87.5 1250	350 3750	375	750	625
Trichloroethene	FB	Ave	6653 719835	30039 2126353	69390	137484	349651	1.00 100	4.00 300	10.0	20.0	50.0
Methylcyclohexane	FB	Ave	14163 1543552	59000 4414694	142533	286501	741779	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichloropropane	FB	Ave	7890 805727	32926 2421999	80825	158835	392616	1.00 100	4.00 300	10.0	20.0	50.0
t-Amyl ethyl ether	FB	Ave	10615 1129130	44624 3345189	110235	216833	540370	1.00 100	4.00 300	10.0	20.0	50.0
Dibromomethane	FB	Ave	4449 437469	17796 1300120	43256	85125	209477	1.00 100	4.00 300	10.0	20.0	50.0
Methyl methacrylate	FB	Ave	6927 772608	29929 2287422	73195	147740	371965	1.00 100	4.00 300	10.0	20.0	50.0
1,4-Dioxane	TBAd 10	Ave	4856 130165	21974 353721	27512	55602	67687	50.0 1250	200 3750	250	500	625
Bromodichloromethane	FB	Ave	7554 853892	34102 2557342	81790	163793	409013	1.00 100	4.00 300	10.0	20.0	50.0
2-Nitropropane	TBAd 10	Ave	13838 1521736	59263 4542853	141527	288982	747246	5.00 500	20.0 1500	50.0	100	250
2-Chloroethyl vinyl ether	FB	Ave	5427 662209	26503 1981881	64465	125401	326362	1.00 100	4.00 300	10.0	20.0	50.0
cis-1,3-Dichloropropene	FB	Ave	10626 1212851	48473 3663298	116579	232378	580756	1.00 100	4.00 300	10.0	20.0	50.0
4-Methyl-2-pentanone	FB	Ave	27212 2802249	112261 8184781	285746	567113	1403688	2.00 200	8.00 600	20.0	40.0	100
Toluene	CBZd 5	Ave	19754 1844501	79929 5441593	181489	366978	896876	1.00 100	4.00 300	10.0	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
trans-1,3-Dichloropropene	CBZd 5	Ave	9538	43196	101054	207396	532467	1.00	4.00	10.0	20.0	50.0
			1122432	3359586				100	300			
Ethyl methacrylate	CBZd 5	Ave	10277	46526	114762	240799	602324	1.00	4.00	10.0	20.0	50.0
			1251877	3722937				100	300			
1,1,2-Trichloroethane	CBZd 5	Ave	5604	25514	62882	127275	314784	1.00	4.00	10.0	20.0	50.0
			654531	1955702				100	300			
Tetrachloroethene	CBZd 5	Ave	7049	30582	74808	145528	371160	1.00	4.00	10.0	20.0	50.0
			767357	2273192				100	300			
1,3-Dichloropropane	CBZd 5	Ave	11360	48078	113283	224937	562942	1.00	4.00	10.0	20.0	50.0
			1164877	3472049				100	300			
2-Hexanone	CBZd 5	Ave	18532	83526	211220	433224	1086220	2.00	8.00	20.0	40.0	100
			2134264	6214855				200	600			
Dibromochloromethane	CBZd 5	Ave	6047	24549	63183	127974	324291	1.00	4.00	10.0	20.0	50.0
			684829	2078403				100	300			
1,2-Dibromoethane	CBZd 5	Ave	6916	26381	66715	133545	336469	1.00	4.00	10.0	20.0	50.0
			703901	2092810				100	300			
1-Chlorohexane	CBZd 5	Ave	9971	40963	98682	196101	496904	1.00	4.00	10.0	20.0	50.0
			1037037	3043144				100	300			
Chlorobenzene	CBZd 5	Ave	18304	79773	187925	370073	923609	1.00	4.00	10.0	20.0	50.0
			1904295	5645786				100	300			
1,1,1,2-Tetrachloroethane	CBZd 5	Ave	5982	25298	62062	124751	313734	1.00	4.00	10.0	20.0	50.0
			647632	1927704				100	300			
Ethylbenzene	CBZd 5	Ave	32358	142351	342672	677639	1695385	1.00	4.00	10.0	20.0	50.0
			3439284	9842390				100	300			

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
m&p-Xylene	CBZd 5	Ave	24556	107523	263970	520142	1315024	2.00	8.00	20.0	40.0	100
			2683792	7777491				200	600			
o-Xylene	CBZd 5	Ave	12486	52813	128571	264897	647786	1.00	4.00	10.0	20.0	50.0
			1331403	3922044				100	300			
Styrene	CBZd 5	Ave	20184	85458	204998	422311	1062319	1.00	4.00	10.0	20.0	50.0
			2217949	6570043				100	300			
Bromoform	CBZd 5	Ave	3874	18883	45402	95720	255101	1.00	4.00	10.0	20.0	50.0
			530274	1620757				100	300			
Isopropylbenzene	CBZd 5	Ave	29407	143833	335199	672034	1702064	1.00	4.00	10.0	20.0	50.0
			3461507	9719061				100	300			
Cyclohexanone	TBAd 10	Ave	24453	87264	120105	233355	300274	50.0	200	250	500	625
			558440	1462549				1250	3750			
Bromobenzene	DCBd 4	Ave	7360	32658	75470	152200	384117	1.00	4.00	10.0	20.0	50.0
			789770	2382162				100	300			
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	11118	46411	111961	224945	562035	1.00	4.00	10.0	20.0	50.0
			1139209	3384944				100	300			
1,2,3-Trichloropropane	DCBd 4	Ave	3173	14027	32872	66944	161826	1.00	4.00	10.0	20.0	50.0
			326900	978223				100	300			
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	33856	150470	191043	403619	483509	10.0	40.0	50.0	100	125
			1008083	3017964				250	750			
N-Propylbenzene	DCBd 4	Ave	35883	168458	394136	794885	1972809	1.00	4.00	10.0	20.0	50.0
			4058575	11079057				100	300			
2-Chlorotoluene	DCBd 4	Ave	7046	32452	75602	151183	381621	1.00	4.00	10.0	20.0	50.0
			778572	2322777				100	300			

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,3,5-Trimethylbenzene	DCBd 4	Ave	24847	114790	275104	561349	1407713	1.00	4.00	10.0	20.0	50.0
			2895818	8249047				100	300			
4-Chlorotoluene	DCBd 4	Ave	6441	32785	76631	158119	386588	1.00	4.00	10.0	20.0	50.0
			789226	2395167				100	300			
tert-Butylbenzene	DCBd 4	Ave	5235	23881	56981	115888	284495	1.00	4.00	10.0	20.0	50.0
			605672	1804829				100	300			
1,2,4-Trimethylbenzene	DCBd 4	Ave	24649	116605	282080	578870	1426647	1.00	4.00	10.0	20.0	50.0
			2948846	8445716				100	300			
sec-Butylbenzene	DCBd 4	Ave	30339	142891	342855	696579	1778355	1.00	4.00	10.0	20.0	50.0
			3635699	10114920				100	300			
1,3-Dichlorobenzene	DCBd 4	Ave	13763	62724	149413	295690	743283	1.00	4.00	10.0	20.0	50.0
			1544172	4561949				100	300			
p-Isopropyltoluene	DCBd 4	Ave	25520	120118	287555	591036	1503161	1.00	4.00	10.0	20.0	50.0
			3111981	8826460				100	300			
1,4-Dichlorobenzene	DCBd 4	Ave	15307	64624	152691	304641	764075	1.00	4.00	10.0	20.0	50.0
			1566825	4653070				100	300			
1,2,3-Trimethylbenzene	DCBd 4	Ave	25480	122359	291546	589435	1445288	1.00	4.00	10.0	20.0	50.0
			2968859	8408127				100	300			
Benzyl chloride	DCBd 4	Ave	18859	85842	217449	444985	1139661	1.00	4.00	10.0	20.0	50.0
			2380455	6970455				100	300			
1,3-Diethylbenzene	DCBd 4	Ave	15231	70983	173237	352894	901371	1.00	4.00	10.0	20.0	50.0
			1856061	5470397				100	300			
1,4-Diethylbenzene	DCBd 4	Ave	14820	72280	179955	365116	942289	1.00	4.00	10.0	20.0	50.0
			1929233	5713870				100	300			

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
n-Butylbenzene	DCBd 4	Ave	11517 1573277	58829 4678990	142477	292081	757675	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	14116 1511101	58562 4490656	148303	294193	735359	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Diethylbenzene	DCBd 4	Ave	12831 1559620	61134 4613971	146415	300584	760103	1.00 100	4.00 300	10.0	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	3086 293939	11328 870031	28657	56915	145865	1.00 100	4.00 300	10.0	20.0	50.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	9214 1163986	45788 3502844	106821	224243	561609	1.00 100	4.00 300	10.0	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	10201 1109659	42274 3364199	103479	210377	536036	1.00 100	4.00 300	10.0	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	3892 460496	16573 1374489	39190	85389	216461	1.00 100	4.00 300	10.0	20.0	50.0
Naphthalene	DCBd 4	Ave	36464 3906906	154350 10765691	381231	778030	1919279	1.00 100	4.00 300	10.0	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	9782 1067956	43213 3211699	102909	206778	521197	1.00 100	4.00 300	10.0	20.0	50.0
2-Methylnaphthalene	DCBd 4	Ave	17832 2340115	78049 6748727	204355	424845	1111235	1.00 100	4.00 300	10.0	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	273868 282843	278008 279387	281218	275017	275741	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	76888 77098	77363 76926	77325	77078	77346	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBZd 5	Ave	1186331	1221570	1216021	1228304	1210576	50.0	50.0	50.0	50.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
			1243047	1255497				50.0	50.0			
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	421118	440115	435542	442231	430673	50.0	50.0	50.0	50.0	50.0
			441310	454397				50.0	50.0			

Curve Type Legend

Ave = Average ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-205625/17	WD15I17.D
Level 2	IC 410-205625/16	WD15I16.D
Level 3	IC 410-205625/15	WD15I15.D
Level 4	IC 410-205625/14	WD15I14.D
Level 5	ICIS 410-205625/13	WD15I13.D
Level 6	IC 410-205625/12	WD15I12.D
Level 7	IC 410-205625/11	WD15I11.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dichlorodifluoromethane	-15.0 -1.2	12.1	-5.7	7.0	2.4	0.4	50 30	30	30	30	30	30
Chloromethane	15.0 -7.4	9.1	1.4	0.8	-7.6	-11.4	50 30	30	30	30	30	30
1,3-Butadiene	9.1 -8.1	12.3	-1.0	3.3	-7.6	-8.0	50 30	30	30	30	30	30
Vinyl chloride	4.8 -8.1	10.5	2.2	2.6	-4.6	-7.4	50 30	30	30	30	30	30
Bromomethane	0.7 -5.9	8.1	3.8	5.0	-4.3	-7.4	50 30	30	30	30	30	30
Chloroethane	-4.9 -6.4	14.2	4.0	3.3	-4.9	-5.2	50 30	30	30	30	30	30
Dichlorofluoromethane	-2.0 -7.0	10.1	4.5	4.0	-4.0	-5.6	50 30	30	30	30	30	30
n-Pentane	-8.4 1.9	5.4	-2.1	-2.6	2.2	3.6	50 30	30	30	30	30	30
Trichlorofluoromethane	-7.2 -3.8	7.7	2.5	4.1	-1.4	-2.0	50 30	30	30	30	30	30
Ethanol	13.3 -4.5	3.5	-3.0	-4.6	-0.2	-4.5	50 30	30	30	30	30	30
Freon 123a	-1.0 -6.1	7.6	2.4	6.0	-4.3	-4.5	50 30	30	30	30	30	30
Acrolein	-4.1 5.9	0.0	-2.6	-0.3	-0.3	1.3	50 30	30	30	30	30	30
1,1-Dichloroethene	-3.9 -2.4	4.7	5.1	-4.1	-0.5	1.0	50 30	30	30	30	30	30
Freon 113	-19.2 0.8	0.7	2.1	1.2	6.6	7.9	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Acetone	16.1 0.1	5.5	-4.8	-9.1	-5.0	-2.8	50 30	30	30	30	30	30
2-Propanol	-3.2 13.9	-11.8	-9.6	-9.5	6.0	14.2	50 30	30	30	30	30	30
Methyl iodide	2.8 -3.1	5.2	-0.5	-1.8	-1.3	-1.3	50 30	30	30	30	30	30
Carbon disulfide	-3.2 -2.8	7.4	0.2	-1.8	0.4	-0.2	50 30	30	30	30	30	30
Allyl chloride	-3.0 -2.4	2.5	2.8	0.4	-0.5	0.1	50 30	30	30	30	30	30
Methyl acetate	20.2 -2.0	-5.2	-7.9	-5.9	0.6	0.1	50 30	30	30	30	30	30
Methylene Chloride	9.2 -3.9	0.0	-0.3	-1.1	-2.3	-1.7	50 30	30	30	30	30	30
t-Butyl alcohol	-4.7 -11.0	-4.8	4.7	5.0	7.7	3.1	50 30	30	30	30	30	30
Acrylonitrile	4.3 -0.7	2.7	-0.7	-0.6	-3.1	-2.0	50 30	30	30	30	30	30
Methyl tertiary butyl ether	5.7 -3.9	5.1	-0.4	-2.5	-2.2	-1.9	50 30	30	30	30	30	30
trans-1,2-Dichloroethene	4.4 -2.3	3.1	-1.4	-2.5	-1.3	0.0	50 30	30	30	30	30	30
n-Hexane	-11.8 2.1	2.3	-2.3	0.1	3.3	6.2	50 30	30	30	30	30	30
1,1-Dichloroethane	-6.4 -2.5	8.1	1.7	-0.4	-0.7	0.2	50 30	30	30	30	30	30
di-Isopropyl ether	4.3 -4.1	4.1	0.1	-0.7	-2.4	-1.3	50 30	30	30	30	30	30
2-Chloro-1,3-butadiene	-4.1 -1.8	3.2	2.5	-2.0	0.6	1.6	50 30	30	30	30	30	30
Ethyl t-butyl ether	8.1 -5.1	2.5	-0.2	-1.4	-2.5	-1.4	50 30	30	30	30	30	30
2-Butanone	5.1 -4.6	4.1	-0.2	1.0	-2.0	-3.4	50 30	30	30	30	30	30
cis-1,2-Dichloroethene	8.7 -3.6	2.6	-0.9	-3.0	-3.9	0.0	50 30	30	30	30	30	30
2,2-Dichloropropane	6.3 -5.0	3.3	0.2	-2.4	-1.4	-1.1	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Propionitrile	-7.1 3.2	1.1	0.4	0.5	0.3	1.6	50 30	30	30	30	30	30
Methacrylonitrile	-3.7 -1.2	-0.2	1.6	2.6	0.3	0.6	50 30	30	30	30	30	30
Bromochloromethane	-1.4 -0.8	4.2	-1.8	-0.1	-1.2	1.2	50 30	30	30	30	30	30
Tetrahydrofuran	-1.6 6.3	3.7	-7.3	-3.9	-1.3	4.2	50 30	30	30	30	30	30
Chloroform	3.0 -3.0	0.9	0.6	-0.1	-1.0	-0.4	50 30	30	30	30	30	30
1,1,1-Trichloroethane	-8.8 -1.9	5.1	1.6	-0.9	2.2	2.7	50 30	30	30	30	30	30
Cyclohexane	-12.8 -1.3	2.7	1.1	1.1	4.0	5.2	50 30	30	30	30	30	30
1,1-Dichloropropene	-10.6 -1.3	5.4	1.6	-0.9	2.8	3.0	50 30	30	30	30	30	30
Carbon tetrachloride	-11.5 -1.3	5.5	-1.1	1.7	2.6	4.0	50 30	30	30	30	30	30
Isobutyl alcohol	-2.1 0.4	2.5	-4.1	2.2	0.2	0.9	50 30	30	30	30	30	30
Benzene	0.8 -3.7	5.3	0.2	-1.6	-0.9	-0.1	50 30	30	30	30	30	30
1,2-Dichloroethane	10.2 -4.1	3.5	-0.6	-3.1	-3.4	-2.5	50 30	30	30	30	30	30
t-Amyl methyl ether	3.2 -5.2	5.0	0.4	-0.9	-1.4	-1.1	50 30	30	30	30	30	30
n-Heptane	-9.4 3.4	-1.9	-0.8	-0.9	2.7	6.9	50 30	30	30	30	30	30
n-Butanol	-13.1 -1.6	-1.4	1.9	6.3	3.1	4.8	50 30	30	30	30	30	30
Trichloroethene	-3.7 -1.1	6.6	-0.9	-2.2	0.0	1.4	50 30	30	30	30	30	30
Methylcyclohexane	-1.5 -1.3	0.6	-2.2	-2.0	1.9	4.5	50 30	30	30	30	30	30
1,2-Dichloropropane	0.2 -1.2	2.5	1.3	-0.8	-1.5	-0.5	50 30	30	30	30	30	30
t-Amyl ethyl ether	-1.6 -0.3	1.4	0.8	-1.1	-1.0	1.8	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Dibromomethane	4.4 -2.0	2.4	0.1	-1.8	-2.9	-0.2	50 30	30	30	30	30	30
Methyl methacrylate	-4.9 1.0	0.8	-0.8	-0.2	0.9	3.2	50 30	30	30	30	30	30
1,4-Dioxane	-11.5 -4.1	4.1	0.0	4.0	3.4	4.1	50 30	30	30	30	30	30
Bromodichloromethane	-6.7 1.6	3.3	-0.3	-0.5	-0.2	2.7	50 30	30	30	30	30	30
2-Nitropropane	-9.8 10.1	0.4	-8.1	-3.4	2.0	8.7	50 30	30	30	30	30	30
2-Chloroethyl vinyl ether	-13.1 2.0	4.1	1.9	-1.2	3.2	3.2	50 30	30	30	30	30	30
cis-1,3-Dichloropropene	-7.6 2.4	3.4	0.0	-0.6	-0.2	2.6	50 30	30	30	30	30	30
4-Methyl-2-pentanone	-0.9 -4.2	0.3	2.7	1.6	1.0	-0.7	50 30	30	30	30	30	30
Toluene	8.5 -6.0	6.5	-2.1	-0.9	-2.7	-3.2	50 30	30	30	30	30	30
trans-1,3-Dichloropropene	-7.2 2.8	2.0	-3.4	-0.8	2.3	4.3	50 30	30	30	30	30	30
Ethyl methacrylate	-10.4 2.2	-1.5	-1.7	3.3	3.8	4.3	50 30	30	30	30	30	30
1,1,2-Trichloroethane	-8.5 0.5	1.1	0.9	2.2	1.6	2.1	50 30	30	30	30	30	30
Tetrachloroethene	-2.9 -1.4	2.3	1.3	-1.4	1.1	1.0	50 30	30	30	30	30	30
1,3-Dichloropropane	1.4 -2.5	4.2	-0.6	-1.2	-0.7	-0.6	50 30	30	30	30	30	30
2-Hexanone	-8.8 -3.8	-0.3	2.1	4.8	5.6	0.3	50 30	30	30	30	30	30
Dibromochloromethane	-3.8 4.0	-5.2	-1.3	0.1	2.0	4.1	50 30	30	30	30	30	30
1,2-Dibromoethane	4.3 -0.7	-3.4	-1.1	-0.9	0.3	1.5	50 30	30	30	30	30	30
1-Chlorohexane	1.8 -2.2	1.5	-1.0	-1.5	0.3	1.2	50 30	30	30	30	30	30
Chlorobenzene	-0.3 -3.3	5.4	0.5	-0.9	-0.6	-0.9	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,1,1,2-Tetrachloroethane	-2.2 -0.8	0.4	-0.3	0.3	1.4	1.2	50 30	30	30	30	30	30
Ethylbenzene	-2.0 -6.2	4.6	1.9	0.9	1.4	-0.5	50 30	30	30	30	30	30
m&p-Xylene	-3.6 -3.9	2.5	1.8	0.4	2.0	0.7	50 30	30	30	30	30	30
o-Xylene	-1.6 -2.7	1.0	-0.5	2.7	0.9	0.3	50 30	30	30	30	30	30
Styrene	-2.4 0.0	0.3	-2.6	0.5	1.6	2.5	50 30	30	30	30	30	30
Bromoform	-17.4 8.7	-2.3	-4.9	0.4	7.5	8.0	50 30	30	30	30	30	30
Isopropylbenzene	-9.6 -5.9	7.4	1.3	1.7	3.5	1.7	50 30	30	30	30	30	30
Cyclohexanone	2.9 -8.5	-4.6	0.7	0.7	5.8	3.0	50 30	30	30	30	30	30
Bromobenzene	-3.2 -2.0	7.0	-2.2	-2.2	1.4	1.1	50 30	30	30	30	30	30
1,1,2,2-Tetrachloroethane	0.2 -4.6	4.2	-0.6	-0.9	1.7	-0.1	50 30	30	30	30	30	30
1,2,3-Trichloropropane	-2.0 -5.5	7.9	0.0	1.0	0.3	-1.8	50 30	30	30	30	30	30
trans-1,4-Dichloro-2-butene	-10.3 0.0	-0.7	-0.3	4.5	2.9	3.9	50 30	30	30	30	30	30
N-Propylbenzene	-6.7 -9.9	9.1	1.0	1.0	3.0	2.6	50 30	30	30	30	30	30
2-Chlorotoluene	-6.0 -3.1	7.8	-0.6	-1.4	2.2	1.0	50 30	30	30	30	30	30
1,3,5-Trimethylbenzene	-8.5 -5.1	5.2	-0.2	1.0	4.0	3.7	50 30	30	30	30	30	30
4-Chlorotoluene	-14.6 -0.7	8.2	0.1	2.4	2.9	1.8	50 30	30	30	30	30	30
tert-Butylbenzene	-7.7 -0.5	4.9	-1.0	-0.2	0.7	3.9	50 30	30	30	30	30	30
1,2,4-Trimethylbenzene	-10.8 -4.5	5.1	0.5	2.3	3.6	3.8	50 30	30	30	30	30	30
sec-Butylbenzene	-10.2 -6.4	5.4	0.0	0.8	5.7	4.7	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
1,3-Dichlorobenzene	-6.2 -2.8	6.4	0.3	-1.6	1.6	2.3	50 30	30	30	30	30	30
p-Isopropyltoluene	-11.0 -3.7	4.3	-1.2	0.7	5.2	5.6	50 30	30	30	30	30	30
1,4-Dichlorobenzene	0.7 -4.3	5.8	-1.1	-2.1	0.8	0.2	50 30	30	30	30	30	30
1,2,3-Trimethylbenzene	-9.8 -6.9	7.9	1.7	2.0	2.7	2.3	50 30	30	30	30	30	30
Benzyl chloride	-12.7 0.9	-1.0	-0.8	0.6	5.9	7.2	50 30	30	30	30	30	30
1,3-Diethylbenzene	-11.5 -0.6	2.7	-0.8	0.2	5.1	4.9	50 30	30	30	30	30	30
1,4-Diethylbenzene	-16.3 0.9	1.7	0.1	0.8	6.8	6.0	50 30	30	30	30	30	30
n-Butylbenzene	-19.1 2.8	3.0	-1.4	0.3	6.9	7.5	50 30	30	30	30	30	30
1,2-Dichlorobenzene	-2.3 -2.9	0.9	1.1	-0.6	2.1	1.7	50 30	30	30	30	30	30
1,2-Diethylbenzene	-12.0 -1.0	4.5	-1.0	0.8	4.7	4.1	50 30	30	30	30	30	30
1,2-Dibromo-3-Chloropropane	7.9 -4.9	-1.3	-1.3	-2.8	2.4	0.0	50 30	30	30	30	30	30
1,3,5-Trichlorobenzene	-14.7 1.3	5.5	-2.6	1.4	4.3	4.8	50 30	30	30	30	30	30
1,2,4-Trichlorobenzene	-2.5 0.5	0.6	-2.6	-1.8	2.8	3.1	50 30	30	30	30	30	30
Hexachlorobutadiene	-6.6 3.1	-1.0	-7.4	0.1	4.3	7.5	50 30	30	30	30	30	30
Naphthalene	-2.1 -9.6	3.2	0.9	2.1	3.5	2.0	50 30	30	30	30	30	30
1,2,3-Trichlorobenzene	-4.5 -1.9	5.1	-1.0	-1.3	2.2	1.4	50 30	30	30	30	30	30
2-Methylnaphthalene	-13.5 2.3	-5.7	-2.3	0.7	8.2	10.4	50 30	30	30	30	30	30
Dibromofluoromethane (Surr)	0.3 -1.4	-0.1	1.6	-0.9	-0.3	0.8	50 30	30	30	30	30	30
1,2-Dichloroethane-d4 (Surr)	1.5 -2.1	0.1	0.7	0.0	0.8	-1.0	50 30	30	30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 205625

SDG No.: _____

Instrument ID: 9137 GC Column: R-624SilMS ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/15/2021 14:37 Calibration End Date: 12/15/2021 16:35 Calibration ID: 34018

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Toluene-d8 (Surr)	-0.5 -0.6	-0.5	0.2	1.4	0.3	-0.4	50 30	30	30	30	30	30
4-Bromofluorobenzene (Surr)	-1.3 0.5	0.1	0.3	1.9	-0.3	-1.2	50 30	30	30	30	30	30

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15111.D
 Lims ID: IC v300
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 15-Dec-2021 14:37:30 ALS Bottle#: 11 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0046415-011
 Misc. Info.: IC STD7
 Operator ID: jml01693 Instrument ID: 9137
 Sublist: chrom-MSVoa_9137*sub28
 Method: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\MSVoa_9137.m
 Limit Group: MSV - 8260C_D
 Last Update: 16-Dec-2021 15:04:14 Calib Date: 15-Dec-2021 16:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15117.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: spositok

Date: 15-Dec-2021 17:28:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.344	1.354	-0.010	100	2529913	300.0	296.4	
5 Chloromethane	50	1.485	1.486	-0.001	100	3185035	300.0	277.8	
8 Butadiene	39	1.556	1.553	0.003	93	3195119	300.0	275.7	
7 Vinyl chloride	62	1.559	1.563	-0.004	99	3143798	300.0	275.7	
10 Bromomethane	94	1.784	1.790	-0.006	90	1826477	300.0	282.2	
11 Chloroethane	64	1.822	1.826	-0.004	100	1776926	300.0	280.8	
13 Dichlorofluoromethane	67	1.983	1.980	0.003	98	3861830	300.0	278.9	
15 Pentane	43	2.041	2.047	-0.006	97	4613330	300.0	305.6	
14 Trichlorofluoromethane	101	2.041	2.047	-0.006	97	3375202	300.0	288.7	M
16 Ethanol	45	2.175	2.131	0.044	92	945216	7500.4	7164.1	
18 1,2-Dichloro-1,1,2-trifluoroetha	67	2.217	2.227	-0.010	95	2756286	300.0	281.6	
19 Acrolein	56	2.297	2.307	-0.010	99	8496790	3006.5	3185.2	
20 1,1-Dichloroethene	96	2.397	2.400	-0.003	98	1865051	300.0	292.9	
22 Acetone	58	2.419	2.423	-0.004	69	755636	600.0	600.3	
21 112TCTFE	101	2.426	2.429	-0.003	93	1797032	300.0	302.3	
23 Isopropyl alcohol	45	2.532	2.535	-0.003	96	1537895	1500.0	1707.8	
24 Iodomethane	142	2.538	2.535	0.003	97	2921391	300.0	290.8	
25 Carbon disulfide	76	2.605	2.605	0.000	99	5333861	300.0	291.6	
26 3-Chloro-1-propene	41	2.695	2.702	-0.007	92	3815403	300.0	292.9	
27 Methyl acetate	43	2.708	2.715	-0.007	99	3022569	300.0	294.1	
28 Methylene Chloride	84	2.811	2.808	0.003	97	2082279	300.0	288.3	
* 30 t-Butyl alcohol-d10 (IS)	65	2.833	2.827	0.006	94	349413	250.0	250.0	
31 2-Methyl-2-propanol	59	2.913	2.907	0.006	99	2283363	1500.0	1335.7	
32 Acrylonitrile	53	3.019	3.019	0.000	99	3737890	750.0	745.0	
34 Methyl tert-butyl ether	73	3.055	3.058	-0.003	96	6601658	300.0	288.4	
33 trans-1,2-Dichloroethene	96	3.055	3.058	-0.003	97	2013428	300.0	293.2	
35 Hexane	57	3.308	3.315	-0.007	94	3887060	300.0	306.3	
36 1,1-Dichloroethane	63	3.437	3.440	-0.004	96	3944627	300.0	292.5	
37 Isopropyl ether	45	3.504	3.510	-0.006	94	7620646	300.0	287.6	
38 2-Chloro-1,3-butadiene	53	3.526	3.530	-0.004	91	3533163	300.0	294.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	3.854	3.854	0.000	98	6885081	300.0	284.6	
43 2-Butanone (MEK)	43	3.985	3.979	0.006	79	4276994	600.0	572.4	
41 cis-1,2-Dichloroethene	96	3.988	3.992	-0.004	85	2148579	300.0	289.3	
42 2,2-Dichloropropane	77	4.001	4.001	0.000	89	3123597	300.0	285.0	
44 Propionitrile	54	4.053	4.037	0.016	99	2964523	1500.0	1547.7	
45 Methacrylonitrile	67	4.207	4.187	0.020	92	3715980	750.0	741.3	
46 Chlorobromomethane	128	4.216	4.223	-0.007	98	1039254	300.0	297.5	
47 Tetrahydrofuran	71	4.261	4.255	0.006	90	2682873	1500.0	1593.8	
48 Chloroform	83	4.297	4.293	0.003	95	3377847	300.0	291.1	
\$ 50 Dibromofluoromethane (Surr)	113	4.451	4.454	-0.003	94	279387	50.0	49.3	
51 1,1,1-Trichloroethane	97	4.489	4.486	0.003	99	3053206	300.0	294.2	
53 Cyclohexane	56	4.553	4.547	0.006	93	4523634	300.0	296.2	
54 1,1-Dichloropropene	75	4.643	4.640	0.003	97	3034322	300.0	296.2	
55 Carbon tetrachloride	117	4.653	4.656	-0.003	98	2519394	300.0	296.0	
56 Isobutyl alcohol	41	4.755	4.749	0.006	97	2089660	3750.0	3765.4	
\$ 57 1,2-Dichloroethane-d4 (Surr)	102	4.787	4.788	-0.001	87	76926	50.0	48.9	
58 Benzene	78	4.848	4.845	0.003	97	8662774	300.0	288.9	
59 1,2-Dichloroethane	62	4.861	4.858	0.003	97	2750121	300.0	287.6	
60 Tert-amyl methyl ether	73	4.970	4.970	0.000	98	6519031	300.0	284.5	
* 61 Fluorobenzene (IS)	96	5.128	5.115	0.013	51	1211810	50.0	50.0	
62 n-Heptane	43	5.128	5.128	0.000	95	4373945	300.0	310.3	
63 n-Butanol	56	5.426	5.429	-0.003	90	1725314	3750.0	3689.9	
64 Trichloroethene	95	5.500	5.497	0.003	99	2126353	300.0	296.7	
66 Methylcyclohexane	83	5.712	5.708	0.004	95	4414694	300.0	296.0	
67 1,2-Dichloropropane	63	5.728	5.725	0.003	98	2421999	300.0	296.5	
68 2-ethoxy-2-methyl butane	87	5.782	5.779	0.003	92	3345189	300.0	299.0	
69 Dibromomethane	93	5.846	5.843	0.003	96	1300120	300.0	294.0	
70 Methyl methacrylate	69	5.859	5.856	0.003	94	2287422	300.0	302.9	
71 1,4-Dioxane	88	5.859	5.869	-0.010	30	353721	3750.0	3597.2	
72 Dichlorobromomethane	83	6.016	6.013	0.003	99	2557342	300.0	304.7	
S 73 1,2-Dichloroethene, Total	100				0			582.5	
74 2-Nitropropane	41	6.257	6.254	0.003	97	4542853	1500.0	1651.7	
75 2-Chloroethyl vinyl ether	63	6.344	6.344	0.000	92	1981881	300.0	306.0	
77 cis-1,3-Dichloropropene	75	6.498	6.491	0.007	95	3663298	300.0	307.2	
78 4-Methyl-2-pentanone (MIBK)	43	6.671	6.668	0.003	97	8184781	600.0	575.0	
\$ 79 Toluene-d8 (Surr)	98	6.787	6.783	0.004	93	1255497	50.0	49.7	
80 Toluene	92	6.857	6.857	0.000	98	5441593	300.0	282.0	
81 trans-1,3-Dichloropropene	75	7.098	7.098	0.000	94	3359586	300.0	308.5	
84 Ethyl methacrylate	69	7.220	7.217	0.003	92	3722937	300.0	306.5	
87 1,1,2-Trichloroethane	97	7.294	7.290	0.004	91	1955702	300.0	301.5	
88 Tetrachloroethene	166	7.444	7.438	0.006	98	2273192	300.0	295.7	
89 1,3-Dichloropropane	76	7.464	7.461	0.003	94	3472049	300.0	292.6	
90 2-Hexanone	43	7.560	7.560	0.000	97	6214855	600.0	577.3	
92 Chlorodibromomethane	129	7.685	7.685	0.000	90	2078403	300.0	312.1	
93 Ethylene Dibromide	107	7.791	7.791	0.000	98	2092810	300.0	298.0	
* 94 Chlorobenzene-d5 (IS)	117	8.231	8.227	0.004	84	895214	50.0	50.0	
95 1-Chlorohexane	91	8.250	8.250	0.000	92	3043144	300.0	293.3	
96 Chlorobenzene	112	8.256	8.256	0.000	93	5645786	300.0	290.2	
97 1,1,1,2-Tetrachloroethane	131	8.337	8.333	0.004	98	1927704	300.0	297.6	
98 Ethylbenzene	91	8.362	8.362	0.000	98	9842390	300.0	281.3	
99 m-Xylene & p-Xylene	106	8.465	8.465	0.000	99	7777491	600.0	576.6	e
101 o-Xylene	106	8.805	8.802	0.003	94	3922044	300.0	291.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
102 Styrene	104	8.815	8.811	0.004	93	6570043	300.0	300.0	
103 Bromoform	173	8.956	8.956	0.000	98	1620757	300.0	326.2	
104 Isopropylbenzene	105	9.110	9.107	0.003	96	9719061	300.0	282.2	
105 Cyclohexanone	55	9.171	9.171	0.000	94	1462549	3750.1	3431.7	
\$ 106 4-Bromofluorobenzene (Surr)	95	9.222	9.222	0.000	90	454397	50.0	50.3	
108 Bromobenzene	156	9.338	9.338	0.000	96	2382162	300.0	294.0	
109 1,1,2,2-Tetrachloroethane	83	9.341	9.341	0.000	93	3384944	300.0	286.2	
110 1,2,3-Trichloropropane	110	9.373	9.370	0.003	84	978223	300.0	283.4	
111 trans-1,4-Dichloro-2-butene	53	9.386	9.383	0.003	95	3017964	750.0	750.0	
112 N-Propylbenzene	91	9.434	9.431	0.003	98	11079057	300.0	270.2	
113 2-Chlorotoluene	126	9.495	9.492	0.003	96	2322777	300.0	290.7	
114 1,3,5-Trimethylbenzene	105	9.569	9.566	0.003	96	8249047	300.0	284.8	
115 4-Chlorotoluene	126	9.575	9.575	0.000	98	2395167	300.0	297.8	
116 tert-Butylbenzene	134	9.813	9.813	0.000	94	1804829	300.0	298.5	
118 1,2,4-Trimethylbenzene	105	9.848	9.845	0.003	98	8445716	300.0	286.6	
119 sec-Butylbenzene	105	9.973	9.973	0.000	95	10114920	300.0	280.9	
121 1,3-Dichlorobenzene	146	10.050	10.047	0.003	98	4561949	300.0	291.5	
S 122 1,3-Dichloropropene, Total	100				0			615.6	
123 4-Isopropyltoluene	119	10.079	10.076	0.003	96	8826460	300.0	288.8	
* 124 1,4-Dichlorobenzene-d4	152	10.098	10.095	0.003	92	508650	50.0	50.0	
125 1,4-Dichlorobenzene	146	10.114	10.111	0.003	95	4653070	300.0	287.0	
126 1,2,3-Trimethylbenzene	105	10.153	10.153	0.000	98	8408127	300.0	279.3	
127 Benzyl chloride	91	10.211	10.211	0.000	99	6970455	300.0	302.6	
128 1,3-Diethylbenzene	119	10.294	10.291	0.003	95	5470397	300.0	298.1	
129 p-Diethylbenzene	119	10.352	10.352	0.000	93	5713870	300.0	302.7	
130 n-Butylbenzene	92	10.371	10.368	0.003	97	4678990	300.0	308.4	
131 1,2-Dichlorobenzene	146	10.381	10.381	0.000	97	4490656	300.0	291.4	
132 o-diethylbenzene	119	10.435	10.432	0.003	95	4613971	300.0	296.9	
133 1,2-Dibromo-3-Chloropropane	75	10.913	10.917	-0.004	86	870031	300.0	285.3	
134 1,3,5-Trichlorobenzene	180	11.061	11.061	0.000	98	3502844	300.0	304.0	
S 135 Xylenes, Total	106				0			868.3	
136 1,2,4-Trichlorobenzene	180	11.472	11.468	0.004	94	3364199	300.0	301.4	
137 Hexachlorobutadiene	225	11.581	11.581	0.000	96	1374489	300.0	309.3	
138 Naphthalene	128	11.632	11.632	0.000	98	10765691	300.0	271.2	
139 1,2,3-Trichlorobenzene	180	11.789	11.786	0.003	96	3211699	300.0	294.2	
140 2-Methylnaphthalene	142	12.354	12.354	0.000	92	6748727	300.0	307.0	
S 156 Total Diethylbenzene	1				0			897.8	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00042	Amount Added: 15.00	Units: uL	
MSV_VCYC_00007	Amount Added: 30.00	Units: uL	
MSV_CCV_VOC#3_00041	Amount Added: 12.00	Units: uL	
MSV_CCV_2CEVE_00039	Amount Added: 15.00	Units: uL	
MSV_CCV_ETOH_00001	Amount Added: 30.00	Units: uL	
MSV_CCV_GASES_00119	Amount Added: 7.50	Units: uL	
MSV_HP18_ISSS_00023	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 16-Dec-2021 15:04:14

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15111.D

Injection Date: 15-Dec-2021 14:37:30

Instrument ID: 9137

Operator ID: jml01693

Lims ID: IC v300

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

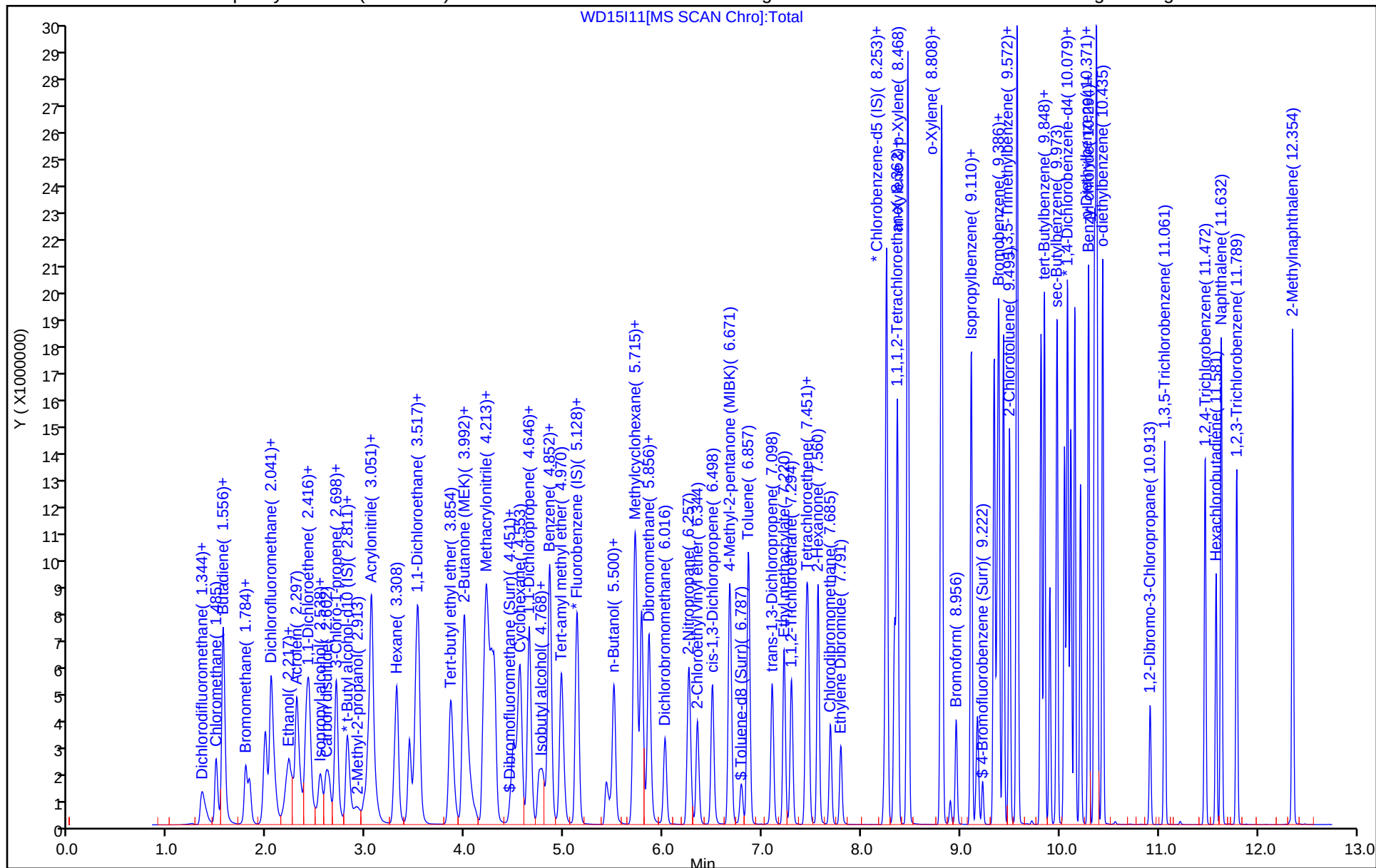
ALS Bottle#: 11

Method: MSVoa_9137

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Env, LLC

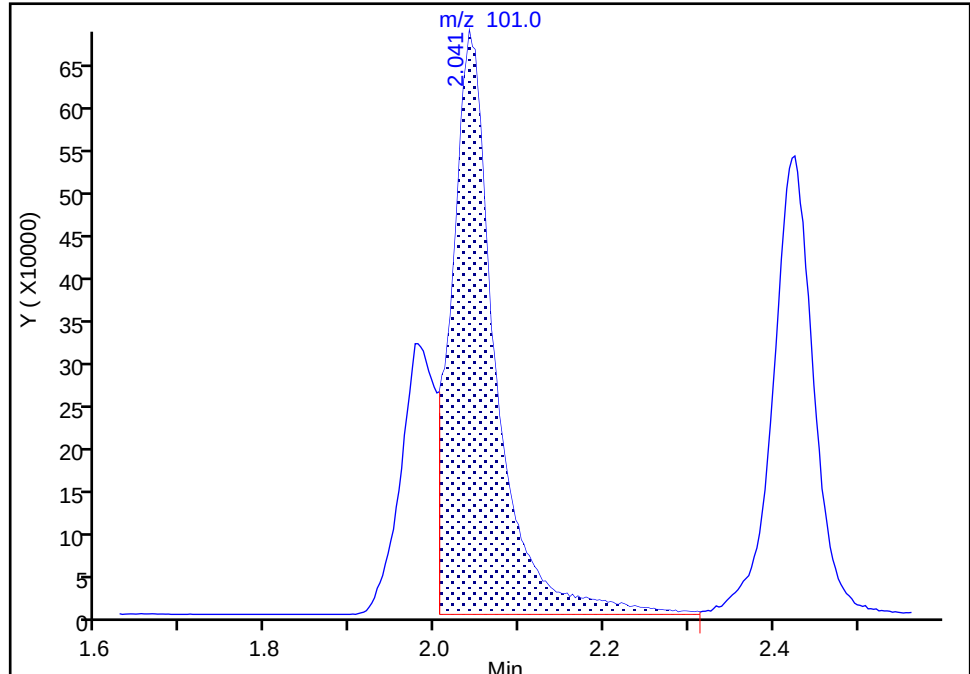
Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15111.D
Injection Date: 15-Dec-2021 14:37:30 Instrument ID: 9137
Lims ID: IC v300
Client ID:
Operator ID: jml01693 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

14 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

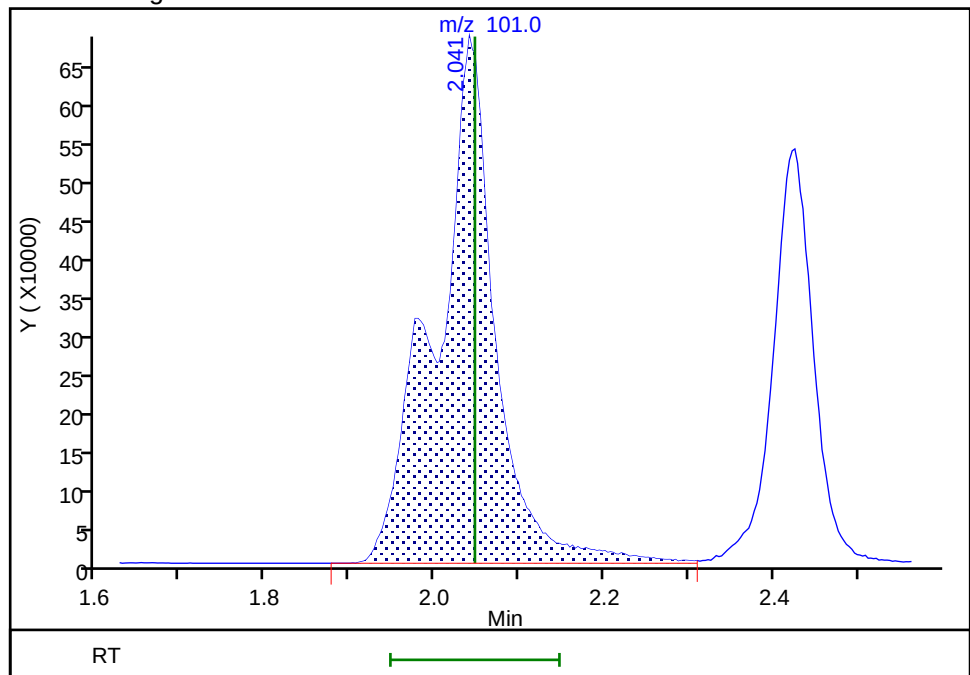
RT: 2.04
Area: 2491133
Amount: 311.6286
Amount Units: ug/l

Processing Integration Results



RT: 2.04
Area: 3375202
Amount: 288.6592
Amount Units: ug/l

Manual Integration Results



Reviewer: spositok, 15-Dec-2021 17:28:13
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration
Page 62 of 550

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15112.D
 Lims ID: IC v100
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 15-Dec-2021 14:57:30 ALS Bottle#: 12 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0046415-012
 Misc. Info.: IC STD6
 Operator ID: jml01693 Instrument ID: 9137
 Sublist: chrom-MSVoa_9137*sub28
 Method: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\MSVoa_9137.m
 Limit Group: MSV - 8260C_D
 Last Update: 16-Dec-2021 15:04:19 Calib Date: 15-Dec-2021 16:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15117.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: spositok

Date: 15-Dec-2021 17:33:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.335	1.354	-0.019	100	849030	100.0	100.4	
5 Chloromethane	50	1.476	1.486	-0.010	100	1006895	100.0	88.6	
8 Butadiene	39	1.547	1.553	-0.006	92	1056307	100.0	92.0	
7 Vinyl chloride	62	1.553	1.563	-0.010	99	1045947	100.0	92.6	
10 Bromomethane	94	1.778	1.790	-0.012	89	594171	100.0	92.6	
11 Chloroethane	64	1.816	1.826	-0.010	100	594138	100.0	94.8	
13 Dichlorofluoromethane	67	1.973	1.980	-0.007	98	1294620	100.0	94.4	
15 Pentane	43	2.034	2.047	-0.013	97	1550062	100.0	103.6	
14 Trichlorofluoromethane	101	2.034	2.047	-0.013	53	1135885	100.0	98.0	M
16 Ethanol	45	2.137	2.131	0.006	94	320439	2500.1	2386.8	
18 1,2-Dichloro-1,1,2-trifluoroetha	67	2.211	2.227	-0.016	95	926289	100.0	95.5	
19 Acrolein	56	2.294	2.307	-0.013	100	2756431	1002.2	1015.5	
20 1,1-Dichloroethene	96	2.391	2.400	-0.009	96	637223	100.0	101.0	
22 Acetone	58	2.416	2.423	-0.007	95	249107	200.0	194.5	
21 112TCTFE	101	2.413	2.429	-0.016	93	635421	100.0	107.9	
23 Isopropyl alcohol	45	2.525	2.535	-0.010	96	523181	500.0	570.9	
24 Iodomethane	142	2.529	2.535	-0.006	98	982160	100.0	98.7	
25 Carbon disulfide	76	2.593	2.605	-0.012	99	1809263	100.0	99.8	
26 3-Chloro-1-propene	41	2.689	2.702	-0.013	92	1292539	100.0	100.1	
27 Methyl acetate	43	2.699	2.715	-0.016	98	1019980	100.0	100.1	
28 Methylene Chloride	84	2.801	2.808	-0.007	96	703748	100.0	98.3	
* 30 t-Butyl alcohol-d10 (IS)	65	2.824	2.827	-0.003	98	355552	250.0	250.0	
31 2-Methyl-2-propanol	59	2.894	2.907	-0.013	99	896579	500.0	515.4	
32 Acrylonitrile	53	3.013	3.019	-0.006	100	1218511	250.0	245.1	
34 Methyl tert-butyl ether	73	3.045	3.058	-0.013	94	2224749	100.0	98.1	
33 trans-1,2-Dichloroethene	96	3.045	3.058	-0.013	96	680372	100.0	100.0	
35 Hexane	57	3.302	3.315	-0.013	94	1335199	100.0	106.2	
36 1,1-Dichloroethane	63	3.434	3.440	-0.006	97	1338603	100.0	100.2	
37 Isopropyl ether	45	3.501	3.510	-0.009	95	2591449	100.0	98.7	
38 2-Chloro-1,3-butadiene	53	3.523	3.530	-0.007	93	1206865	100.0	101.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	3.851	3.854	-0.003	98	2363043	100.0	98.6	
43 2-Butanone (MEK)	43	3.973	3.979	-0.006	100	1429853	200.0	193.1	
41 cis-1,2-Dichloroethene	96	3.985	3.992	-0.007	85	735999	100.0	100.0	
42 2,2-Dichloropropane	77	3.992	4.001	-0.009	88	1074182	100.0	98.9	
44 Propionitrile	54	4.043	4.037	0.006	100	990441	500.0	508.1	
45 Methacrylonitrile	67	4.188	4.187	0.001	93	1249266	250.0	251.5	
46 Chlorobromomethane	128	4.216	4.223	-0.007	97	350162	100.0	101.2	
47 Tetrahydrofuran	71	4.249	4.255	-0.006	90	892265	500.0	520.9	
48 Chloroform	83	4.293	4.293	0.000	95	1145241	100.0	99.6	
\$ 50 Dibromofluoromethane (Surr)	113	4.448	4.454	-0.006	93	282843	50.0	50.4	
51 1,1,1-Trichloroethane	97	4.486	4.486	0.000	99	1056147	100.0	102.7	
53 Cyclohexane	56	4.547	4.547	0.000	93	1592428	100.0	105.2	
54 1,1-Dichloropropene	75	4.637	4.640	-0.003	95	1045764	100.0	103.0	
55 Carbon tetrachloride	117	4.650	4.656	-0.006	98	877028	100.0	104.0	
56 Isobutyl alcohol	41	4.743	4.749	-0.006	95	712124	1250.0	1261.0	
\$ 57 1,2-Dichloroethane-d4 (Surr)	102	4.775	4.788	-0.013	94	77098	50.0	49.5	
58 Benzene	78	4.845	4.845	0.000	96	2967704	100.0	99.9	
59 1,2-Dichloroethane	62	4.852	4.858	-0.006	97	923551	100.0	97.5	
60 Tert-amyl methyl ether	73	4.967	4.970	-0.003	98	2245940	100.0	98.9	
* 61 Fluorobenzene (IS)	96	5.121	5.115	0.006	84	1200810	50.0	50.0	
62 n-Heptane	43	5.125	5.128	-0.003	94	1493060	100.0	106.9	
63 n-Butanol	56	5.420	5.429	-0.009	90	623142	1250.0	1309.7	
64 Trichloroethene	95	5.494	5.497	-0.003	99	719835	100.0	101.4	
66 Methylcyclohexane	83	5.705	5.708	-0.003	94	1543552	100.0	104.5	
67 1,2-Dichloropropane	63	5.721	5.725	-0.004	99	805727	100.0	99.5	
68 2-ethoxy-2-methyl butane	87	5.779	5.779	0.000	91	1129130	100.0	101.8	
69 Dibromomethane	93	5.843	5.843	0.000	95	437469	100.0	99.8	
70 Methyl methacrylate	69	5.853	5.856	-0.003	95	772608	100.0	103.2	
71 1,4-Dioxane	88	5.853	5.869	-0.016	35	130165	1250.0	1300.9	
72 Dichlorobromomethane	83	6.013	6.013	0.000	99	853892	100.0	102.7	
S 73 1,2-Dichloroethene, Total	100				0			200.0	
74 2-Nitropropane	41	6.248	6.254	-0.006	98	1521736	500.0	543.7	
75 2-Chloroethyl vinyl ether	63	6.341	6.344	-0.003	92	662209	100.0	103.2	
77 cis-1,3-Dichloropropene	75	6.492	6.491	0.001	95	1212851	100.0	102.6	
78 4-Methyl-2-pentanone (MIBK)	43	6.665	6.668	-0.003	97	2802249	200.0	198.7	
\$ 79 Toluene-d8 (Surr)	98	6.780	6.783	-0.003	94	1243047	50.0	49.8	
80 Toluene	92	6.854	6.857	-0.003	98	1844501	100.0	96.8	
81 trans-1,3-Dichloropropene	75	7.098	7.098	0.000	94	1122432	100.0	104.3	
84 Ethyl methacrylate	69	7.217	7.217	0.000	92	1251877	100.0	104.3	
87 1,1,2-Trichloroethane	97	7.291	7.290	0.001	91	654531	100.0	102.1	
88 Tetrachloroethene	166	7.441	7.438	0.003	98	767357	100.0	101.0	
89 1,3-Dichloropropane	76	7.461	7.461	0.000	94	1164877	100.0	99.4	
90 2-Hexanone	43	7.557	7.560	-0.003	97	2134264	200.0	200.7	
92 Chlorodibromomethane	129	7.682	7.685	-0.003	91	684829	100.0	104.1	
93 Ethylene Dibromide	107	7.788	7.791	-0.003	98	703901	100.0	101.5	
* 94 Chlorobenzene-d5 (IS)	117	8.231	8.227	0.004	87	884365	50.0	50.0	
95 1-Chlorohexane	91	8.247	8.250	-0.003	93	1037037	100.0	101.2	
96 Chlorobenzene	112	8.253	8.256	-0.003	94	1904295	100.0	99.1	
97 1,1,1,2-Tetrachloroethane	131	8.334	8.333	0.001	97	647632	100.0	101.2	
98 Ethylbenzene	91	8.362	8.362	0.000	98	3439284	100.0	99.5	
99 m-Xylene & p-Xylene	106	8.465	8.465	0.000	100	2683792	200.0	201.4	
101 o-Xylene	106	8.802	8.802	0.000	96	1331403	100.0	100.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
102 Styrene	104	8.812	8.811	0.001	95	2217949	100.0	102.5	
103 Bromoform	173	8.953	8.956	-0.003	98	530274	100.0	108.0	
104 Isopropylbenzene	105	9.107	9.107	0.000	96	3461507	100.0	101.7	
105 Cyclohexanone	55	9.171	9.171	0.000	94	558440	1250.0	1287.7	
\$ 106 4-Bromofluorobenzene (Surr)	95	9.222	9.222	0.000	90	441310	50.0	49.4	
108 Bromobenzene	156	9.338	9.338	0.000	96	789770	100.0	101.1	
109 1,1,2,2-Tetrachloroethane	83	9.338	9.341	-0.003	92	1139209	100.0	99.9	
110 1,2,3-Trichloropropane	110	9.370	9.370	0.000	84	326900	100.0	98.2	
111 trans-1,4-Dichloro-2-butene	53	9.383	9.383	0.000	95	1008083	250.0	259.8	
112 N-Propylbenzene	91	9.431	9.431	0.000	99	4058575	100.0	102.6	
113 2-Chlorotoluene	126	9.492	9.492	0.000	96	778572	100.0	101.0	
114 1,3,5-Trimethylbenzene	105	9.566	9.566	0.000	96	2895818	100.0	103.7	
115 4-Chlorotoluene	126	9.575	9.575	0.000	99	789226	100.0	101.8	
116 tert-Butylbenzene	134	9.813	9.813	0.000	94	605672	100.0	103.9	
118 1,2,4-Trimethylbenzene	105	9.845	9.845	0.000	98	2948846	100.0	103.8	
119 sec-Butylbenzene	105	9.973	9.973	0.000	94	3635699	100.0	104.7	
121 1,3-Dichlorobenzene	146	10.050	10.047	0.003	98	1544172	100.0	102.3	
S 122 1,3-Dichloropropene, Total	100				0			207.0	
123 4-Isopropyltoluene	119	10.079	10.076	0.003	97	3111981	100.0	105.6	
* 124 1,4-Dichlorobenzene-d4	152	10.095	10.095	0.000	95	490503	50.0	50.0	
125 1,4-Dichlorobenzene	146	10.114	10.111	0.003	95	1566825	100.0	100.2	
126 1,2,3-Trimethylbenzene	105	10.153	10.153	0.000	99	2968859	100.0	102.3	
127 Benzyl chloride	91	10.211	10.211	0.000	99	2380455	100.0	107.2	
128 1,3-Diethylbenzene	119	10.291	10.291	0.000	96	1856061	100.0	104.9	
129 p-Diethylbenzene	119	10.352	10.352	0.000	94	1929233	100.0	106.0	
130 n-Butylbenzene	92	10.368	10.368	0.000	98	1573277	100.0	107.5	
131 1,2-Dichlorobenzene	146	10.378	10.381	-0.003	98	1511101	100.0	101.7	
132 o-diethylbenzene	119	10.435	10.432	0.003	95	1559620	100.0	104.1	
133 1,2-Dibromo-3-Chloropropane	75	10.913	10.917	-0.004	86	293939	100.0	100.0	
134 1,3,5-Trichlorobenzene	180	11.061	11.061	0.000	98	1163986	100.0	104.8	
S 135 Xylenes, Total	106				0			301.7	
136 1,2,4-Trichlorobenzene	180	11.469	11.468	0.001	94	1109659	100.0	103.1	
137 Hexachlorobutadiene	225	11.581	11.581	0.000	96	460496	100.0	107.5	
138 Naphthalene	128	11.632	11.632	0.000	97	3906906	100.0	102.0	
139 1,2,3-Trichlorobenzene	180	11.790	11.786	0.004	96	1067956	100.0	101.4	
140 2-Methylnaphthalene	142	12.354	12.354	0.000	94	2340115	100.0	110.4	
S 156 Total Diethylbenzene	1				0			315.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00042	Amount Added: 5.00	Units: uL	
MSV_VCYC_00007	Amount Added: 10.00	Units: uL	
MSV_CCV_VOC#3_00041	Amount Added: 4.00	Units: uL	
MSV_CCV_2CEVE_00039	Amount Added: 5.00	Units: uL	
MSV_CCV_ETOH_00001	Amount Added: 10.00	Units: uL	
MSV_CCV_GASES_00119	Amount Added: 2.50	Units: uL	
MSV_HP18_ISSS_00023	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 16-Dec-2021 15:04:20

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15112.D

Injection Date: 15-Dec-2021 14:57:30

Instrument ID: 9137

Operator ID: jml01693

Lims ID: IC v100

Worklist Smp#: 12

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

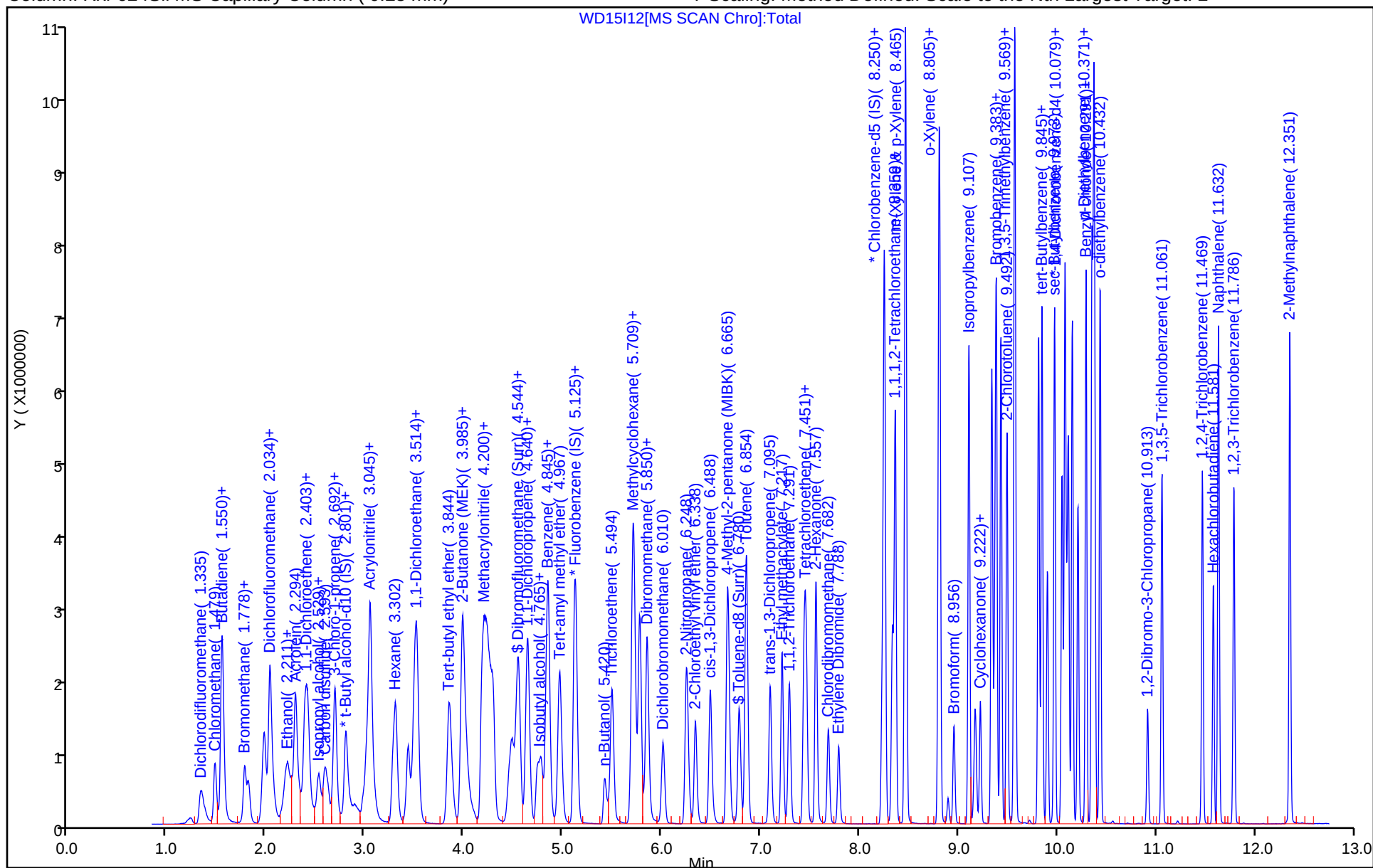
ALS Bottle#: 12

Method: MSVoa_9137

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15112.D

Injection Date: 15-Dec-2021 14:57:30

Instrument ID: 9137

Lims ID: IC v100

Client ID:

Operator ID: jml01693

ALS Bottle#: 12

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: MSVoa_9137

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

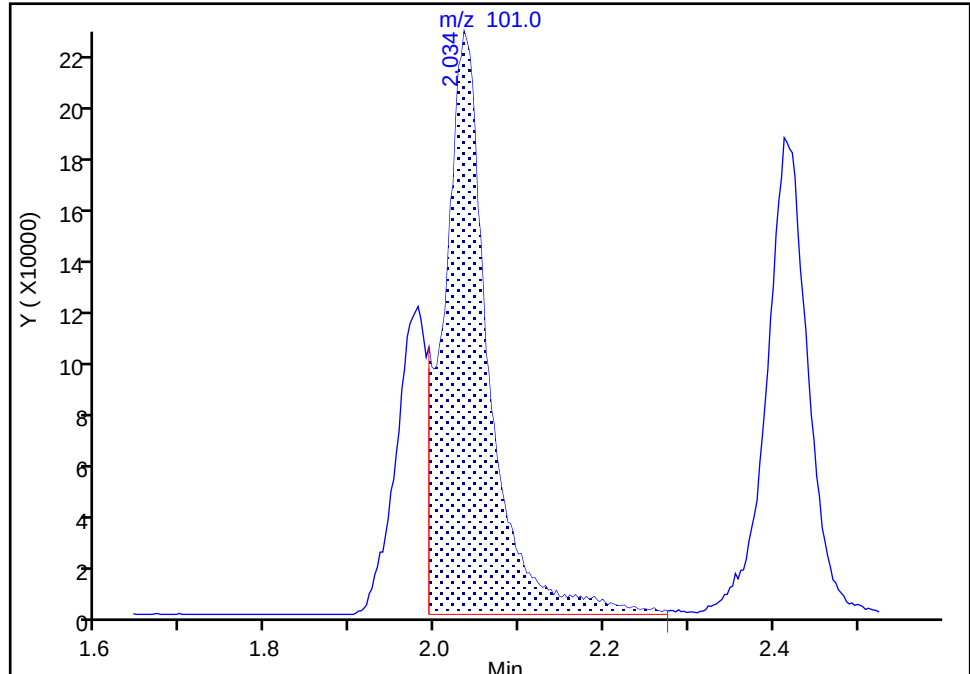
MS Quad

14 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

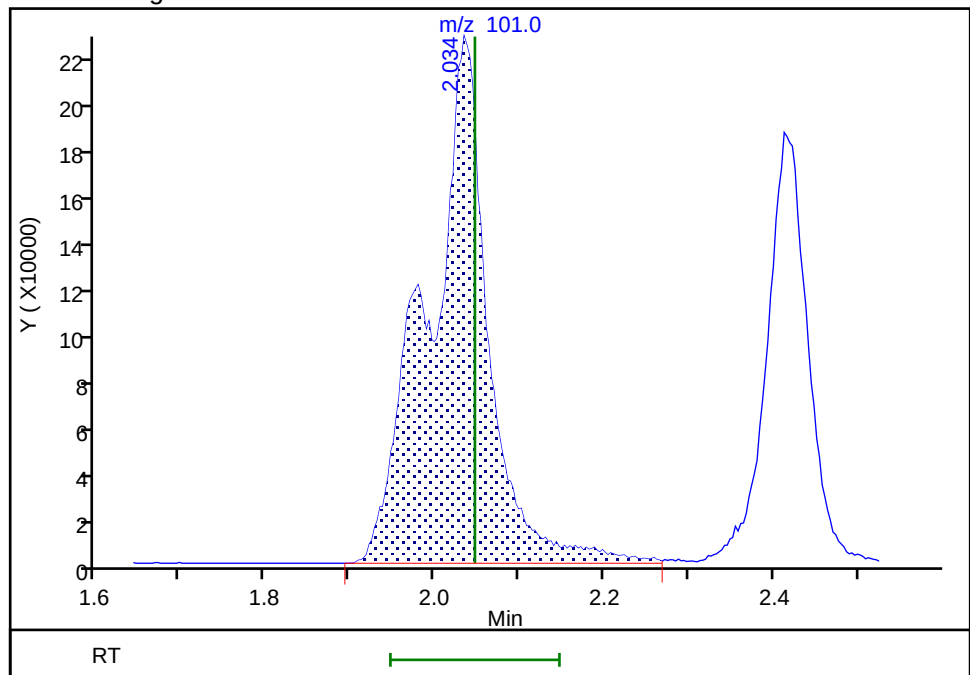
RT: 2.03
Area: 847328
Amount: 101.6162
Amount Units: ug/l

Processing Integration Results



RT: 2.03
Area: 1135885
Amount: 98.034806
Amount Units: ug/l

Manual Integration Results



Reviewer: spositok, 15-Dec-2021 17:32:01

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15113.D
 Lims ID: ICIS v50
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 15-Dec-2021 15:17:30 ALS Bottle#: 13 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0046415-013
 Misc. Info.: ICIS STD5
 Operator ID: jml01693 Instrument ID: 9137
 Sublist: chrom-MSVoa_9137*sub28
 Method: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\MSVoa_9137.m
 Limit Group: MSV - 8260C_D
 Last Update: 16-Dec-2021 15:04:25 Calib Date: 15-Dec-2021 16:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15117.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: spositok

Date: 15-Dec-2021 17:22:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.354	1.354	0.000	100	426441	50.0	51.2	
5 Chloromethane	50	1.486	1.486	0.000	100	516926	50.0	46.2	
8 Butadiene	39	1.553	1.553	0.000	95	522293	50.0	46.2	
7 Vinyl chloride	62	1.563	1.563	0.000	99	530871	50.0	47.7	
10 Bromomethane	94	1.790	1.790	0.000	90	302159	50.0	47.8	
11 Chloroethane	64	1.826	1.826	0.000	100	293736	50.0	47.6	
13 Dichlorofluoromethane	67	1.980	1.980	0.000	98	648994	50.0	48.0	
15 Pentane	43	2.047	2.047	0.000	97	753050	50.0	51.1	
14 Trichlorofluoromethane	101	2.047	2.047	0.000	56	562927	50.0	49.3	M
16 Ethanol	45	2.131	2.131	0.000	89	175385	1250.1	1247.9	M
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.227	2.227	0.000	95	456875	50.0	47.8	
19 Acrolein	56	2.307	2.307	0.000	99	1419527	501.1	499.6	
20 1,1-Dichloroethene	96	2.400	2.400	0.000	97	309200	50.0	49.8	
22 Acetone	58	2.423	2.423	0.000	75	127435	100.0	95.0	
21 112TCTFE	101	2.429	2.429	0.000	93	309123	50.0	53.3	
23 Isopropyl alcohol	45	2.535	2.535	0.000	38	254274	250.0	265.1	
24 Iodomethane	142	2.535	2.535	0.000	97	483818	50.0	49.3	
25 Carbon disulfide	76	2.605	2.605	0.000	99	895740	50.0	50.2	
26 3-Chloro-1-propene	41	2.702	2.702	0.000	93	632754	50.0	49.8	
27 Methyl acetate	43	2.715	2.715	0.000	99	504485	50.0	50.3	
28 Methylene Chloride	84	2.808	2.808	0.000	96	344490	50.0	48.9	
* 30 t-Butyl alcohol-d10 (IS)	65	2.833	2.833	0.000	64	372193	250.0	250.0	
31 2-Methyl-2-propanol	59	2.907	2.907	0.000	98	490176	250.0	269.2	
32 Acrylonitrile	53	3.019	3.019	0.000	100	593070	125.0	121.1	
34 Methyl tert-butyl ether	73	3.058	3.058	0.000	91	1092943	50.0	48.9	
33 trans-1,2-Dichloroethene	96	3.058	3.058	0.000	99	330864	50.0	49.4	
35 Hexane	57	3.315	3.315	0.000	94	639970	50.0	51.7	
36 1,1-Dichloroethane	63	3.440	3.440	0.000	96	653441	50.0	49.6	
37 Isopropyl ether	45	3.510	3.510	0.000	95	1262080	50.0	48.8	
38 2-Chloro-1,3-butadiene	53	3.530	3.530	0.000	92	588961	50.0	50.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	3.854	3.854	0.000	98	1151726	50.0	48.8	
43 2-Butanone (MEK)	43	3.979	3.979	0.000	100	715071	100.0	98.0	
41 cis-1,2-Dichloroethene	96	3.992	3.992	0.000	87	348466	50.0	48.1	
42 2,2-Dichloropropane	77	4.001	4.001	0.000	87	527521	50.0	49.3	
44 Propionitrile	54	4.037	4.037	0.000	99	511501	250.0	250.7	
45 Methacrylonitrile	67	4.187	4.187	0.000	94	613276	125.0	125.3	
46 Chlorobromomethane	128	4.223	4.223	0.000	96	168370	50.0	49.4	
47 Tetrahydrofuran	71	4.255	4.255	0.000	90	442616	250.0	246.8	
48 Chloroform	83	4.293	4.293	0.000	95	560566	50.0	49.5	
\$ 50 Dibromofluoromethane (Surr)	113	4.454	4.454	0.000	93	275741	50.0	49.9	
51 1,1,1-Trichloroethane	97	4.486	4.486	0.000	99	517628	50.0	51.1	
53 Cyclohexane	56	4.547	4.547	0.000	94	775016	50.0	52.0	
54 1,1-Dichloropropene	75	4.640	4.640	0.000	97	513882	50.0	51.4	
55 Carbon tetrachloride	117	4.656	4.656	0.000	98	426330	50.0	51.3	
56 Isobutyl alcohol	41	4.749	4.749	0.000	96	370099	625.0	626.1	
\$ 57 1,2-Dichloroethane-d4 (Surr)	102	4.788	4.788	0.000	96	77346	50.0	50.4	
58 Benzene	78	4.845	4.845	0.000	97	1449688	50.0	49.5	
59 1,2-Dichloroethane	62	4.858	4.858	0.000	97	450828	50.0	48.3	
60 Tert-amyl methyl ether	73	4.970	4.970	0.000	98	1102316	50.0	49.3	
* 61 Fluorobenzene (IS)	96	5.124	5.124	0.000	93	1182847	50.0	50.0	
62 n-Heptane	43	5.128	5.128	0.000	74	706734	50.0	51.4	
63 n-Butanol	56	5.429	5.429	0.000	89	321030	625.0	644.6	
64 Trichloroethene	95	5.497	5.497	0.000	99	349651	50.0	50.0	
66 Methylcyclohexane	83	5.708	5.708	0.000	94	741779	50.0	51.0	
67 1,2-Dichloropropane	63	5.725	5.725	0.000	98	392616	50.0	49.2	
68 2-ethoxy-2-methyl butane	87	5.779	5.779	0.000	91	540370	50.0	49.5	
69 Dibromomethane	93	5.843	5.843	0.000	96	209477	50.0	48.5	
70 Methyl methacrylate	69	5.856	5.856	0.000	95	371965	50.0	50.5	
71 1,4-Dioxane	88	5.869	5.869	0.000	32	67687	625.0	646.2	
72 Dichlorobromomethane	83	6.013	6.013	0.000	100	409013	50.0	49.9	
74 2-Nitropropane	41	6.254	6.254	0.000	97	747246	250.0	255.0	
75 2-Chloroethyl vinyl ether	63	6.344	6.344	0.000	92	326362	50.0	51.6	
77 cis-1,3-Dichloropropene	75	6.491	6.491	0.000	95	580756	50.0	49.9	
78 4-Methyl-2-pentanone (MIBK)	43	6.668	6.668	0.000	97	1403688	100.0	101.0	
\$ 79 Toluene-d8 (Surr)	98	6.783	6.783	0.000	93	1210576	50.0	50.2	
80 Toluene	92	6.857	6.857	0.000	98	896876	50.0	48.7	
81 trans-1,3-Dichloropropene	75	7.098	7.098	0.000	94	532467	50.0	51.2	
84 Ethyl methacrylate	69	7.217	7.217	0.000	92	602324	50.0	51.9	
87 1,1,2-Trichloroethane	97	7.290	7.290	0.000	91	314784	50.0	50.8	
88 Tetrachloroethene	166	7.438	7.438	0.000	98	371160	50.0	50.5	
89 1,3-Dichloropropane	76	7.461	7.461	0.000	93	562942	50.0	49.7	
90 2-Hexanone	43	7.560	7.560	0.000	97	1086220	100.0	105.6	
92 Chlorodibromomethane	129	7.685	7.685	0.000	91	324291	50.0	51.0	
93 Ethylene Dibromide	107	7.791	7.791	0.000	98	336469	50.0	50.2	
* 94 Chlorobenzene-d5 (IS)	117	8.231	8.231	0.000	87	855255	50.0	50.0	
95 1-Chlorohexane	91	8.250	8.250	0.000	93	496904	50.0	50.1	
96 Chlorobenzene	112	8.256	8.256	0.000	94	923609	50.0	49.7	
97 1,1,1,2-Tetrachloroethane	131	8.333	8.333	0.000	97	313734	50.0	50.7	
98 Ethylbenzene	91	8.362	8.362	0.000	98	1695385	50.0	50.7	
99 m-Xylene & p-Xylene	106	8.465	8.465	0.000	100	1315024	100.0	102.0	
101 o-Xylene	106	8.802	8.802	0.000	96	647786	50.0	50.4	
102 Styrene	104	8.811	8.811	0.000	95	1062319	50.0	50.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
103 Bromoform	173	8.956	8.956	0.000	97	255101	50.0	53.7	
104 Isopropylbenzene	105	9.107	9.107	0.000	96	1702064	50.0	51.7	
105 Cyclohexanone	55	9.171	9.171	0.000	94	300274	625.0	661.4	
\$ 106 4-Bromofluorobenzene (Surr)	95	9.222	9.222	0.000	90	430673	50.0	49.9	
108 Bromobenzene	156	9.338	9.338	0.000	95	384117	50.0	50.7	
109 1,1,2,2-Tetrachloroethane	83	9.341	9.341	0.000	92	562035	50.0	50.9	
110 1,2,3-Trichloropropane	110	9.370	9.370	0.000	84	161826	50.0	50.2	
111 trans-1,4-Dichloro-2-butene	53	9.383	9.383	0.000	93	483509	125.0	128.6	
112 N-Propylbenzene	91	9.431	9.431	0.000	99	1972809	50.0	51.5	
113 2-Chlorotoluene	126	9.492	9.492	0.000	96	381621	50.0	51.1	
114 1,3,5-Trimethylbenzene	105	9.566	9.566	0.000	95	1407713	50.0	52.0	
115 4-Chlorotoluene	126	9.575	9.575	0.000	99	386588	50.0	51.4	
116 tert-Butylbenzene	134	9.813	9.813	0.000	94	284495	50.0	50.3	
118 1,2,4-Trimethylbenzene	105	9.845	9.845	0.000	97	1426647	50.0	51.8	
119 sec-Butylbenzene	105	9.973	9.973	0.000	94	1778355	50.0	52.8	
121 1,3-Dichlorobenzene	146	10.047	10.047	0.000	98	743283	50.0	50.8	
123 4-Isopropyltoluene	119	10.076	10.076	0.000	97	1503161	50.0	52.6	
* 124 1,4-Dichlorobenzene-d4	152	10.095	10.095	0.000	95	475362	50.0	50.0	
125 1,4-Dichlorobenzene	146	10.111	10.111	0.000	95	764075	50.0	50.4	
126 1,2,3-Trimethylbenzene	105	10.153	10.153	0.000	99	1445288	50.0	51.4	
127 Benzyl chloride	91	10.211	10.211	0.000	99	1139661	50.0	52.9	
128 1,3-Diethylbenzene	119	10.291	10.291	0.000	96	901371	50.0	52.6	
129 p-Diethylbenzene	119	10.352	10.352	0.000	94	942289	50.0	53.4	
130 n-Butylbenzene	92	10.368	10.368	0.000	98	757675	50.0	53.4	
131 1,2-Dichlorobenzene	146	10.381	10.381	0.000	98	735359	50.0	51.1	
132 o-diethylbenzene	119	10.432	10.432	0.000	95	760103	50.0	52.3	
133 1,2-Dibromo-3-Chloropropane	75	10.917	10.917	0.000	84	145865	50.0	51.2	
134 1,3,5-Trichlorobenzene	180	11.061	11.061	0.000	97	561609	50.0	52.2	
136 1,2,4-Trichlorobenzene	180	11.468	11.468	0.000	94	536036	50.0	51.4	
137 Hexachlorobutadiene	225	11.581	11.581	0.000	96	216461	50.0	52.1	
138 Naphthalene	128	11.632	11.632	0.000	97	1919279	50.0	51.7	
139 1,2,3-Trichlorobenzene	180	11.786	11.786	0.000	96	521197	50.0	51.1	
140 2-Methylnaphthalene	142	12.354	12.354	0.000	92	1111235	50.0	54.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00042

Amount Added: 5.00

Units: uL

MSV_VCYC_00007

Amount Added: 10.00

Units: uL

MSV_CCV_VOC#3_00041

Amount Added: 4.00

Units: uL

MSV_CCV_2CEVE_00039

Amount Added: 5.00

Units: uL

MSV_CCV_ETOH_00001

Amount Added: 10.00

Units: uL

MSV_CCV_GASES_00119

Amount Added: 2.50

Units: uL

MSV_HP18_ISSS_00023

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 16-Dec-2021 15:04:26

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15113.D

Injection Date: 15-Dec-2021 15:17:30

Instrument ID: 9137

Operator ID: jml01693

Lims ID: ICIS v50

Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

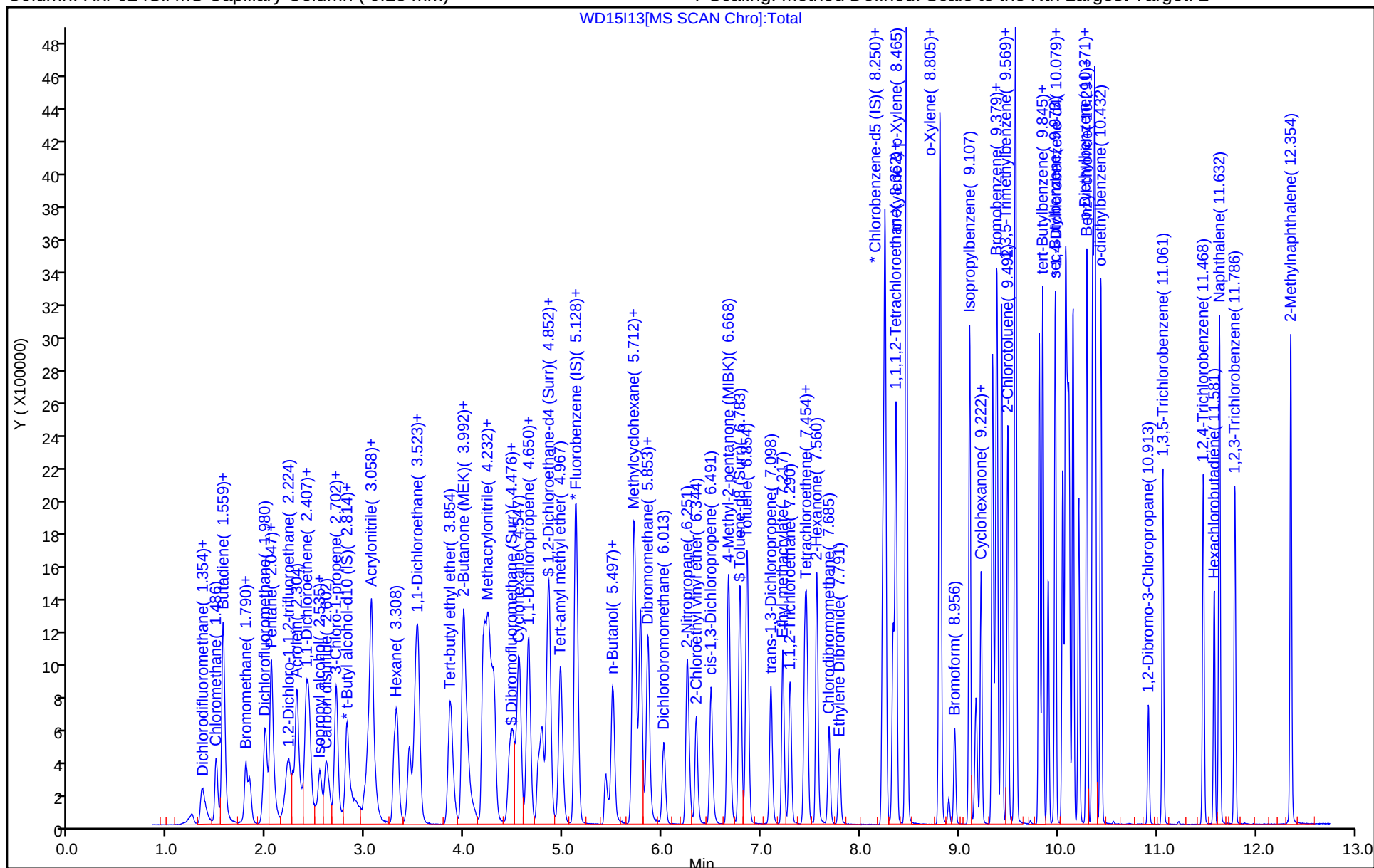
ALS Bottle#: 13

Method: MSVoa_9137

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15113.D

Injection Date: 15-Dec-2021 15:17:30

Instrument ID: 9137

Lims ID: ICIS v50

Client ID:

Operator ID: jml01693

ALS Bottle#:

13

Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_9137

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

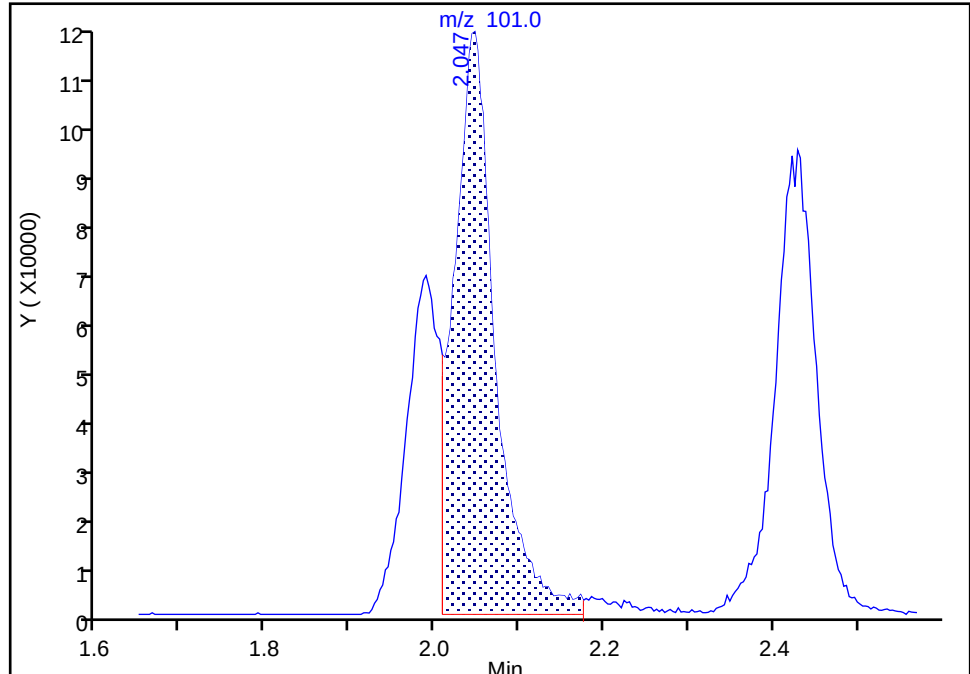
MS Quad

14 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

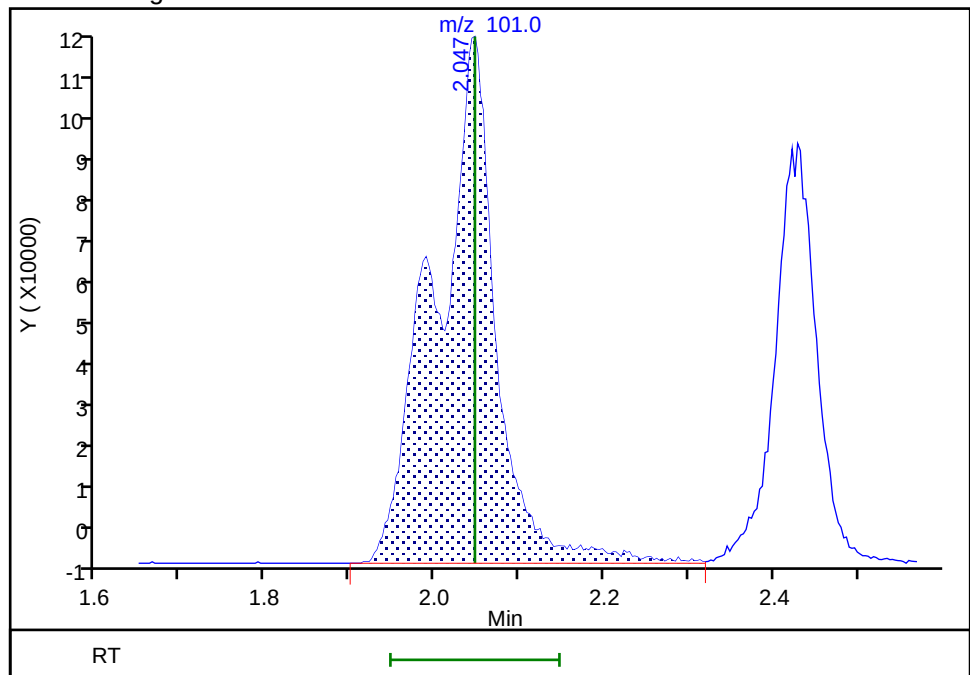
RT: 2.05
Area: 382063
Amount: 44.323687
Amount Units: ug/l

Processing Integration Results



RT: 2.05
Area: 562927
Amount: 49.322347
Amount Units: ug/l

Manual Integration Results



Reviewer: spositok, 15-Dec-2021 17:34:19

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15113.D

Injection Date: 15-Dec-2021 15:17:30

Instrument ID: 9137

Lims ID: ICIS v50

Client ID:

Operator ID: jml01693

ALS Bottle#:

13

Worklist Smp#: 13

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: MSVoa_9137

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

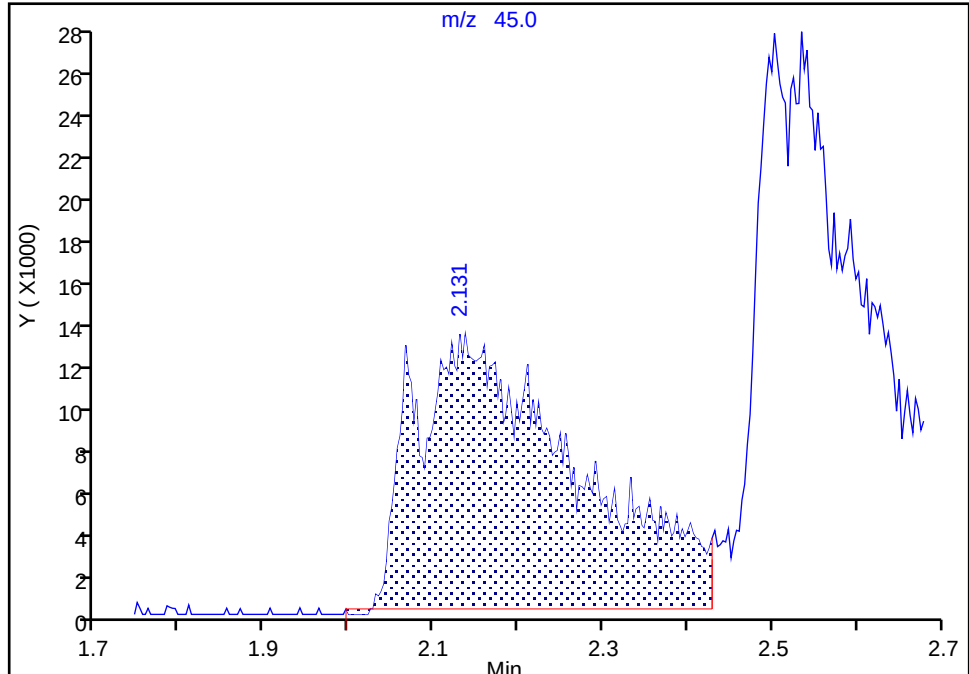
MS Quad

16 Ethanol, CAS: 64-17-5

Signal: 1

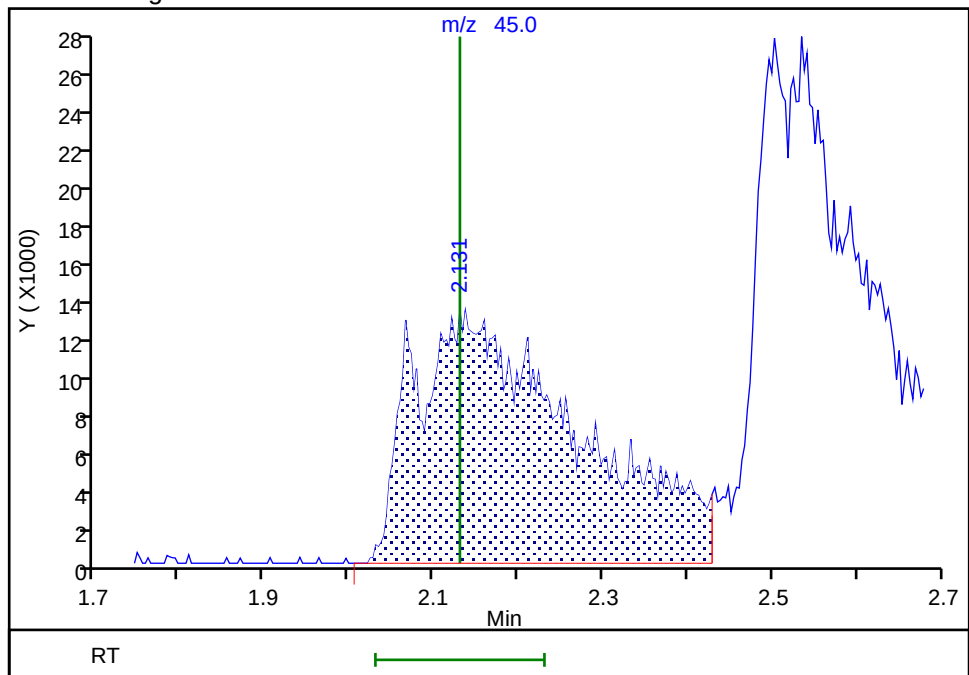
RT: 2.13
Area: 168734
Amount: 1374.6992
Amount Units: ug/l

Processing Integration Results



RT: 2.13
Area: 175385
Amount: 1247.9404
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 16-Dec-2021 13:27:28

Audit Action: Assigned New Baseline

Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15114.D
 Lims ID: IC v20
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 15-Dec-2021 15:36:30 ALS Bottle#: 14 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0046415-014
 Misc. Info.: IC STD4
 Operator ID: jml01693 Instrument ID: 9137
 Sublist: chrom-MSVoa_9137*sub28
 Method: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\MSVoa_9137.m
 Limit Group: MSV - 8260C_D
 Last Update: 16-Dec-2021 15:04:31 Calib Date: 15-Dec-2021 16:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15117.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: longj

Date: 16-Dec-2021 13:30:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.351	1.354	-0.003	99	179058	20.0	21.4	
5 Chloromethane	50	1.482	1.486	-0.004	99	226597	20.0	20.2	
8 Butadiene	39	1.553	1.553	0.000	94	234721	20.0	20.7	
7 Vinyl chloride	62	1.563	1.563	0.000	98	229338	20.0	20.5	
10 Bromomethane	94	1.787	1.790	-0.003	89	133174	20.0	21.0	
11 Chloroethane	64	1.823	1.826	-0.003	100	128077	20.0	20.7	
13 Dichlorofluoromethane	67	1.977	1.980	-0.003	98	282397	20.0	20.8	
15 Pentane	43	2.041	2.047	-0.006	98	288248	20.0	19.5	
14 Trichlorofluoromethane	101	2.047	2.047	0.000	55	238634	20.0	20.8	M
16 Ethanol	45	2.127	2.131	-0.004	92	136806	1000.1	953.6	
18 1,2-Dichloro-1,1,2-trifluoroetha	67	2.220	2.227	-0.007	96	203392	20.0	21.2	
19 Acrolein	56	2.301	2.307	-0.006	99	579837	200.4	199.9	
20 1,1-Dichloroethene	96	2.394	2.400	-0.006	97	119697	20.0	19.2	
22 Acetone	58	2.429	2.423	0.006	89	49772	40.0	36.4	
21 112TCTFE	101	2.423	2.429	-0.006	93	117876	20.0	20.2	
23 Isopropyl alcohol	45	2.496	2.535	-0.039	98	177225	200.0	181.0	M
24 Iodomethane	142	2.535	2.535	0.000	98	193301	20.0	19.6	
25 Carbon disulfide	76	2.596	2.605	-0.009	99	352169	20.0	19.6	
26 3-Chloro-1-propene	41	2.695	2.702	-0.007	93	256353	20.0	20.1	
27 Methyl acetate	43	2.715	2.715	0.000	96	189689	20.0	18.8	M
28 Methylene Chloride	84	2.811	2.808	0.003	98	140021	20.0	19.8	
* 30 t-Butyl alcohol-d10 (IS)	65	2.840	2.833	0.007	96	379944	250.0	250.0	
31 2-Methyl-2-propanol	59	2.933	2.907	0.026	98	390269	200.0	210.0	
32 Acrylonitrile	53	3.019	3.019	0.000	99	244477	50.0	49.7	
34 Methyl tert-butyl ether	73	3.058	3.058	0.000	90	437705	20.0	19.5	
33 trans-1,2-Dichloroethene	96	3.058	3.058	0.000	96	131275	20.0	19.5	
35 Hexane	57	3.305	3.315	-0.010	93	249144	20.0	20.0	
36 1,1-Dichloroethane	63	3.437	3.440	-0.003	97	263274	20.0	19.9	
37 Isopropyl ether	45	3.504	3.510	-0.006	96	515668	20.0	19.9	
38 2-Chloro-1,3-butadiene	53	3.530	3.530	0.000	91	230323	20.0	19.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	3.854	3.854	0.000	99	467630	20.0	19.7	
43 2-Butanone (MEK)	43	3.982	3.979	0.003	98	295859	40.0	40.4	
41 cis-1,2-Dichloroethene	96	3.989	3.992	-0.003	86	141241	20.0	19.4	
42 2,2-Dichloropropane	77	3.998	4.001	-0.003	83	209767	20.0	19.5	
44 Propionitrile	54	4.037	4.037	0.000	99	418798	200.0	201.1	
45 Methacrylonitrile	67	4.188	4.187	0.001	94	503884	100.0	102.6	
46 Chlorobromomethane	128	4.223	4.223	0.000	97	68393	20.0	20.0	
47 Tetrahydrofuran	71	4.252	4.255	-0.003	85	175839	100.0	96.1	
48 Chloroform	83	4.293	4.293	0.000	95	227303	20.0	20.0	
\$ 50 Dibromofluoromethane (Surr)	113	4.454	4.454	0.000	94	275017	50.0	49.5	
51 1,1,1-Trichloroethane	97	4.486	4.486	0.000	98	201572	20.0	19.8	
53 Cyclohexane	56	4.550	4.547	0.003	93	302712	20.0	20.2	
54 1,1-Dichloropropene	75	4.646	4.640	0.006	97	199071	20.0	19.8	
55 Carbon tetrachloride	117	4.650	4.656	-0.006	97	169754	20.0	20.3	
56 Isobutyl alcohol	41	4.746	4.749	-0.003	95	308473	500.0	511.2	
\$ 57 1,2-Dichloroethane-d4 (Surr)	102	4.775	4.788	-0.013	96	77078	50.0	50.0	
58 Benzene	78	4.842	4.845	-0.003	96	578147	20.0	19.7	
59 1,2-Dichloroethane	62	4.852	4.858	-0.006	97	181742	20.0	19.4	
60 Tert-amyl methyl ether	73	4.967	4.970	-0.003	99	445147	20.0	19.8	
* 61 Fluorobenzene (IS)	96	5.121	5.124	-0.003	97	1187842	50.0	50.0	
62 n-Heptane	43	5.125	5.128	-0.003	65	273977	20.0	19.8	
63 n-Butanol	56	5.423	5.429	-0.006	90	405171	750.0	796.9	
64 Trichloroethene	95	5.497	5.497	0.000	99	137484	20.0	19.6	
66 Methylcyclohexane	83	5.709	5.708	0.001	94	286501	20.0	19.6	
67 1,2-Dichloropropane	63	5.718	5.725	-0.007	97	158835	20.0	19.8	
68 2-ethoxy-2-methyl butane	87	5.776	5.779	-0.003	91	216833	20.0	19.8	
69 Dibromomethane	93	5.847	5.843	0.004	96	85125	20.0	19.6	
70 Methyl methacrylate	69	5.863	5.856	0.007	94	147740	20.0	20.0	
71 1,4-Dioxane	88	5.856	5.869	-0.013	35	55602	500.0	520.0	
72 Dichlorobromomethane	83	6.017	6.013	0.004	99	163793	20.0	19.9	
S 73 1,2-Dichloroethene, Total	100				0			38.9	
74 2-Nitropropane	41	6.248	6.254	-0.006	98	288982	100.0	96.6	
75 2-Chloroethyl vinyl ether	63	6.344	6.344	0.000	92	125401	20.0	19.8	
77 cis-1,3-Dichloropropene	75	6.488	6.491	-0.003	95	232378	20.0	19.9	
78 4-Methyl-2-pentanone (MIBK)	43	6.668	6.668	0.000	98	567113	40.0	40.6	
\$ 79 Toluene-d8 (Surr)	98	6.784	6.783	0.001	93	1228304	50.0	50.7	
80 Toluene	92	6.854	6.857	-0.003	98	366978	20.0	19.8	
81 trans-1,3-Dichloropropene	75	7.098	7.098	0.000	94	207396	20.0	19.8	
84 Ethyl methacrylate	69	7.217	7.217	0.000	91	240799	20.0	20.7	
87 1,1,2-Trichloroethane	97	7.291	7.290	0.001	90	127275	20.0	20.4	
88 Tetrachloroethene	166	7.441	7.438	0.003	98	145528	20.0	19.7	
89 1,3-Dichloropropane	76	7.461	7.461	0.000	94	224937	20.0	19.8	
90 2-Hexanone	43	7.560	7.560	0.000	98	433224	40.0	41.9	
92 Chlorodibromomethane	129	7.685	7.685	0.000	90	127974	20.0	20.0	
93 Ethylene Dibromide	107	7.791	7.791	0.000	98	133545	20.0	19.8	
* 94 Chlorobenzene-d5 (IS)	117	8.231	8.231	0.000	88	859122	50.0	50.0	
95 1-Chlorohexane	91	8.250	8.250	0.000	94	196101	20.0	19.7	
96 Chlorobenzene	112	8.256	8.256	0.000	94	370073	20.0	19.8	
97 1,1,1,2-Tetrachloroethane	131	8.333	8.333	0.000	97	124751	20.0	20.1	
98 Ethylbenzene	91	8.362	8.362	0.000	99	677639	20.0	20.2	
99 m-Xylene & p-Xylene	106	8.465	8.465	0.000	100	520142	40.0	40.2	
101 o-Xylene	106	8.802	8.802	0.000	96	264897	20.0	20.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
102 Styrene	104	8.812	8.811	0.001	95	422311	20.0	20.1	
103 Bromoform	173	8.956	8.956	0.000	98	95720	20.0	20.1	
104 Isopropylbenzene	105	9.107	9.107	0.000	96	672034	20.0	20.3	
105 Cyclohexanone	55	9.174	9.171	0.003	94	233355	500.0	503.5	
\$ 106 4-Bromofluorobenzene (Surr)	95	9.222	9.222	0.000	90	442231	50.0	51.0	
108 Bromobenzene	156	9.338	9.338	0.000	95	152200	20.0	19.6	
109 1,1,2,2-Tetrachloroethane	83	9.341	9.341	0.000	94	224945	20.0	19.8	
110 1,2,3-Trichloropropane	110	9.370	9.370	0.000	83	66944	20.0	20.2	
111 trans-1,4-Dichloro-2-butene	53	9.383	9.383	0.000	93	403619	100.0	104.5	
112 N-Propylbenzene	91	9.431	9.431	0.000	99	794885	20.0	20.2	
113 2-Chlorotoluene	126	9.495	9.492	0.003	96	151183	20.0	19.7	
114 1,3,5-Trimethylbenzene	105	9.566	9.566	0.000	95	561349	20.0	20.2	
115 4-Chlorotoluene	126	9.575	9.575	0.000	98	158119	20.0	20.5	
116 tert-Butylbenzene	134	9.813	9.813	0.000	93	115888	20.0	20.0	
118 1,2,4-Trimethylbenzene	105	9.845	9.845	0.000	98	578870	20.0	20.5	
119 sec-Butylbenzene	105	9.973	9.973	0.000	94	696579	20.0	20.2	
121 1,3-Dichlorobenzene	146	10.050	10.047	0.003	98	295690	20.0	19.7	
S 122 1,3-Dichloropropene, Total	100				0			39.7	
123 4-Isopropyltoluene	119	10.079	10.076	0.003	97	591036	20.0	20.1	
* 124 1,4-Dichlorobenzene-d4	152	10.095	10.095	0.000	96	488220	50.0	50.0	
125 1,4-Dichlorobenzene	146	10.114	10.111	0.003	96	304641	20.0	19.6	
126 1,2,3-Trimethylbenzene	105	10.153	10.153	0.000	99	589435	20.0	20.4	
127 Benzyl chloride	91	10.211	10.211	0.000	99	444985	20.0	20.1	
128 1,3-Diethylbenzene	119	10.291	10.291	0.000	95	352894	20.0	20.0	
129 p-Diethylbenzene	119	10.349	10.352	-0.003	94	365116	20.0	20.2	
130 n-Butylbenzene	92	10.368	10.368	0.000	98	292081	20.0	20.1	
131 1,2-Dichlorobenzene	146	10.378	10.381	-0.003	98	294193	20.0	19.9	
132 o-diethylbenzene	119	10.432	10.432	0.000	95	300584	20.0	20.2	
133 1,2-Dibromo-3-Chloropropane	75	10.917	10.917	0.000	83	56915	20.0	19.4	
134 1,3,5-Trichlorobenzene	180	11.061	11.061	0.000	98	224243	20.0	20.3	
S 135 Xylenes, Total	106				0			60.7	
136 1,2,4-Trichlorobenzene	180	11.469	11.468	0.001	95	210377	20.0	19.6	
137 Hexachlorobutadiene	225	11.578	11.581	-0.003	95	85389	20.0	20.0	
138 Naphthalene	128	11.632	11.632	0.000	97	778030	20.0	20.4	
139 1,2,3-Trichlorobenzene	180	11.789	11.786	0.003	95	206778	20.0	19.7	
140 2-Methylnaphthalene	142	12.354	12.354	0.000	92	424845	20.0	20.1	
S 156 Total Diethylbenzene	1				0			60.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00042	Amount Added: 4.00	Units: uL	
MSV_VCYC_00007	Amount Added: 16.00	Units: uL	
MSV_CCV_VOC#3_00041	Amount Added: 3.20	Units: uL	
MSV_V_VOA2_00118	Amount Added: 4.00	Units: uL	
MSV_CCV_2CEVE_00039	Amount Added: 4.00	Units: uL	
MSV_CCV_ETOH_00001	Amount Added: 16.00	Units: uL	
MSV_CCV_GASES_00119	Amount Added: 2.00	Units: uL	
MSV_HP18_ISSS_00023	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 16-Dec-2021 15:04:32

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15114.D

Injection Date: 15-Dec-2021 15:36:30

Instrument ID: 9137

Operator ID: jml01693

Lims ID: IC v20

Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

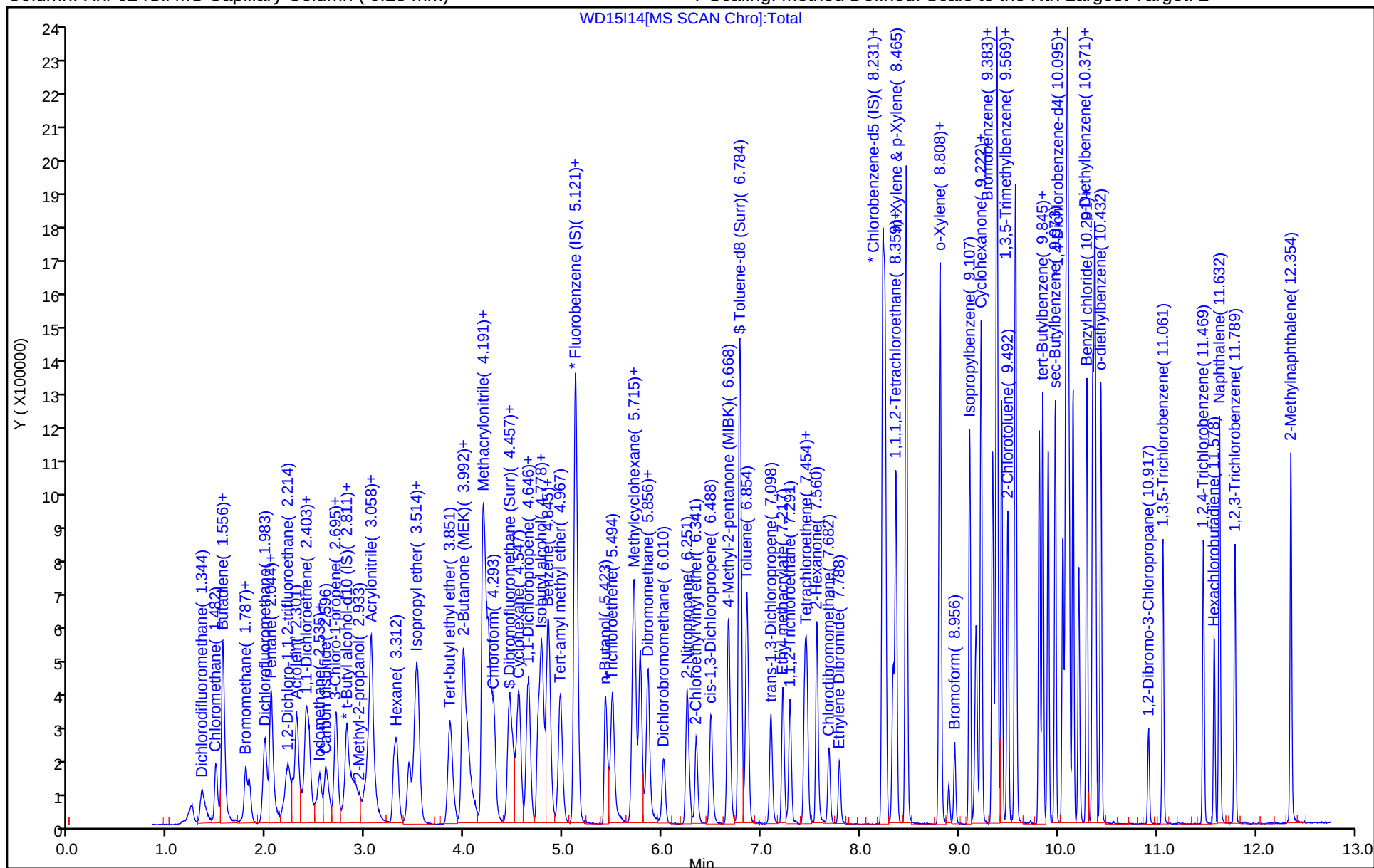
ALS Bottle#: 14

Method: MSVoa_9137

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Env, LLC

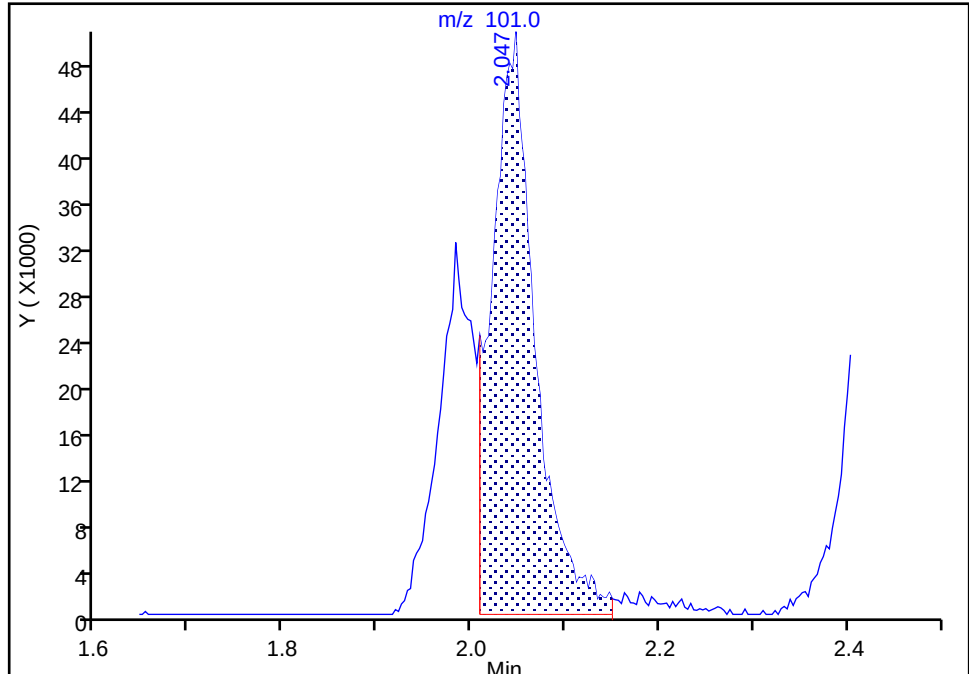
Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15114.D
Injection Date: 15-Dec-2021 15:36:30 Instrument ID: 9137
Lims ID: IC v20
Client ID:
Operator ID: jml01693 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

14 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

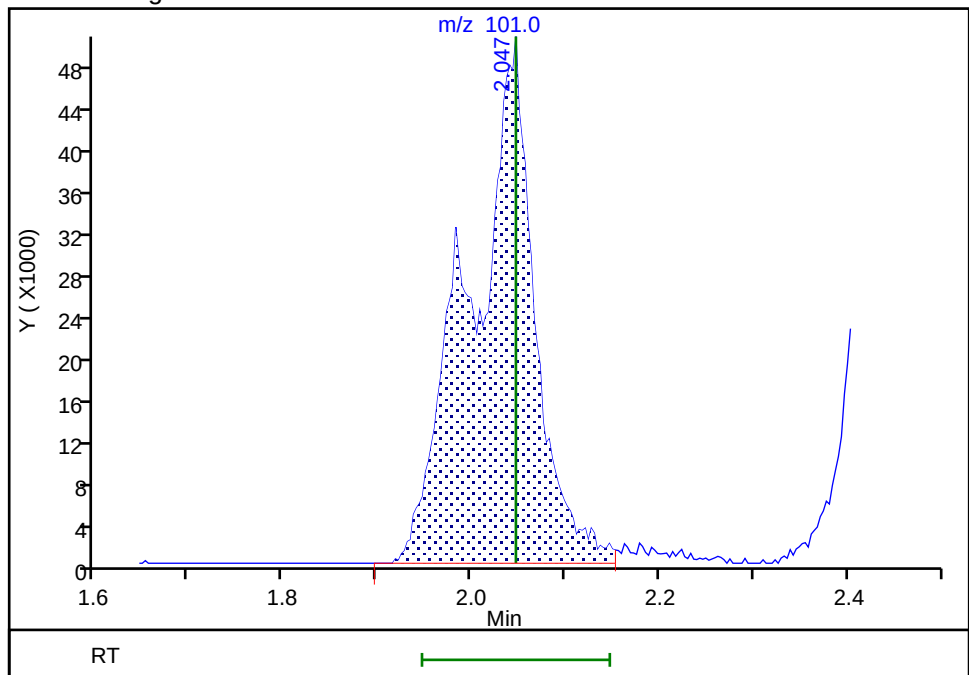
RT: 2.05
Area: 159561
Amount: 15.316058
Amount Units: ug/l

Processing Integration Results



RT: 2.05
Area: 238634
Amount: 20.820630
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 16-Dec-2021 13:30:29
Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15114.D

Injection Date: 15-Dec-2021 15:36:30

Instrument ID: 9137

Lims ID: IC v20

Client ID:

Operator ID: jml01693

ALS Bottle#:

14

Worklist Smp#: 14

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_9137

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

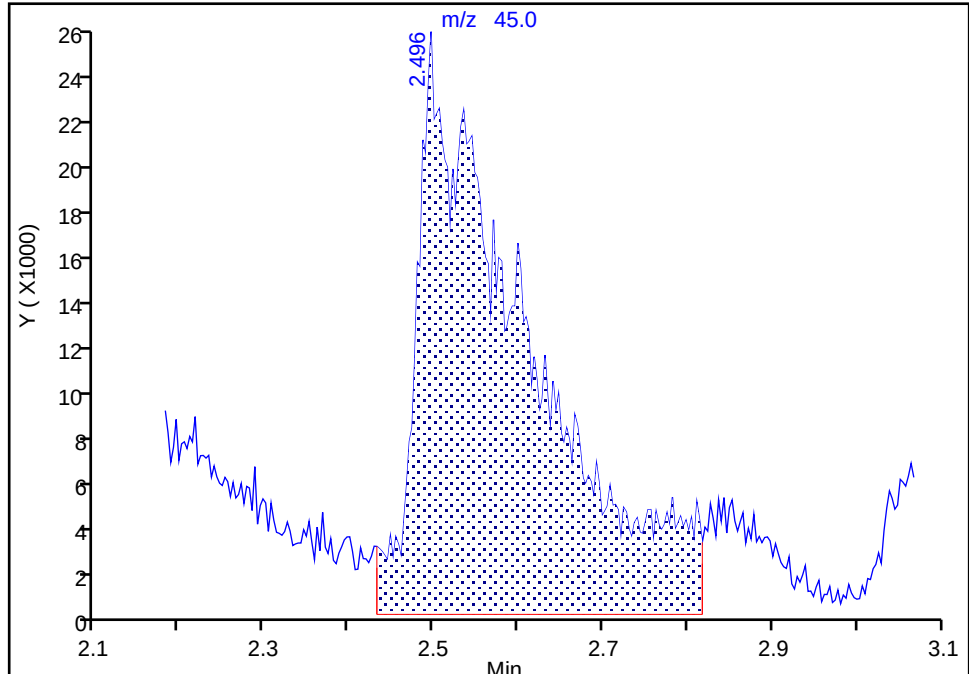
MS Quad

23 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

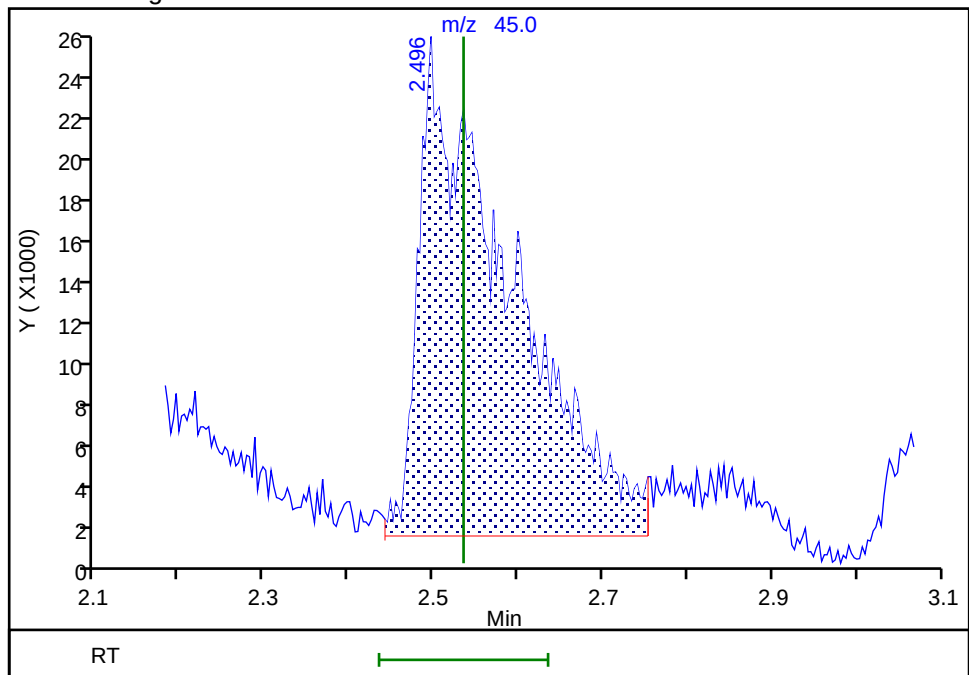
RT: 2.50
Area: 228280
Amount: 215.9564
Amount Units: ug/l

Processing Integration Results



RT: 2.50
Area: 177225
Amount: 180.9885
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 16-Dec-2021 13:30:00

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15114.D

Injection Date: 15-Dec-2021 15:36:30

Instrument ID: 9137

Lims ID: IC v20

Client ID:

Operator ID: jml01693

ALS Bottle#:

14

Worklist Smp#: 14

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_9137

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

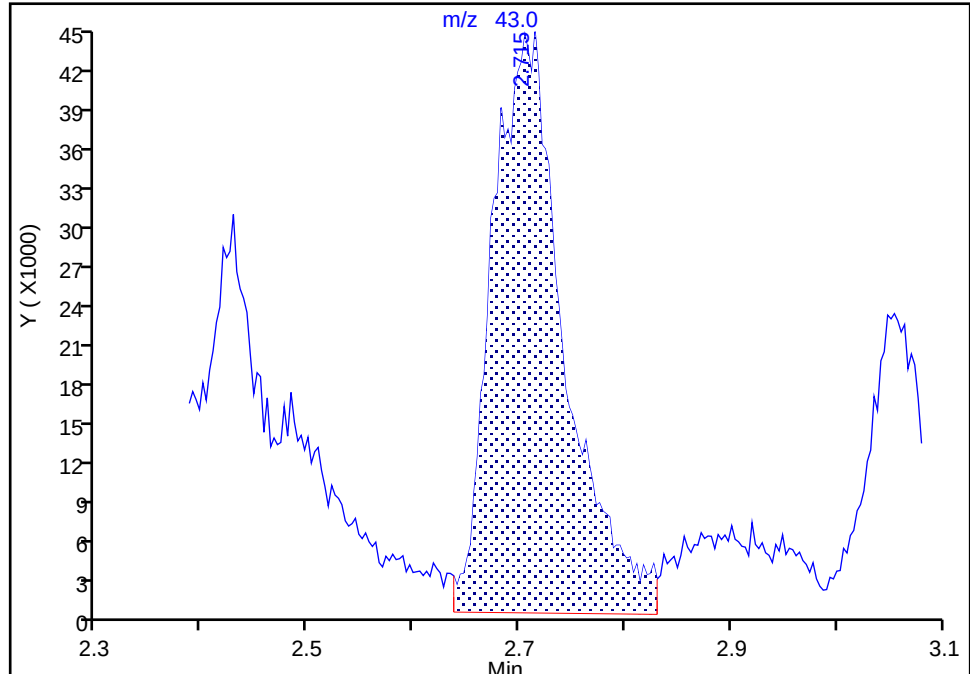
MS Quad

27 Methyl acetate, CAS: 79-20-9

Signal: 1

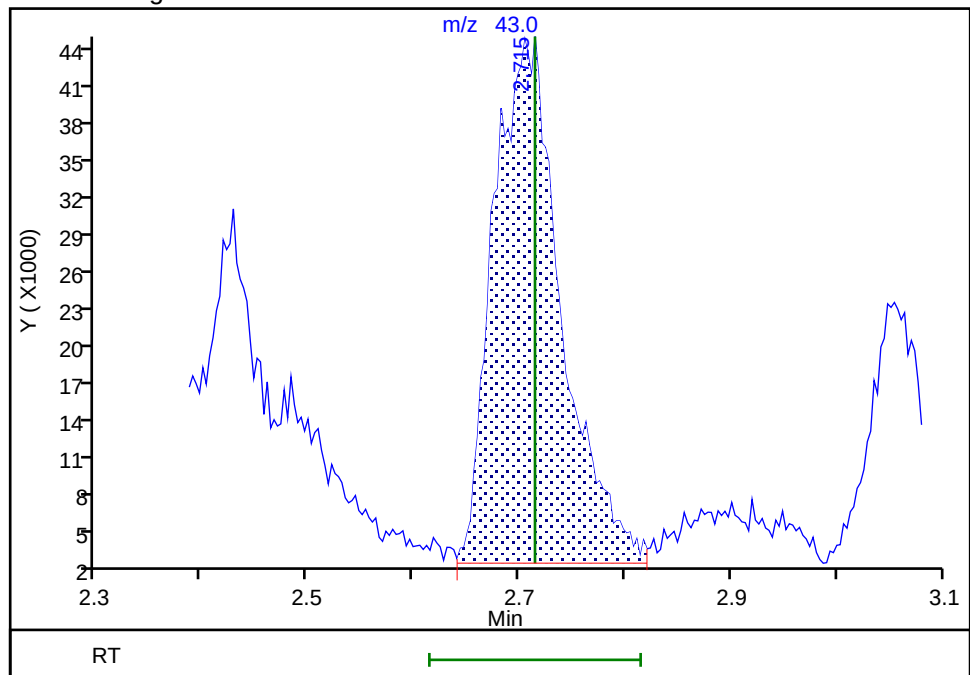
RT: 2.71
Area: 211469
Amount: 20.022098
Amount Units: ug/l

Processing Integration Results



RT: 2.71
Area: 189689
Amount: 18.826969
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 16-Dec-2021 13:29:46

Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15115.D
 Lims ID: IC v10
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 15-Dec-2021 15:56:30 ALS Bottle#: 15 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0046415-015
 Misc. Info.: IC STD3
 Operator ID: jml01693 Instrument ID: 9137
 Sublist: chrom-MSVoa_9137*sub28
 Method: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\MSVoa_9137.m
 Limit Group: MSV - 8260C_D
 Last Update: 16-Dec-2021 15:04:37 Calib Date: 15-Dec-2021 16:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15117.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: longj

Date: 16-Dec-2021 13:33:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.335	1.354	-0.019	99	78651	10.0	9.43	
5 Chloromethane	50	1.479	1.486	-0.007	100	113634	10.0	10.1	
8 Butadiene	39	1.553	1.553	0.000	95	112069	10.0	9.90	
7 Vinyl chloride	62	1.556	1.563	-0.007	97	113820	10.0	10.2	
10 Bromomethane	94	1.781	1.790	-0.009	90	65673	10.0	10.4	
11 Chloroethane	64	1.819	1.826	-0.007	100	64323	10.0	10.4	
13 Dichlorofluoromethane	67	1.970	1.980	-0.010	98	141309	10.0	10.4	
15 Pentane	43	2.041	2.047	-0.006	96	144488	10.0	9.79	
14 Trichlorofluoromethane	101	2.038	2.047	-0.009	76	117078	10.0	10.2	
16 Ethanol	45	2.124	2.131	-0.007	94	71674	500.0	485.2	
18 1,2-Dichloro-1,1,2-trifluoroetha	67	2.220	2.227	-0.007	95	97923	10.0	10.2	
19 Acrolein	56	2.301	2.307	-0.006	100	291380	100.2	97.6	
20 1,1-Dichloroethene	96	2.394	2.400	-0.006	97	65394	10.0	10.5	
22 Acetone	58	2.426	2.423	0.003	83	26823	20.0	19.0	
21 112TCTFE	101	2.423	2.429	-0.006	94	59312	10.0	10.2	
23 Isopropyl alcohol	45	2.490	2.535	-0.045	96	91161	100.0	90.4	M
24 Iodomethane	142	2.529	2.535	-0.006	97	97687	10.0	9.95	
25 Carbon disulfide	76	2.596	2.605	-0.009	99	179074	10.0	10.0	
26 3-Chloro-1-propene	41	2.692	2.702	-0.010	93	130845	10.0	10.3	
27 Methyl acetate	43	2.705	2.715	-0.010	96	92504	10.0	9.21	M
28 Methylene Chloride	84	2.804	2.808	-0.004	98	70386	10.0	9.97	
* 30 t-Butyl alcohol-d10 (IS)	65	2.821	2.833	-0.012	96	391217	250.0	250.0	
31 2-Methyl-2-propanol	59	2.894	2.907	-0.013	95	200341	100.0	104.7	
32 Acrylonitrile	53	3.026	3.019	0.007	99	121726	25.0	24.8	
34 Methyl tert-butyl ether	73	3.048	3.058	-0.010	96	222828	10.0	9.96	
33 trans-1,2-Dichloroethene	96	3.055	3.058	-0.003	93	66170	10.0	9.86	
35 Hexane	57	3.308	3.315	-0.007	95	121155	10.0	9.77	
36 1,1-Dichloroethane	63	3.440	3.440	0.000	97	133941	10.0	10.2	
37 Isopropyl ether	45	3.501	3.510	-0.009	95	259266	10.0	10.0	
38 2-Chloro-1,3-butadiene	53	3.526	3.530	-0.004	91	120140	10.0	10.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	3.847	3.854	-0.007	97	235945	10.0	9.98	
43 2-Butanone (MEK)	43	3.982	3.979	0.003	99	145710	20.0	20.0	
41 cis-1,2-Dichloroethene	96	3.989	3.992	-0.003	86	71939	10.0	9.91	
42 2,2-Dichloropropane	77	4.001	4.001	0.000	86	107294	10.0	10.0	
44 Propionitrile	54	4.043	4.037	0.006	99	215370	100.0	100.4	
45 Methacrylonitrile	67	4.188	4.187	0.001	93	248872	50.0	50.8	
46 Chlorobromomethane	128	4.210	4.223	-0.013	87	33526	10.0	9.82	
47 Tetrahydrofuran	71	4.252	4.255	-0.003	85	87354	50.0	46.3	
48 Chloroform	83	4.293	4.293	0.000	95	114030	10.0	10.1	
\$ 50 Dibromofluoromethane (Surr)	113	4.451	4.454	-0.003	93	281218	50.0	50.8	
51 1,1,1-Trichloroethane	97	4.486	4.486	0.000	98	103042	10.0	10.2	
53 Cyclohexane	56	4.544	4.547	-0.003	93	150816	10.0	10.1	
54 1,1-Dichloropropene	75	4.637	4.640	-0.003	94	101675	10.0	10.2	
55 Carbon tetrachloride	117	4.650	4.656	-0.006	97	82275	10.0	9.89	
56 Isobutyl alcohol	41	4.743	4.749	-0.006	94	148933	250.0	239.7	
\$ 57 1,2-Dichloroethane-d4 (Surr)	102	4.775	4.788	-0.013	86	77325	50.0	50.3	
58 Benzene	78	4.842	4.845	-0.003	96	293505	10.0	10.0	
59 1,2-Dichloroethane	62	4.849	4.858	-0.009	60	92912	10.0	9.94	
60 Tert-amyl methyl ether	73	4.967	4.970	-0.003	98	224797	10.0	10.0	
* 61 Fluorobenzene (IS)	96	5.121	5.124	-0.003	97	1184072	50.0	50.0	
62 n-Heptane	43	5.121	5.128	-0.007	43	136604	10.0	9.92	
63 n-Butanol	56	5.426	5.429	-0.003	90	200103	375.0	382.2	
64 Trichloroethene	95	5.490	5.497	-0.007	97	69390	10.0	9.91	
66 Methylcyclohexane	83	5.705	5.708	-0.003	96	142533	10.0	9.78	
67 1,2-Dichloropropane	63	5.728	5.725	0.003	94	80825	10.0	10.1	
68 2-ethoxy-2-methyl butane	87	5.773	5.779	-0.006	91	110235	10.0	10.1	
69 Dibromomethane	93	5.840	5.843	-0.003	98	43256	10.0	10.0	
70 Methyl methacrylate	69	5.856	5.856	0.000	96	73195	10.0	9.92	
71 1,4-Dioxane	88	5.863	5.869	-0.006	74	27512	250.0	249.9	
72 Dichlorobromomethane	83	6.017	6.013	0.004	99	81790	10.0	9.97	
S 73 1,2-Dichloroethene, Total	100				0			19.8	
74 2-Nitropropane	41	6.248	6.254	-0.006	99	141527	50.0	46.0	
75 2-Chloroethyl vinyl ether	63	6.344	6.344	0.000	90	64465	10.0	10.2	
77 cis-1,3-Dichloropropene	75	6.488	6.491	-0.003	95	116579	10.0	10.0	
78 4-Methyl-2-pentanone (MIBK)	43	6.668	6.668	0.000	98	285746	20.0	20.5	
\$ 79 Toluene-d8 (Surr)	98	6.784	6.783	0.001	94	1216021	50.0	50.1	
80 Toluene	92	6.851	6.857	-0.006	97	181489	10.0	9.79	
81 trans-1,3-Dichloropropene	75	7.098	7.098	0.000	95	101054	10.0	9.66	
84 Ethyl methacrylate	69	7.217	7.217	0.000	91	114762	10.0	9.83	
87 1,1,2-Trichloroethane	97	7.291	7.290	0.001	91	62882	10.0	10.1	
88 Tetrachloroethene	166	7.438	7.438	0.000	98	74808	10.0	10.1	
89 1,3-Dichloropropane	76	7.461	7.461	0.000	94	113283	10.0	9.94	
90 2-Hexanone	43	7.563	7.560	0.003	97	211220	20.0	20.4	
92 Chlorodibromomethane	129	7.685	7.685	0.000	91	63183	10.0	9.87	
93 Ethylene Dibromide	107	7.788	7.791	-0.003	98	66715	10.0	9.89	
* 94 Chlorobenzene-d5 (IS)	117	8.228	8.231	-0.003	87	860246	50.0	50.0	
95 1-Chlorohexane	91	8.250	8.250	0.000	93	98682	10.0	9.90	
96 Chlorobenzene	112	8.253	8.256	-0.003	95	187925	10.0	10.1	
97 1,1,1,2-Tetrachloroethane	131	8.333	8.333	0.000	97	62062	10.0	9.97	
98 Ethylbenzene	91	8.359	8.362	-0.003	98	342672	10.0	10.2	
99 m-Xylene & p-Xylene	106	8.465	8.465	0.000	100	263970	20.0	20.4	
101 o-Xylene	106	8.802	8.802	0.000	96	128571	10.0	9.95	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
102 Styrene	104	8.812	8.811	0.001	94	204998	10.0	9.74	
103 Bromoform	173	8.956	8.956	0.000	96	45402	10.0	9.51	
104 Isopropylbenzene	105	9.107	9.107	0.000	96	335199	10.0	10.1	
105 Cyclohexanone	55	9.171	9.171	0.000	95	120105	250.0	251.7	
\$ 106 4-Bromofluorobenzene (Surr)	95	9.222	9.222	0.000	90	435542	50.0	50.1	
108 Bromobenzene	156	9.338	9.338	0.000	94	75470	10.0	9.78	
109 1,1,2,2-Tetrachloroethane	83	9.338	9.341	-0.003	93	111961	10.0	9.94	
110 1,2,3-Trichloropropane	110	9.370	9.370	0.000	82	32872	10.0	10.0	
111 trans-1,4-Dichloro-2-butene	53	9.383	9.383	0.000	93	191043	50.0	49.9	
112 N-Propylbenzene	91	9.431	9.431	0.000	99	394136	10.0	10.1	
113 2-Chlorotoluene	126	9.492	9.492	0.000	96	75602	10.0	9.94	
114 1,3,5-Trimethylbenzene	105	9.566	9.566	0.000	95	275104	10.0	9.98	
115 4-Chlorotoluene	126	9.575	9.575	0.000	98	76631	10.0	10.0	
116 tert-Butylbenzene	134	9.810	9.813	-0.003	94	56981	10.0	9.90	
118 1,2,4-Trimethylbenzene	105	9.845	9.845	0.000	98	282080	10.0	10.1	
119 sec-Butylbenzene	105	9.973	9.973	0.000	94	342855	10.0	10.0	
121 1,3-Dichlorobenzene	146	10.050	10.047	0.003	99	149413	10.0	10.0	
S 122 1,3-Dichloropropene, Total	100				0			19.7	
123 4-Isopropyltoluene	119	10.076	10.076	0.000	97	287555	10.0	9.88	
* 124 1,4-Dichlorobenzene-d4	152	10.095	10.095	0.000	95	484225	50.0	50.0	
125 1,4-Dichlorobenzene	146	10.111	10.111	0.000	96	152691	10.0	9.89	
126 1,2,3-Trimethylbenzene	105	10.153	10.153	0.000	99	291546	10.0	10.2	
127 Benzyl chloride	91	10.211	10.211	0.000	98	217449	10.0	9.92	
128 1,3-Diethylbenzene	119	10.291	10.291	0.000	95	173237	10.0	9.92	
129 p-Diethylbenzene	119	10.352	10.352	0.000	96	179955	10.0	10.0	
130 n-Butylbenzene	92	10.371	10.368	0.003	98	142477	10.0	9.86	
131 1,2-Dichlorobenzene	146	10.378	10.381	-0.003	97	148303	10.0	10.1	
132 o-diethylbenzene	119	10.435	10.432	0.003	95	146415	10.0	9.90	
133 1,2-Dibromo-3-Chloropropane	75	10.913	10.917	-0.004	81	28657	10.0	9.87	
134 1,3,5-Trichlorobenzene	180	11.061	11.061	0.000	98	106821	10.0	9.74	
S 135 Xylenes, Total	106				0			30.3	
136 1,2,4-Trichlorobenzene	180	11.472	11.468	0.004	94	103479	10.0	9.74	
137 Hexachlorobutadiene	225	11.581	11.581	0.000	96	39190	10.0	9.26	
138 Naphthalene	128	11.635	11.632	0.003	97	381231	10.0	10.1	
139 1,2,3-Trichlorobenzene	180	11.789	11.786	0.003	96	102909	10.0	9.90	
140 2-Methylnaphthalene	142	12.357	12.354	0.003	92	204355	10.0	9.77	
S 156 Total Diethylbenzene	1				0			29.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00042	Amount Added: 2.00	Units: uL	
MSV_VCYC_00007	Amount Added: 8.00	Units: uL	
MSV_CCV_VOC#3_00041	Amount Added: 1.60	Units: uL	
MSV_V_VOA2_00118	Amount Added: 2.00	Units: uL	
MSV_CCV_2CEVE_00039	Amount Added: 2.00	Units: uL	
MSV_CCV_ETOH_00001	Amount Added: 8.00	Units: uL	
MSV_CCV_GASES_00119	Amount Added: 1.00	Units: uL	
MSV_HP18_ISSS_00023	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 16-Dec-2021 15:04:38

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15115.D

Injection Date: 15-Dec-2021 15:56:30

Instrument ID: 9137

Operator ID: jml01693

Lims ID: IC v10

Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

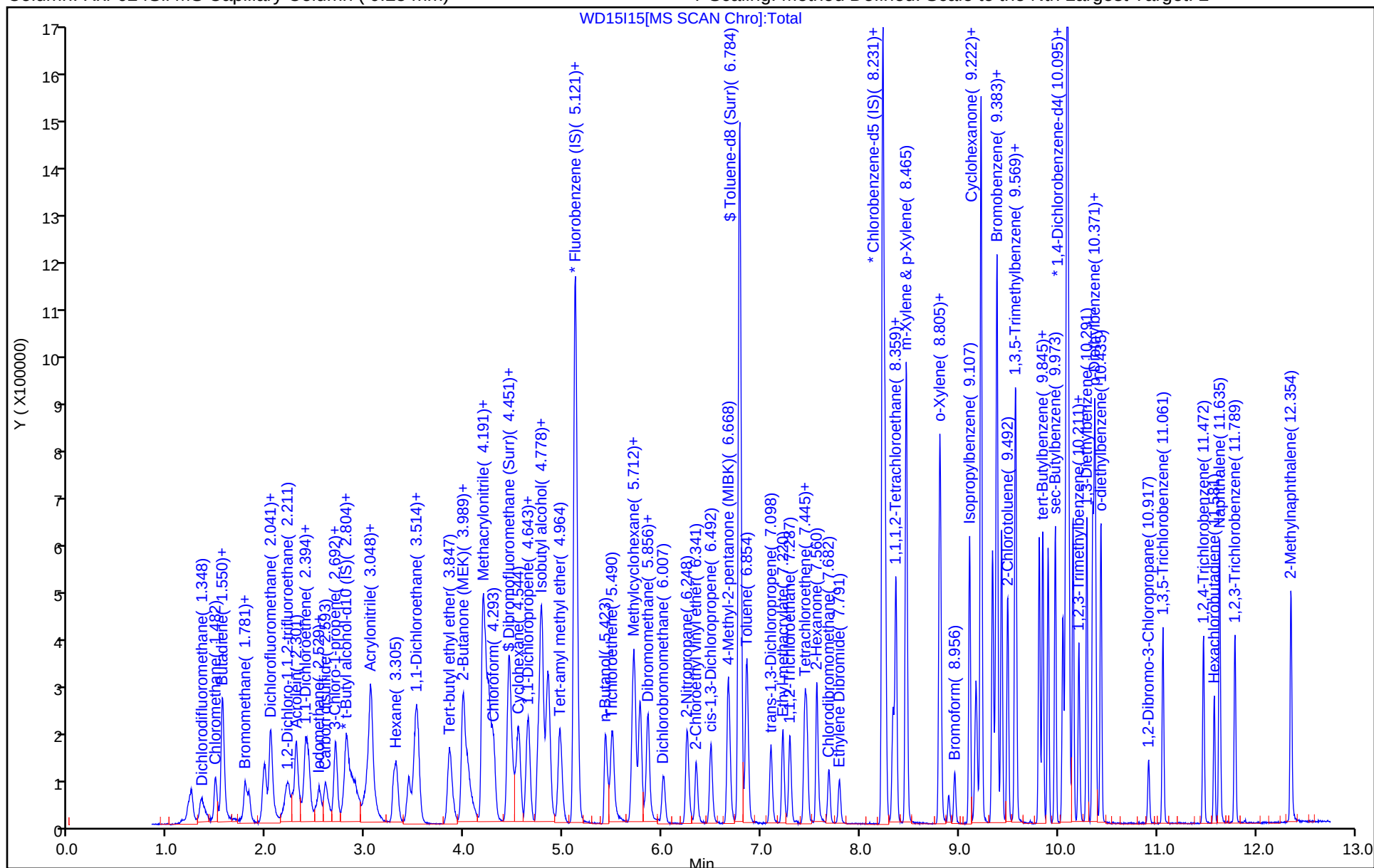
ALS Bottle#: 15

Method: MSVoa_9137

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15115.D
Injection Date: 15-Dec-2021 15:56:30 Instrument ID: 9137
Lims ID: IC v10
Client ID:
Operator ID: jml01693
Purge Vol: 5.000 mL
Method: MSVoa_9137
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector

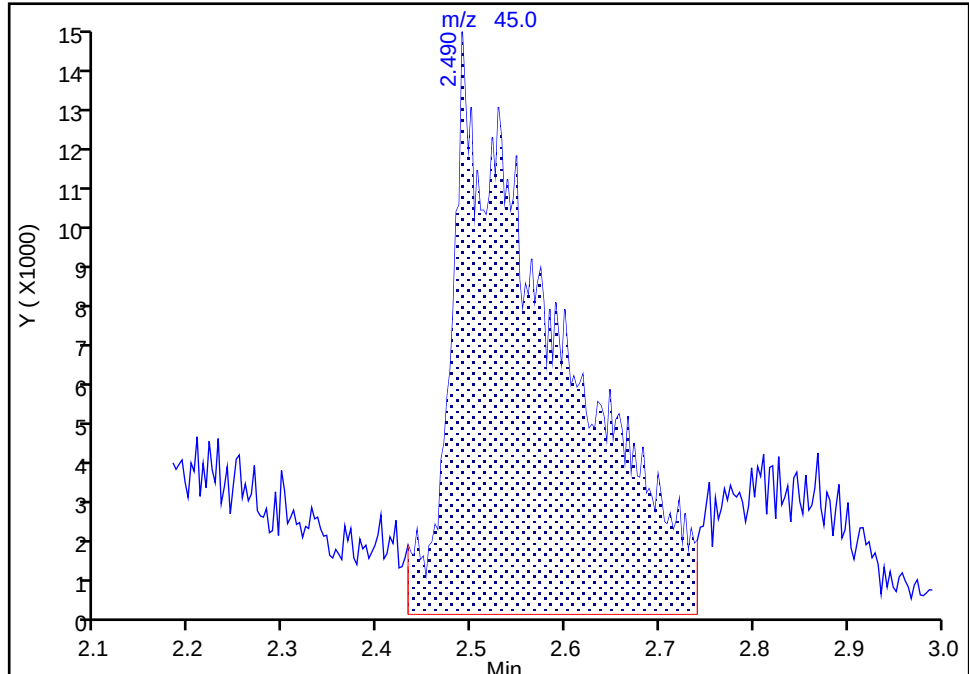
ALS Bottle#: 15 Worklist Smp#: 15
Dil. Factor: 1.0000
Limit Group: MSV - 8260C_D
MS Quad

23 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

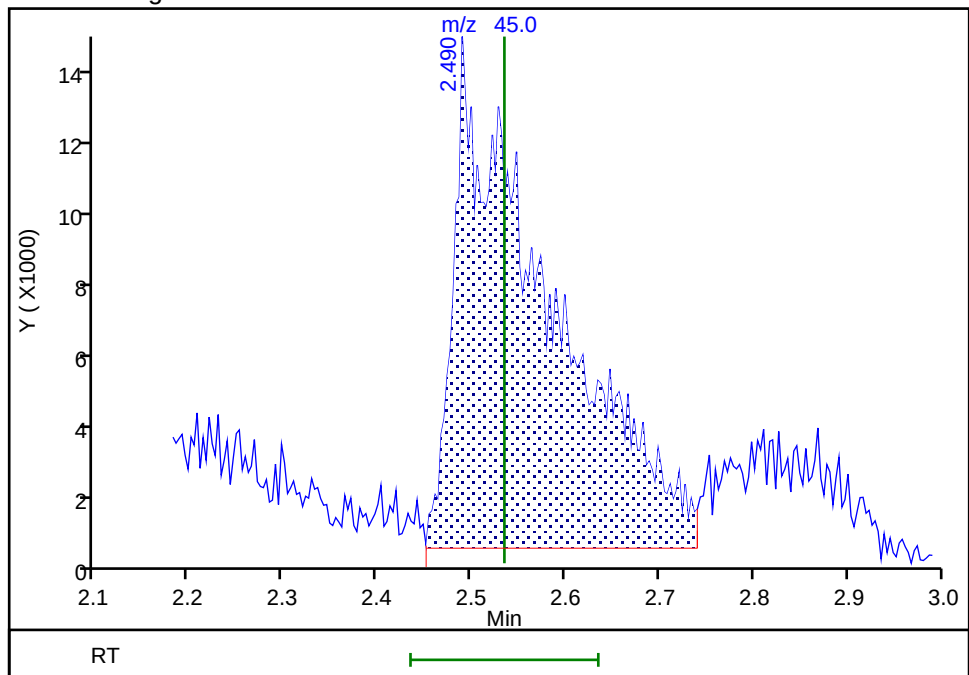
RT: 2.49
Area: 106550
Amount: 101.3913
Amount Units: ug/l

Processing Integration Results



RT: 2.49
Area: 91161
Amount: 90.414287
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 16-Dec-2021 13:31:52
Audit Action: Manually Integrated

Audit Reason: Baseline
Page 88 of 550

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15115.D
Injection Date: 15-Dec-2021 15:56:30 Instrument ID: 9137
Lims ID: IC v10
Client ID:
Operator ID: jml01693 ALS Bottle#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

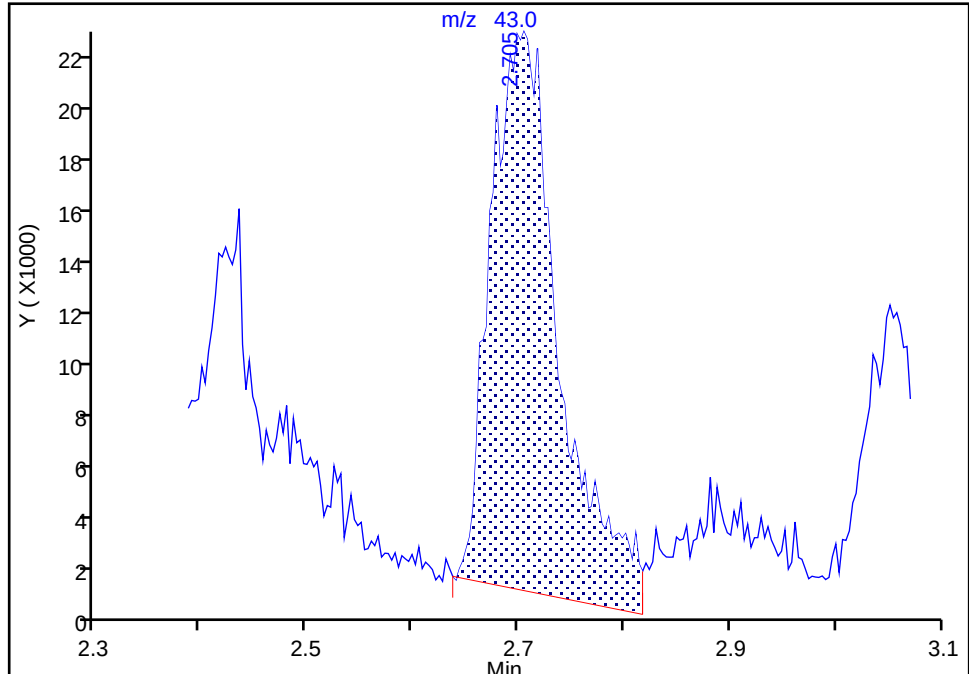
Worklist Smp#: 15

27 Methyl acetate, CAS: 79-20-9

Signal: 1

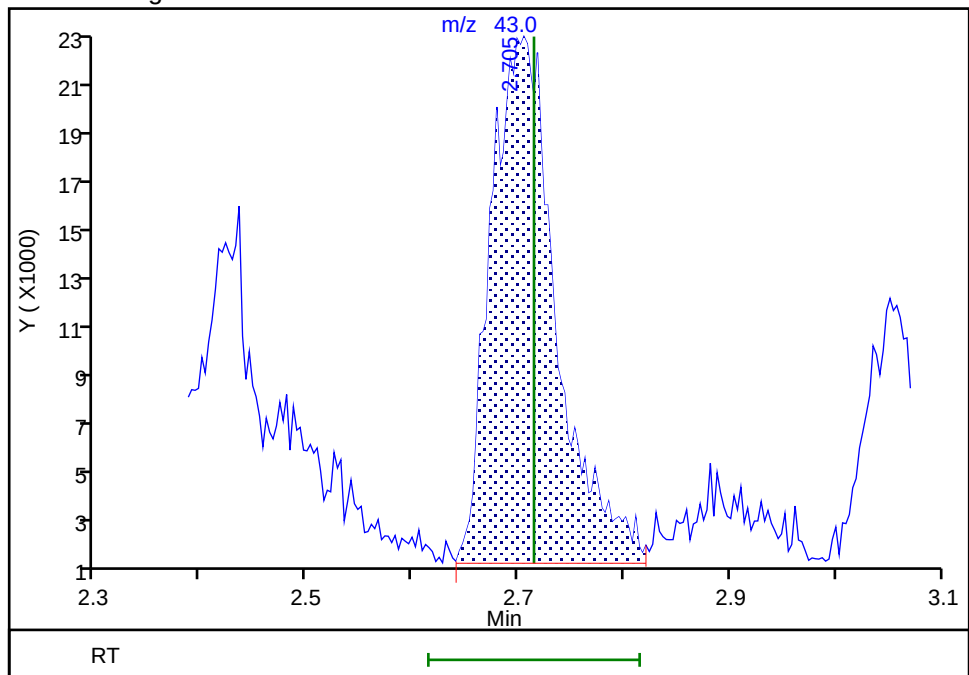
RT: 2.71
Area: 98226
Amount: 9.469226
Amount Units: ug/l

Processing Integration Results



RT: 2.71
Area: 92504
Amount: 9.210418
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 16-Dec-2021 13:32:07
Audit Action: Manually Integrated

Audit Reason: Baseline

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15116.D
 Lims ID: IC v4
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 15-Dec-2021 16:16:30 ALS Bottle#: 16 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0046415-016
 Misc. Info.: IC STD2
 Operator ID: jml01693 Instrument ID: 9137
 Sublist: chrom-MSVoa_9137*sub28
 Method: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\MSVoa_9137.m
 Limit Group: MSV - 8260C_D
 Last Update: 16-Dec-2021 15:04:42 Calib Date: 15-Dec-2021 16:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15117.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: longj

Date: 16-Dec-2021 13:37:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.335	1.354	-0.019	99	37605	4.00	4.48	
5 Chloromethane	50	1.476	1.486	-0.010	99	49199	4.00	4.37	
8 Butadiene	39	1.540	1.553	-0.013	95	51152	4.00	4.49	
7 Vinyl chloride	62	1.553	1.563	-0.010	95	49558	4.00	4.42	
10 Bromomethane	94	1.778	1.790	-0.012	89	27516	4.00	4.32	
11 Chloroethane	64	1.813	1.826	-0.013	97	28401	4.00	4.57	
13 Dichlorofluoromethane	67	1.973	1.980	-0.007	98	59937	4.00	4.40	
15 Pentane	43	2.034	2.047	-0.013	97	62555	4.00	4.21	
14 Trichlorofluoromethane	101	2.044	2.047	-0.003	64	49510	4.00	4.31	
16 Ethanol	45	2.127	2.131	-0.004	28	36638	250.0	258.8	M
18 1,2-Dichloro-1,1,2-trifluoroetha	67	2.214	2.227	-0.013	89	41402	4.00	4.30	
19 Acrolein	56	2.297	2.307	-0.010	95	114772	40.1	40.1	
20 1,1-Dichloroethene	96	2.384	2.400	-0.016	94	26225	4.00	4.19	
22 Acetone	58	2.423	2.423	0.000	42	11398	8.00	8.44	M
21 112TCTFE	101	2.419	2.429	-0.010	91	23546	4.00	4.03	
23 Isopropyl alcohol	45	2.493	2.535	-0.042	95	68163	80.0	70.5	M
24 Iodomethane	142	2.525	2.535	-0.010	94	41572	4.00	4.21	
25 Carbon disulfide	76	2.593	2.605	-0.012	99	77237	4.00	4.30	
26 3-Chloro-1-propene	41	2.692	2.702	-0.010	91	52518	4.00	4.10	
27 Methyl acetate	43	2.708	2.715	-0.007	29	38316	4.00	3.79	M
28 Methylene Chloride	84	2.808	2.808	0.000	95	28407	4.00	4.00	
* 30 t-Butyl alcohol-d10 (IS)	65	2.817	2.833	-0.016	98	374967	250.0	250.0	
31 2-Methyl-2-propanol	59	2.878	2.907	-0.029	71	139746	80.0	76.2	
32 Acrylonitrile	53	3.013	3.019	-0.006	95	50643	10.0	10.3	M
34 Methyl tert-butyl ether	73	3.048	3.058	-0.010	88	94597	4.00	4.20	
33 trans-1,2-Dichloroethene	96	3.052	3.058	-0.006	94	27837	4.00	4.12	
35 Hexane	57	3.295	3.315	-0.020	94	51063	4.00	4.09	
36 1,1-Dichloroethane	63	3.433	3.440	-0.007	96	57331	4.00	4.33	M
37 Isopropyl ether	45	3.501	3.510	-0.009	94	108470	4.00	4.16	M
38 2-Chloro-1,3-butadiene	53	3.527	3.530	-0.004	90	48679	4.00	4.13	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	3.841	3.854	-0.013	97	97543	4.00	4.10	
43 2-Butanone (MEK)	43	3.985	3.979	0.006	99	61167	8.00	8.33	
41 cis-1,2-Dichloroethene	96	3.992	3.992	0.000	83	29976	4.00	4.11	
42 2,2-Dichloropropane	77	3.998	4.001	-0.003	82	44517	4.00	4.13	M
44 Propionitrile	54	4.034	4.037	-0.003	100	166255	80.0	80.9	
45 Methacrylonitrile	67	4.191	4.187	0.004	93	196779	40.0	39.9	
46 Chlorobromomethane	128	4.210	4.223	-0.013	97	14315	4.00	4.17	
47 Tetrahydrofuran	71	4.242	4.255	-0.013	82	37452	20.0	20.7	
48 Chloroform	83	4.293	4.293	0.000	94	46017	4.00	4.03	
\$ 50 Dibromofluoromethane (Surr)	113	4.444	4.454	-0.010	93	278008	50.0	49.9	
51 1,1,1-Trichloroethane	97	4.476	4.486	-0.010	96	42896	4.00	4.21	
53 Cyclohexane	56	4.537	4.547	-0.010	93	61693	4.00	4.11	
54 1,1-Dichloropropene	75	4.643	4.640	0.003	95	42469	4.00	4.22	
55 Carbon tetrachloride	117	4.653	4.656	-0.003	97	35315	4.00	4.22	
56 Isobutyl alcohol	41	4.739	4.749	-0.010	95	122094	200.0	205.0	
\$ 57 1,2-Dichloroethane-d4 (Surr)	102	4.775	4.788	-0.013	83	77363	50.0	50.1	
58 Benzene	78	4.842	4.845	-0.003	95	124187	4.00	4.21	
59 1,2-Dichloroethane	62	4.849	4.858	-0.009	96	38906	4.00	4.14	
60 Tert-amyl methyl ether	73	4.964	4.970	-0.006	99	94640	4.00	4.20	
* 61 Fluorobenzene (IS)	96	5.115	5.124	-0.009	99	1191264	50.0	50.0	
62 n-Heptane	43	5.121	5.128	-0.007	45	54384	4.00	3.92	
63 n-Butanol	56	5.423	5.429	-0.006	90	173165	350.0	345.1	M
64 Trichloroethene	95	5.497	5.497	0.000	98	30039	4.00	4.26	
66 Methylcyclohexane	83	5.705	5.708	-0.003	94	59000	4.00	4.02	
67 1,2-Dichloropropane	63	5.718	5.725	-0.007	97	32926	4.00	4.10	
68 2-ethoxy-2-methyl butane	87	5.773	5.779	-0.006	92	44624	4.00	4.06	
69 Dibromomethane	93	5.837	5.843	-0.006	95	17796	4.00	4.09	
70 Methyl methacrylate	69	5.856	5.856	0.000	94	29929	4.00	4.03	
71 1,4-Dioxane	88	5.866	5.869	-0.003	46	21974	200.0	208.2	
72 Dichlorobromomethane	83	6.010	6.013	-0.003	97	34102	4.00	4.13	
S 73 1,2-Dichloroethene, Total	100				0			8.23	
74 2-Nitropropane	41	6.251	6.254	-0.003	98	59263	20.0	20.1	
75 2-Chloroethyl vinyl ether	63	6.347	6.344	0.003	91	26503	4.00	4.16	
77 cis-1,3-Dichloropropene	75	6.488	6.491	-0.003	95	48473	4.00	4.13	
78 4-Methyl-2-pentanone (MIBK)	43	6.671	6.668	0.003	96	112261	8.00	8.02	
\$ 79 Toluene-d8 (Surr)	98	6.780	6.783	-0.003	94	1221570	50.0	49.7	
80 Toluene	92	6.854	6.857	-0.003	98	79929	4.00	4.26	
81 trans-1,3-Dichloropropene	75	7.101	7.098	0.003	95	43196	4.00	4.08	
84 Ethyl methacrylate	69	7.220	7.217	0.003	90	46526	4.00	3.94	
87 1,1,2-Trichloroethane	97	7.291	7.290	0.001	90	25514	4.00	4.05	
88 Tetrachloroethene	166	7.441	7.438	0.003	96	30582	4.00	4.09	
89 1,3-Dichloropropane	76	7.461	7.461	0.000	93	48078	4.00	4.17	
90 2-Hexanone	43	7.567	7.560	0.007	98	83526	8.00	7.98	
92 Chlorodibromomethane	129	7.685	7.685	0.000	91	24549	4.00	3.79	
93 Ethylene Dibromide	107	7.791	7.791	0.000	100	26381	4.00	3.86	
* 94 Chlorobenzene-d5 (IS)	117	8.231	8.231	0.000	87	870487	50.0	50.0	
95 1-Chlorohexane	91	8.250	8.250	0.000	64	40963	4.00	4.06	
96 Chlorobenzene	112	8.253	8.256	-0.003	94	79773	4.00	4.22	
97 1,1,1,2-Tetrachloroethane	131	8.330	8.333	-0.003	93	25298	4.00	4.02	
98 Ethylbenzene	91	8.362	8.362	0.000	98	142351	4.00	4.18	
99 m-Xylene & p-Xylene	106	8.468	8.465	0.003	100	107523	8.00	8.20	
101 o-Xylene	106	8.802	8.802	0.000	97	52813	4.00	4.04	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
102 Styrene	104	8.815	8.811	0.004	94	85458	4.00	4.01	
103 Bromoform	173	8.959	8.956	0.003	96	18883	4.00	3.91	
104 Isopropylbenzene	105	9.107	9.107	0.000	96	143833	4.00	4.29	
105 Cyclohexanone	55	9.171	9.171	0.000	94	87264	200.0	190.8	
\$ 106 4-Bromofluorobenzene (Surr)	95	9.222	9.222	0.000	90	440115	50.0	50.1	
108 Bromobenzene	156	9.341	9.338	0.003	91	32658	4.00	4.28	
109 1,1,2,2-Tetrachloroethane	83	9.338	9.341	-0.003	92	46411	4.00	4.17	
110 1,2,3-Trichloropropane	110	9.373	9.370	0.003	82	14027	4.00	4.32	
111 trans-1,4-Dichloro-2-butene	53	9.383	9.383	0.000	94	150470	40.0	39.7	
112 N-Propylbenzene	91	9.428	9.431	-0.003	99	168458	4.00	4.36	
113 2-Chlorotoluene	126	9.492	9.492	0.000	96	32452	4.00	4.31	
114 1,3,5-Trimethylbenzene	105	9.566	9.566	0.000	94	114790	4.00	4.21	
115 4-Chlorotoluene	126	9.579	9.575	0.003	98	32785	4.00	4.33	
116 tert-Butylbenzene	134	9.810	9.813	-0.003	94	23881	4.00	4.19	
118 1,2,4-Trimethylbenzene	105	9.845	9.845	0.000	97	116605	4.00	4.20	
119 sec-Butylbenzene	105	9.973	9.973	0.000	94	142891	4.00	4.21	
121 1,3-Dichlorobenzene	146	10.050	10.047	0.003	98	62724	4.00	4.26	
S 122 1,3-Dichloropropene, Total	100				0			8.21	
123 4-Isopropyltoluene	119	10.079	10.076	0.003	98	120118	4.00	4.17	
* 124 1,4-Dichlorobenzene-d4	152	10.095	10.095	0.000	95	478896	50.0	50.0	
125 1,4-Dichlorobenzene	146	10.114	10.111	0.003	95	64624	4.00	4.23	
126 1,2,3-Trimethylbenzene	105	10.150	10.153	-0.003	98	122359	4.00	4.32	
127 Benzyl chloride	91	10.214	10.211	0.003	98	85842	4.00	3.96	
128 1,3-Diethylbenzene	119	10.294	10.291	0.003	95	70983	4.00	4.11	
129 p-Diethylbenzene	119	10.352	10.352	0.000	94	72280	4.00	4.07	
130 n-Butylbenzene	92	10.368	10.368	0.000	98	58829	4.00	4.12	
131 1,2-Dichlorobenzene	146	10.378	10.381	-0.003	96	58562	4.00	4.04	
132 o-diethylbenzene	119	10.435	10.432	0.003	96	61134	4.00	4.18	
133 1,2-Dibromo-3-Chloropropane	75	10.917	10.917	0.000	82	11328	4.00	3.95	
134 1,3,5-Trichlorobenzene	180	11.061	11.061	0.000	96	45788	4.00	4.22	
S 135 Xylenes, Total	106				0			12.2	
136 1,2,4-Trichlorobenzene	180	11.472	11.468	0.004	94	42274	4.00	4.02	
137 Hexachlorobutadiene	225	11.578	11.581	-0.003	96	16573	4.00	3.96	
138 Naphthalene	128	11.635	11.632	0.003	97	154350	4.00	4.13	
139 1,2,3-Trichlorobenzene	180	11.793	11.786	0.007	96	43213	4.00	4.20	
140 2-Methylnaphthalene	142	12.357	12.354	0.003	93	78049	4.00	3.77	
S 156 Total Diethylbenzene	1				0			12.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_CCV_VOC#1_00042	Amount Added: 4.00	Units: uL	
MSV_VCYC_00007	Amount Added: 32.00	Units: uL	
MSV_CCV_VOC#3_00041	Amount Added: 3.20	Units: uL	
MSV_V_VOA2_00118	Amount Added: 12.00	Units: uL	
MSV_CCV_2CEVE_00039	Amount Added: 4.00	Units: uL	
MSV_CCV_ETOH_00001	Amount Added: 20.00	Units: uL	
MSV_CCV_GASES_00119	Amount Added: 2.00	Units: uL	
MSV_HP18_ISSS_00023	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 16-Dec-2021 15:04:43

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15116.D

Injection Date: 15-Dec-2021 16:16:30

Instrument ID: 9137

Operator ID: jml01693

Lims ID: IC v4

Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

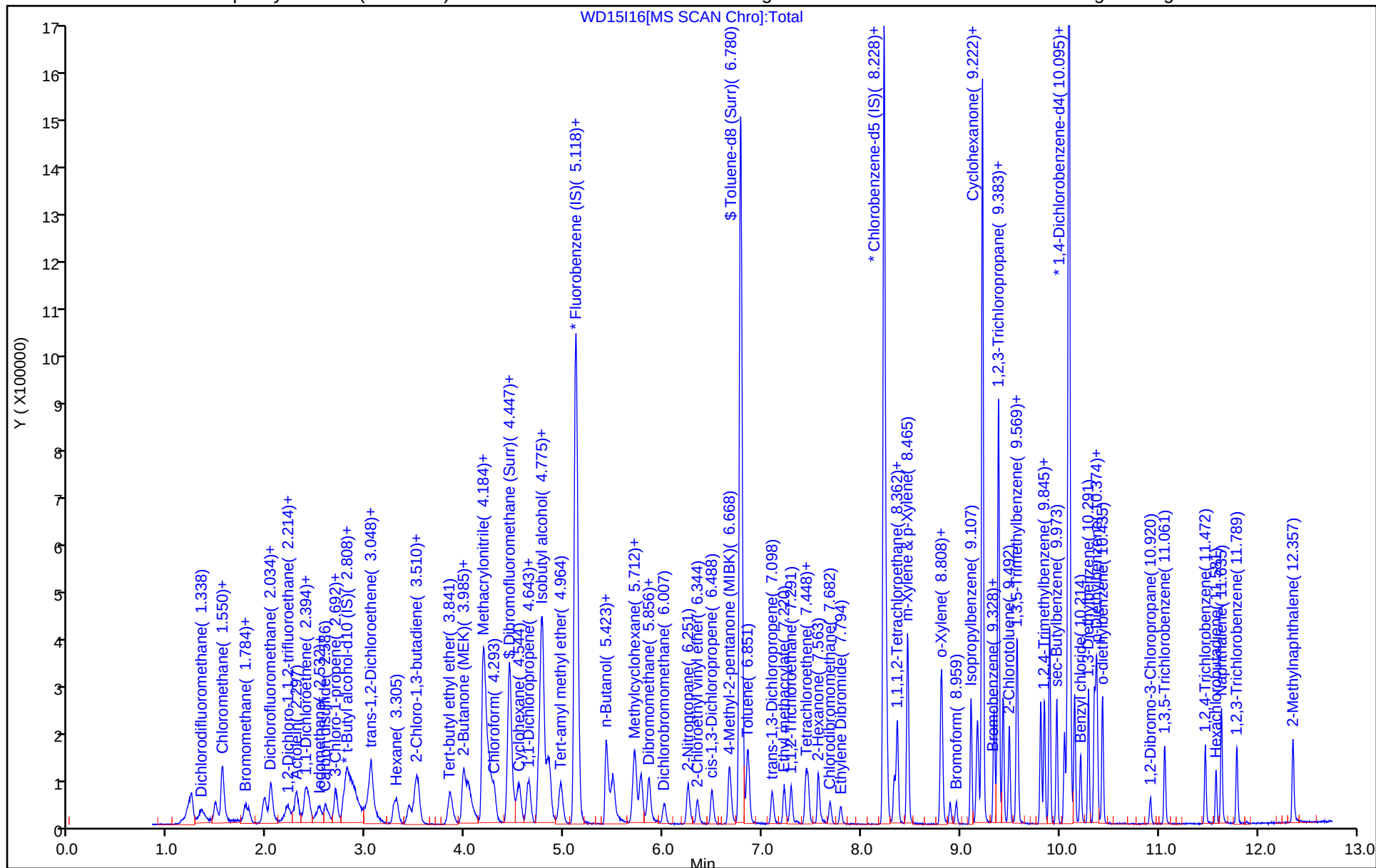
ALS Bottle#: 16

Method: MSVoa_9137

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Env, LLC

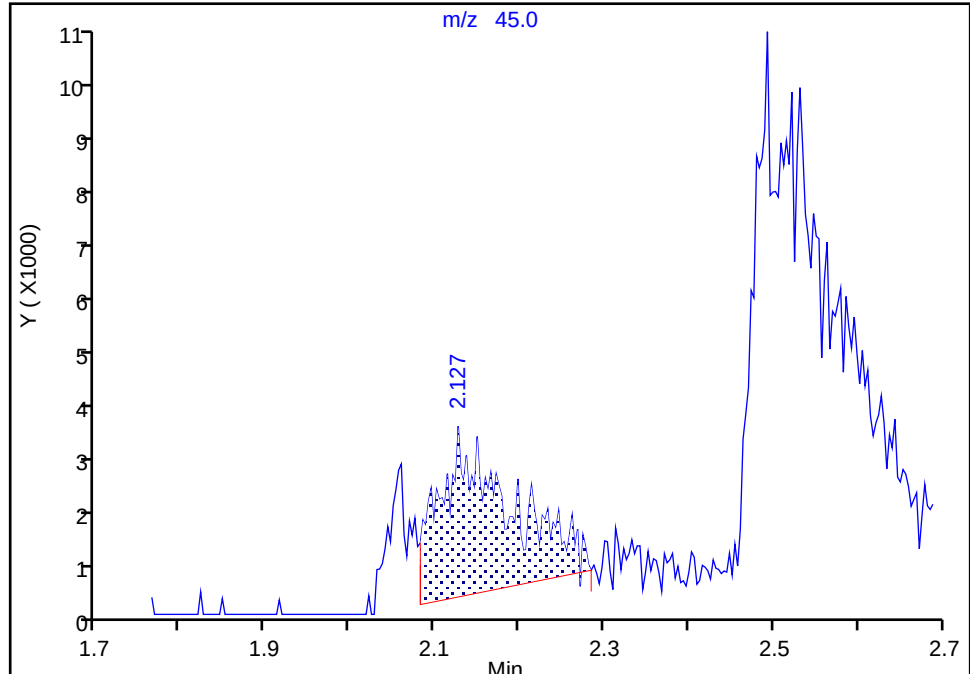
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Injection Date: 15-Dec-2021 16:16:30 Instrument ID: 9137
Lims ID: IC v4
Client ID:
Operator ID: jml01693 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

16 Ethanol, CAS: 64-17-5

Signal: 1

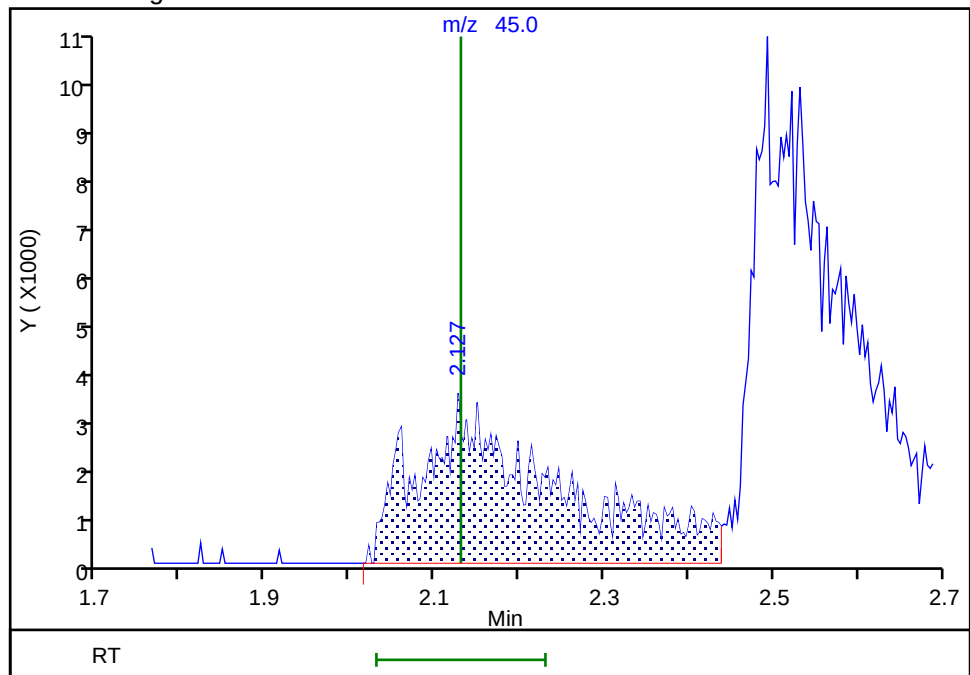
RT: 2.13
Area: 17266
Amount: 138.7685
Amount Units: ug/l

Processing Integration Results



RT: 2.13
Area: 36638
Amount: 258.7666
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 16-Dec-2021 13:37:04
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration
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Eurofins Lancaster Laboratories Env, LLC

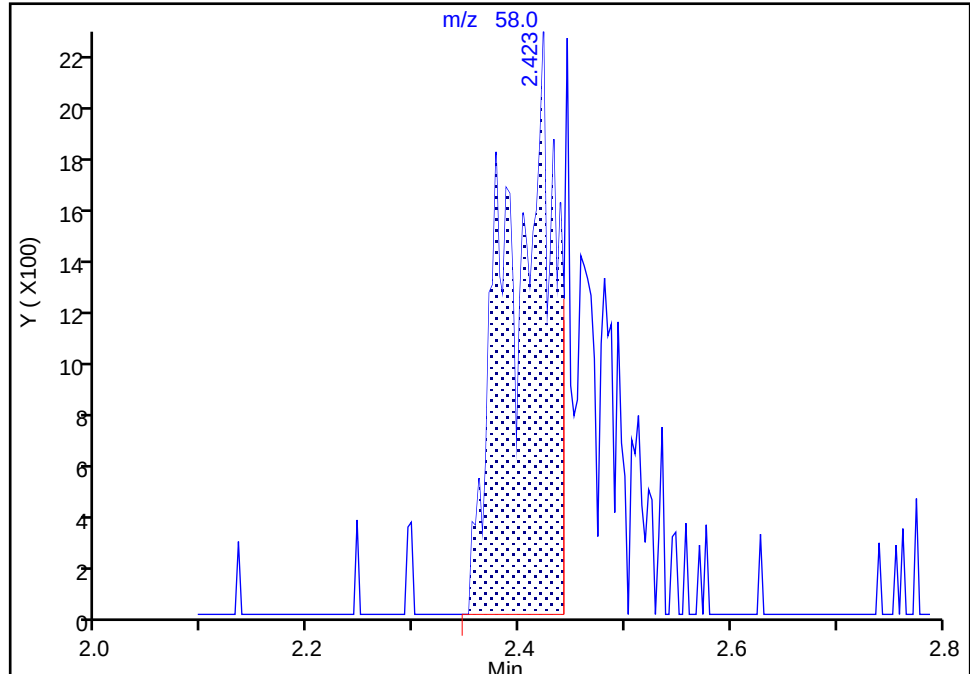
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Injection Date: 15-Dec-2021 16:16:30 Instrument ID: 9137
Lims ID: IC v4
Client ID:
Operator ID: jml01693 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) MS Quad

22 Acetone, CAS: 67-64-1

Signal: 1

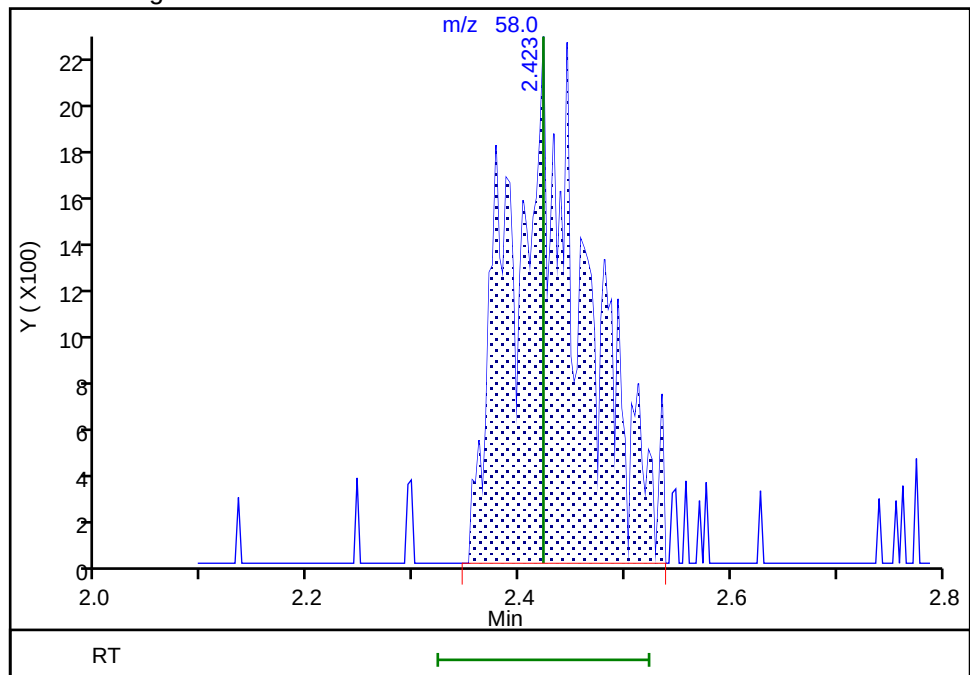
RT: 2.42
Area: 6849
Amount: 5.778481
Amount Units: ug/l

Processing Integration Results



RT: 2.42
Area: 11398
Amount: 8.437936
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 16-Dec-2021 13:36:20
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

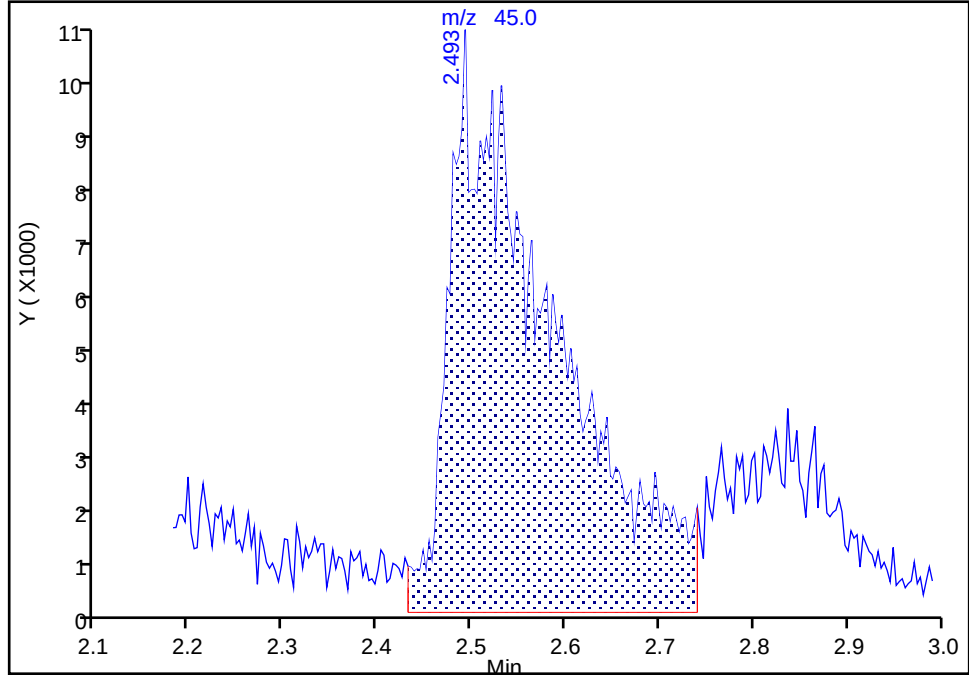
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Injection Date: 15-Dec-2021 16:16:30 Instrument ID: 9137
Lims ID: IC v4
Client ID:
Operator ID: jml01693 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm i.d.) Detector: MS Quad

23 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

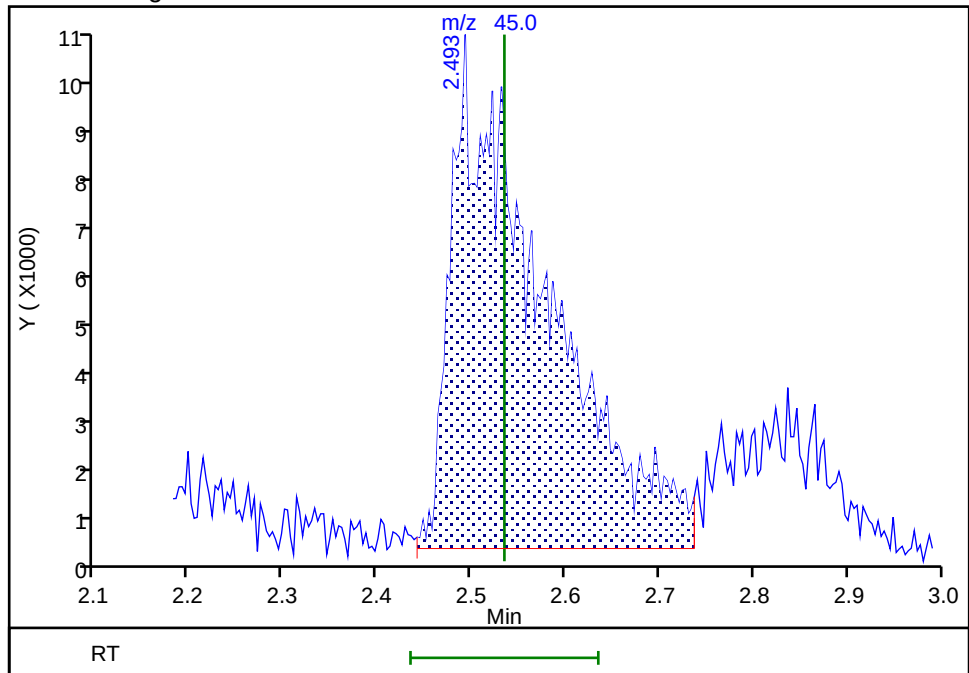
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Area: 79239
Amount: 80.351281
Amount Units: ug/l

Processing Integration Results



RT: 2.49
Area: 68163
Amount: 70.534460
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 16-Dec-2021 13:36:00
Audit Action: Manually Integrated

Audit Reason: Baseline
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Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15116.D
Injection Date: 15-Dec-2021 16:16:30 Instrument ID: 9137
Lims ID: IC v4
Client ID:
Operator ID: jml01693 ALS Bottle#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

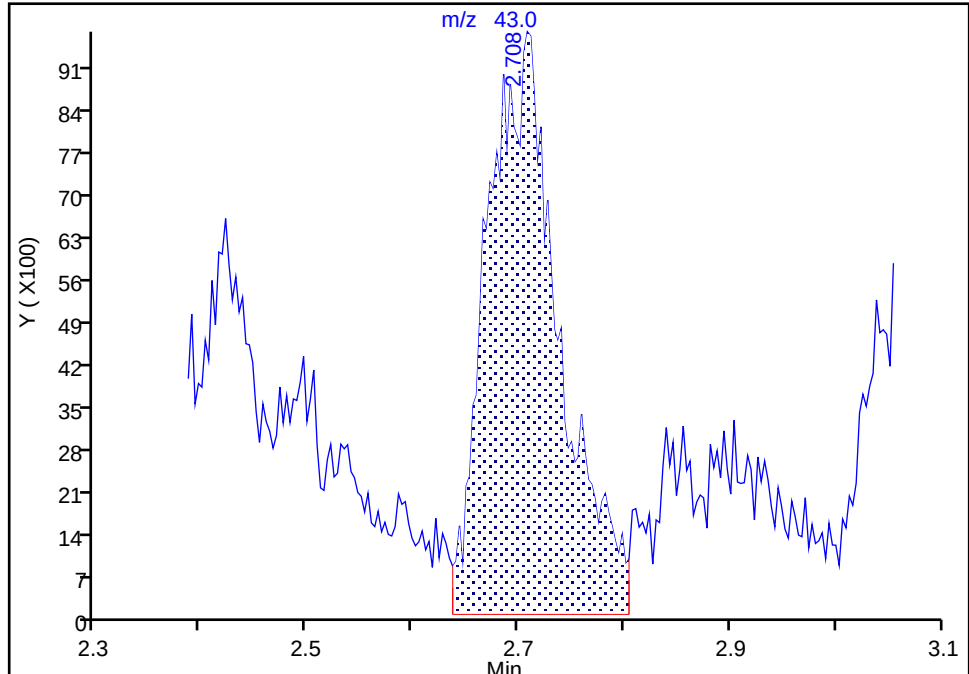
Worklist Smp#: 16

27 Methyl acetate, CAS: 79-20-9

Signal: 1

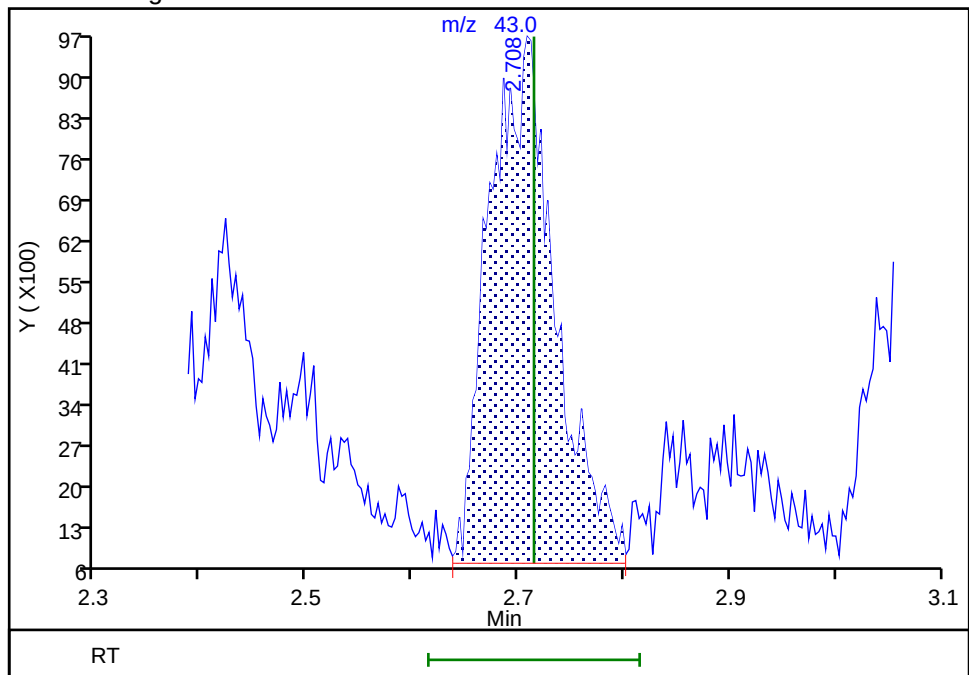
RT: 2.71
Area: 45303
Amount: 4.375432
Amount Units: ug/l

Processing Integration Results



RT: 2.71
Area: 38316
Amount: 3.792007
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 16-Dec-2021 13:35:45
Audit Action: Manually Integrated

Audit Reason: Baseline
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Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15116.D
Injection Date: 15-Dec-2021 16:16:30 Instrument ID: 9137
Lims ID: IC v4
Client ID:
Operator ID: jml01693 ALS Bottle#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

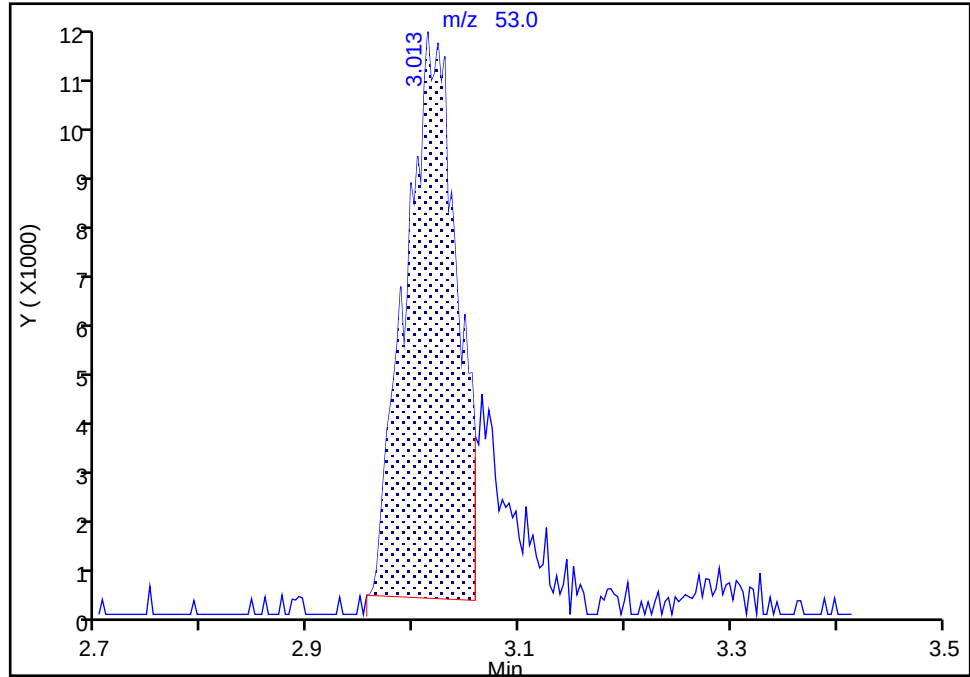
Worklist Smp#: 16

32 Acrylonitrile, CAS: 107-13-1

Signal: 1

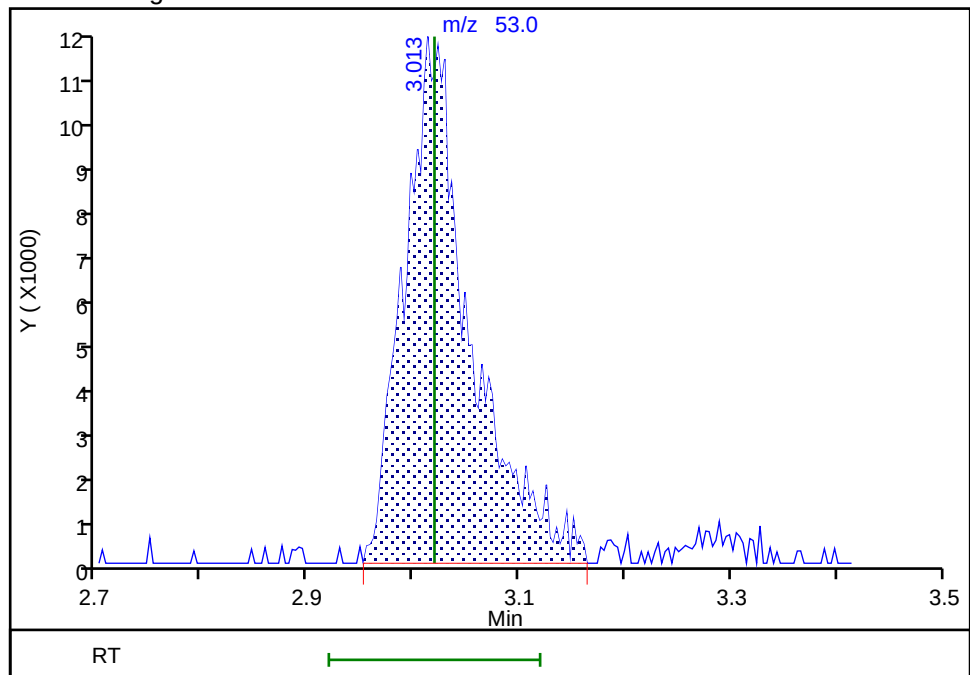
RT: 3.01
Area: 38184
Amount: 9.479650
Amount Units: ug/l

Processing Integration Results



RT: 3.01
Area: 50643
Amount: 10.268199
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 16-Dec-2021 13:35:27
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Env, LLC

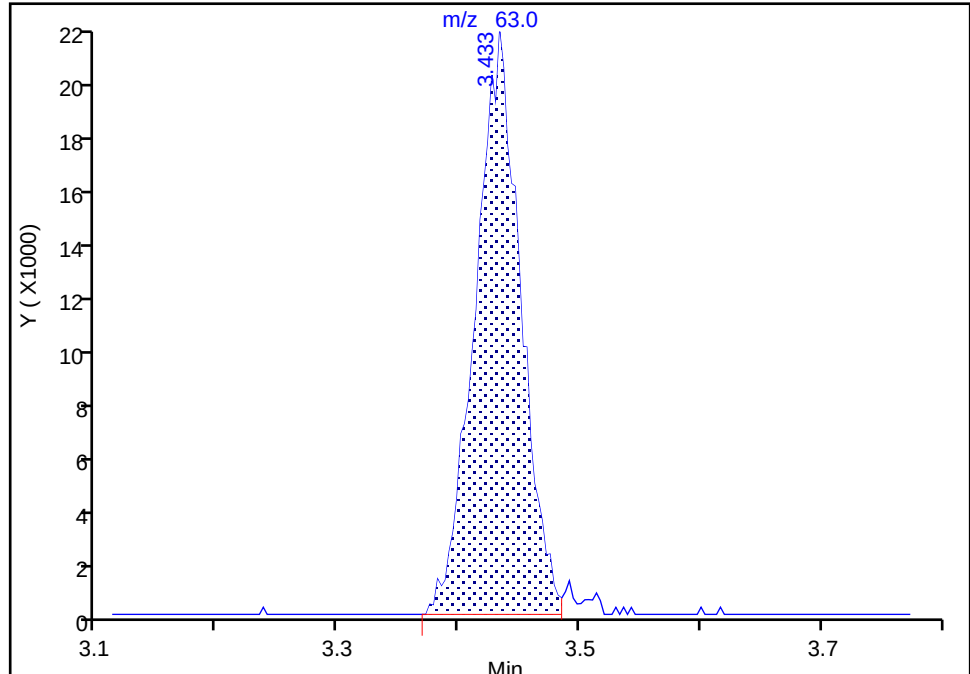
Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15116.D
Injection Date: 15-Dec-2021 16:16:30 Instrument ID: 9137
Lims ID: IC v4
Client ID:
Operator ID: jml01693 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

36 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

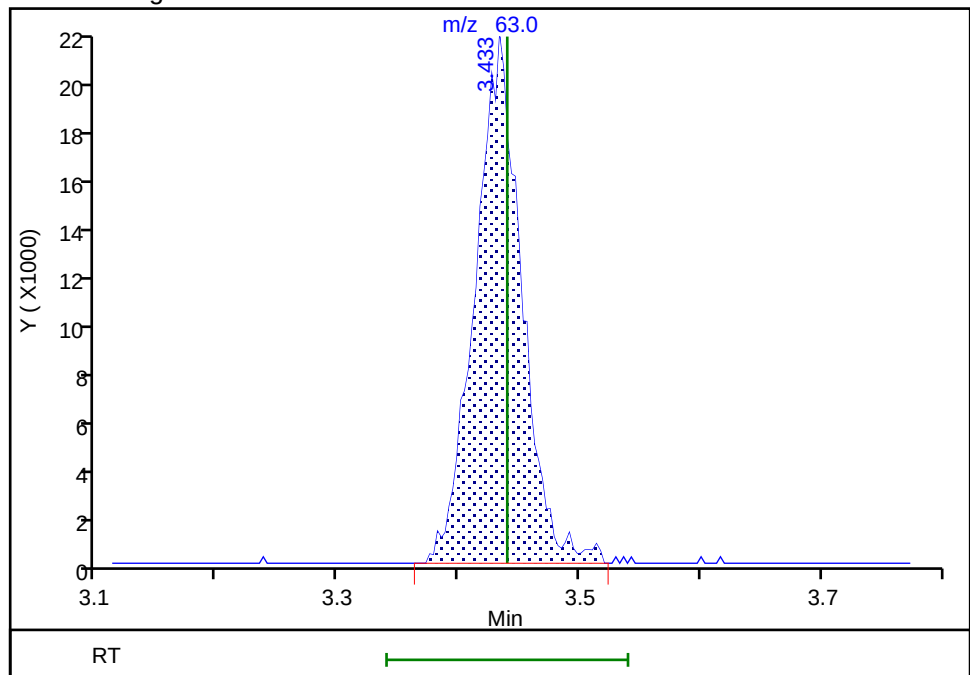
RT: 3.43
Area: 56109
Amount: 4.246841
Amount Units: ug/l

Processing Integration Results



RT: 3.43
Area: 57331
Amount: 4.325047
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 16-Dec-2021 13:35:15
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15116.D
Injection Date: 15-Dec-2021 16:16:30 Instrument ID: 9137
Lims ID: IC v4
Client ID:
Operator ID: jml01693
Purge Vol: 5.000 mL
Method: MSVoa_9137
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

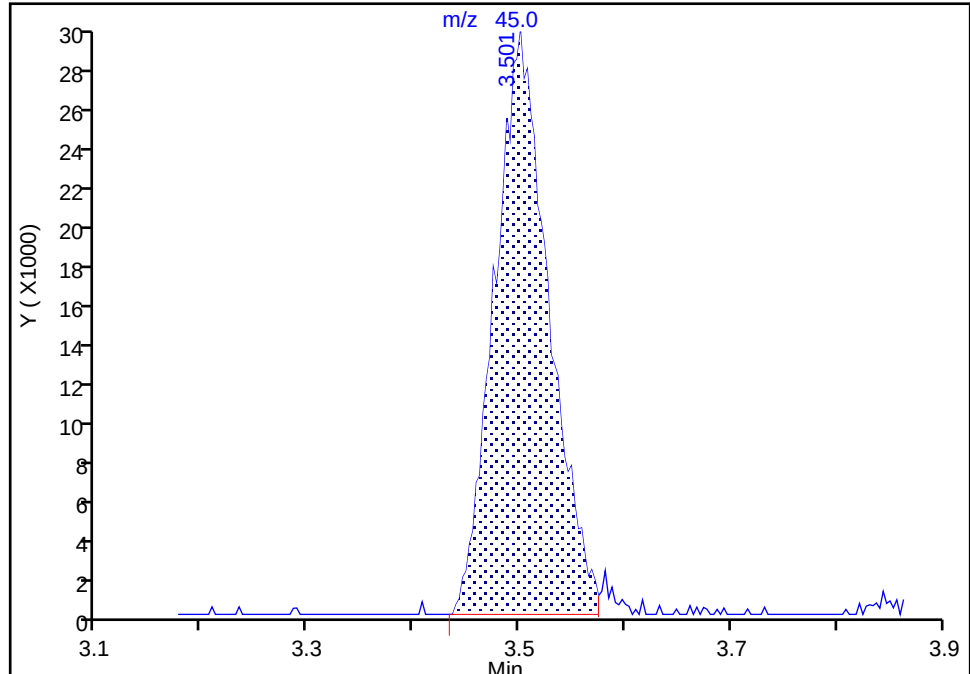
ALS Bottle#: 16 Worklist Smp#: 16
Dil. Factor: 1.0000
Limit Group: MSV - 8260C_D
Detector: MS Quad

37 Isopropyl ether, CAS: 108-20-3

Signal: 1

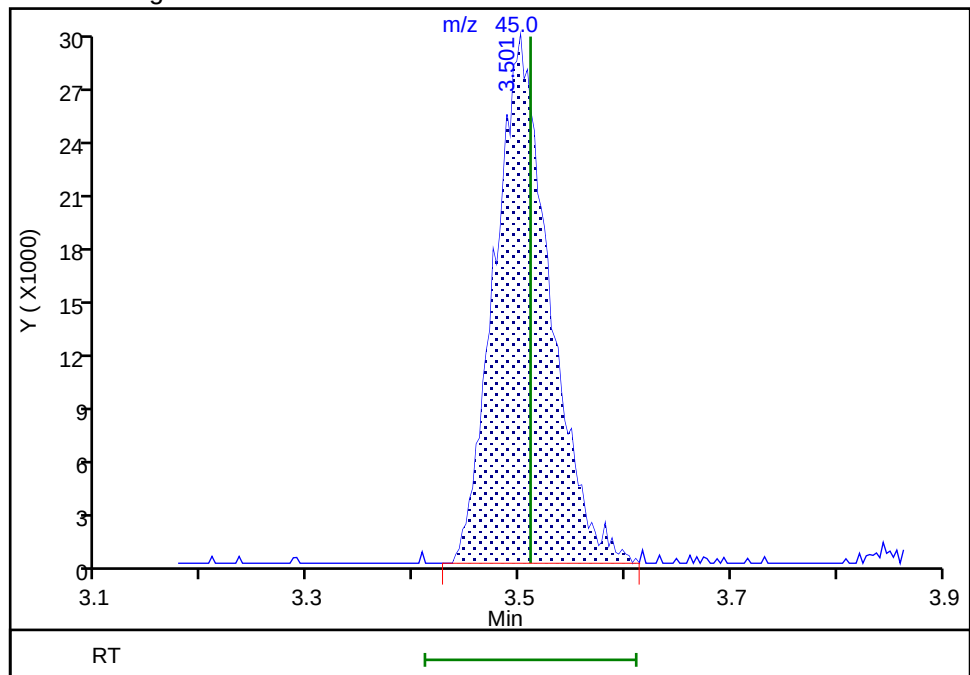
RT: 3.50
Area: 106782
Amount: 4.684076
Amount Units: ug/l

Processing Integration Results



RT: 3.50
Area: 108470
Amount: 4.164477
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 16-Dec-2021 13:35:06
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
Page 101 of 550

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15116.D
Injection Date: 15-Dec-2021 16:16:30 Instrument ID: 9137
Lims ID: IC v4
Client ID:
Operator ID: jml01693 ALS Bottle#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

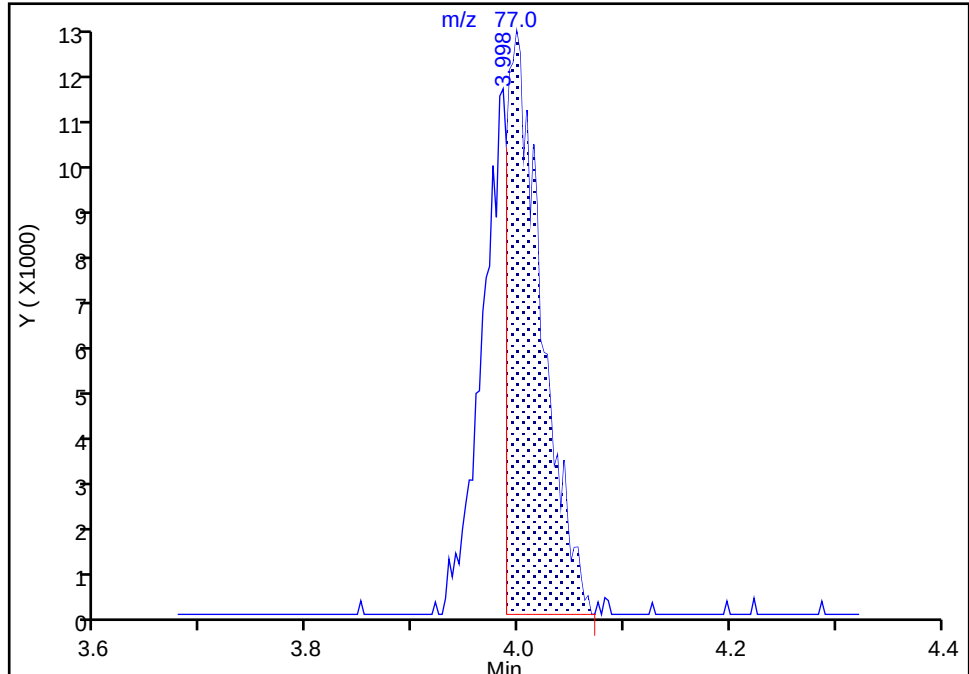
Worklist Smp#: 16

42 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

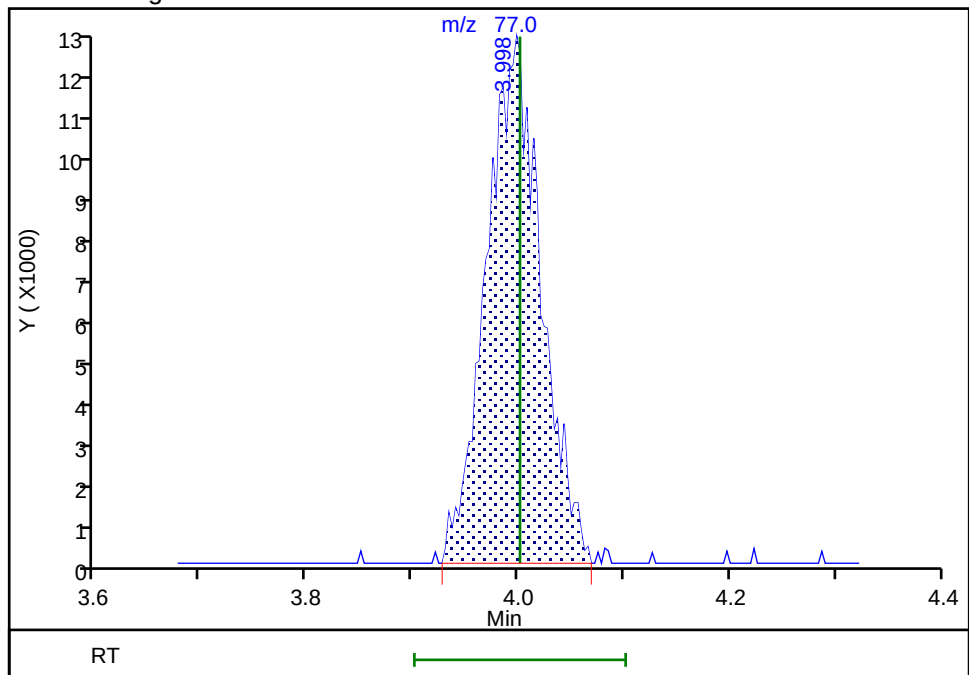
RT: 4.00
Area: 28056
Amount: 3.362134
Amount Units: ug/l

Processing Integration Results



RT: 4.00
Area: 44517
Amount: 4.132541
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 16-Dec-2021 13:34:53
Audit Action: Manually Integrated

Audit Reason: Incomplete Integration
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Eurofins Lancaster Laboratories Env, LLC

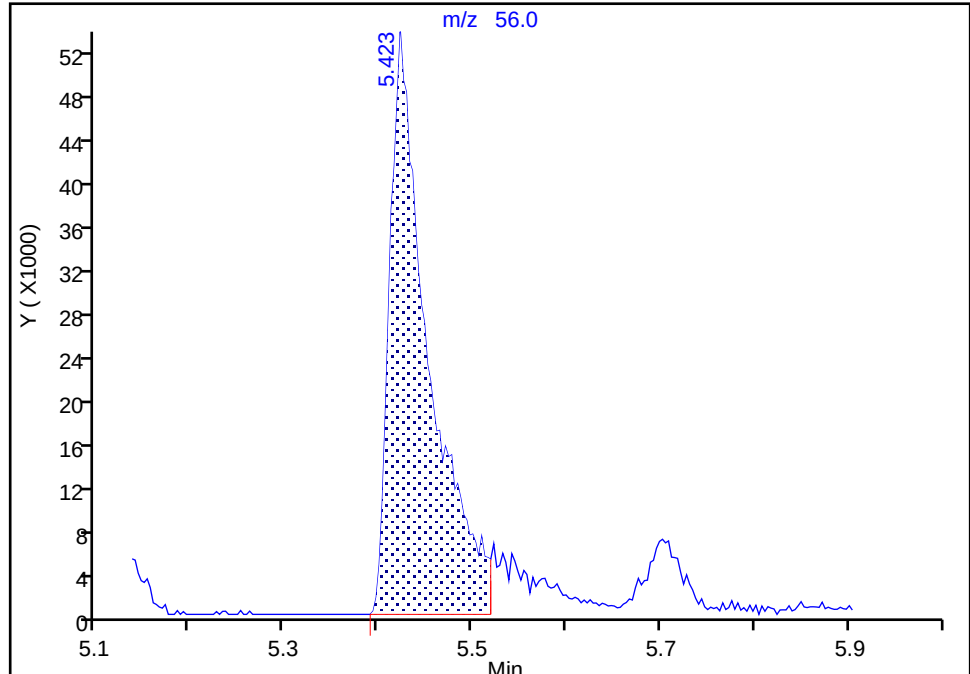
Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15116.D
Injection Date: 15-Dec-2021 16:16:30 Instrument ID: 9137
Lims ID: IC v4
Client ID:
Operator ID: jml01693 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: MSVoa_9137 Limit Group: MSV - 8260C_D
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) Detector: MS Quad

63 n-Butanol, CAS: 71-36-3

Signal: 1

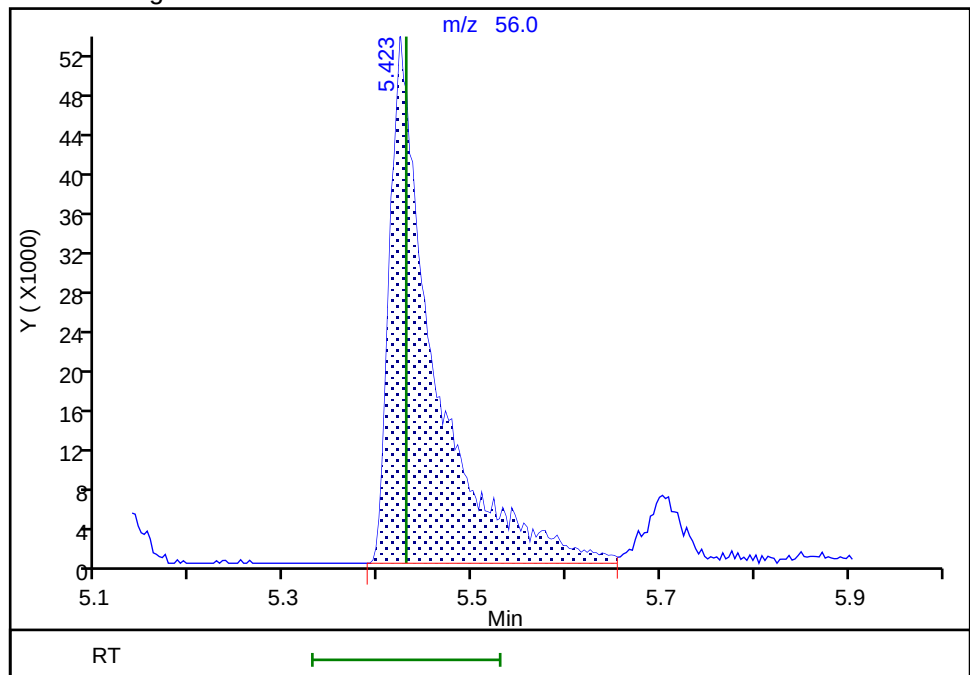
RT: 5.42
Area: 152832
Amount: 309.7098
Amount Units: ug/l

Processing Integration Results



RT: 5.42
Area: 173165
Amount: 345.1100
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 16-Dec-2021 13:34:34
Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration
Page 103 of 550

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15117.D
 Lims ID: IC v1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 15-Dec-2021 16:35:30 ALS Bottle#: 17 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0046415-017
 Misc. Info.: IC STD1
 Operator ID: jml01693 Instrument ID: 9137
 Sublist: chrom-MSVoa_9137*sub28
 Method: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\MSVoa_9137.m
 Limit Group: MSV - 8260C_D
 Last Update: 16-Dec-2021 15:04:48 Calib Date: 15-Dec-2021 16:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15117.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: longj

Date: 16-Dec-2021 13:42:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.348	1.354	-0.006	1	6997	1.00	0.8503	
5 Chloromethane	50	1.495	1.486	0.009	98	12711	1.00	1.15	
8 Butadiene	39	1.553	1.553	0.000	88	12193	1.00	1.09	
7 Vinyl chloride	62	1.566	1.563	0.003	87	11517	1.00	1.05	
10 Bromomethane	94	1.787	1.790	-0.003	78	6284	1.00	1.01	
11 Chloroethane	64	1.829	1.826	0.003	51	5799	1.00	0.9506	
13 Dichlorofluoromethane	67	1.977	1.980	-0.003	96	13083	1.00	0.9801	
15 Pentane	43	2.050	2.047	0.003	97	13335	1.00	0.9161	
14 Trichlorofluoromethane	101	2.054	2.047	0.007	54	10466	1.00	0.9284	
16 Ethanol	45	2.108	2.131	-0.023	22	10423	62.5	70.8	M
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.230	2.227	0.003	26	9339	1.00	0.9897	
19 Acrolein	56	2.314	2.307	0.007	94	28604	10.0	9.61	
20 1,1-Dichloroethene	96	2.403	2.400	0.003	96	5899	1.00	0.9610	
22 Acetone	58	2.448	2.423	0.025	68	3261	2.00	2.32	
21 112TCTFE	101	2.432	2.429	0.003	45	4629	1.00	0.8077	
23 Isopropyl alcohol	45	2.532	2.535	-0.003	71	19458	20.0	19.4	
24 Iodomethane	142	2.545	2.535	0.010	95	9957	1.00	1.03	
25 Carbon disulfide	76	2.609	2.605	0.004	100	17062	1.00	0.9676	
26 3-Chloro-1-propene	41	2.715	2.702	0.013	95	12180	1.00	0.9698	
27 Methyl acetate	43	2.727	2.715	0.012	63	11915	1.00	1.20	
28 Methylene Chloride	84	2.811	2.808	0.003	96	7607	1.00	1.09	
* 30 t-Butyl alcohol-d10 (IS)	65	2.837	2.833	0.004	98	389778	250.0	250.0	
31 2-Methyl-2-propanol	59	2.904	2.907	-0.003	47	36355	20.0	19.1	
32 Acrylonitrile	53	3.023	3.019	0.004	49	12614	2.50	2.61	
34 Methyl tert-butyl ether	73	3.052	3.058	-0.006	94	23337	1.00	1.06	
33 trans-1,2-Dichloroethene	96	3.068	3.058	0.010	86	6912	1.00	1.04	
35 Hexane	57	3.305	3.315	-0.010	69	10795	1.00	0.8823	
36 1,1-Dichloroethane	63	3.437	3.440	-0.003	40	12173	1.00	0.9364	
37 Isopropyl ether	45	3.507	3.510	-0.003	90	26642	1.00	1.04	
38 2-Chloro-1,3-butadiene	53	3.526	3.530	-0.004	89	11086	1.00	0.9588	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	3.857	3.854	0.003	87	25202	1.00	1.08	
43 2-Butanone (MEK)	43	4.005	3.979	0.026	91	15150	2.00	2.10	
41 cis-1,2-Dichloroethene	96	3.995	3.992	0.003	81	7783	1.00	1.09	
42 2,2-Dichloropropane	77	4.008	4.001	0.007	51	11226	1.00	1.06	
44 Propionitrile	54	4.062	4.037	0.025	98	39686	20.0	18.6	
45 Methacrylonitrile	67	4.191	4.187	0.004	93	46516	10.0	9.63	
46 Chlorobromomethane	128	4.210	4.223	-0.013	45	3319	1.00	0.9856	
47 Tetrahydrofuran	71	4.252	4.255	-0.003	57	9239	5.00	4.92	
48 Chloroform	83	4.306	4.293	0.013	71	11522	1.00	1.03	
\$ 50 Dibromofluoromethane (Surr)	113	4.454	4.454	0.000	94	273868	50.0	50.1	
51 1,1,1-Trichloroethane	97	4.486	4.486	0.000	75	9120	1.00	0.9116	
53 Cyclohexane	56	4.541	4.547	-0.007	86	12842	1.00	0.8721	
54 1,1-Dichloropropene	75	4.640	4.640	0.000	93	8825	1.00	0.8935	
55 Carbon tetrachloride	117	4.656	4.656	0.000	68	7261	1.00	0.8849	
56 Isobutyl alcohol	41	4.756	4.749	0.007	74	30307	50.0	49.0	
\$ 57 1,2-Dichloroethane-d4 (Surr)	102	4.784	4.788	-0.004	79	76888	50.0	50.7	
58 Benzene	78	4.845	4.845	0.000	93	29146	1.00	1.01	
59 1,2-Dichloroethane	62	4.852	4.858	-0.006	48	10163	1.00	1.10	
60 Tert-amyl methyl ether	73	4.967	4.970	-0.003	97	22796	1.00	1.03	
* 61 Fluorobenzene (IS)	96	5.121	5.124	-0.003	98	1168328	50.0	50.0	
62 n-Heptane	43	5.128	5.128	0.000	37	12312	1.00	0.9058	
63 n-Butanol	56	5.433	5.429	0.004	92	39664	87.5	76.0	
64 Trichloroethene	95	5.497	5.497	0.000	92	6653	1.00	0.9628	
66 Methylcyclohexane	83	5.709	5.708	0.001	88	14163	1.00	0.9851	
67 1,2-Dichloropropane	63	5.725	5.725	0.000	90	7890	1.00	1.00	
68 2-ethoxy-2-methyl butane	87	5.773	5.779	-0.006	89	10615	1.00	0.9841	
69 Dibromomethane	93	5.834	5.843	-0.009	79	4449	1.00	1.04	
70 Methyl methacrylate	69	5.869	5.856	0.013	95	6927	1.00	0.9513	
71 1,4-Dioxane	88	5.869	5.869	0.000	50	4856	50.0	44.3	
72 Dichlorobromomethane	83	6.017	6.013	0.004	95	7554	1.00	0.9335	
S 73 1,2-Dichloroethene, Total	100				0			2.13	
74 2-Nitropropane	41	6.254	6.254	0.000	96	13838	5.00	4.51	
75 2-Chloroethyl vinyl ether	63	6.354	6.344	0.010	88	5427	1.00	0.8691	
77 cis-1,3-Dichloropropene	75	6.501	6.491	0.010	90	10626	1.00	0.9241	
78 4-Methyl-2-pentanone (MIBK)	43	6.671	6.668	0.003	96	27212	2.00	1.98	
\$ 79 Toluene-d8 (Surr)	98	6.780	6.783	-0.003	93	1186331	50.0	49.8	
80 Toluene	92	6.854	6.857	-0.003	98	19754	1.00	1.08	
81 trans-1,3-Dichloropropene	75	7.108	7.098	0.010	58	9538	1.00	0.9277	
84 Ethyl methacrylate	69	7.226	7.217	0.009	92	10277	1.00	0.8963	
87 1,1,2-Trichloroethane	97	7.291	7.290	0.001	86	5604	1.00	0.9152	
88 Tetrachloroethene	166	7.445	7.438	0.007	94	7049	1.00	0.9714	
89 1,3-Dichloropropane	76	7.464	7.461	0.003	77	11360	1.00	1.01	
90 2-Hexanone	43	7.570	7.560	0.010	95	18532	2.00	1.82	
92 Chlorodibromomethane	129	7.688	7.685	0.003	88	6047	1.00	0.9621	
93 Ethylene Dibromide	107	7.794	7.791	0.003	93	6916	1.00	1.04	
* 94 Chlorobenzene-d5 (IS)	117	8.231	8.231	0.000	87	845055	50.0	50.0	
95 1-Chlorohexane	91	8.247	8.250	-0.003	61	9971	1.00	1.02	
96 Chlorobenzene	112	8.253	8.256	-0.003	95	18304	1.00	1.00	
97 1,1,1,2-Tetrachloroethane	131	8.337	8.333	0.004	64	5982	1.00	0.9782	
98 Ethylbenzene	91	8.362	8.362	0.000	98	32358	1.00	0.9796	
99 m-Xylene & p-Xylene	106	8.471	8.465	0.006	99	24556	2.00	1.93	
101 o-Xylene	106	8.805	8.802	0.003	96	12486	1.00	0.9840	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
102 Styrene	104	8.821	8.811	0.010	94	20184	1.00	0.9765	
103 Bromoform	173	8.962	8.956	0.006	89	3874	1.00	0.8259	
104 Isopropylbenzene	105	9.107	9.107	0.000	96	29407	1.00	0.9045	
105 Cyclohexanone	55	9.181	9.171	0.010	96	24453	50.0	51.4	
\$ 106 4-Bromofluorobenzene (Surr)	95	9.222	9.222	0.000	90	421118	50.0	49.3	
108 Bromobenzene	156	9.344	9.338	0.006	93	7360	1.00	0.9684	
109 1,1,2,2-Tetrachloroethane	83	9.341	9.341	0.000	93	11118	1.00	1.00	
110 1,2,3-Trichloropropane	110	9.376	9.370	0.006	76	3173	1.00	0.9802	
111 trans-1,4-Dichloro-2-butene	53	9.386	9.383	0.003	93	33856	10.0	8.97	
112 N-Propylbenzene	91	9.434	9.431	0.003	99	35883	1.00	0.9331	
113 2-Chlorotoluene	126	9.495	9.492	0.003	96	7046	1.00	0.9403	
114 1,3,5-Trimethylbenzene	105	9.569	9.566	0.003	93	24847	1.00	0.9146	
115 4-Chlorotoluene	126	9.579	9.575	0.003	97	6441	1.00	0.8539	
116 tert-Butylbenzene	134	9.813	9.813	0.000	93	5235	1.00	0.9230	
118 1,2,4-Trimethylbenzene	105	9.848	9.845	0.003	98	24649	1.00	0.8918	
119 sec-Butylbenzene	105	9.976	9.973	0.003	94	30339	1.00	0.8983	
121 1,3-Dichlorobenzene	146	10.050	10.047	0.003	96	13763	1.00	0.9376	
S 122 1,3-Dichloropropene, Total	100				0			1.85	
123 4-Isopropyltoluene	119	10.079	10.076	0.003	93	25520	1.00	0.8902	
* 124 1,4-Dichlorobenzene-d4	152	10.095	10.095	0.000	95	477048	50.0	50.0	
125 1,4-Dichlorobenzene	146	10.111	10.111	0.000	89	15307	1.00	1.01	
126 1,2,3-Trimethylbenzene	105	10.153	10.153	0.000	97	25480	1.00	0.9024	
127 Benzyl chloride	91	10.217	10.211	0.006	98	18859	1.00	0.8730	
128 1,3-Diethylbenzene	119	10.294	10.291	0.003	94	15231	1.00	0.8851	
129 p-Diethylbenzene	119	10.349	10.352	-0.003	92	14820	1.00	0.8371	
130 n-Butylbenzene	92	10.371	10.368	0.003	99	11517	1.00	0.8093	
131 1,2-Dichlorobenzene	146	10.381	10.381	0.000	95	14116	1.00	0.9766	
132 o-diethylbenzene	119	10.435	10.432	0.003	95	12831	1.00	0.8804	
133 1,2-Dibromo-3-Chloropropane	75	10.920	10.917	0.003	74	3086	1.00	1.08	
134 1,3,5-Trichlorobenzene	180	11.067	11.061	0.006	95	9214	1.00	0.8527	
S 135 Xylenes, Total	106				0			2.91	
136 1,2,4-Trichlorobenzene	180	11.472	11.468	0.004	92	10201	1.00	0.9746	
137 Hexachlorobutadiene	225	11.581	11.581	0.000	93	3892	1.00	0.9339	
138 Naphthalene	128	11.642	11.632	0.010	97	36464	1.00	0.9793	
139 1,2,3-Trichlorobenzene	180	11.793	11.786	0.007	94	9782	1.00	0.9554	
140 2-Methylnaphthalene	142	12.361	12.354	0.007	88	17832	1.00	0.8649	
S 156 Total Diethylbenzene	1				0			2.60	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_4ppbEtOH_00296

Amount Added: 12.50

Units: mL

MSV_HP18_ISSS_00023

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 16-Dec-2021 15:04:49

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15117.D

Injection Date: 15-Dec-2021 16:35:30

Instrument ID: 9137

Operator ID: jml01693

Lims ID: IC v1

Worklist Smp#: 17

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

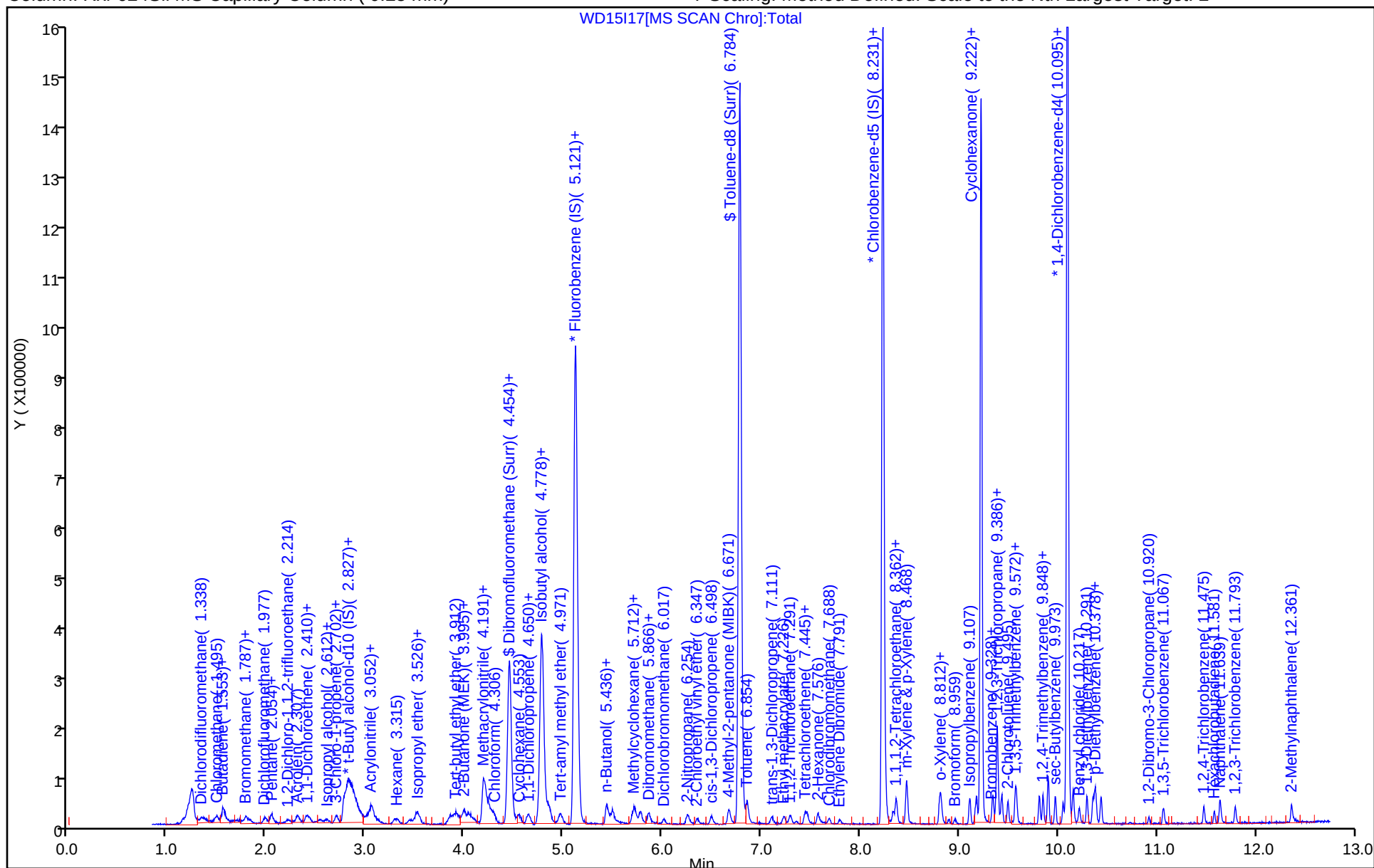
ALS Bottle#: 17

Method: MSVoa_9137

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15117.D

Injection Date: 15-Dec-2021 16:35:30

Instrument ID: 9137

Lims ID: IC v1

Client ID:

Operator ID: jml01693

ALS Bottle#:

17

Worklist Smp#: 17

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: MSVoa_9137

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

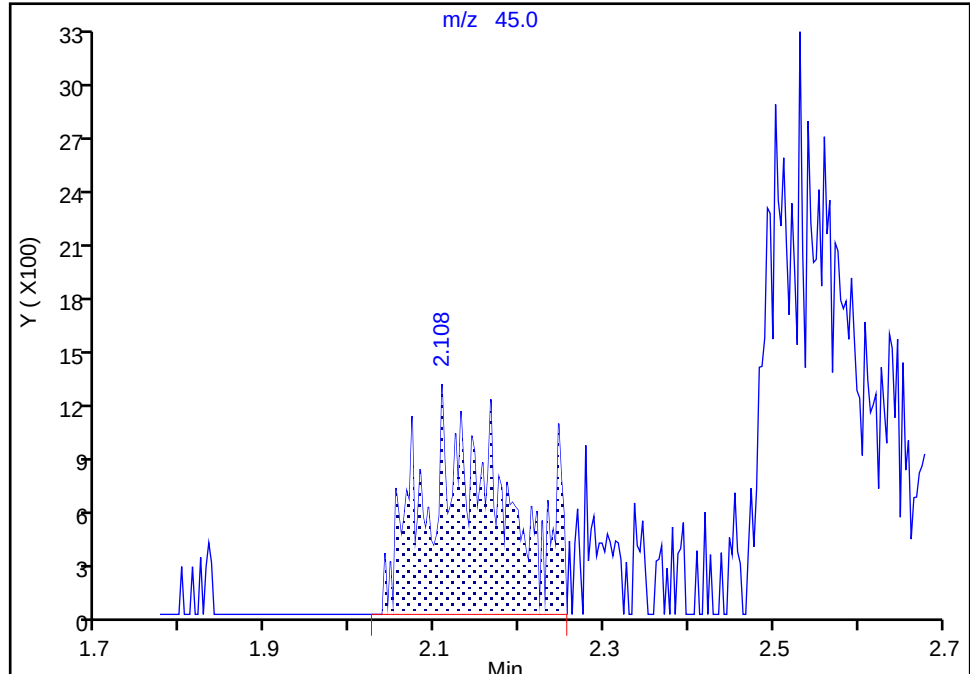
MS Quad

16 Ethanol, CAS: 64-17-5

Signal: 1

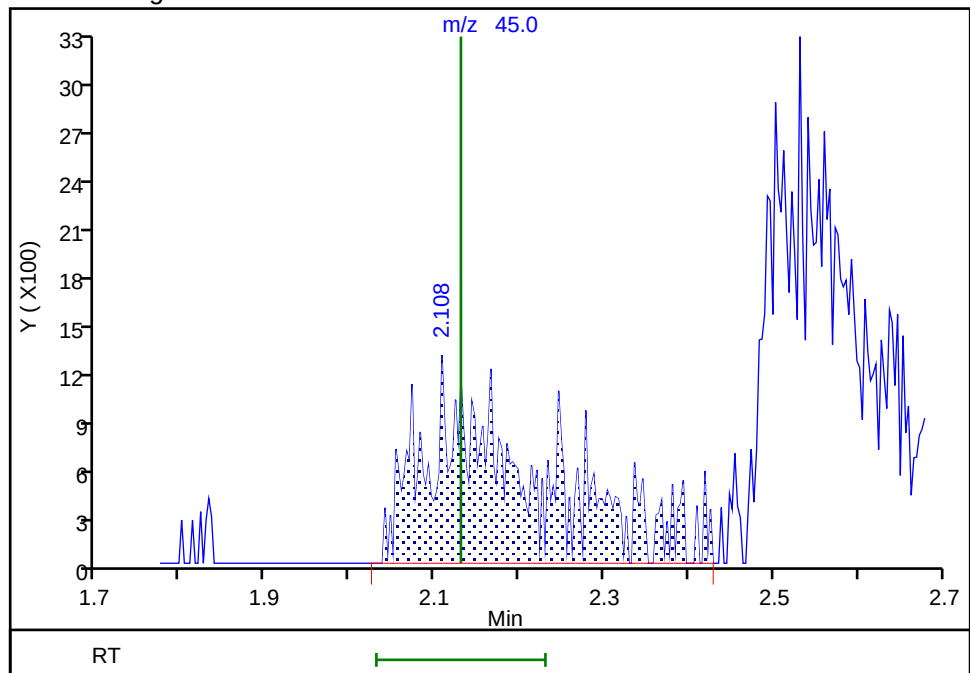
RT: 2.11
Area: 7651
Amount: 54.322515
Amount Units: ug/l

Processing Integration Results



RT: 2.11
Area: 10423
Amount: 70.818220
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 16-Dec-2021 13:41:54

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Calibration

/ Dichlorodifluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

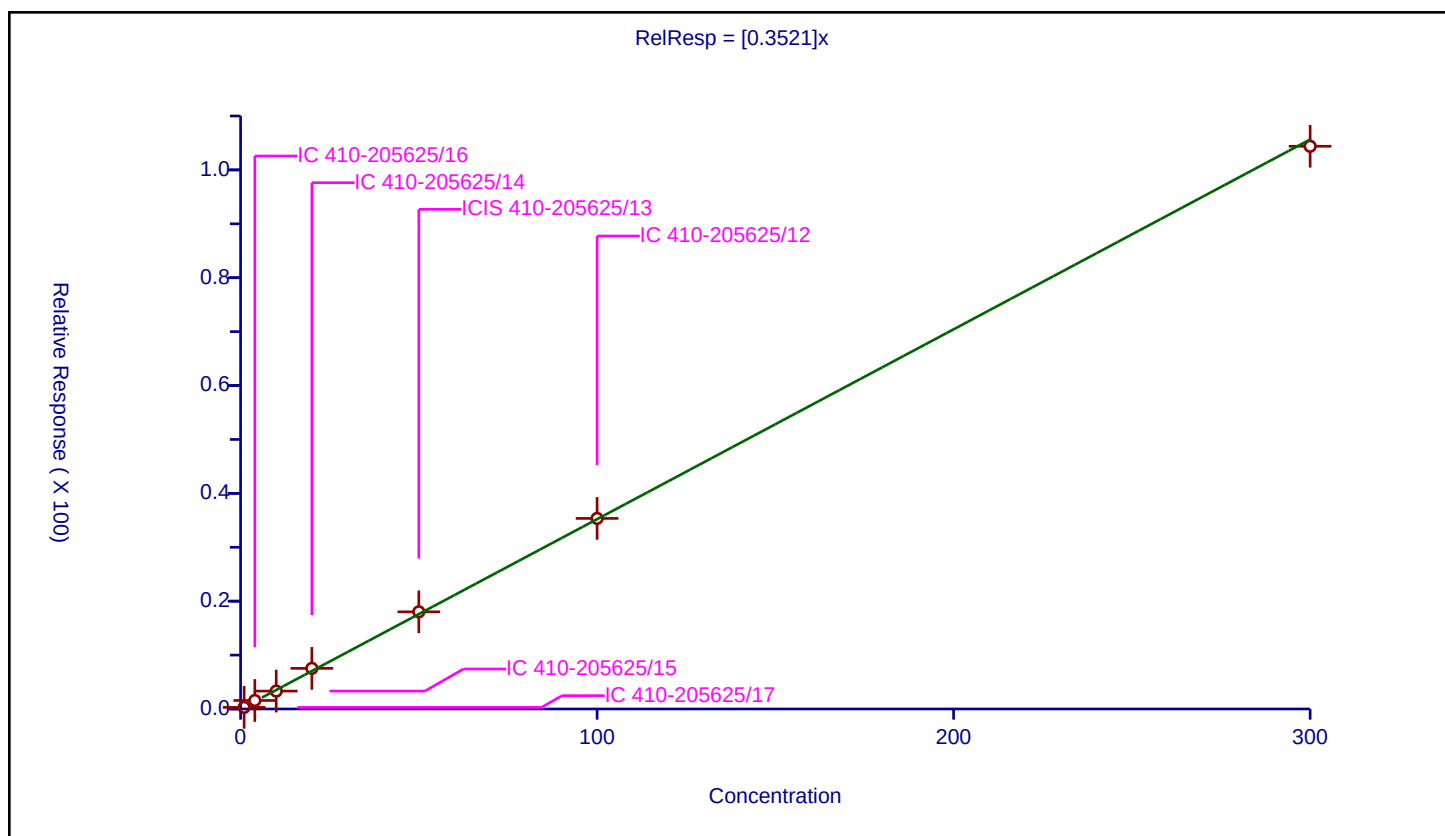
Curve Coefficients

Intercept: 0
Slope: 0.3521

Error Coefficients

Standard Error: 1110000
Relative Standard Error: 8.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.299445	50.0	1168328.0	0.299445	Y
2	IC 410-205625/16	4.0	1.578366	50.0	1191264.0	0.394591	Y
3	IC 410-205625/15	10.0	3.321209	50.0	1184072.0	0.332121	Y
4	IC 410-205625/14	20.0	7.537114	50.0	1187842.0	0.376856	Y
5	ICIS 410-205625/13	50.0	18.026042	50.0	1182847.0	0.360521	Y
6	IC 410-205625/12	100.0	35.352387	50.0	1200810.0	0.353524	Y
7	IC 410-205625/11	300.0	104.385712	50.0	1211810.0	0.347952	Y



Calibration

/ Chloromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

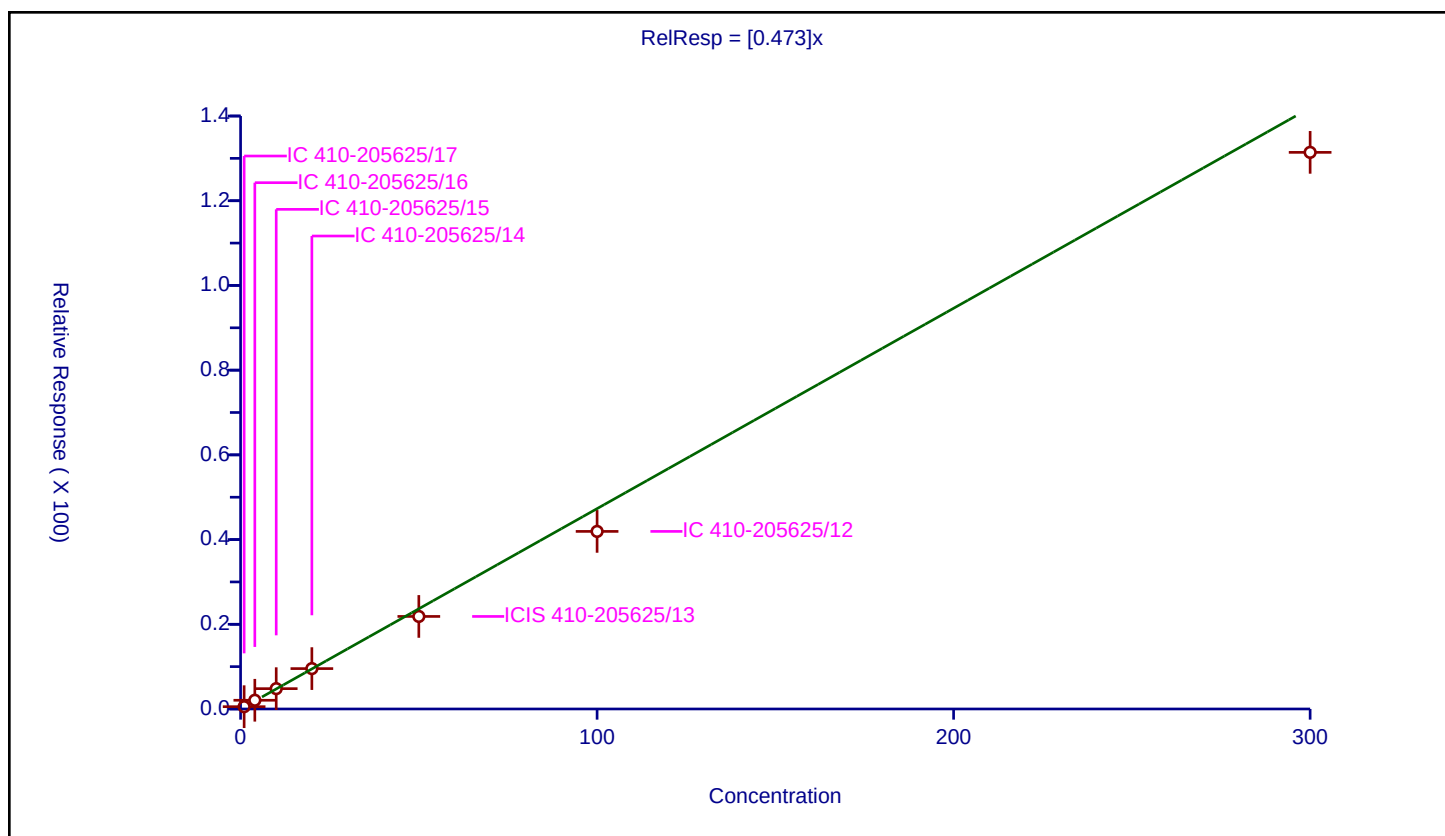
Curve Coefficients

Intercept: 0
 Slope: 0.473

Error Coefficients

Standard Error: 1380000
 Relative Standard Error: 9.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.543983	50.0	1168328.0	0.543983	Y
2	IC 410-205625/16	4.0	2.064991	50.0	1191264.0	0.516248	Y
3	IC 410-205625/15	10.0	4.798441	50.0	1184072.0	0.479844	Y
4	IC 410-205625/14	20.0	9.538179	50.0	1187842.0	0.476909	Y
5	ICIS 410-205625/13	50.0	21.850924	50.0	1182847.0	0.437018	Y
6	IC 410-205625/12	100.0	41.925659	50.0	1200810.0	0.419257	Y
7	IC 410-205625/11	300.0	131.416435	50.0	1211810.0	0.438055	Y



Calibration

/ Butadiene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

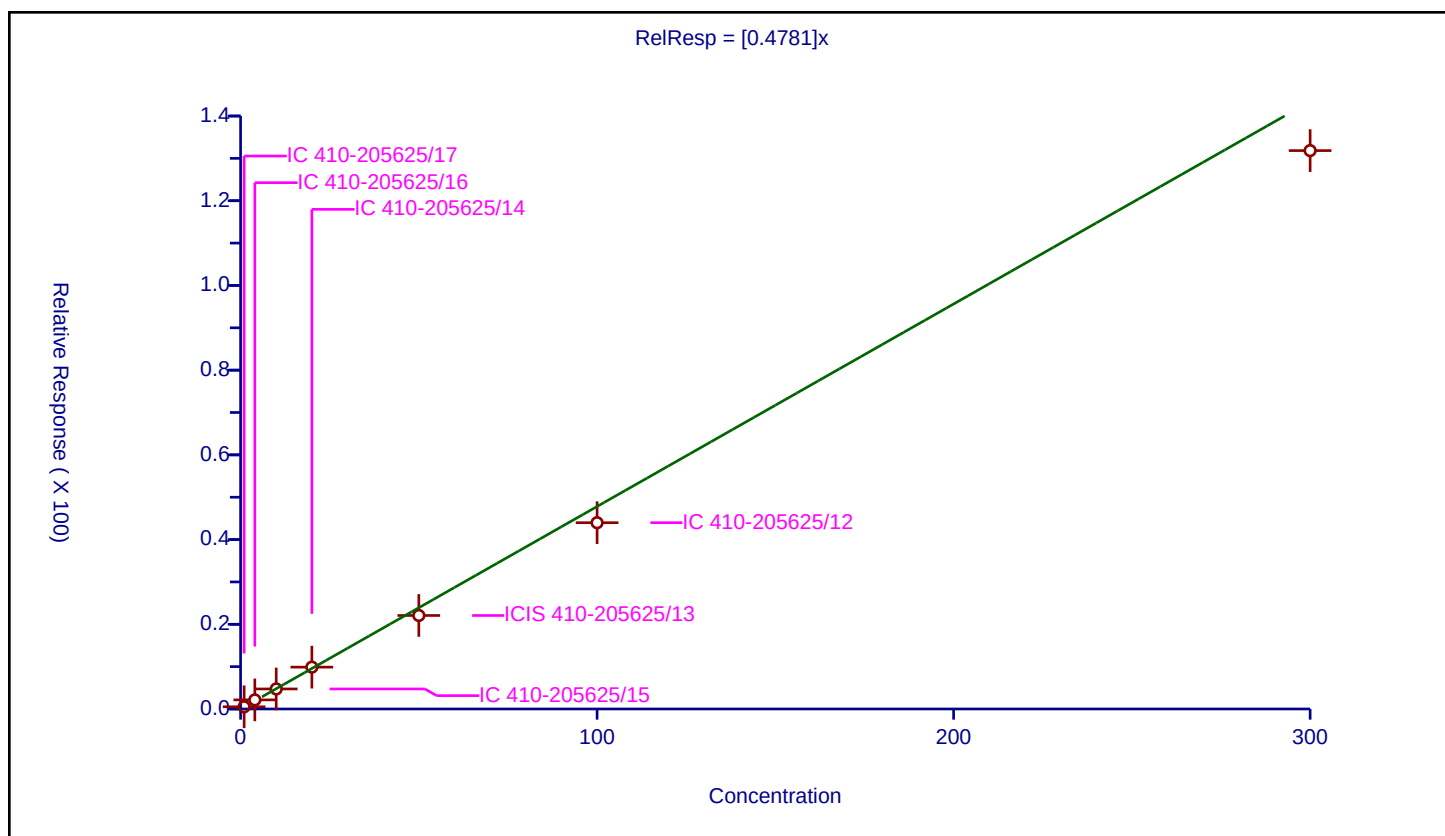
Curve Coefficients

Intercept: 0
 Slope: 0.4781

Error Coefficients

Standard Error: 1390000
 Relative Standard Error: 8.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.521814	50.0	1168328.0	0.521814	Y
2	IC 410-205625/16	4.0	2.146963	50.0	1191264.0	0.536741	Y
3	IC 410-205625/15	10.0	4.732356	50.0	1184072.0	0.473236	Y
4	IC 410-205625/14	20.0	9.880144	50.0	1187842.0	0.494007	Y
5	ICIS 410-205625/13	50.0	22.077792	50.0	1182847.0	0.441556	Y
6	IC 410-205625/12	100.0	43.983103	50.0	1200810.0	0.439831	Y
7	IC 410-205625/11	300.0	131.832507	50.0	1211810.0	0.439442	Y



Calibration

/ Vinyl chloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

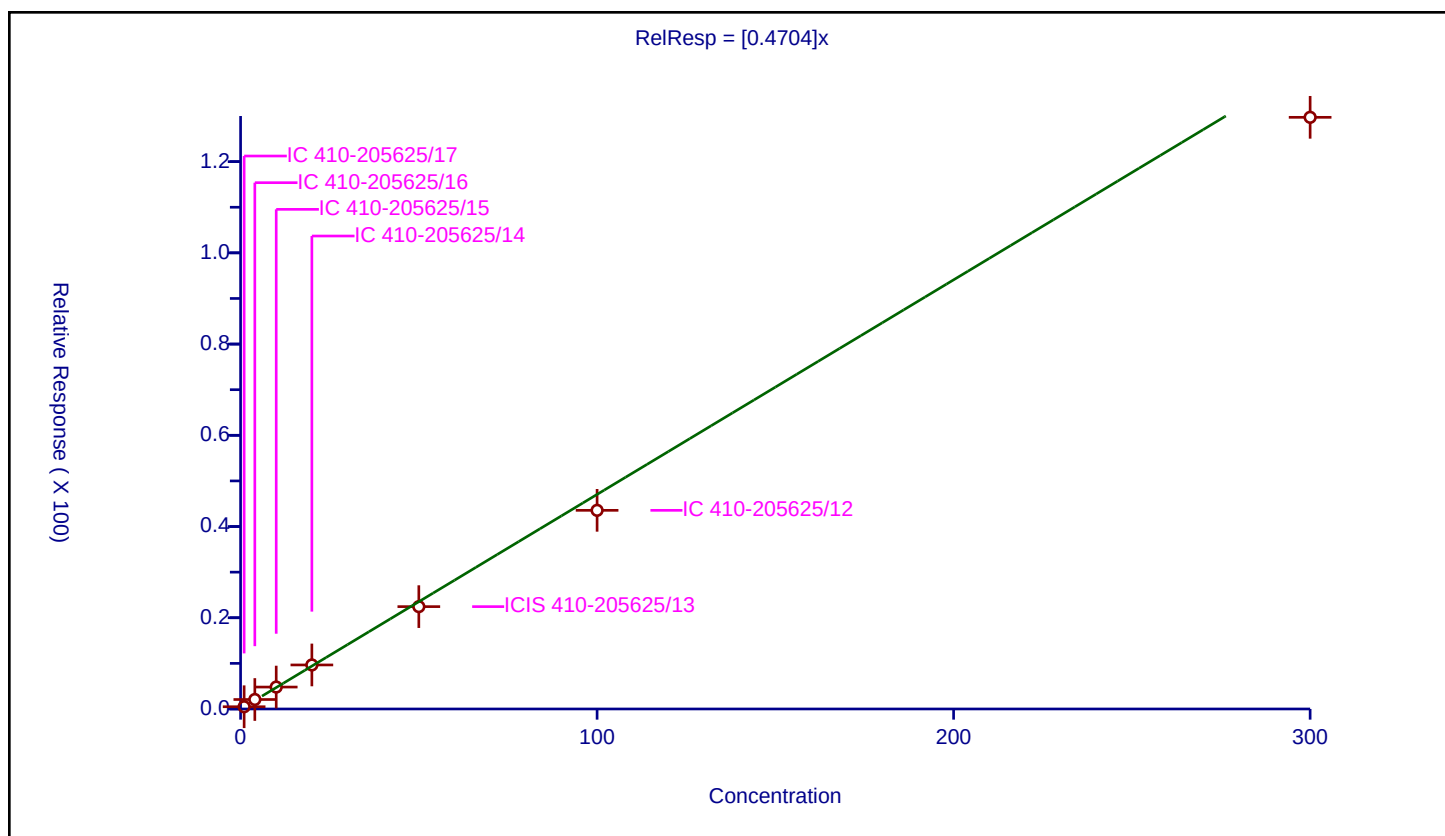
Curve Coefficients

Intercept: 0
 Slope: 0.4704

Error Coefficients

Standard Error: 1370000
 Relative Standard Error: 6.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.492884	50.0	1168328.0	0.492884	Y
2	IC 410-205625/16	4.0	2.080059	50.0	1191264.0	0.520015	Y
3	IC 410-205625/15	10.0	4.806296	50.0	1184072.0	0.48063	Y
4	IC 410-205625/14	20.0	9.653557	50.0	1187842.0	0.482678	Y
5	ICIS 410-205625/13	50.0	22.440392	50.0	1182847.0	0.448808	Y
6	IC 410-205625/12	100.0	43.551728	50.0	1200810.0	0.435517	Y
7	IC 410-205625/11	300.0	129.714972	50.0	1211810.0	0.432383	Y



Calibration

/ Bromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

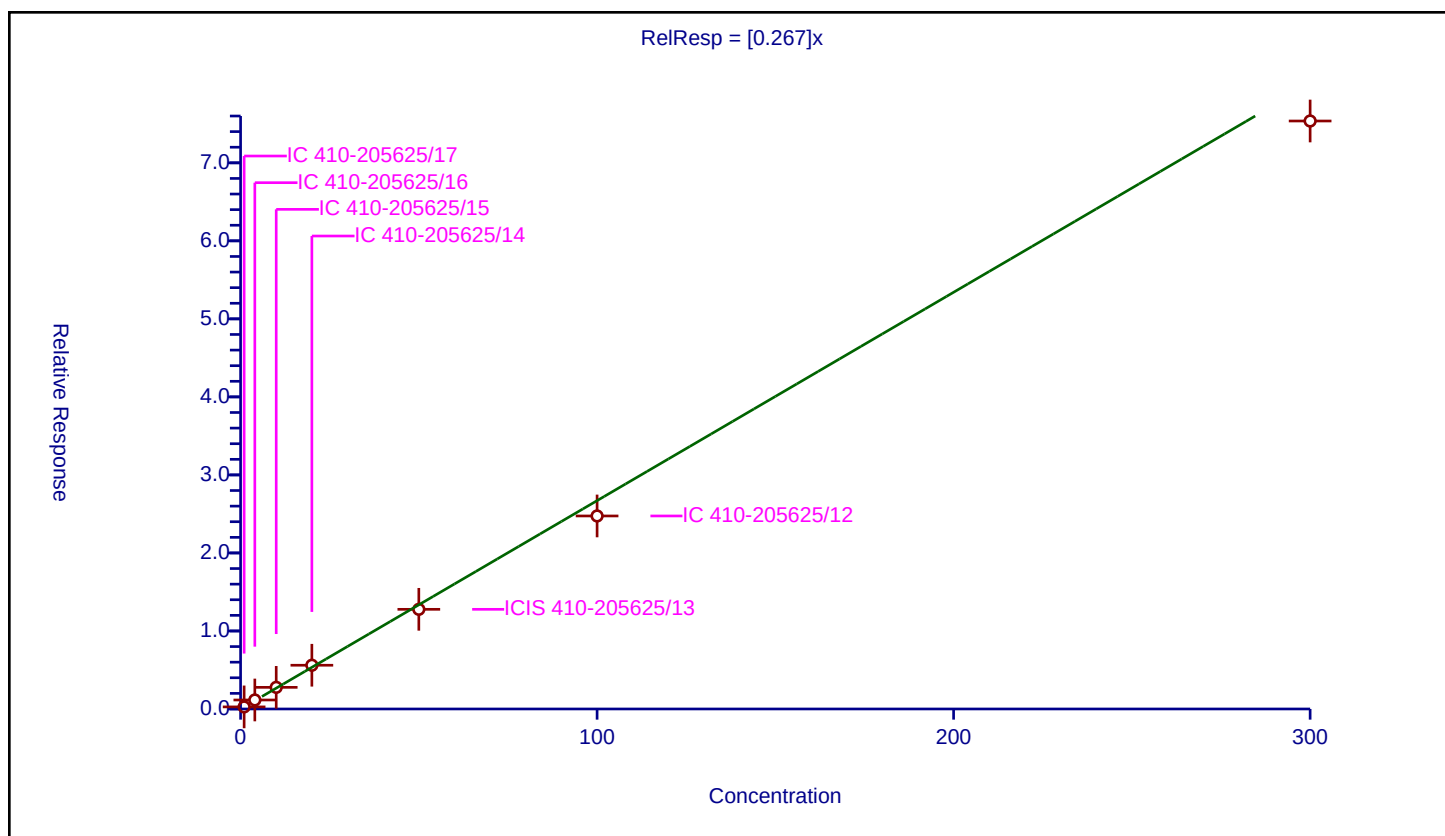
Curve Coefficients

Intercept: 0
 Slope: 0.267

Error Coefficients

Standard Error: 796000
 Relative Standard Error: 6.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.268931	50.0	1168328.0	0.268931	Y
2	IC 410-205625/16	4.0	1.154908	50.0	1191264.0	0.288727	Y
3	IC 410-205625/15	10.0	2.773184	50.0	1184072.0	0.277318	Y
4	IC 410-205625/14	20.0	5.605712	50.0	1187842.0	0.280286	Y
5	ICIS 410-205625/13	50.0	12.772531	50.0	1182847.0	0.255451	Y
6	IC 410-205625/12	100.0	24.740425	50.0	1200810.0	0.247404	Y
7	IC 410-205625/11	300.0	75.361525	50.0	1211810.0	0.251205	Y



Calibration

/ Chloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

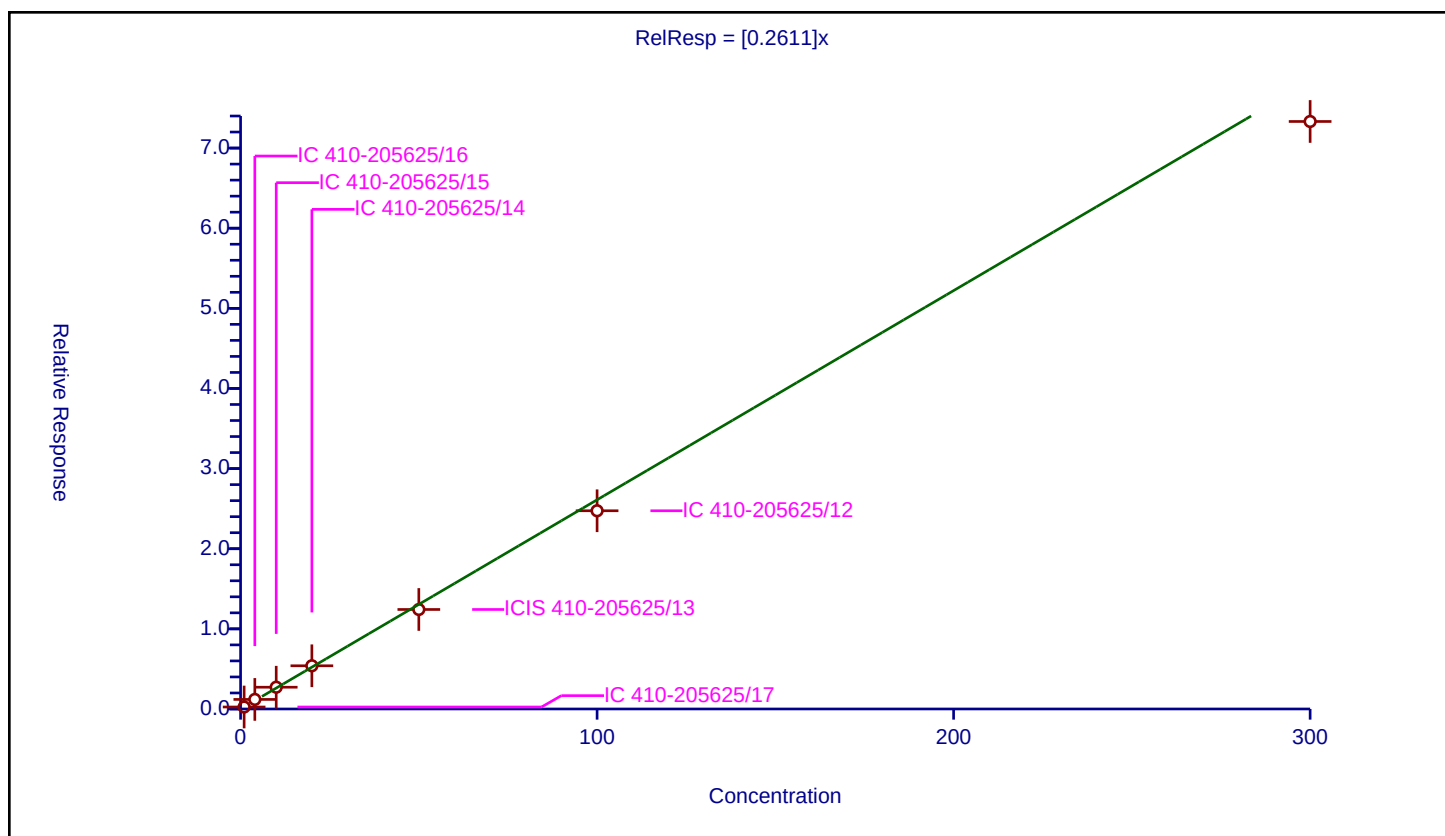
Curve Coefficients

Intercept: 0
Slope: 0.2611

Error Coefficients

Standard Error: 777000
Relative Standard Error: 7.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.248175	50.0	1168328.0	0.248175	Y
2	IC 410-205625/16	4.0	1.192053	50.0	1191264.0	0.298013	Y
3	IC 410-205625/15	10.0	2.716178	50.0	1184072.0	0.271618	Y
4	IC 410-205625/14	20.0	5.391163	50.0	1187842.0	0.269558	Y
5	ICIS 410-205625/13	50.0	12.416483	50.0	1182847.0	0.24833	Y
6	IC 410-205625/12	100.0	24.739051	50.0	1200810.0	0.247391	Y
7	IC 410-205625/11	300.0	73.317022	50.0	1211810.0	0.24439	Y



Calibration

/ Dichlorofluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

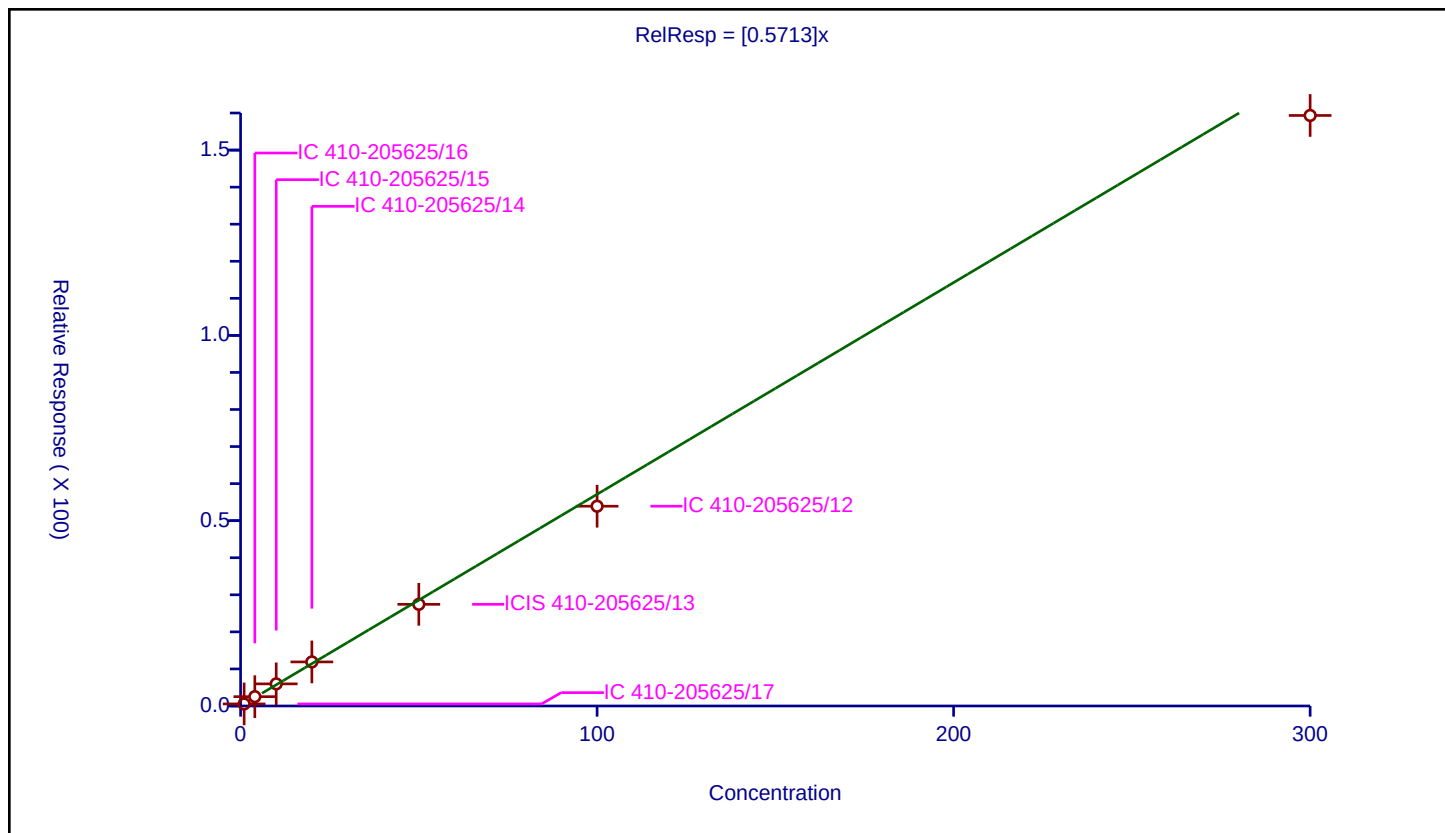
Curve Coefficients

Intercept: 0
 Slope: 0.5713

Error Coefficients

Standard Error: 1690000
 Relative Standard Error: 6.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.559903	50.0	1168328.0	0.559903	Y
2	IC 410-205625/16	4.0	2.515689	50.0	1191264.0	0.628922	Y
3	IC 410-205625/15	10.0	5.967078	50.0	1184072.0	0.596708	Y
4	IC 410-205625/14	20.0	11.886977	50.0	1187842.0	0.594349	Y
5	ICIS 410-205625/13	50.0	27.433556	50.0	1182847.0	0.548671	Y
6	IC 410-205625/12	100.0	53.906113	50.0	1200810.0	0.539061	Y
7	IC 410-205625/11	300.0	159.341398	50.0	1211810.0	0.531138	Y



Calibration

/ Pentane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

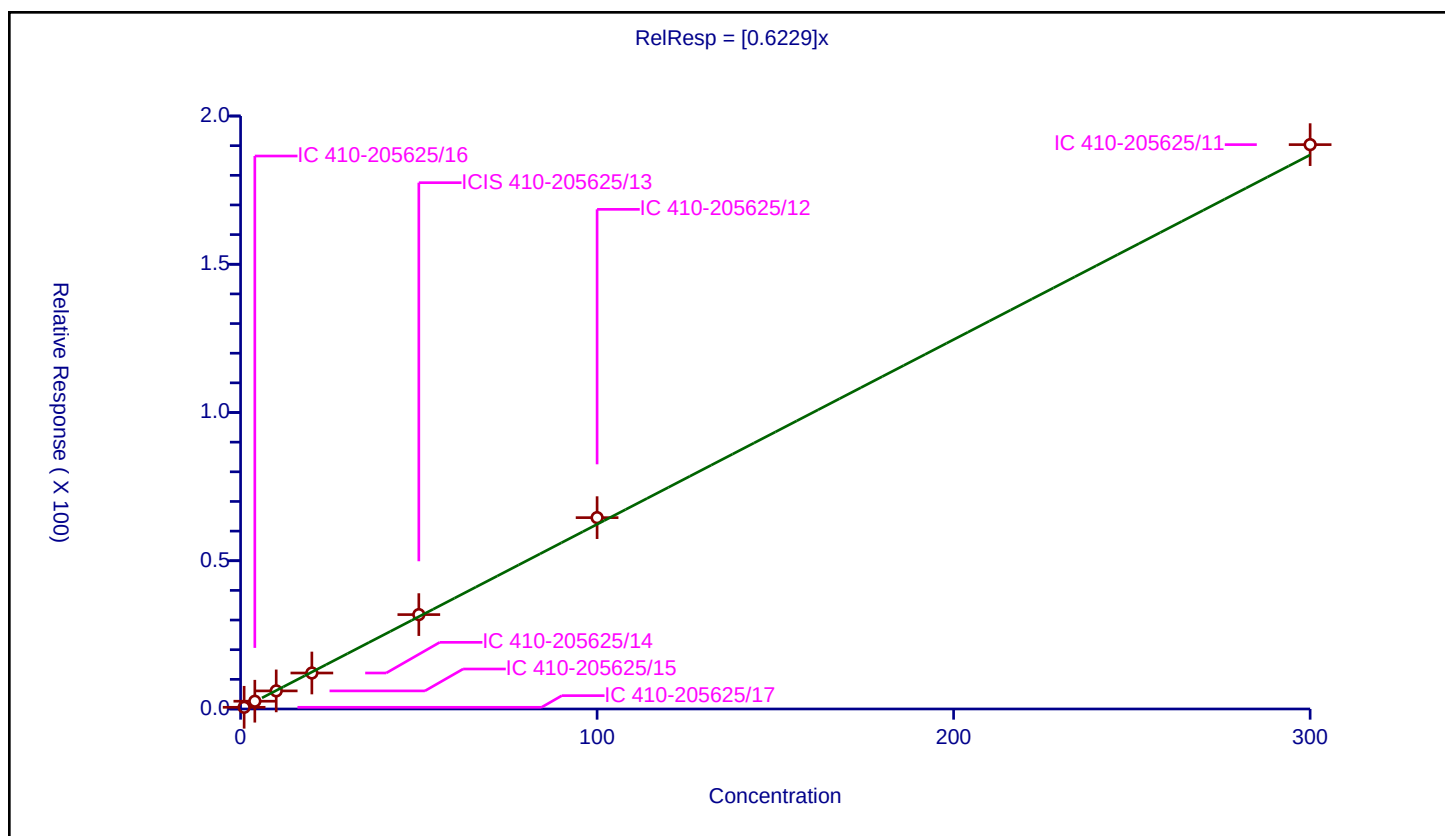
Curve Coefficients

Intercept: 0
Slope: 0.6229

Error Coefficients

Standard Error: 2010000
Relative Standard Error: 4.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.570687	50.0	1168328.0	0.570687	Y
2	IC 410-205625/16	4.0	2.625573	50.0	1191264.0	0.656393	Y
3	IC 410-205625/15	10.0	6.101318	50.0	1184072.0	0.610132	Y
4	IC 410-205625/14	20.0	12.133264	50.0	1187842.0	0.606663	Y
5	ICIS 410-205625/13	50.0	31.832097	50.0	1182847.0	0.636642	Y
6	IC 410-205625/12	100.0	64.542351	50.0	1200810.0	0.645424	Y
7	IC 410-205625/11	300.0	190.348735	50.0	1211810.0	0.634496	Y



Calibration

/ Trichlorofluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

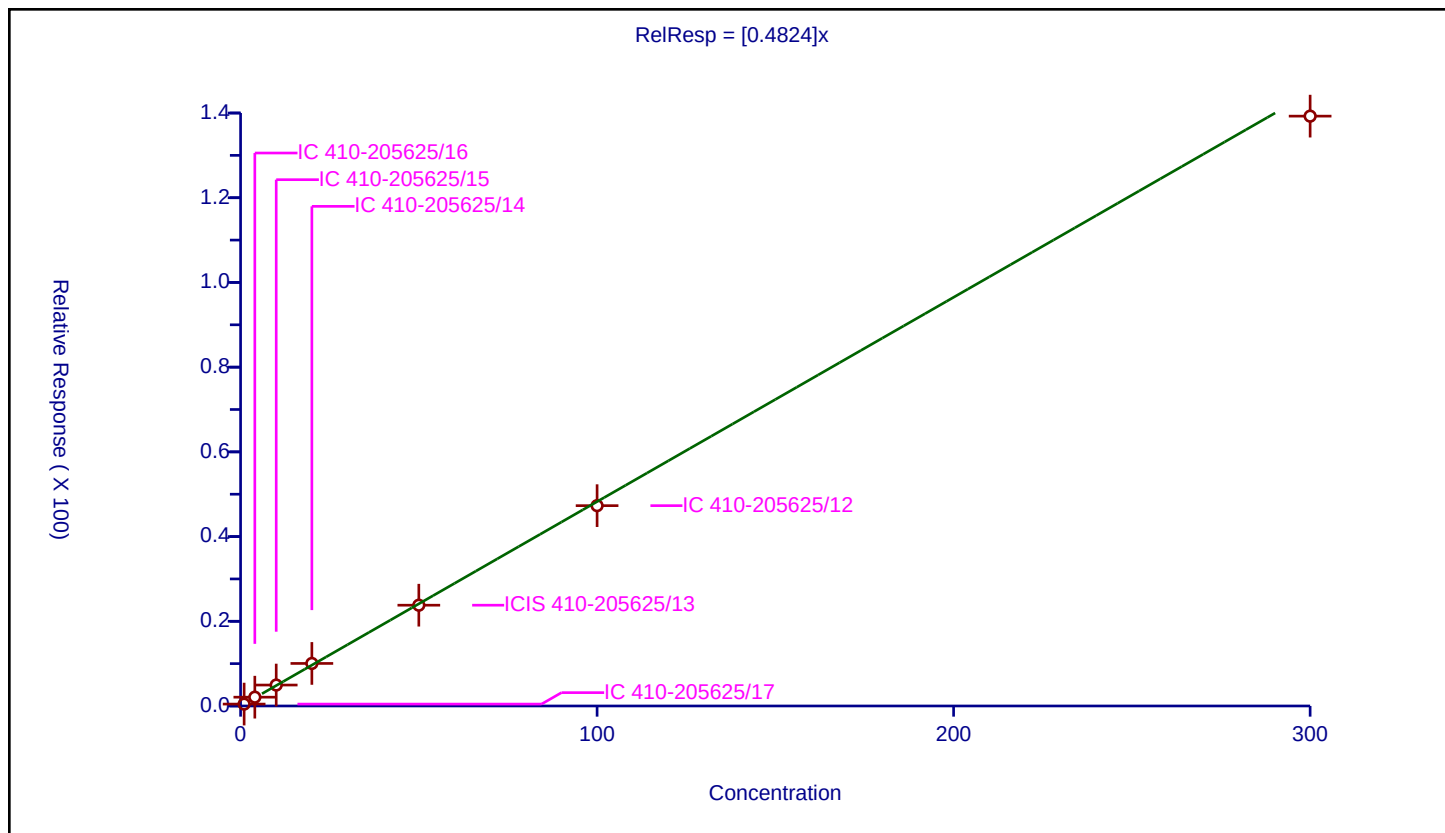
Curve Coefficients

Intercept: 0
 Slope: 0.4824

Error Coefficients

Standard Error: 1480000
 Relative Standard Error: 5.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.447905	50.0	1168328.0	0.447905	Y
2	IC 410-205625/16	4.0	2.078045	50.0	1191264.0	0.519511	Y
3	IC 410-205625/15	10.0	4.943872	50.0	1184072.0	0.494387	Y
4	IC 410-205625/14	20.0	10.044854	50.0	1187842.0	0.502243	Y
5	ICIS 410-205625/13	50.0	23.795427	50.0	1182847.0	0.475909	Y
6	IC 410-205625/12	100.0	47.296616	50.0	1200810.0	0.472966	Y
7	IC 410-205625/11	300.0	139.262838	50.0	1211810.0	0.464209	Y



Calibration

/ Ethanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

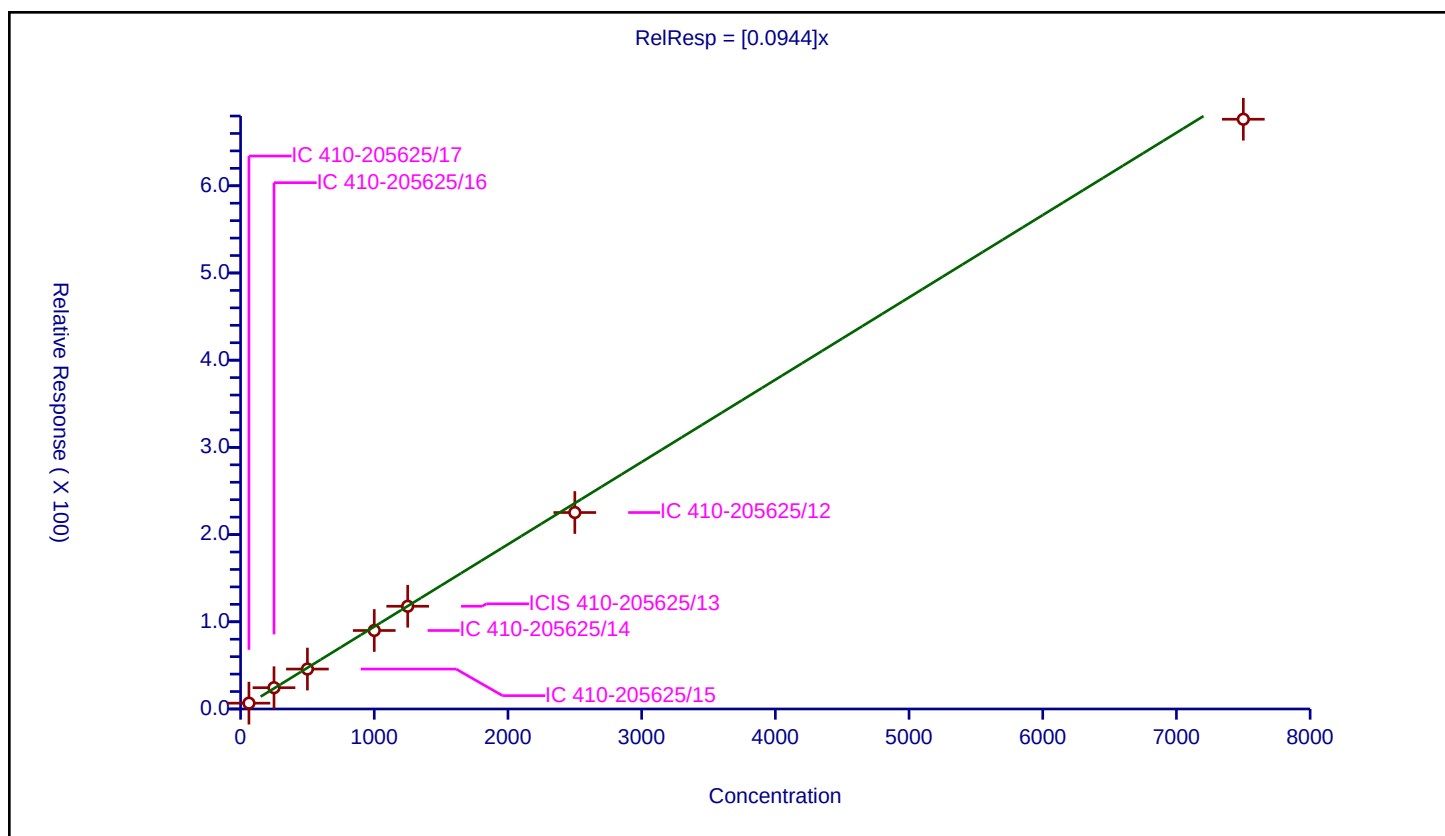
Curve Coefficients

Intercept: 0
 Slope: 0.0944

Error Coefficients

Standard Error: 418000
 Relative Standard Error: 6.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	62.503516	6.685216	250.0	389778.0	0.106957	Y
2	IC 410-205625/16	250.014064	24.427483	250.0	374967.0	0.097704	Y
3	IC 410-205625/15	500.028128	45.801946	250.0	391217.0	0.091599	Y
4	IC 410-205625/14	1000.056256	90.017213	250.0	379944.0	0.090012	Y
5	ICIS 410-205625/13	1250.07032	117.805144	250.0	372193.0	0.094239	Y
6	IC 410-205625/12	2500.14064	225.310925	250.0	355552.0	0.090119	Y
7	IC 410-205625/11	7500.42192	676.288518	250.0	349413.0	0.090167	Y



Calibration

/ 1,2-Dichloro-1,1,2-trifluoroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

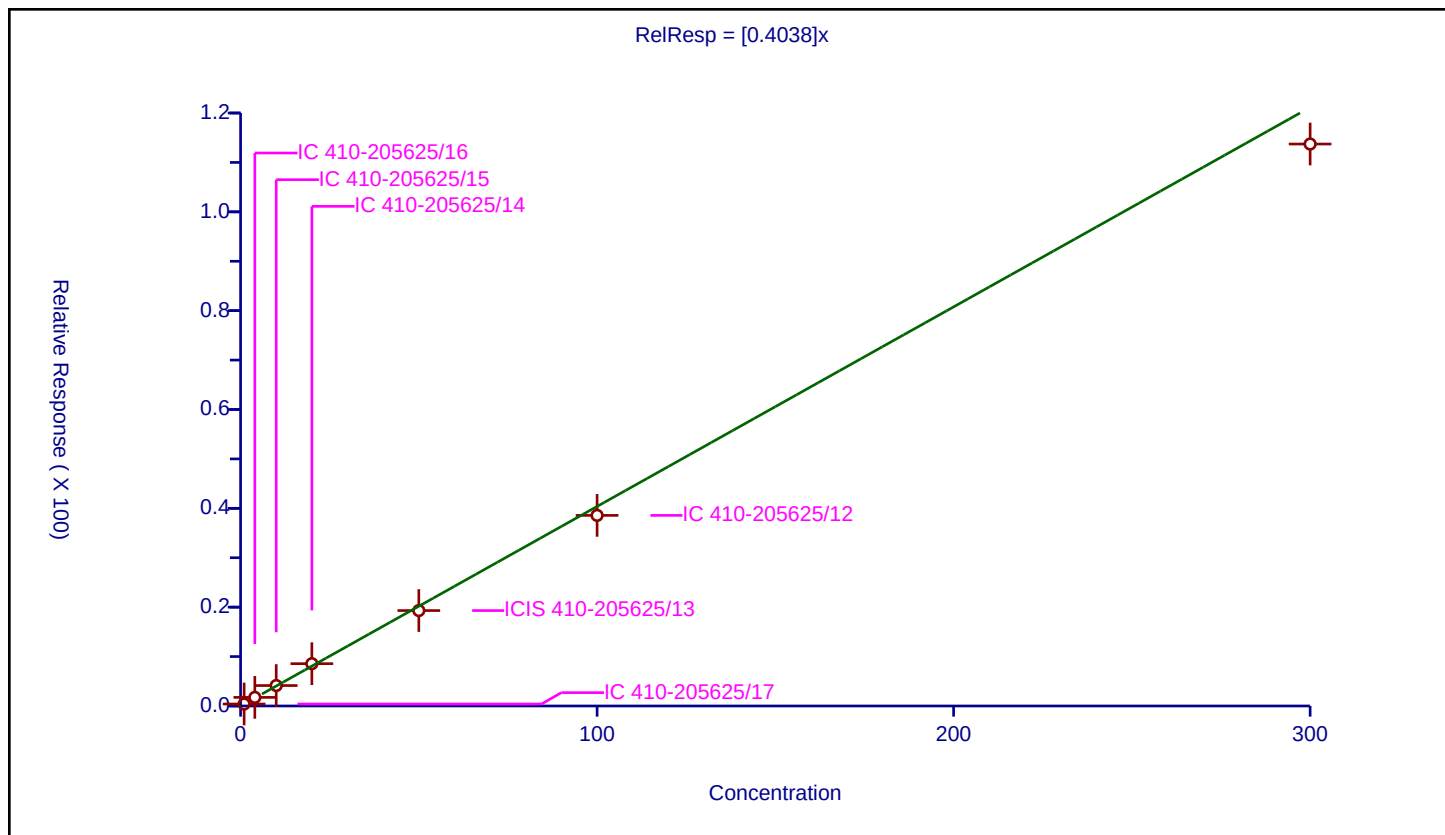
Curve Coefficients

Intercept: 0
Slope: 0.4038

Error Coefficients

Standard Error: 1210000
Relative Standard Error: 5.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.399674	50.0	1168328.0	0.399674	Y
2	IC 410-205625/16	4.0	1.737734	50.0	1191264.0	0.434434	Y
3	IC 410-205625/15	10.0	4.13501	50.0	1184072.0	0.413501	Y
4	IC 410-205625/14	20.0	8.561408	50.0	1187842.0	0.42807	Y
5	ICIS 410-205625/13	50.0	19.312515	50.0	1182847.0	0.38625	Y
6	IC 410-205625/12	100.0	38.569341	50.0	1200810.0	0.385693	Y
7	IC 410-205625/11	300.0	113.725997	50.0	1211810.0	0.379087	Y



Calibration

/ Acrolein

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

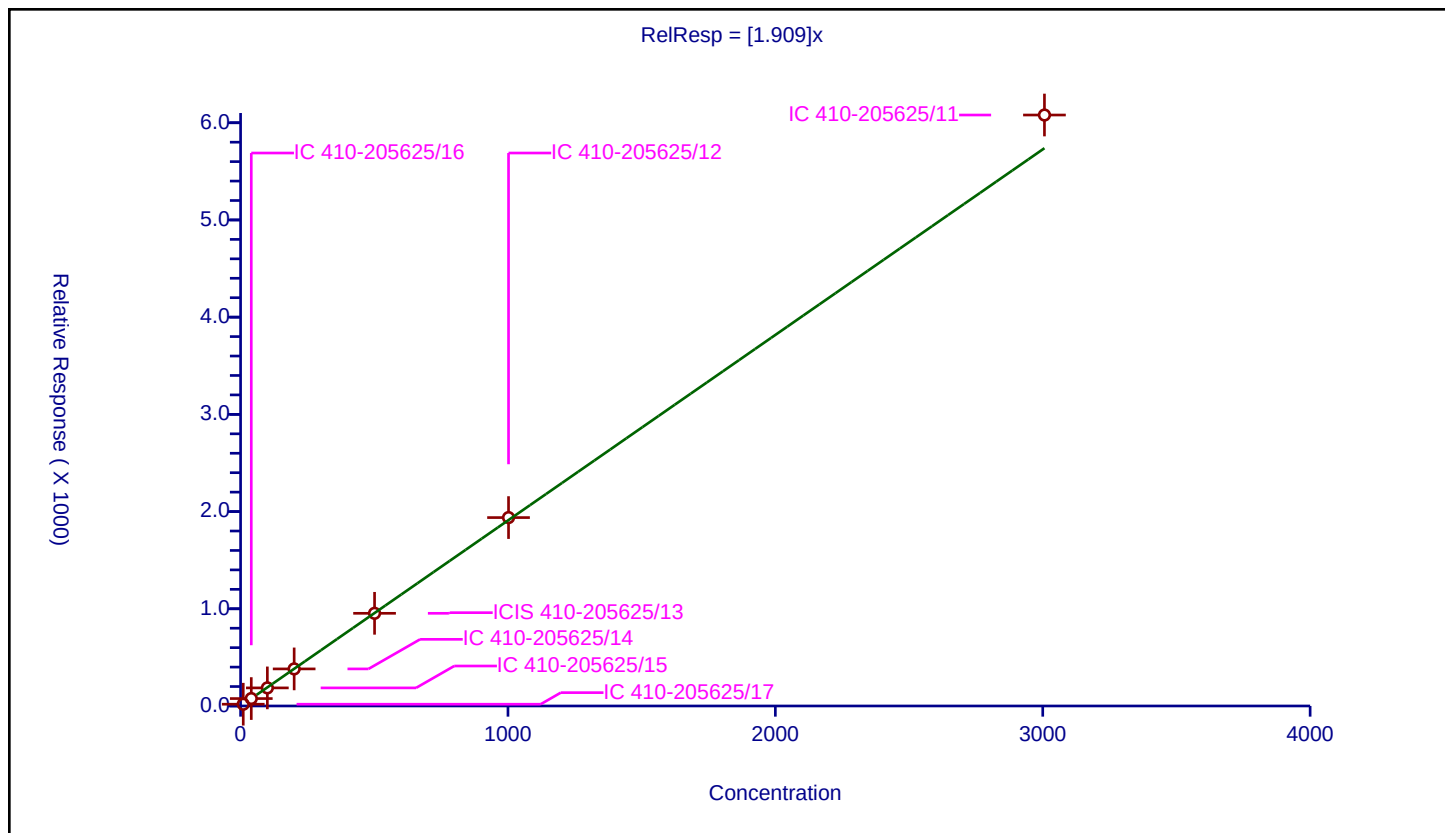
Curve Coefficients

Intercept: 0
Slope: 1.909

Error Coefficients

Standard Error: 3700000
Relative Standard Error: 3.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	10.021507	18.346341	250.0	389778.0	1.830697	Y
2	IC 410-205625/16	40.086029	76.521401	250.0	374967.0	1.908929	Y
3	IC 410-205625/15	100.215073	186.201009	250.0	391217.0	1.858014	Y
4	IC 410-205625/14	200.430147	381.527936	250.0	379944.0	1.903546	Y
5	ICIS 410-205625/13	501.075367	953.488513	250.0	372193.0	1.902884	Y
6	IC 410-205625/12	1002.150734	1938.134928	250.0	355552.0	1.933975	Y
7	IC 410-205625/11	3006.452203	6079.331622	250.0	349413.0	2.022095	Y



Calibration

/ 1,1-Dichloroethene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

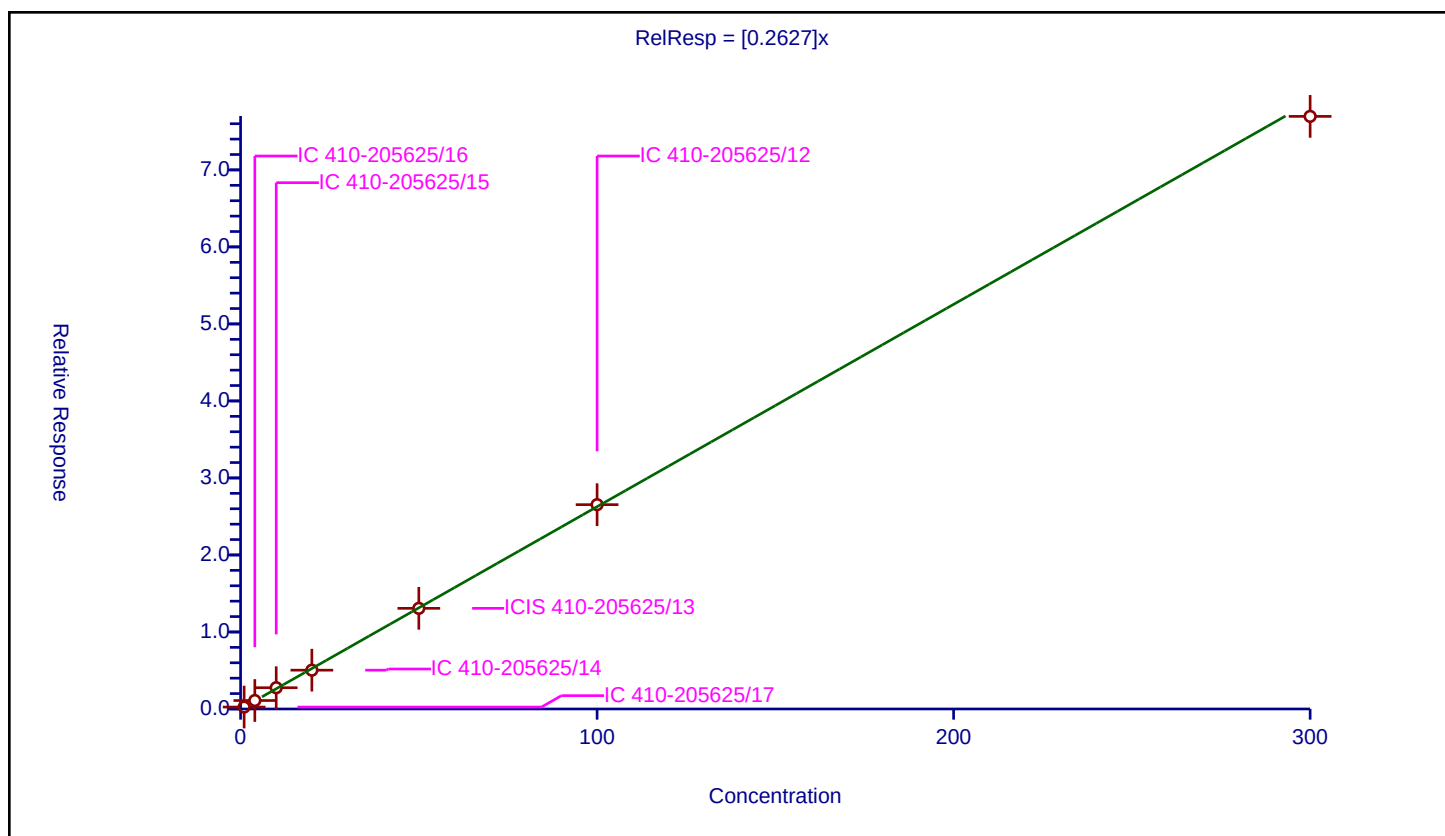
Curve Coefficients

Intercept: 0
 Slope: 0.2627

Error Coefficients

Standard Error: 816000
 Relative Standard Error: 3.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.252455	50.0	1168328.0	0.252455	Y
2	IC 410-205625/16	4.0	1.100722	50.0	1191264.0	0.27518	Y
3	IC 410-205625/15	10.0	2.761403	50.0	1184072.0	0.27614	Y
4	IC 410-205625/14	20.0	5.038423	50.0	1187842.0	0.251921	Y
5	ICIS 410-205625/13	50.0	13.07016	50.0	1182847.0	0.261403	Y
6	IC 410-205625/12	100.0	26.533049	50.0	1200810.0	0.26533	Y
7	IC 410-205625/11	300.0	76.953111	50.0	1211810.0	0.25651	Y



Calibration

/ 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

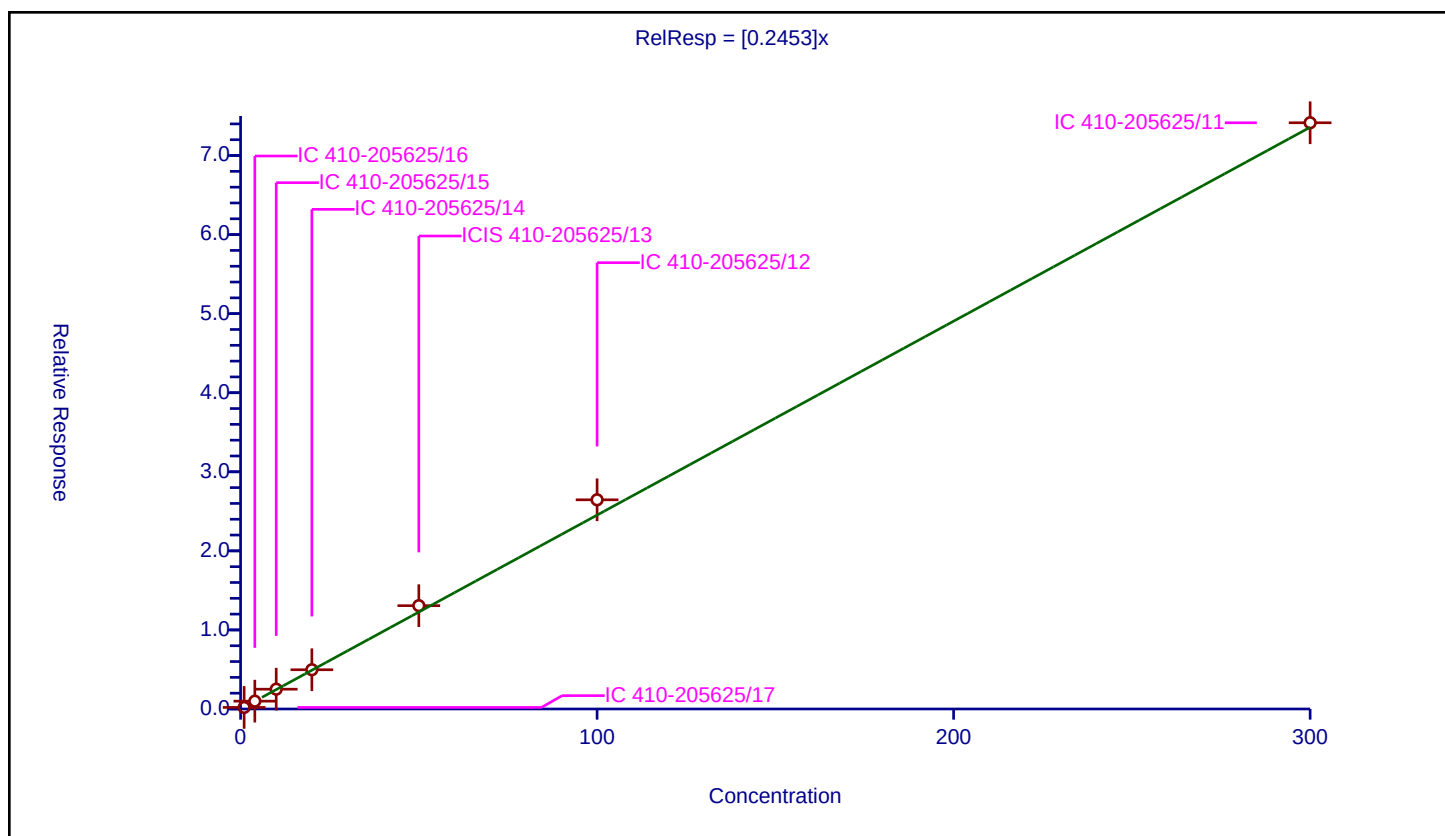
Curve Coefficients

Intercept: 0
 Slope: 0.2453

Error Coefficients

Standard Error: 790000
 Relative Standard Error: 9.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.198104	50.0	1168328.0	0.198104	Y
2	IC 410-205625/16	4.0	0.988278	50.0	1191264.0	0.247069	Y
3	IC 410-205625/15	10.0	2.504577	50.0	1184072.0	0.250458	Y
4	IC 410-205625/14	20.0	4.961771	50.0	1187842.0	0.248089	Y
5	ICIS 410-205625/13	50.0	13.066906	50.0	1182847.0	0.261338	Y
6	IC 410-205625/12	100.0	26.458016	50.0	1200810.0	0.26458	Y
7	IC 410-205625/11	300.0	74.146607	50.0	1211810.0	0.247155	Y



Calibration

/ Acetone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

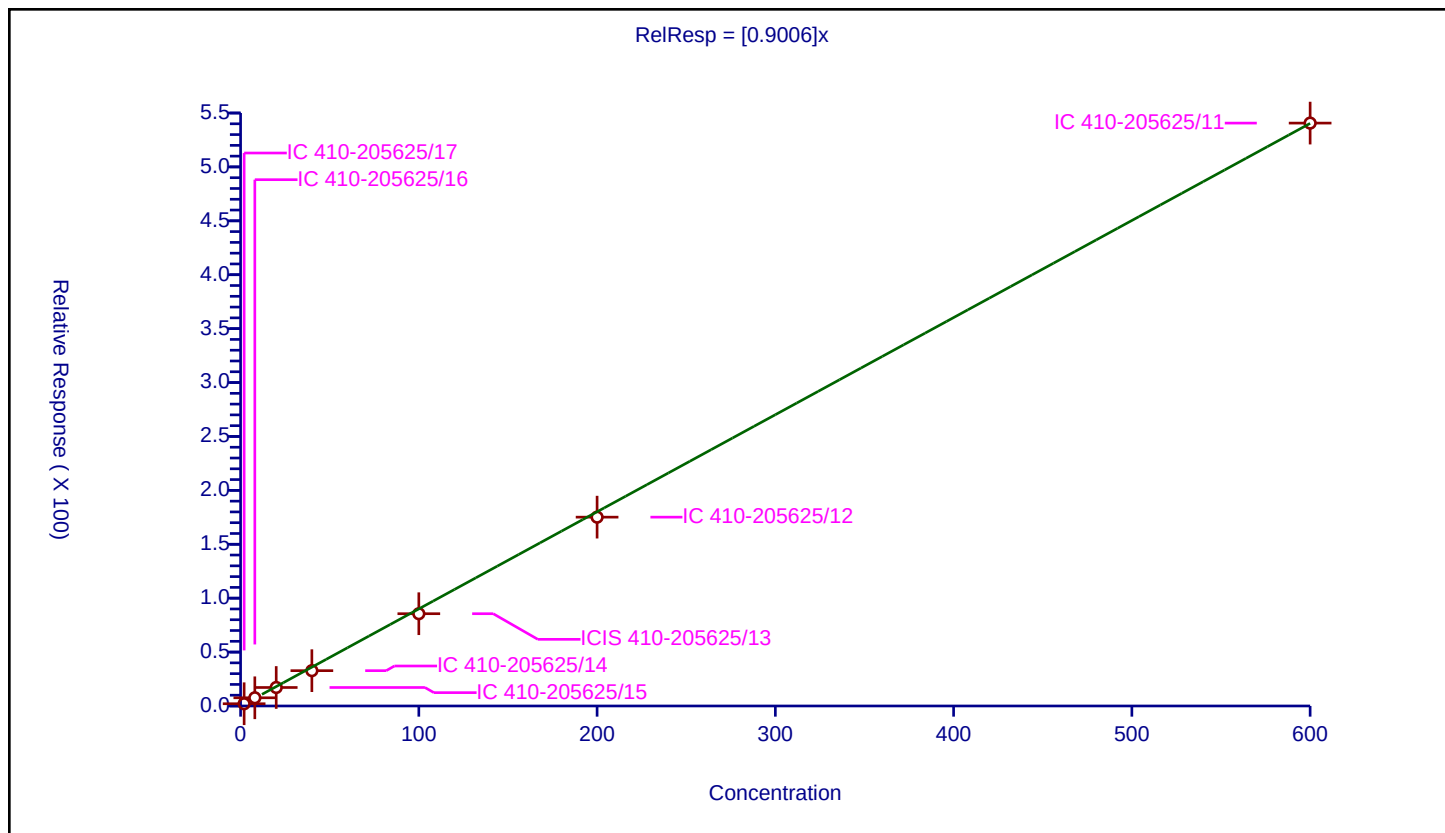
Curve Coefficients

Intercept: 0
 Slope: 0.9006

Error Coefficients

Standard Error: 330000
 Relative Standard Error: 8.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	2.0	2.091575	250.0	389778.0	1.045788	Y
2	IC 410-205625/16	8.0	7.599335	250.0	374967.0	0.949917	Y
3	IC 410-205625/15	20.0	17.140743	250.0	391217.0	0.857037	Y
4	IC 410-205625/14	40.0	32.749563	250.0	379944.0	0.818739	Y
5	ICIS 410-205625/13	100.0	85.597392	250.0	372193.0	0.855974	Y
6	IC 410-205625/12	200.0	175.155111	250.0	355552.0	0.875776	Y
7	IC 410-205625/11	600.0	540.646742	250.0	349413.0	0.901078	Y



Calibration

/ Isopropyl alcohol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

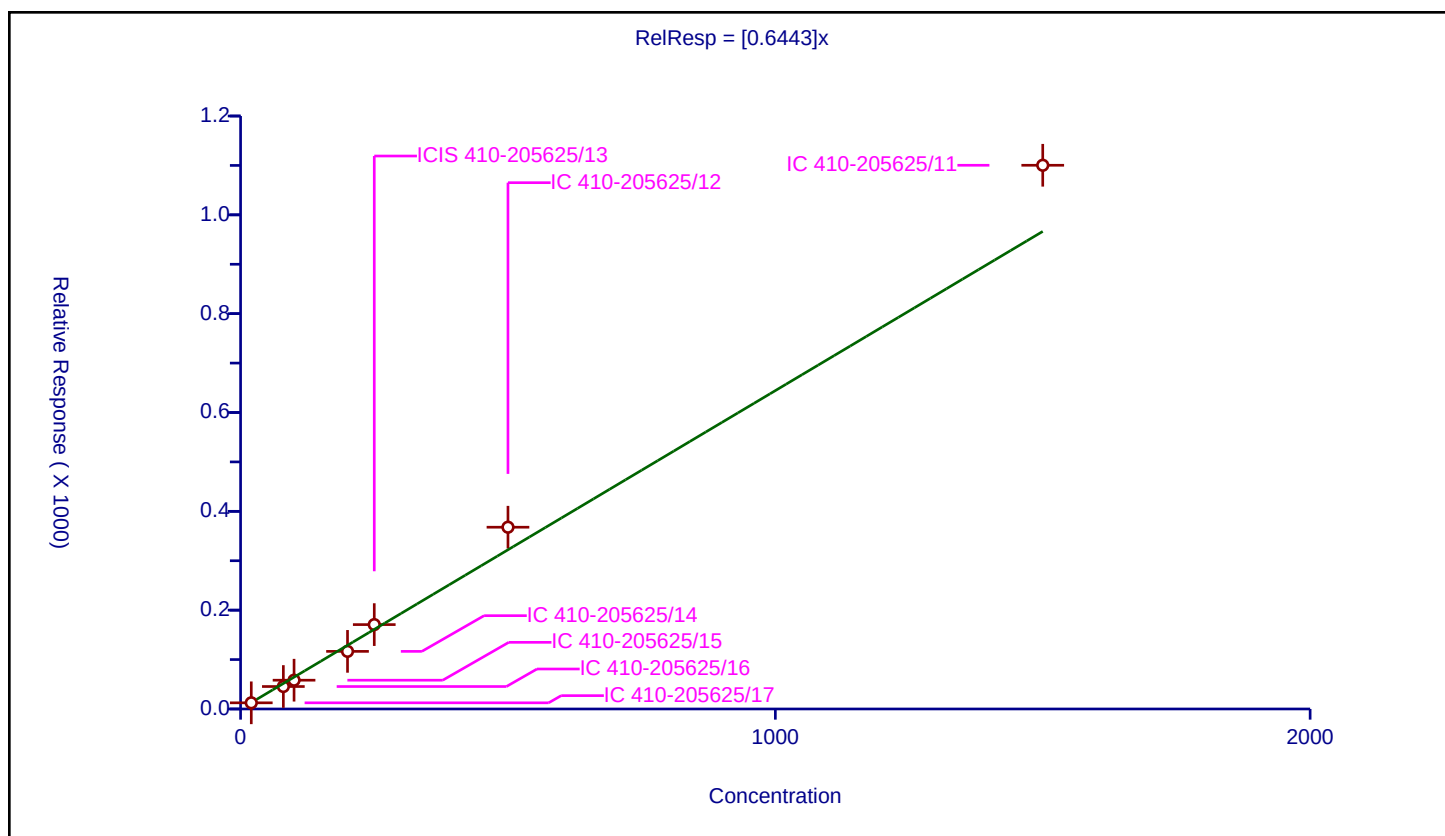
Curve Coefficients

Intercept: 0
Slope: 0.6443

Error Coefficients

Standard Error: 676000
Relative Standard Error: 11.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	20.0	12.480181	250.0	389778.0	0.624009	Y
2	IC 410-205625/16	80.0	45.445999	250.0	374967.0	0.568075	Y
3	IC 410-205625/15	100.0	58.254754	250.0	391217.0	0.582548	Y
4	IC 410-205625/14	200.0	116.61258	250.0	379944.0	0.583063	Y
5	ICIS 410-205625/13	250.0	170.794453	250.0	372193.0	0.683178	Y
6	IC 410-205625/12	500.0	367.865319	250.0	355552.0	0.735731	Y
7	IC 410-205625/11	1500.0	1100.341859	250.0	349413.0	0.733561	Y



Calibration

/ Iodomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

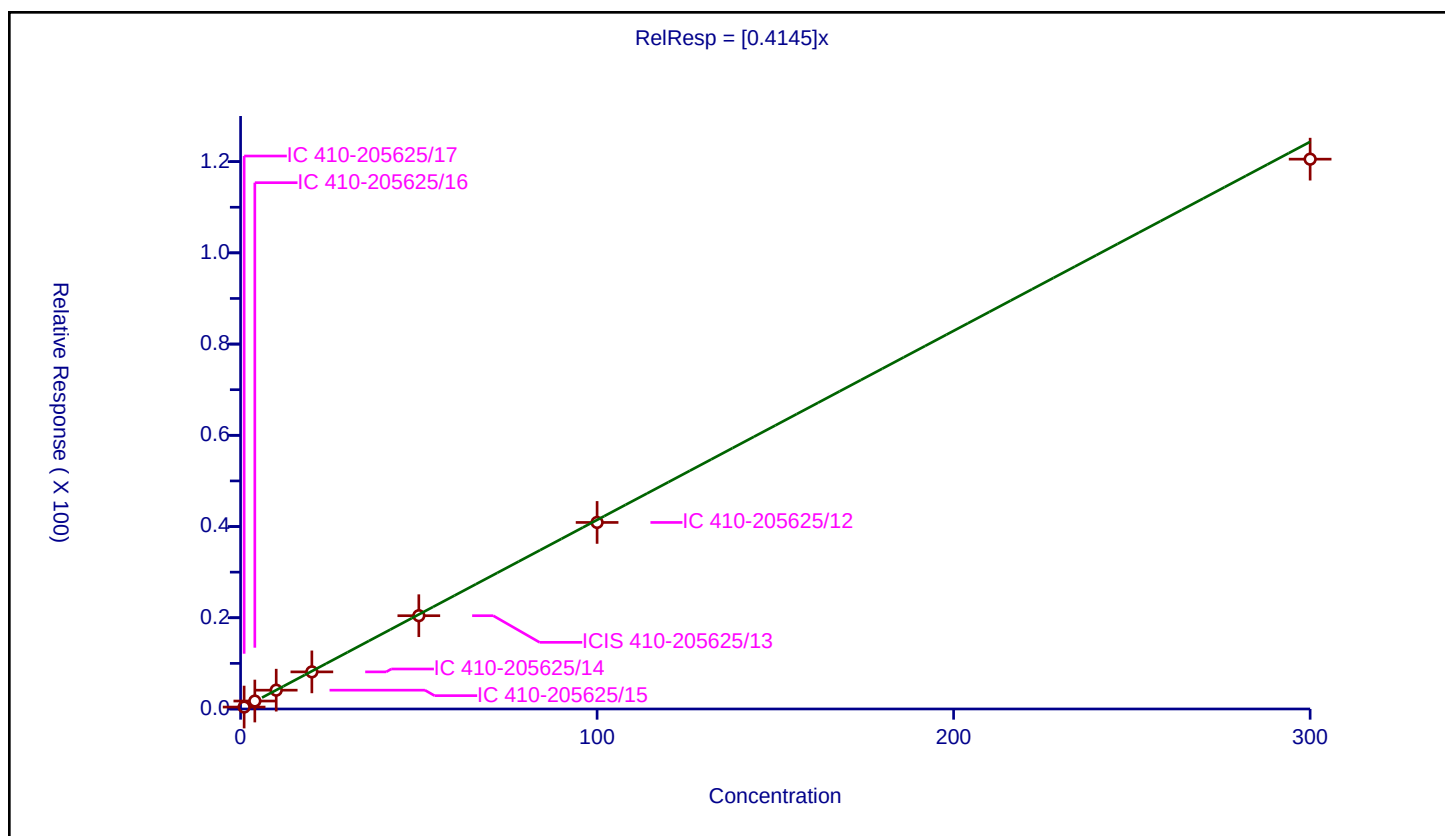
Curve Coefficients

Intercept: 0
Slope: 0.4145

Error Coefficients

Standard Error: 1280000
Relative Standard Error: 2.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.426122	50.0	1168328.0	0.426122	Y
2	IC 410-205625/16	4.0	1.744869	50.0	1191264.0	0.436217	Y
3	IC 410-205625/15	10.0	4.125045	50.0	1184072.0	0.412504	Y
4	IC 410-205625/14	20.0	8.136646	50.0	1187842.0	0.406832	Y
5	ICIS 410-205625/13	50.0	20.451419	50.0	1182847.0	0.409028	Y
6	IC 410-205625/12	100.0	40.895729	50.0	1200810.0	0.408957	Y
7	IC 410-205625/11	300.0	120.538327	50.0	1211810.0	0.401794	Y



Calibration

/ Carbon disulfide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

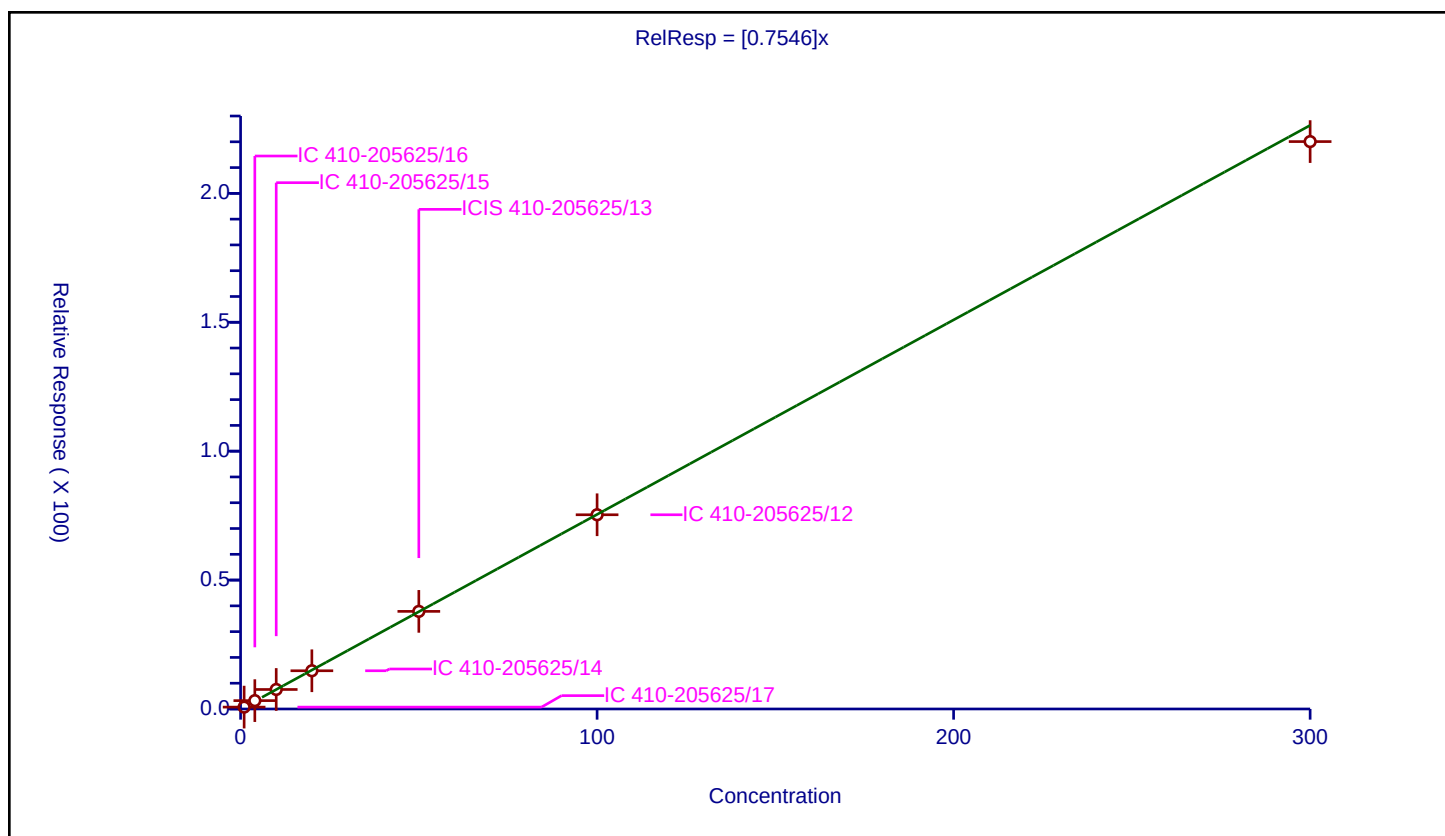
Curve Coefficients

Intercept: 0
Slope: 0.7546

Error Coefficients

Standard Error: 2330000
Relative Standard Error: 3.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.730189	50.0	1168328.0	0.730189	Y
2	IC 410-205625/16	4.0	3.241809	50.0	1191264.0	0.810452	Y
3	IC 410-205625/15	10.0	7.561787	50.0	1184072.0	0.756179	Y
4	IC 410-205625/14	20.0	14.823899	50.0	1187842.0	0.741195	Y
5	ICIS 410-205625/13	50.0	37.86373	50.0	1182847.0	0.757275	Y
6	IC 410-205625/12	100.0	75.335107	50.0	1200810.0	0.753351	Y
7	IC 410-205625/11	300.0	220.078271	50.0	1211810.0	0.733594	Y



Calibration

/ 3-Chloro-1-propene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

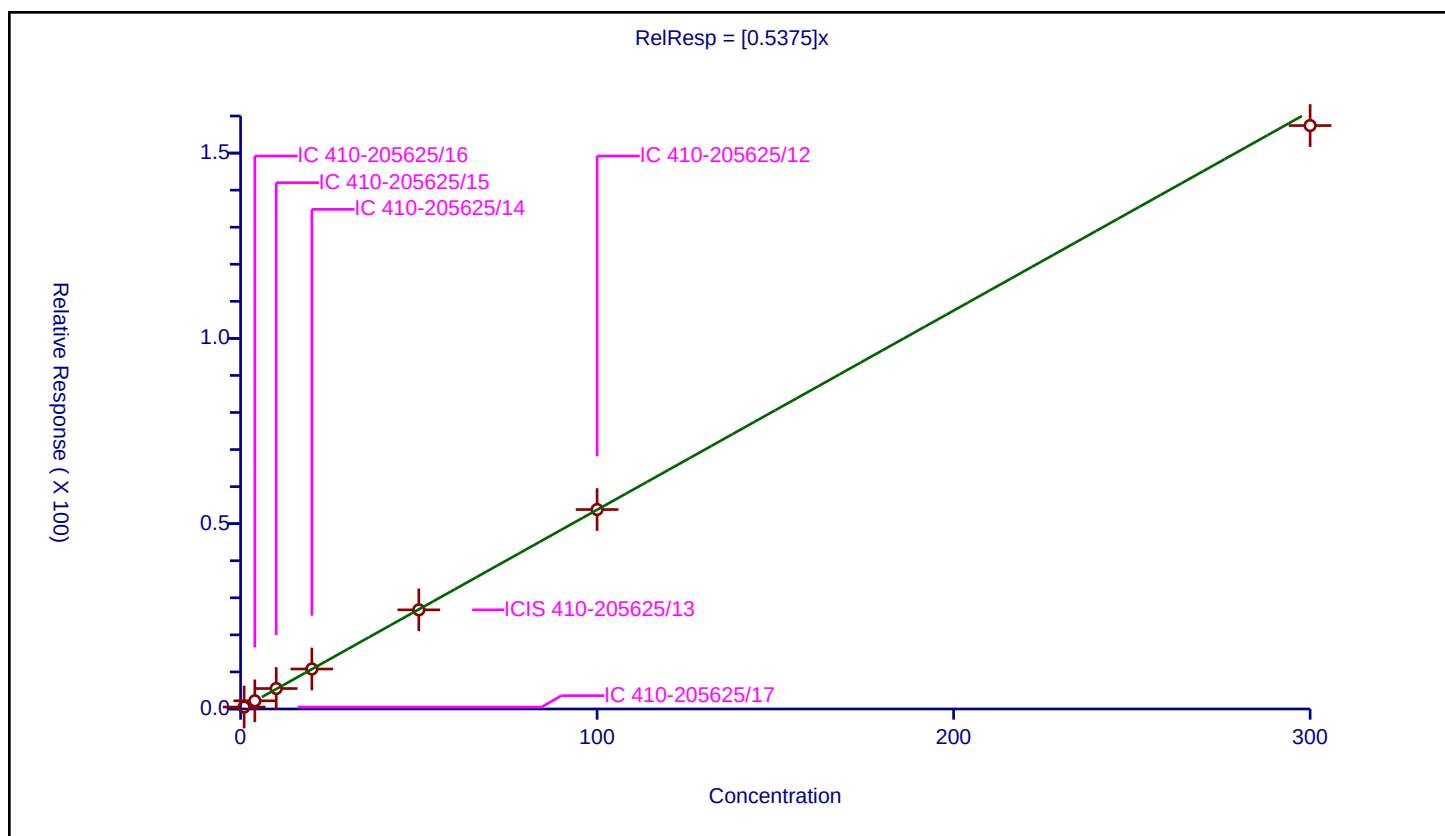
Curve Coefficients

Intercept: 0
Slope: 0.5375

Error Coefficients

Standard Error: 1670000
Relative Standard Error: 2.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.521258	50.0	1168328.0	0.521258	Y
2	IC 410-205625/16	4.0	2.204297	50.0	1191264.0	0.551074	Y
3	IC 410-205625/15	10.0	5.525213	50.0	1184072.0	0.552521	Y
4	IC 410-205625/14	20.0	10.790703	50.0	1187842.0	0.539535	Y
5	ICIS 410-205625/13	50.0	26.747077	50.0	1182847.0	0.534942	Y
6	IC 410-205625/12	100.0	53.819464	50.0	1200810.0	0.538195	Y
7	IC 410-205625/11	300.0	157.425793	50.0	1211810.0	0.524753	Y



Calibration

/ Methyl acetate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

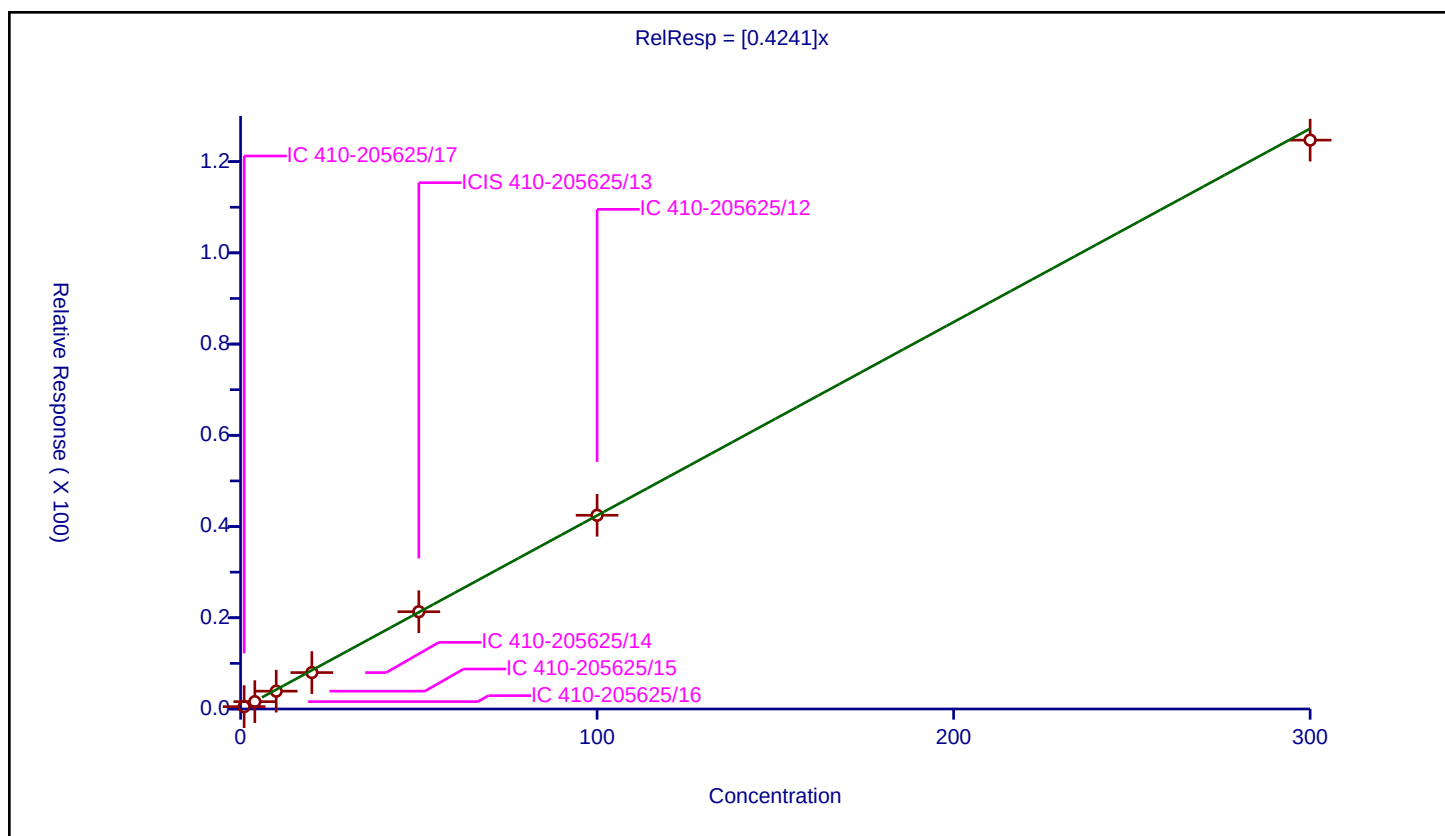
Curve Coefficients

Intercept: 0
Slope: 0.4241

Error Coefficients

Standard Error: 1320000
Relative Standard Error: 9.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.509917	50.0	1168328.0	0.509917	Y
2	IC 410-205625/16	4.0	1.608208	50.0	1191264.0	0.402052	Y
3	IC 410-205625/15	10.0	3.906181	50.0	1184072.0	0.390618	Y
4	IC 410-205625/14	20.0	7.984606	50.0	1187842.0	0.39923	Y
5	ICIS 410-205625/13	50.0	21.325032	50.0	1182847.0	0.426501	Y
6	IC 410-205625/12	100.0	42.470499	50.0	1200810.0	0.424705	Y
7	IC 410-205625/11	300.0	124.712991	50.0	1211810.0	0.41571	Y



Calibration

/ Methylene Chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

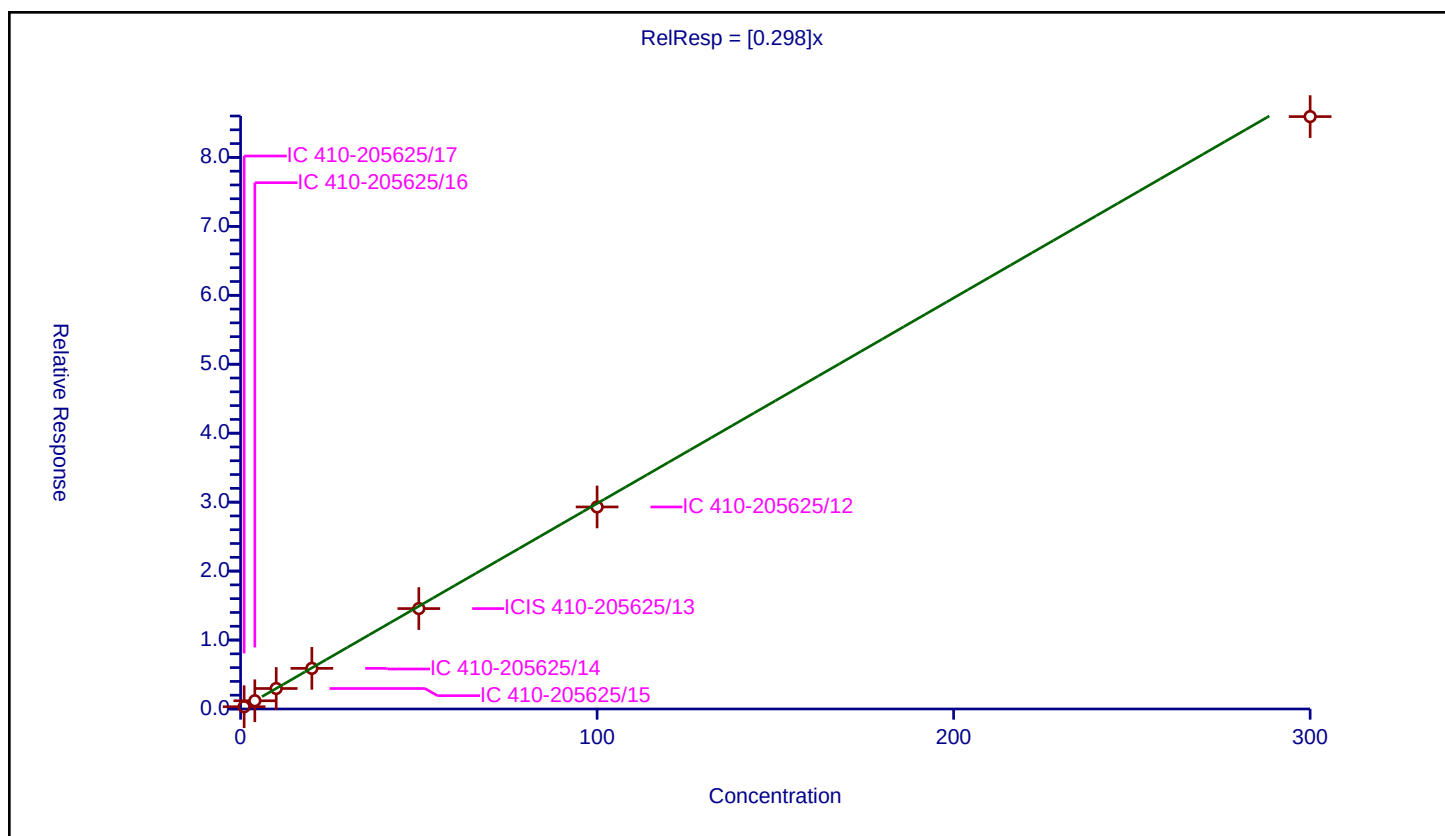
Curve Coefficients

Intercept: 0
Slope: 0.298

Error Coefficients

Standard Error: 911000
Relative Standard Error: 4.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.325551	50.0	1168328.0	0.325551	Y
2	IC 410-205625/16	4.0	1.192305	50.0	1191264.0	0.298076	Y
3	IC 410-205625/15	10.0	2.972201	50.0	1184072.0	0.29722	Y
4	IC 410-205625/14	20.0	5.893924	50.0	1187842.0	0.294696	Y
5	ICIS 410-205625/13	50.0	14.5619	50.0	1182847.0	0.291238	Y
6	IC 410-205625/12	100.0	29.303054	50.0	1200810.0	0.293031	Y
7	IC 410-205625/11	300.0	85.916068	50.0	1211810.0	0.286387	Y



Calibration

/ 2-Methyl-2-propanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

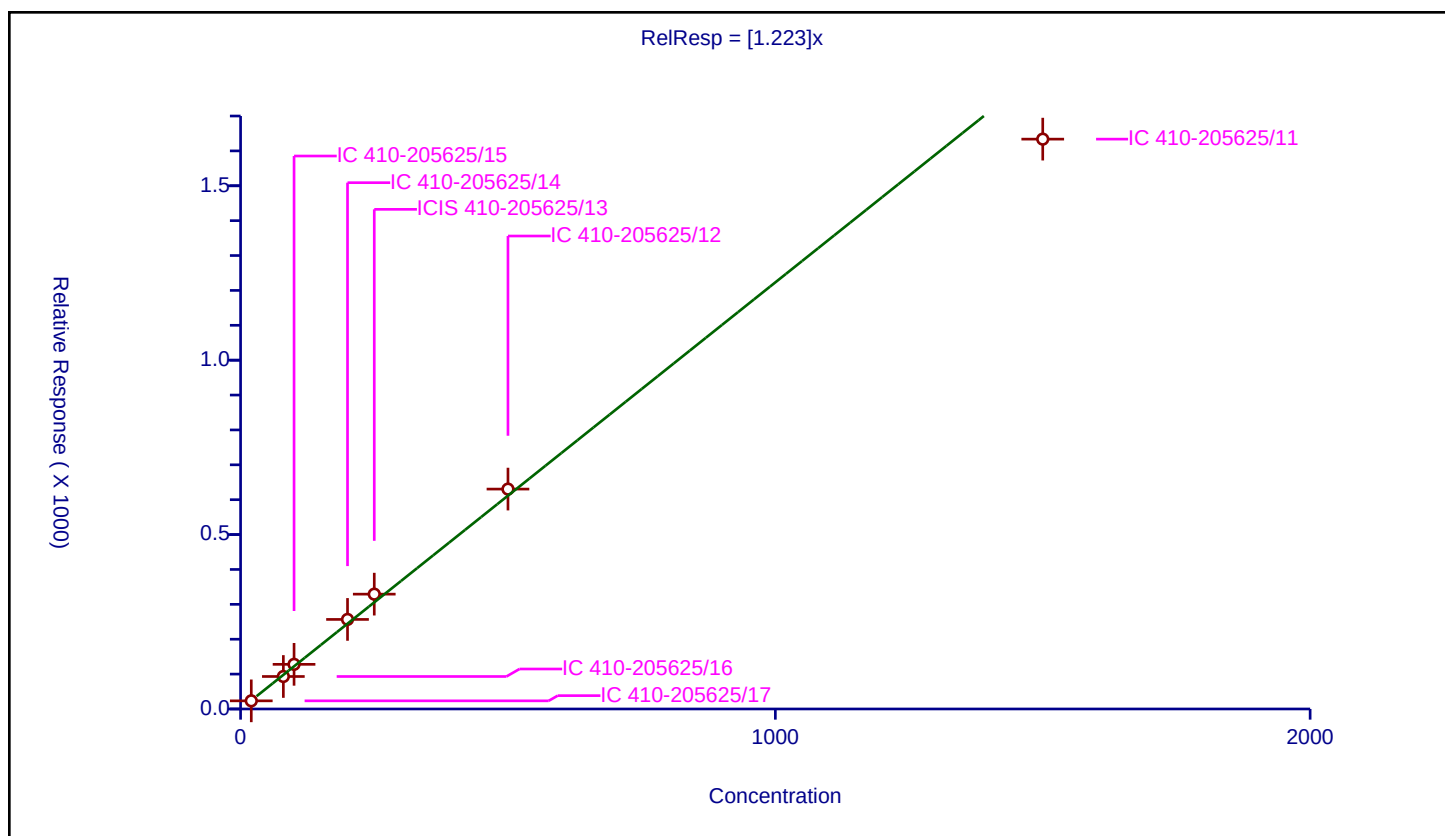
Curve Coefficients

Intercept: 0
Slope: 1.223

Error Coefficients

Standard Error: 1040000
Relative Standard Error: 6.8
Correlation Coefficient: 0.995
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	20.0	23.31776	250.0	389778.0	1.165888	Y
2	IC 410-205625/16	80.0	93.172199	250.0	374967.0	1.164652	Y
3	IC 410-205625/15	100.0	128.024217	250.0	391217.0	1.280242	Y
4	IC 410-205625/14	200.0	256.793764	250.0	379944.0	1.283969	Y
5	ICIS 410-205625/13	250.0	329.248535	250.0	372193.0	1.316994	Y
6	IC 410-205625/12	500.0	630.413414	250.0	355552.0	1.260827	Y
7	IC 410-205625/11	1500.0	1633.713542	250.0	349413.0	1.089142	Y



Calibration

/ Acrylonitrile

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

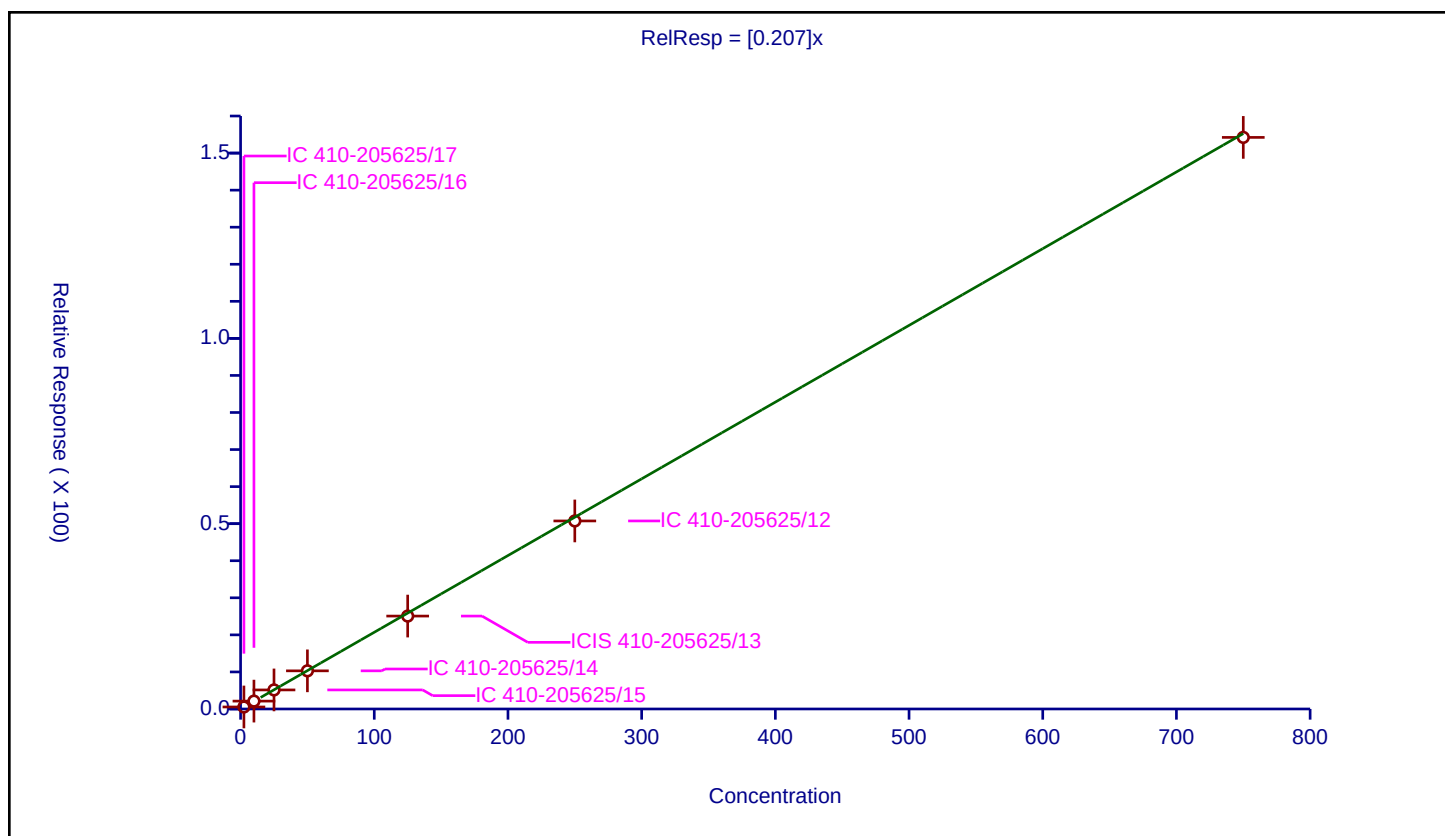
Curve Coefficients

Intercept: 0
 Slope: 0.207

Error Coefficients

Standard Error: 1630000
 Relative Standard Error: 2.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	2.5	0.539831	50.0	1168328.0	0.215933	Y
2	IC 410-205625/16	10.0	2.125599	50.0	1191264.0	0.21256	Y
3	IC 410-205625/15	25.0	5.140144	50.0	1184072.0	0.205606	Y
4	IC 410-205625/14	50.0	10.290805	50.0	1187842.0	0.205816	Y
5	ICIS 410-205625/13	125.0	25.069599	50.0	1182847.0	0.200557	Y
6	IC 410-205625/12	250.0	50.737044	50.0	1200810.0	0.202948	Y
7	IC 410-205625/11	750.0	154.22756	50.0	1211810.0	0.205637	Y



Calibration

/ Methyl tert-butyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

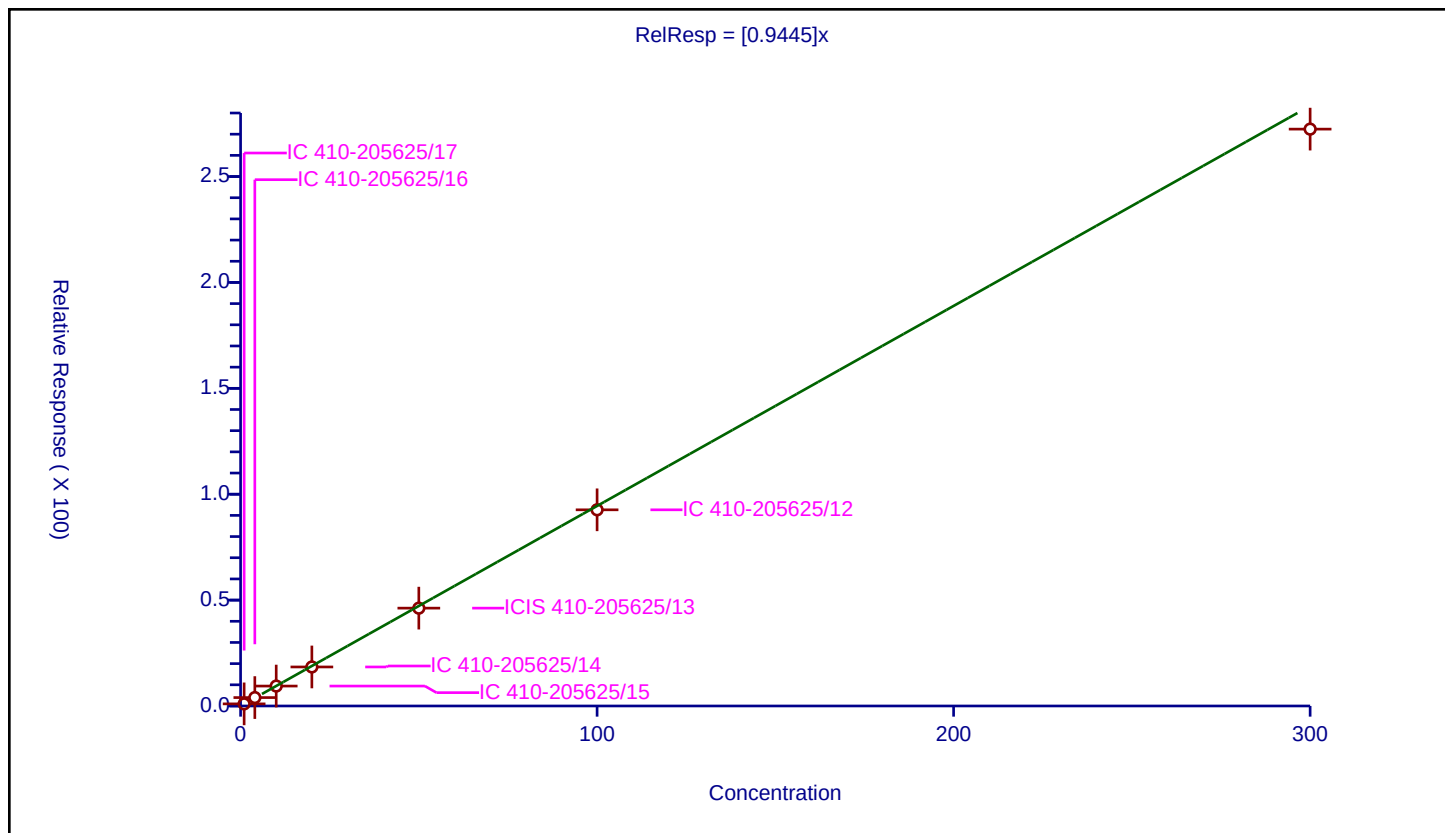
Curve Coefficients

Intercept: 0
 Slope: 0.9445

Error Coefficients

Standard Error: 2890000
 Relative Standard Error: 3.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.998735	50.0	1168328.0	0.998735	Y
2	IC 410-205625/16	4.0	3.970447	50.0	1191264.0	0.992612	Y
3	IC 410-205625/15	10.0	9.409394	50.0	1184072.0	0.940939	Y
4	IC 410-205625/14	20.0	18.424378	50.0	1187842.0	0.921219	Y
5	ICIS 410-205625/13	50.0	46.199678	50.0	1182847.0	0.923994	Y
6	IC 410-205625/12	100.0	92.635346	50.0	1200810.0	0.926353	Y
7	IC 410-205625/11	300.0	272.388328	50.0	1211810.0	0.907961	Y



Calibration

/ trans-1,2-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

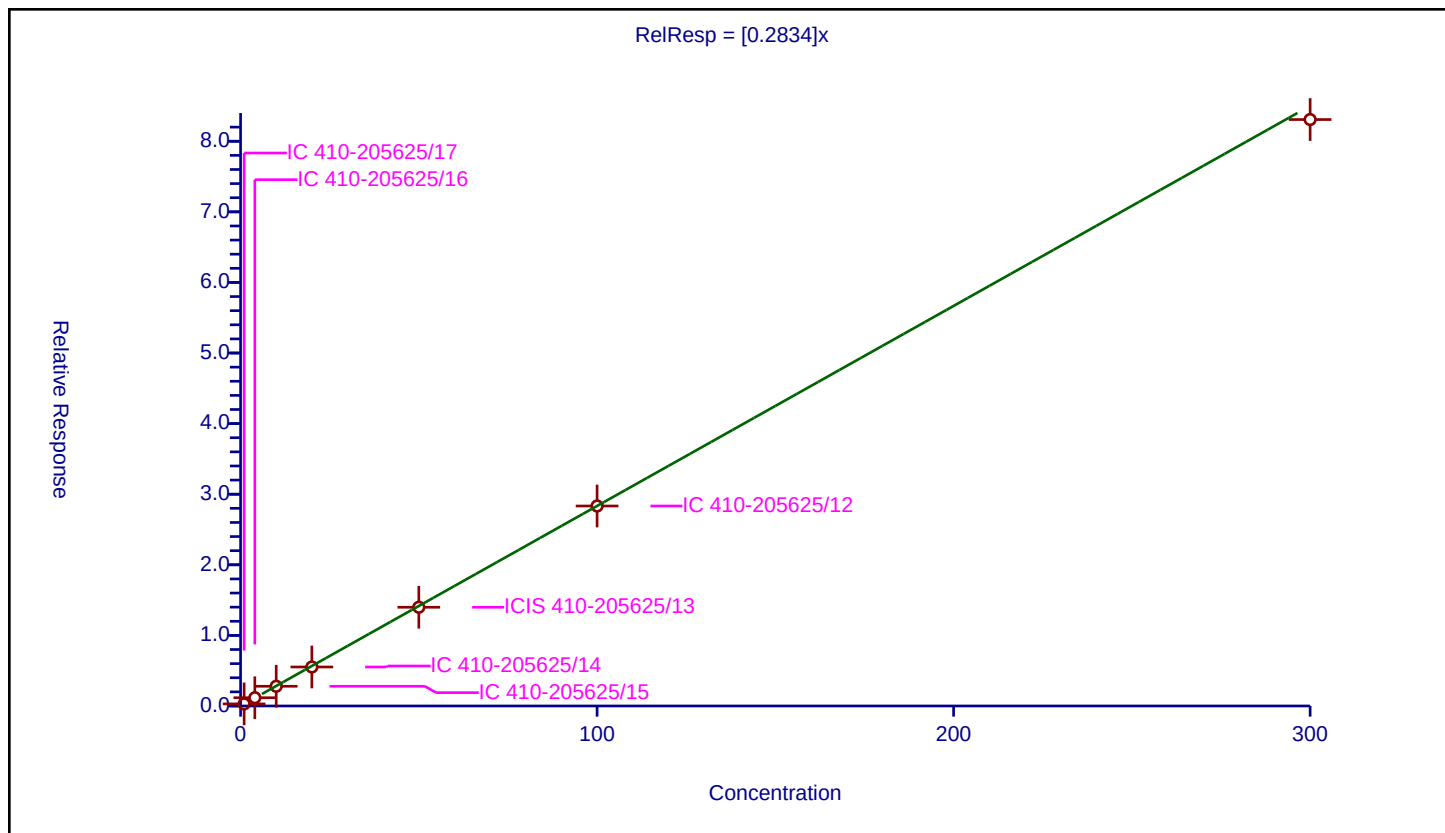
Curve Coefficients

Intercept: 0
Slope: 0.2834

Error Coefficients

Standard Error: 880000
Relative Standard Error: 2.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.295807	50.0	1168328.0	0.295807	Y
2	IC 410-205625/16	4.0	1.168381	50.0	1191264.0	0.292095	Y
3	IC 410-205625/15	10.0	2.794171	50.0	1184072.0	0.279417	Y
4	IC 410-205625/14	20.0	5.525777	50.0	1187842.0	0.276289	Y
5	ICIS 410-205625/13	50.0	13.985917	50.0	1182847.0	0.279718	Y
6	IC 410-205625/12	100.0	28.329711	50.0	1200810.0	0.283297	Y
7	IC 410-205625/11	300.0	83.075235	50.0	1211810.0	0.276917	Y



Calibration

/ Hexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

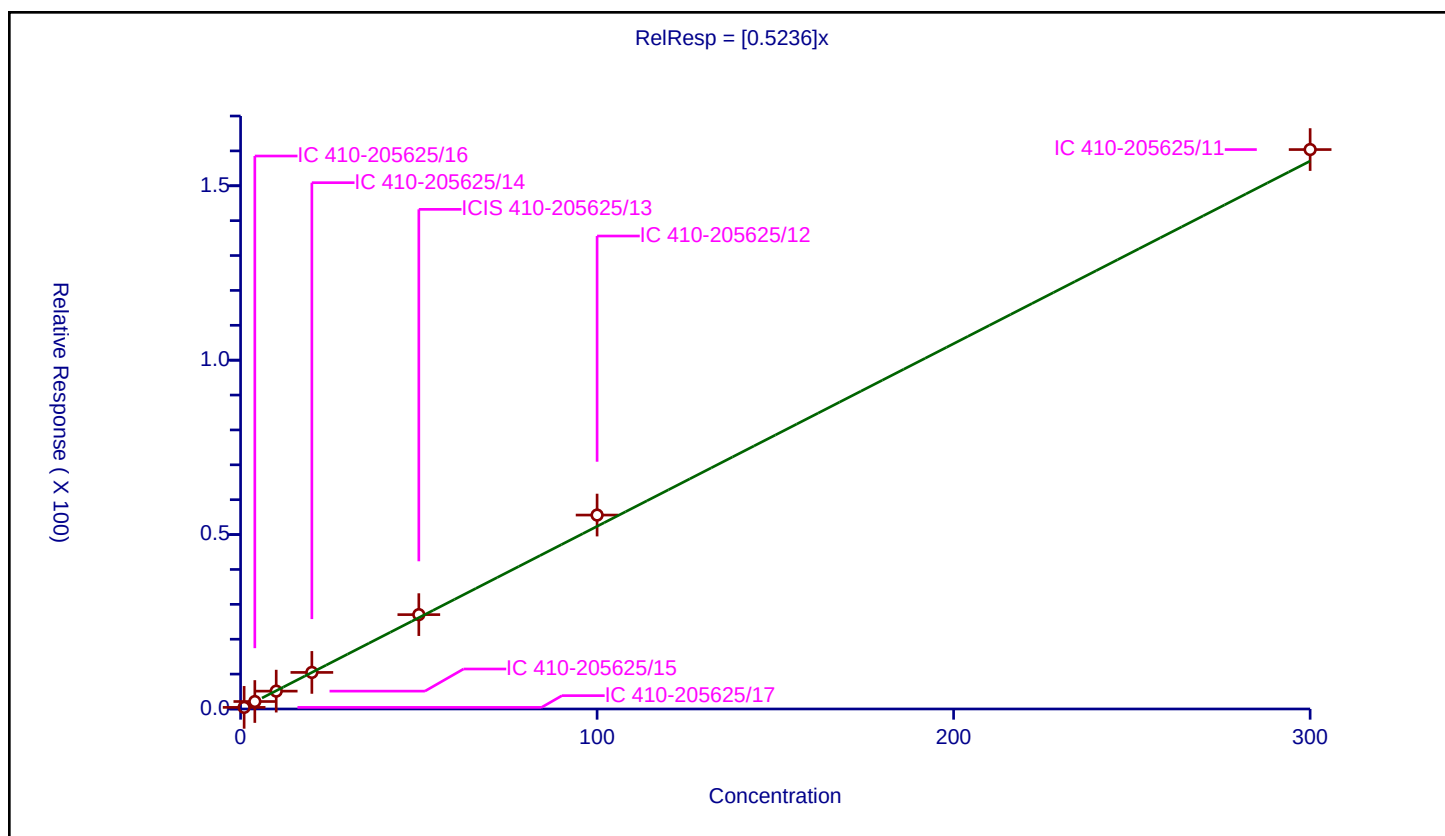
Curve Coefficients

Intercept: 0
Slope: 0.5236

Error Coefficients

Standard Error: 1700000
Relative Standard Error: 5.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.461985	50.0	1168328.0	0.461985	Y
2	IC 410-205625/16	4.0	2.143228	50.0	1191264.0	0.535807	Y
3	IC 410-205625/15	10.0	5.116032	50.0	1184072.0	0.511603	Y
4	IC 410-205625/14	20.0	10.487253	50.0	1187842.0	0.524363	Y
5	ICIS 410-205625/13	50.0	27.052104	50.0	1182847.0	0.541042	Y
6	IC 410-205625/12	100.0	55.595765	50.0	1200810.0	0.555958	Y
7	IC 410-205625/11	300.0	160.382403	50.0	1211810.0	0.534608	Y



Calibration

/ 1,1-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

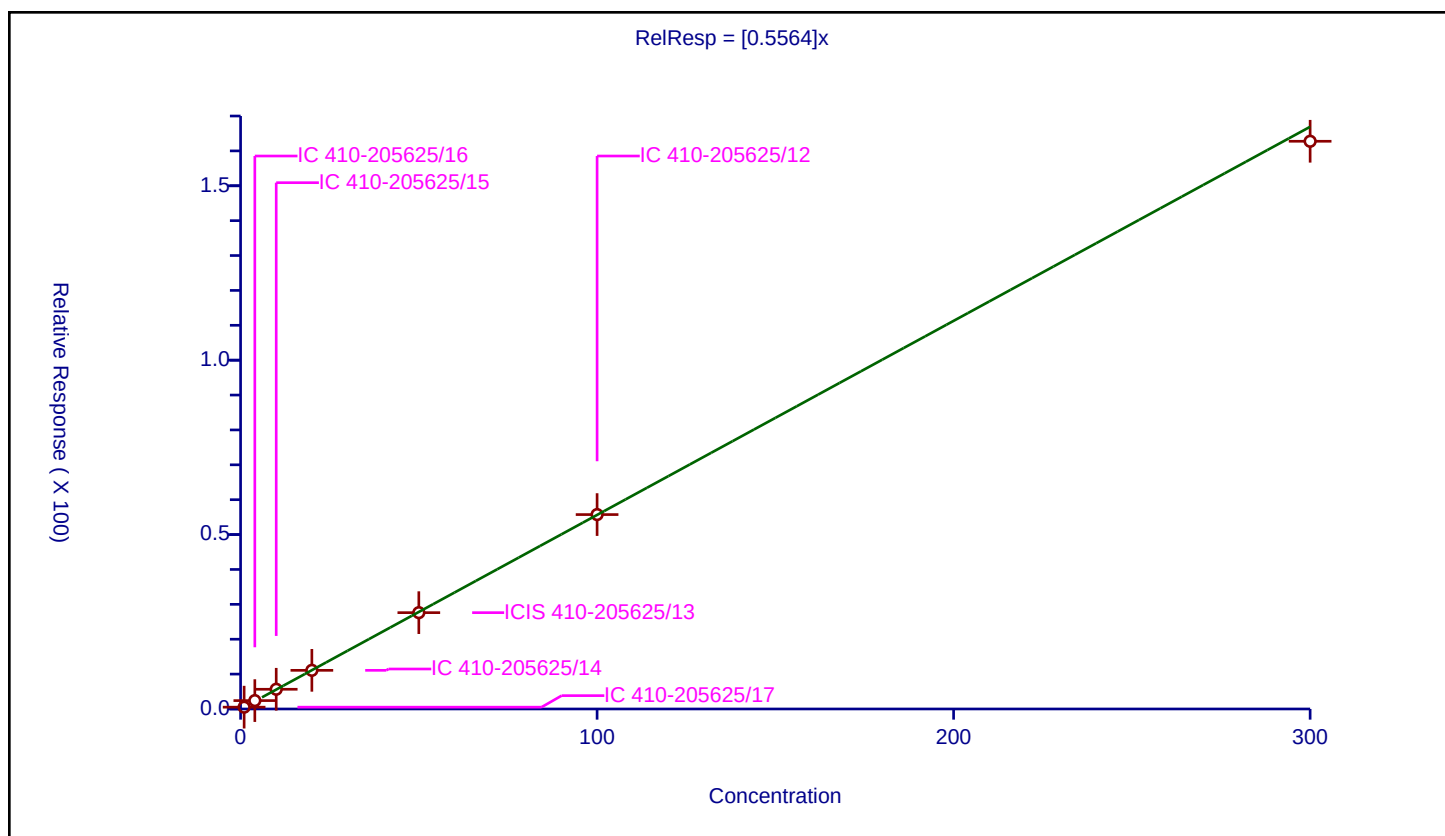
Curve Coefficients

Intercept: 0
Slope: 0.5564

Error Coefficients

Standard Error: 1730000
Relative Standard Error: 4.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.520958	50.0	1168328.0	0.520958	Y
2	IC 410-205625/16	4.0	2.40631	50.0	1191264.0	0.601577	Y
3	IC 410-205625/15	10.0	5.655948	50.0	1184072.0	0.565595	Y
4	IC 410-205625/14	20.0	11.082029	50.0	1187842.0	0.554101	Y
5	ICIS 410-205625/13	50.0	27.621535	50.0	1182847.0	0.552431	Y
6	IC 410-205625/12	100.0	55.737502	50.0	1200810.0	0.557375	Y
7	IC 410-205625/11	300.0	162.757652	50.0	1211810.0	0.542526	Y



Calibration

/ Isopropyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

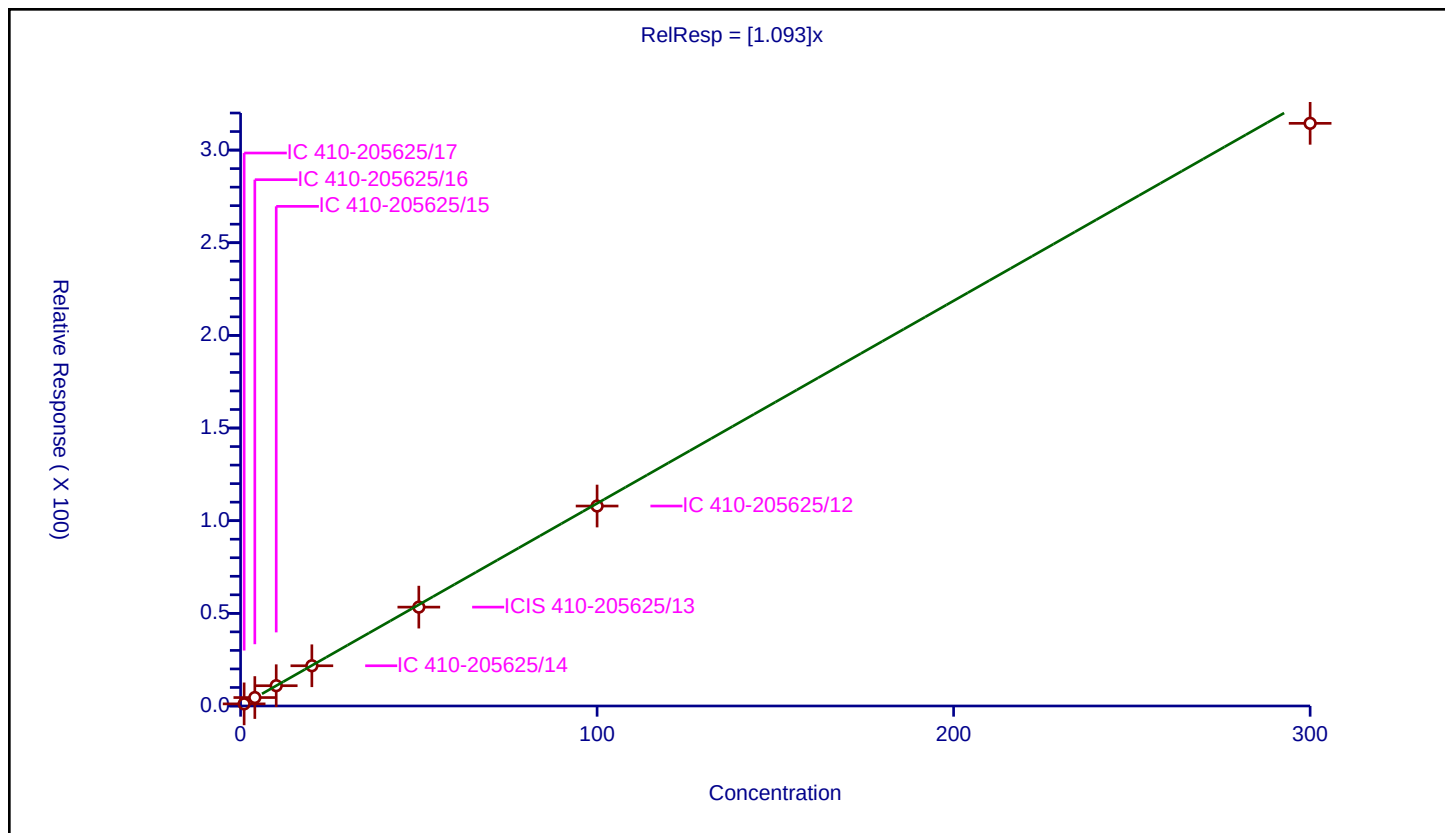
Curve Coefficients

Intercept: 0
 Slope: 1.093

Error Coefficients

Standard Error: 3330000
 Relative Standard Error: 3.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.140176	50.0	1168328.0	1.140176	Y
2	IC 410-205625/16	4.0	4.552727	50.0	1191264.0	1.138182	Y
3	IC 410-205625/15	10.0	10.948067	50.0	1184072.0	1.094807	Y
4	IC 410-205625/14	20.0	21.706085	50.0	1187842.0	1.085304	Y
5	ICIS 410-205625/13	50.0	53.34925	50.0	1182847.0	1.066985	Y
6	IC 410-205625/12	100.0	107.904206	50.0	1200810.0	1.079042	Y
7	IC 410-205625/11	300.0	314.432378	50.0	1211810.0	1.048108	Y



Calibration

/ 2-Chloro-1,3-butadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

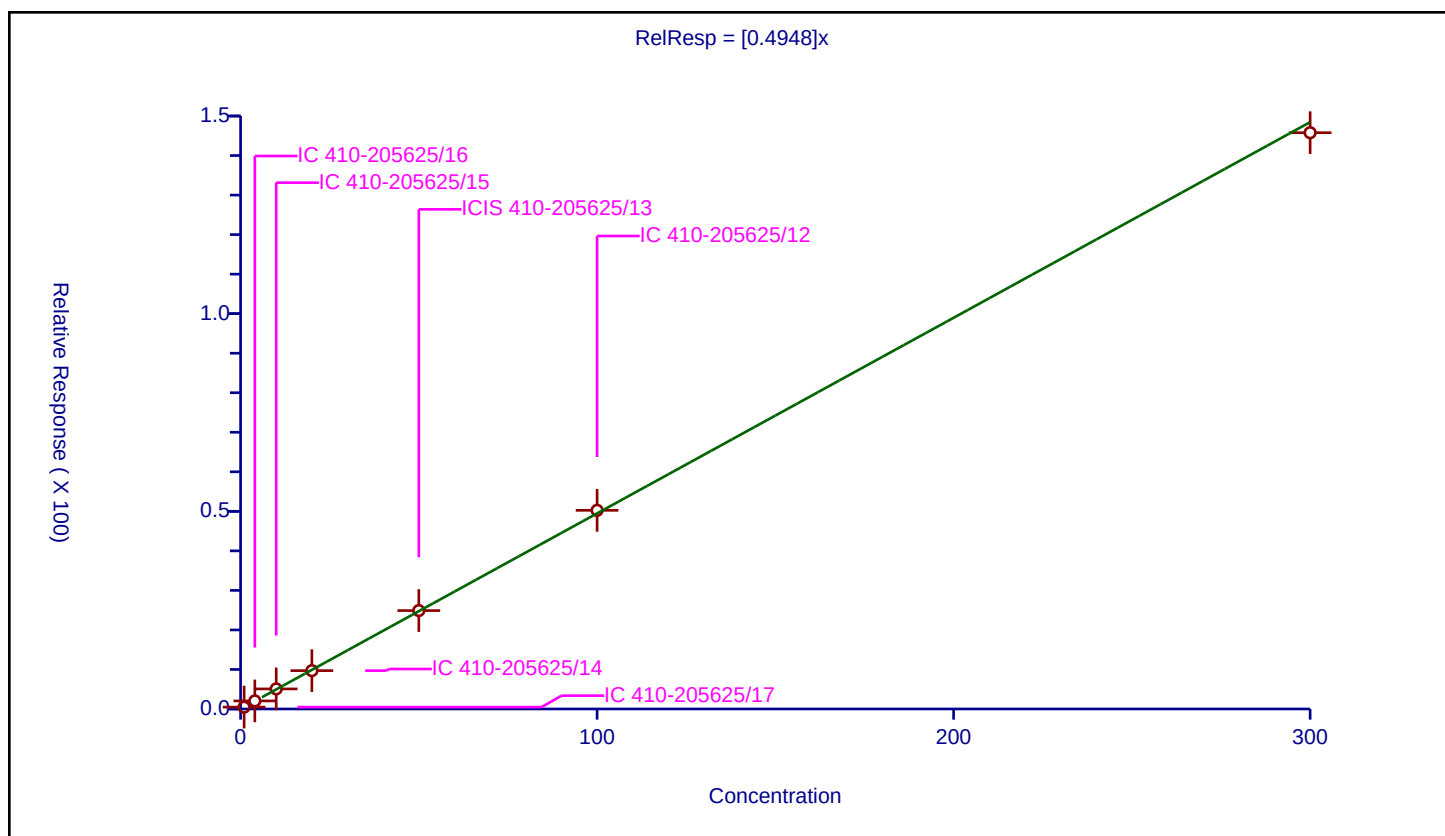
Curve Coefficients

Intercept: 0
Slope: 0.4948

Error Coefficients

Standard Error: 1550000
Relative Standard Error: 2.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.474439	50.0	1168328.0	0.474439	Y
2	IC 410-205625/16	4.0	2.043166	50.0	1191264.0	0.510791	Y
3	IC 410-205625/15	10.0	5.073171	50.0	1184072.0	0.507317	Y
4	IC 410-205625/14	20.0	9.695018	50.0	1187842.0	0.484751	Y
5	ICIS 410-205625/13	50.0	24.895908	50.0	1182847.0	0.497918	Y
6	IC 410-205625/12	100.0	50.252121	50.0	1200810.0	0.502521	Y
7	IC 410-205625/11	300.0	145.780403	50.0	1211810.0	0.485935	Y



Calibration

/ Tert-butyl ethyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

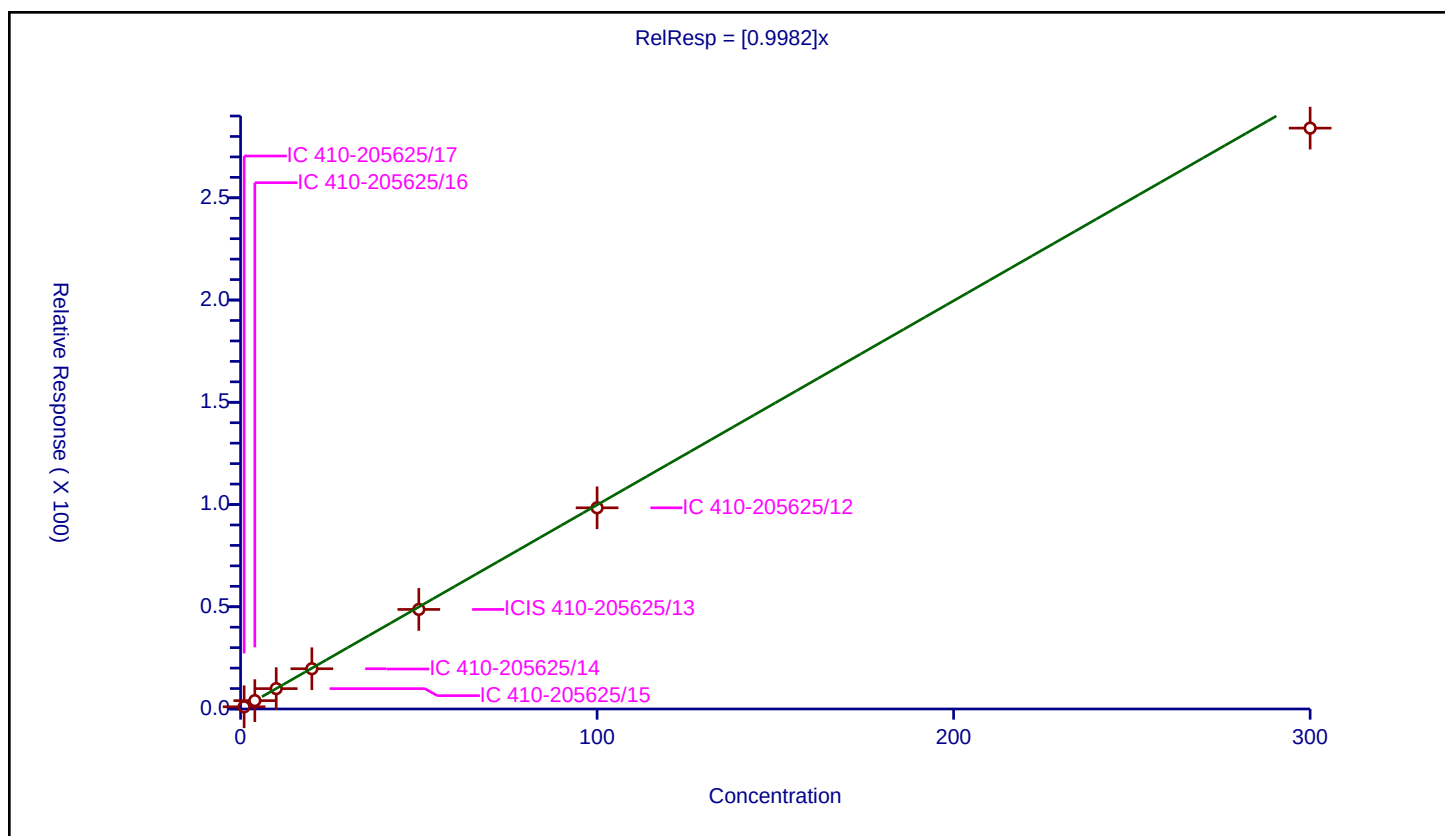
Curve Coefficients

Intercept: 0
 Slope: 0.9982

Error Coefficients

Standard Error: 3020000
 Relative Standard Error: 4.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.07855	50.0	1168328.0	1.07855	Y
2	IC 410-205625/16	4.0	4.094097	50.0	1191264.0	1.023524	Y
3	IC 410-205625/15	10.0	9.963288	50.0	1184072.0	0.996329	Y
4	IC 410-205625/14	20.0	19.684015	50.0	1187842.0	0.984201	Y
5	ICIS 410-205625/13	50.0	48.684488	50.0	1182847.0	0.97369	Y
6	IC 410-205625/12	100.0	98.393709	50.0	1200810.0	0.983937	Y
7	IC 410-205625/11	300.0	284.082529	50.0	1211810.0	0.946942	Y



Calibration

/ 2-Butanone (MEK)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

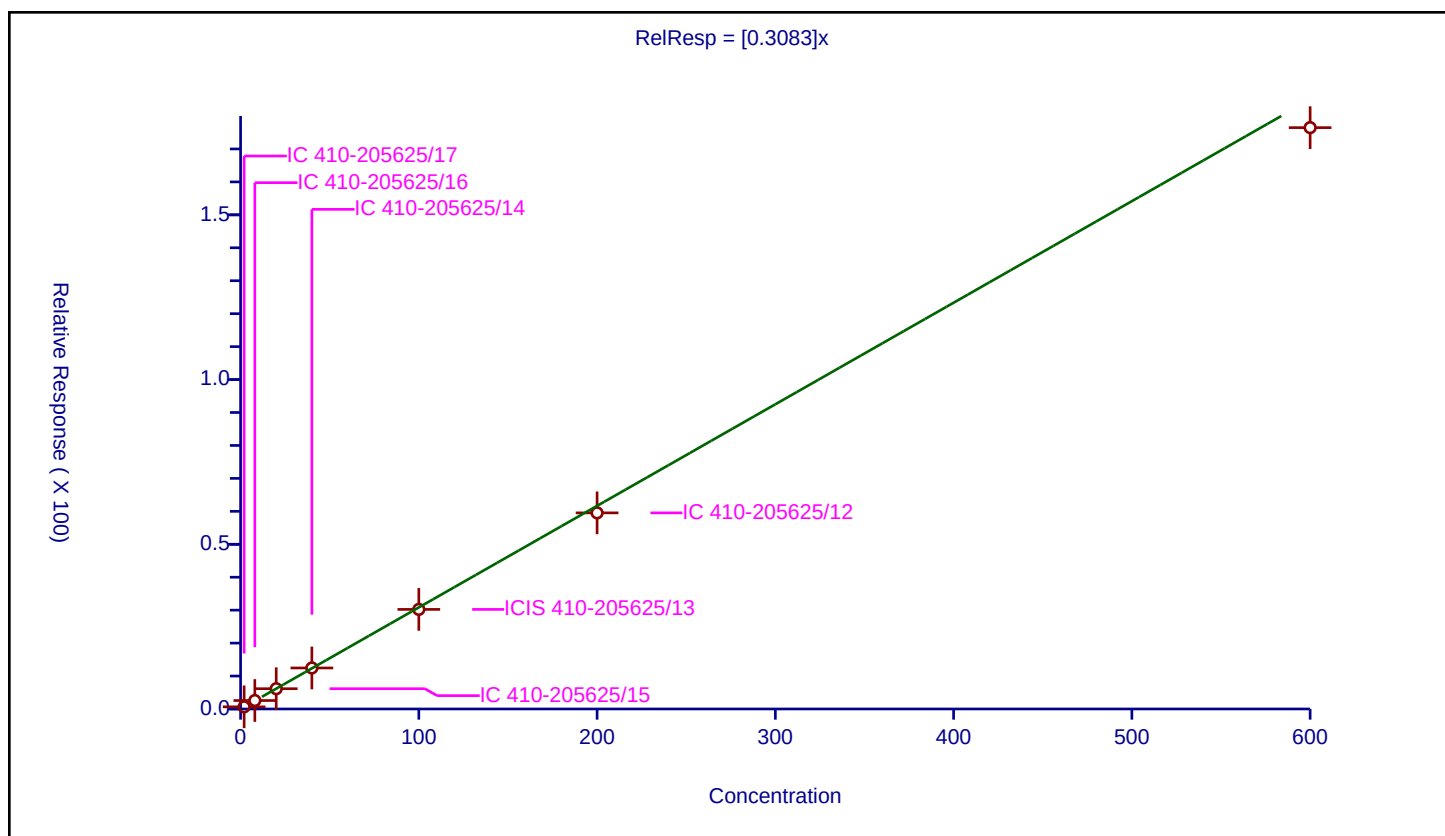
Curve Coefficients

Intercept: 0
 Slope: 0.3083

Error Coefficients

Standard Error: 1870000
 Relative Standard Error: 3.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	2.0	0.648362	50.0	1168328.0	0.324181	Y
2	IC 410-205625/16	8.0	2.567315	50.0	1191264.0	0.320914	Y
3	IC 410-205625/15	20.0	6.15292	50.0	1184072.0	0.307646	Y
4	IC 410-205625/14	40.0	12.453634	50.0	1187842.0	0.311341	Y
5	ICIS 410-205625/13	100.0	30.22669	50.0	1182847.0	0.302267	Y
6	IC 410-205625/12	200.0	59.537021	50.0	1200810.0	0.297685	Y
7	IC 410-205625/11	600.0	176.471312	50.0	1211810.0	0.294119	Y



Calibration

/ cis-1,2-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

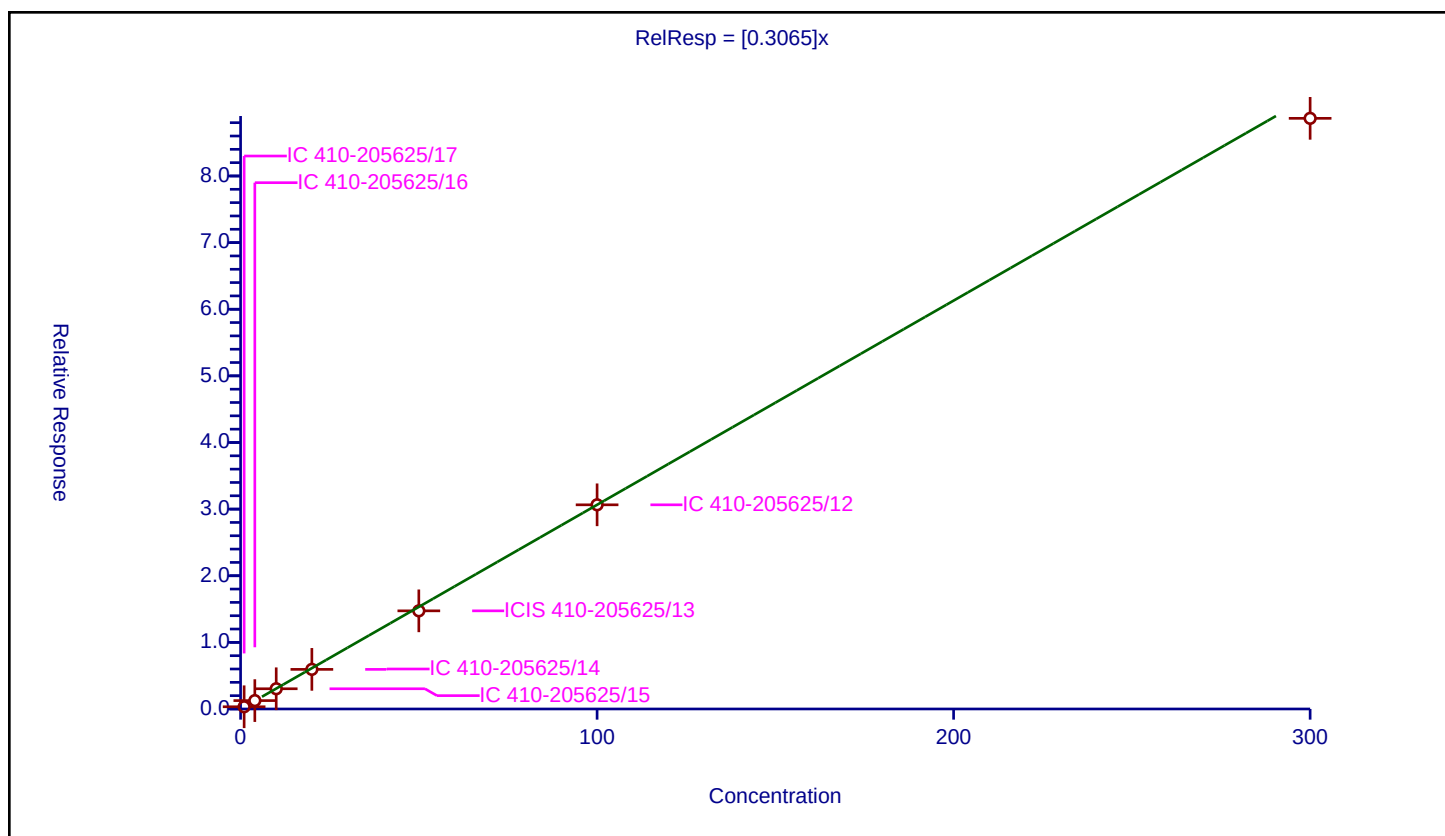
Curve Coefficients

Intercept: 0
Slope: 0.3065

Error Coefficients

Standard Error: 940000
Relative Standard Error: 4.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.333083	50.0	1168328.0	0.333083	Y
2	IC 410-205625/16	4.0	1.258159	50.0	1191264.0	0.31454	Y
3	IC 410-205625/15	10.0	3.03778	50.0	1184072.0	0.303778	Y
4	IC 410-205625/14	20.0	5.945277	50.0	1187842.0	0.297264	Y
5	ICIS 410-205625/13	50.0	14.729969	50.0	1182847.0	0.294599	Y
6	IC 410-205625/12	100.0	30.645939	50.0	1200810.0	0.306459	Y
7	IC 410-205625/11	300.0	88.651645	50.0	1211810.0	0.295505	Y



Calibration

/ 2,2-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

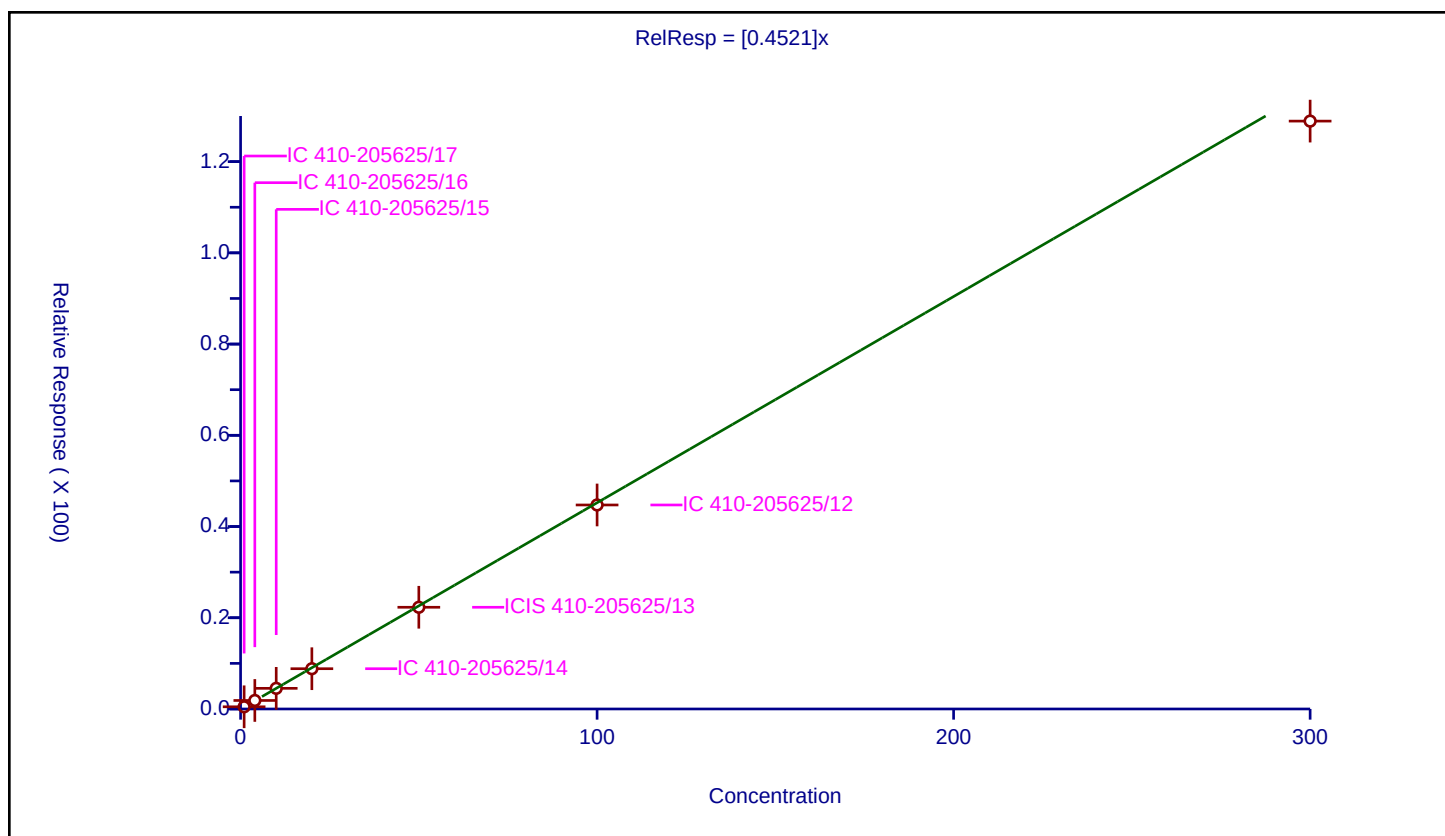
Curve Coefficients

Intercept: 0
 Slope: 0.4521

Error Coefficients

Standard Error: 1370000
 Relative Standard Error: 3.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.48043	50.0	1168328.0	0.48043	Y
2	IC 410-205625/16	4.0	1.868478	50.0	1191264.0	0.467119	Y
3	IC 410-205625/15	10.0	4.530721	50.0	1184072.0	0.453072	Y
4	IC 410-205625/14	20.0	8.829752	50.0	1187842.0	0.441488	Y
5	ICIS 410-205625/13	50.0	22.298784	50.0	1182847.0	0.445976	Y
6	IC 410-205625/12	100.0	44.727392	50.0	1200810.0	0.447274	Y
7	IC 410-205625/11	300.0	128.881467	50.0	1211810.0	0.429605	Y



Calibration

/ Propionitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

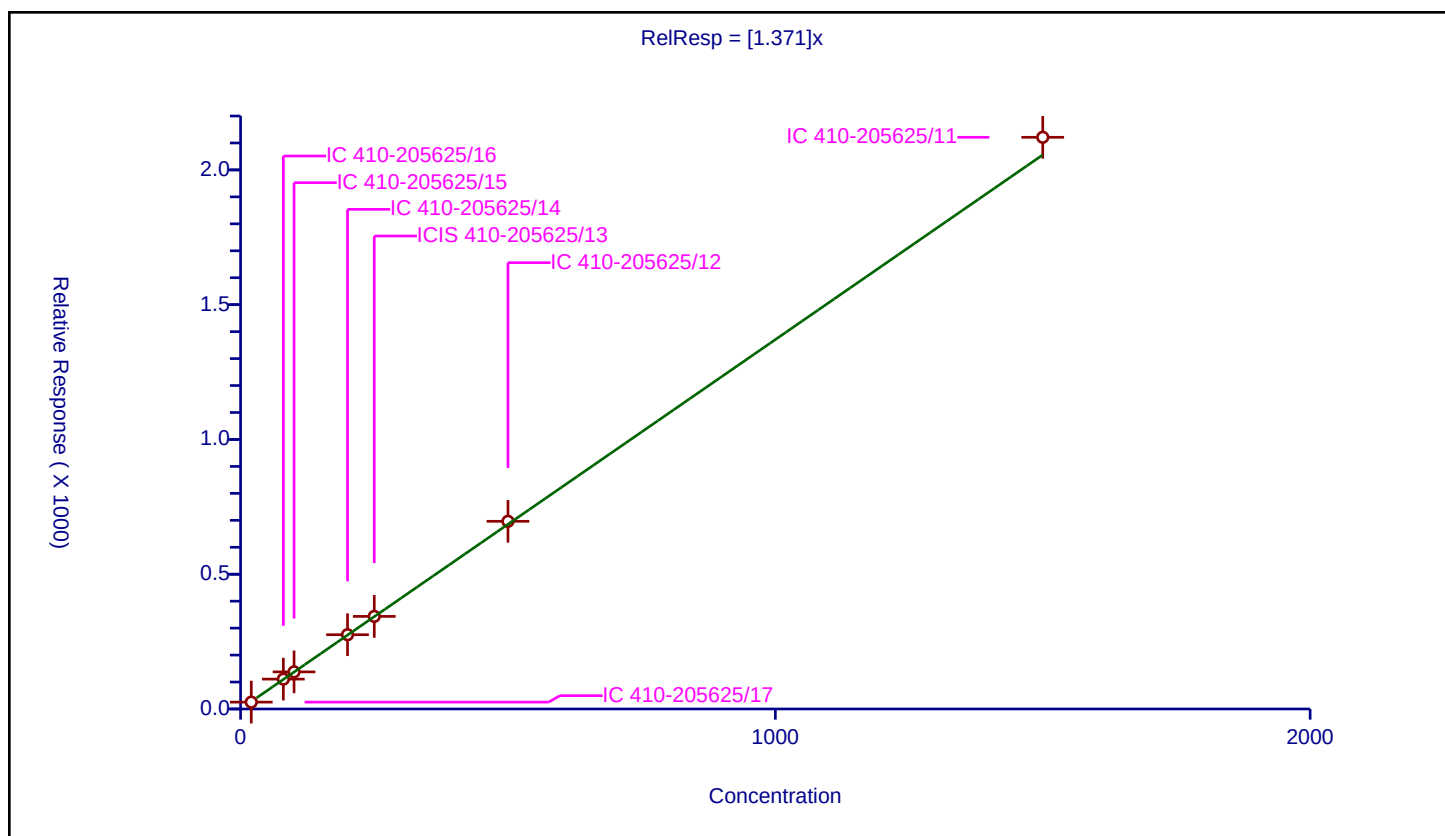
Curve Coefficients

Intercept: 0
Slope: 1.371

Error Coefficients

Standard Error: 1310000
Relative Standard Error: 3.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	20.0	25.454233	250.0	389778.0	1.272712	Y
2	IC 410-205625/16	80.0	110.846421	250.0	374967.0	1.38558	Y
3	IC 410-205625/15	100.0	137.628222	250.0	391217.0	1.376282	Y
4	IC 410-205625/14	200.0	275.56561	250.0	379944.0	1.377828	Y
5	ICIS 410-205625/13	250.0	343.572421	250.0	372193.0	1.37429	Y
6	IC 410-205625/12	500.0	696.410792	250.0	355552.0	1.392822	Y
7	IC 410-205625/11	1500.0	2121.073772	250.0	349413.0	1.414049	Y



Calibration

/ Methacrylonitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

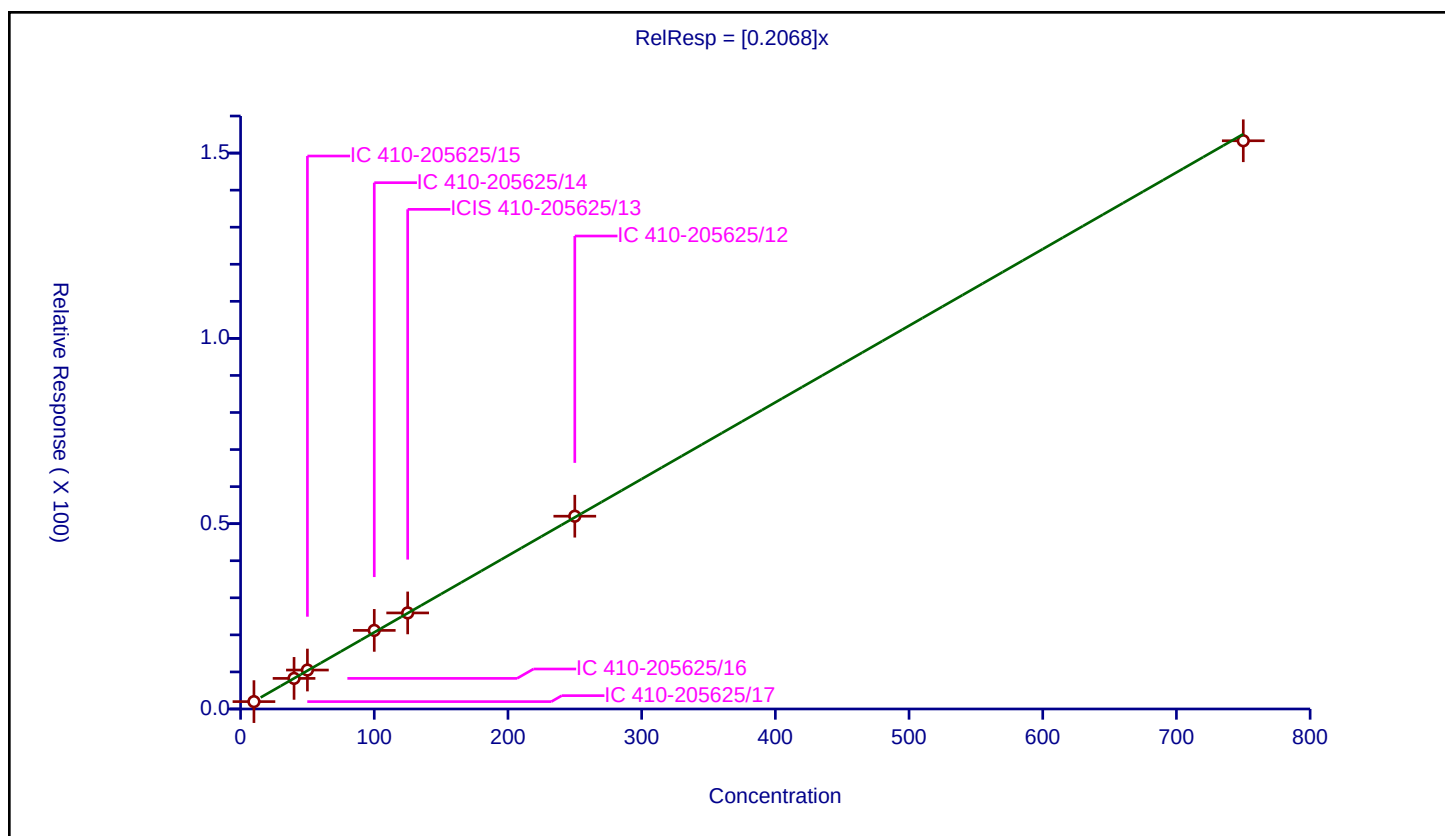
Curve Coefficients

Intercept: 0
Slope: 0.2068

Error Coefficients

Standard Error: 1640000
Relative Standard Error: 2.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	10.0	1.990708	50.0	1168328.0	0.199071	Y
2	IC 410-205625/16	40.0	8.259252	50.0	1191264.0	0.206481	Y
3	IC 410-205625/15	50.0	10.509158	50.0	1184072.0	0.210183	Y
4	IC 410-205625/14	100.0	21.21006	50.0	1187842.0	0.212101	Y
5	ICIS 410-205625/13	125.0	25.923725	50.0	1182847.0	0.20739	Y
6	IC 410-205625/12	250.0	52.017638	50.0	1200810.0	0.208071	Y
7	IC 410-205625/11	750.0	153.323541	50.0	1211810.0	0.204431	Y



Calibration

/ Chlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

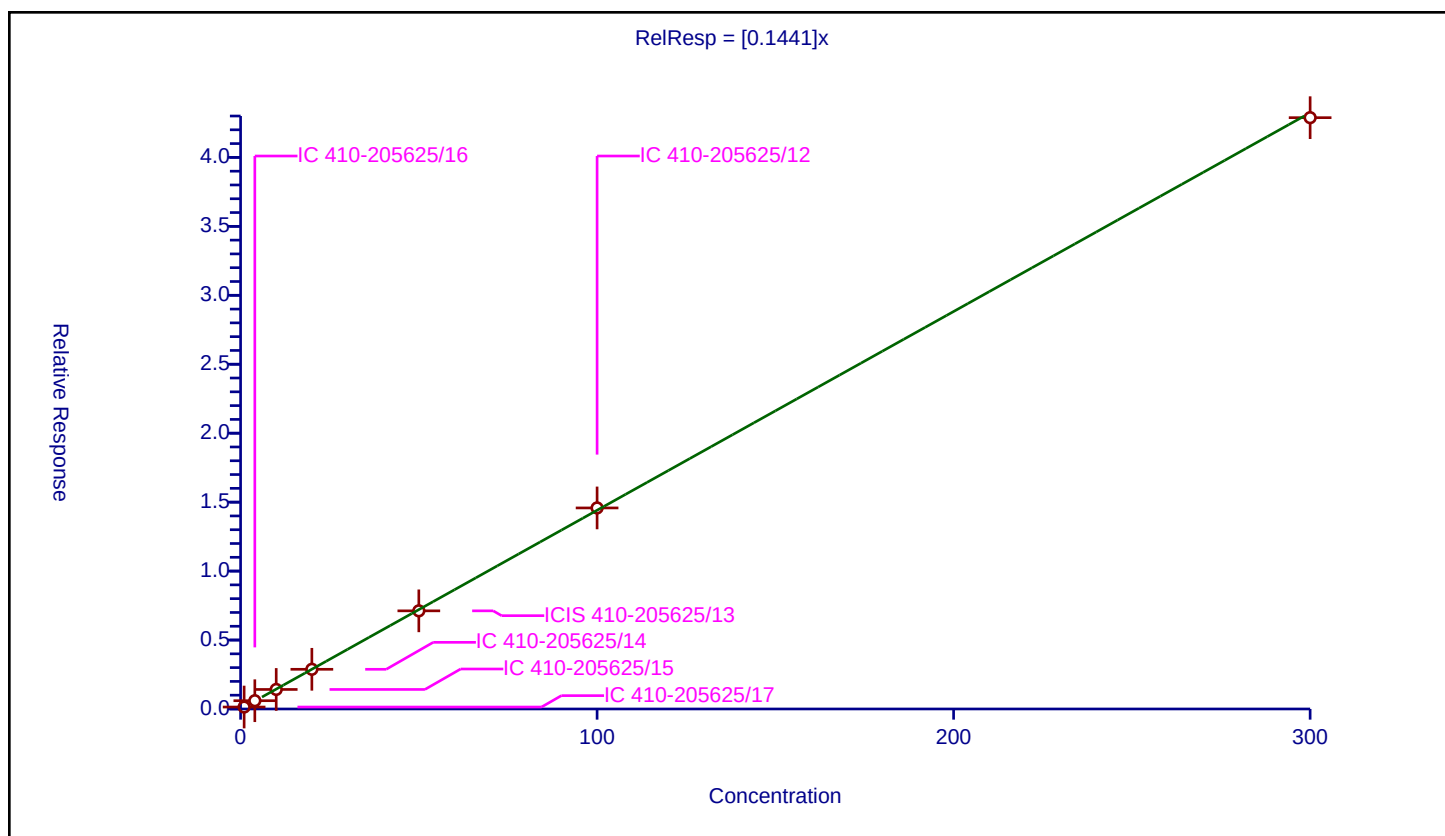
Curve Coefficients

Intercept: 0
Slope: 0.1441

Error Coefficients

Standard Error: 454000
Relative Standard Error: 2.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.142041	50.0	1168328.0	0.142041	Y
2	IC 410-205625/16	4.0	0.600832	50.0	1191264.0	0.150208	Y
3	IC 410-205625/15	10.0	1.415708	50.0	1184072.0	0.141571	Y
4	IC 410-205625/14	20.0	2.878876	50.0	1187842.0	0.143944	Y
5	ICIS 410-205625/13	50.0	7.11715	50.0	1182847.0	0.142343	Y
6	IC 410-205625/12	100.0	14.580242	50.0	1200810.0	0.145802	Y
7	IC 410-205625/11	300.0	42.880237	50.0	1211810.0	0.142934	Y



Calibration

/ Tetrahydrofuran

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

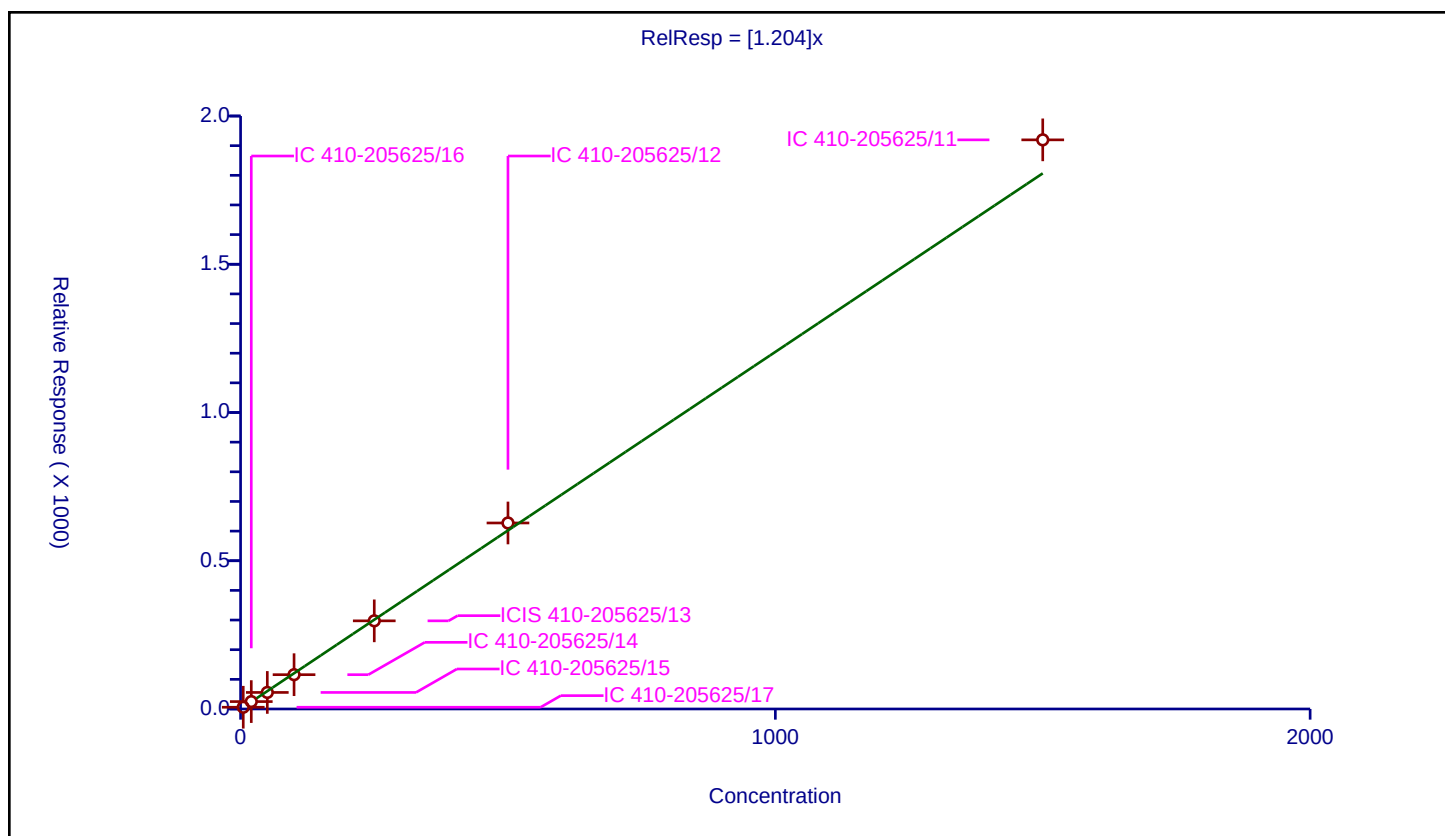
Curve Coefficients

Intercept: 0
Slope: 1.204

Error Coefficients

Standard Error: 1170000
Relative Standard Error: 4.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	5.0	5.925809	250.0	389778.0	1.185162	Y
2	IC 410-205625/16	20.0	24.970197	250.0	374967.0	1.24851	Y
3	IC 410-205625/15	50.0	55.821961	250.0	391217.0	1.116439	Y
4	IC 410-205625/14	100.0	115.700603	250.0	379944.0	1.157006	Y
5	ICIS 410-205625/13	250.0	297.302743	250.0	372193.0	1.189211	Y
6	IC 410-205625/12	500.0	627.380102	250.0	355552.0	1.25476	Y
7	IC 410-205625/11	1500.0	1919.557229	250.0	349413.0	1.279705	Y



Calibration

/ Chloroform

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

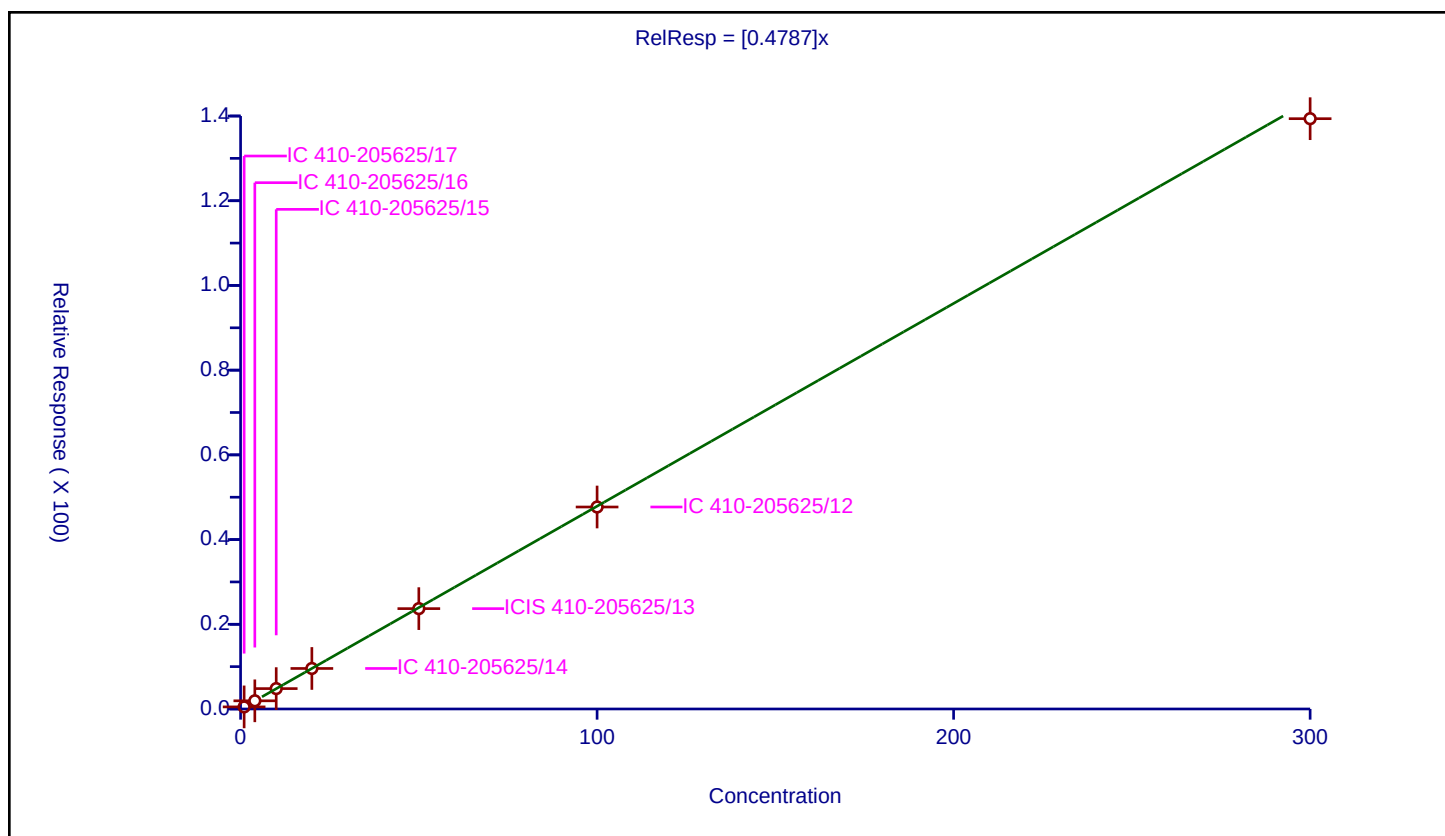
Curve Coefficients

Intercept: 0
 Slope: 0.4787

Error Coefficients

Standard Error: 1480000
 Relative Standard Error: 1.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.493098	50.0	1168328.0	0.493098	Y
2	IC 410-205625/16	4.0	1.931436	50.0	1191264.0	0.482859	Y
3	IC 410-205625/15	10.0	4.815163	50.0	1184072.0	0.481516	Y
4	IC 410-205625/14	20.0	9.567897	50.0	1187842.0	0.478395	Y
5	ICIS 410-205625/13	50.0	23.695626	50.0	1182847.0	0.473913	Y
6	IC 410-205625/12	100.0	47.686187	50.0	1200810.0	0.476862	Y
7	IC 410-205625/11	300.0	139.371973	50.0	1211810.0	0.464573	Y



Calibration

/ Dibromofluoromethane (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

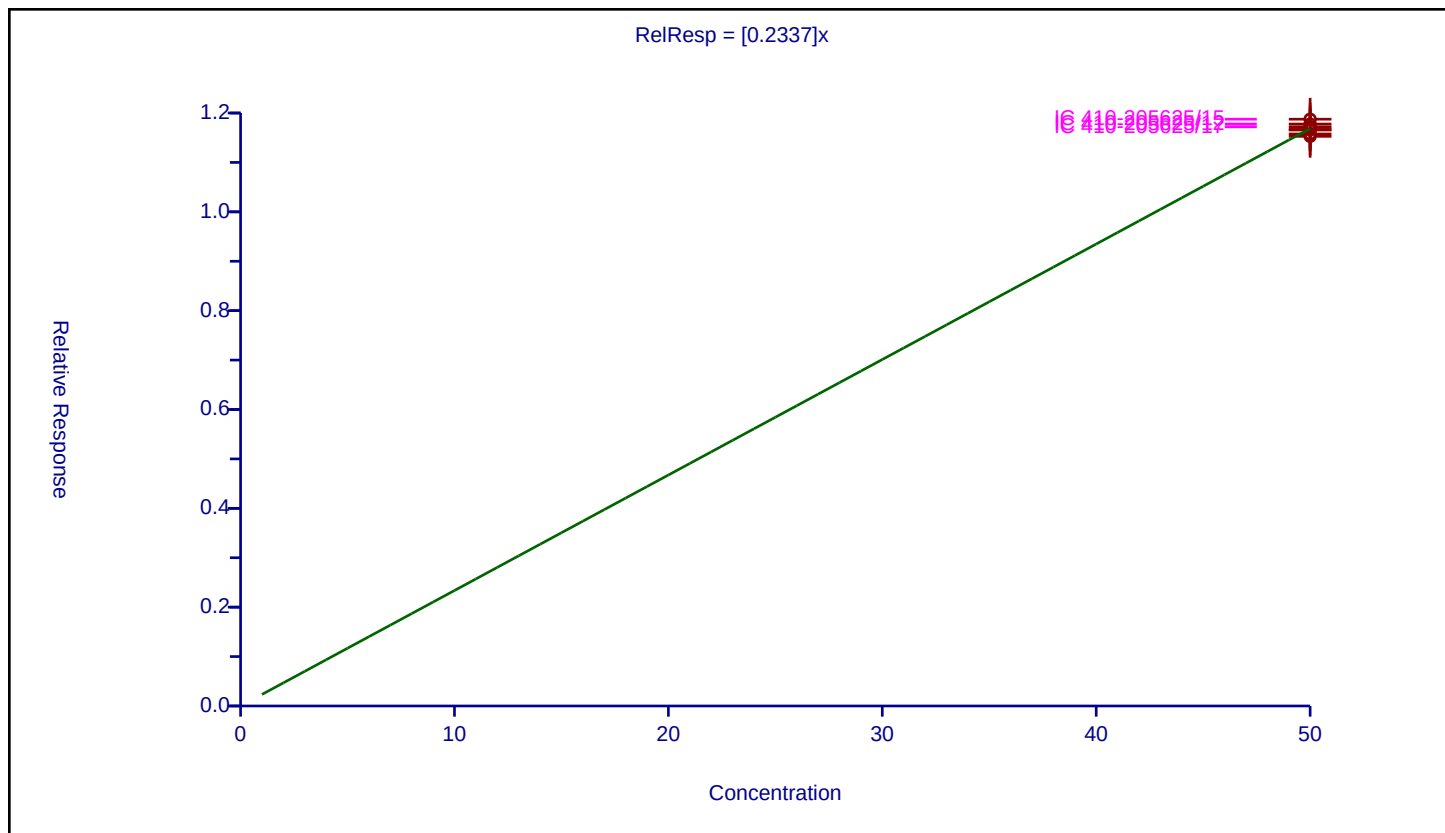
Curve Coefficients

Intercept: 0
 Slope: 0.2337

Error Coefficients

Standard Error: 300000
 Relative Standard Error: 1.0
 Correlation Coefficient: NA
 Coefficient of Determination (Adjusted): 0.000000000000000222

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/11	50.0	11.527673	50.0	1211810.0	0.230553	Y
2	IC 410-205625/12	50.0	11.777175	50.0	1200810.0	0.235544	Y
3	ICIS 410-205625/13	50.0	11.655819	50.0	1182847.0	0.233116	Y
4	IC 410-205625/14	50.0	11.576329	50.0	1187842.0	0.231527	Y
5	IC 410-205625/15	50.0	11.875038	50.0	1184072.0	0.237501	Y
6	IC 410-205625/16	50.0	11.668614	50.0	1191264.0	0.233372	Y
7	IC 410-205625/17	50.0	11.72051	50.0	1168328.0	0.23441	Y



Calibration

/ 1,1,1-Trichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

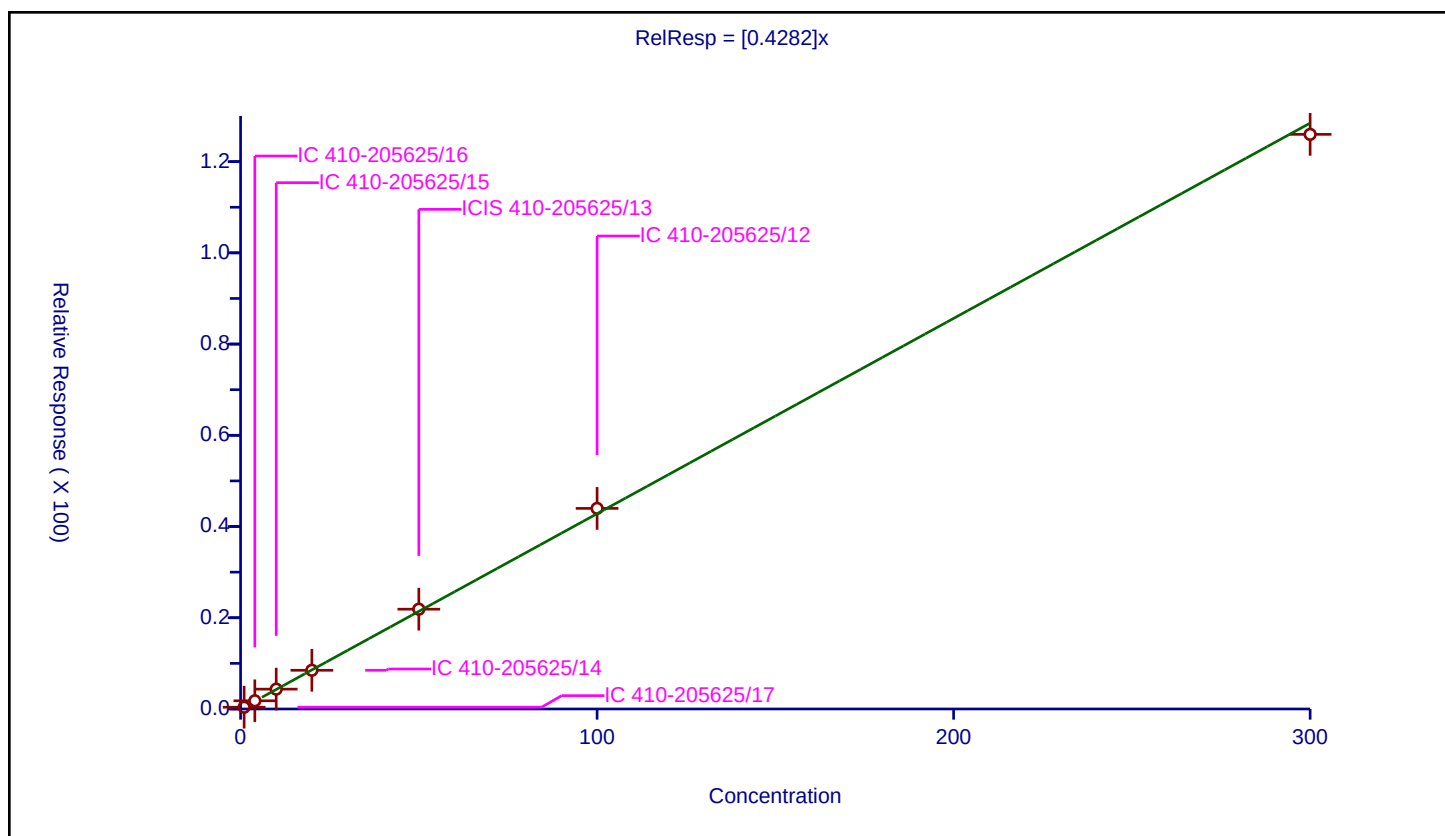
Curve Coefficients

Intercept: 0
 Slope: 0.4282

Error Coefficients

Standard Error: 1340000
 Relative Standard Error: 4.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.390301	50.0	1168328.0	0.390301	Y
2	IC 410-205625/16	4.0	1.800441	50.0	1191264.0	0.45011	Y
3	IC 410-205625/15	10.0	4.351171	50.0	1184072.0	0.435117	Y
4	IC 410-205625/14	20.0	8.484798	50.0	1187842.0	0.42424	Y
5	ICIS 410-205625/13	50.0	21.880598	50.0	1182847.0	0.437612	Y
6	IC 410-205625/12	100.0	43.976441	50.0	1200810.0	0.439764	Y
7	IC 410-205625/11	300.0	125.977092	50.0	1211810.0	0.419924	Y



Calibration

/ Cyclohexane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

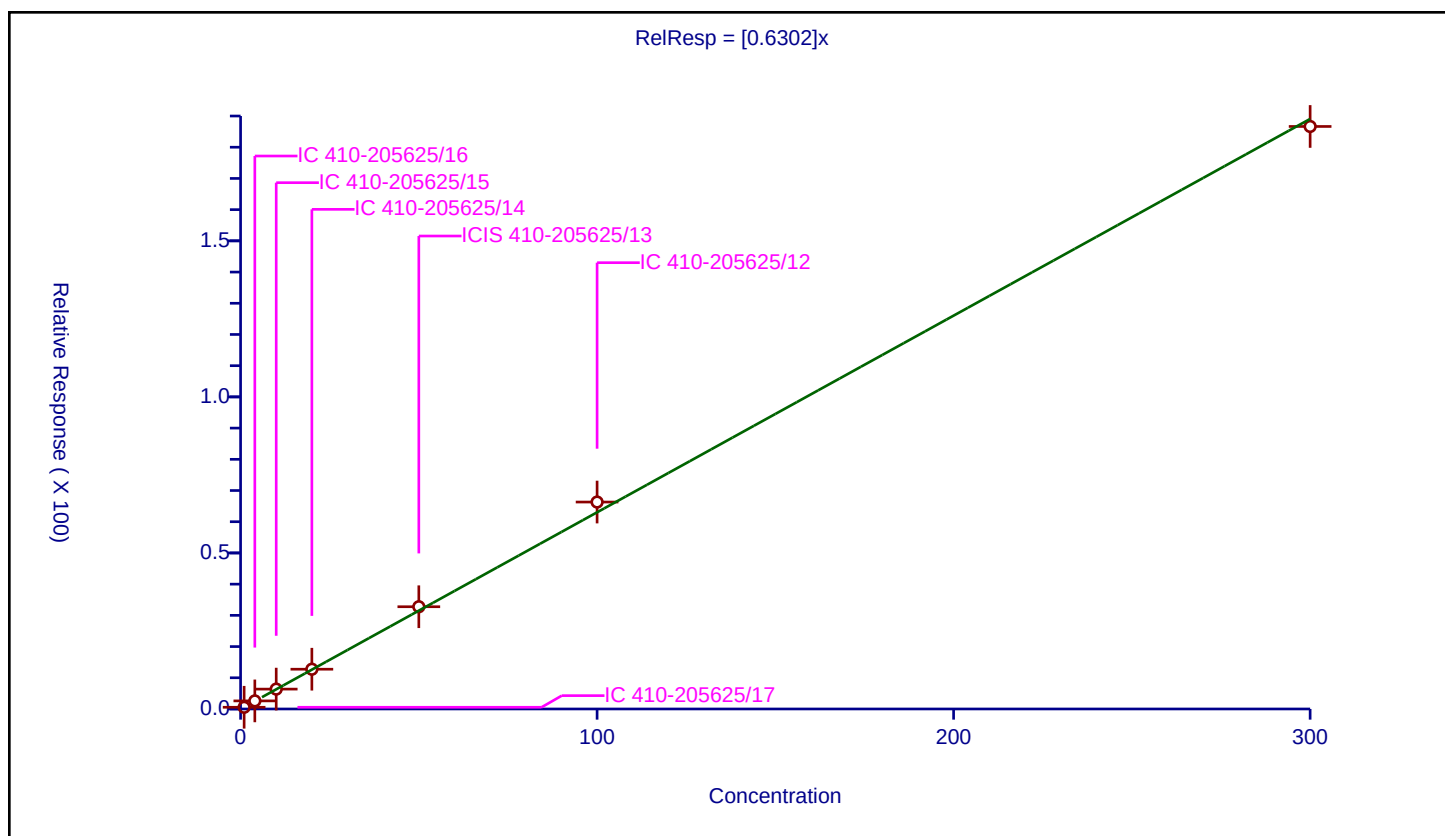
Curve Coefficients

Intercept: 0
 Slope: 0.6302

Error Coefficients

Standard Error: 1990000
 Relative Standard Error: 6.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.549589	50.0	1168328.0	0.549589	Y
2	IC 410-205625/16	4.0	2.589392	50.0	1191264.0	0.647348	Y
3	IC 410-205625/15	10.0	6.368532	50.0	1184072.0	0.636853	Y
4	IC 410-205625/14	20.0	12.742099	50.0	1187842.0	0.637105	Y
5	ICIS 410-205625/13	50.0	32.760619	50.0	1182847.0	0.655212	Y
6	IC 410-205625/12	100.0	66.30641	50.0	1200810.0	0.663064	Y
7	IC 410-205625/11	300.0	186.647824	50.0	1211810.0	0.622159	Y



Calibration

/ 1,1-Dichloropropene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

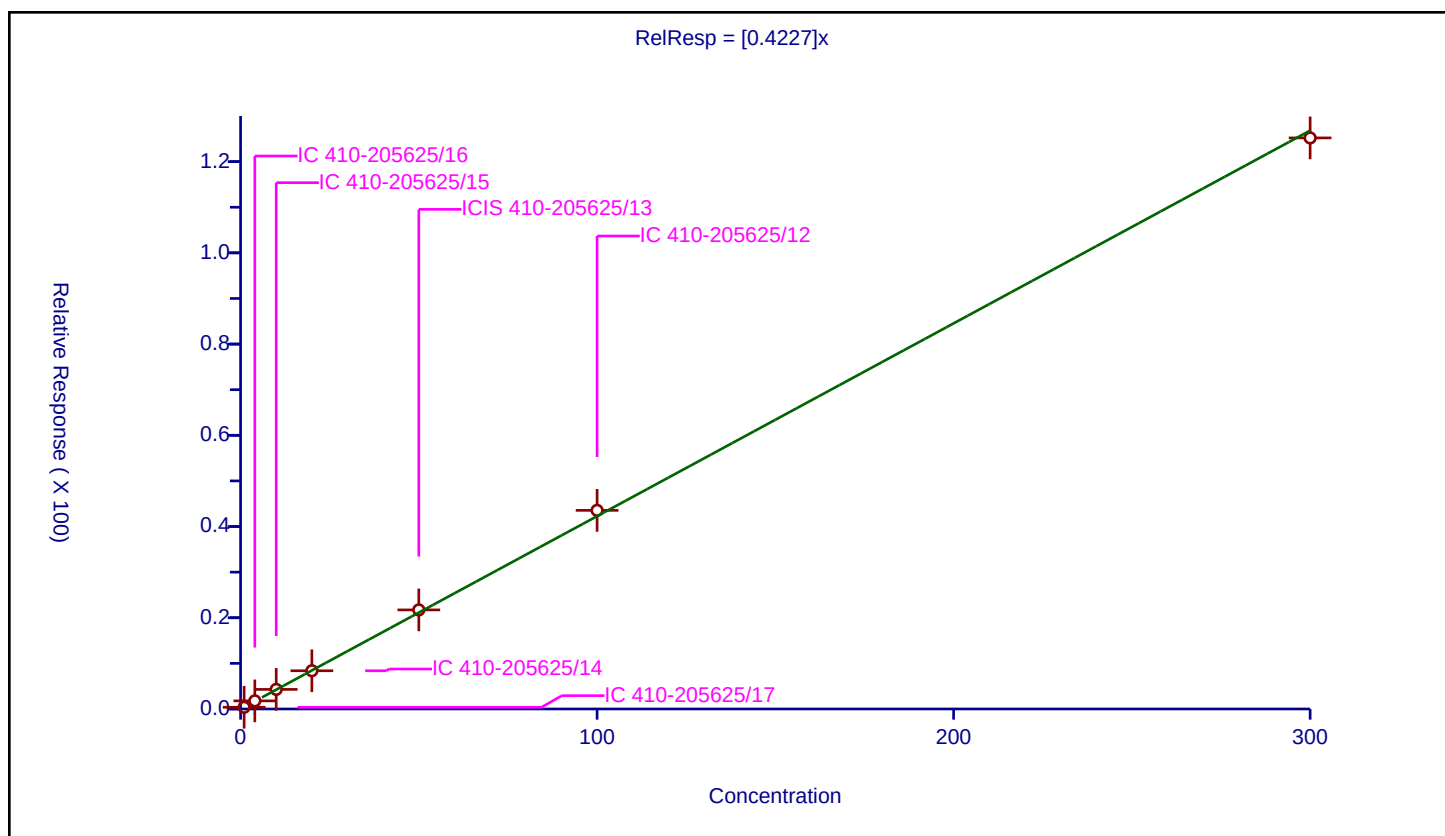
Curve Coefficients

Intercept: 0
 Slope: 0.4227

Error Coefficients

Standard Error: 1330000
 Relative Standard Error: 5.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.377676	50.0	1168328.0	0.377676	Y
2	IC 410-205625/16	4.0	1.782518	50.0	1191264.0	0.44563	Y
3	IC 410-205625/15	10.0	4.293447	50.0	1184072.0	0.429345	Y
4	IC 410-205625/14	20.0	8.379524	50.0	1187842.0	0.418976	Y
5	ICIS 410-205625/13	50.0	21.722251	50.0	1182847.0	0.434445	Y
6	IC 410-205625/12	100.0	43.544108	50.0	1200810.0	0.435441	Y
7	IC 410-205625/11	300.0	125.197927	50.0	1211810.0	0.417326	Y



Calibration

/ Carbon tetrachloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

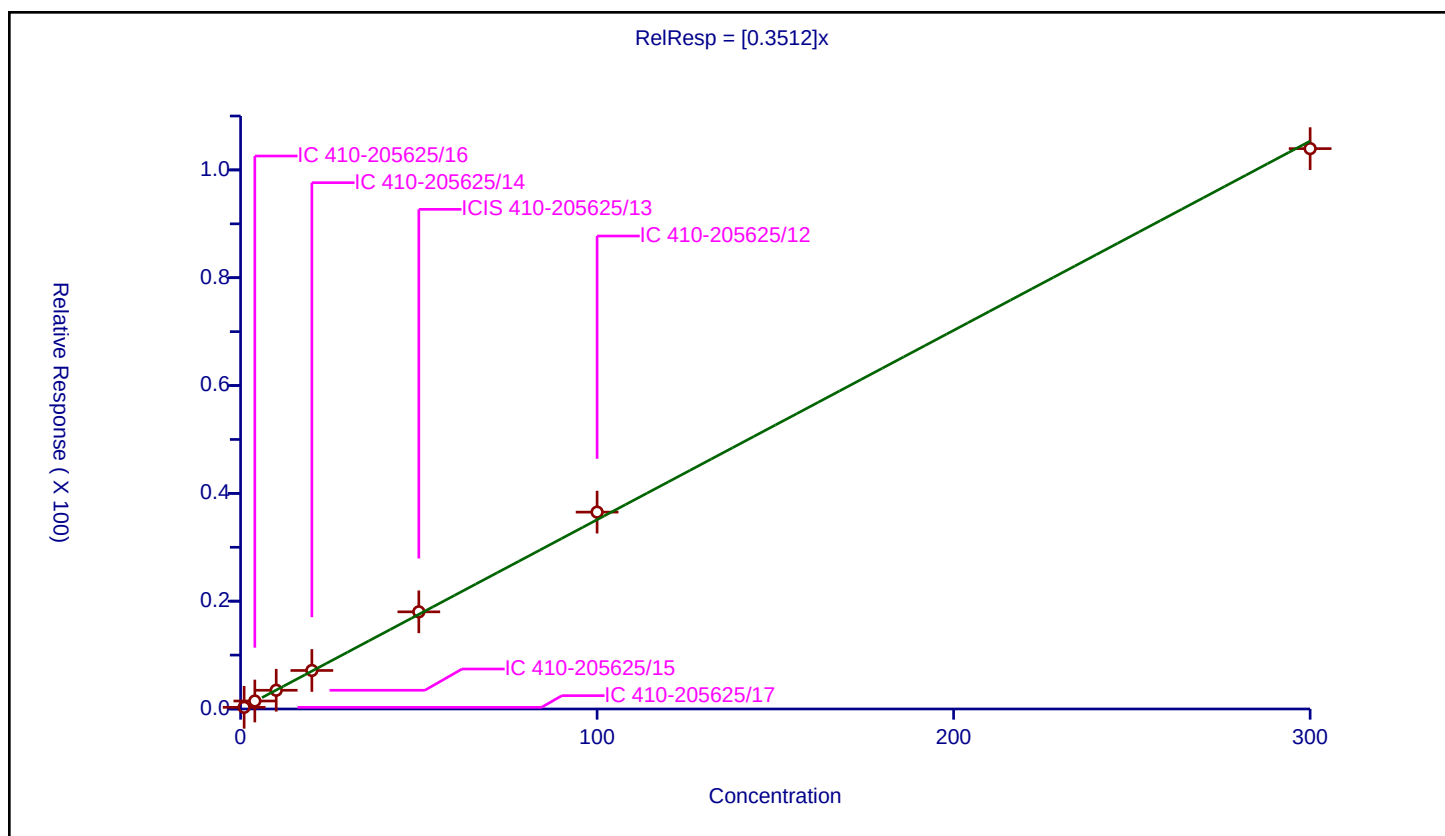
Curve Coefficients

Intercept: 0
 Slope: 0.3512

Error Coefficients

Standard Error: 1110000
 Relative Standard Error: 5.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.310743	50.0	1168328.0	0.310743	Y
2	IC 410-205625/16	4.0	1.482249	50.0	1191264.0	0.370562	Y
3	IC 410-205625/15	10.0	3.47424	50.0	1184072.0	0.347424	Y
4	IC 410-205625/14	20.0	7.145479	50.0	1187842.0	0.357274	Y
5	ICIS 410-205625/13	50.0	18.02135	50.0	1182847.0	0.360427	Y
6	IC 410-205625/12	100.0	36.518184	50.0	1200810.0	0.365182	Y
7	IC 410-205625/11	300.0	103.951692	50.0	1211810.0	0.346506	Y



Calibration

/ Isobutyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

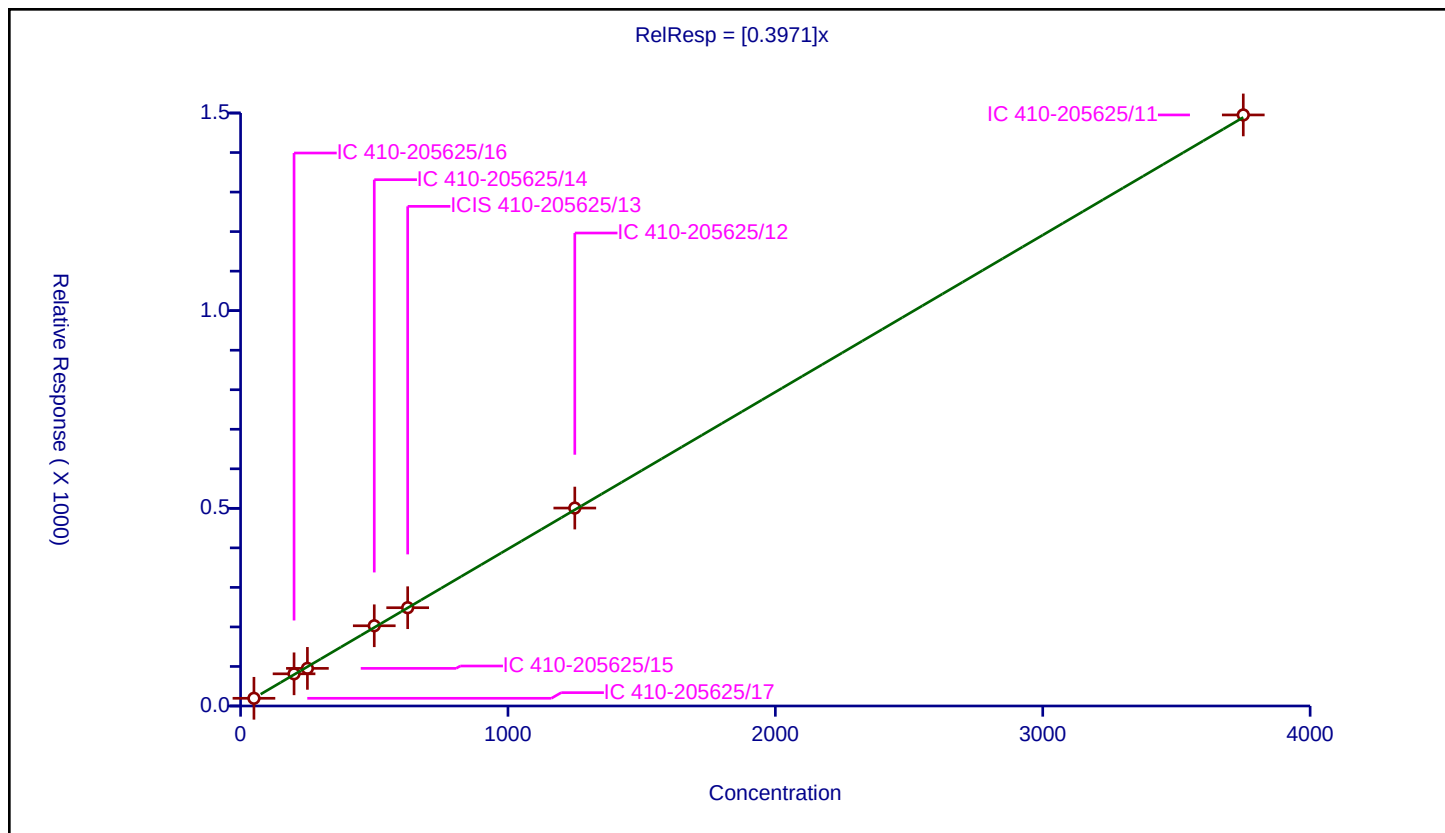
Curve Coefficients

Intercept: 0
 Slope: 0.3971

Error Coefficients

Standard Error: 925000
 Relative Standard Error: 2.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	50.0	19.438629	250.0	389778.0	0.388773	Y
2	IC 410-205625/16	200.0	81.403163	250.0	374967.0	0.407016	Y
3	IC 410-205625/15	250.0	95.172884	250.0	391217.0	0.380692	Y
4	IC 410-205625/14	500.0	202.972675	250.0	379944.0	0.405945	Y
5	ICIS 410-205625/13	625.0	248.593472	250.0	372193.0	0.39775	Y
6	IC 410-205625/12	1250.0	500.717195	250.0	355552.0	0.400574	Y
7	IC 410-205625/11	3750.0	1495.121819	250.0	349413.0	0.398699	Y



Calibration

/ 1,2-Dichloroethane-d4 (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

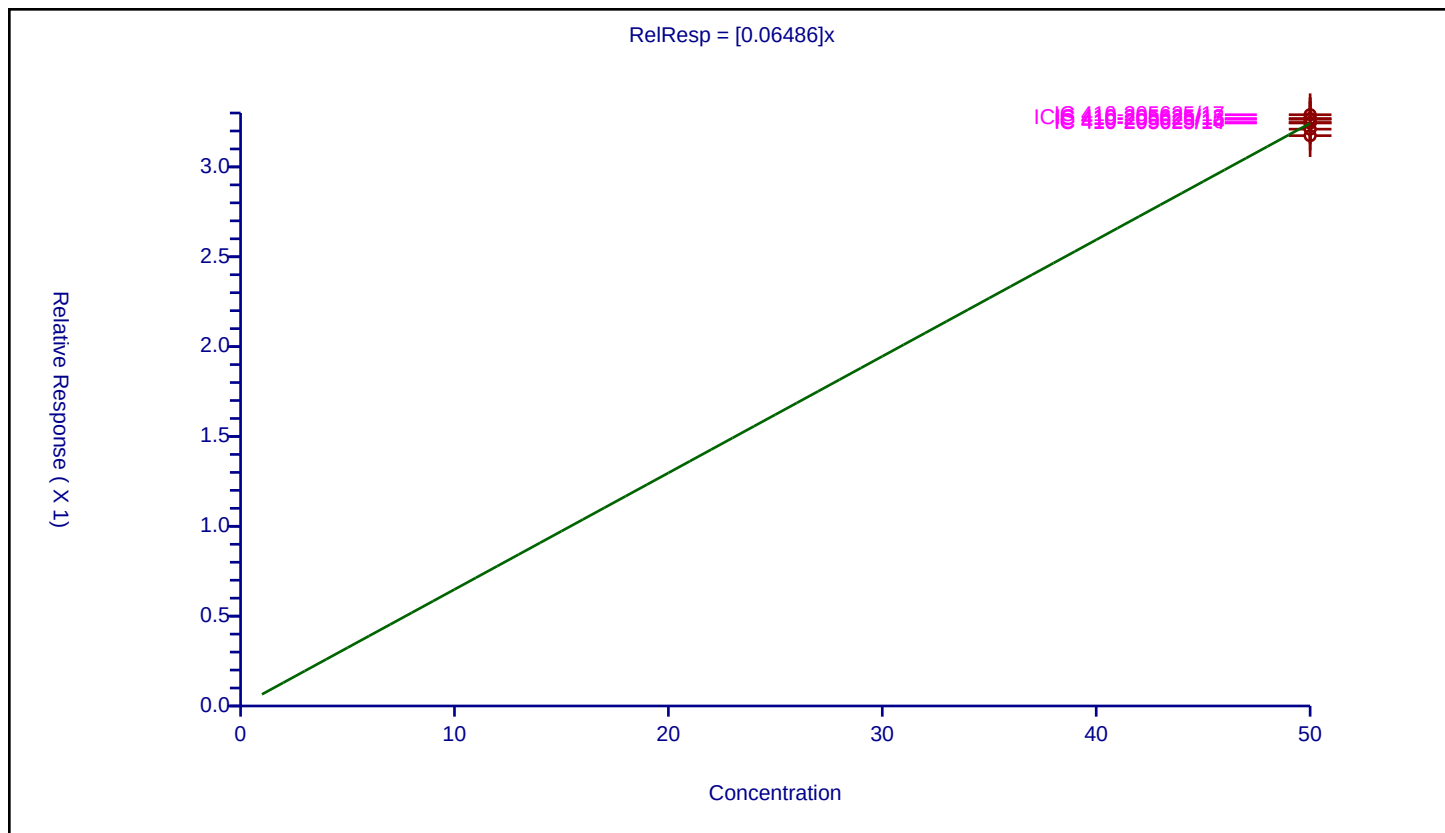
Curve Coefficients

Intercept: 0
 Slope: 0.06486

Error Coefficients

Standard Error: 83300
 Relative Standard Error: 1.2
 Correlation Coefficient: 0.00000000000000000000
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/11	50.0	3.174012	50.0	1211810.0	0.06348	Y
2	IC 410-205625/12	50.0	3.21025	50.0	1200810.0	0.064205	Y
3	ICIS 410-205625/13	50.0	3.269485	50.0	1182847.0	0.06539	Y
4	IC 410-205625/14	50.0	3.244455	50.0	1187842.0	0.064889	Y
5	IC 410-205625/15	50.0	3.265215	50.0	1184072.0	0.065304	Y
6	IC 410-205625/16	50.0	3.247097	50.0	1191264.0	0.064942	Y
7	IC 410-205625/17	50.0	3.290514	50.0	1168328.0	0.06581	Y



Calibration

/ Benzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

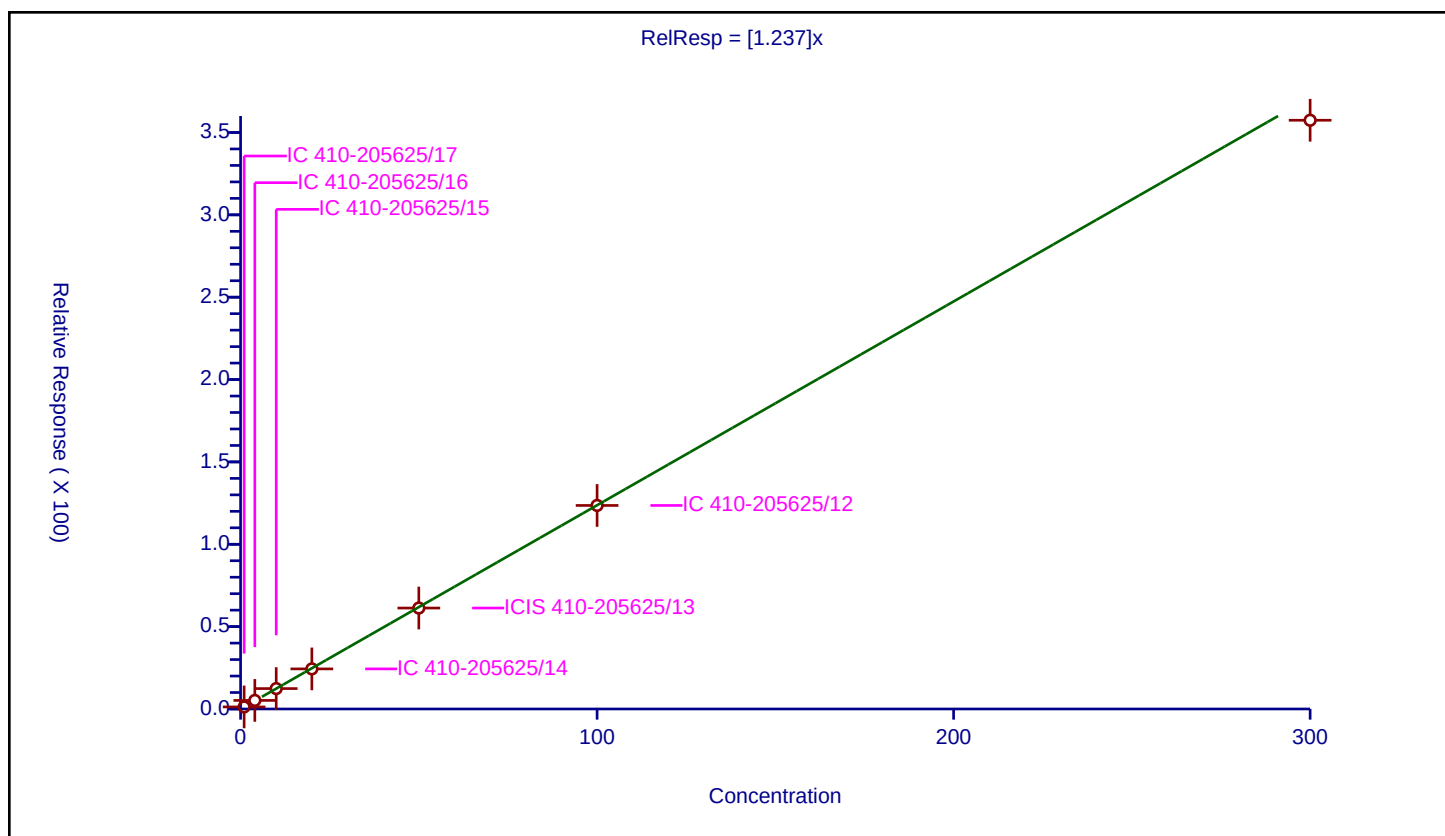
Curve Coefficients

Intercept: 0
Slope: 1.237

Error Coefficients

Standard Error: 3790000
Relative Standard Error: 2.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.247338	50.0	1168328.0	1.247338	Y
2	IC 410-205625/16	4.0	5.212405	50.0	1191264.0	1.303101	Y
3	IC 410-205625/15	10.0	12.393883	50.0	1184072.0	1.239388	Y
4	IC 410-205625/14	20.0	24.336023	50.0	1187842.0	1.216801	Y
5	ICIS 410-205625/13	50.0	61.279608	50.0	1182847.0	1.225592	Y
6	IC 410-205625/12	100.0	123.570923	50.0	1200810.0	1.235709	Y
7	IC 410-205625/11	300.0	357.431198	50.0	1211810.0	1.191437	Y



Calibration

/ 1,2-Dichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

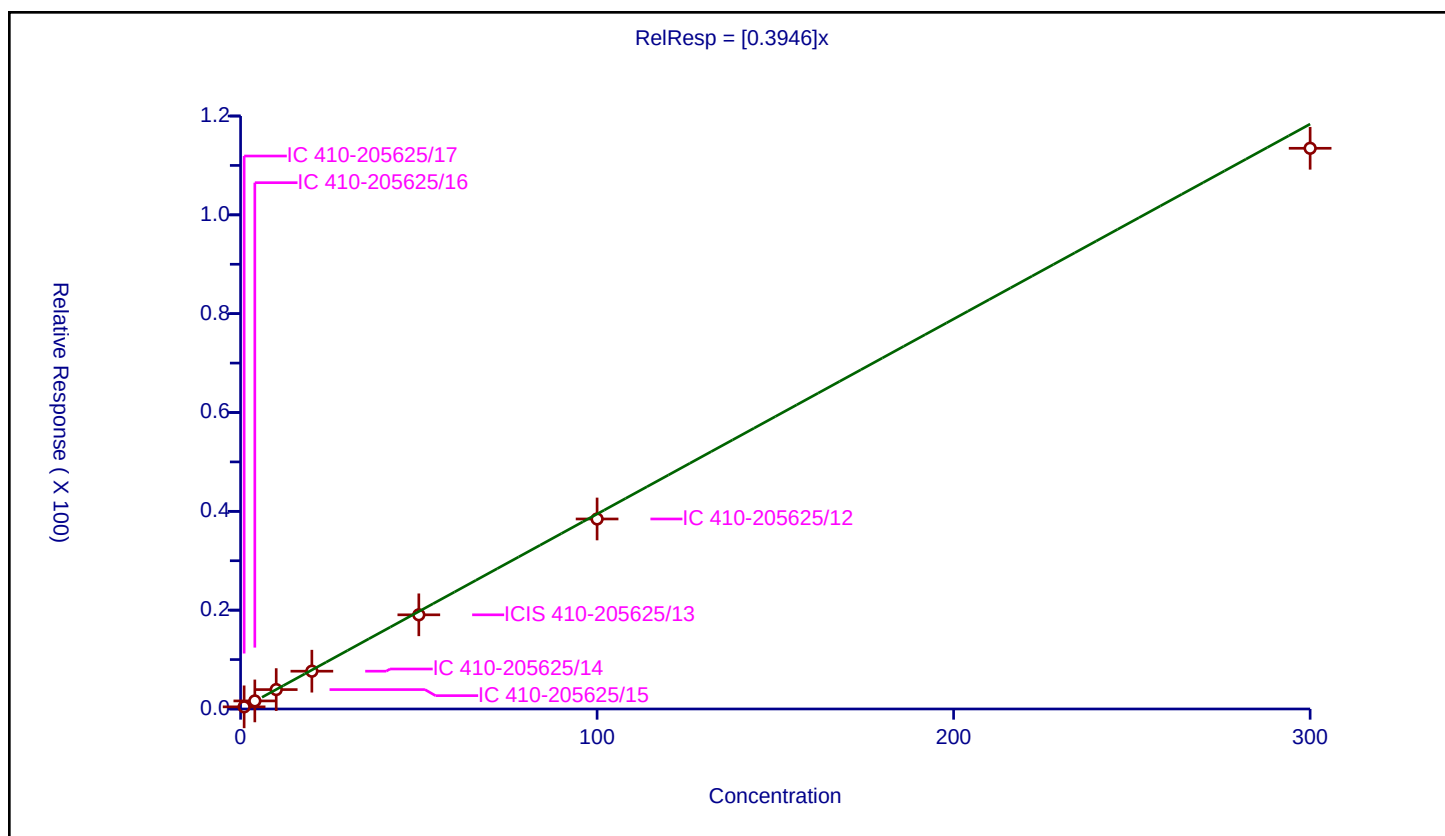
Curve Coefficients

Intercept: 0
 Slope: 0.3946

Error Coefficients

Standard Error: 1200000
 Relative Standard Error: 5.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.434938	50.0	1168328.0	0.434938	Y
2	IC 410-205625/16	4.0	1.632971	50.0	1191264.0	0.408243	Y
3	IC 410-205625/15	10.0	3.92341	50.0	1184072.0	0.392341	Y
4	IC 410-205625/14	20.0	7.650092	50.0	1187842.0	0.382505	Y
5	ICIS 410-205625/13	50.0	19.056903	50.0	1182847.0	0.381138	Y
6	IC 410-205625/12	100.0	38.455334	50.0	1200810.0	0.384553	Y
7	IC 410-205625/11	300.0	113.471625	50.0	1211810.0	0.378239	Y



Calibration

/ Tert-amyl methyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

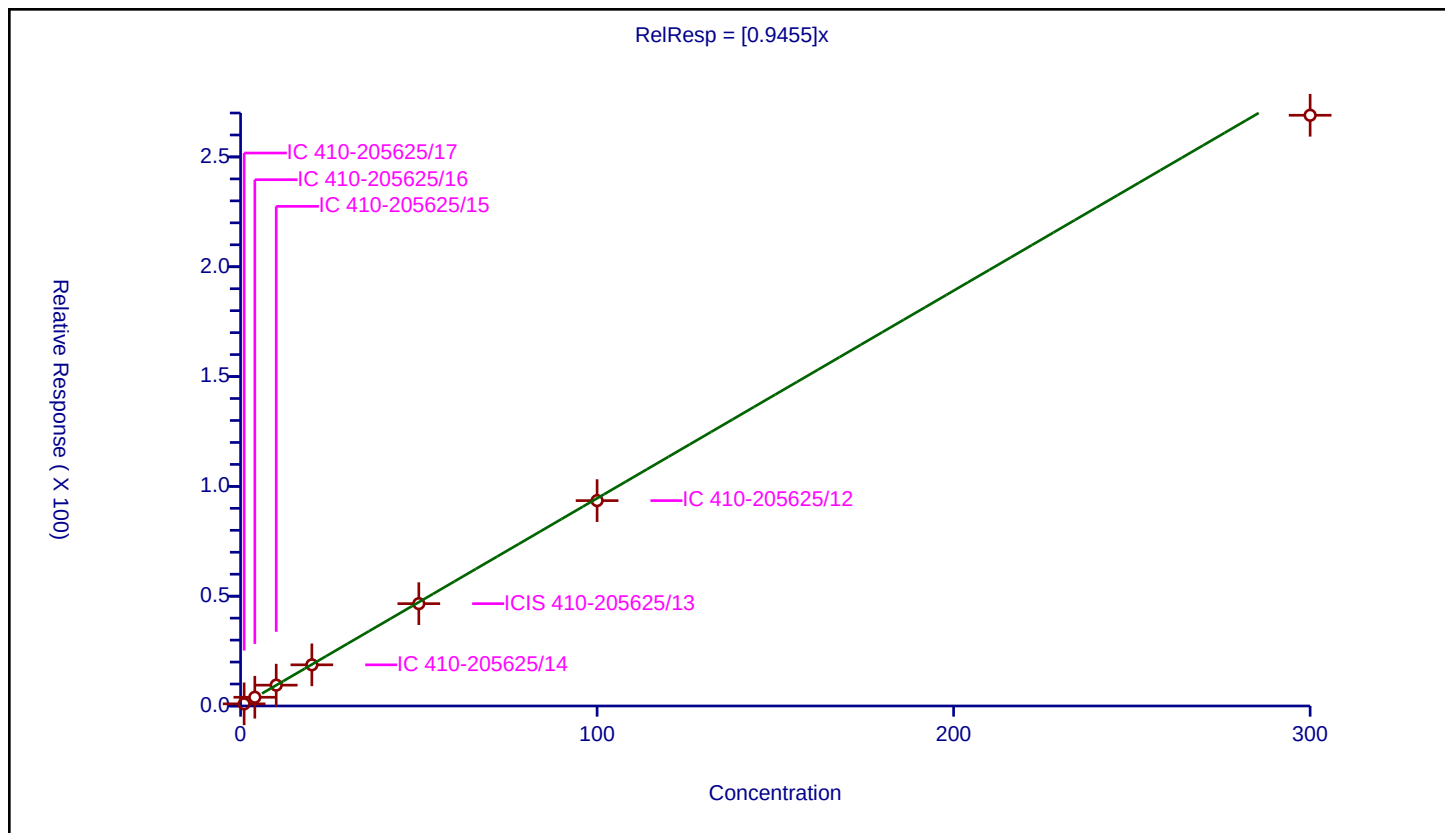
Curve Coefficients

Intercept: 0
 Slope: 0.9455

Error Coefficients

Standard Error: 2860000
 Relative Standard Error: 3.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.975582	50.0	1168328.0	0.975582	Y
2	IC 410-205625/16	4.0	3.972251	50.0	1191264.0	0.993063	Y
3	IC 410-205625/15	10.0	9.492539	50.0	1184072.0	0.949254	Y
4	IC 410-205625/14	20.0	18.737635	50.0	1187842.0	0.936882	Y
5	ICIS 410-205625/13	50.0	46.595883	50.0	1182847.0	0.931918	Y
6	IC 410-205625/12	100.0	93.517709	50.0	1200810.0	0.935177	Y
7	IC 410-205625/11	300.0	268.979089	50.0	1211810.0	0.896597	Y



Calibration

/ n-Heptane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

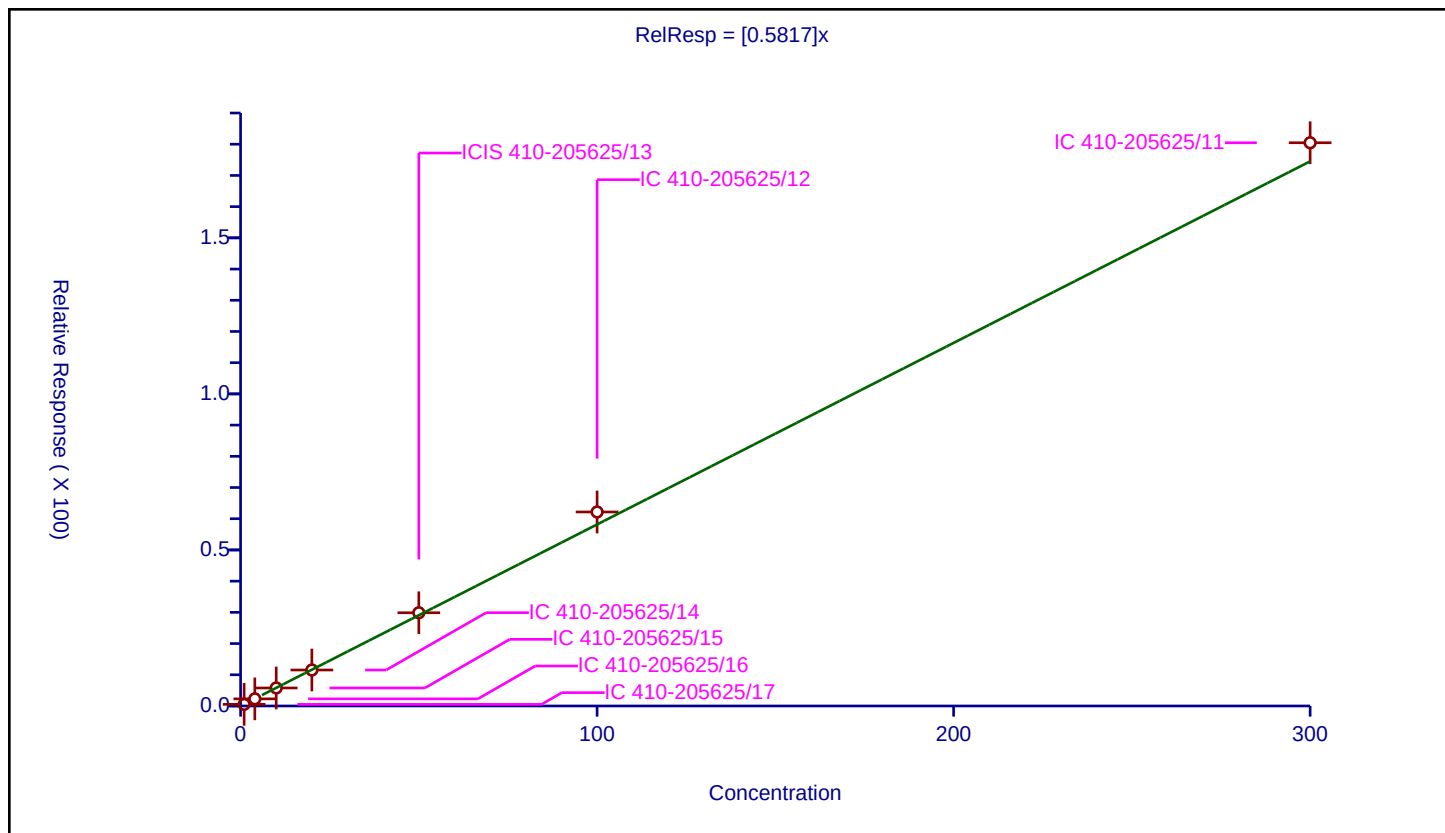
Curve Coefficients

Intercept: 0
 Slope: 0.5817

Error Coefficients

Standard Error: 1910000
 Relative Standard Error: 5.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.526907	50.0	1168328.0	0.526907	Y
2	IC 410-205625/16	4.0	2.282617	50.0	1191264.0	0.570654	Y
3	IC 410-205625/15	10.0	5.768399	50.0	1184072.0	0.57684	Y
4	IC 410-205625/14	20.0	11.532552	50.0	1187842.0	0.576628	Y
5	ICIS 410-205625/13	50.0	29.874278	50.0	1182847.0	0.597486	Y
6	IC 410-205625/12	100.0	62.168869	50.0	1200810.0	0.621689	Y
7	IC 410-205625/11	300.0	180.471567	50.0	1211810.0	0.601572	Y



Calibration

/ n-Butanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

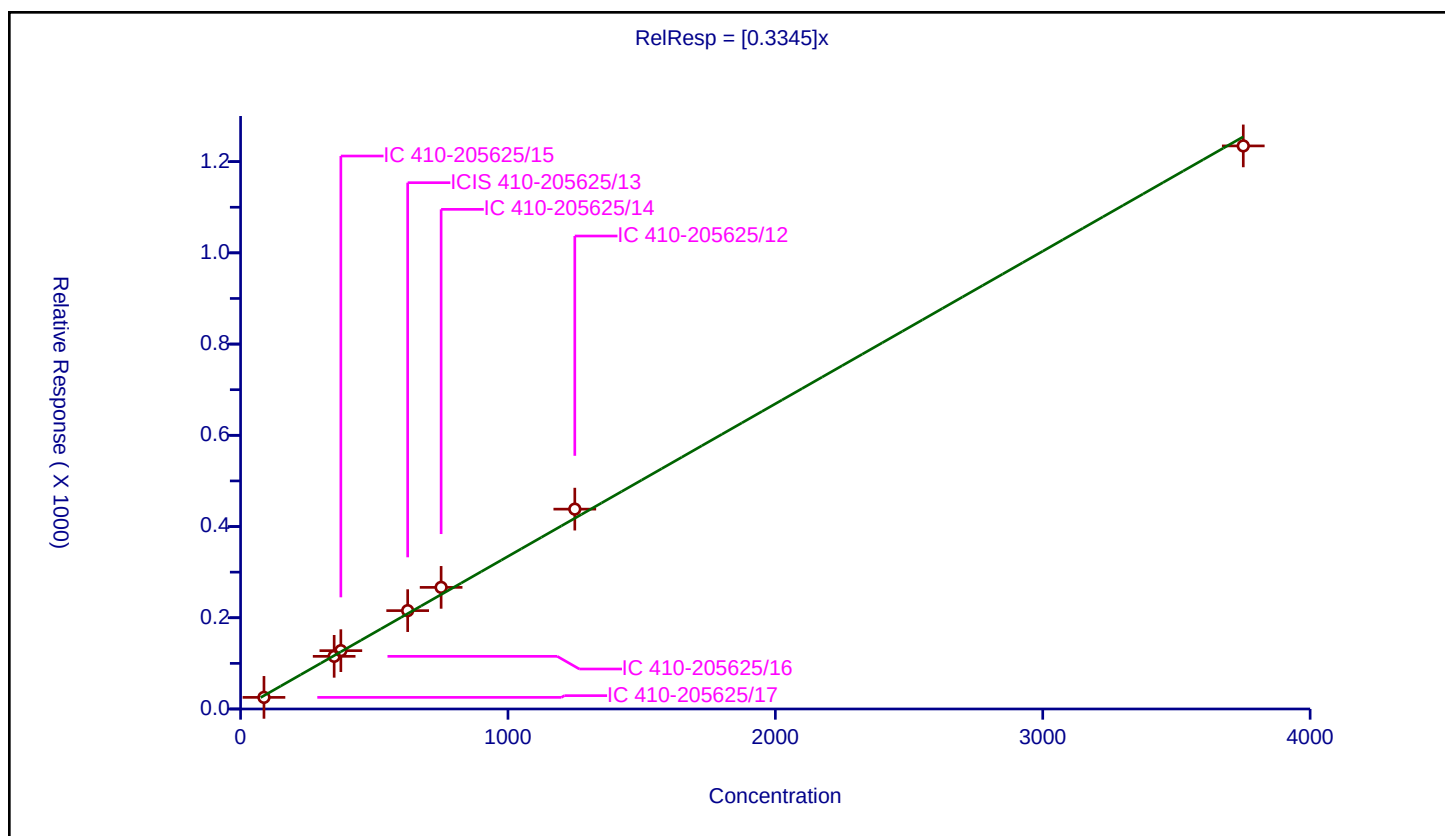
Curve Coefficients

Intercept: 0
Slope: 0.3345

Error Coefficients

Standard Error: 785000
Relative Standard Error: 6.5
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	87.5	25.440122	250.0	389778.0	0.290744	Y
2	IC 410-205625/16	350.0	115.453493	250.0	374967.0	0.329867	Y
3	IC 410-205625/15	375.0	127.872127	250.0	391217.0	0.340992	Y
4	ICIS 410-205625/13	625.0	215.634093	250.0	372193.0	0.345015	Y
5	IC 410-205625/14	750.0	266.599157	250.0	379944.0	0.355466	Y
6	IC 410-205625/12	1250.0	438.1511	250.0	355552.0	0.350521	Y
7	IC 410-205625/11	3750.0	1234.437471	250.0	349413.0	0.329183	Y



Calibration

/ Trichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

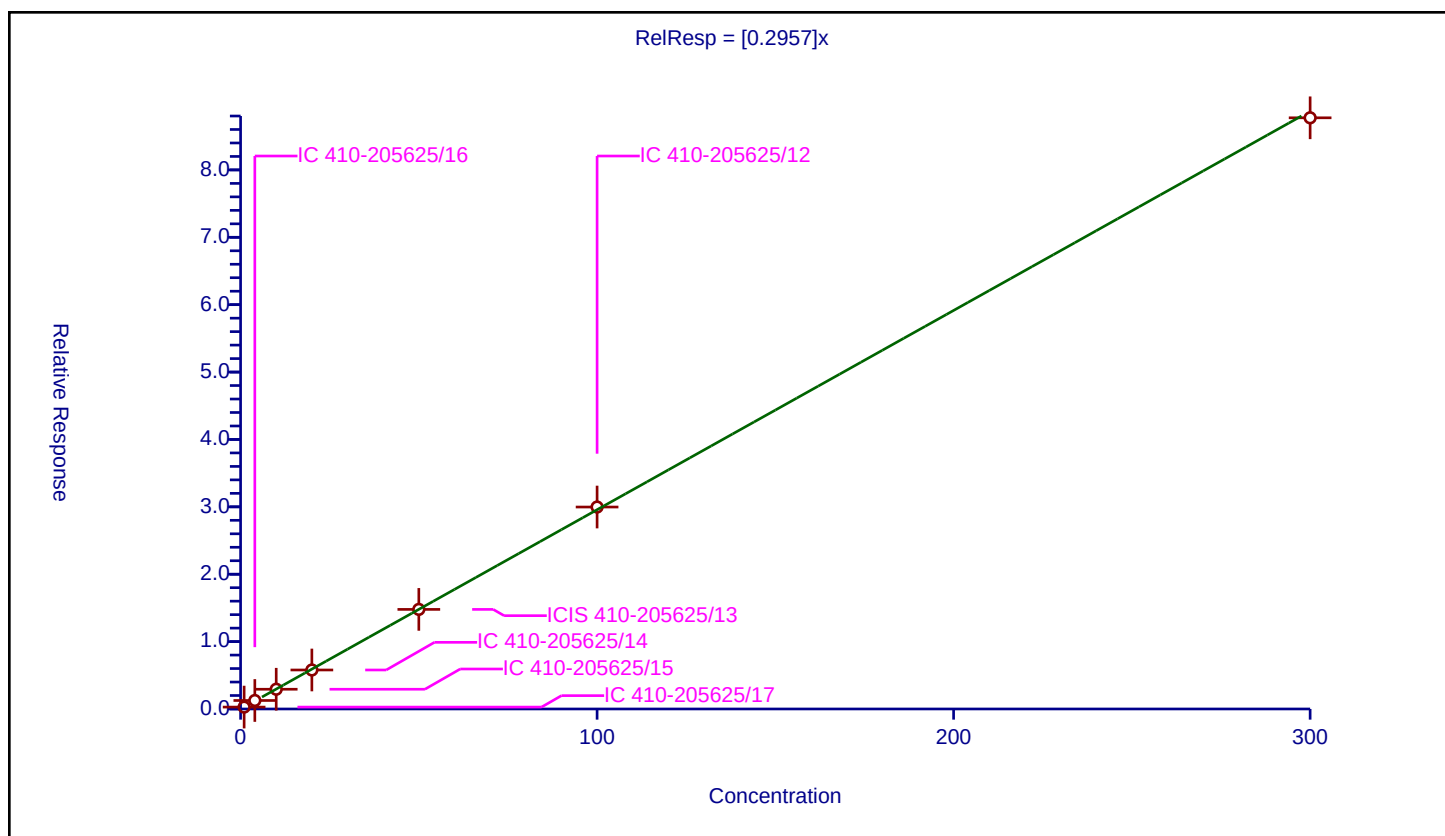
Curve Coefficients

Intercept: 0
Slope: 0.2957

Error Coefficients

Standard Error: 930000
Relative Standard Error: 3.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.284723	50.0	1168328.0	0.284723	Y
2	IC 410-205625/16	4.0	1.260804	50.0	1191264.0	0.315201	Y
3	IC 410-205625/15	10.0	2.930143	50.0	1184072.0	0.293014	Y
4	IC 410-205625/14	20.0	5.787133	50.0	1187842.0	0.289357	Y
5	ICIS 410-205625/13	50.0	14.78006	50.0	1182847.0	0.295601	Y
6	IC 410-205625/12	100.0	29.972893	50.0	1200810.0	0.299729	Y
7	IC 410-205625/11	300.0	87.734587	50.0	1211810.0	0.292449	Y



Calibration

/ Methylcyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

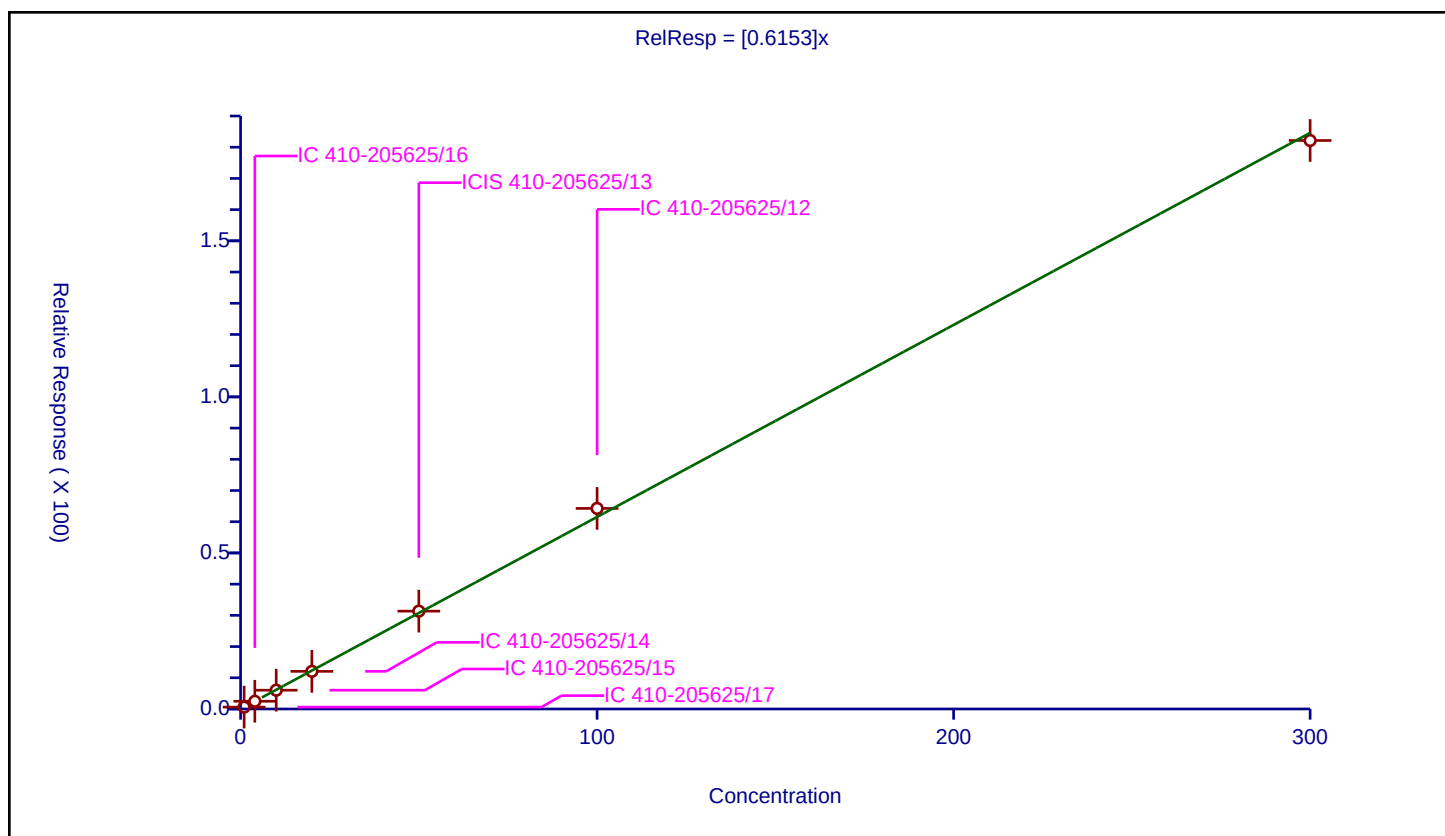
Curve Coefficients

Intercept: 0
Slope: 0.6153

Error Coefficients

Standard Error: 1940000
Relative Standard Error: 2.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.606123	50.0	1168328.0	0.606123	Y
2	IC 410-205625/16	4.0	2.476361	50.0	1191264.0	0.61909	Y
3	IC 410-205625/15	10.0	6.018764	50.0	1184072.0	0.601876	Y
4	IC 410-205625/14	20.0	12.059727	50.0	1187842.0	0.602986	Y
5	ICIS 410-205625/13	50.0	31.355661	50.0	1182847.0	0.627113	Y
6	IC 410-205625/12	100.0	64.271284	50.0	1200810.0	0.642713	Y
7	IC 410-205625/11	300.0	182.152895	50.0	1211810.0	0.607176	Y



Calibration

/ 1,2-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

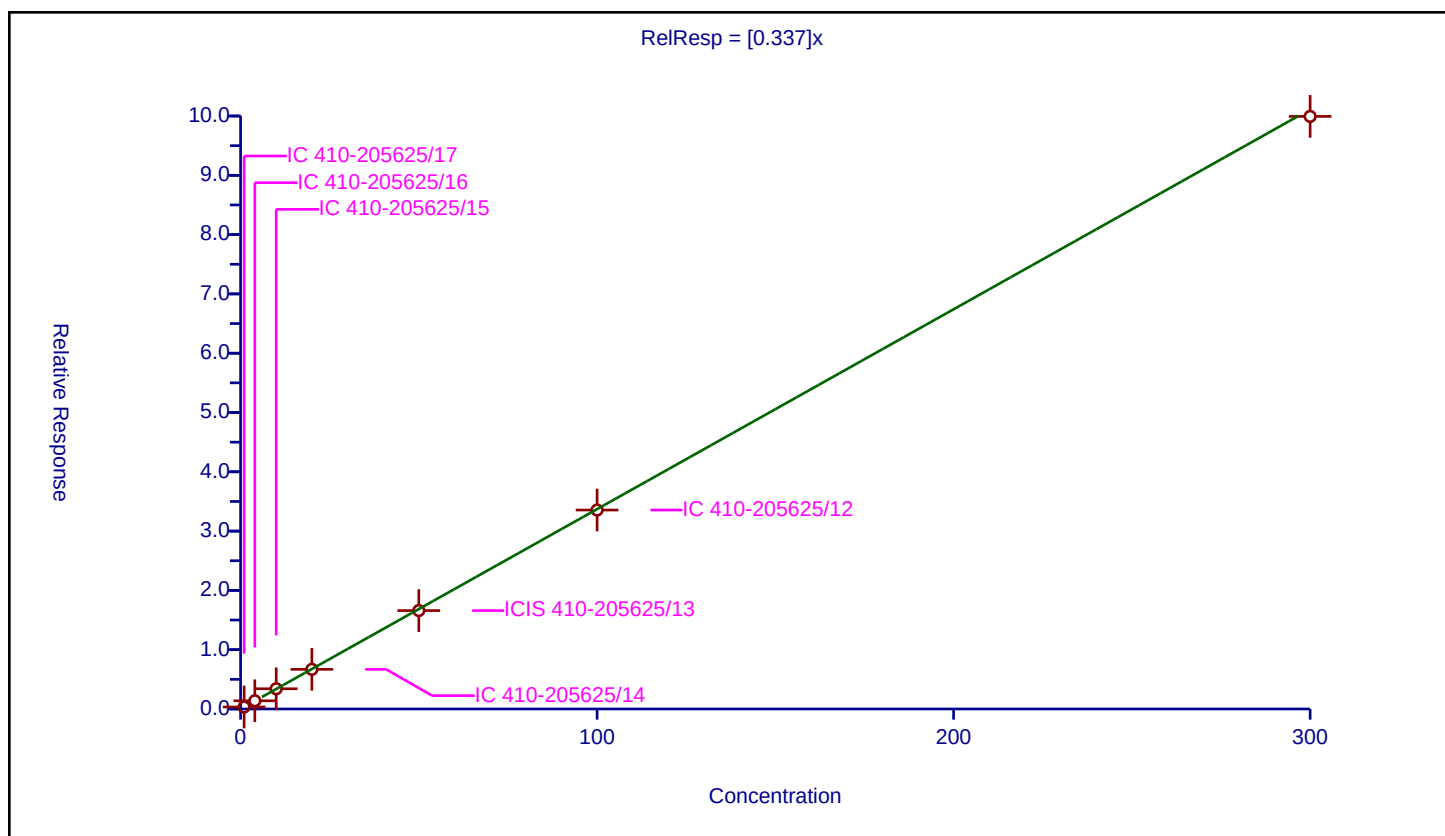
Curve Coefficients

Intercept: 0
 Slope: 0.337

Error Coefficients

Standard Error: 1060000
 Relative Standard Error: 1.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.337662	50.0	1168328.0	0.337662	Y
2	IC 410-205625/16	4.0	1.381977	50.0	1191264.0	0.345494	Y
3	IC 410-205625/15	10.0	3.41301	50.0	1184072.0	0.341301	Y
4	IC 410-205625/14	20.0	6.685864	50.0	1187842.0	0.334293	Y
5	ICIS 410-205625/13	50.0	16.596229	50.0	1182847.0	0.331925	Y
6	IC 410-205625/12	100.0	33.549313	50.0	1200810.0	0.335493	Y
7	IC 410-205625/11	300.0	99.933117	50.0	1211810.0	0.33311	Y



Calibration

/ 2-ethoxy-2-methyl butane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

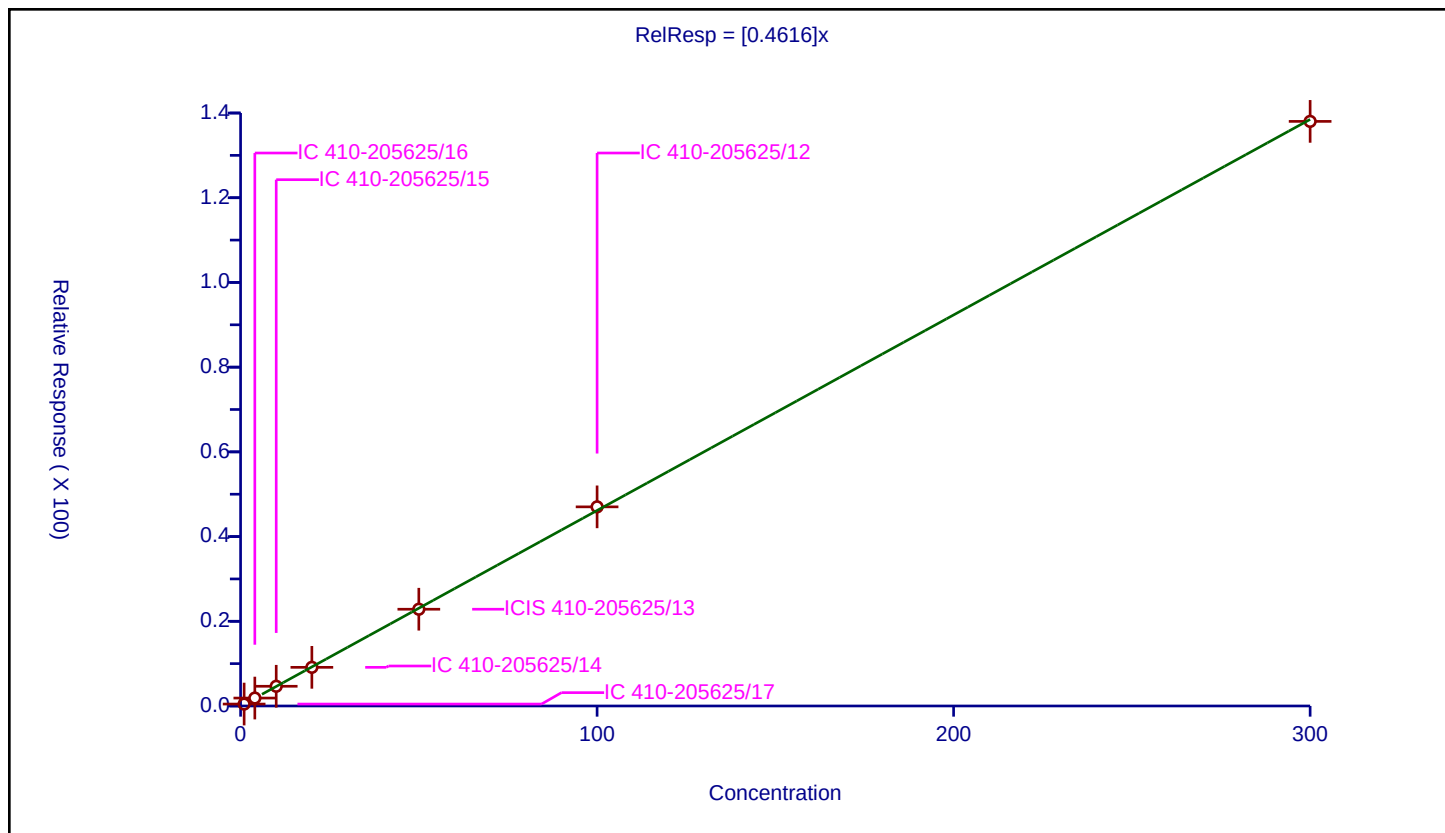
Curve Coefficients

Intercept: 0
 Slope: 0.4616

Error Coefficients

Standard Error: 1460000
 Relative Standard Error: 1.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.454282	50.0	1168328.0	0.454282	Y
2	IC 410-205625/16	4.0	1.872969	50.0	1191264.0	0.468242	Y
3	IC 410-205625/15	10.0	4.654911	50.0	1184072.0	0.465491	Y
4	IC 410-205625/14	20.0	9.127182	50.0	1187842.0	0.456359	Y
5	ICIS 410-205625/13	50.0	22.841923	50.0	1182847.0	0.456838	Y
6	IC 410-205625/12	100.0	47.015348	50.0	1200810.0	0.470153	Y
7	IC 410-205625/11	300.0	138.024484	50.0	1211810.0	0.460082	Y



Calibration

/ Dibromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

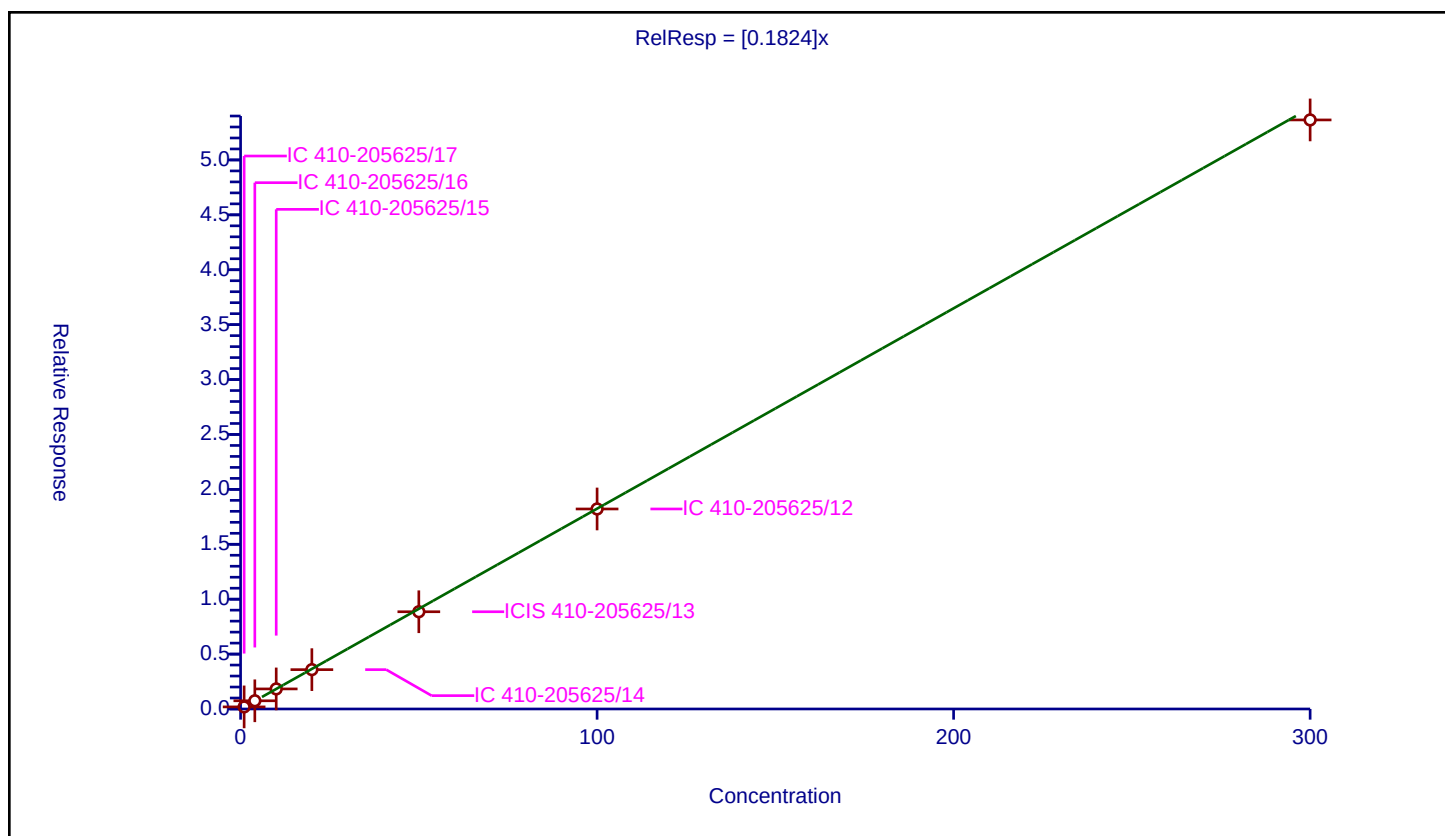
Curve Coefficients

Intercept: 0
 Slope: 0.1824

Error Coefficients

Standard Error: 568000
 Relative Standard Error: 2.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.1904	50.0	1168328.0	0.1904	Y
2	IC 410-205625/16	4.0	0.746938	50.0	1191264.0	0.186734	Y
3	IC 410-205625/15	10.0	1.826578	50.0	1184072.0	0.182658	Y
4	IC 410-205625/14	20.0	3.583179	50.0	1187842.0	0.179159	Y
5	ICIS 410-205625/13	50.0	8.85478	50.0	1182847.0	0.177096	Y
6	IC 410-205625/12	100.0	18.215579	50.0	1200810.0	0.182156	Y
7	IC 410-205625/11	300.0	53.643723	50.0	1211810.0	0.178812	Y



Calibration

/ 1,4-Dioxane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

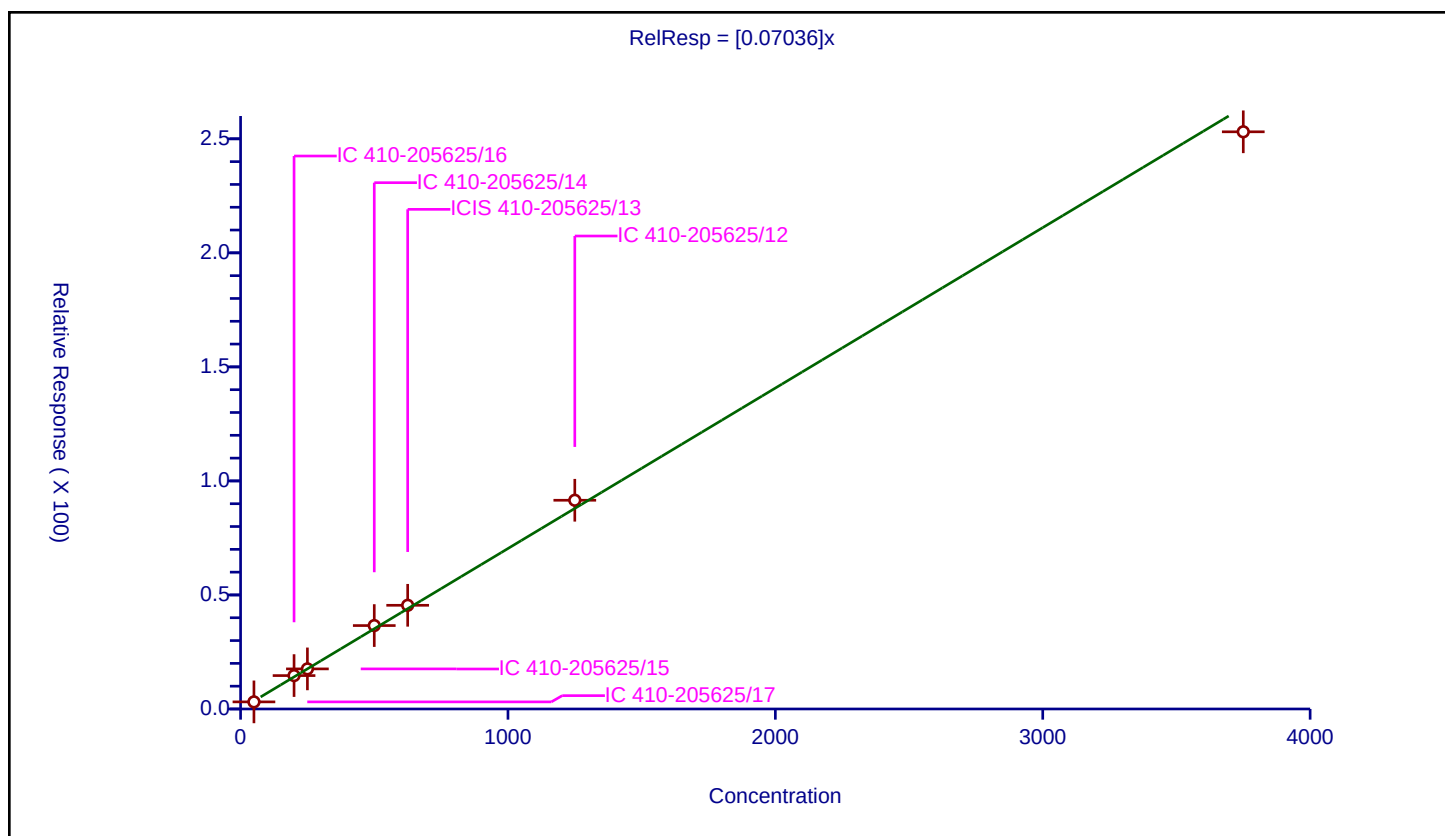
Curve Coefficients

Intercept: 0
Slope: 0.07036

Error Coefficients

Standard Error: 159000
Relative Standard Error: 5.9
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	50.0	3.114593	250.0	389778.0	0.062292	Y
2	IC 410-205625/16	200.0	14.650623	250.0	374967.0	0.073253	Y
3	IC 410-205625/15	250.0	17.581036	250.0	391217.0	0.070324	Y
4	IC 410-205625/14	500.0	36.585655	250.0	379944.0	0.073171	Y
5	ICIS 410-205625/13	625.0	45.464987	250.0	372193.0	0.072744	Y
6	IC 410-205625/12	1250.0	91.523181	250.0	355552.0	0.073219	Y
7	IC 410-205625/11	3750.0	253.082312	250.0	349413.0	0.067489	Y



Calibration

/ Methyl methacrylate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

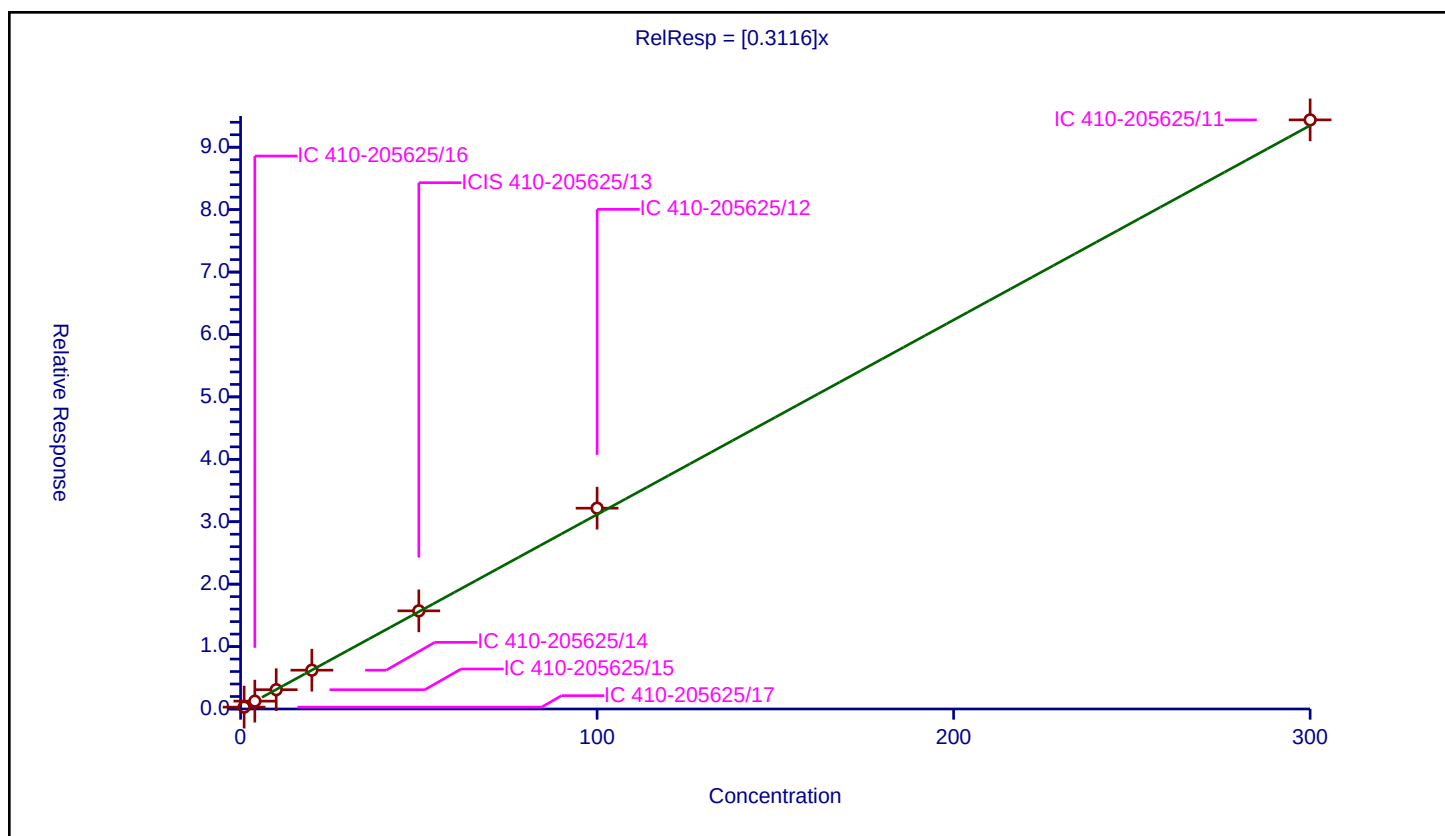
Curve Coefficients

Intercept: 0
 Slope: 0.3116

Error Coefficients

Standard Error: 1000000
 Relative Standard Error: 2.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.296449	50.0	1168328.0	0.296449	Y
2	IC 410-205625/16	4.0	1.256187	50.0	1191264.0	0.314047	Y
3	IC 410-205625/15	10.0	3.090817	50.0	1184072.0	0.309082	Y
4	IC 410-205625/14	20.0	6.218841	50.0	1187842.0	0.310942	Y
5	ICIS 410-205625/13	50.0	15.723293	50.0	1182847.0	0.314466	Y
6	IC 410-205625/12	100.0	32.170285	50.0	1200810.0	0.321703	Y
7	IC 410-205625/11	300.0	94.38039	50.0	1211810.0	0.314601	Y



Calibration

/ Dichlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

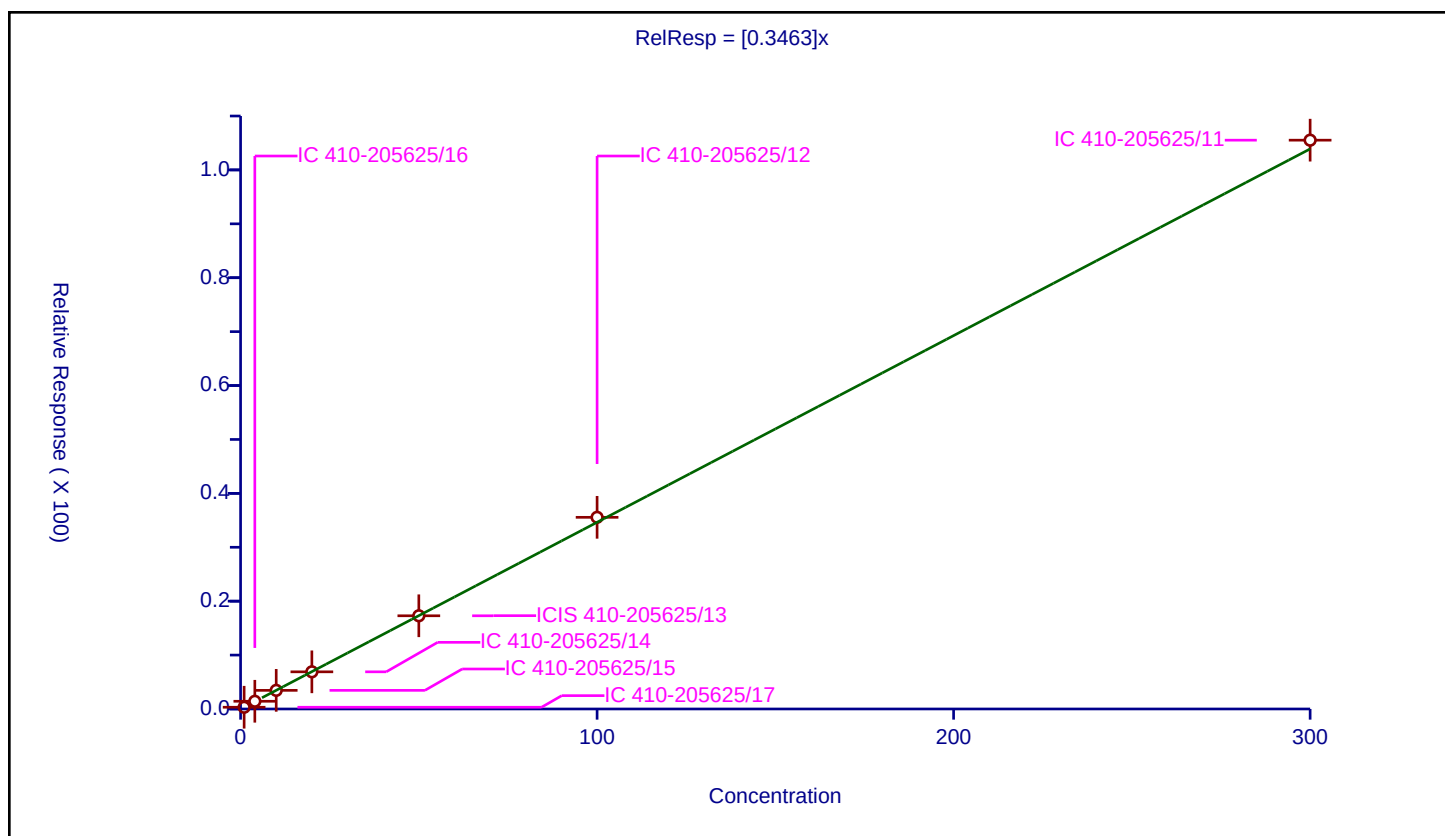
Curve Coefficients

Intercept: 0
Slope: 0.3463

Error Coefficients

Standard Error: 1120000
Relative Standard Error: 3.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.323283	50.0	1168328.0	0.323283	Y
2	IC 410-205625/16	4.0	1.431337	50.0	1191264.0	0.357834	Y
3	IC 410-205625/15	10.0	3.45376	50.0	1184072.0	0.345376	Y
4	IC 410-205625/14	20.0	6.894562	50.0	1187842.0	0.344728	Y
5	ICIS 410-205625/13	50.0	17.289345	50.0	1182847.0	0.345787	Y
6	IC 410-205625/12	100.0	35.554834	50.0	1200810.0	0.355548	Y
7	IC 410-205625/11	300.0	105.517449	50.0	1211810.0	0.351725	Y



Calibration

/ 2-Nitropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

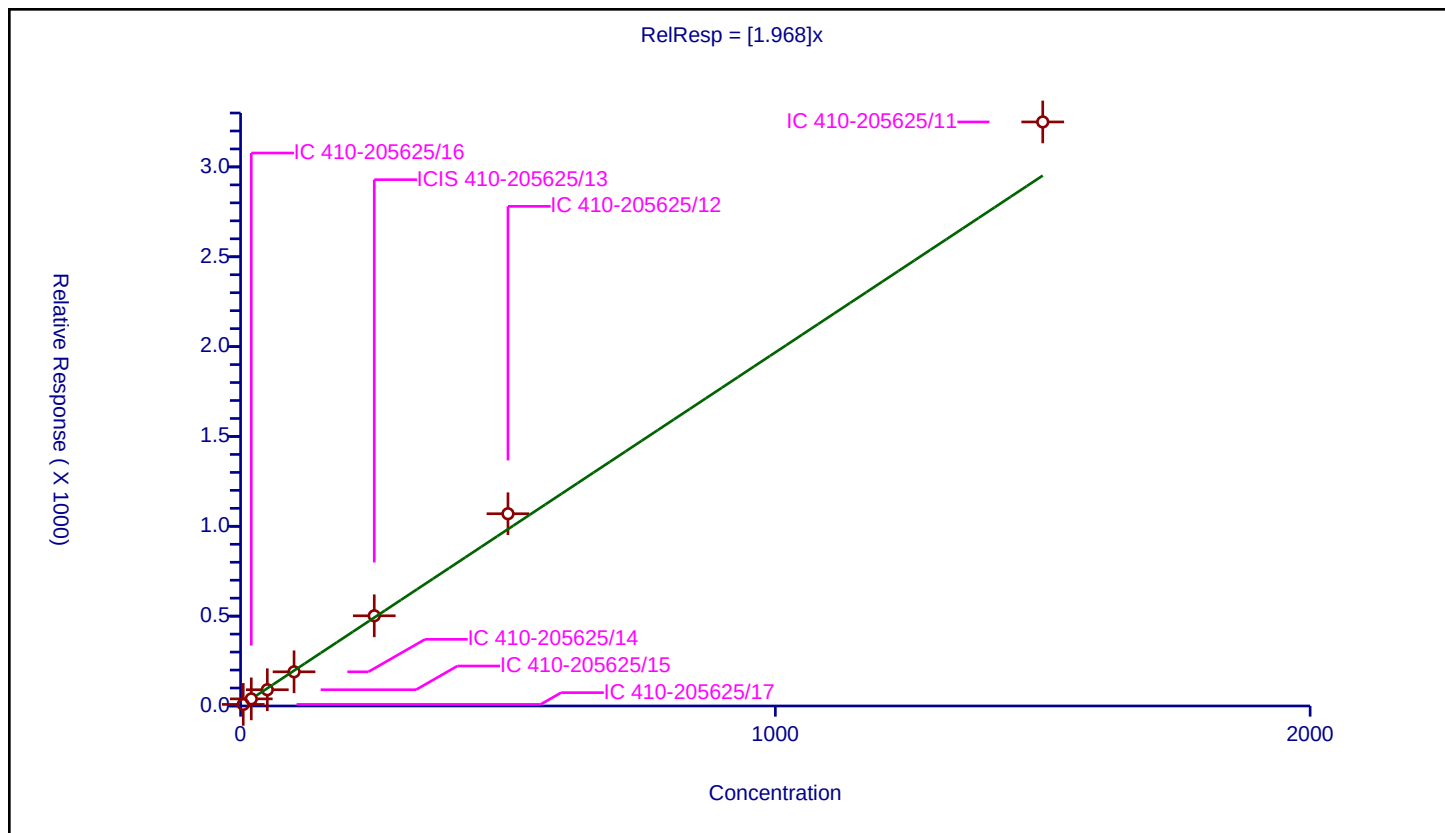
Curve Coefficients

Intercept: 0
Slope: 1.968

Error Coefficients

Standard Error: 1980000
Relative Standard Error: 7.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	5.0	8.875565	250.0	389778.0	1.775113	Y
2	IC 410-205625/16	20.0	39.512144	250.0	374967.0	1.975607	Y
3	IC 410-205625/15	50.0	90.440216	250.0	391217.0	1.808804	Y
4	IC 410-205625/14	100.0	190.147759	250.0	379944.0	1.901478	Y
5	ICIS 410-205625/13	250.0	501.921046	250.0	372193.0	2.007684	Y
6	IC 410-205625/12	500.0	1069.981325	250.0	355552.0	2.139963	Y
7	IC 410-205625/11	1500.0	3250.346295	250.0	349413.0	2.166898	Y



Calibration

/ 2-Chloroethyl vinyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

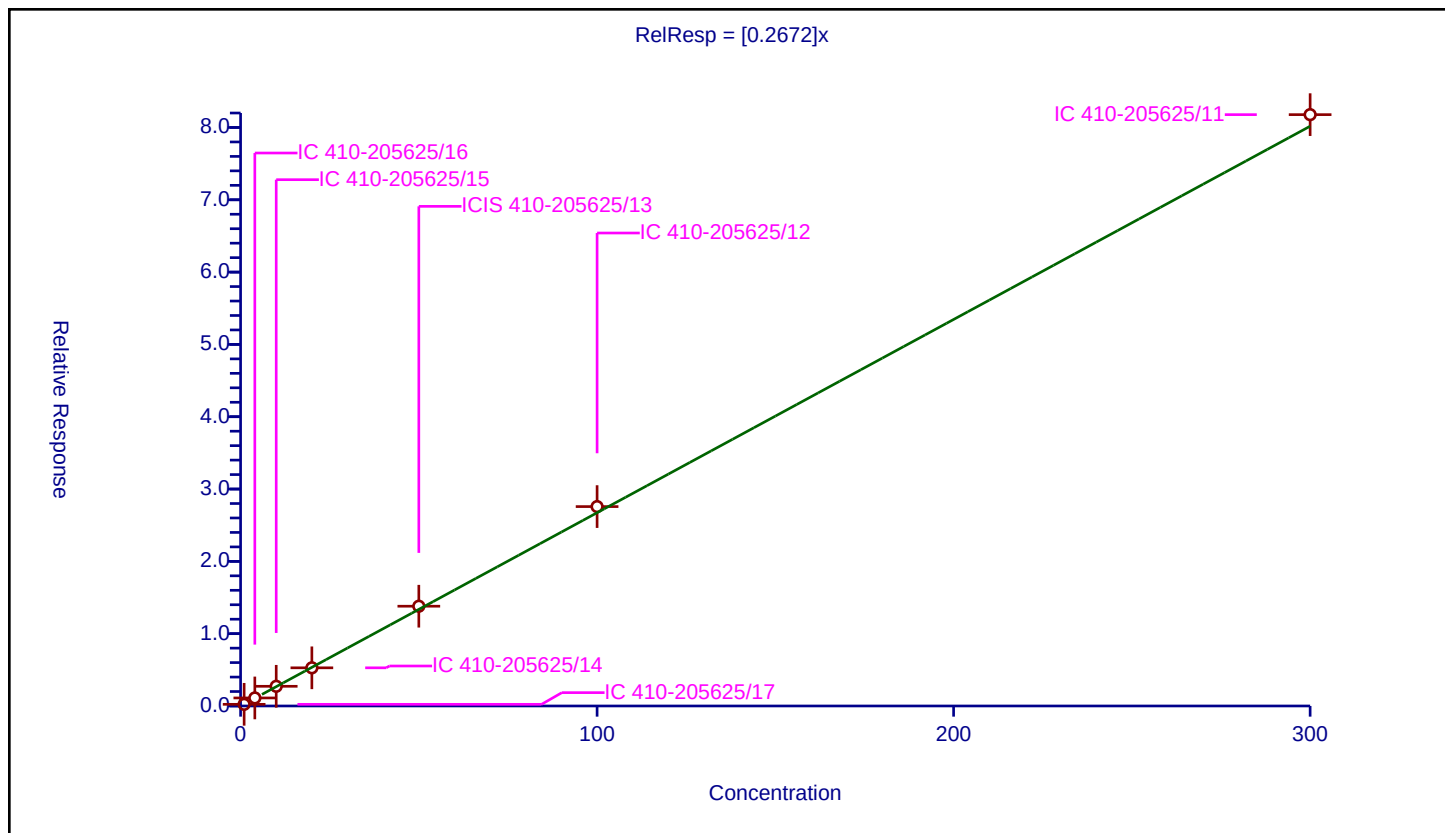
Curve Coefficients

Intercept: 0
Slope: 0.2672

Error Coefficients

Standard Error: 865000
Relative Standard Error: 6.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.232255	50.0	1168328.0	0.232255	Y
2	IC 410-205625/16	4.0	1.11239	50.0	1191264.0	0.278097	Y
3	IC 410-205625/15	10.0	2.722174	50.0	1184072.0	0.272217	Y
4	IC 410-205625/14	20.0	5.278522	50.0	1187842.0	0.263926	Y
5	ICIS 410-205625/13	50.0	13.795613	50.0	1182847.0	0.275912	Y
6	IC 410-205625/12	100.0	27.57343	50.0	1200810.0	0.275734	Y
7	IC 410-205625/11	300.0	81.773587	50.0	1211810.0	0.272579	Y



Calibration

/ cis-1,3-Dichloropropene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

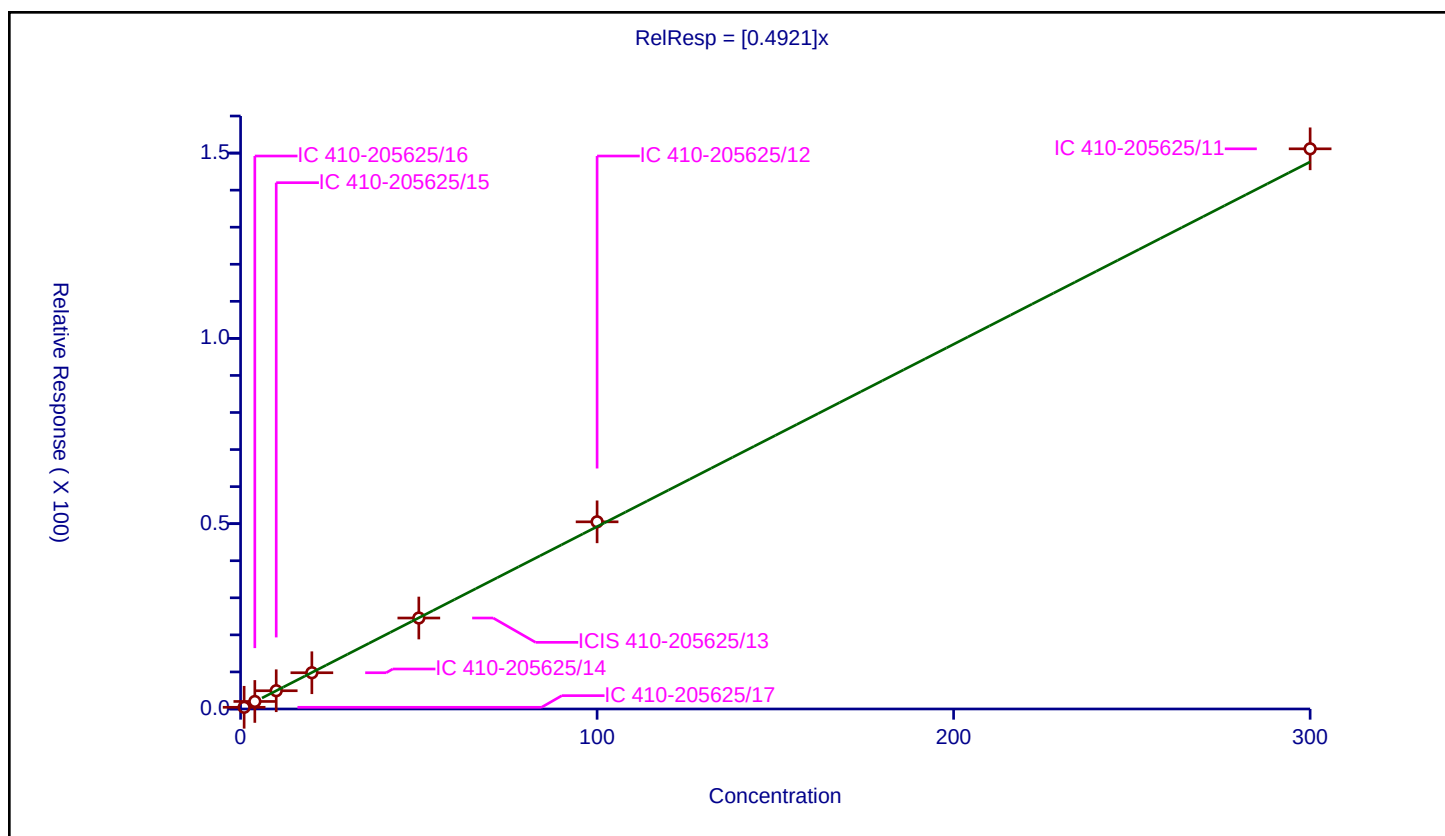
Curve Coefficients

Intercept: 0
Slope: 0.4921

Error Coefficients

Standard Error: 1600000
Relative Standard Error: 3.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.454752	50.0	1168328.0	0.454752	Y
2	IC 410-205625/16	4.0	2.03452	50.0	1191264.0	0.50863	Y
3	IC 410-205625/15	10.0	4.9228	50.0	1184072.0	0.49228	Y
4	IC 410-205625/14	20.0	9.78152	50.0	1187842.0	0.489076	Y
5	ICIS 410-205625/13	50.0	24.549075	50.0	1182847.0	0.490982	Y
6	IC 410-205625/12	100.0	50.50137	50.0	1200810.0	0.505014	Y
7	IC 410-205625/11	300.0	151.14985	50.0	1211810.0	0.503833	Y



Calibration

/ 4-Methyl-2-pentanone (MIBK)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

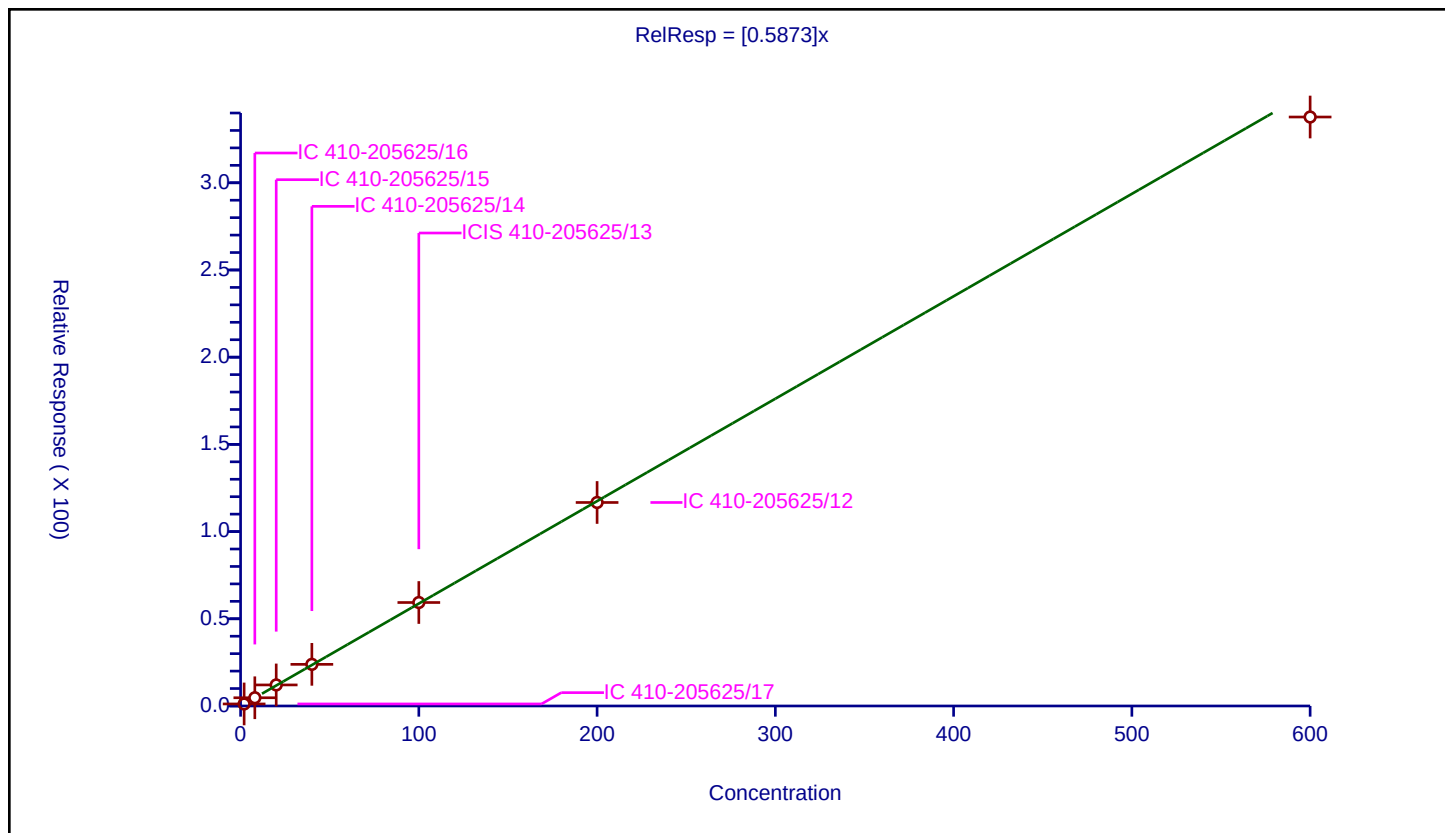
Curve Coefficients

Intercept: 0
 Slope: 0.5873

Error Coefficients

Standard Error: 3590000
 Relative Standard Error: 2.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	2.0	1.16457	50.0	1168328.0	0.582285	Y
2	IC 410-205625/16	8.0	4.711844	50.0	1191264.0	0.58898	Y
3	IC 410-205625/15	20.0	12.066243	50.0	1184072.0	0.603312	Y
4	IC 410-205625/14	40.0	23.871567	50.0	1187842.0	0.596789	Y
5	ICIS 410-205625/13	100.0	59.335146	50.0	1182847.0	0.593351	Y
6	IC 410-205625/12	200.0	116.681615	50.0	1200810.0	0.583408	Y
7	IC 410-205625/11	600.0	337.708923	50.0	1211810.0	0.562848	Y



Calibration

/ Toluene-d8 (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

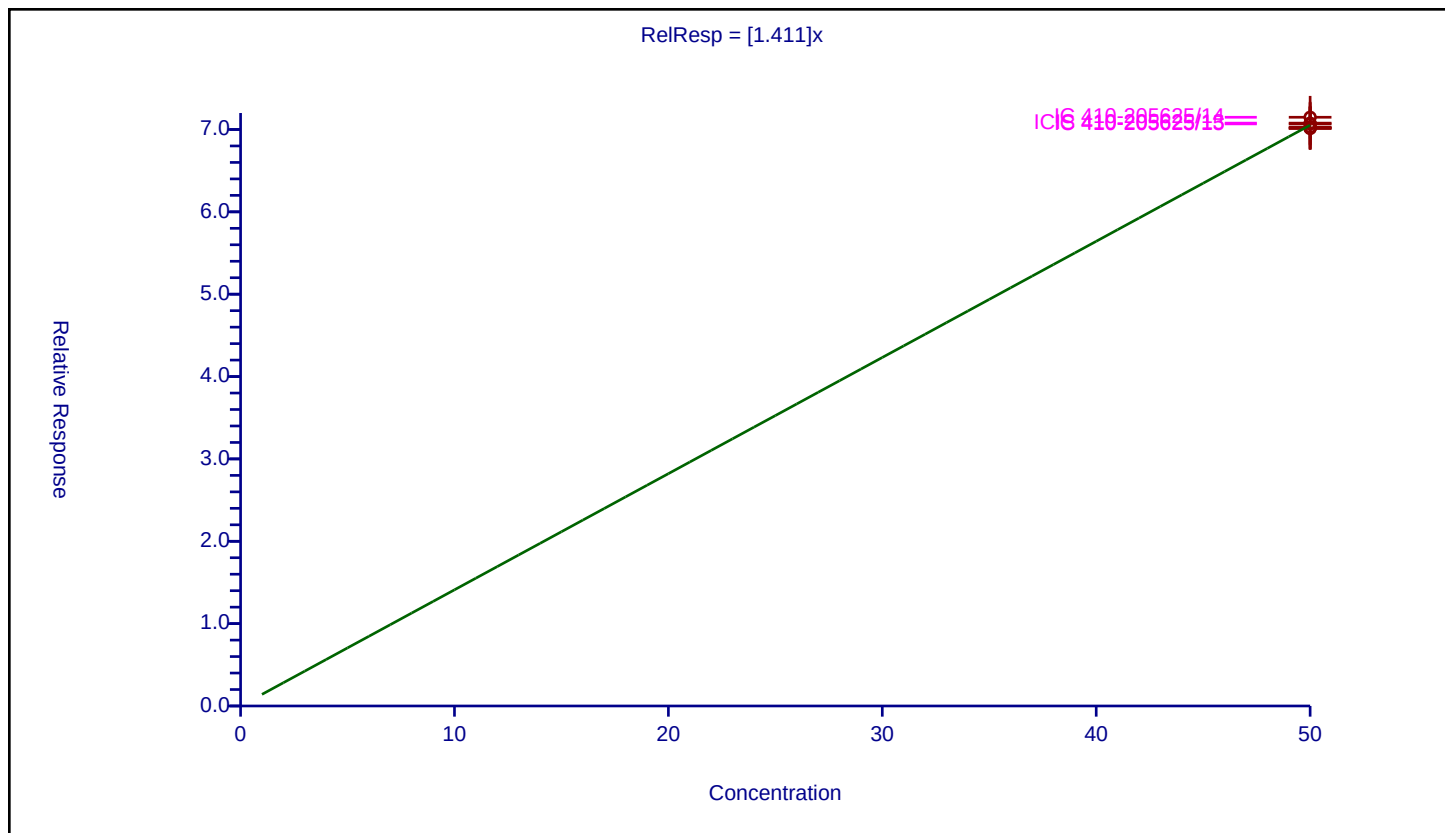
Curve Coefficients

Intercept: 0
Slope: 1.411

Error Coefficients

Standard Error: 1320000
Relative Standard Error: 0.7
Correlation Coefficient: NA
Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/11	50.0	70.12273	50.0	895214.0	1.402455	Y
2	IC 410-205625/12	50.0	70.27907	50.0	884365.0	1.405581	Y
3	ICIS 410-205625/13	50.0	70.77281	50.0	855255.0	1.415456	Y
4	IC 410-205625/14	50.0	71.486005	50.0	859122.0	1.42972	Y
5	IC 410-205625/15	50.0	70.678678	50.0	860246.0	1.413574	Y
6	IC 410-205625/16	50.0	70.165896	50.0	870487.0	1.403318	Y
7	IC 410-205625/17	50.0	70.192532	50.0	845055.0	1.403851	Y



Calibration

/ Toluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

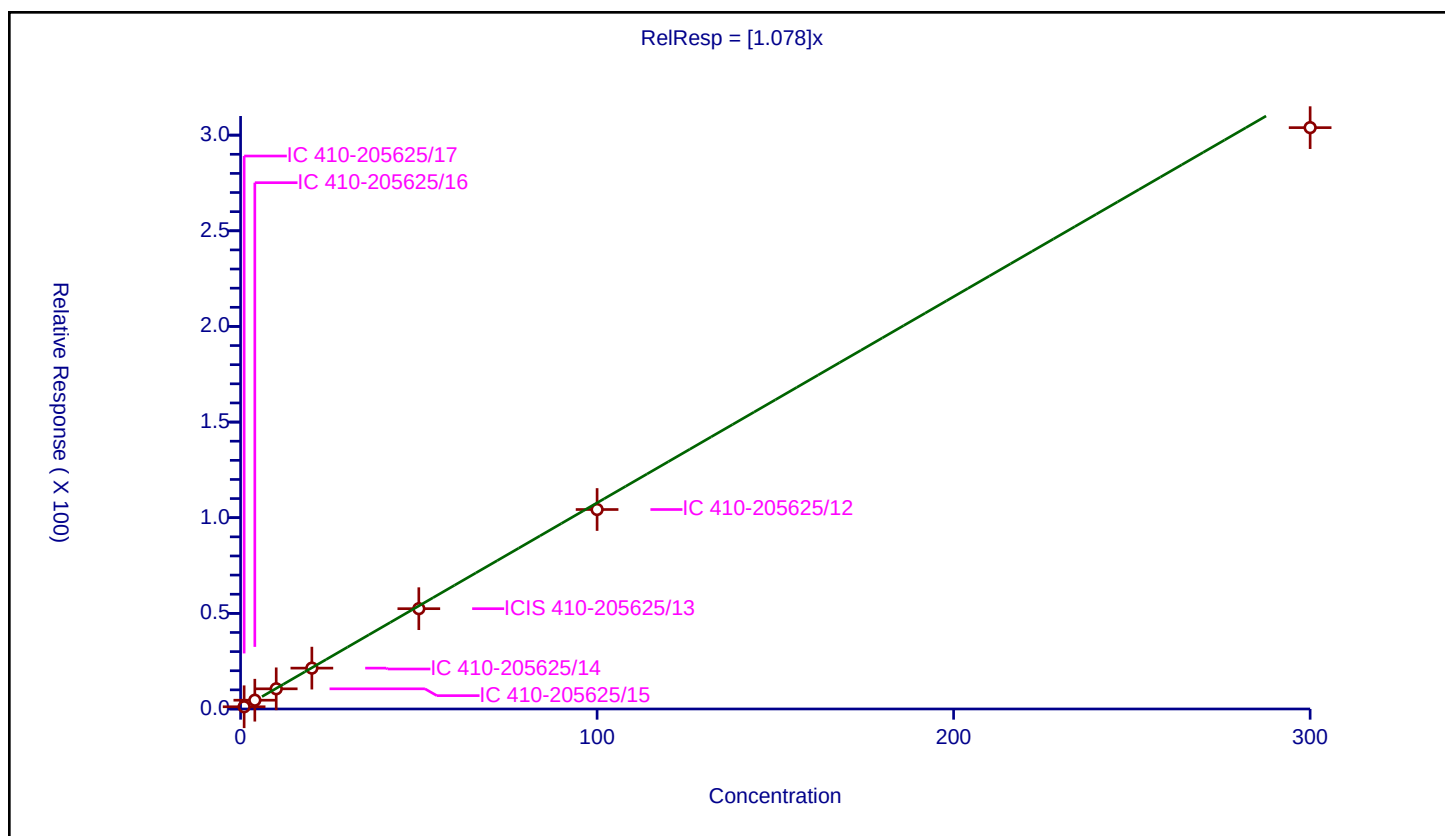
Curve Coefficients

Intercept: 0
Slope: 1.078

Error Coefficients

Standard Error: 2380000
Relative Standard Error: 5.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.1688	50.0	845055.0	1.1688	Y
2	IC 410-205625/16	4.0	4.591051	50.0	870487.0	1.147763	Y
3	IC 410-205625/15	10.0	10.548669	50.0	860246.0	1.054867	Y
4	IC 410-205625/14	20.0	21.357735	50.0	859122.0	1.067887	Y
5	ICIS 410-205625/13	50.0	52.433251	50.0	855255.0	1.048665	Y
6	IC 410-205625/12	100.0	104.283921	50.0	884365.0	1.042839	Y
7	IC 410-205625/11	300.0	303.926938	50.0	895214.0	1.01309	Y



Calibration

/ trans-1,3-Dichloropropene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

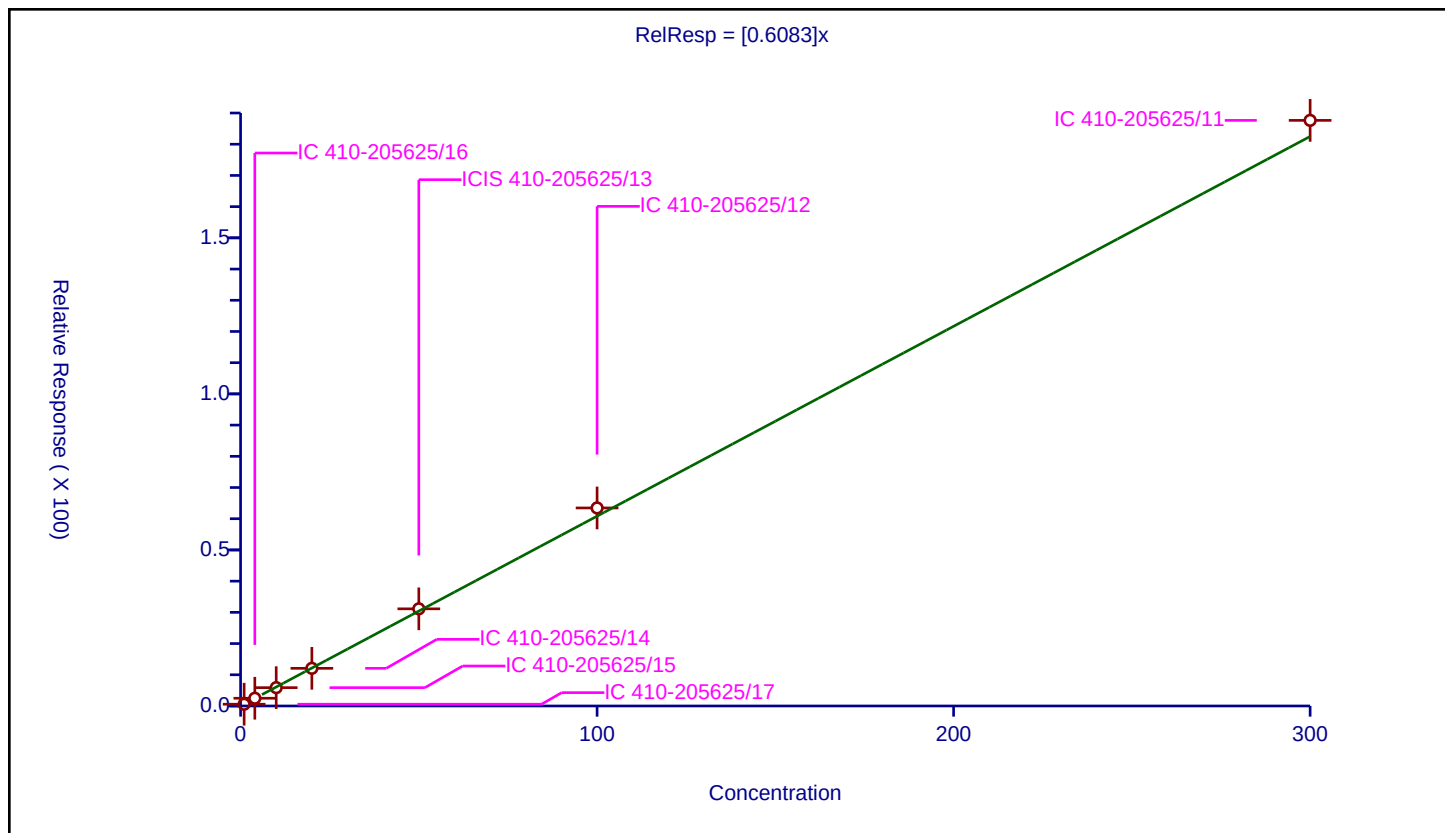
Curve Coefficients

Intercept: 0
Slope: 0.6083

Error Coefficients

Standard Error: 1470000
Relative Standard Error: 4.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.564342	50.0	845055.0	0.564342	Y
2	IC 410-205625/16	4.0	2.48114	50.0	870487.0	0.620285	Y
3	IC 410-205625/15	10.0	5.873552	50.0	860246.0	0.587355	Y
4	IC 410-205625/14	20.0	12.07023	50.0	859122.0	0.603511	Y
5	ICIS 410-205625/13	50.0	31.129137	50.0	855255.0	0.622583	Y
6	IC 410-205625/12	100.0	63.459771	50.0	884365.0	0.634598	Y
7	IC 410-205625/11	300.0	187.641502	50.0	895214.0	0.625472	Y



Calibration

/ Ethyl methacrylate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

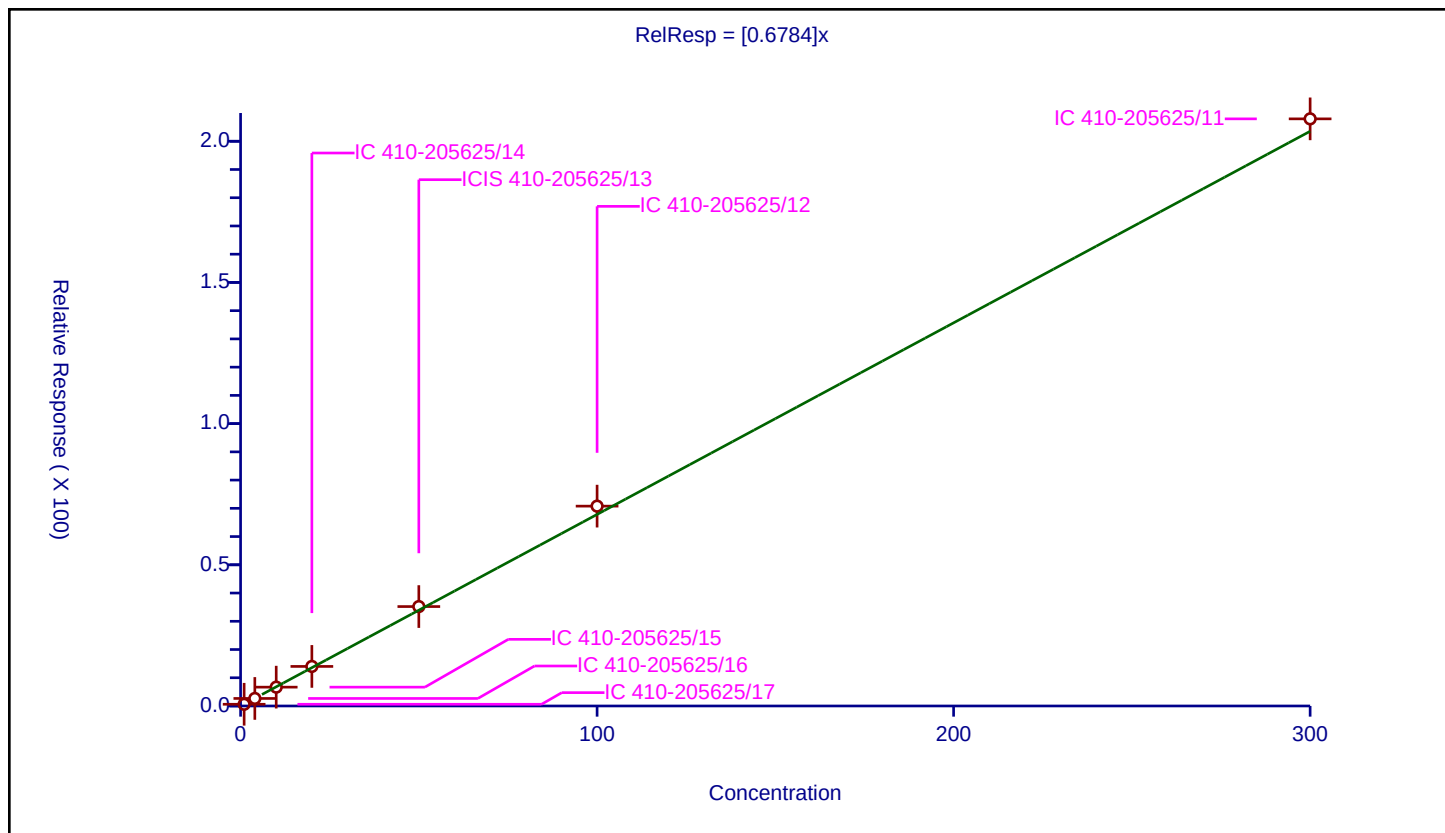
Curve Coefficients

Intercept: 0
Slope: 0.6784

Error Coefficients

Standard Error: 1630000
Relative Standard Error: 5.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.608067	50.0	845055.0	0.608067	Y
2	IC 410-205625/16	4.0	2.672412	50.0	870487.0	0.668103	Y
3	IC 410-205625/15	10.0	6.670301	50.0	860246.0	0.66703	Y
4	IC 410-205625/14	20.0	14.014249	50.0	859122.0	0.700712	Y
5	ICIS 410-205625/13	50.0	35.213124	50.0	855255.0	0.704262	Y
6	IC 410-205625/12	100.0	70.778299	50.0	884365.0	0.707783	Y
7	IC 410-205625/11	300.0	207.935589	50.0	895214.0	0.693119	Y



Calibration

/ 1,1,2-Trichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

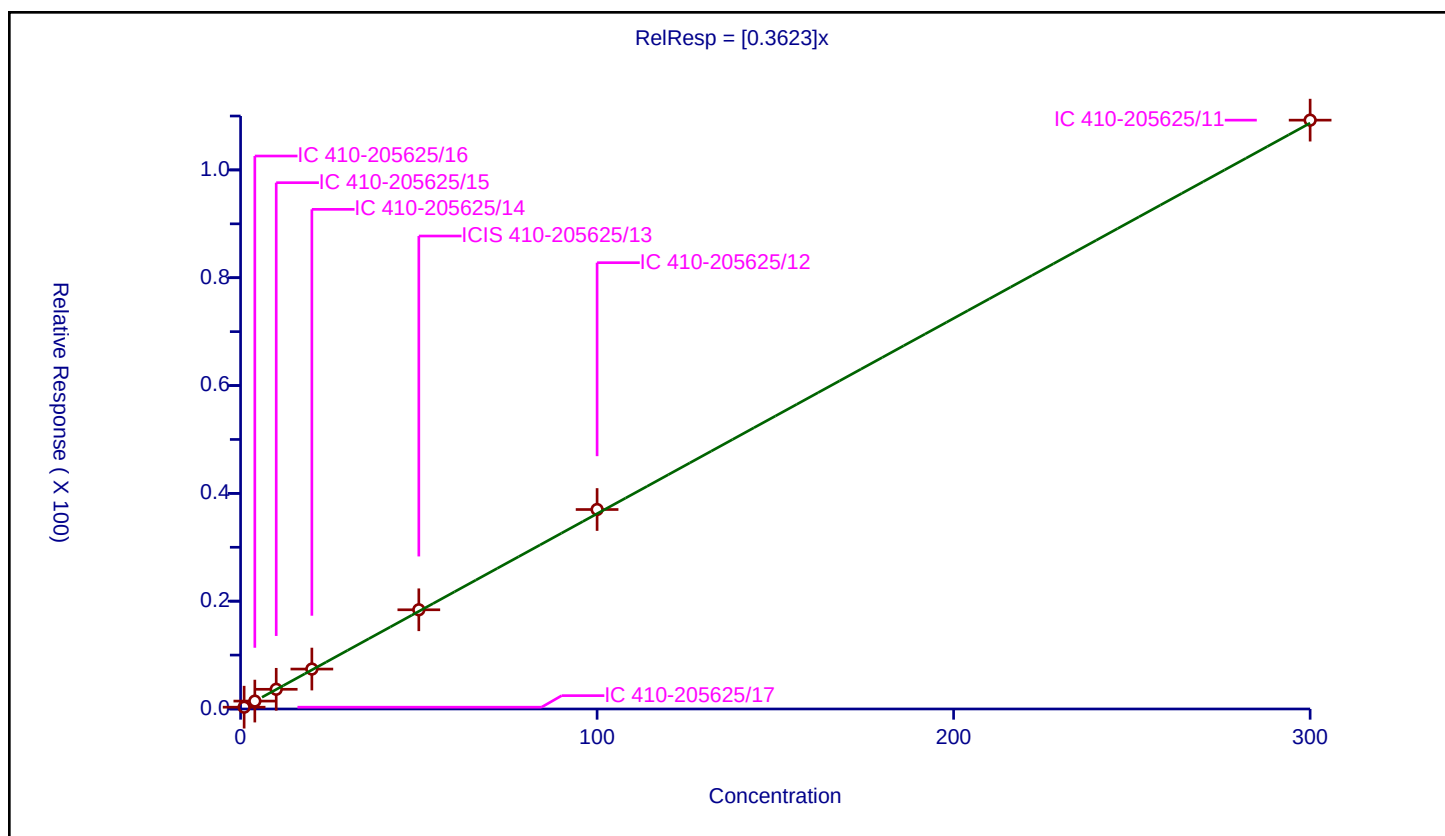
Curve Coefficients

Intercept: 0
Slope: 0.3623

Error Coefficients

Standard Error: 854000
Relative Standard Error: 3.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.331576	50.0	845055.0	0.331576	Y
2	IC 410-205625/16	4.0	1.465501	50.0	870487.0	0.366375	Y
3	IC 410-205625/15	10.0	3.654885	50.0	860246.0	0.365488	Y
4	IC 410-205625/14	20.0	7.407272	50.0	859122.0	0.370364	Y
5	ICIS 410-205625/13	50.0	18.402932	50.0	855255.0	0.368059	Y
6	IC 410-205625/12	100.0	37.005705	50.0	884365.0	0.370057	Y
7	IC 410-205625/11	300.0	109.230977	50.0	895214.0	0.364103	Y



Calibration

/ Tetrachloroethene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

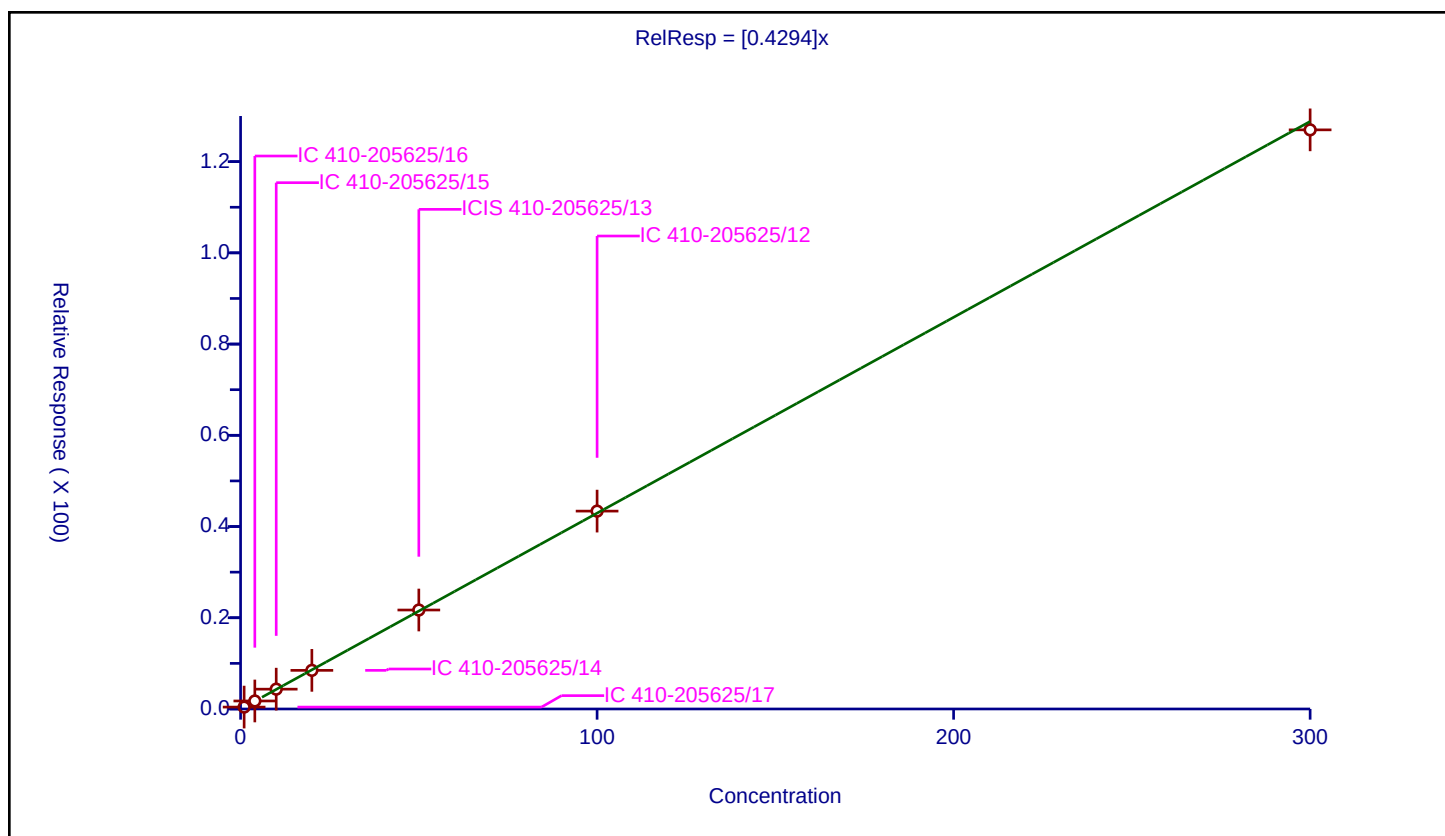
Curve Coefficients

Intercept: 0
 Slope: 0.4294

Error Coefficients

Standard Error: 993000
 Relative Standard Error: 1.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.417073	50.0	845055.0	0.417073	Y
2	IC 410-205625/16	4.0	1.756603	50.0	870487.0	0.439151	Y
3	IC 410-205625/15	10.0	4.348059	50.0	860246.0	0.434806	Y
4	IC 410-205625/14	20.0	8.469577	50.0	859122.0	0.423479	Y
5	ICIS 410-205625/13	50.0	21.698792	50.0	855255.0	0.433976	Y
6	IC 410-205625/12	100.0	43.384632	50.0	884365.0	0.433846	Y
7	IC 410-205625/11	300.0	126.963609	50.0	895214.0	0.423212	Y



Calibration

/ 1,3-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

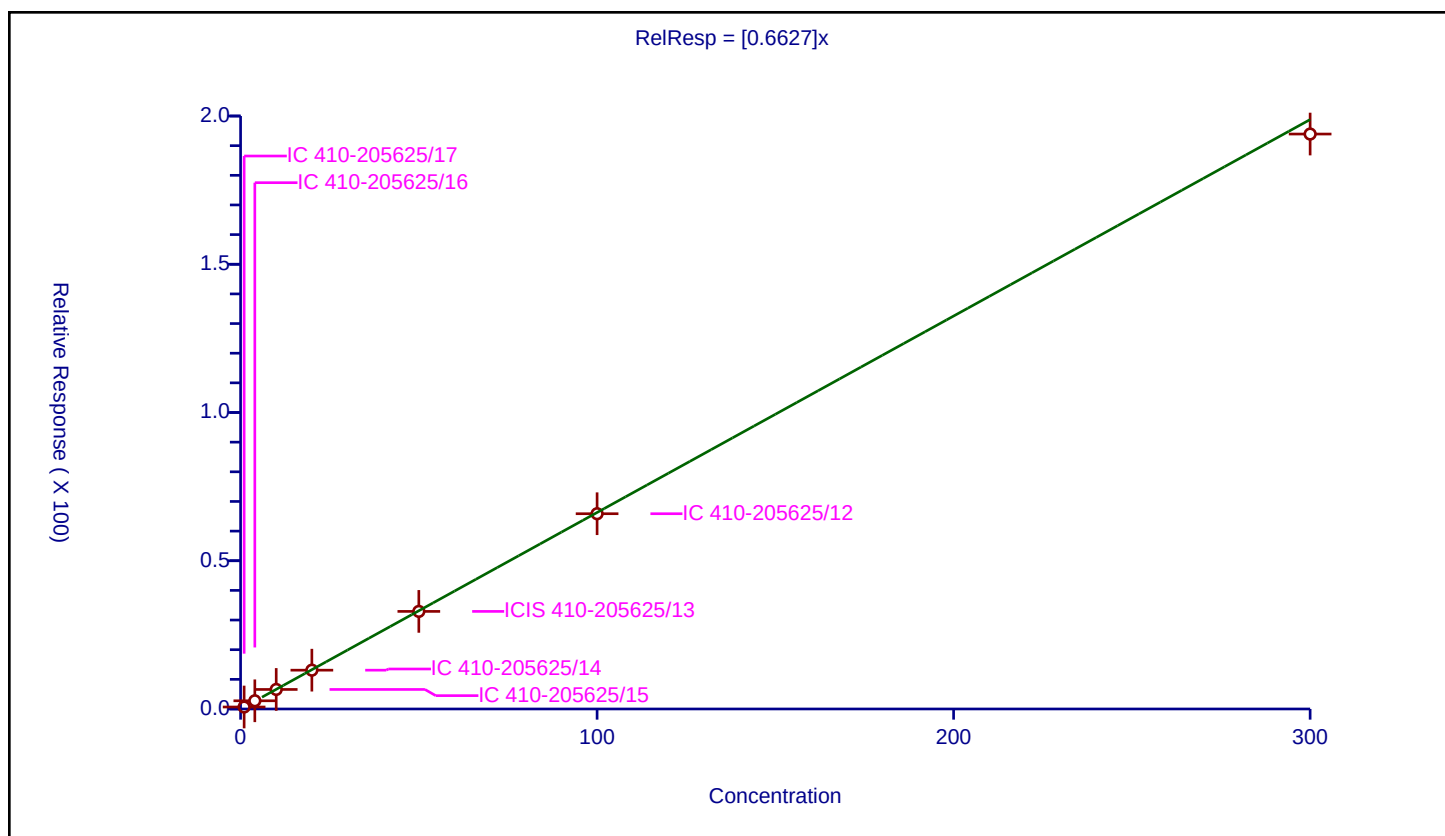
Curve Coefficients

Intercept: 0
Slope: 0.6627

Error Coefficients

Standard Error: 1520000
Relative Standard Error: 2.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.672146	50.0	845055.0	0.672146	Y
2	IC 410-205625/16	4.0	2.761558	50.0	870487.0	0.690389	Y
3	IC 410-205625/15	10.0	6.584338	50.0	860246.0	0.658434	Y
4	IC 410-205625/14	20.0	13.091098	50.0	859122.0	0.654555	Y
5	ICIS 410-205625/13	50.0	32.910769	50.0	855255.0	0.658215	Y
6	IC 410-205625/12	100.0	65.859515	50.0	884365.0	0.658595	Y
7	IC 410-205625/11	300.0	193.92285	50.0	895214.0	0.646409	Y



Calibration

/ 2-Hexanone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

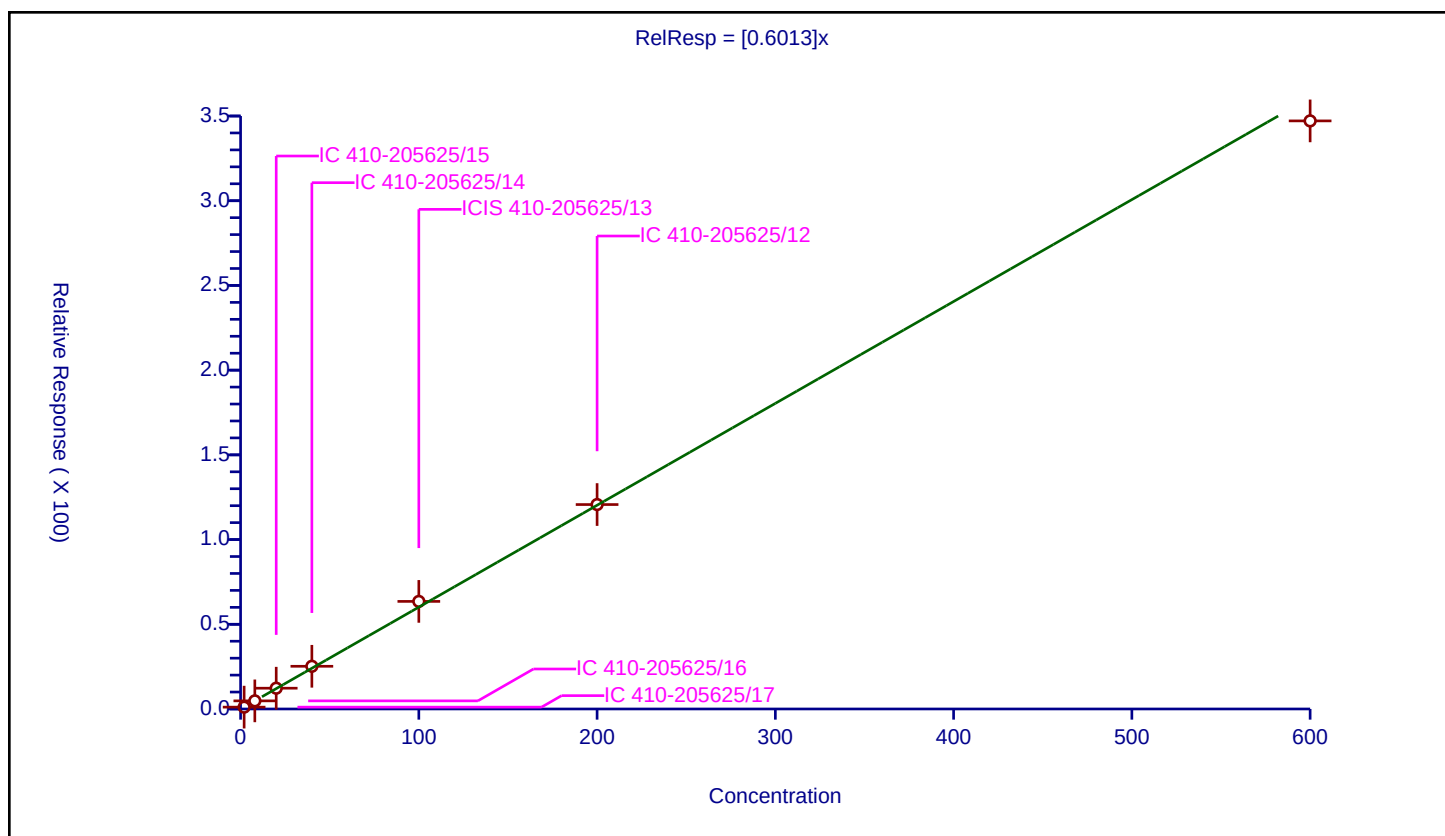
Curve Coefficients

Intercept: 0
 Slope: 0.6013

Error Coefficients

Standard Error: 2730000
 Relative Standard Error: 5.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	2.0	1.096497	50.0	845055.0	0.548248	Y
2	IC 410-205625/16	8.0	4.797659	50.0	870487.0	0.599707	Y
3	IC 410-205625/15	20.0	12.276721	50.0	860246.0	0.613836	Y
4	IC 410-205625/14	40.0	25.213183	50.0	859122.0	0.63033	Y
5	ICIS 410-205625/13	100.0	63.502698	50.0	855255.0	0.635027	Y
6	IC 410-205625/12	200.0	120.666467	50.0	884365.0	0.603332	Y
7	IC 410-205625/11	600.0	347.115606	50.0	895214.0	0.578526	Y



Calibration

/ Chlorodibromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

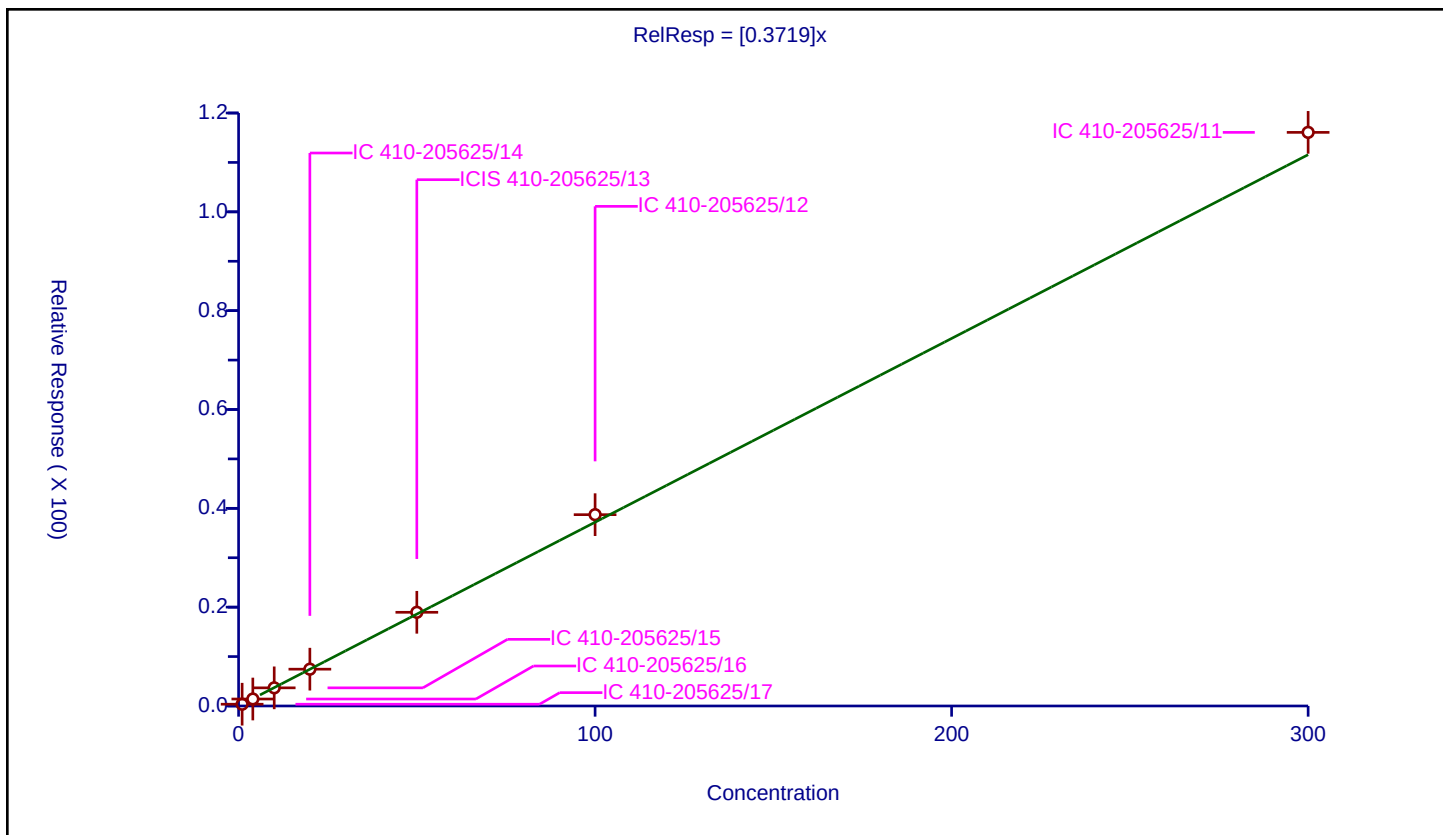
Curve Coefficients

Intercept: 0
 Slope: 0.3719

Error Coefficients

Standard Error: 905000
 Relative Standard Error: 3.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.357787	50.0	845055.0	0.357787	Y
2	IC 410-205625/16	4.0	1.410073	50.0	870487.0	0.352518	Y
3	IC 410-205625/15	10.0	3.67238	50.0	860246.0	0.367238	Y
4	IC 410-205625/14	20.0	7.447953	50.0	859122.0	0.372398	Y
5	ICIS 410-205625/13	50.0	18.958732	50.0	855255.0	0.379175	Y
6	IC 410-205625/12	100.0	38.718685	50.0	884365.0	0.387187	Y
7	IC 410-205625/11	300.0	116.084143	50.0	895214.0	0.386947	Y



Calibration

/ Ethylene Dibromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

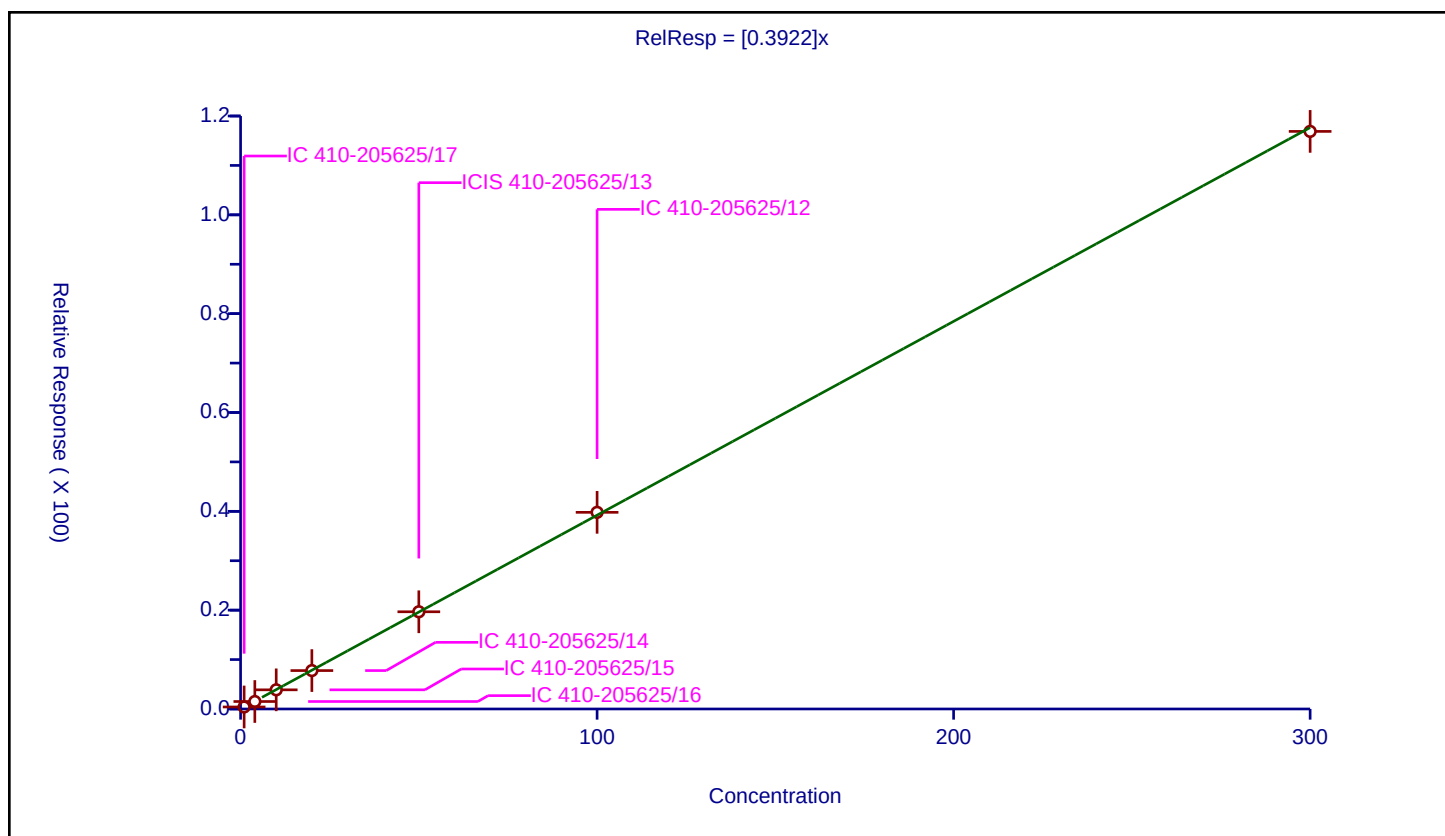
Curve Coefficients

Intercept: 0
Slope: 0.3922

Error Coefficients

Standard Error: 914000
Relative Standard Error: 2.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.409204	50.0	845055.0	0.409204	Y
2	IC 410-205625/16	4.0	1.515301	50.0	870487.0	0.378825	Y
3	IC 410-205625/15	10.0	3.87767	50.0	860246.0	0.387767	Y
4	IC 410-205625/14	20.0	7.772179	50.0	859122.0	0.388609	Y
5	ICIS 410-205625/13	50.0	19.670683	50.0	855255.0	0.393414	Y
6	IC 410-205625/12	100.0	39.796973	50.0	884365.0	0.39797	Y
7	IC 410-205625/11	300.0	116.888811	50.0	895214.0	0.389629	Y



Calibration

/ 1-Chlorohexane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

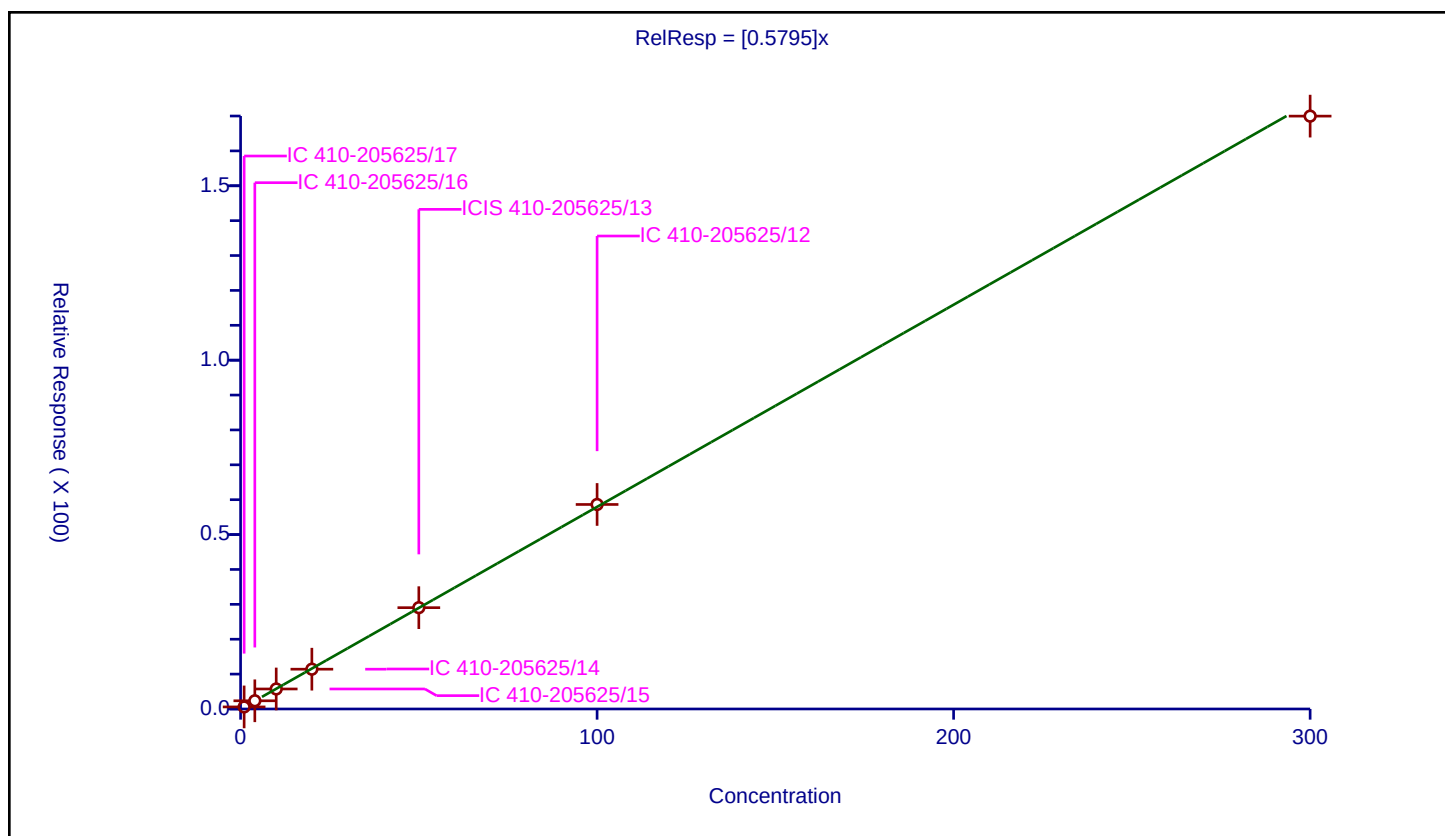
Curve Coefficients

Intercept: 0
 Slope: 0.5795

Error Coefficients

Standard Error: 1330000
 Relative Standard Error: 1.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.589962	50.0	845055.0	0.589962	Y
2	IC 410-205625/16	4.0	2.352878	50.0	870487.0	0.58822	Y
3	IC 410-205625/15	10.0	5.735685	50.0	860246.0	0.573568	Y
4	IC 410-205625/14	20.0	11.412873	50.0	859122.0	0.570644	Y
5	ICIS 410-205625/13	50.0	29.050049	50.0	855255.0	0.581001	Y
6	IC 410-205625/12	100.0	58.63173	50.0	884365.0	0.586317	Y
7	IC 410-205625/11	300.0	169.967404	50.0	895214.0	0.566558	Y



Calibration

/ Chlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

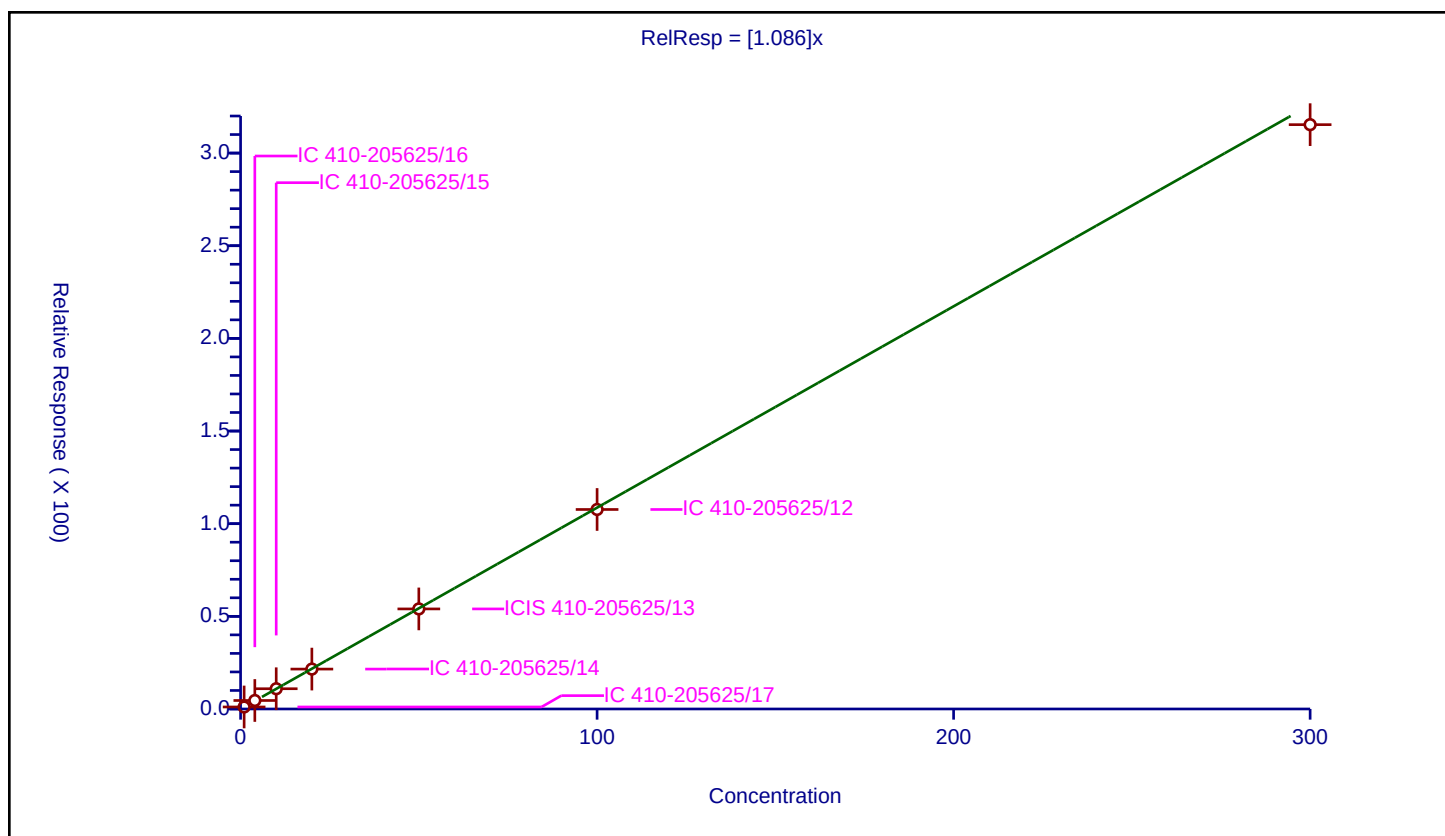
Curve Coefficients

Intercept: 0
 Slope: 1.086

Error Coefficients

Standard Error: 2470000
 Relative Standard Error: 2.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.083006	50.0	845055.0	1.083006	Y
2	IC 410-205625/16	4.0	4.58209	50.0	870487.0	1.145523	Y
3	IC 410-205625/15	10.0	10.922748	50.0	860246.0	1.092275	Y
4	IC 410-205625/14	20.0	21.537861	50.0	859122.0	1.076893	Y
5	ICIS 410-205625/13	50.0	53.996118	50.0	855255.0	1.079922	Y
6	IC 410-205625/12	100.0	107.664539	50.0	884365.0	1.076645	Y
7	IC 410-205625/11	300.0	315.331641	50.0	895214.0	1.051105	Y



Calibration

/ 1,1,1,2-Tetrachloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

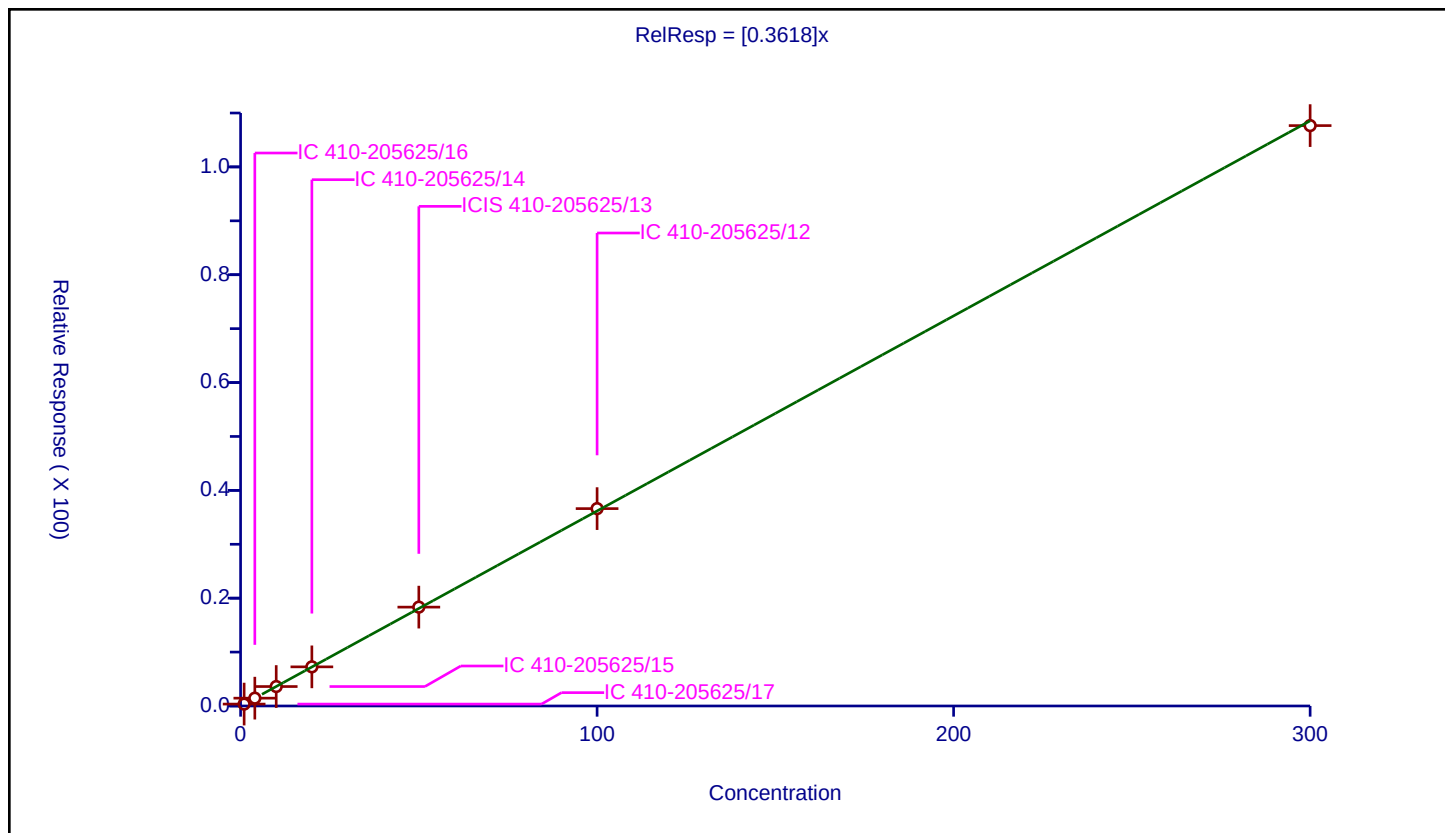
Curve Coefficients

Intercept: 0
Slope: 0.3618

Error Coefficients

Standard Error: 842000
Relative Standard Error: 1.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.353941	50.0	845055.0	0.353941	Y
2	IC 410-205625/16	4.0	1.453095	50.0	870487.0	0.363274	Y
3	IC 410-205625/15	10.0	3.607224	50.0	860246.0	0.360722	Y
4	IC 410-205625/14	20.0	7.260377	50.0	859122.0	0.363019	Y
5	ICIS 410-205625/13	50.0	18.341547	50.0	855255.0	0.366831	Y
6	IC 410-205625/12	100.0	36.615651	50.0	884365.0	0.366157	Y
7	IC 410-205625/11	300.0	107.667217	50.0	895214.0	0.358891	Y



Calibration

/ Ethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

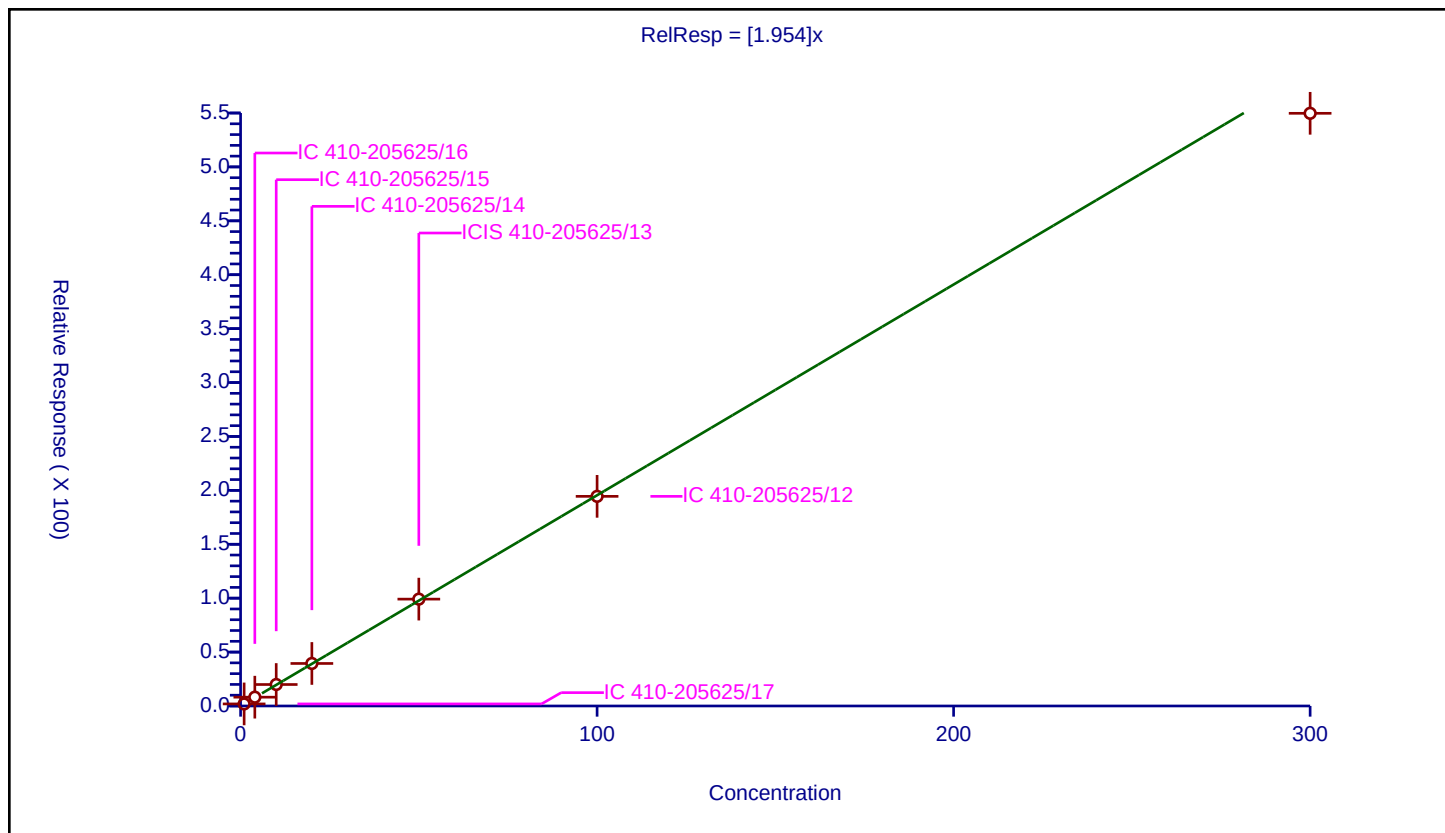
Curve Coefficients

Intercept: 0
 Slope: 1.954

Error Coefficients

Standard Error: 4320000
 Relative Standard Error: 3.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.91455	50.0	845055.0	1.91455	Y
2	IC 410-205625/16	4.0	8.176515	50.0	870487.0	2.044129	Y
3	IC 410-205625/15	10.0	19.917093	50.0	860246.0	1.991709	Y
4	IC 410-205625/14	20.0	39.43788	50.0	859122.0	1.971894	Y
5	ICIS 410-205625/13	50.0	99.115761	50.0	855255.0	1.982315	Y
6	IC 410-205625/12	100.0	194.449351	50.0	884365.0	1.944494	Y
7	IC 410-205625/11	300.0	549.722748	50.0	895214.0	1.832409	Y



Calibration

/ m-Xylene & p-Xylene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

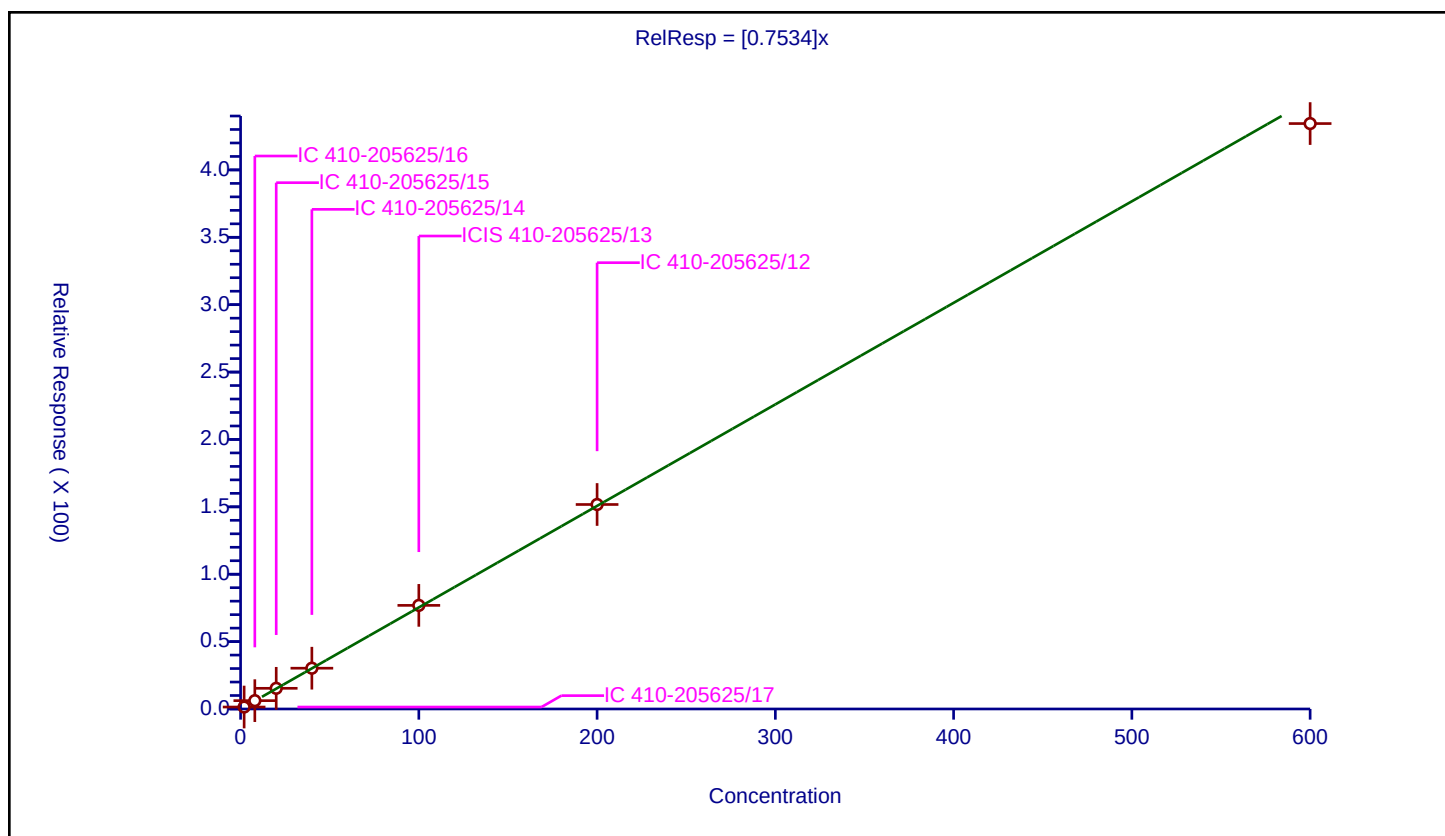
Curve Coefficients

Intercept: 0
 Slope: 0.7534

Error Coefficients

Standard Error: 3410000
 Relative Standard Error: 2.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	2.0	1.452923	50.0	845055.0	0.726462	Y
2	IC 410-205625/16	8.0	6.176026	50.0	870487.0	0.772003	Y
3	IC 410-205625/15	20.0	15.342704	50.0	860246.0	0.767135	Y
4	IC 410-205625/14	40.0	30.271719	50.0	859122.0	0.756793	Y
5	ICIS 410-205625/13	100.0	76.879059	50.0	855255.0	0.768791	Y
6	IC 410-205625/12	200.0	151.735539	50.0	884365.0	0.758678	Y
7	IC 410-205625/11	600.0	434.392838	50.0	895214.0	0.723988	Y



Calibration

/ o-Xylene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

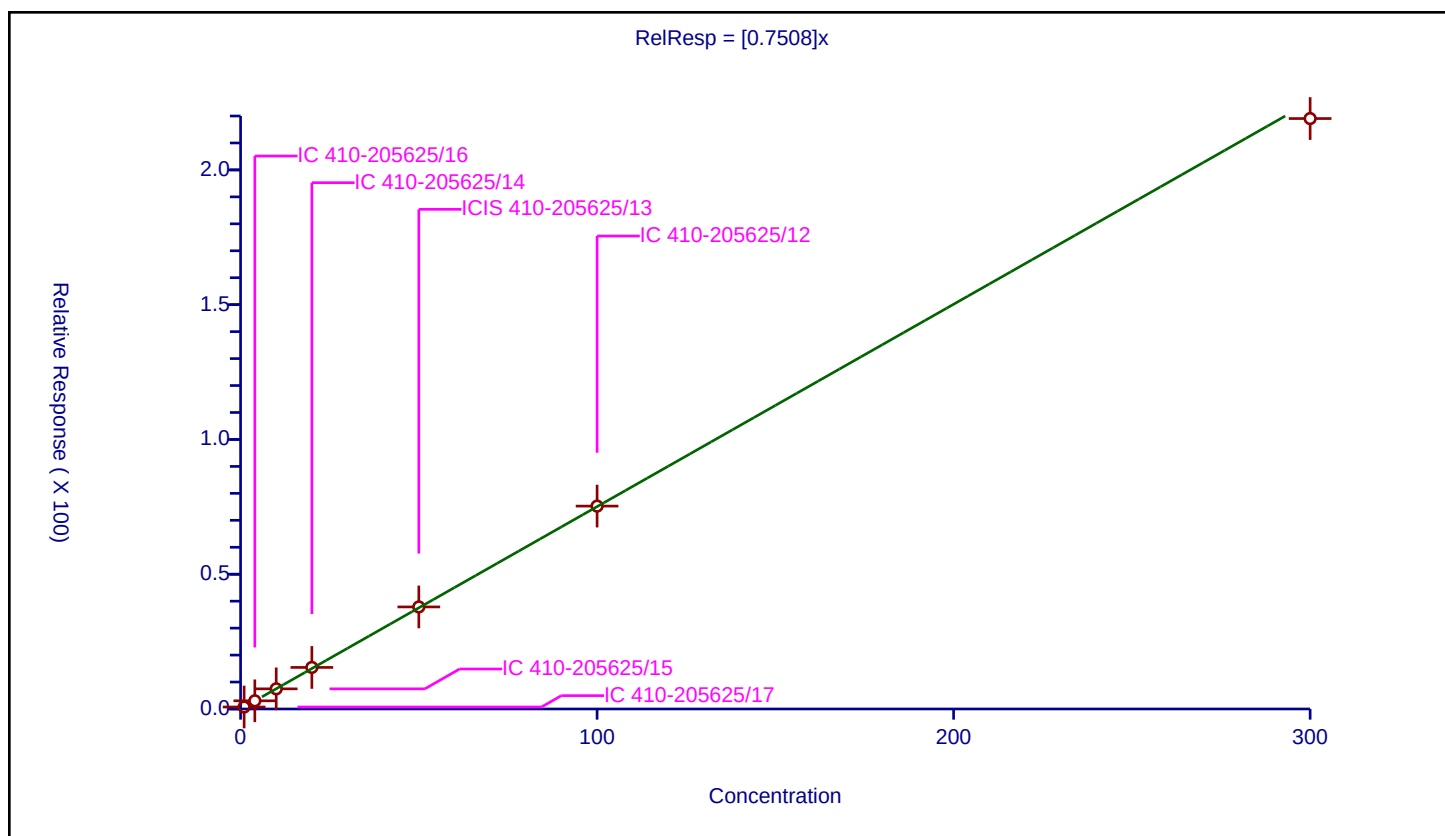
Curve Coefficients

Intercept: 0
Slope: 0.7508

Error Coefficients

Standard Error: 1720000
Relative Standard Error: 1.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.738768	50.0	845055.0	0.738768	Y
2	IC 410-205625/16	4.0	3.033532	50.0	870487.0	0.758383	Y
3	IC 410-205625/15	10.0	7.472921	50.0	860246.0	0.747292	Y
4	IC 410-205625/14	20.0	15.416728	50.0	859122.0	0.770836	Y
5	ICIS 410-205625/13	50.0	37.870927	50.0	855255.0	0.757419	Y
6	IC 410-205625/12	100.0	75.274519	50.0	884365.0	0.752745	Y
7	IC 410-205625/11	300.0	219.056226	50.0	895214.0	0.730187	Y



Calibration

/ Styrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

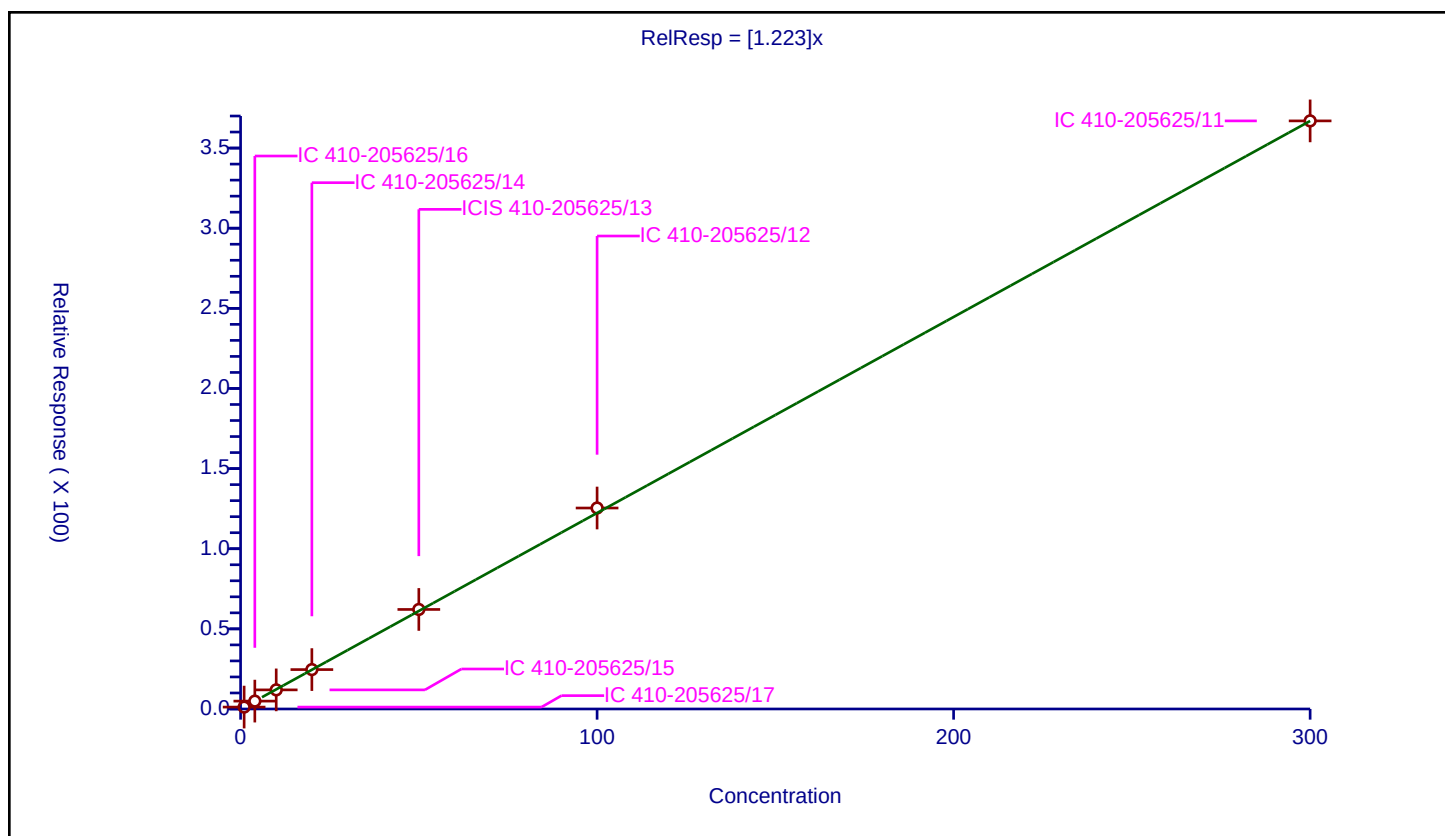
Curve Coefficients

Intercept: 0
 Slope: 1.223

Error Coefficients

Standard Error: 2870000
 Relative Standard Error: 1.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.194242	50.0	845055.0	1.194242	Y
2	IC 410-205625/16	4.0	4.908632	50.0	870487.0	1.227158	Y
3	IC 410-205625/15	10.0	11.91508	50.0	860246.0	1.191508	Y
4	IC 410-205625/14	20.0	24.578058	50.0	859122.0	1.228903	Y
5	ICIS 410-205625/13	50.0	62.105395	50.0	855255.0	1.242108	Y
6	IC 410-205625/12	100.0	125.397828	50.0	884365.0	1.253978	Y
7	IC 410-205625/11	300.0	366.953767	50.0	895214.0	1.223179	Y



Calibration

/ Bromoform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

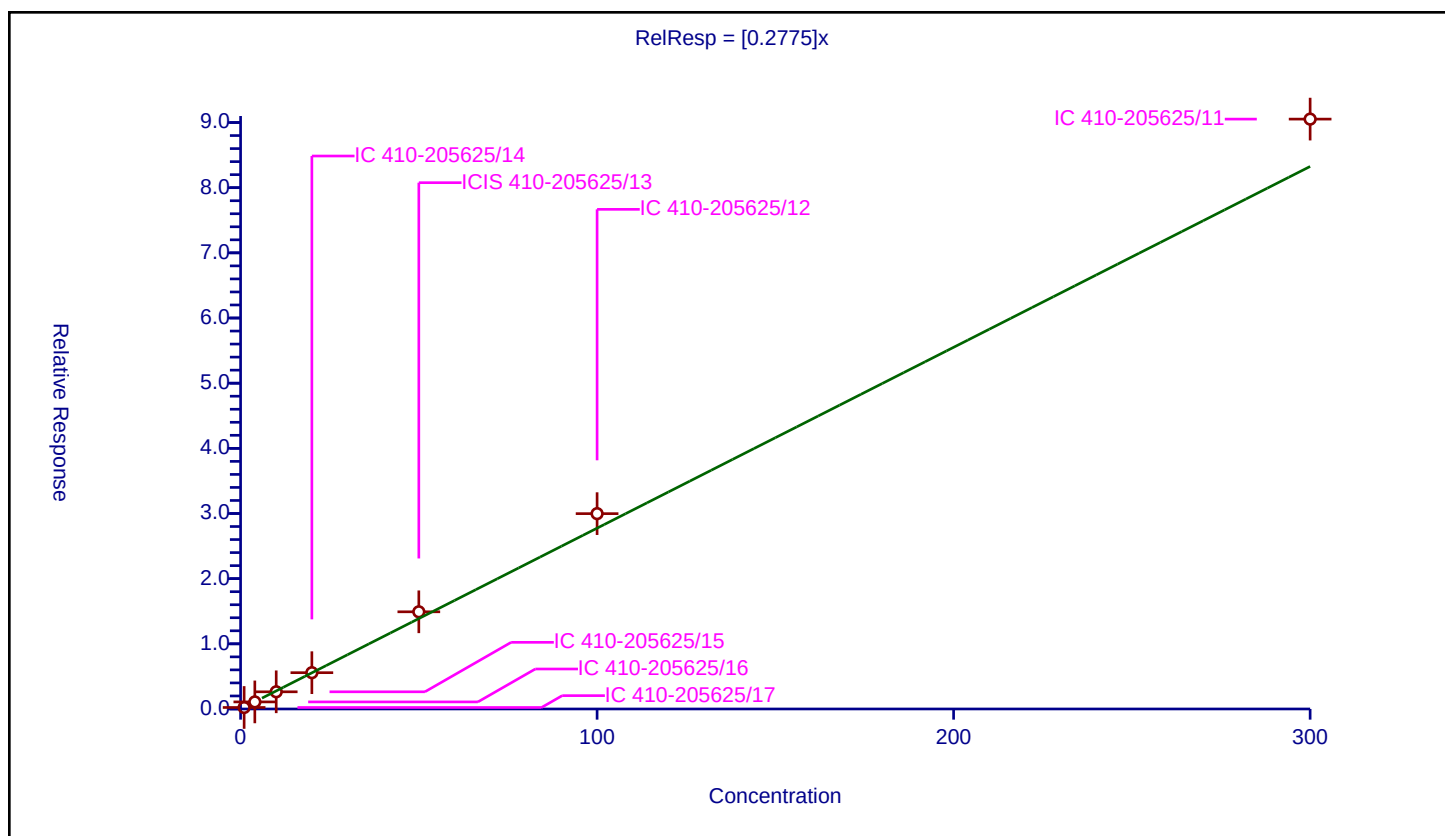
Curve Coefficients

Intercept: 0
Slope: 0.2775

Error Coefficients

Standard Error: 705000
Relative Standard Error: 9.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.229216	50.0	845055.0	0.229216	Y
2	IC 410-205625/16	4.0	1.084623	50.0	870487.0	0.271156	Y
3	IC 410-205625/15	10.0	2.638896	50.0	860246.0	0.26389	Y
4	IC 410-205625/14	20.0	5.570804	50.0	859122.0	0.27854	Y
5	ICIS 410-205625/13	50.0	14.913739	50.0	855255.0	0.298275	Y
6	IC 410-205625/12	100.0	29.980494	50.0	884365.0	0.299805	Y
7	IC 410-205625/11	300.0	90.523439	50.0	895214.0	0.301745	Y



Calibration

/ Isopropylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

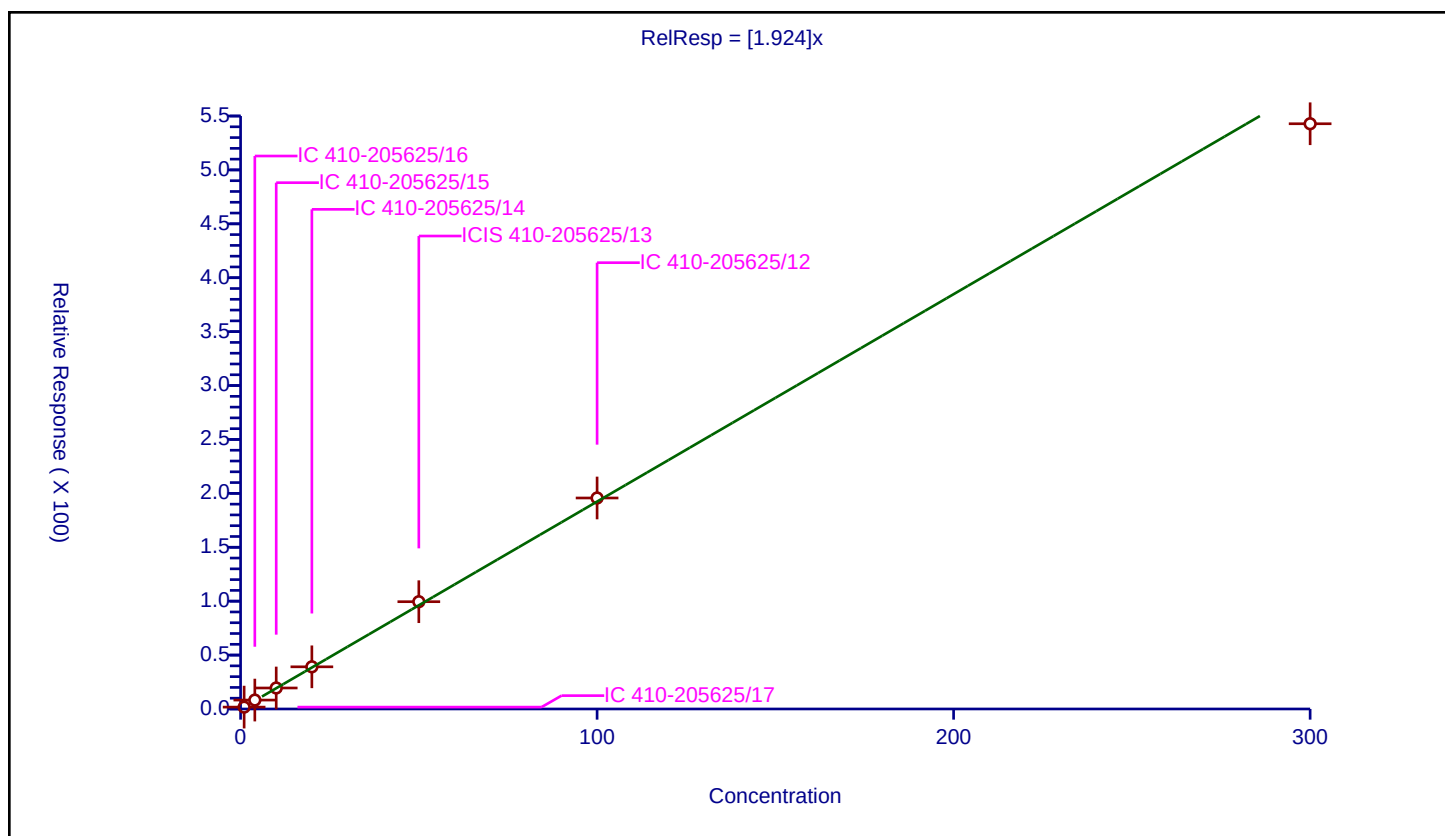
Curve Coefficients

Intercept: 0
Slope: 1.924

Error Coefficients

Standard Error: 4280000
Relative Standard Error: 5.8
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.739946	50.0	845055.0	1.739946	Y
2	IC 410-205625/16	4.0	8.26164	50.0	870487.0	2.06541	Y
3	IC 410-205625/15	10.0	19.482741	50.0	860246.0	1.948274	Y
4	IC 410-205625/14	20.0	39.111674	50.0	859122.0	1.955584	Y
5	ICIS 410-205625/13	50.0	99.506229	50.0	855255.0	1.990125	Y
6	IC 410-205625/12	100.0	195.705789	50.0	884365.0	1.957058	Y
7	IC 410-205625/11	300.0	542.834507	50.0	895214.0	1.809448	Y



Calibration

/ Cyclohexanone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

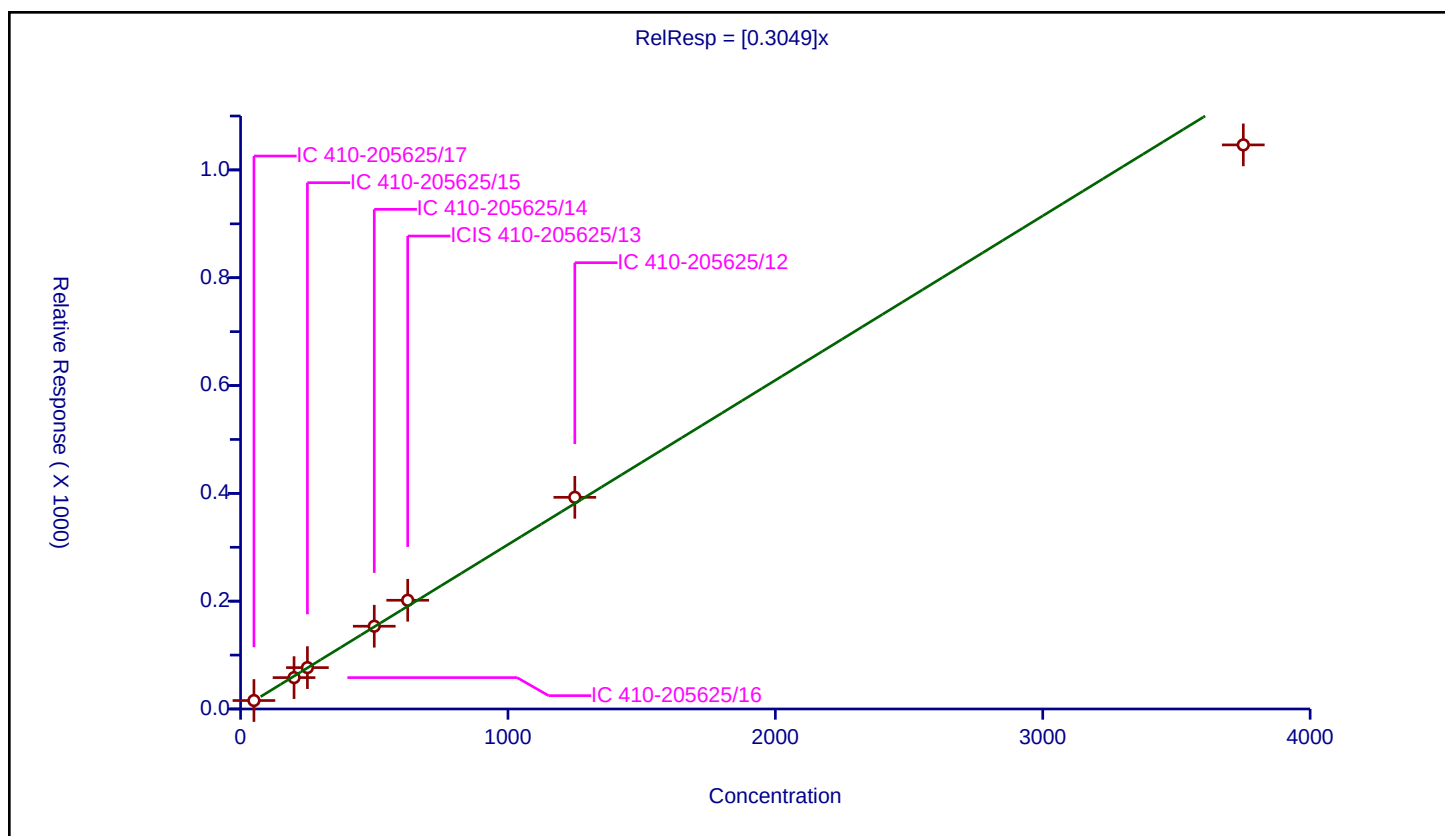
Curve Coefficients

Intercept: 0
Slope: 0.3049

Error Coefficients

Standard Error: 660000
Relative Standard Error: 4.9
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	50.00111	15.683928	250.0	389778.0	0.313672	Y
2	IC 410-205625/16	200.004442	58.18112	250.0	374967.0	0.290899	Y
3	IC 410-205625/15	250.005552	76.750883	250.0	391217.0	0.306997	Y
4	IC 410-205625/14	500.011104	153.545654	250.0	379944.0	0.307084	Y
5	ICIS 410-205625/13	625.01388	201.692402	250.0	372193.0	0.322701	Y
6	IC 410-205625/12	1250.02776	392.657052	250.0	355552.0	0.314119	Y
7	IC 410-205625/11	3750.08328	1046.432875	250.0	349413.0	0.279043	Y



Calibration

/ 4-Bromofluorobenzene (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

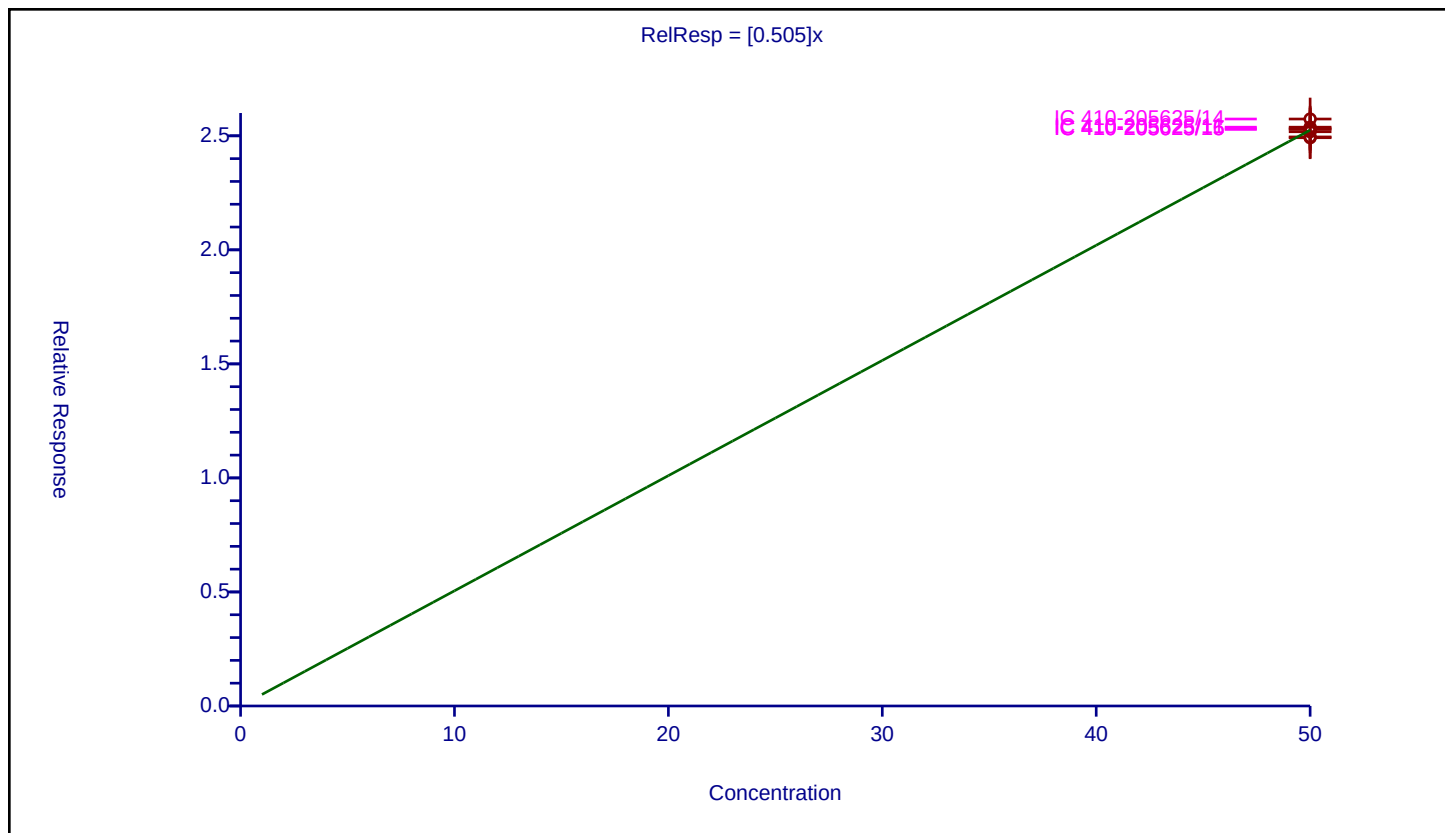
Curve Coefficients

Intercept: 0
 Slope: 0.505

Error Coefficients

Standard Error: 473000
 Relative Standard Error: 1.1
 Correlation Coefficient: 0.00000000000000000000
 Coefficient of Determination (Adjusted): 0.0000000000000000333

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/11	50.0	25.379239	50.0	895214.0	0.507585	Y
2	IC 410-205625/12	50.0	24.950671	50.0	884365.0	0.499013	Y
3	ICIS 410-205625/13	50.0	25.178046	50.0	855255.0	0.503561	Y
4	IC 410-205625/14	50.0	25.737381	50.0	859122.0	0.514748	Y
5	IC 410-205625/15	50.0	25.314968	50.0	860246.0	0.506299	Y
6	IC 410-205625/16	50.0	25.279815	50.0	870487.0	0.505596	Y
7	IC 410-205625/17	50.0	24.916603	50.0	845055.0	0.498332	Y



Calibration

/ 1,1,2,2-Tetrachloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

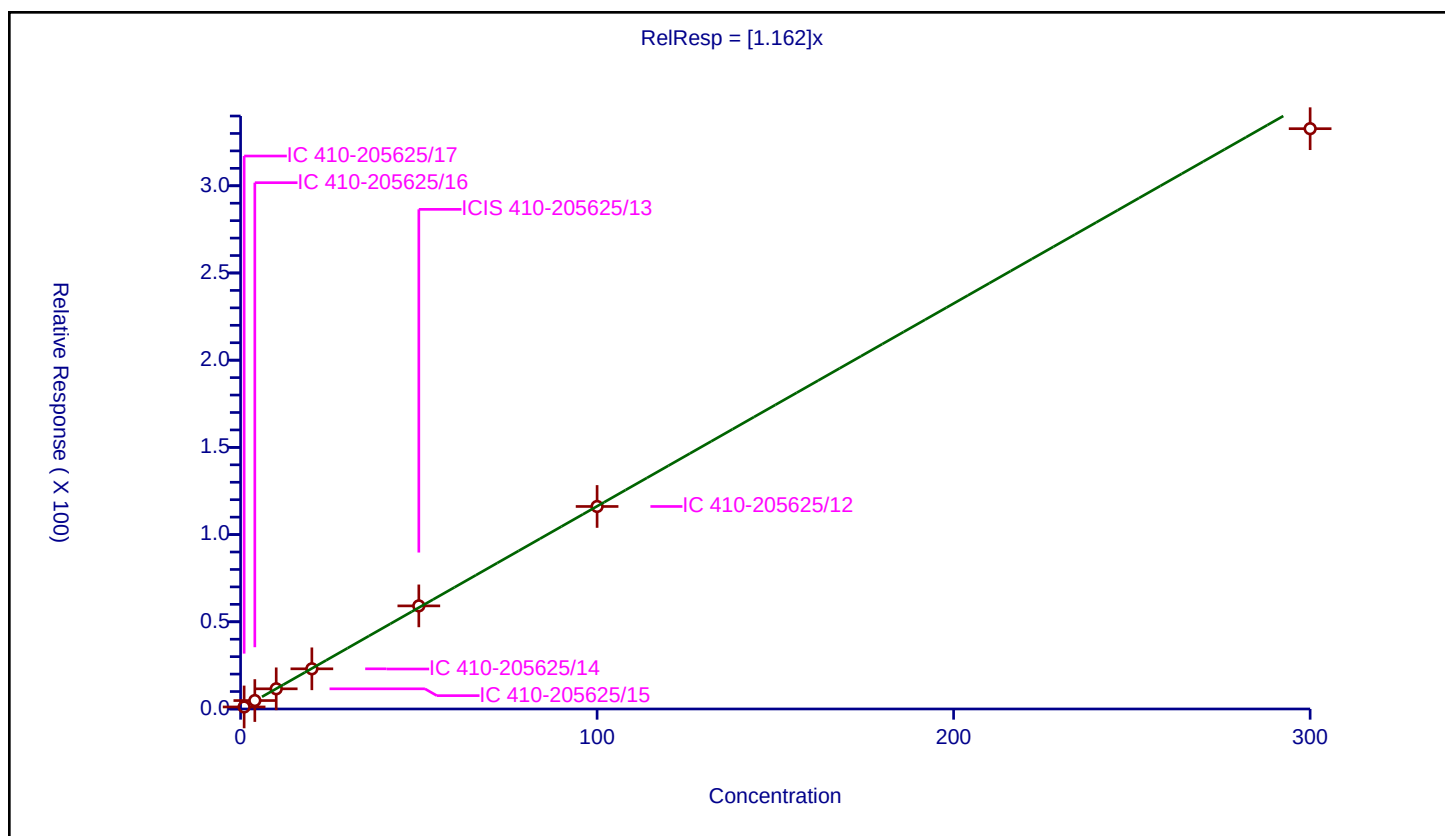
Curve Coefficients

Intercept: 0
 Slope: 1.162

Error Coefficients

Standard Error: 1480000
 Relative Standard Error: 2.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.165292	50.0	477048.0	1.165292	Y
2	IC 410-205625/16	4.0	4.845624	50.0	478896.0	1.211406	Y
3	IC 410-205625/15	10.0	11.560845	50.0	484225.0	1.156084	Y
4	IC 410-205625/14	20.0	23.037258	50.0	488220.0	1.151863	Y
5	ICIS 410-205625/13	50.0	59.116526	50.0	475362.0	1.182331	Y
6	IC 410-205625/12	100.0	116.126609	50.0	490503.0	1.161266	Y
7	IC 410-205625/11	300.0	332.738032	50.0	508650.0	1.109127	Y



Calibration

/ Bromobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

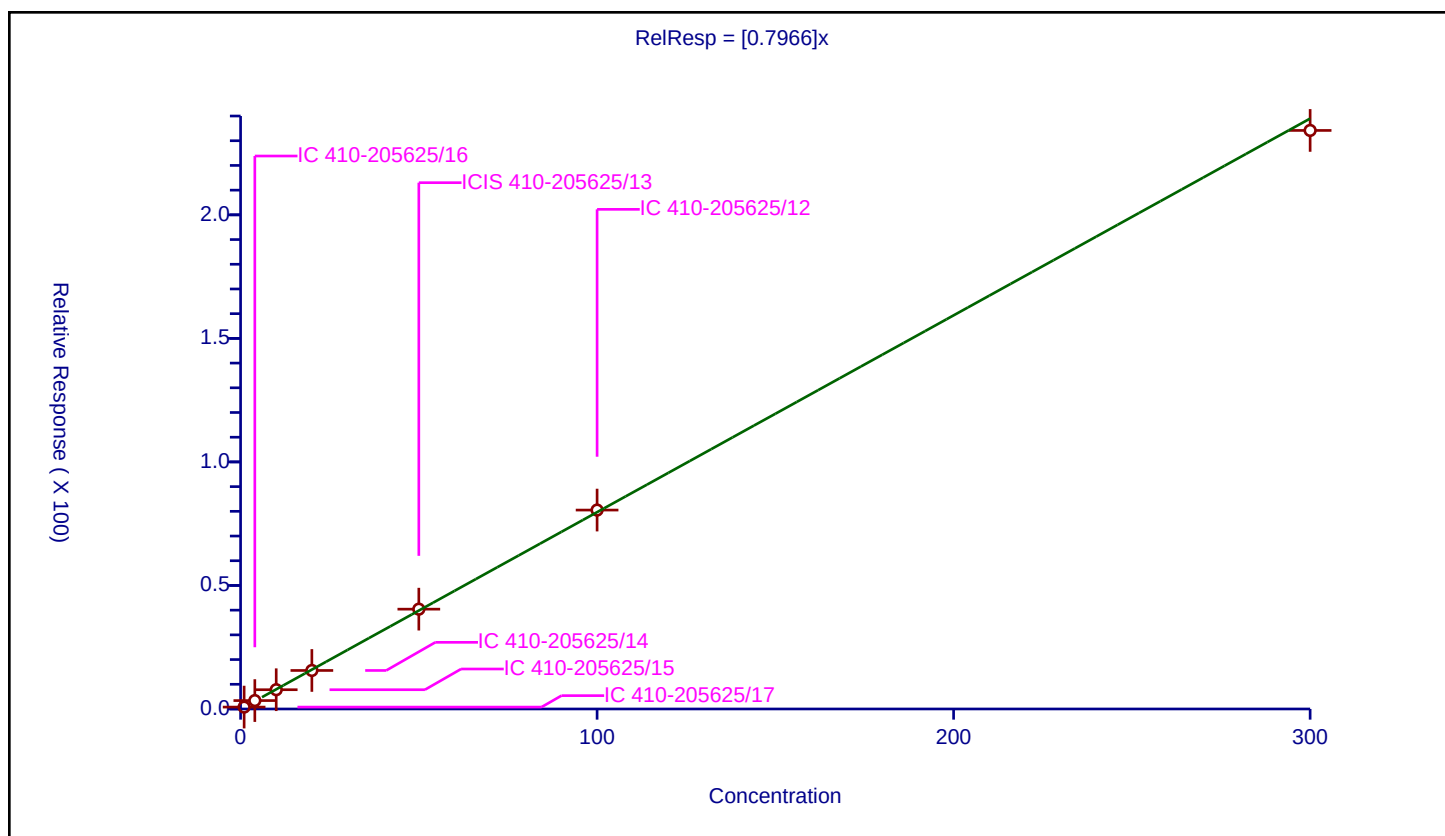
Curve Coefficients

Intercept: 0
Slope: 0.7966

Error Coefficients

Standard Error: 1040000
Relative Standard Error: 3.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.771411	50.0	477048.0	0.771411	Y
2	IC 410-205625/16	4.0	3.409717	50.0	478896.0	0.852429	Y
3	IC 410-205625/15	10.0	7.792865	50.0	484225.0	0.779286	Y
4	IC 410-205625/14	20.0	15.587235	50.0	488220.0	0.779362	Y
5	ICIS 410-205625/13	50.0	40.402577	50.0	475362.0	0.808052	Y
6	IC 410-205625/12	100.0	80.506133	50.0	490503.0	0.805061	Y
7	IC 410-205625/11	300.0	234.165143	50.0	508650.0	0.78055	Y



Calibration

/ 1,2,3-Trichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

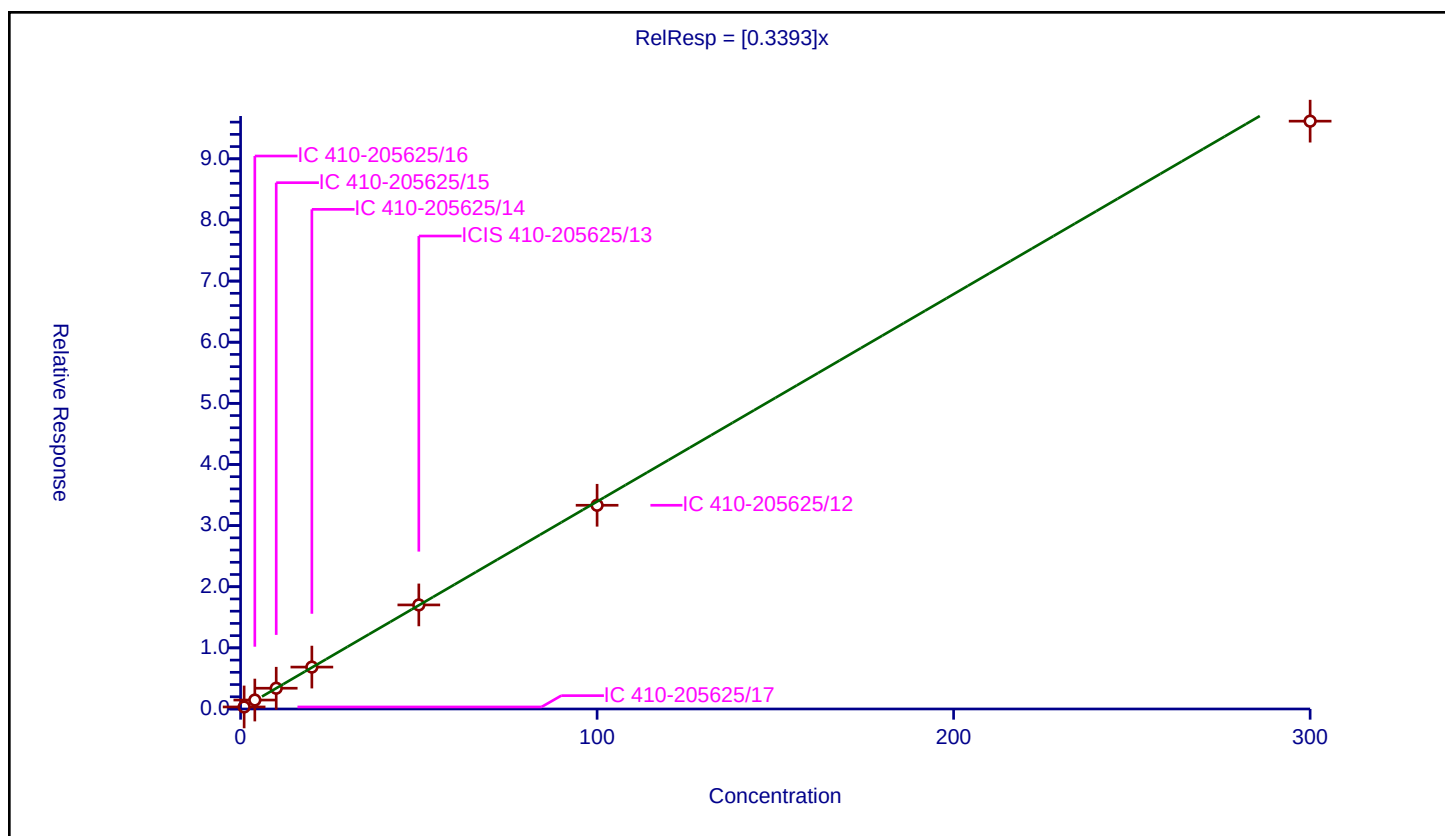
Curve Coefficients

Intercept: 0
Slope: 0.3393

Error Coefficients

Standard Error: 427000
Relative Standard Error: 4.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.332566	50.0	477048.0	0.332566	Y
2	IC 410-205625/16	4.0	1.464514	50.0	478896.0	0.366129	Y
3	IC 410-205625/15	10.0	3.39429	50.0	484225.0	0.339429	Y
4	IC 410-205625/14	20.0	6.855926	50.0	488220.0	0.342796	Y
5	ICIS 410-205625/13	50.0	17.021344	50.0	475362.0	0.340427	Y
6	IC 410-205625/12	100.0	33.322936	50.0	490503.0	0.333229	Y
7	IC 410-205625/11	300.0	96.158754	50.0	508650.0	0.320529	Y



Calibration

/ trans-1,4-Dichloro-2-butene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

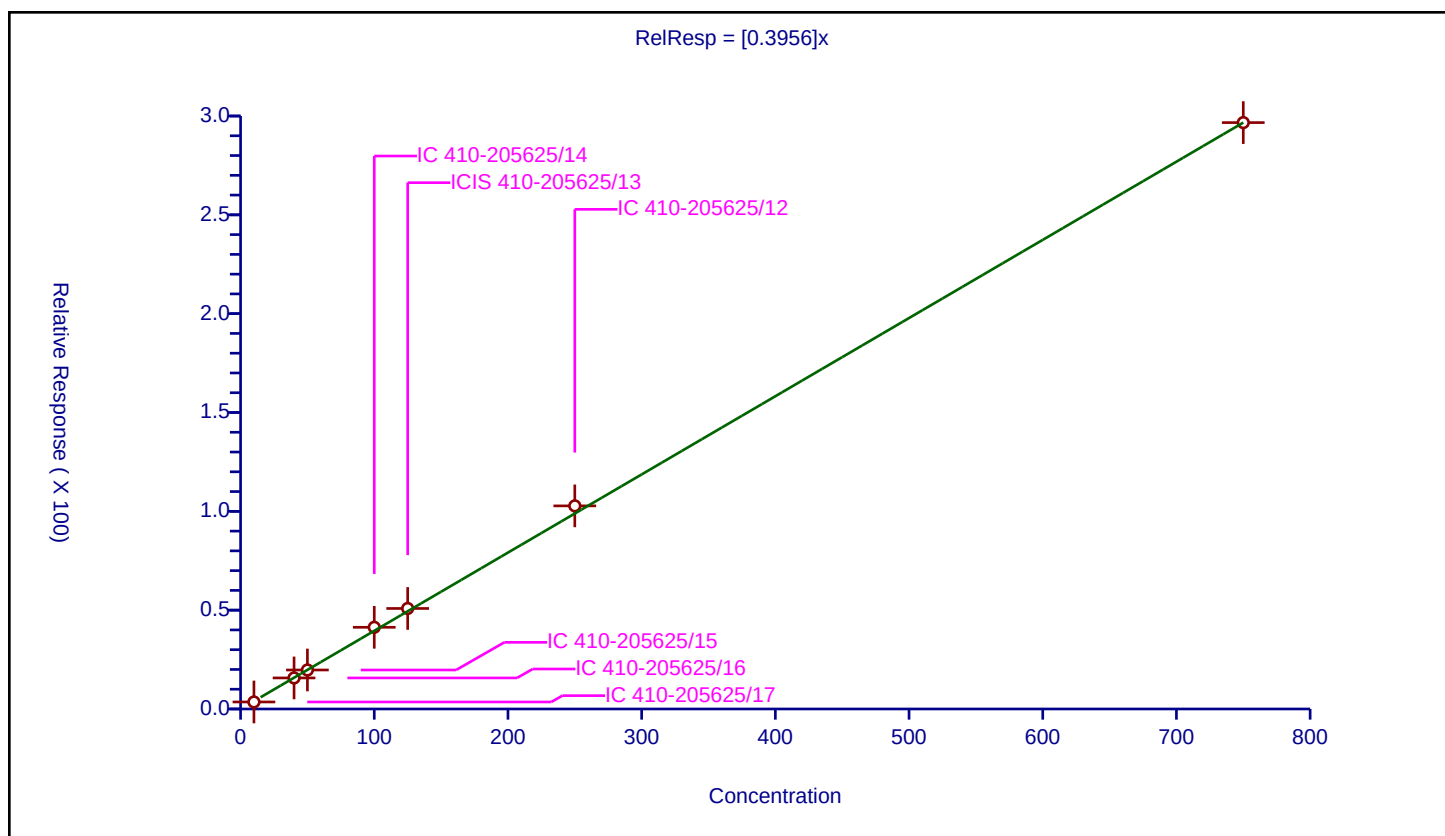
Curve Coefficients

Intercept: 0
Slope: 0.3956

Error Coefficients

Standard Error: 1330000
Relative Standard Error: 5.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	10.0	3.54849	50.0	477048.0	0.354849	Y
2	IC 410-205625/16	40.0	15.710092	50.0	478896.0	0.392752	Y
3	IC 410-205625/15	50.0	19.726677	50.0	484225.0	0.394534	Y
4	IC 410-205625/14	100.0	41.335771	50.0	488220.0	0.413358	Y
5	ICIS 410-205625/13	125.0	50.856926	50.0	475362.0	0.406855	Y
6	IC 410-205625/12	250.0	102.760126	50.0	490503.0	0.411041	Y
7	IC 410-205625/11	750.0	296.664111	50.0	508650.0	0.395552	Y



Calibration

/ N-Propylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

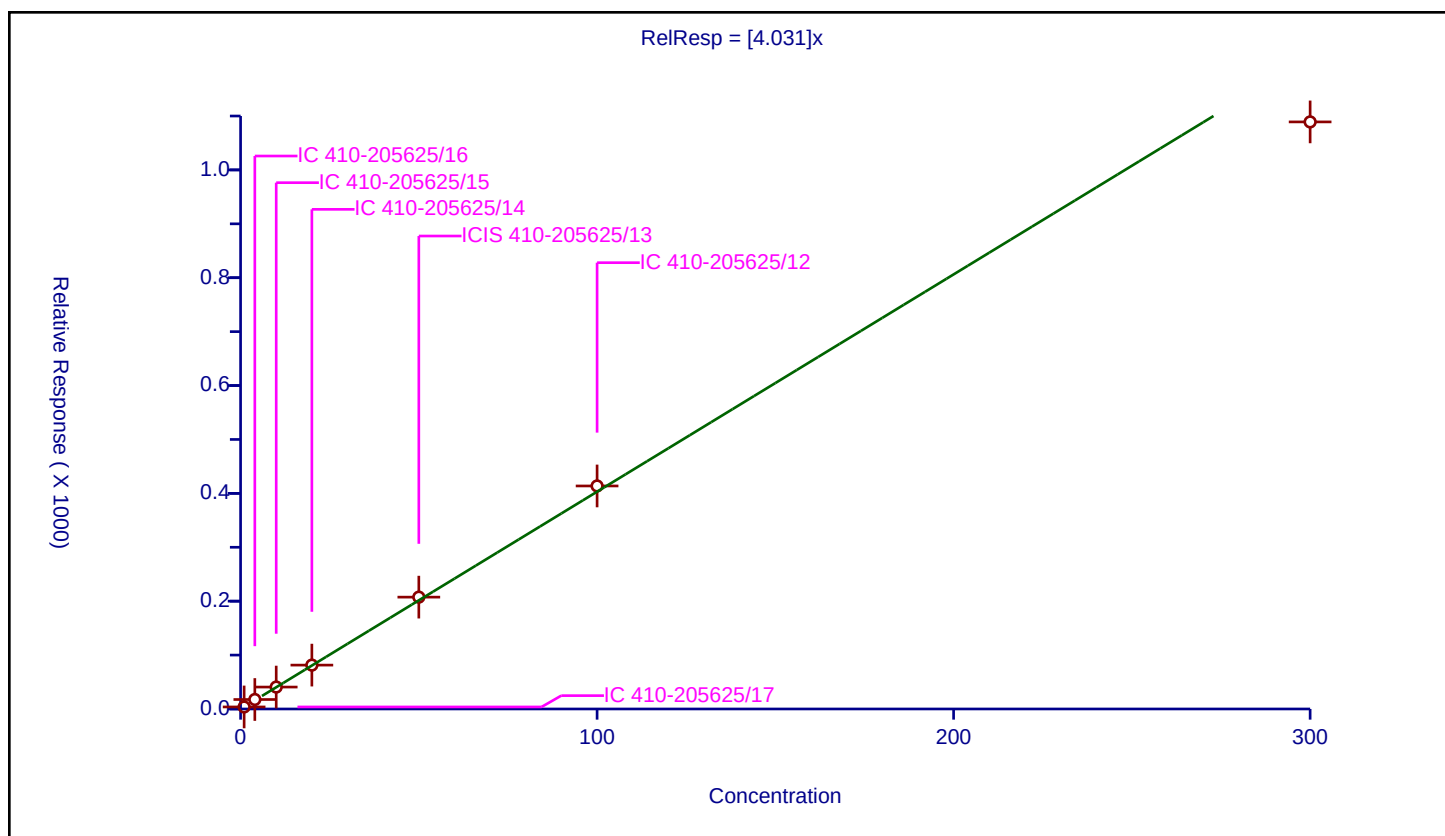
Curve Coefficients

Intercept: 0
Slope: 4.031

Error Coefficients

Standard Error: 4900000
Relative Standard Error: 6.4
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	3.760942	50.0	477048.0	3.760942	Y
2	IC 410-205625/16	4.0	17.588161	50.0	478896.0	4.39704	Y
3	IC 410-205625/15	10.0	40.69761	50.0	484225.0	4.069761	Y
4	IC 410-205625/14	20.0	81.406436	50.0	488220.0	4.070322	Y
5	ICIS 410-205625/13	50.0	207.505964	50.0	475362.0	4.150119	Y
6	IC 410-205625/12	100.0	413.715614	50.0	490503.0	4.137156	Y
7	IC 410-205625/11	300.0	1089.064878	50.0	508650.0	3.630216	Y



Calibration

/ 2-Chlorotoluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

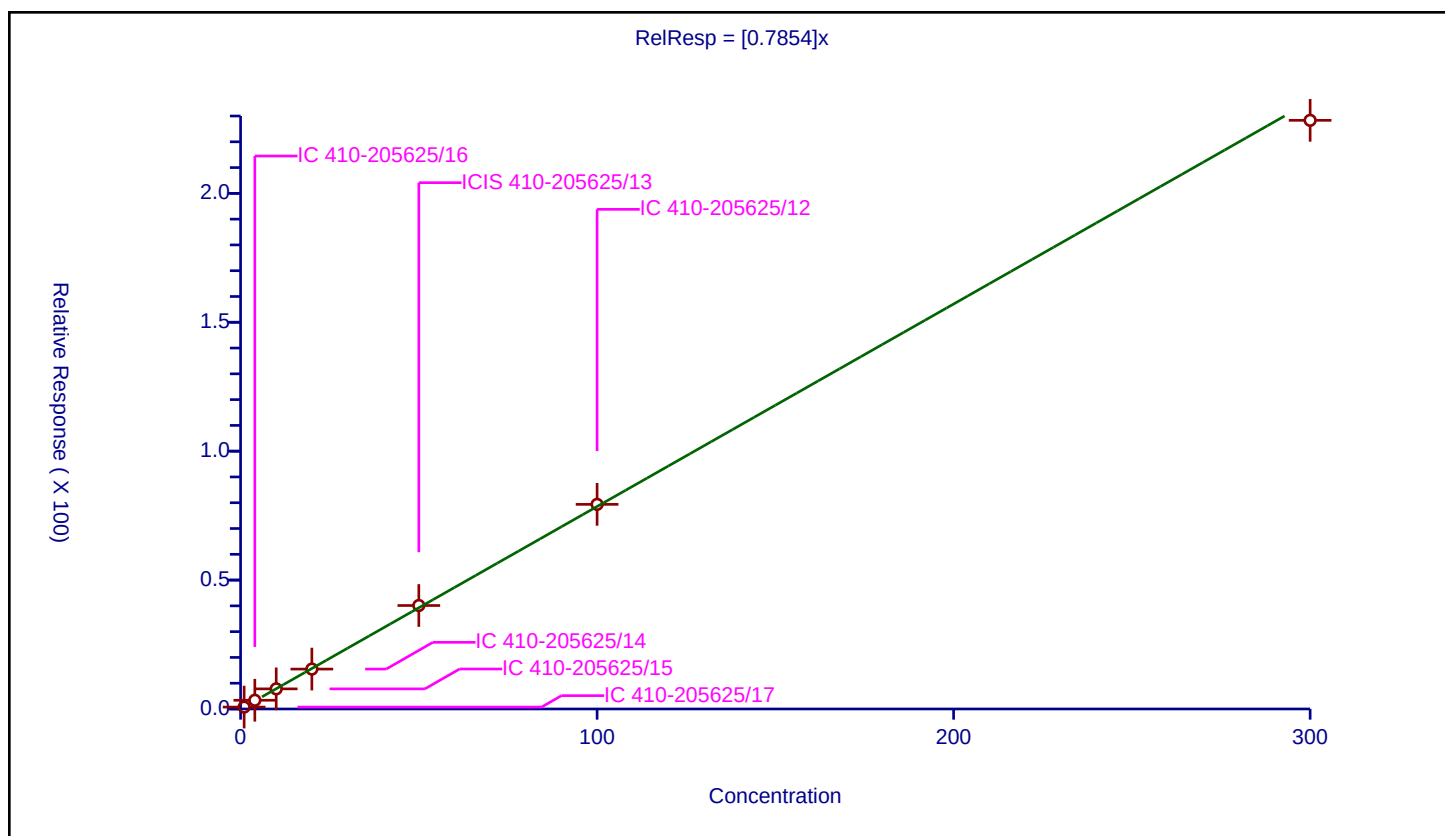
Curve Coefficients

Intercept: 0
 Slope: 0.7854

Error Coefficients

Standard Error: 1010000
 Relative Standard Error: 4.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.7385	50.0	477048.0	0.7385	Y
2	IC 410-205625/16	4.0	3.38821	50.0	478896.0	0.847052	Y
3	IC 410-205625/15	10.0	7.806495	50.0	484225.0	0.780649	Y
4	IC 410-205625/14	20.0	15.483081	50.0	488220.0	0.774154	Y
5	ICIS 410-205625/13	50.0	40.140041	50.0	475362.0	0.802801	Y
6	IC 410-205625/12	100.0	79.364652	50.0	490503.0	0.793647	Y
7	IC 410-205625/11	300.0	228.327632	50.0	508650.0	0.761092	Y



Calibration

/ 1,3,5-Trimethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

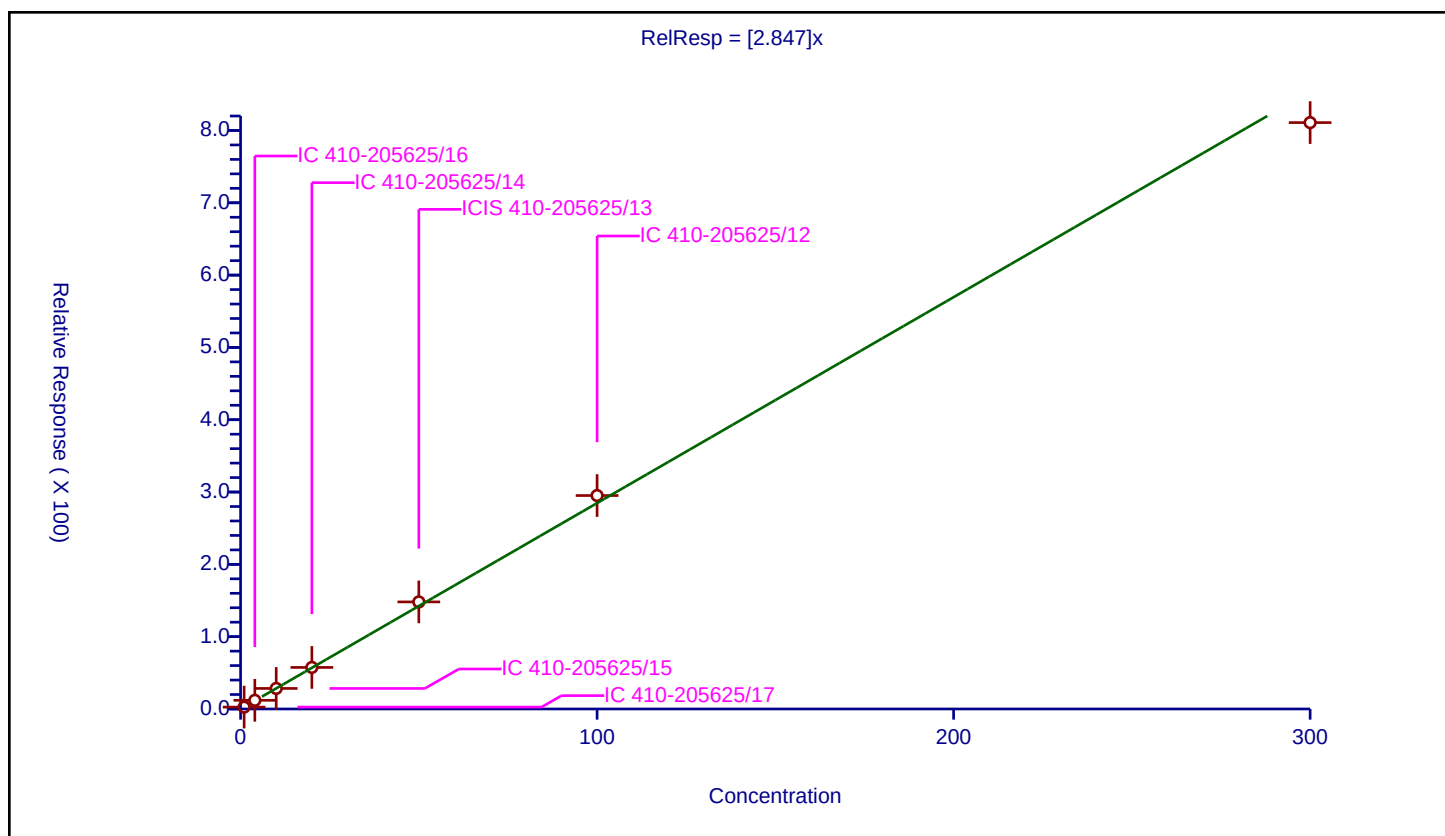
Curve Coefficients

Intercept: 0
Slope: 2.847

Error Coefficients

Standard Error: 3620000
Relative Standard Error: 5.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	2.604245	50.0	477048.0	2.604245	Y
2	IC 410-205625/16	4.0	11.984857	50.0	478896.0	2.996214	Y
3	IC 410-205625/15	10.0	28.406629	50.0	484225.0	2.840663	Y
4	IC 410-205625/14	20.0	57.489349	50.0	488220.0	2.874467	Y
5	ICIS 410-205625/13	50.0	148.067473	50.0	475362.0	2.961349	Y
6	IC 410-205625/12	100.0	295.188613	50.0	490503.0	2.951886	Y
7	IC 410-205625/11	300.0	810.876536	50.0	508650.0	2.702922	Y



Calibration

/ 4-Chlorotoluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

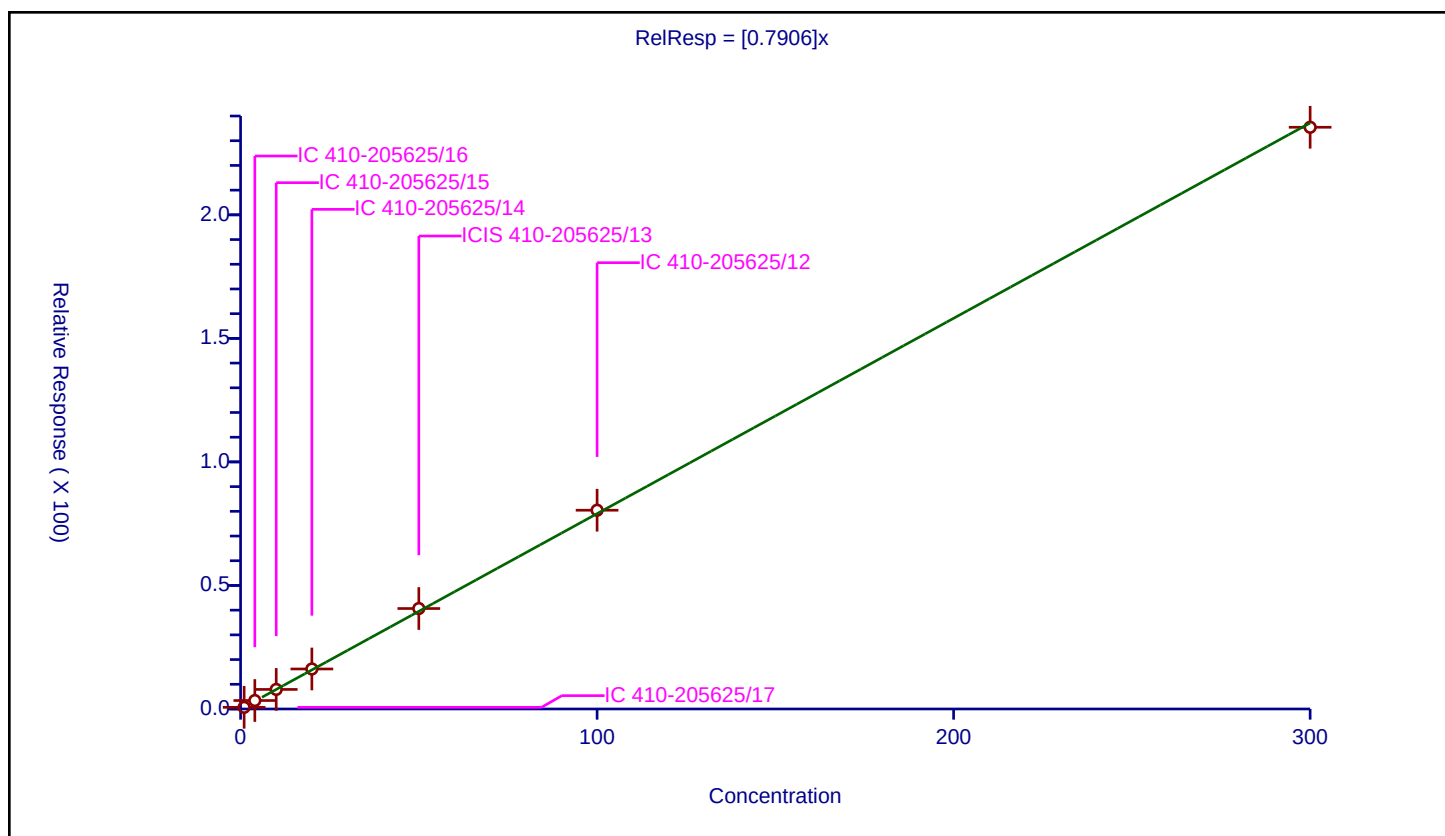
Curve Coefficients

Intercept: 0
 Slope: 0.7906

Error Coefficients

Standard Error: 1040000
 Relative Standard Error: 7.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.675089	50.0	477048.0	0.675089	Y
2	IC 410-205625/16	4.0	3.422977	50.0	478896.0	0.855744	Y
3	IC 410-205625/15	10.0	7.912747	50.0	484225.0	0.791275	Y
4	IC 410-205625/14	20.0	16.193417	50.0	488220.0	0.809671	Y
5	ICIS 410-205625/13	50.0	40.662485	50.0	475362.0	0.81325	Y
6	IC 410-205625/12	100.0	80.45068	50.0	490503.0	0.804507	Y
7	IC 410-205625/11	300.0	235.443527	50.0	508650.0	0.784812	Y



Calibration

/ tert-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

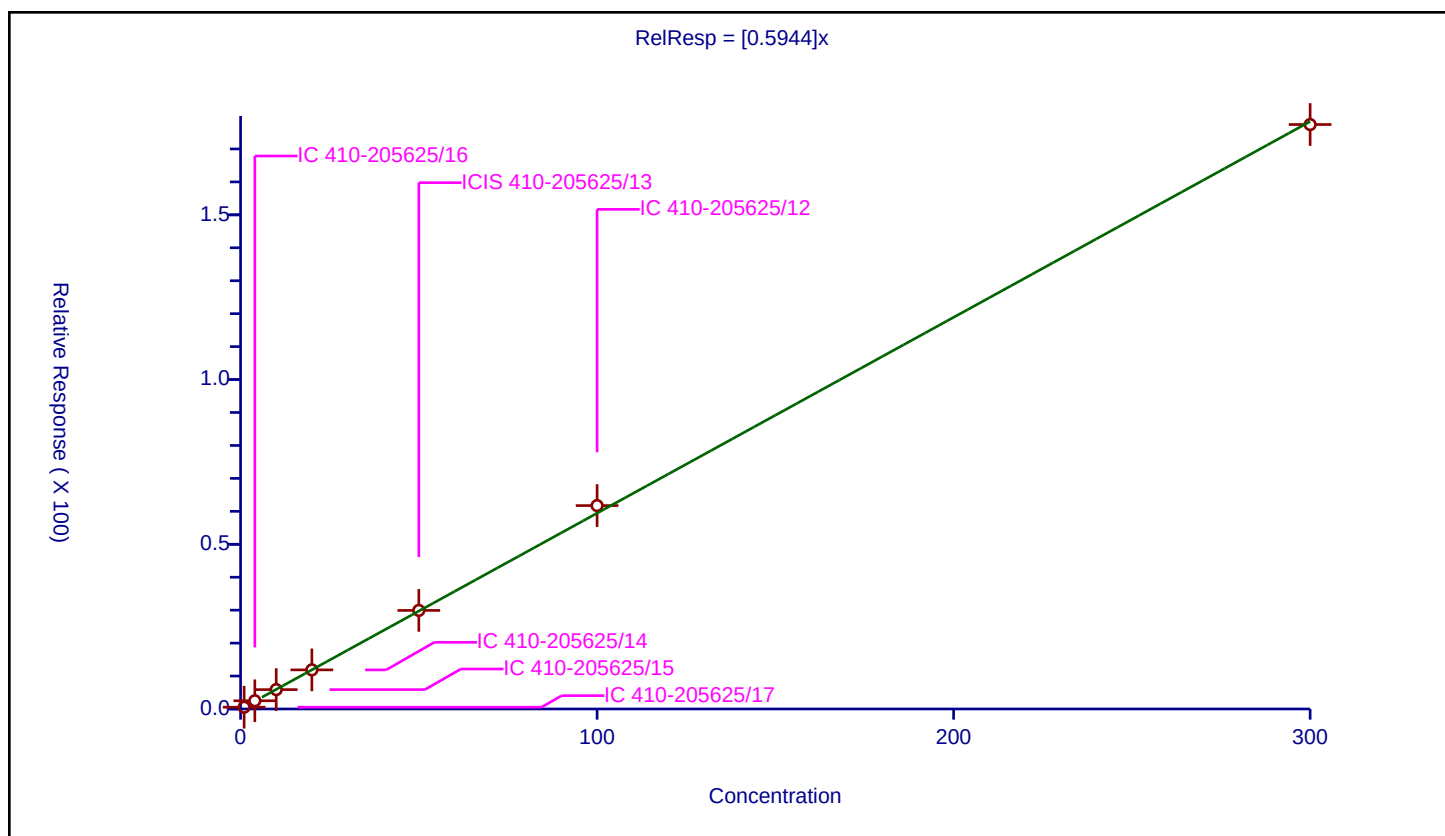
Curve Coefficients

Intercept: 0
Slope: 0.5944

Error Coefficients

Standard Error: 788000
Relative Standard Error: 4.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.548687	50.0	477048.0	0.548687	Y
2	IC 410-205625/16	4.0	2.493339	50.0	478896.0	0.623335	Y
3	IC 410-205625/15	10.0	5.883732	50.0	484225.0	0.588373	Y
4	IC 410-205625/14	20.0	11.86842	50.0	488220.0	0.593421	Y
5	ICIS 410-205625/13	50.0	29.924037	50.0	475362.0	0.598481	Y
6	IC 410-205625/12	100.0	61.739887	50.0	490503.0	0.617399	Y
7	IC 410-205625/11	300.0	177.413644	50.0	508650.0	0.591379	Y



Calibration

/ 1,2,4-Trimethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

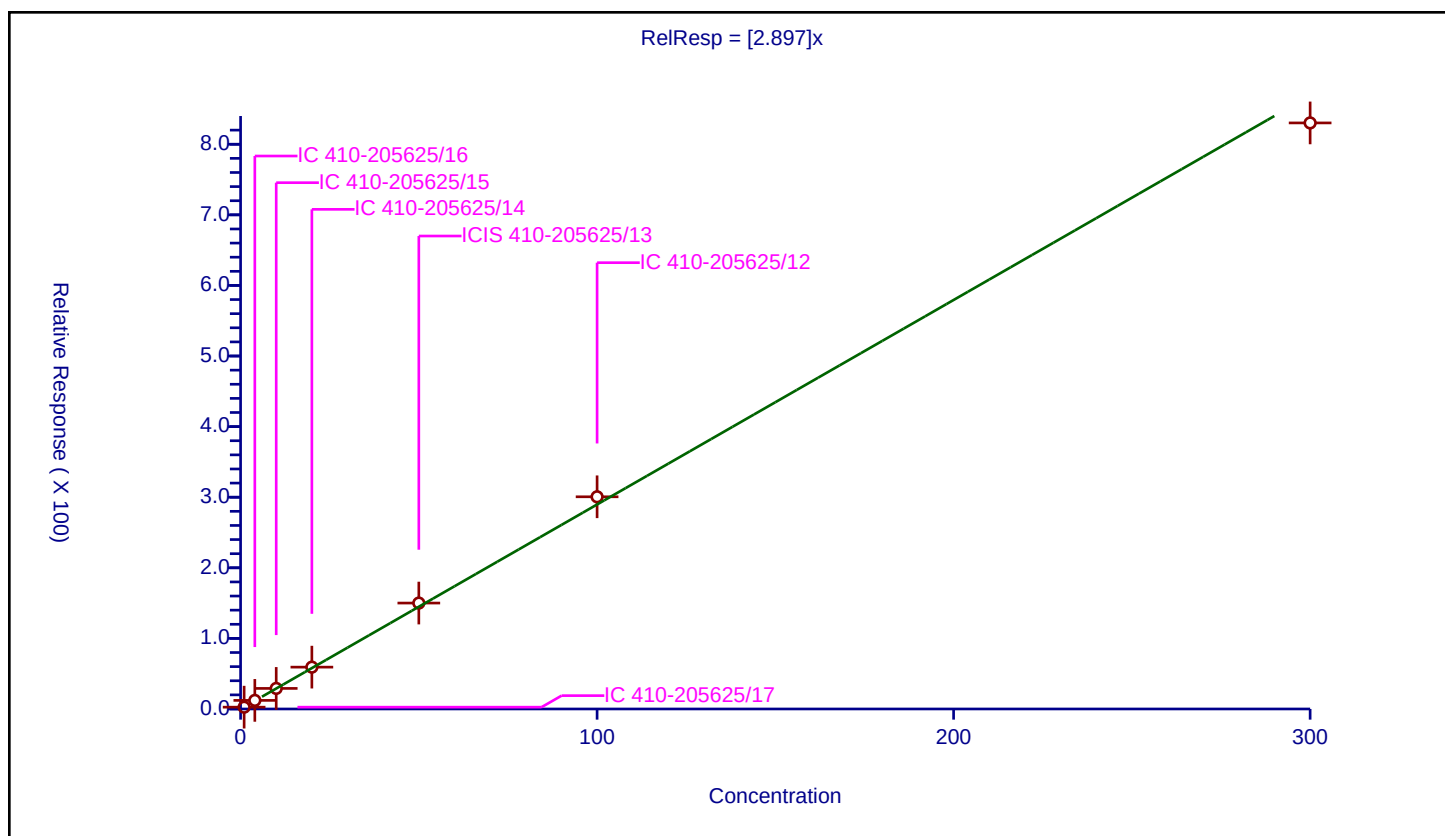
Curve Coefficients

Intercept: 0
 Slope: 2.897

Error Coefficients

Standard Error: 3710000
 Relative Standard Error: 5.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	2.583493	50.0	477048.0	2.583493	Y
2	IC 410-205625/16	4.0	12.174355	50.0	478896.0	3.043589	Y
3	IC 410-205625/15	10.0	29.126955	50.0	484225.0	2.912696	Y
4	IC 410-205625/14	20.0	59.283725	50.0	488220.0	2.964186	Y
5	ICIS 410-205625/13	50.0	150.059008	50.0	475362.0	3.00118	Y
6	IC 410-205625/12	100.0	300.594084	50.0	490503.0	3.005941	Y
7	IC 410-205625/11	300.0	830.208985	50.0	508650.0	2.767363	Y



Calibration

/ sec-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

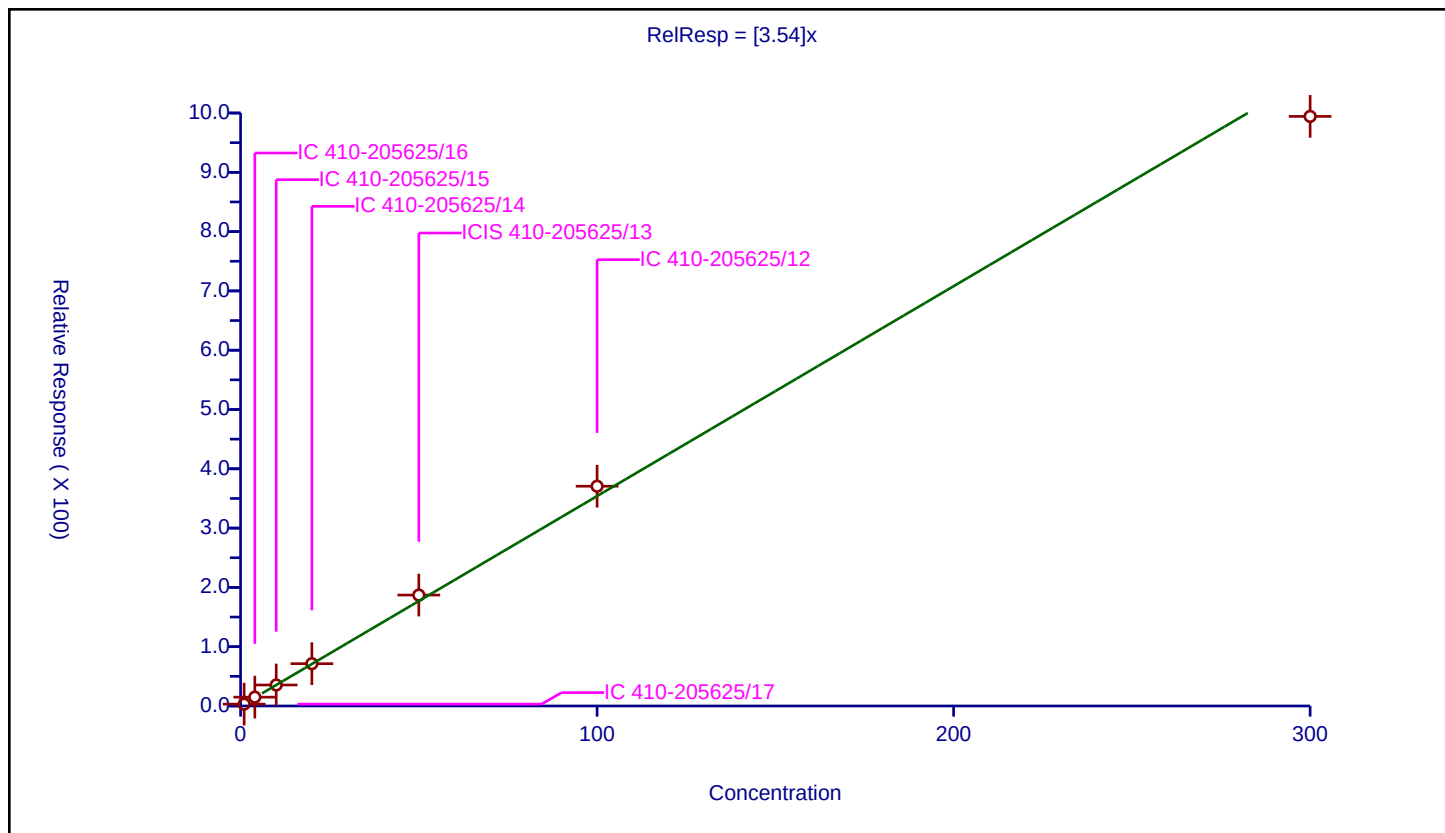
Curve Coefficients

Intercept: 0
 Slope: 3.54

Error Coefficients

Standard Error: 4460000
 Relative Standard Error: 6.2
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	3.179869	50.0	477048.0	3.179869	Y
2	IC 410-205625/16	4.0	14.918792	50.0	478896.0	3.729698	Y
3	IC 410-205625/15	10.0	35.402447	50.0	484225.0	3.540245	Y
4	IC 410-205625/14	20.0	71.338638	50.0	488220.0	3.566932	Y
5	ICIS 410-205625/13	50.0	187.052709	50.0	475362.0	3.741054	Y
6	IC 410-205625/12	100.0	370.609252	50.0	490503.0	3.706093	Y
7	IC 410-205625/11	300.0	994.29077	50.0	508650.0	3.314303	Y



Calibration

/ 1,3-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

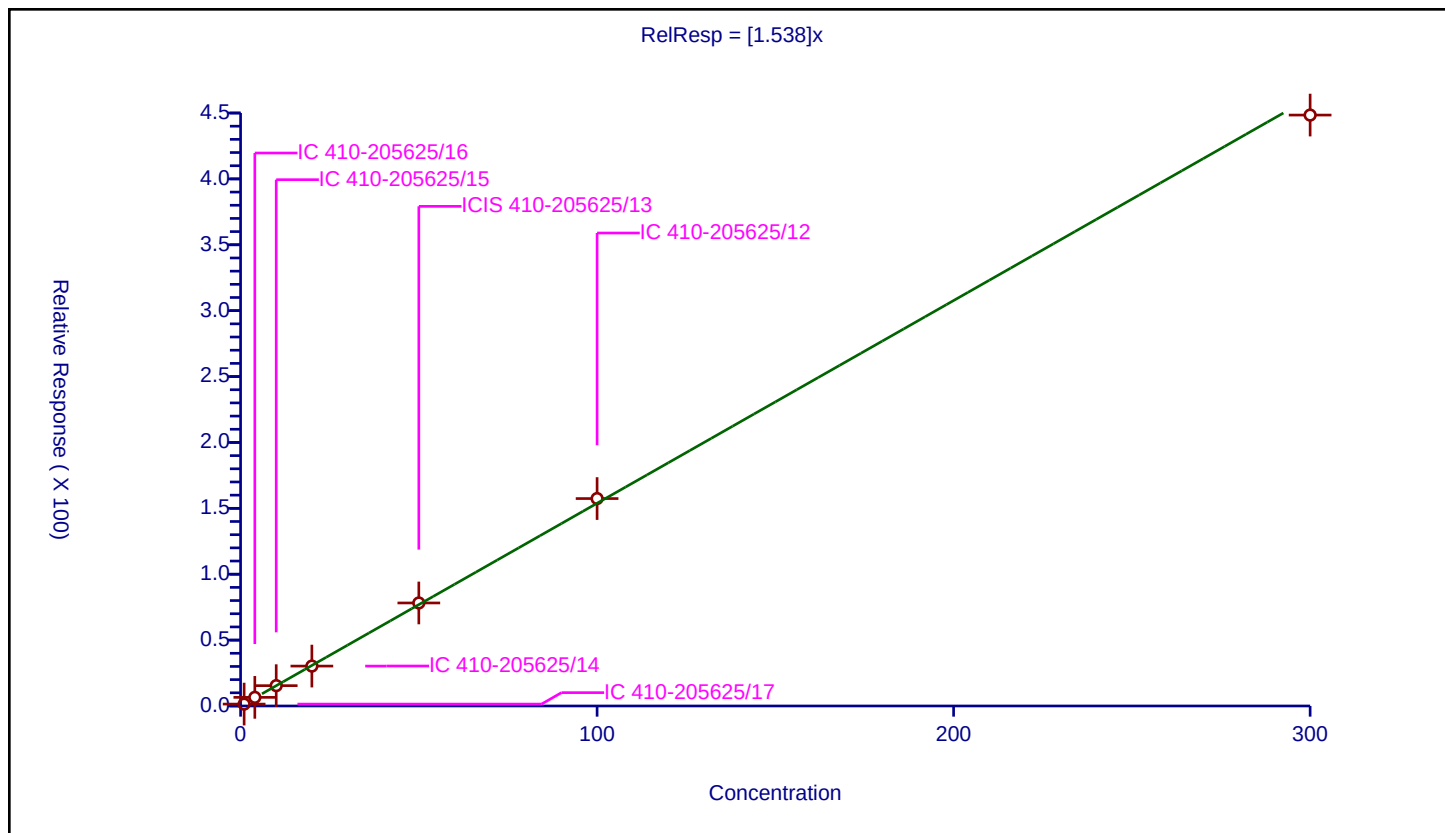
Curve Coefficients

Intercept: 0
 Slope: 1.538

Error Coefficients

Standard Error: 1990000
 Relative Standard Error: 4.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.442517	50.0	477048.0	1.442517	Y
2	IC 410-205625/16	4.0	6.548812	50.0	478896.0	1.637203	Y
3	IC 410-205625/15	10.0	15.428055	50.0	484225.0	1.542806	Y
4	IC 410-205625/14	20.0	30.282455	50.0	488220.0	1.514123	Y
5	ICIS 410-205625/13	50.0	78.180734	50.0	475362.0	1.563615	Y
6	IC 410-205625/12	100.0	157.406988	50.0	490503.0	1.57407	Y
7	IC 410-205625/11	300.0	448.436941	50.0	508650.0	1.49479	Y



Calibration

/ 4-Isopropyltoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

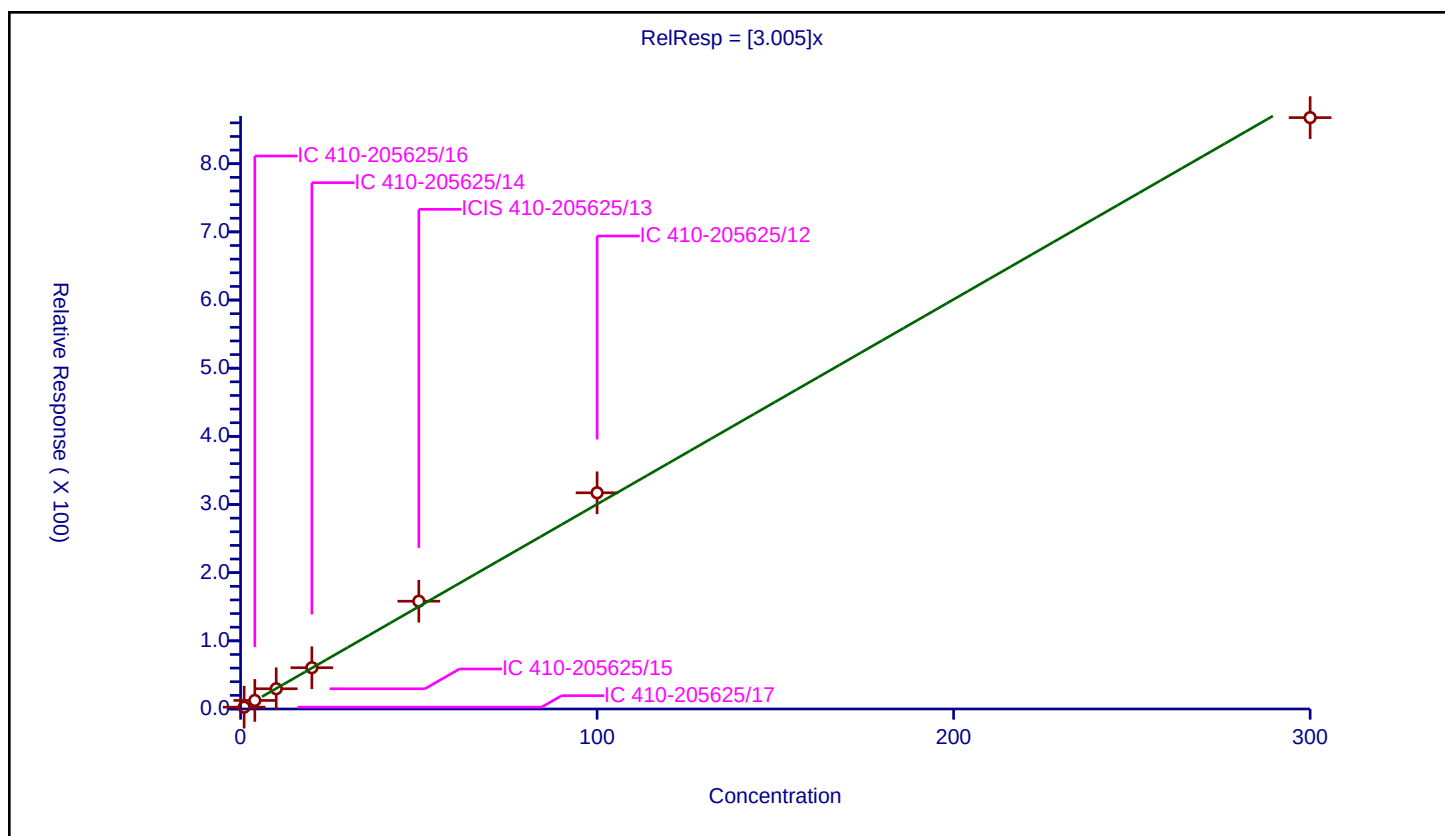
Curve Coefficients

Intercept: 0
Slope: 3.005

Error Coefficients

Standard Error: 3880000
Relative Standard Error: 6.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	2.674783	50.0	477048.0	2.674783	Y
2	IC 410-205625/16	4.0	12.541136	50.0	478896.0	3.135284	Y
3	IC 410-205625/15	10.0	29.692292	50.0	484225.0	2.969229	Y
4	IC 410-205625/14	20.0	60.529679	50.0	488220.0	3.026484	Y
5	ICIS 410-205625/13	50.0	158.10698	50.0	475362.0	3.16214	Y
6	IC 410-205625/12	100.0	317.223442	50.0	490503.0	3.172234	Y
7	IC 410-205625/11	300.0	867.635899	50.0	508650.0	2.89212	Y



Calibration

/ 1,4-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

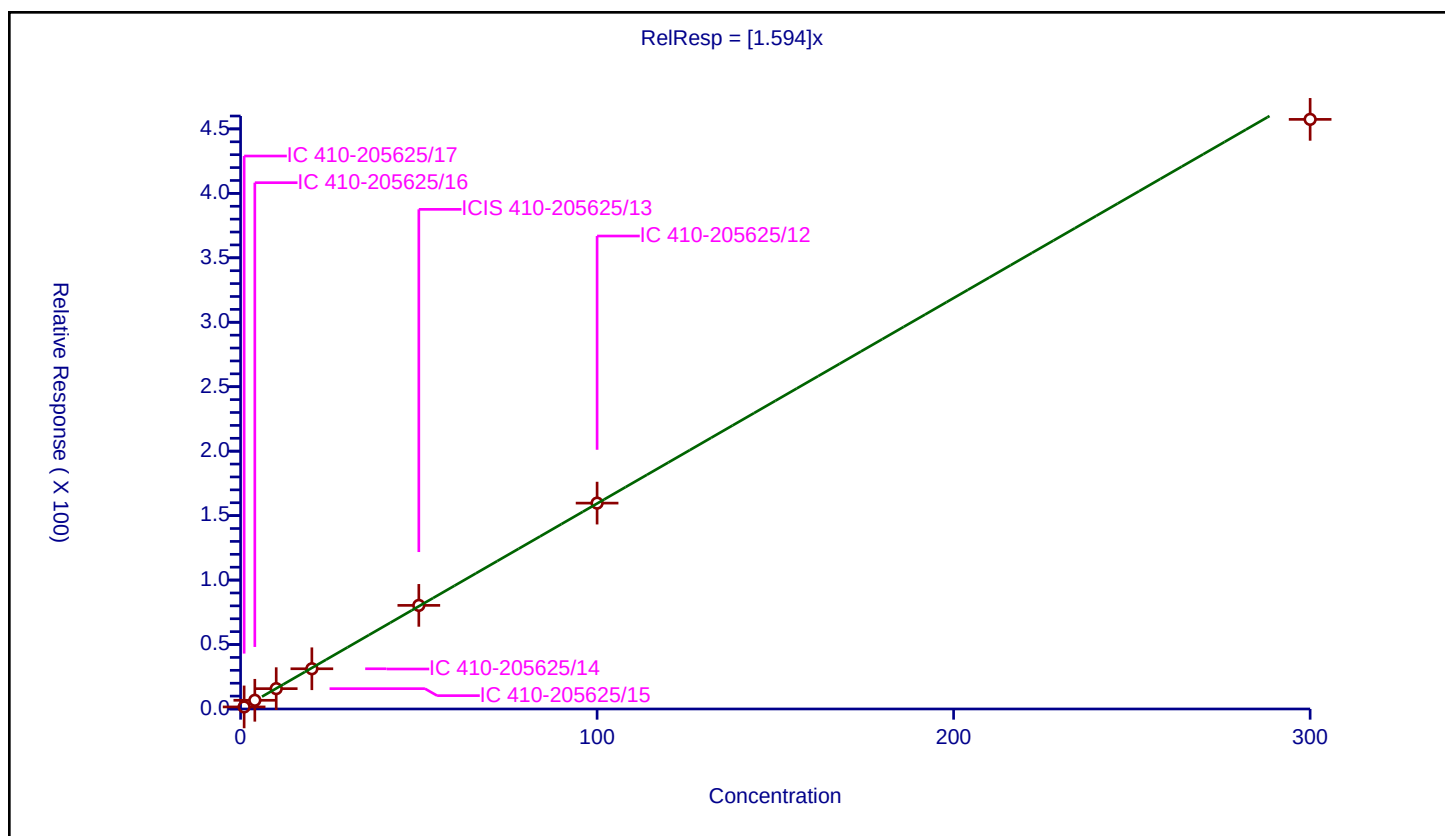
Curve Coefficients

Intercept: 0
 Slope: 1.594

Error Coefficients

Standard Error: 2030000
 Relative Standard Error: 3.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.604346	50.0	477048.0	1.604346	Y
2	IC 410-205625/16	4.0	6.747185	50.0	478896.0	1.686796	Y
3	IC 410-205625/15	10.0	15.766534	50.0	484225.0	1.576653	Y
4	IC 410-205625/14	20.0	31.199152	50.0	488220.0	1.559958	Y
5	ICIS 410-205625/13	50.0	80.367699	50.0	475362.0	1.607354	Y
6	IC 410-205625/12	100.0	159.716149	50.0	490503.0	1.597161	Y
7	IC 410-205625/11	300.0	457.394082	50.0	508650.0	1.524647	Y



Calibration

/ 1,2,3-Trimethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

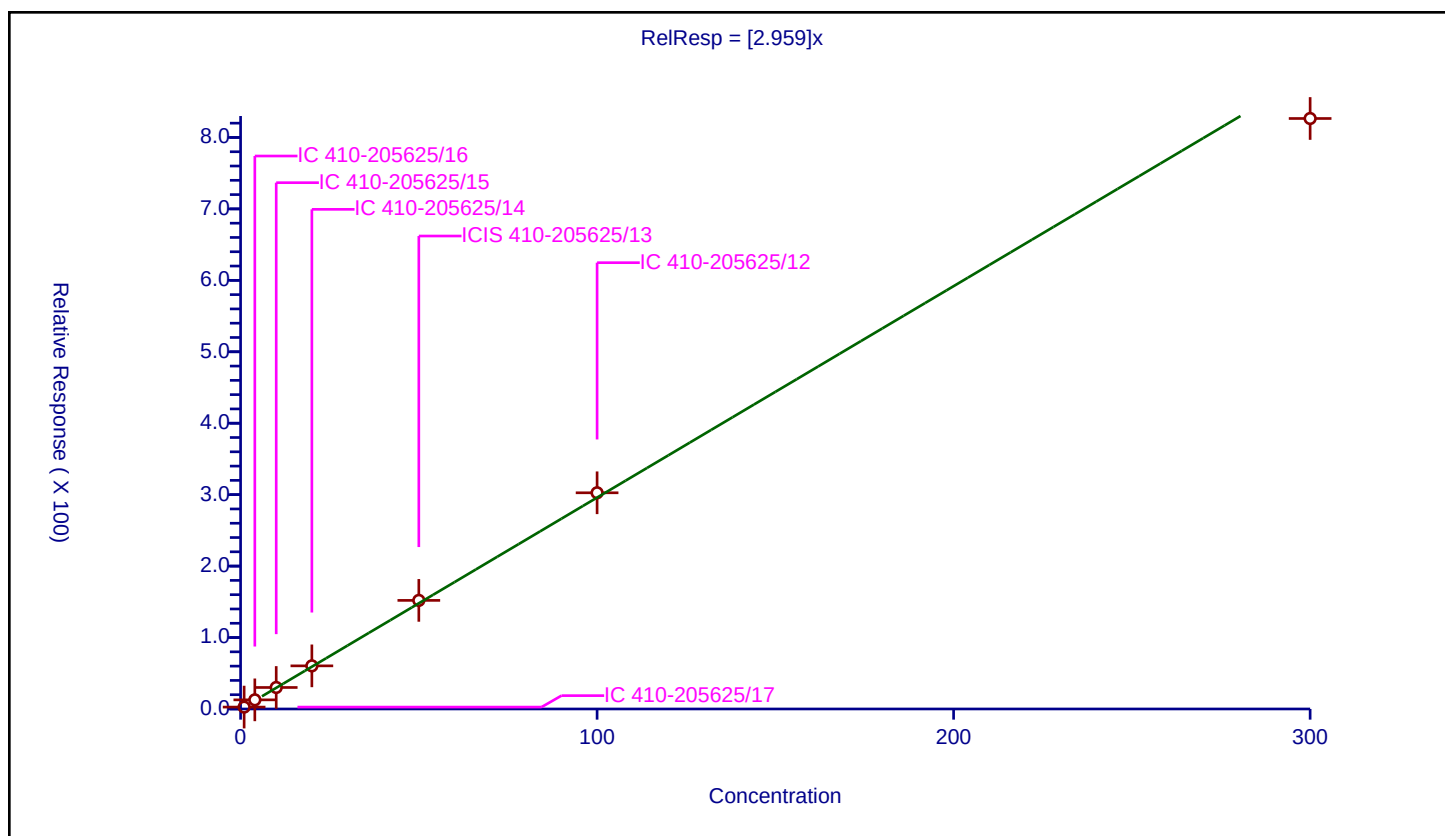
Curve Coefficients

Intercept: 0
Slope: 2.959

Error Coefficients

Standard Error: 3700000
Relative Standard Error: 6.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	2.670591	50.0	477048.0	2.670591	Y
2	IC 410-205625/16	4.0	12.775112	50.0	478896.0	3.193778	Y
3	IC 410-205625/15	10.0	30.104394	50.0	484225.0	3.010439	Y
4	IC 410-205625/14	20.0	60.365716	50.0	488220.0	3.018286	Y
5	ICIS 410-205625/13	50.0	152.019724	50.0	475362.0	3.040394	Y
6	IC 410-205625/12	100.0	302.634133	50.0	490503.0	3.026341	Y
7	IC 410-205625/11	300.0	826.514008	50.0	508650.0	2.755047	Y



Calibration

/ Benzyl chloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

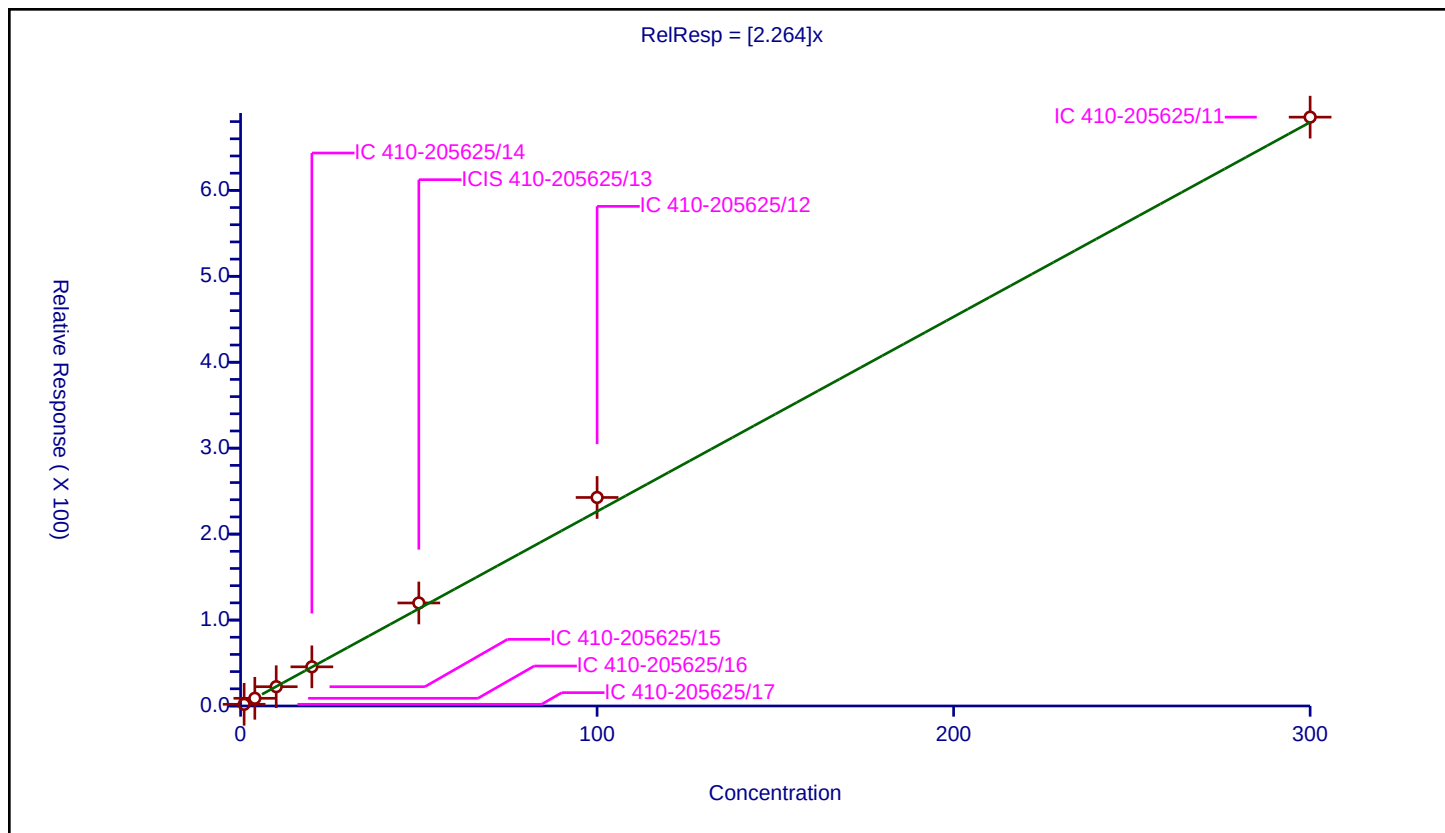
Curve Coefficients

Intercept: 0
 Slope: 2.264

Error Coefficients

Standard Error: 3050000
 Relative Standard Error: 6.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.976635	50.0	477048.0	1.976635	Y
2	IC 410-205625/16	4.0	8.962489	50.0	478896.0	2.240622	Y
3	IC 410-205625/15	10.0	22.453302	50.0	484225.0	2.24533	Y
4	IC 410-205625/14	20.0	45.572181	50.0	488220.0	2.278609	Y
5	ICIS 410-205625/13	50.0	119.87296	50.0	475362.0	2.397459	Y
6	IC 410-205625/12	100.0	242.654479	50.0	490503.0	2.426545	Y
7	IC 410-205625/11	300.0	685.191684	50.0	508650.0	2.283972	Y



Calibration

/ 1,3-Diethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

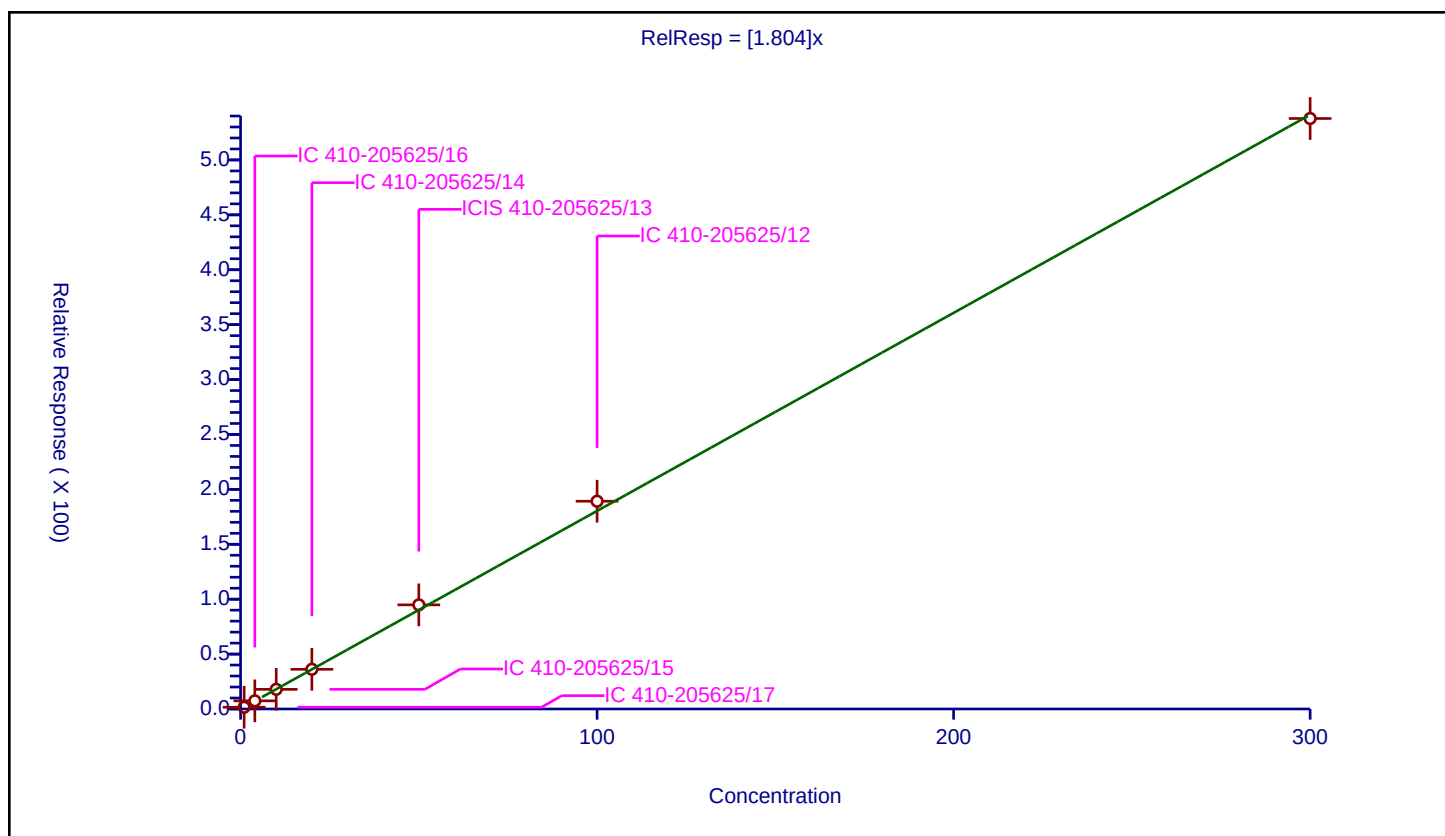
Curve Coefficients

Intercept: 0
 Slope: 1.804

Error Coefficients

Standard Error: 2390000
 Relative Standard Error: 5.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.59638	50.0	477048.0	1.59638	Y
2	IC 410-205625/16	4.0	7.411108	50.0	478896.0	1.852777	Y
3	IC 410-205625/15	10.0	17.888069	50.0	484225.0	1.788807	Y
4	IC 410-205625/14	20.0	36.140879	50.0	488220.0	1.807044	Y
5	ICIS 410-205625/13	50.0	94.808904	50.0	475362.0	1.896178	Y
6	IC 410-205625/12	100.0	189.19976	50.0	490503.0	1.891998	Y
7	IC 410-205625/11	300.0	537.736852	50.0	508650.0	1.792456	Y



Calibration

/ p-Diethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

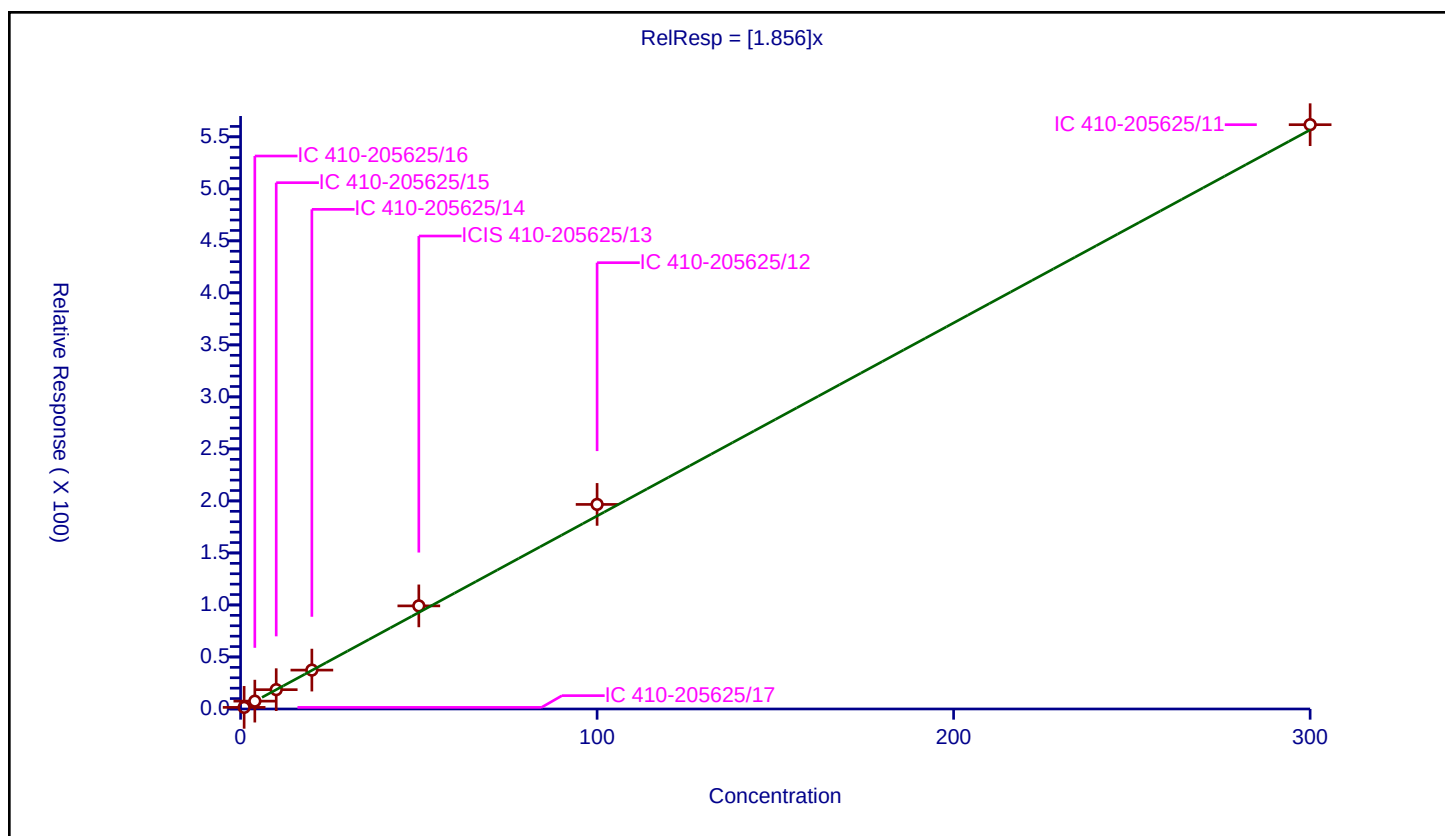
Curve Coefficients

Intercept: 0
Slope: 1.856

Error Coefficients

Standard Error: 2500000
Relative Standard Error: 7.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.553303	50.0	477048.0	1.553303	Y
2	IC 410-205625/16	4.0	7.546524	50.0	478896.0	1.886631	Y
3	IC 410-205625/15	10.0	18.581754	50.0	484225.0	1.858175	Y
4	IC 410-205625/14	20.0	37.392569	50.0	488220.0	1.869628	Y
5	ICIS 410-205625/13	50.0	99.112781	50.0	475362.0	1.982256	Y
6	IC 410-205625/12	100.0	196.658634	50.0	490503.0	1.966586	Y
7	IC 410-205625/11	300.0	561.670107	50.0	508650.0	1.872234	Y



Calibration

/ n-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

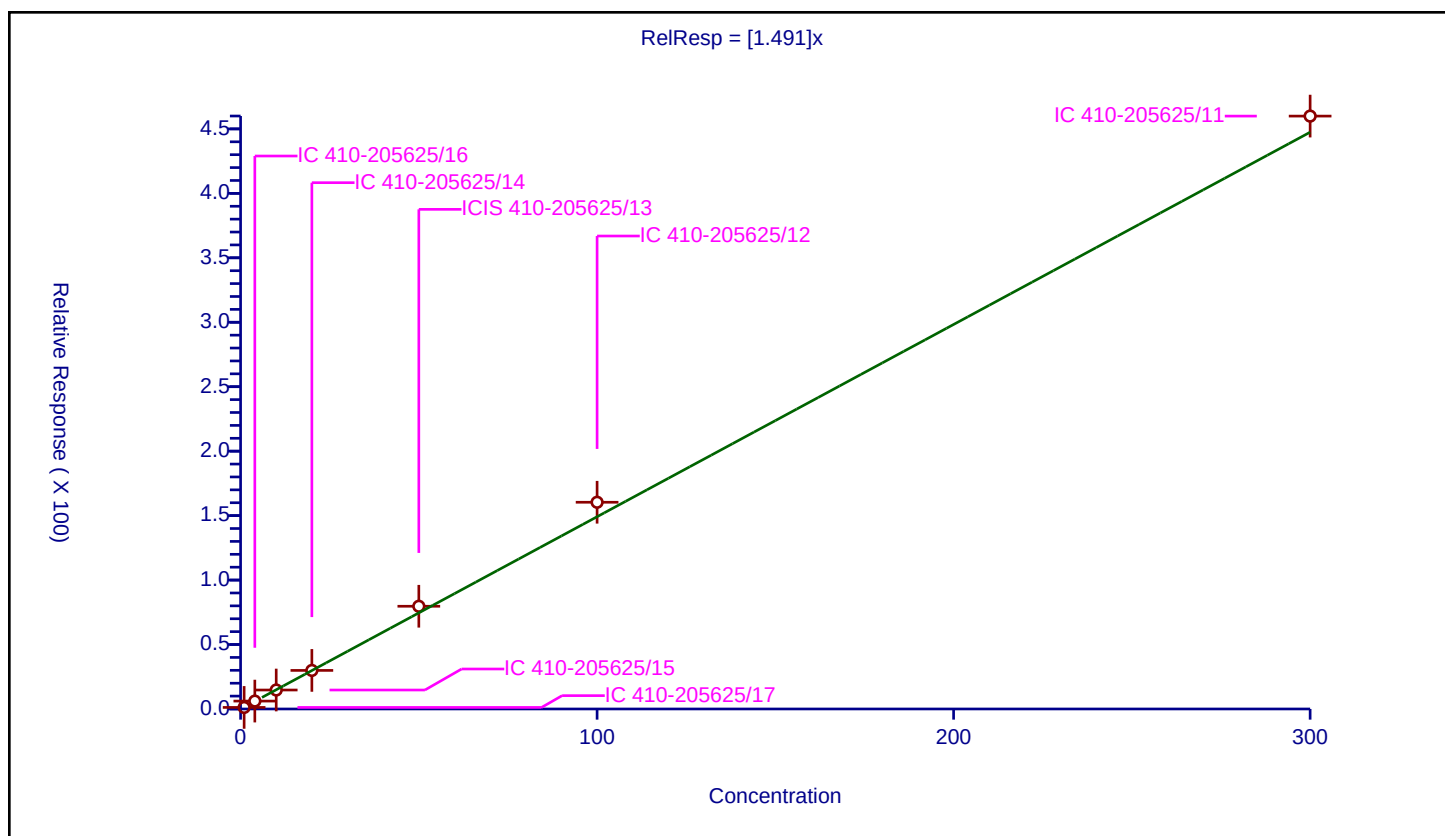
Curve Coefficients

Intercept: 0
 Slope: 1.491

Error Coefficients

Standard Error: 2040000
 Relative Standard Error: 9.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.207111	50.0	477048.0	1.207111	Y
2	IC 410-205625/16	4.0	6.142148	50.0	478896.0	1.535537	Y
3	IC 410-205625/15	10.0	14.711859	50.0	484225.0	1.471186	Y
4	IC 410-205625/14	20.0	29.912847	50.0	488220.0	1.495642	Y
5	ICIS 410-205625/13	50.0	79.694528	50.0	475362.0	1.593891	Y
6	IC 410-205625/12	100.0	160.373841	50.0	490503.0	1.603738	Y
7	IC 410-205625/11	300.0	459.942003	50.0	508650.0	1.53314	Y



Calibration

/ 1,2-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

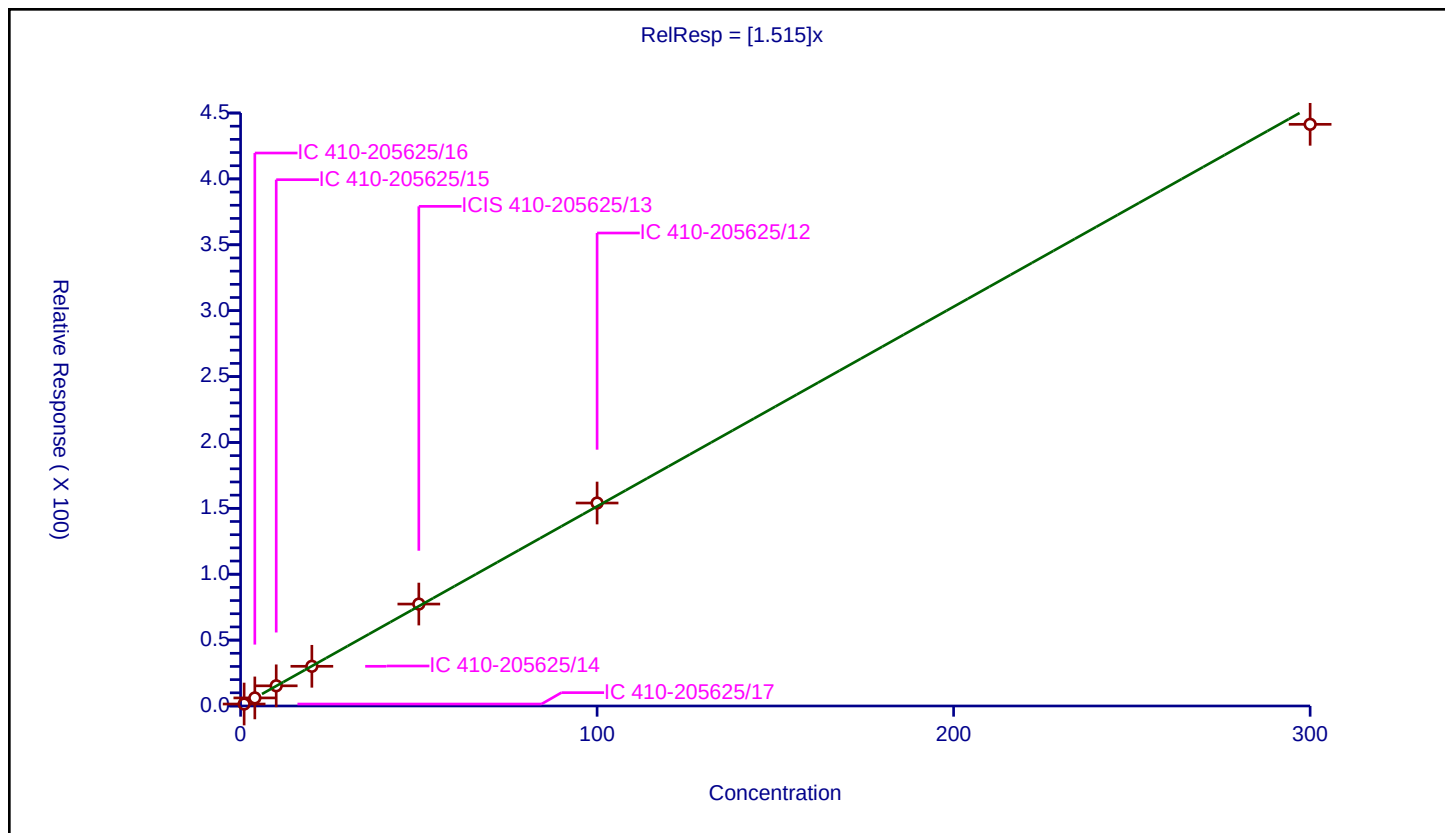
Curve Coefficients

Intercept: 0
 Slope: 1.515

Error Coefficients

Standard Error: 1960000
 Relative Standard Error: 2.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.479516	50.0	477048.0	1.479516	Y
2	IC 410-205625/16	4.0	6.114271	50.0	478896.0	1.528568	Y
3	IC 410-205625/15	10.0	15.313439	50.0	484225.0	1.531344	Y
4	IC 410-205625/14	20.0	30.129143	50.0	488220.0	1.506457	Y
5	ICIS 410-205625/13	50.0	77.347264	50.0	475362.0	1.546945	Y
6	IC 410-205625/12	100.0	154.035857	50.0	490503.0	1.540359	Y
7	IC 410-205625/11	300.0	441.42888	50.0	508650.0	1.47143	Y



Calibration

/ o-diethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

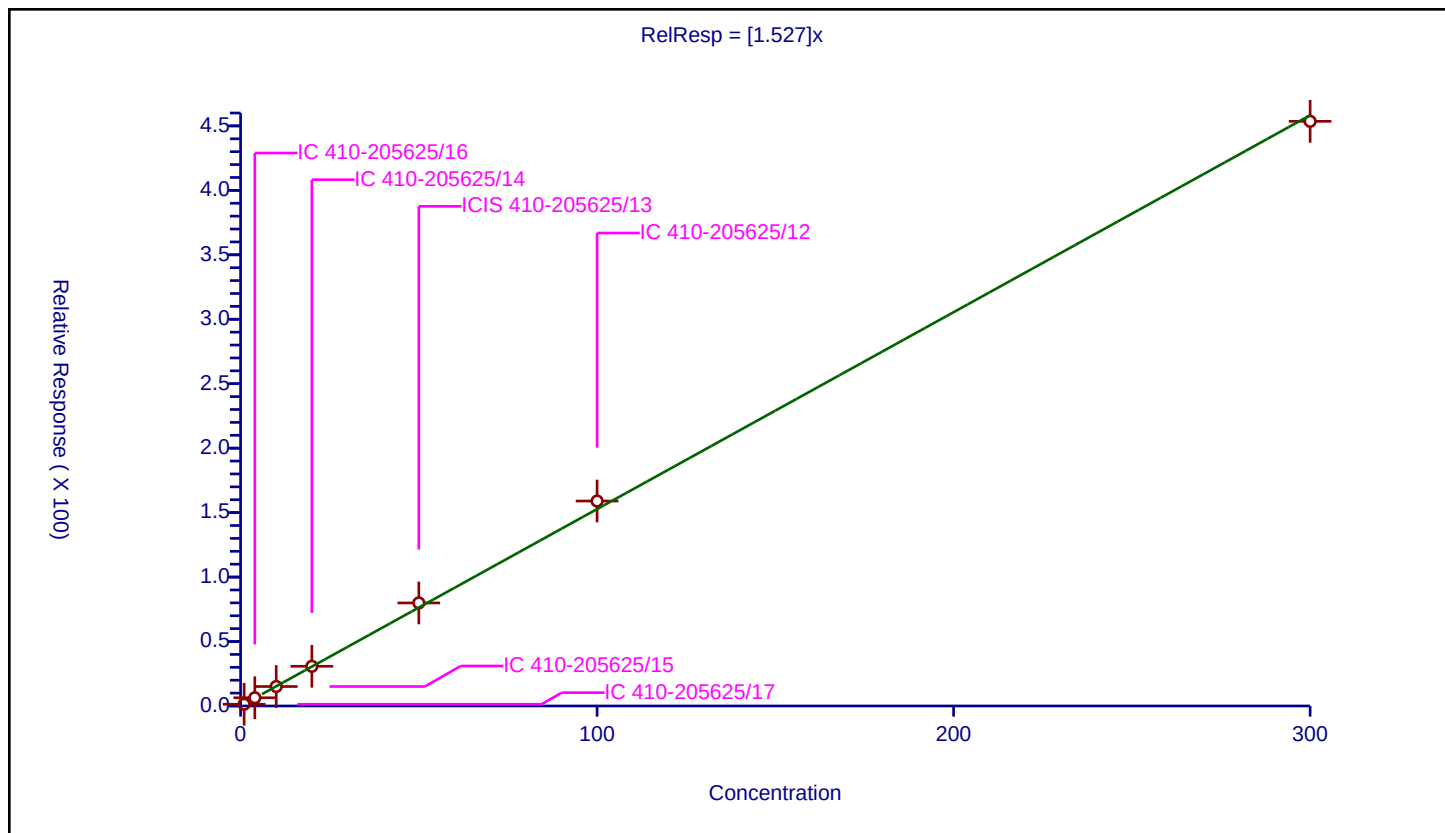
Curve Coefficients

Intercept: 0
 Slope: 1.527

Error Coefficients

Standard Error: 2020000
 Relative Standard Error: 5.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.344833	50.0	477048.0	1.344833	Y
2	IC 410-205625/16	4.0	6.382805	50.0	478896.0	1.595701	Y
3	IC 410-205625/15	10.0	15.118488	50.0	484225.0	1.511849	Y
4	IC 410-205625/14	20.0	30.783663	50.0	488220.0	1.539183	Y
5	ICIS 410-205625/13	50.0	79.949912	50.0	475362.0	1.598998	Y
6	IC 410-205625/12	100.0	158.981698	50.0	490503.0	1.589817	Y
7	IC 410-205625/11	300.0	453.550673	50.0	508650.0	1.511836	Y



Calibration

/ 1,2-Dibromo-3-Chloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

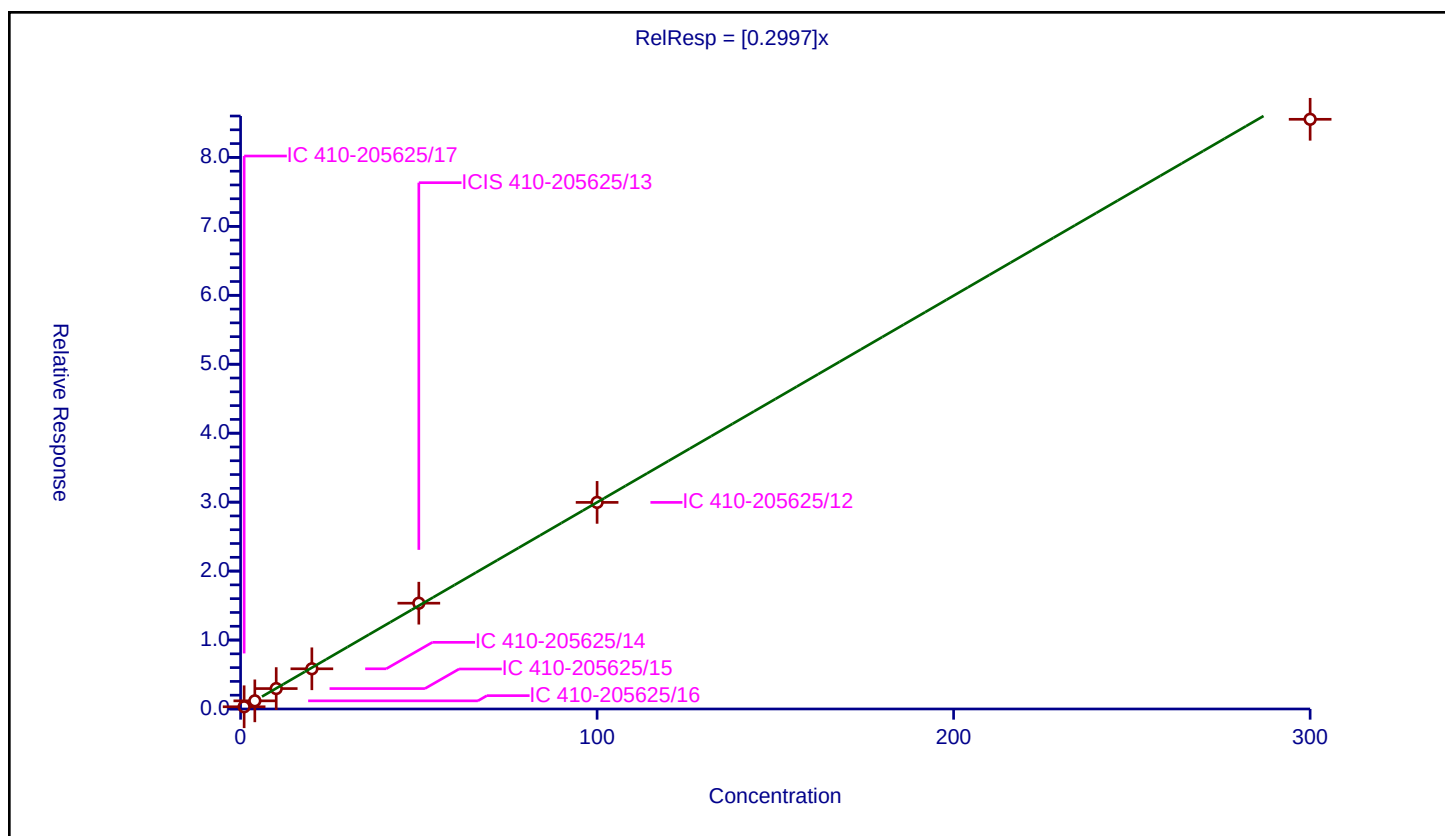
Curve Coefficients

Intercept: 0
Slope: 0.2997

Error Coefficients

Standard Error: 380000
Relative Standard Error: 4.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.323448	50.0	477048.0	0.323448	Y
2	IC 410-205625/16	4.0	1.18272	50.0	478896.0	0.29568	Y
3	IC 410-205625/15	10.0	2.959058	50.0	484225.0	0.295906	Y
4	IC 410-205625/14	20.0	5.828827	50.0	488220.0	0.291441	Y
5	ICIS 410-205625/13	50.0	15.342518	50.0	475362.0	0.30685	Y
6	IC 410-205625/12	100.0	29.963018	50.0	490503.0	0.29963	Y
7	IC 410-205625/11	300.0	85.523543	50.0	508650.0	0.285078	Y



Calibration

/ 1,3,5-Trichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

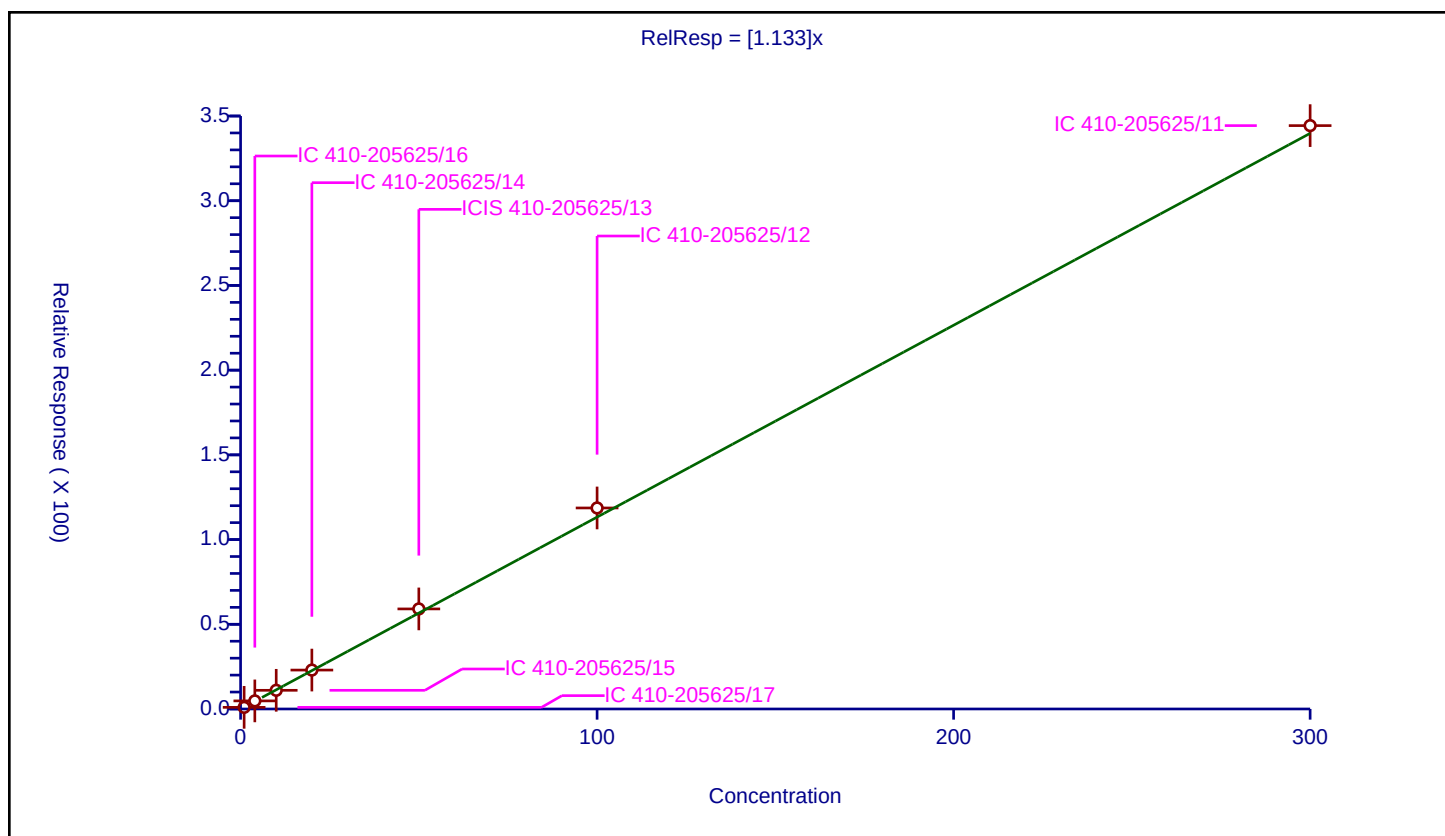
Curve Coefficients

Intercept: 0
Slope: 1.133

Error Coefficients

Standard Error: 1530000
Relative Standard Error: 7.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.965731	50.0	477048.0	0.965731	Y
2	IC 410-205625/16	4.0	4.780579	50.0	478896.0	1.195145	Y
3	IC 410-205625/15	10.0	11.0301	50.0	484225.0	1.10301	Y
4	IC 410-205625/14	20.0	22.965364	50.0	488220.0	1.148268	Y
5	ICIS 410-205625/13	50.0	59.071718	50.0	475362.0	1.181434	Y
6	IC 410-205625/12	100.0	118.652281	50.0	490503.0	1.186523	Y
7	IC 410-205625/11	300.0	344.327534	50.0	508650.0	1.147758	Y



Calibration

/ 1,2,4-Trichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

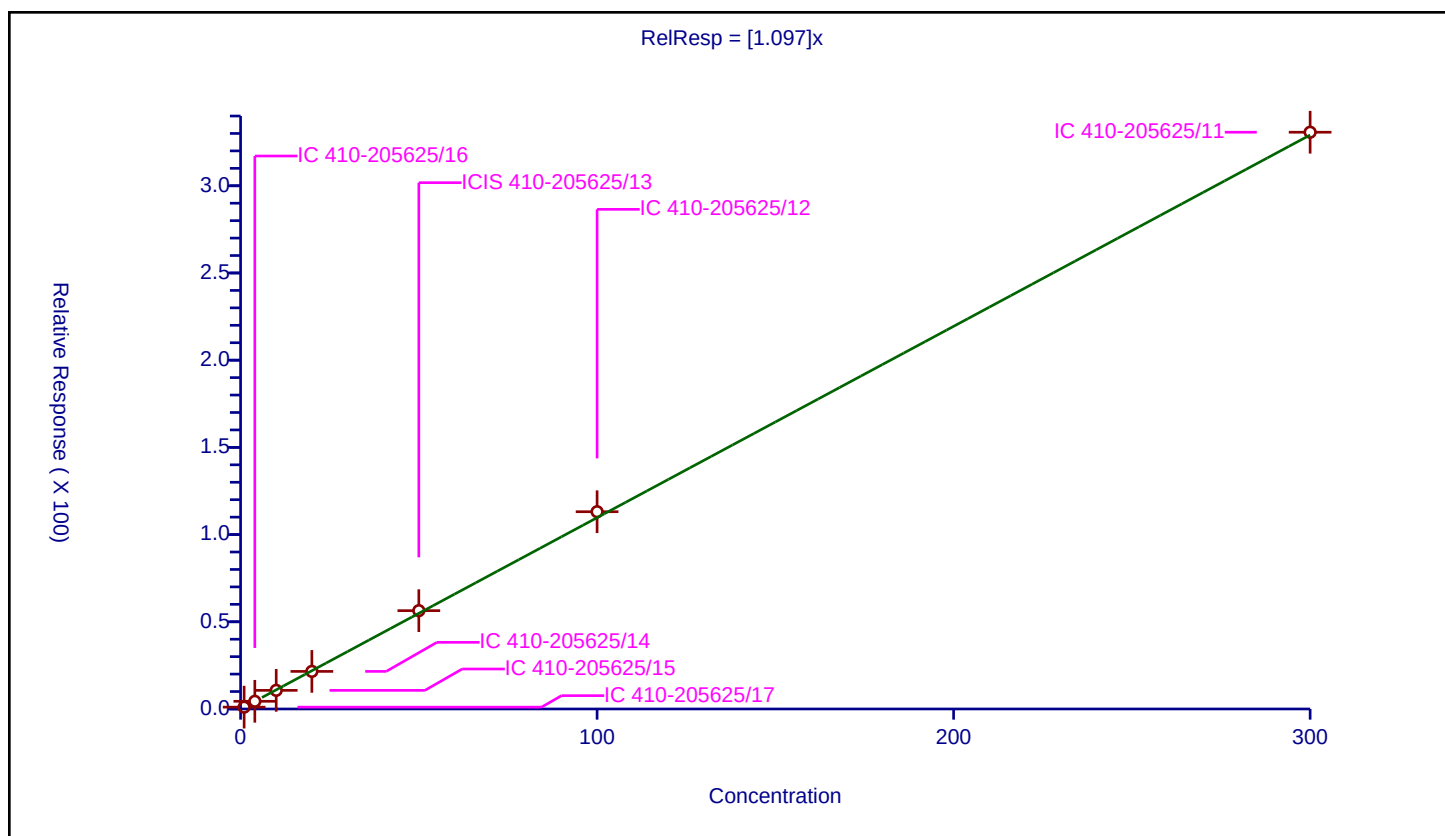
Curve Coefficients

Intercept: 0
Slope: 1.097

Error Coefficients

Standard Error: 1470000
Relative Standard Error: 2.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.06918	50.0	477048.0	1.06918	Y
2	IC 410-205625/16	4.0	4.413693	50.0	478896.0	1.103423	Y
3	IC 410-205625/15	10.0	10.685012	50.0	484225.0	1.068501	Y
4	IC 410-205625/14	20.0	21.545307	50.0	488220.0	1.077265	Y
5	ICIS 410-205625/13	50.0	56.381873	50.0	475362.0	1.127637	Y
6	IC 410-205625/12	100.0	113.114395	50.0	490503.0	1.131144	Y
7	IC 410-205625/11	300.0	330.698811	50.0	508650.0	1.102329	Y



Calibration

/ Hexachlorobutadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

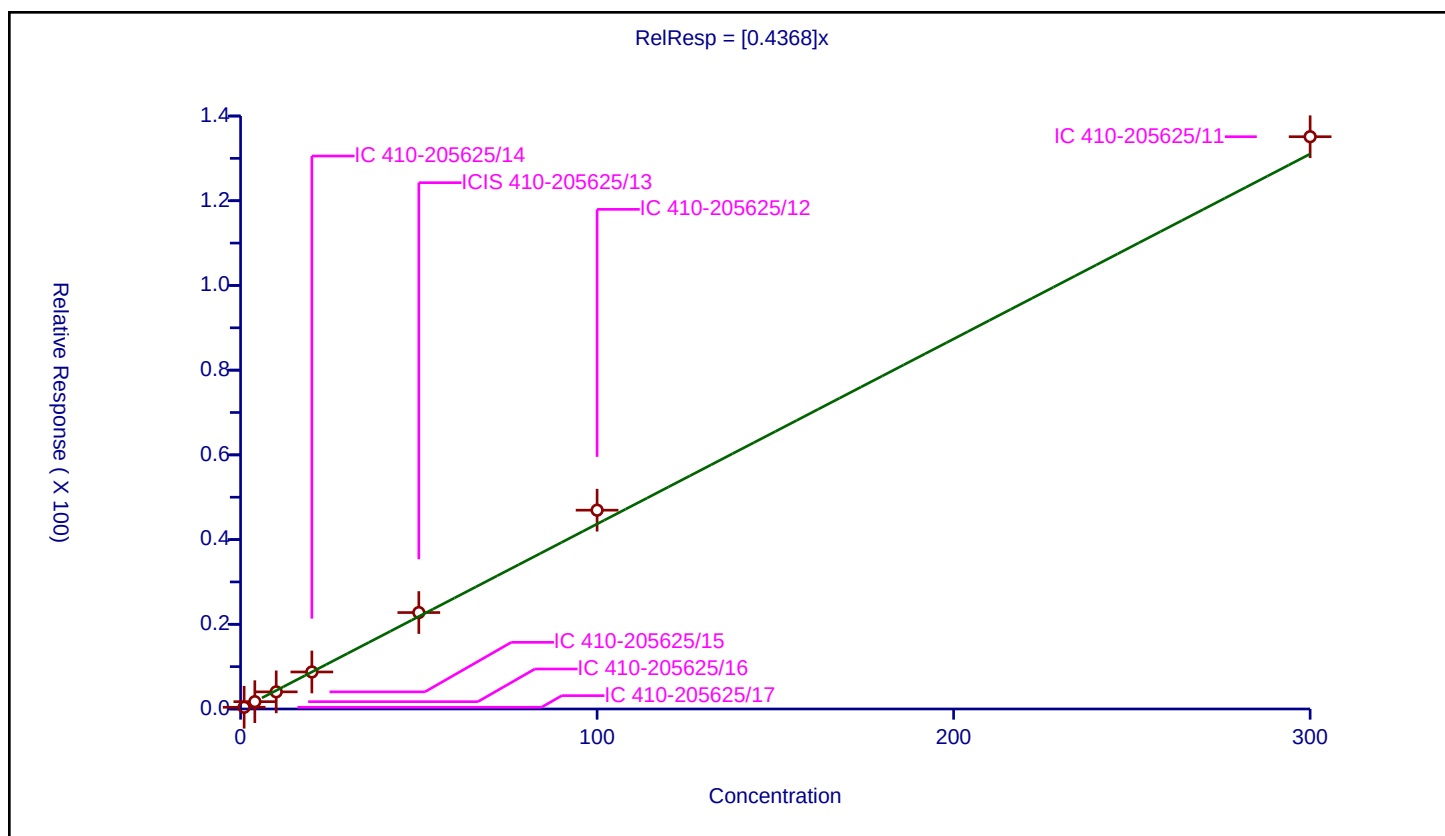
Curve Coefficients

Intercept: 0
Slope: 0.4368

Error Coefficients

Standard Error: 600000
Relative Standard Error: 5.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	0.407925	50.0	477048.0	0.407925	Y
2	IC 410-205625/16	4.0	1.730334	50.0	478896.0	0.432583	Y
3	IC 410-205625/15	10.0	4.046673	50.0	484225.0	0.404667	Y
4	IC 410-205625/14	20.0	8.744931	50.0	488220.0	0.437247	Y
5	ICIS 410-205625/13	50.0	22.768017	50.0	475362.0	0.45536	Y
6	IC 410-205625/12	100.0	46.941201	50.0	490503.0	0.469412	Y
7	IC 410-205625/11	300.0	135.111472	50.0	508650.0	0.450372	Y



Calibration

/ Naphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

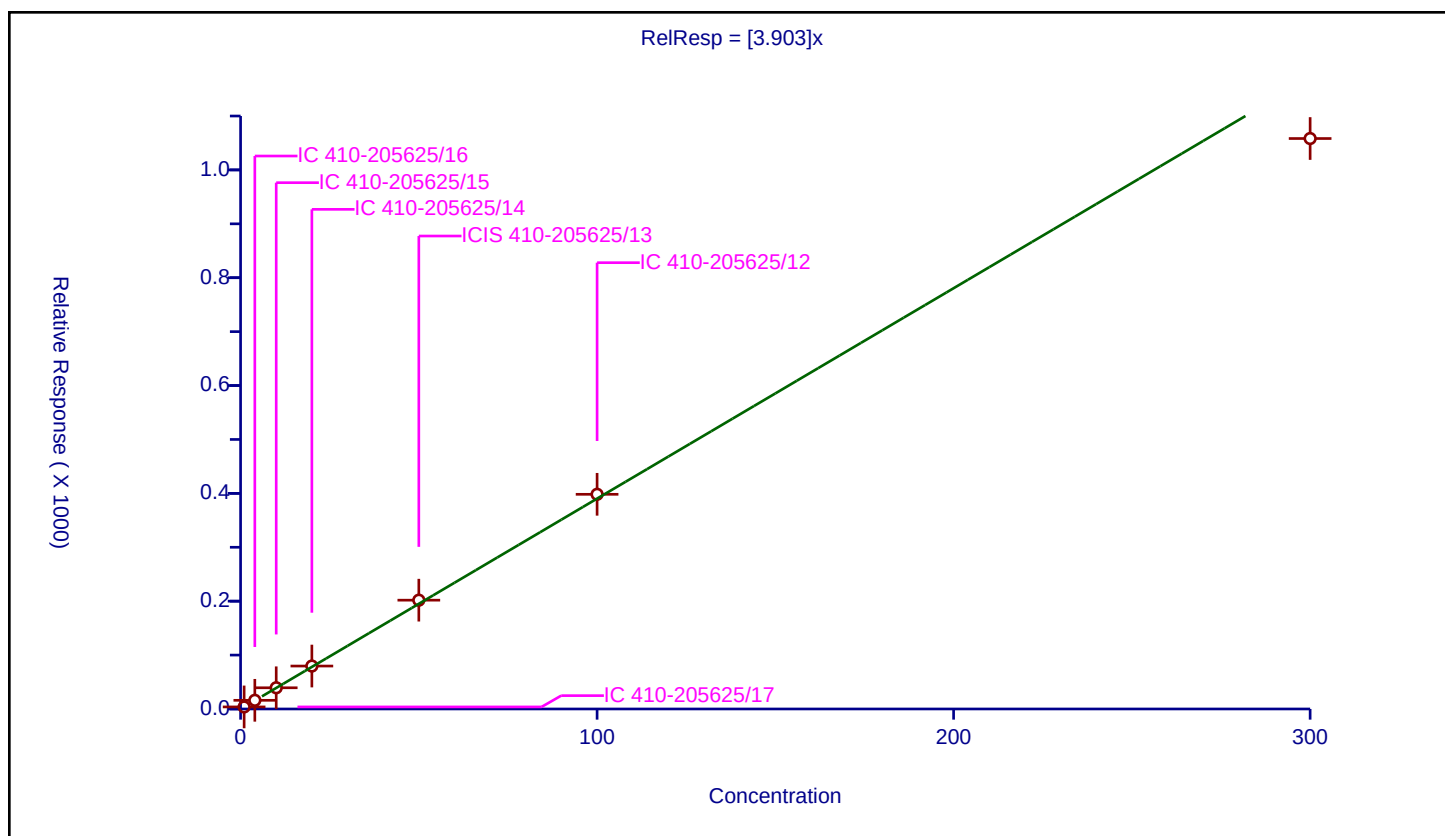
Curve Coefficients

Intercept: 0
Slope: 3.903

Error Coefficients

Standard Error: 4750000
Relative Standard Error: 4.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	3.821838	50.0	477048.0	3.821838	Y
2	IC 410-205625/16	4.0	16.11519	50.0	478896.0	4.028797	Y
3	IC 410-205625/15	10.0	39.365068	50.0	484225.0	3.936507	Y
4	IC 410-205625/14	20.0	79.680267	50.0	488220.0	3.984013	Y
5	ICIS 410-205625/13	50.0	201.875518	50.0	475362.0	4.03751	Y
6	IC 410-205625/12	100.0	398.255057	50.0	490503.0	3.982551	Y
7	IC 410-205625/11	300.0	1058.261182	50.0	508650.0	3.527537	Y



Calibration

/ 1,2,3-Trichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

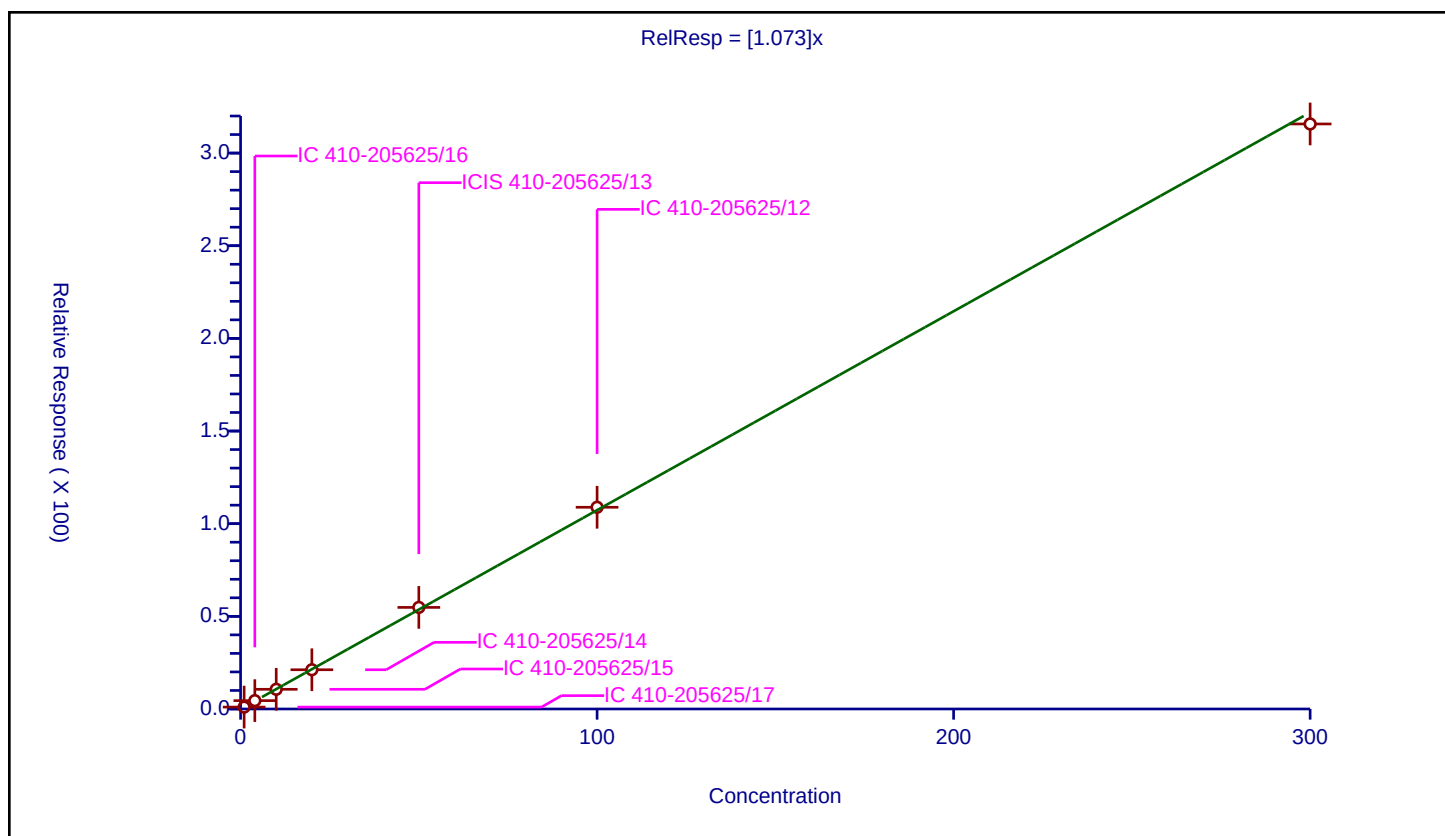
Curve Coefficients

Intercept: 0
Slope: 1.073

Error Coefficients

Standard Error: 1400000
Relative Standard Error: 3.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.025264	50.0	477048.0	1.025264	Y
2	IC 410-205625/16	4.0	4.511731	50.0	478896.0	1.127933	Y
3	IC 410-205625/15	10.0	10.626155	50.0	484225.0	1.062616	Y
4	IC 410-205625/14	20.0	21.176724	50.0	488220.0	1.058836	Y
5	ICIS 410-205625/13	50.0	54.821063	50.0	475362.0	1.096421	Y
6	IC 410-205625/12	100.0	108.86335	50.0	490503.0	1.088634	Y
7	IC 410-205625/11	300.0	315.708149	50.0	508650.0	1.05236	Y



Calibration

/ 2-Methylnaphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

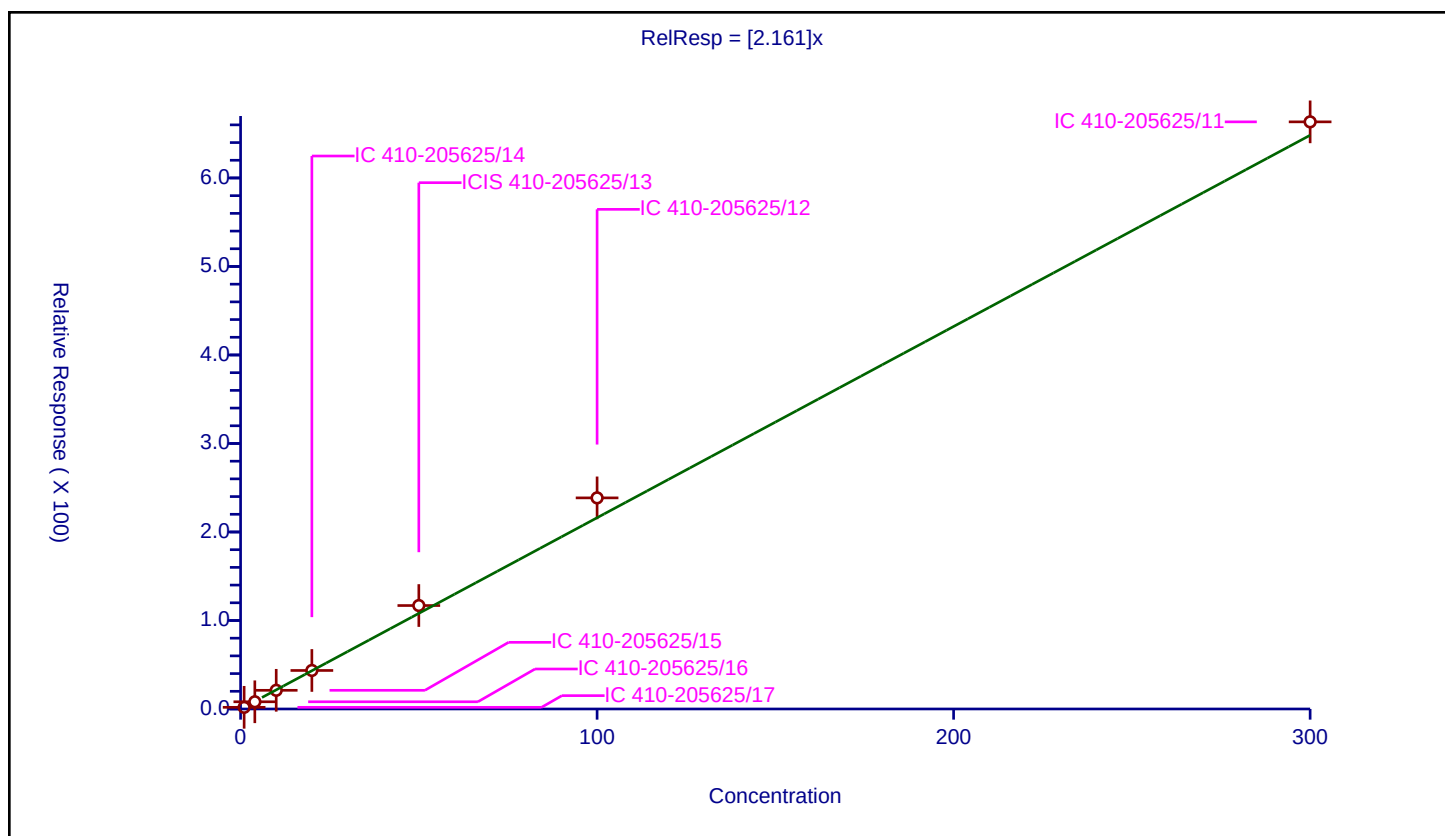
Curve Coefficients

Intercept: 0
Slope: 2.161

Error Coefficients

Standard Error: 2960000
Relative Standard Error: 8.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-205625/17	1.0	1.868994	50.0	477048.0	1.868994	Y
2	IC 410-205625/16	4.0	8.148847	50.0	478896.0	2.037212	Y
3	IC 410-205625/15	10.0	21.101244	50.0	484225.0	2.110124	Y
4	IC 410-205625/14	20.0	43.509586	50.0	488220.0	2.175479	Y
5	ICIS 410-205625/13	50.0	116.883028	50.0	475362.0	2.337661	Y
6	IC 410-205625/12	100.0	238.542374	50.0	490503.0	2.385424	Y
7	IC 410-205625/11	300.0	663.39595	50.0	508650.0	2.21132	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1

SDG No.: _____

Lab Sample ID: ICV 410-205625/18 Calibration Date: 12/15/2021 16:55

Instrument ID: 9137 Calib Start Date: 12/15/2021 14:37

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 12/15/2021 16:35

Lab File ID: WD15V11.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3521	0.4128	0.1000	23.4	20.0	17.2	30.0
Chloromethane	Ave	0.4730	0.4781	0.1000	20.2	20.0	1.1	30.0
1,3-Butadiene	Ave	0.4781	0.4622		19.3	20.0	-3.3	30.0
Vinyl chloride	Ave	0.4704	0.4441	0.1000	18.9	20.0	-5.6	30.0
Bromomethane	Ave	0.2670	0.2567	0.1000	19.2	20.0	-3.9	30.0
Chloroethane	Ave	0.2611	0.2508	0.1000	19.2	20.0	-3.9	30.0
Dichlorofluoromethane	Ave	0.5713	0.5569		19.5	20.0	-2.5	30.0
n-Pentane	Ave	0.6229	0.7103		22.8	20.0	14.0	30.0
Trichlorofluoromethane	Ave	0.4824	0.4693	0.1000	19.5	20.0	-2.7	30.0
Ethanol	Ave	0.0944	0.0890		942	1000	-5.8	30.0
Freon 123a	Ave	0.4038	0.3744		18.5	20.0	-7.3	30.0
Acrolein	Ave	1.909	2.022		159	150	5.9	30.0
1,1-Dichloroethene	Ave	0.2627	0.2698	0.1000	20.5	20.0	2.7	30.0
Freon 113	Ave	0.2453	0.2817	0.1000	23.0	20.0	14.8	30.0
Acetone	Ave	0.9006	0.9227	0.1000	256	250	2.4	30.0
2-Propanol	Ave	0.6443	0.6571		153	150	2.0	30.0
Methyl iodide	Ave	0.4145	0.4449		21.5	20.0	7.3	30.0
Carbon disulfide	Ave	0.7546	0.8126	0.1000	21.5	20.0	7.7	30.0
Allyl chloride	Ave	0.5375	0.5550		20.7	20.0	3.3	30.0
Methyl acetate	Ave	0.4241	0.4631	0.1000	21.8	20.0	9.2	30.0
Methylene Chloride	Ave	0.2980	0.3005	0.1000	20.2	20.0	0.8	30.0
t-Butyl alcohol	Ave	1.223	1.245		204	200	1.8	30.0
Acrylonitrile	Ave	0.2070	0.2133		103	100	3.1	30.0
trans-1,2-Dichloroethene	Ave	0.2834	0.2709	0.1000	19.1	20.0	-4.4	30.0
Methyl tertiary butyl ether	Ave	0.9445	0.9836	0.1000	20.8	20.0	4.1	30.0
n-Hexane	Ave	0.5236	0.5354		20.4	20.0	2.2	30.0
1,1-Dichloroethane	Ave	0.5564	0.5497	0.2000	19.8	20.0	-1.2	30.0
di-Isopropyl ether	Ave	1.093	1.113		20.4	20.0	1.8	30.0
2-Chloro-1,3-butadiene	Ave	0.4948	0.5113		20.7	20.0	3.3	30.0
Ethyl t-butyl ether	Ave	0.998	1.035		20.7	20.0	3.7	30.0
2-Butanone	Ave	0.3083	0.3024	0.1000	245	250	-1.9	30.0
cis-1,2-Dichloroethene	Ave	0.3065	0.3115	0.1000	20.3	20.0	1.6	30.0
2,2-Dichloropropane	Ave	0.4521	0.4485		19.8	20.0	-0.8	30.0
Propionitrile	Ave	1.371	1.483		162	150	8.2	30.0
Methacrylonitrile	Ave	0.2068	0.2137		155	150	3.3	30.0
Bromochloromethane	Ave	0.1441	0.1469		20.4	20.0	1.9	30.0
Tetrahydrofuran	Ave	1.204	1.308		109	100	8.6	30.0
Chloroform	Ave	0.4787	0.4793	0.2000	20.0	20.0	0.1	30.0
1,1,1-Trichloroethane	Ave	0.4282	0.4290	0.1000	20.0	20.0	0.2	30.0
Cyclohexane	Ave	0.6302	0.6474	0.1000	20.5	20.0	2.7	30.0
1,1-Dichloropropene	Ave	0.4227	0.4294		20.3	20.0	1.6	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1

SDG No.: _____

Lab Sample ID: ICV 410-205625/18 Calibration Date: 12/15/2021 16:55

Instrument ID: 9137 Calib Start Date: 12/15/2021 14:37

GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 12/15/2021 16:35

Lab File ID: WD15V11.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.3512	0.3448	0.1000	19.6	20.0	-1.8	30.0
Isobutyl alcohol	Ave	0.3971	0.3970		500	500	-0.0	30.0
Benzene	Ave	1.237	1.253	0.5000	20.3	20.0	1.3	30.0
1,2-Dichloroethane	Ave	0.3946	0.3990	0.1000	20.2	20.0	1.1	30.0
t-Amyl methyl ether	Ave	0.9455	0.9674		20.5	20.0	2.3	30.0
n-Heptane	Ave	0.5817	0.5638		19.4	20.0	-3.1	30.0
n-Butanol	Ave	0.3345	0.3450		1030	1000	3.1	30.0
Trichloroethene	Ave	0.2957	0.2865	0.2000	19.4	20.0	-3.1	30.0
Methylcyclohexane	Ave	0.6153	0.6046	0.1000	19.7	20.0	-1.7	30.0
1,2-Dichloropropane	Ave	0.3370	0.3467	0.1000	20.6	20.0	2.9	30.0
t-Amyl ethyl ether	Ave	0.4616	0.4749		20.6	20.0	2.9	30.0
Dibromomethane	Ave	0.1824	0.1842		20.2	20.0	1.0	30.0
Methyl methacrylate	Ave	0.3116	0.3177		20.4	20.0	2.0	30.0
1,4-Dioxane	Ave	0.0704	0.0730	0.0050	519	500	3.7	30.0
Bromodichloromethane	Ave	0.3463	0.3510	0.2000	20.3	20.0	1.4	30.0
2-Nitropropane	Ave	1.968	1.969		20.0	20.0	0.0	30.0
2-Chloroethyl vinyl ether	Ave	0.2672	0.2599		19.4	20.0	-2.8	30.0
cis-1,3-Dichloropropene	Ave	0.4921	0.4870	0.2000	19.8	20.0	-1.0	30.0
4-Methyl-2-pentanone	Ave	0.5873	0.5842	0.1000	249	250	-0.5	30.0
Toluene	Ave	1.078	1.046	0.4000	19.4	20.0	-2.9	30.0
trans-1,3-Dichloropropene	Ave	0.6083	0.6303	0.1000	20.7	20.0	3.6	30.0
Ethyl methacrylate	Ave	0.6784	0.7040		20.8	20.0	3.8	30.0
1,1,2-Trichloroethane	Ave	0.3623	0.3814	0.1000	21.1	20.0	5.3	30.0
Tetrachloroethene	Ave	0.4294	0.4273	0.2000	19.9	20.0	-0.5	30.0
1,3-Dichloropropane	Ave	0.6627	0.6663		20.1	20.0	0.5	30.0
2-Hexanone	Ave	0.6013	0.6159	0.1000	256	250	2.4	30.0
Dibromochloromethane	Ave	0.3719	0.3783		20.3	20.0	1.7	30.0
1,2-Dibromoethane	Ave	0.3922	0.4030	0.1000	20.5	20.0	2.7	30.0
1-Chlorohexane	Ave	0.5795	0.5640		19.5	20.0	-2.7	30.0
Chlorobenzene	Ave	1.086	1.088	0.5000	20.0	20.0	0.1	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3618	0.3698		20.4	20.0	2.2	30.0
Ethylbenzene	Ave	1.954	1.949	0.1000	19.9	20.0	-0.3	30.0
m&p-Xylene	Ave	0.7534	0.7600	0.1000	40.4	40.0	0.9	30.0
o-Xylene	Ave	0.7508	0.7548	0.3000	20.1	20.0	0.5	30.0
Styrene	Ave	1.223	1.233	0.3000	20.2	20.0	0.8	30.0
Bromoform	Ave	0.2775	0.2760	0.1000	19.9	20.0	-0.5	30.0
Isopropylbenzene	Ave	1.924	1.982	0.1000	20.6	20.0	3.1	30.0
Cyclohexanone	Ave	0.3049	0.3005		493	500	-1.5	30.0
1,1,2,2-Tetrachloroethane	Ave	1.162	1.196	0.3000	20.6	20.0	2.9	30.0
Bromobenzene	Ave	0.7966	0.8229		20.7	20.0	3.3	30.0
1,2,3-Trichloropropane	Ave	0.3393	0.3439		20.3	20.0	1.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
 SDG No.: _____
 Lab Sample ID: ICV 410-205625/18 Calibration Date: 12/15/2021 16:55
 Instrument ID: 9137 Calib Start Date: 12/15/2021 14:37
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 12/15/2021 16:35
 Lab File ID: WD15V11.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,4-Dichloro-2-butene	Ave	0.3956	0.4004		101	100	1.2	30.0
N-Propylbenzene	Ave	4.031	3.995		19.8	20.0	-0.9	30.0
2-Chlorotoluene	Ave	0.7854	0.7824		19.9	20.0	-0.4	30.0
1,3,5-Trimethylbenzene	Ave	2.847	2.856		20.1	20.0	0.3	30.0
4-Chlorotoluene	Ave	0.7906	0.7970		20.2	20.0	0.8	30.0
tert-Butylbenzene	Ave	0.5944	0.5872		19.8	20.0	-1.2	30.0
1,2,4-Trimethylbenzene	Ave	2.897	2.948		20.3	20.0	1.7	30.0
sec-Butylbenzene	Ave	3.540	3.609		20.4	20.0	2.0	30.0
1,3-Dichlorobenzene	Ave	1.538	1.533	0.6000	19.9	20.0	-0.3	30.0
p-Isopropyltoluene	Ave	3.005	3.108		20.7	20.0	3.5	30.0
1,4-Dichlorobenzene	Ave	1.594	1.610	0.5000	20.2	20.0	1.0	30.0
1,2,3-Trimethylbenzene	Ave	2.959	3.046		20.6	20.0	2.9	30.0
Benzyl chloride	Ave	2.264	2.245		19.8	20.0	-0.8	30.0
1,3-Diethylbenzene	Ave	1.804	1.800		20.0	20.0	-0.2	30.0
1,4-Diethylbenzene	Ave	1.856	1.900		20.5	20.0	2.4	30.0
n-Butylbenzene	Ave	1.491	1.496		20.1	20.0	0.3	30.0
1,2-Dichlorobenzene	Ave	1.515	1.547	0.4000	20.4	20.0	2.1	30.0
1,2-Diethylbenzene	Ave	1.527	1.551		20.3	20.0	1.6	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2997	0.2845	0.0500	19.0	20.0	-5.1	30.0
1,3,5-Trichlorobenzene	Ave	1.133	1.155		20.4	20.0	2.0	30.0
1,2,4-Trichlorobenzene	Ave	1.097	1.103	0.2000	20.1	20.0	0.6	30.0
Hexachlorobutadiene	Ave	0.4368	0.4237		19.4	20.0	-3.0	30.0
Naphthalene	Ave	3.903	4.019		20.6	20.0	3.0	30.0
1,2,3-Trichlorobenzene	Ave	1.073	1.116		20.8	20.0	4.0	30.0
2-Methylnaphthalene	Ave	2.161	2.188		20.2	20.0	1.2	30.0
Dibromofluoromethane (Surr)	Ave	0.2337	0.2331		49.9	50.0	-0.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0649	0.0643		49.6	50.0	-0.9	30.0
Toluene-d8 (Surr)	Ave	1.411	1.420		50.3	50.0	0.7	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5050	0.5077		50.3	50.0	0.5	30.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15V11.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 15-Dec-2021 16:55:30 ALS Bottle#: 18 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0046415-018
 Misc. Info.: ICV
 Operator ID: jml01693 Instrument ID: 9137
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\MSVoa_9137.m
 Limit Group: MSV - 8260C_D
 Last Update: 16-Dec-2021 15:05:18 Calib Date: 15-Dec-2021 16:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15I17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: longj

Date: 16-Dec-2021 13:47:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.348	1.354	-0.006	100	195863	20.0	23.4	
5 Chloromethane	50	1.479	1.486	-0.007	100	226833	20.0	20.2	
8 Butadiene	39	1.550	1.553	-0.003	95	219307	20.0	19.3	
7 Vinyl chloride	62	1.559	1.563	-0.004	98	210706	20.0	18.9	
10 Bromomethane	94	1.784	1.790	-0.006	90	121813	20.0	19.2	
11 Chloroethane	64	1.823	1.826	-0.003	100	119011	20.0	19.2	
13 Dichlorofluoromethane	67	1.980	1.980	0.000	99	264200	20.0	19.5	
15 Pentane	43	2.038	2.047	-0.009	97	336982	20.0	22.8	
14 Trichlorofluoromethane	101	2.038	2.047	-0.009	57	222669	20.0	19.5	
16 Ethanol	45	2.134	2.131	0.003	96	123485	999.9	942.3	
18 1,2-Dichloro-1,1,2-trifluoroetha	67	2.208	2.227	-0.019	96	177617	20.0	18.5	
19 Acrolein	56	2.301	2.307	-0.006	98	421975	150.3	159.3	
20 1,1-Dichloroethene	96	2.397	2.400	-0.003	98	128023	20.0	20.5	
22 Acetone	58	2.432	2.423	0.009	100	320201	250.0	256.1	
21 112TCTFE	101	2.419	2.429	-0.010	76	133630	20.0	23.0	
23 Isopropyl alcohol	45	2.496	2.535	-0.039	36	136835	150.0	153.0	
24 Iodomethane	142	2.532	2.535	-0.003	97	211102	20.0	21.5	
25 Carbon disulfide	76	2.596	2.605	-0.009	99	385523	20.0	21.5	
26 3-Chloro-1-propene	41	2.695	2.702	-0.007	92	263335	20.0	20.7	
27 Methyl acetate	43	2.705	2.715	-0.010	68	219728	20.0	21.8	M
28 Methylene Chloride	84	2.805	2.808	-0.003	97	142587	20.0	20.2	
* 30 t-Butyl alcohol-d10 (IS)	65	2.833	2.833	0.000	99	347042	250.0	250.0	
31 2-Methyl-2-propanol	59	2.904	2.907	-0.003	98	345525	200.0	203.5	
32 Acrylonitrile	53	3.023	3.019	0.004	99	506119	100.0	103.1	
34 Methyl tert-butyl ether	73	3.055	3.058	-0.003	95	466659	20.0	20.8	
33 trans-1,2-Dichloroethene	96	3.052	3.058	-0.006	96	128526	20.0	19.1	
35 Hexane	57	3.312	3.315	-0.003	94	254010	20.0	20.4	
36 1,1-Dichloroethane	63	3.437	3.440	-0.003	96	260801	20.0	19.8	
37 Isopropyl ether	45	3.504	3.510	-0.006	95	528013	20.0	20.4	
38 2-Chloro-1,3-butadiene	53	3.527	3.530	-0.003	93	242574	20.0	20.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	3.847	3.854	-0.007	99	491177	20.0	20.7	
43 2-Butanone (MEK)	43	3.976	3.979	-0.003	100	1793235	250.0	245.2	
41 cis-1,2-Dichloroethene	96	3.989	3.992	-0.003	86	147776	20.0	20.3	
42 2,2-Dichloropropane	77	3.995	4.001	-0.006	86	212794	20.0	19.8	
44 Propionitrile	54	4.034	4.037	-0.003	97	308834	150.0	162.3	
45 Methacrylonitrile	67	4.191	4.187	0.004	94	760517	150.0	155.0	
46 Chlorobromomethane	128	4.213	4.223	-0.010	97	69702	20.0	20.4	
47 Tetrahydrofuran	71	4.249	4.255	-0.006	82	181629	100.0	108.6	
48 Chloroform	83	4.293	4.293	0.000	95	227407	20.0	20.0	
\$ 50 Dibromofluoromethane (Surr)	113	4.451	4.454	-0.003	94	276470	50.0	49.9	
51 1,1,1-Trichloroethane	97	4.483	4.486	-0.003	98	203558	20.0	20.0	
53 Cyclohexane	56	4.541	4.547	-0.006	93	307156	20.0	20.5	
54 1,1-Dichloropropene	75	4.637	4.640	-0.003	96	203743	20.0	20.3	
55 Carbon tetrachloride	117	4.650	4.656	-0.006	84	163611	20.0	19.6	
56 Isobutyl alcohol	41	4.746	4.749	-0.003	95	275534	500.0	499.9	
\$ 57 1,2-Dichloroethane-d4 (Surr)	102	4.778	4.788	-0.010	95	76263	50.0	49.6	
58 Benzene	78	4.842	4.845	-0.003	97	594369	20.0	20.3	
59 1,2-Dichloroethane	62	4.858	4.858	0.000	98	189323	20.0	20.2	
60 Tert-amyl methyl ether	73	4.971	4.970	0.001	98	459001	20.0	20.5	
* 61 Fluorobenzene (IS)	96	5.121	5.124	-0.003	97	1186131	50.0	50.0	
62 n-Heptane	43	5.125	5.128	-0.003	83	267505	20.0	19.4	
63 n-Butanol	56	5.426	5.429	-0.003	90	478866	1000.0	1031.2	
64 Trichloroethene	95	5.500	5.497	0.003	98	135922	20.0	19.4	
66 Methylcyclohexane	83	5.705	5.708	-0.003	94	286833	20.0	19.7	
67 1,2-Dichloropropane	63	5.725	5.725	0.000	98	164500	20.0	20.6	
68 2-ethoxy-2-methyl butane	87	5.779	5.779	0.000	92	225315	20.0	20.6	
69 Dibromomethane	93	5.840	5.843	-0.003	95	87411	20.0	20.2	
70 Methyl methacrylate	69	5.856	5.856	0.000	94	150750	20.0	20.4	
71 1,4-Dioxane	88	5.863	5.869	-0.006	36	50659	500.0	518.7	
72 Dichlorobromomethane	83	6.017	6.013	0.004	99	166541	20.0	20.3	
74 2-Nitropropane	41	6.254	6.254	0.000	98	54670	20.0	20.0	
75 2-Chloroethyl vinyl ether	63	6.341	6.344	-0.003	91	123305	20.0	19.4	
77 cis-1,3-Dichloropropene	75	6.492	6.491	0.001	95	231072	20.0	19.8	
78 4-Methyl-2-pentanone (MIBK)	43	6.665	6.668	-0.003	97	3464941	250.0	248.7	
\$ 79 Toluene-d8 (Surr)	98	6.784	6.783	0.001	94	1230632	50.0	50.3	
80 Toluene	92	6.857	6.857	0.000	97	362771	20.0	19.4	
81 trans-1,3-Dichloropropene	75	7.098	7.098	0.000	94	218481	20.0	20.7	
84 Ethyl methacrylate	69	7.217	7.217	0.000	92	244028	20.0	20.8	
87 1,1,2-Trichloroethane	97	7.294	7.290	0.004	91	132201	20.0	21.1	
88 Tetrachloroethene	166	7.441	7.438	0.003	98	148127	20.0	19.9	
89 1,3-Dichloropropane	76	7.464	7.461	0.003	93	230969	20.0	20.1	
90 2-Hexanone	43	7.560	7.560	0.000	97	2668760	250.0	256.1	
92 Chlorodibromomethane	129	7.682	7.685	-0.003	90	131131	20.0	20.3	
93 Ethylene Dibromide	107	7.791	7.791	0.000	97	139693	20.0	20.5	
* 94 Chlorobenzene-d5 (IS)	117	8.228	8.231	-0.003	87	866634	50.0	50.0	
95 1-Chlorohexane	91	8.250	8.250	0.000	92	195523	20.0	19.5	
96 Chlorobenzene	112	8.253	8.256	-0.003	94	377075	20.0	20.0	
97 1,1,1,2-Tetrachloroethane	131	8.333	8.333	0.000	96	128188	20.0	20.4	
98 Ethylbenzene	91	8.362	8.362	0.000	98	675613	20.0	19.9	
99 m-Xylene & p-Xylene	106	8.465	8.465	0.000	100	526940	40.0	40.4	
101 o-Xylene	106	8.802	8.802	0.000	96	261670	20.0	20.1	
102 Styrene	104	8.812	8.811	0.001	95	427449	20.0	20.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
103 Bromoform	173	8.953	8.956	-0.003	97	95691	20.0	19.9	
104 Isopropylbenzene	105	9.107	9.107	0.000	96	687229	20.0	20.6	
105 Cyclohexanone	55	9.174	9.171	0.003	94	208573	500.0	492.7	
\$ 106 4-Bromofluorobenzene (Surr)	95	9.222	9.222	0.000	90	439950	50.0	50.3	
108 Bromobenzene	156	9.338	9.338	0.000	94	161002	20.0	20.7	
109 1,1,2,2-Tetrachloroethane	83	9.338	9.341	-0.003	92	233927	20.0	20.6	
110 1,2,3-Trichloropropane	110	9.367	9.370	-0.003	85	67285	20.0	20.3	
111 trans-1,4-Dichloro-2-butene	53	9.383	9.383	0.000	94	391698	100.0	101.2	
112 N-Propylbenzene	91	9.431	9.431	0.000	99	781692	20.0	19.8	
113 2-Chlorotoluene	126	9.492	9.492	0.000	96	153075	20.0	19.9	
114 1,3,5-Trimethylbenzene	105	9.566	9.566	0.000	95	558702	20.0	20.1	
115 4-Chlorotoluene	126	9.575	9.575	0.000	99	155924	20.0	20.2	
116 tert-Butylbenzene	134	9.813	9.813	0.000	94	114886	20.0	19.8	
118 1,2,4-Trimethylbenzene	105	9.848	9.845	0.003	97	576676	20.0	20.3	
119 sec-Butylbenzene	105	9.973	9.973	0.000	94	706157	20.0	20.4	
121 1,3-Dichlorobenzene	146	10.050	10.047	0.003	99	299993	20.0	19.9	
123 4-Isopropyltoluene	119	10.079	10.076	0.003	97	608123	20.0	20.7	
* 124 1,4-Dichlorobenzene-d4	152	10.095	10.095	0.000	96	489112	50.0	50.0	
125 1,4-Dichlorobenzene	146	10.114	10.111	0.003	96	314907	20.0	20.2	
126 1,2,3-Trimethylbenzene	105	10.153	10.153	0.000	99	595857	20.0	20.6	
127 Benzyl chloride	91	10.211	10.211	0.000	99	439262	20.0	19.8	
128 1,3-Diethylbenzene	119	10.291	10.291	0.000	95	352119	20.0	20.0	
129 p-Diethylbenzene	119	10.352	10.352	0.000	94	371745	20.0	20.5	
130 n-Butylbenzene	92	10.368	10.368	0.000	97	292730	20.0	20.1	
131 1,2-Dichlorobenzene	146	10.378	10.381	-0.003	98	302631	20.0	20.4	
132 o-diethylbenzene	119	10.435	10.432	0.003	95	303538	20.0	20.3	
133 1,2-Dibromo-3-Chloropropane	75	10.917	10.917	0.000	81	55660	20.0	19.0	
134 1,3,5-Trichlorobenzene	180	11.061	11.061	0.000	98	225911	20.0	20.4	
136 1,2,4-Trichlorobenzene	180	11.469	11.468	0.001	94	215876	20.0	20.1	
137 Hexachlorobutadiene	225	11.581	11.581	0.000	95	82901	20.0	19.4	
138 Naphthalene	128	11.632	11.632	0.000	97	786386	20.0	20.6	
139 1,2,3-Trichlorobenzene	180	11.789	11.786	0.003	96	218331	20.0	20.8	
140 2-Methylnaphthalene	142	12.354	12.354	0.000	97	428030	20.0	20.2	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00031	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00036	Amount Added: 50.00	Units: uL	
MSV_QCYC_00006	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00034	Amount Added: 50.00	Units: uL	
MSV_LCS_ETOH_00001	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00059	Amount Added: 50.00	Units: uL	
MSV_HP18_ISSS_00023	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 16-Dec-2021 15:06:09

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15V11.D

Injection Date: 15-Dec-2021 16:55:30

Instrument ID: 9137

Operator ID: jml01693

Lims ID: ICV

Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

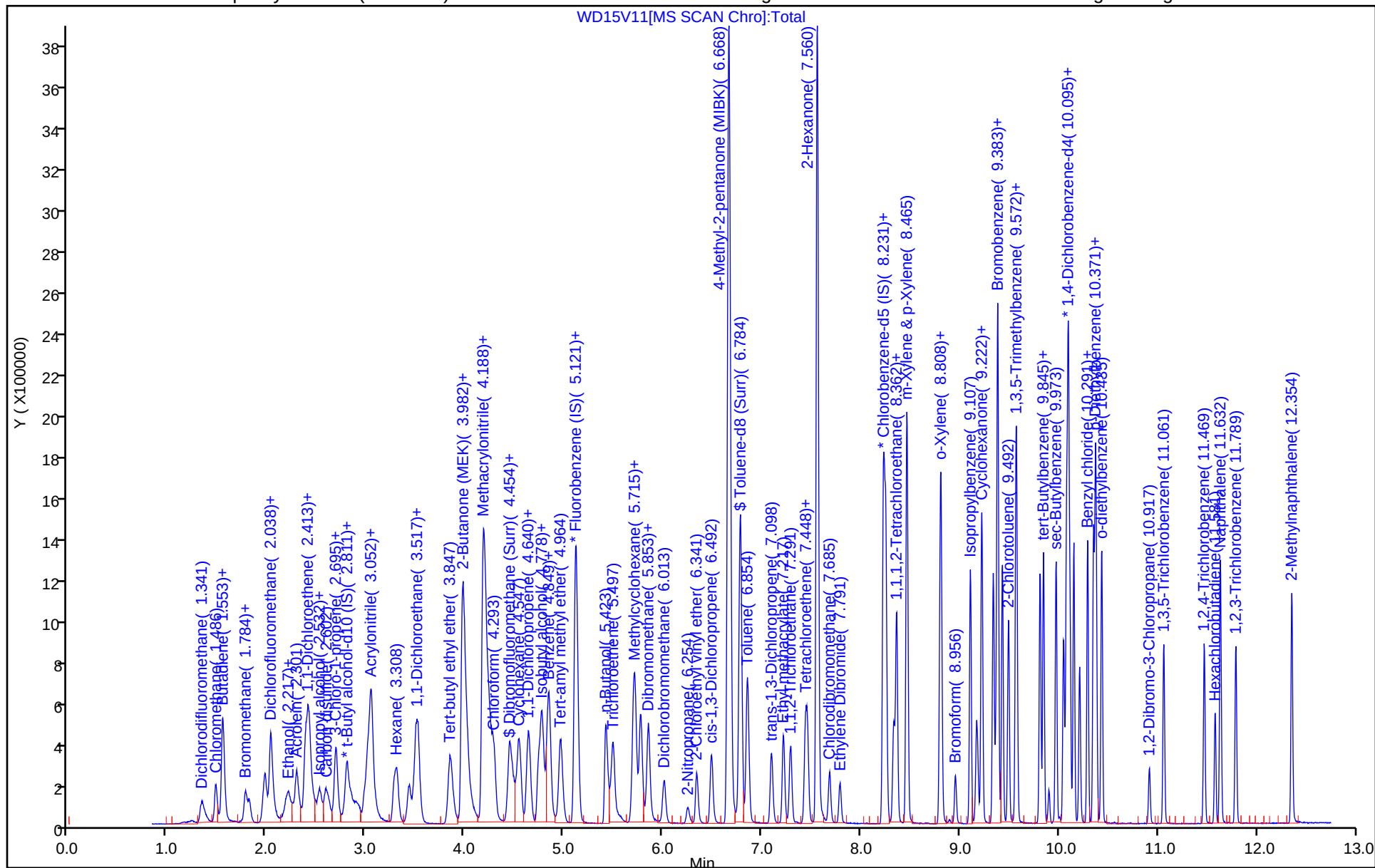
ALS Bottle#: 18

Method: MSVoa_9137

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15V11.D

Injection Date: 15-Dec-2021 16:55:30

Instrument ID: 9137

Lims ID: ICV

Client ID:

Operator ID: jml01693

ALS Bottle#:

18

Worklist Smp#: 18

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: MSVoa_9137

Limit Group:

MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

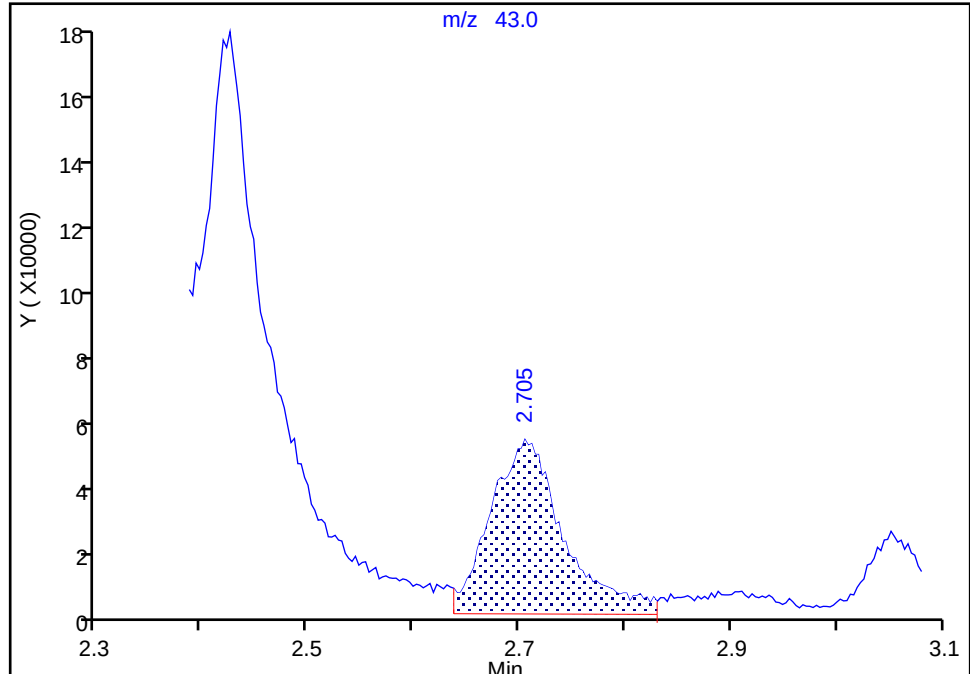
MS Quad

27 Methyl acetate, CAS: 79-20-9

Signal: 1

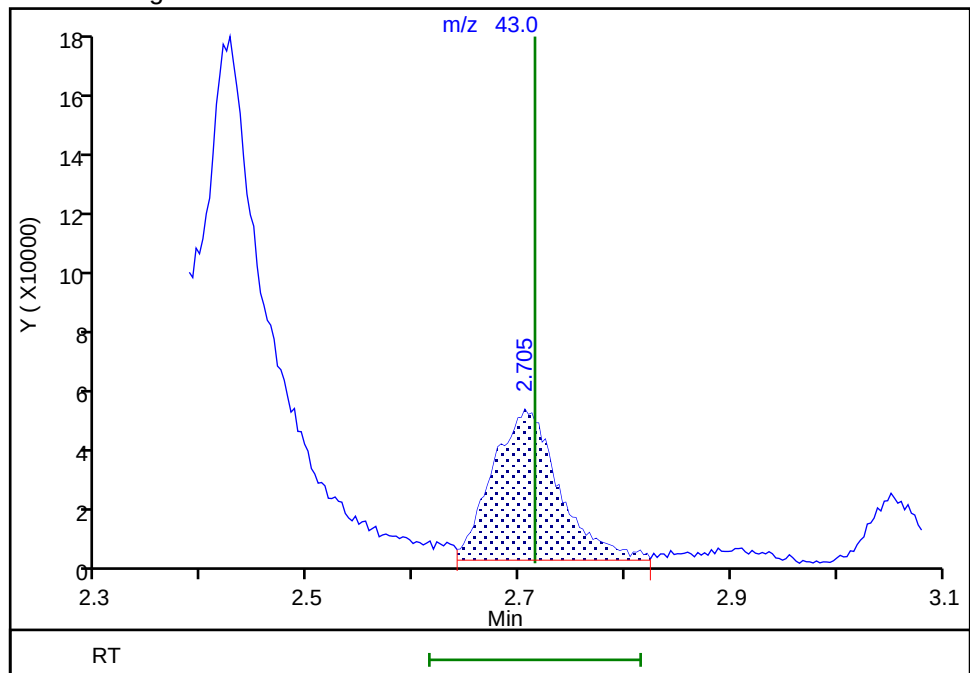
RT: 2.71
Area: 255500
Amount: 25.395408
Amount Units: ug/l

Processing Integration Results



RT: 2.71
Area: 219728
Amount: 21.839852
Amount Units: ug/l

Manual Integration Results



Reviewer: longj, 16-Dec-2021 13:45:36

Audit Action: Manually Integrated

Audit Reason: Baseline

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-212194/3 Calibration Date: 01/06/2022 08:57
 Instrument ID: 9137 Calib Start Date: 12/15/2021 14:37
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 12/15/2021 16:35
 Lab File ID: WJ06X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3521	0.3636	0.1000	51.6	50.0	3.2	20.0
Chloromethane	Ave	0.4730	0.4777	0.1000	50.5	50.0	1.0	20.0
1,3-Butadiene	Ave	0.4781	0.5457		57.1	50.0	14.1	20.0
Vinyl chloride	Ave	0.4704	0.4571	0.1000	48.6	50.0	-2.8	20.0
Bromomethane	Ave	0.2670	0.2628	0.1000	49.2	50.0	-1.6	20.0
Chloroethane	Ave	0.2611	0.2614	0.1000	50.1	50.0	0.1	20.0
Dichlorofluoromethane	Ave	0.5713	0.5697		49.9	50.0	-0.3	20.0
n-Pentane	Ave	0.6229	0.6316		50.7	50.0	1.4	20.0
Trichlorofluoromethane	Ave	0.4824	0.4716	0.1000	48.9	50.0	-2.2	20.0
Ethanol	Ave	0.0944	0.0794		1050	1250	-15.9	20.0
Freon 123a	Ave	0.4038	0.3999		49.5	50.0	-1.0	20.0
Acrolein	Ave	1.909	1.964		515	500	2.9	20.0
1,1-Dichloroethene	Ave	0.2627	0.2931	0.1000	55.8	50.0	11.6	20.0
Freon 113	Ave	0.2453	0.2632	0.1000	53.7	50.0	7.3	20.0
Acetone	Ave	0.9006	0.9556	0.1000	106	100	6.1	20.0
Methyl iodide	Ave	0.4145	0.4379		52.8	50.0	5.6	20.0
2-Propanol	Ave	0.6443	0.7202		279	250	11.8	20.0
Carbon disulfide	Ave	0.7546	0.8407	0.1000	55.7	50.0	11.4	20.0
Allyl chloride	Ave	0.5375	0.5856		54.5	50.0	9.0	20.0
Methyl acetate	Ave	0.4241	0.5012	0.1000	59.1	50.0	18.2	20.0
Methylene Chloride	Ave	0.2980	0.3120	0.1000	52.3	50.0	4.7	20.0
t-Butyl alcohol	Ave	1.223	1.057		216	250	-13.6	20.0
Acrylonitrile	Ave	0.2070	0.2357		142	125	13.9	20.0
trans-1,2-Dichloroethene	Ave	0.2834	0.3111	0.1000	54.9	50.0	9.8	20.0
Methyl tertiary butyl ether	Ave	0.9445	0.9774	0.1000	51.7	50.0	3.5	20.0
n-Hexane	Ave	0.5236	0.4883		46.6	50.0	-6.7	20.0
1,1-Dichloroethane	Ave	0.5564	0.5976	0.2000	53.7	50.0	7.4	20.0
di-Isopropyl ether	Ave	1.093	1.156		52.9	50.0	5.8	20.0
2-Chloro-1,3-butadiene	Ave	0.4948	0.5435		54.9	50.0	9.8	20.0
Ethyl t-butyl ether	Ave	0.998	1.025		51.4	50.0	2.7	20.0
2-Butanone	Ave	0.3083	0.3613	0.1000	117	100	17.2	20.0
cis-1,2-Dichloroethene	Ave	0.3065	0.3268	0.1000	53.3	50.0	6.6	20.0
2,2-Dichloropropane	Ave	0.4521	0.4739		52.4	50.0	4.8	20.0
Propionitrile	Ave	1.371	1.496		273	250	9.1	20.0
Methacrylonitrile	Ave	0.2068	0.2310		140	125	11.7	20.0
Bromochloromethane	Ave	0.1441	0.1544		53.6	50.0	7.2	20.0
Tetrahydrofuran	Ave	1.204	1.255		261	250	4.2	20.0
Chloroform	Ave	0.4787	0.5141	0.2000	53.7	50.0	7.4	20.0
1,1,1-Trichloroethane	Ave	0.4282	0.4666	0.1000	54.5	50.0	9.0	20.0
Cyclohexane	Ave	0.6302	0.6289	0.1000	49.9	50.0	-0.2	20.0
1,1-Dichloropropene	Ave	0.4227	0.4627		54.7	50.0	9.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-212194/3 Calibration Date: 01/06/2022 08:57
 Instrument ID: 9137 Calib Start Date: 12/15/2021 14:37
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 12/15/2021 16:35
 Lab File ID: WJ06X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Carbon tetrachloride	Ave	0.3512	0.3763	0.1000	53.6	50.0	7.2	20.0
Isobutyl alcohol	Ave	0.3971	0.4210		663	625	6.0	20.0
Benzene	Ave	1.237	1.332	0.5000	53.8	50.0	7.7	20.0
1,2-Dichloroethane	Ave	0.3946	0.4152	0.1000	52.6	50.0	5.2	20.0
t-Amyl methyl ether	Ave	0.9455	0.9828		52.0	50.0	3.9	20.0
n-Heptane	Ave	0.5817	0.4722		40.6	50.0	-18.8	20.0
n-Butanol	Ave	0.3345	0.3274		612	625	-2.1	20.0
Trichloroethene	Ave	0.2957	0.3182	0.2000	53.8	50.0	7.6	20.0
Methylcyclohexane	Ave	0.6153	0.5500	0.1000	44.7	50.0	-10.6	20.0
1,2-Dichloropropane	Ave	0.3370	0.3558	0.1000	52.8	50.0	5.6	20.0
t-Amyl ethyl ether	Ave	0.4616	0.4947		53.6	50.0	7.2	20.0
Dibromomethane	Ave	0.1824	0.1970		54.0	50.0	8.0	20.0
Methyl methacrylate	Ave	0.3116	0.3406		54.7	50.0	9.3	20.0
1,4-Dioxane	Ave	0.0704	0.0710	0.0050	631	625	0.9	20.0
Bromodichloromethane	Ave	0.3463	0.3738	0.2000	54.0	50.0	7.9	20.0
2-Nitropropane	Ave	1.968	2.210		281	250	12.3	20.0
2-Chloroethyl vinyl ether	Ave	0.2672	0.2946		55.1	50.0	10.2	20.0
cis-1,3-Dichloropropene	Ave	0.4921	0.5289	0.2000	53.7	50.0	7.5	20.0
4-Methyl-2-pentanone	Ave	0.5873	0.6948	0.1000	118	100	18.3	20.0
Toluene	Ave	1.078	1.072	0.4000	49.7	50.0	-0.5	20.0
trans-1,3-Dichloropropene	Ave	0.6083	0.6368	0.1000	52.3	50.0	4.7	20.0
Ethyl methacrylate	Ave	0.6784	0.7084		52.2	50.0	4.4	20.0
1,1,2-Trichloroethane	Ave	0.3623	0.3832	0.1000	52.9	50.0	5.8	20.0
Tetrachloroethene	Ave	0.4294	0.4272	0.2000	49.7	50.0	-0.5	20.0
1,3-Dichloropropane	Ave	0.6627	0.6788		51.2	50.0	2.4	20.0
2-Hexanone	Ave	0.6013	0.6948	0.1000	116	100	15.6	20.0
Dibromochloromethane	Ave	0.3719	0.3875		52.1	50.0	4.2	20.0
1,2-Dibromoethane	Ave	0.3922	0.4139	0.1000	52.8	50.0	5.5	20.0
1-Chlorohexane	Ave	0.5795	0.5188		44.8	50.0	-10.5	20.0
Chlorobenzene	Ave	1.086	1.096	0.5000	50.4	50.0	0.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3618	0.3654		50.5	50.0	1.0	20.0
Ethylbenzene	Ave	1.954	1.956	0.1000	50.0	50.0	0.0	20.0
m&p-Xylene	Ave	0.7534	0.7552	0.1000	100	100	0.2	20.0
o-Xylene	Ave	0.7508	0.7452	0.3000	49.6	50.0	-0.7	20.0
Styrene	Ave	1.223	1.242	0.3000	50.8	50.0	1.6	20.0
Bromoform	Ave	0.2775	0.3031	0.1000	54.6	50.0	9.2	20.0
Isopropylbenzene	Ave	1.924	1.852	0.1000	48.1	50.0	-3.7	20.0
Cyclohexanone	Ave	0.3049	0.2416		495	625	-20.8*	20.0
Bromobenzene	Ave	0.7966	0.7980		50.1	50.0	0.2	20.0
1,1,2,2-Tetrachloroethane	Ave	1.162	1.210	0.3000	52.0	50.0	4.1	20.0
1,2,3-Trichloropropane	Ave	0.3393	0.3512		51.8	50.0	3.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
 SDG No.: _____
 Lab Sample ID: CCVIS 410-212194/3 Calibration Date: 01/06/2022 08:57
 Instrument ID: 9137 Calib Start Date: 12/15/2021 14:37
 GC Column: R-624SilMS 30m ID: 0.25 (mm) Calib End Date: 12/15/2021 16:35
 Lab File ID: WJ06X02.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
trans-1,4-Dichloro-2-butene	Ave	0.3956	0.3294		104	125	-16.7	20.0
N-Propylbenzene	Ave	4.031	3.814		47.3	50.0	-5.4	20.0
2-Chlorotoluene	Ave	0.7854	0.7617		48.5	50.0	-3.0	20.0
1,3,5-Trimethylbenzene	Ave	2.847	2.677		47.0	50.0	-6.0	20.0
4-Chlorotoluene	Ave	0.7906	0.7828		49.5	50.0	-1.0	20.0
tert-Butylbenzene	Ave	0.5944	0.5362		45.1	50.0	-9.8	20.0
1,2,4-Trimethylbenzene	Ave	2.897	2.751		47.5	50.0	-5.0	20.0
sec-Butylbenzene	Ave	3.540	3.183		45.0	50.0	-10.1	20.0
1,3-Dichlorobenzene	Ave	1.538	1.501	0.6000	48.8	50.0	-2.4	20.0
p-Isopropyltoluene	Ave	3.005	2.754		45.8	50.0	-8.3	20.0
1,4-Dichlorobenzene	Ave	1.594	1.513	0.5000	47.5	50.0	-5.0	20.0
1,2,3-Trimethylbenzene	Ave	2.959	2.782		47.0	50.0	-6.0	20.0
Benzyl chloride	Ave	2.264	2.376		52.5	50.0	4.9	20.0
1,3-Diethylbenzene	Ave	1.804	1.638		45.4	50.0	-9.2	20.0
1,4-Diethylbenzene	Ave	1.856	1.679		45.3	50.0	-9.5	20.0
n-Butylbenzene	Ave	1.491	1.366		45.8	50.0	-8.4	20.0
1,2-Dichlorobenzene	Ave	1.515	1.477	0.4000	48.8	50.0	-2.5	20.0
1,2-Diethylbenzene	Ave	1.527	1.389		45.5	50.0	-9.1	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2997	0.3237	0.0500	54.0	50.0	8.0	20.0
1,3,5-Trichlorobenzene	Ave	1.133	1.008		44.5	50.0	-11.0	20.0
1,2,4-Trichlorobenzene	Ave	1.097	1.002	0.2000	45.6	50.0	-8.7	20.0
Hexachlorobutadiene	Ave	0.4368	0.3639		41.7	50.0	-16.7	20.0
Naphthalene	Ave	3.903	3.973		50.9	50.0	1.8	20.0
1,2,3-Trichlorobenzene	Ave	1.073	0.9855		45.9	50.0	-8.2	20.0
2-Methylnaphthalene	Ave	2.161	2.124		49.2	50.0	-1.7	20.0
Dibromofluoromethane (Surr)	Ave	0.2337	0.2321		49.6	50.0	-0.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.0649	0.0620		47.8	50.0	-4.4	20.0
Toluene-d8 (Surr)	Ave	1.411	1.382		49.0	50.0	-2.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5050	0.5047		50.0	50.0	-0.0	20.0

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\WJ06X02.D
 Lims ID: CCVIS
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 06-Jan-2022 08:57:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0047855-003
 Misc. Info.: CCVIS
 Operator ID: lcp00895 Instrument ID: 9137
 Sublist: chrom-MSVoa_9137*sub28
 Method: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\MSVoa_9137.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Jan-2022 11:52:29 Calib Date: 15-Dec-2021 16:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15117.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1619

First Level Reviewer: papel

Date: 06-Jan-2022 09:38:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.335	1.335	0.000	100	408910	50.0	51.6	
5 Chloromethane	50	1.476	1.476	0.000	99	537305	50.0	50.5	
8 Butadiene	39	1.547	1.547	0.000	91	613814	50.0	57.1	
7 Vinyl chloride	62	1.556	1.556	0.000	98	514108	50.0	48.6	
10 Bromomethane	94	1.781	1.781	0.000	90	295586	50.0	49.2	
11 Chloroethane	64	1.819	1.819	0.000	100	293985	50.0	50.1	
13 Dichlorofluoromethane	67	1.970	1.970	0.000	98	640779	50.0	49.9	
15 Pentane	43	2.038	2.038	0.000	97	710415	50.0	50.7	
14 Trichlorofluoromethane	101	2.038	2.038	0.000	96	530450	50.0	48.9	
16 Ethanol	45	2.124	2.124	0.000	95	150923	1250.1	1051.5	
18 1,2-Dichloro-1,1,2-trifluoroetha	67	2.214	2.214	0.000	95	449752	50.0	49.5	
19 Acrolein	56	2.294	2.294	0.000	99	1493233	500.0	514.5	
20 1,1-Dichloroethene	96	2.391	2.391	0.000	97	329674	50.0	55.8	
21 112TCTFE	101	2.419	2.419	0.000	93	296012	50.0	53.7	
22 Acetone	58	2.426	2.426	0.000	100	145295	100.0	106.1	
24 Iodomethane	142	2.525	2.525	0.000	99	492525	50.0	52.8	
23 Isopropyl alcohol	45	2.535	2.535	0.000	98	273762	250.0	279.4	
25 Carbon disulfide	76	2.593	2.593	0.000	99	945556	50.0	55.7	
26 3-Chloro-1-propene	41	2.692	2.692	0.000	93	658659	50.0	54.5	
27 Methyl acetate	43	2.702	2.702	0.000	64	563777	50.0	59.1	
28 Methylene Chloride	84	2.801	2.801	0.000	97	350920	50.0	52.3	
* 30 t-Butyl alcohol-d10 (IS)	65	2.824	2.824	0.000	99	380130	250.0	250.0	
31 2-Methyl-2-propanol	59	2.901	2.901	0.000	99	401850	250.0	216.1	
32 Acrylonitrile	53	3.016	3.016	0.000	100	662718	125.0	142.3	
33 trans-1,2-Dichloroethene	96	3.052	3.052	0.000	96	349898	50.0	54.9	
34 Methyl tert-butyl ether	73	3.055	3.055	0.000	96	1099290	50.0	51.7	
35 Hexane	57	3.302	3.302	0.000	95	549241	50.0	46.6	
36 1,1-Dichloroethane	63	3.430	3.430	0.000	96	672119	50.0	53.7	
37 Isopropyl ether	45	3.501	3.501	0.000	95	1300564	50.0	52.9	
38 2-Chloro-1,3-butadiene	53	3.523	3.523	0.000	91	611266	50.0	54.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 Tert-butyl ethyl ether	59	3.851	3.851	0.000	99	1153422	50.0	51.4	
43 2-Butanone (MEK)	43	3.969	3.969	0.000	100	812747	100.0	117.2	
41 cis-1,2-Dichloroethene	96	3.985	3.985	0.000	85	367602	50.0	53.3	
42 2,2-Dichloropropane	77	4.001	4.001	0.000	91	533040	50.0	52.4	
44 Propionitrile	54	4.033	4.033	0.000	99	568578	250.0	272.8	
45 Methacrylonitrile	67	4.187	4.187	0.000	93	649612	125.0	139.6	
46 Chlorobromomethane	128	4.216	4.216	0.000	97	173716	50.0	53.6	
47 Tetrahydrofuran	71	4.242	4.242	0.000	90	477072	250.0	260.5	
48 Chloroform	83	4.293	4.293	0.000	95	578281	50.0	53.7	
\$ 50 Dibromofluoromethane (Surr)	113	4.444	4.444	0.000	94	261009	50.0	49.6	
51 1,1,1-Trichloroethane	97	4.483	4.483	0.000	99	524766	50.0	54.5	
53 Cyclohexane	56	4.547	4.547	0.000	92	707342	50.0	49.9	
54 1,1-Dichloropropene	75	4.637	4.637	0.000	96	520379	50.0	54.7	
55 Carbon tetrachloride	117	4.646	4.646	0.000	98	423262	50.0	53.6	
56 Isobutyl alcohol	41	4.743	4.743	0.000	97	400098	625.0	662.7	
\$ 57 1,2-Dichloroethane-d4 (Surr)	102	4.778	4.778	0.000	97	69753	50.0	47.8	
58 Benzene	78	4.842	4.842	0.000	96	1497843	50.0	53.8	
59 1,2-Dichloroethane	62	4.849	4.849	0.000	95	467008	50.0	52.6	
60 Tert-amyl methyl ether	73	4.964	4.964	0.000	98	1105403	50.0	52.0	
* 61 Fluorobenzene (IS)	96	5.118	5.118	0.000	94	1124750	50.0	50.0	
62 n-Heptane	43	5.118	5.118	0.000	82	531114	50.0	40.6	
63 n-Butanol	56	5.420	5.420	0.000	91	311179	625.0	611.7	
64 Trichloroethene	95	5.494	5.494	0.000	99	357922	50.0	53.8	
66 Methylcyclohexane	83	5.705	5.705	0.000	93	618636	50.0	44.7	
67 1,2-Dichloropropane	63	5.721	5.721	0.000	97	400171	50.0	52.8	
68 2-ethoxy-2-methyl butane	87	5.773	5.773	0.000	92	556374	50.0	53.6	
69 Dibromomethane	93	5.840	5.840	0.000	95	221521	50.0	54.0	
70 Methyl methacrylate	69	5.853	5.853	0.000	95	383097	50.0	54.7	
71 1,4-Dioxane	88	5.856	5.856	0.000	31	67492	625.0	630.9	
72 Dichlorobromomethane	83	6.007	6.007	0.000	99	420415	50.0	54.0	
74 2-Nitropropane	41	6.248	6.248	0.000	97	840211	250.0	280.8	
75 2-Chloroethyl vinyl ether	63	6.341	6.341	0.000	91	331390	50.0	55.1	
77 cis-1,3-Dichloropropene	75	6.488	6.488	0.000	96	594901	50.0	53.7	
78 4-Methyl-2-pentanone (MIBK)	43	6.665	6.665	0.000	98	1563063	100.0	118.3	
\$ 79 Toluene-d8 (Surr)	98	6.784	6.784	0.000	94	1176660	50.0	49.0	
80 Toluene	92	6.851	6.851	0.000	98	912767	50.0	49.7	
81 trans-1,3-Dichloropropene	75	7.095	7.095	0.000	94	542193	50.0	52.3	
84 Ethyl methacrylate	69	7.217	7.217	0.000	92	603120	50.0	52.2	
87 1,1,2-Trichloroethane	97	7.291	7.291	0.000	91	326247	50.0	52.9	
88 Tetrachloroethene	166	7.438	7.438	0.000	98	363695	50.0	49.7	
89 1,3-Dichloropropane	76	7.457	7.457	0.000	93	577943	50.0	51.2	
90 2-Hexanone	43	7.557	7.557	0.000	97	1183192	100.0	115.6	
92 Chlorodibromomethane	129	7.685	7.685	0.000	93	329893	50.0	52.1	
93 Ethylene Dibromide	107	7.788	7.788	0.000	97	352413	50.0	52.8	
* 94 Chlorobenzene-d5 (IS)	117	8.228	8.228	0.000	86	851422	50.0	50.0	
95 1-Chlorohexane	91	8.247	8.247	0.000	92	441686	50.0	44.8	
96 Chlorobenzene	112	8.250	8.250	0.000	94	933360	50.0	50.4	
97 1,1,1,2-Tetrachloroethane	131	8.330	8.330	0.000	97	311115	50.0	50.5	
98 Ethylbenzene	91	8.359	8.359	0.000	98	1665645	50.0	50.0	
99 m-Xylene & p-Xylene	106	8.465	8.465	0.000	100	1286056	100.0	100.2	
101 o-Xylene	106	8.802	8.802	0.000	96	634498	50.0	49.6	
102 Styrene	104	8.812	8.812	0.000	94	1057446	50.0	50.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
103 Bromoform	173	8.956	8.956	0.000	97	258074	50.0	54.6	
104 Isopropylbenzene	105	9.107	9.107	0.000	96	1576981	50.0	48.1	
105 Cyclohexanone	55	9.168	9.168	0.000	94	229603	625.0	495.2	
\$ 106 4-Bromofluorobenzene (Surr)	95	9.222	9.222	0.000	90	429746	50.0	50.0	
108 Bromobenzene	156	9.335	9.335	0.000	96	383647	50.0	50.1	
109 1,1,2,2-Tetrachloroethane	83	9.338	9.338	0.000	94	581721	50.0	52.0	
110 1,2,3-Trichloropropane	110	9.367	9.367	0.000	85	168854	50.0	51.8	
111 trans-1,4-Dichloro-2-butene	53	9.383	9.383	0.000	95	395928	125.0	104.1	
112 N-Propylbenzene	91	9.431	9.431	0.000	99	1833666	50.0	47.3	
113 2-Chlorotoluene	126	9.492	9.492	0.000	96	366206	50.0	48.5	
114 1,3,5-Trimethylbenzene	105	9.566	9.566	0.000	95	1287210	50.0	47.0	
115 4-Chlorotoluene	126	9.575	9.575	0.000	98	376355	50.0	49.5	
116 tert-Butylbenzene	134	9.810	9.810	0.000	93	257791	50.0	45.1	
118 1,2,4-Trimethylbenzene	105	9.845	9.845	0.000	98	1322585	50.0	47.5	
119 sec-Butylbenzene	105	9.973	9.973	0.000	94	1530527	50.0	45.0	
121 1,3-Dichlorobenzene	146	10.050	10.050	0.000	98	721811	50.0	48.8	
123 4-Isopropyltoluene	119	10.076	10.076	0.000	97	1323994	50.0	45.8	
* 124 1,4-Dichlorobenzene-d4	152	10.095	10.095	0.000	96	480772	50.0	50.0	
125 1,4-Dichlorobenzene	146	10.114	10.114	0.000	95	727635	50.0	47.5	
126 1,2,3-Trimethylbenzene	105	10.153	10.153	0.000	98	1337601	50.0	47.0	
127 Benzyl chloride	91	10.211	10.211	0.000	99	1142087	50.0	52.5	
128 1,3-Diethylbenzene	119	10.291	10.291	0.000	96	787483	50.0	45.4	
129 p-Diethylbenzene	119	10.349	10.349	0.000	94	807401	50.0	45.3	
130 n-Butylbenzene	92	10.368	10.368	0.000	97	656562	50.0	45.8	
131 1,2-Dichlorobenzene	146	10.377	10.377	0.000	98	710224	50.0	48.8	
132 o-diethylbenzene	119	10.435	10.435	0.000	95	667746	50.0	45.5	
133 1,2-Dibromo-3-Chloropropane	75	10.913	10.913	0.000	85	155626	50.0	54.0	
134 1,3,5-Trichlorobenzene	180	11.061	11.061	0.000	98	484808	50.0	44.5	
136 1,2,4-Trichlorobenzene	180	11.472	11.472	0.000	94	481496	50.0	45.6	
137 Hexachlorobutadiene	225	11.581	11.581	0.000	96	174934	50.0	41.7	
138 Naphthalene	128	11.635	11.635	0.000	97	1910304	50.0	50.9	
139 1,2,3-Trichlorobenzene	180	11.789	11.789	0.000	96	473796	50.0	45.9	
140 2-Methylnaphthalene	142	12.354	12.354	0.000	92	1021365	50.0	49.2	

QC Flag Legend

Processing Flags

Reagents:

MSV_CCV_VOC#1_00046	Amount Added: 5.00	Units: uL	
MSV_CCV_VOC#3_00045	Amount Added: 4.00	Units: uL	
MSV_CCV_2CEVE_00043	Amount Added: 5.00	Units: uL	
MSV_CCV_GASES_00128	Amount Added: 2.50	Units: uL	
MSV_VCYC_00007	Amount Added: 10.00	Units: uL	
MSV_CCV_ETOH_00001	Amount Added: 10.00	Units: uL	
MSV_HP18_ISSS_00023	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 06-Jan-2022 11:52:30

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\WJ06X02.D

Injection Date: 06-Jan-2022 08:57:30

Instrument ID: 9137

Operator ID: lcp00895

Lims ID: CCVIS

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

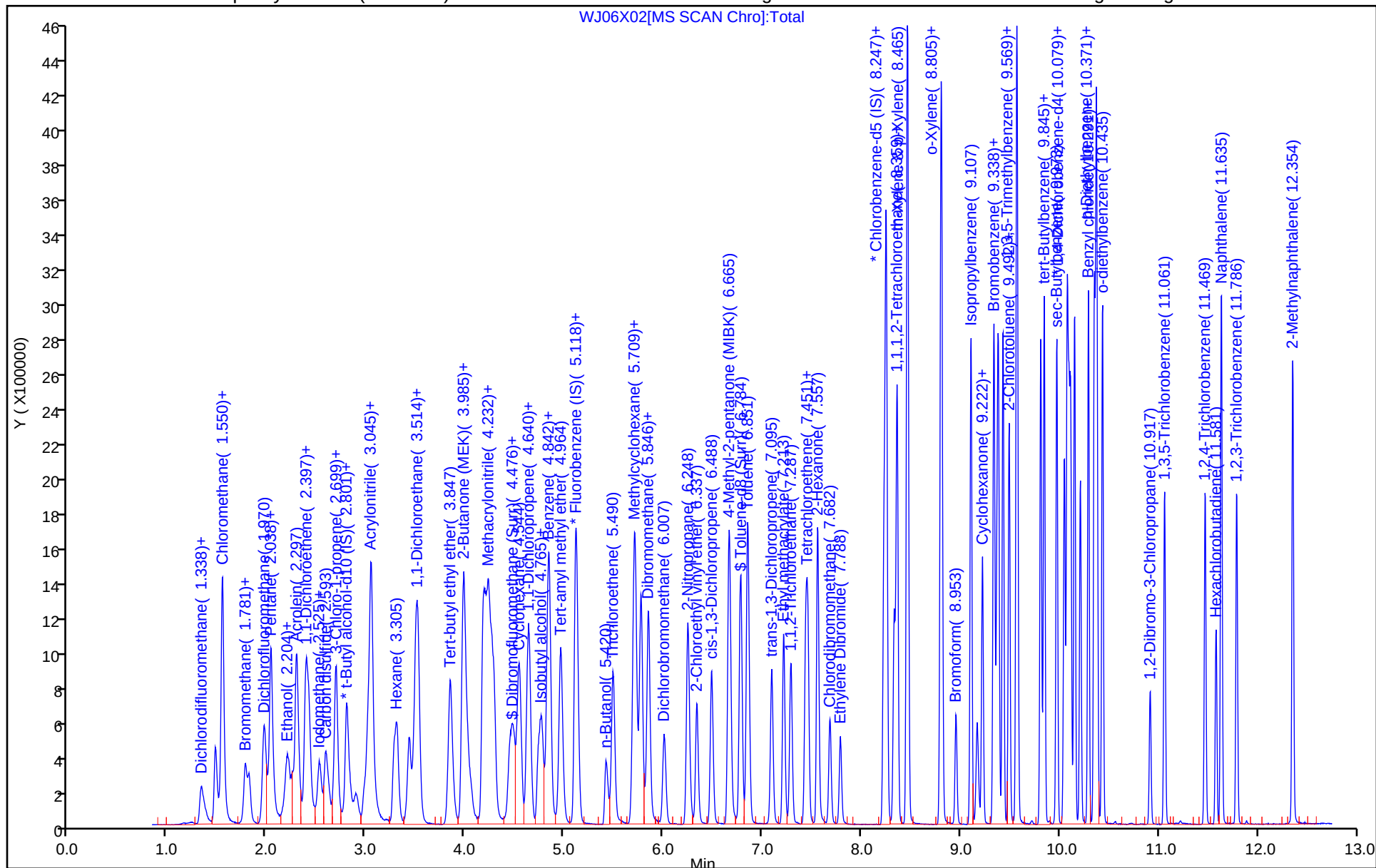
ALS Bottle#: 2

Method: MSVoa_9137

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15T01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 15-Dec-2021 11:04:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: 410-0046415-001
 Misc. Info.: BFB
 Operator ID: jml01693 Instrument ID: 9137
 Method: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\MSVoa_9137.m
 Limit Group: MSV - 8260C_D
 Last Update: 16-Dec-2021 13:56:22 Calib Date: 15-Dec-2021 16:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15I17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1651

First Level Reviewer: longj

Date: 15-Dec-2021 11:16:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 49 BFB	95	4.317	4.317	0.000	0	557842	NC	NC	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

MSV_V_BFB_00006

Amount Added: 1.00

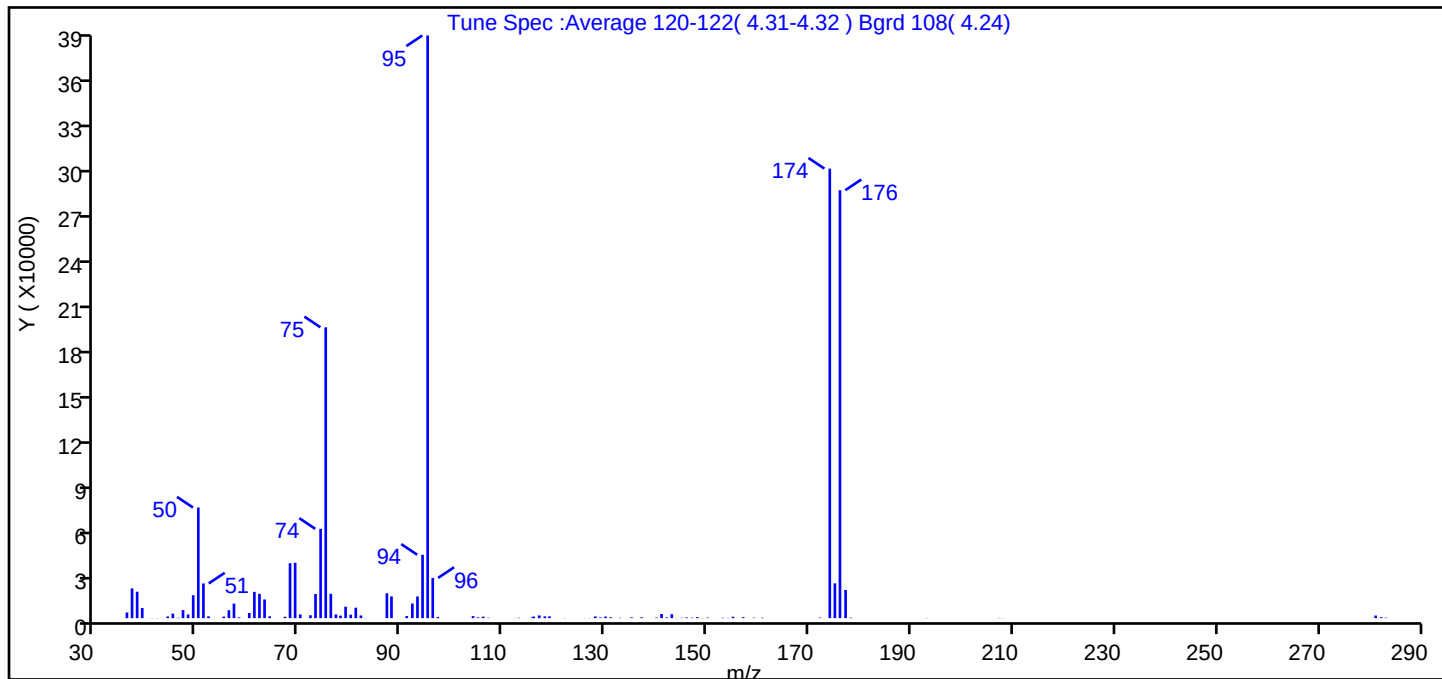
Units: uL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15T01.D
Injection Date: 15-Dec-2021 11:04:30 Instrument ID: 9137
Lims ID: bfb
Client ID:
Operator ID: jml01693
Injection Vol: 1.0 uL
Method: MSVoa_9137
Tune Method: BFB Method 8260

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: MSV - 8260C_D

\$ 49 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.0
75	30 to 60% of m/z 95	49.9
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	77.1
175	5 to 9% of m/z 174	6.0 (7.7)
176	Greater than 95% but less than 101% of m/z 174	73.4 (95.2)
177	5 to 9% of m/z 176	4.8 (6.6)

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15T01.D\MSVoa_9137.rslt\spectra.d
Injection Date: 15-Dec-2021 11:04:30
Spectrum: Tune Spec :Average 120-122(4.31-4.32) Bgrd 108(4.24)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 100

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3763	67.00	900	104.00	1369	144.00	94
37.00	19776	68.00	36536	105.00	473	145.00	225
38.00	17560	69.00	36792	106.00	989	146.00	454
39.00	6729	70.00	2449	107.00	253	147.00	315
41.00	92	72.00	1931	112.00	87	148.00	723
42.00	94	73.00	16037	113.00	278	149.00	93
43.00	44	74.00	59360	116.00	431	150.00	378
44.00	1110	75.00	193344	116.00	1062	153.00	264
45.00	2992	76.00	16195	117.00	1793	154.00	84
46.00	247	77.00	2457	118.00	1173	155.00	917
47.00	5405	78.00	1670	119.00	1190	157.00	658
48.00	2395	79.00	7584	122.00	111	159.00	277
49.00	15271	80.00	2252	126.00	121	161.00	315
50.00	73528	81.00	6944	127.00	86	172.00	360
51.00	23064	82.00	1778	128.00	1138	174.00	298816
52.00	1206	83.00	92	129.00	421	175.00	23112
55.00	1015	87.00	16552	130.00	1050	176.00	284480
56.00	5258	88.00	14446	131.00	562	177.00	18744
57.00	9665	91.00	1379	133.00	235	178.00	330
58.00	529	92.00	9723	135.00	532	193.00	128
60.00	3395	93.00	14384	137.00	600	207.00	138
61.00	17488	94.00	42128	140.00	360	208.00	95
62.00	16144	95.00	387328	141.00	2753	281.00	1715
63.00	12414	96.00	26728	142.00	488	282.00	628
64.00	1215	97.00	816	143.00	2622	283.00	324

Report Date: 16-Dec-2021 13:56:22

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15T01.D

Injection Date: 15-Dec-2021 11:04:30

Instrument ID: 9137

Operator ID: jml01693

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 1.0 uL

Dil. Factor: 1.0000

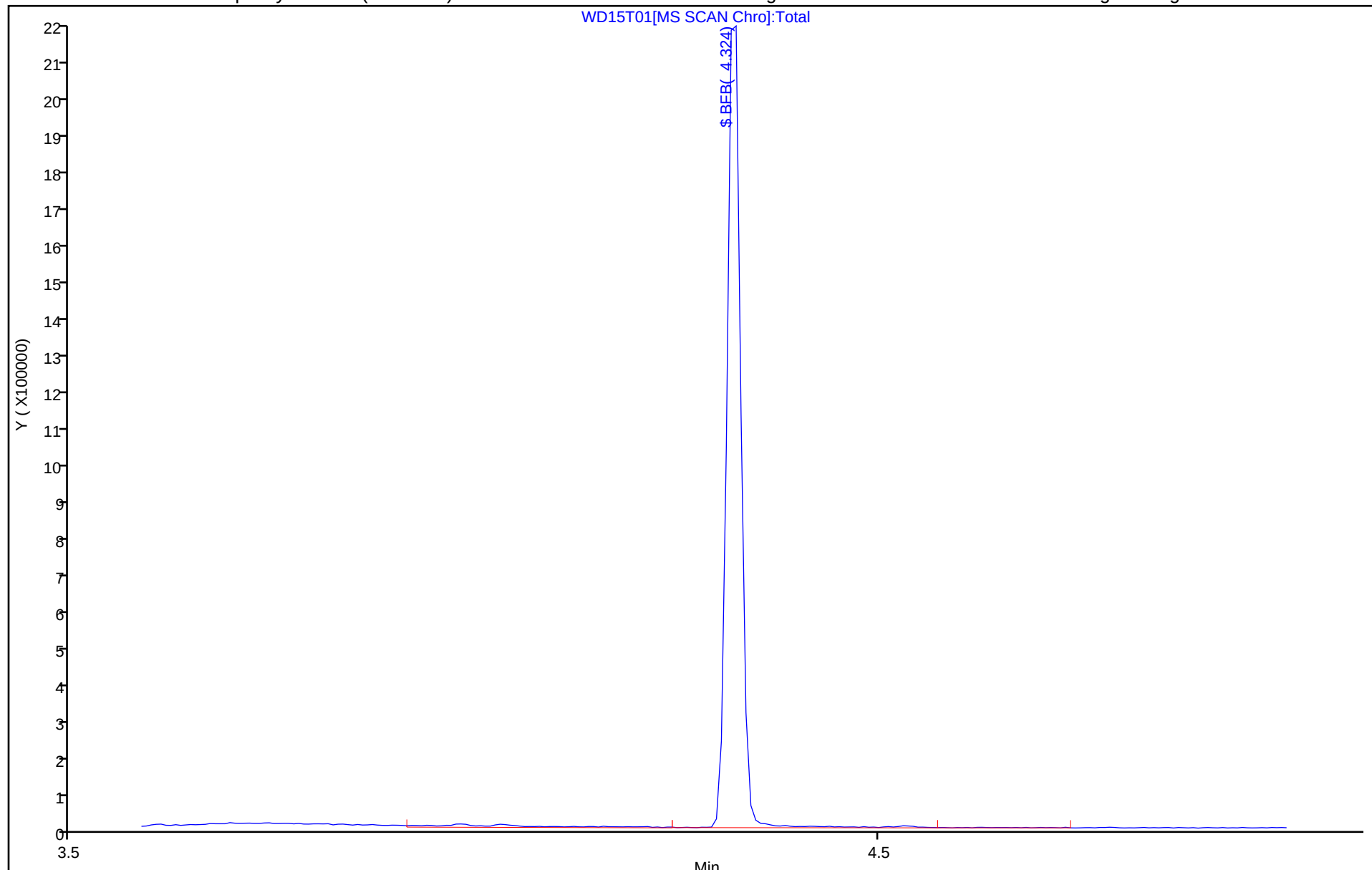
ALS Bottle#: 1

Method: MSVoa_9137

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\WJ06T01.D
 Lims ID: bfb
 Client ID:
 Sample Type: BFB
 Inject. Date: 06-Jan-2022 08:19:30 ALS Bottle#: 1 Worklist Smp#: 1
 Injection Vol: 1.0 uL Dil. Factor: 1.0000
 Sample Info: 410-0047855-001
 Misc. Info.: BFB
 Operator ID: lcp00895 Instrument ID: 9137
 Method: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\MSVoa_9137.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Jan-2022 11:52:50 Calib Date: 15-Dec-2021 16:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15I17.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1619

First Level Reviewer: papel

Date: 06-Jan-2022 08:32:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 49 BFB	95	4.317	4.317	0.000	0	536170	NC	NC	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

MSV_V_BFB_00006

Amount Added: 1.00

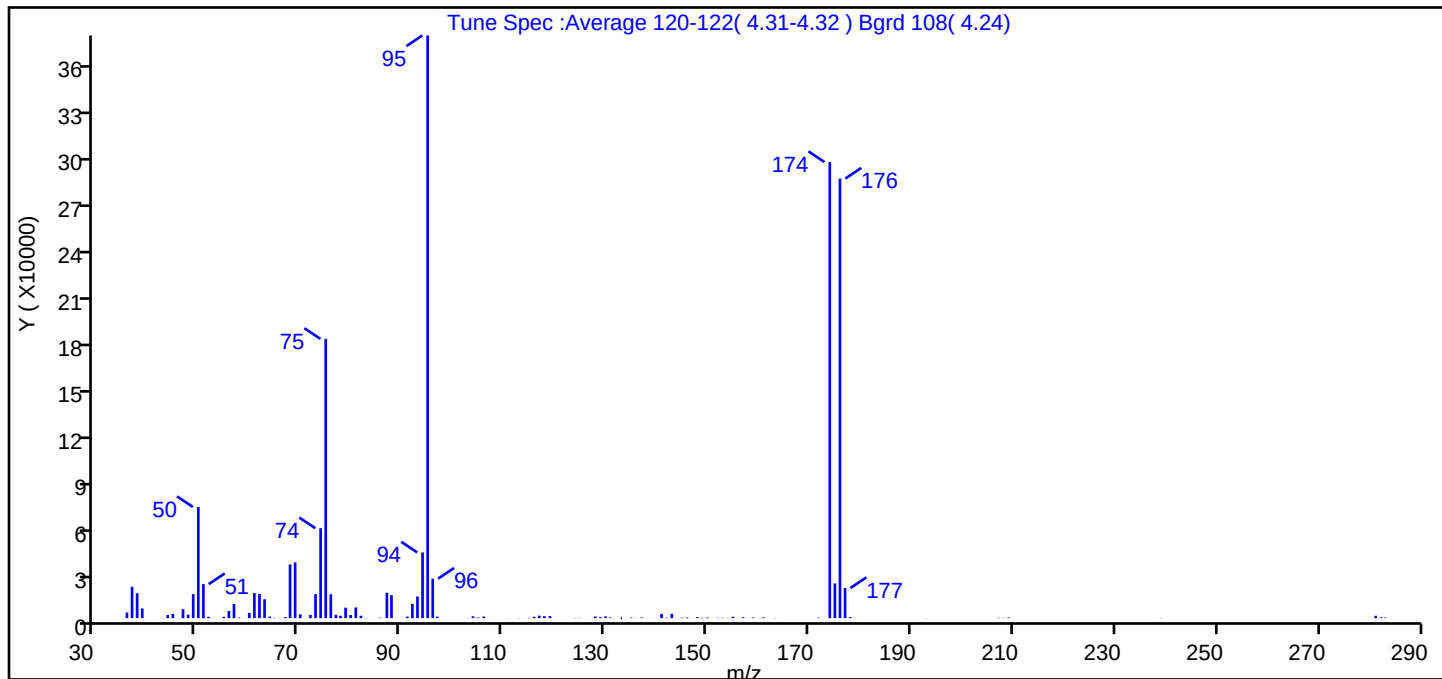
Units: uL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\WJ06T01.D
Injection Date: 06-Jan-2022 08:19:30 Instrument ID: 9137
Lims ID: bfb
Client ID:
Operator ID: lcp00895
Injection Vol: 1.0 uL
Method: MSVoa_9137
Tune Method: BFB Method 8260

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: MSV - 8260C_D

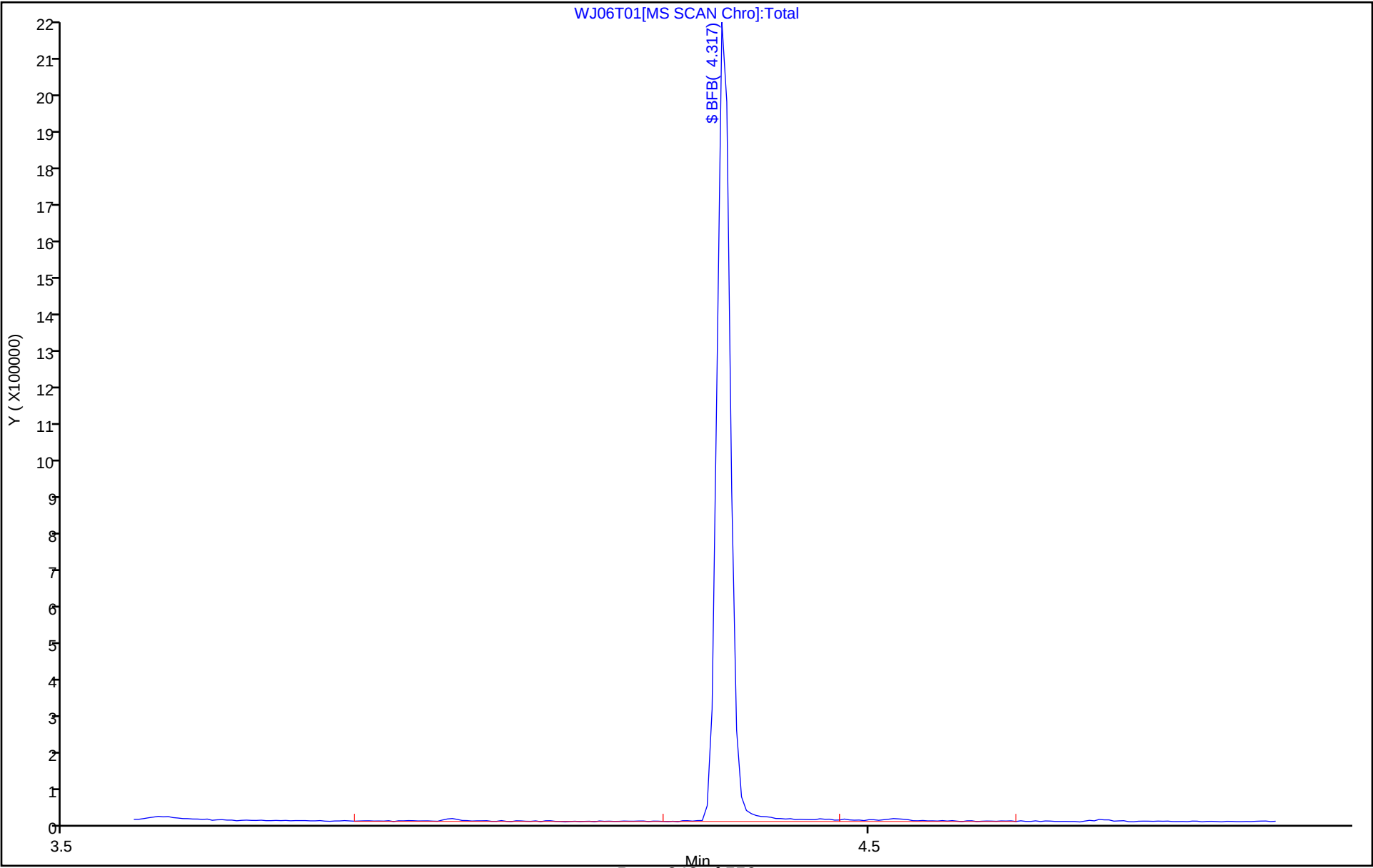
\$ 49 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.1
75	30 to 60% of m/z 95	47.9
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	78.3
175	5 to 9% of m/z 174	6.0 (7.6)
176	Greater than 95% but less than 101% of m/z 174	75.4 (96.4)
177	5 to 9% of m/z 176	5.2 (6.9)

Data File: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\WJ06T01.D\MSVoa_9137.rsl\spectra.d
Injection Date: 06-Jan-2022 08:19:30
Spectrum: Tune Spec :Average 120-122(4.31-4.32) Bgrd 108(4.24)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 104

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3698	69.00	36376	105.00	402	147.00	43
37.00	20456	70.00	2441	106.00	1070	148.00	646
38.00	16225	72.00	2107	111.00	109	149.00	267
39.00	6306	73.00	15635	113.00	114	150.00	419
43.00	162	74.00	58616	115.00	214	152.00	214
44.00	2022	75.00	182016	116.00	902	153.00	249
45.00	2763	76.00	15618	117.00	1625	154.00	110
47.00	5849	77.00	2158	118.00	1278	155.00	921
48.00	2260	78.00	1528	119.00	1330	157.00	592
49.00	15668	79.00	6831	124.00	180	159.00	407
50.00	72432	80.00	2111	125.00	134	161.00	545
51.00	22176	81.00	6994	128.00	1048	163.00	105
52.00	846	82.00	1559	129.00	640	172.00	349
55.00	861	83.00	115	130.00	1147	174.00	297280
56.00	4687	86.00	311	131.00	451	175.00	22632
57.00	9219	87.00	16512	133.00	1	176.00	286528
58.00	383	88.00	14971	135.00	375	177.00	19632
60.00	3446	91.00	986	136.00	98	178.00	685
61.00	16350	92.00	9279	137.00	457	193.00	95
62.00	15778	93.00	14132	140.00	89	207.00	231
63.00	12300	94.00	42824	141.00	2752	208.00	218
64.00	1011	95.00	379776	142.00	268	209.00	437
65.00	241	96.00	25744	143.00	2833	239.00	117
66.00	101	97.00	957	144.00	107	281.00	1551
67.00	726	103.00	104	145.00	328	282.00	530
68.00	34960	104.00	1194	146.00	464	283.00	359



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: MB 410-212194/8
 Matrix: Water Lab File ID: WJ06X07.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 01/06/2022 10:35
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: R-624SilMS 30m ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 212194 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	ND		20	0.70

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	99		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\WJ06X07.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 06-Jan-2022 10:35:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0047855-008
 Misc. Info.: MB
 Operator ID: lcp00895 Instrument ID: 9137
 Method: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\MSVoa_9137.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Jan-2022 11:52:33 Calib Date: 15-Dec-2021 16:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15117.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1619

First Level Reviewer: papel

Date: 06-Jan-2022 11:33:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
A 1 C4-C10	1		(0.000-0.100)					ND	
A 2 C4-C12	1		(0.000-0.250)					ND	
3 Chlorotrifluoroethene	116		1.315					ND	
4 Dichlorodifluoromethane	85		1.335					ND	
9 Chlorodifluoromethane	51		1.348					ND	7
5 Chloromethane	50		1.476					ND	
8 Butadiene	39		1.547					ND	7
7 Vinyl chloride	62		1.556					ND	
6 2-Chloro-1,1,1-Trifluoroethane	118		1.588					ND	
10 Bromomethane	94		1.781					ND	
11 Chloroethane	64		1.819					ND	
13 Dichlorofluoromethane	67		1.970					ND	
15 Pentane	43		2.038					ND	7
14 Trichlorofluoromethane	101		2.038					ND	
16 Ethanol	45		2.124					ND	
12 Ethyl ether	59		2.195					ND	
18 1,2-Dichloro-1,1,2-trifluoroethane	67		2.214					ND	
19 Acrolein	56		2.294					ND	7
20 1,1-Dichloroethene	96		2.391					ND	
21 112TCTFE	101		2.419					ND	
22 Acetone	58		2.426					ND	
24 Iodomethane	142		2.525					ND	
23 Isopropyl alcohol	45		2.535					ND	
25 Carbon disulfide	76		2.593					ND	7
17 Acetonitrile	41		2.676					ND	7
26 3-Chloro-1-propene	41		2.692					ND	
27 Methyl acetate	43		2.702					ND	7
28 Methylene Chloride	84		2.801					ND	
* 30 t-Butyl alcohol-d10 (IS)	65	2.827	2.824	0.003	99	374735	250.0	250.0	
31 2-Methyl-2-propanol	59		2.901					ND	
32 Acrylonitrile	53		3.016					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 trans-1,2-Dichloroethene	96		3.052					ND	
34 Methyl tert-butyl ether	73		3.055					ND	
35 Hexane	57		3.302					ND	
36 1,1-Dichloroethane	63		3.430					ND	
29 Vinyl acetate	43		3.465					ND	
37 Isopropyl ether	45		3.501					ND	
38 2-Chloro-1,3-butadiene	53		3.523					ND	
39 Tert-butyl ethyl ether	59		3.851					ND	
43 2-Butanone (MEK)	43		3.969					ND	7
41 cis-1,2-Dichloroethene	96		3.985					ND	
42 2,2-Dichloropropane	77		4.001					ND	
44 Propionitrile	54		4.033					ND	
40 Ethyl acetate	43		4.040					ND	
45 Methacrylonitrile	67		4.187					ND	
46 Chlorobromomethane	128		4.216					ND	
47 Tetrahydrofuran	71		4.242					ND	
48 Chloroform	83		4.293					ND	
\$ 50 Dibromofluoromethane (Surr)	113	4.450	4.444	0.006	93	257071	50.0	49.5	
51 1,1,1-Trichloroethane	97		4.483					ND	
53 Cyclohexane	56		4.547					ND	
54 1,1-Dichloropropene	75		4.637					ND	
55 Carbon tetrachloride	117		4.646					ND	
56 Isobutyl alcohol	41		4.743					ND	7
\$ 57 1,2-Dichloroethane-d4 (Surr)	102	4.771	4.778	-0.007	79	71881	50.0	49.9	
58 Benzene	78		4.842					ND	7
59 1,2-Dichloroethane	62		4.849					ND	7
52 Isopropyl acetate	43		4.916					ND	
60 Tert-amyl methyl ether	73		4.964					ND	
* 61 Fluorobenzene (IS)	96	5.115	5.118	-0.003	99	1111340	50.0	50.0	
62 n-Heptane	43		5.118					ND	7
63 n-Butanol	56		5.420					ND	
64 Trichloroethene	95		5.494					ND	
66 Methylcyclohexane	83		5.705					ND	
67 1,2-Dichloropropane	63		5.721					ND	
68 2-ethoxy-2-methyl butane	87		5.773					ND	
69 Dibromomethane	93		5.840					ND	
70 Methyl methacrylate	69		5.853					ND	
71 1,4-Dioxane	88		5.856					ND	
65 n-Propyl acetate	61		5.920					ND	7
72 Dichlorobromomethane	83		6.007					ND	
S 73 1,2-Dichloroethene, Total	100		6.155					ND	7
74 2-Nitropropane	41		6.248					ND	7
75 2-Chloroethyl vinyl ether	63		6.341					ND	
A 76 C6-C10	1	6.394	(2.952-9.836)		0	3457284		NC	
77 cis-1,3-Dichloropropene	75		6.488					ND	
78 4-Methyl-2-pentanone (MIBK)	43		6.665					ND	
\$ 79 Toluene-d8 (Surr)	98	6.780	6.784	-0.004	93	1146286	50.0	48.9	
80 Toluene	92		6.851					ND	7
81 trans-1,3-Dichloropropene	75		7.095					ND	
A 83 C5-C12	1	7.153	(2.686-11.621)		0	3586150		NC	
84 Ethyl methacrylate	69		7.217					ND	
A 86 C6-C12	1	7.286	(2.952-11.621)		0	3582710		NC	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	97		7.291					ND	
88 Tetrachloroethene	166		7.438					ND	
89 1,3-Dichloropropane	76		7.457					ND	
91 t-Amyl alcohol	73	7.393	7.493	-0.100	1	54		NC	
82 3,4-Dichloro-1-butene	75		7.509					ND	
90 2-Hexanone	43		7.557					ND	
92 Chlorodibromomethane	129		7.685					ND	
85 n-Butyl acetate	43		7.701					ND	
93 Ethylene Dibromide	107		7.788					ND	
* 94 Chlorobenzene-d5 (IS)	117	8.227	8.228	-0.001	87	831094	50.0	50.0	
95 1-Chlorohexane	91		8.247					ND	U
96 Chlorobenzene	112		8.250					ND	
97 1,1,1,2-Tetrachloroethane	131		8.330					ND	
98 Ethylbenzene	91		8.359					ND	7
99 m-Xylene & p-Xylene	106		8.465					ND	
101 o-Xylene	106		8.802					ND	
102 Styrene	104		8.812					ND	
103 Bromoform	173		8.956					ND	
104 Isopropylbenzene	105		9.107					ND	7
100 cis-1,4-Dichloro-2-butene	88		9.155					ND	U
105 Cyclohexanone	55		9.168					ND	7
\$ 106 4-Bromofluorobenzene (Surr)	95	9.222	9.222	0.000	90	418706	50.0	49.9	
108 Bromobenzene	156		9.335					ND	
109 1,1,2,2-Tetrachloroethane	83		9.338					ND	
110 1,2,3-Trichloropropane	110		9.367					ND	
111 trans-1,4-Dichloro-2-butene	53		9.383					ND	
112 N-Propylbenzene	91		9.431					ND	
113 2-Chlorotoluene	126		9.492					ND	
114 1,3,5-Trimethylbenzene	105		9.566					ND	
115 4-Chlorotoluene	126		9.575					ND	
107 2,3,4-Trichlorobutene	109		9.614					ND	
116 tert-Butylbenzene	134		9.810					ND	
117 Pentachloroethane	167		9.822					ND	
118 1,2,4-Trimethylbenzene	105		9.845					ND	
119 sec-Butylbenzene	105		9.973					ND	
121 1,3-Dichlorobenzene	146		10.050					ND	7
S 122 1,3-Dichloropropene, Total	100		10.060					ND	7
123 4-Isopropyltoluene	119		10.076					ND	7
* 124 1,4-Dichlorobenzene-d4	152	10.095	10.095	0.000	96	460097	50.0	50.0	
125 1,4-Dichlorobenzene	146		10.114					ND	7
126 1,2,3-Trimethylbenzene	105		10.153					ND	
127 Benzyl chloride	91		10.211					ND	
128 1,3-Diethylbenzene	119		10.291					ND	
129 p-Diethylbenzene	119		10.349					ND	
130 n-Butylbenzene	92		10.368					ND	
131 1,2-Dichlorobenzene	146		10.377					ND	
132 o-diethylbenzene	119		10.435					ND	7
133 1,2-Dibromo-3-Chloropropane	75		10.913					ND	
134 1,3,5-Trichlorobenzene	180		11.061					ND	
S 135 Xylenes, Total	106		11.245					ND	7
136 1,2,4-Trichlorobenzene	180		11.472					ND	
137 Hexachlorobutadiene	225		11.581					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
138 Naphthalene	128		11.635					ND	7
139 1,2,3-Trichlorobenzene	180		11.789					ND	
140 2-Methylnaphthalene	142		12.354					ND	7
141 Hexachloroethane	201		13.560					ND	
142 1,3-Dichlorobutene-2(total)	1		0.000					ND	
198 Propanol TIC	1		0.000					ND	
197 Acetonitrile TIC	1		0.000					ND	
196 2-Chloroethanol TIC	1		0.000					ND	
194 1,3-Dichlorobutene-2(total) TIC	1		0.000					ND	
193 Nitrobenzene TIC	1		0.000					ND	
192 Bromoethane TIC	1		0.000					ND	
199 2-Pentanone (TIC)	1		0.000					ND	
191 Malononitrile (TIC)	1		0.000					ND	
189 Epibromohydrin TIC	1		0.000					ND	
188 2-Picoline (TIC)	1		0.000					ND	
187 Chloroacetaldehyde TIC	1		0.000					ND	
186 Vinyl acetate (TIC)	1		0.000					ND	
185 Allyl Alcohol TIC	1		0.000					ND	
184 Vinyl bromide TIC	1		0.000					ND	
183 1-Bromopropane TIC	1		0.000					ND	
190 Epichlorohydrin TIC	1		0.000					ND	
219 2-Bromo-3-chloropropene TIC	1		0.000					ND	
182 1-Bromo-2-chloroethane TIC	1		0.000					ND	
202 Bis(2-chloroethyl)sulfide (TIC)	1		0.000					ND	
218 Ethylene oxide TIC	1		0.000					ND	
217 Paraldehyde TIC	1		0.000					ND	
216 Bromoacetone (TIC)	1		0.000					ND	
215 2,3-Dibromopropene TIC	1		0.000					ND	
214 Methanol TIC	1		0.000					ND	
213 Chloral hydrate (TIC)	1		0.000					ND	
212 3-Chloro-1,2-propanediol TIC	1		0.000					ND	
200 trans-1,2,3-Trichlorobutene-2	1		0.000					ND	
211 Pentachloroethane TIC	1		0.000					ND	
209 Monochloroacetic acid TIC	1		0.000					ND	
208 Ethanol TIC	1		0.000					ND	
207 Propargyl alcohol TIC	1		0.000					ND	
206 beta-Propiolactone TIC	1		0.000					ND	
205 Propene oxide	1		0.000					ND	
204 1-Chlorobutane	1		0.000					ND	
203 1,4-Divinylbenzene	1		0.000					ND	
201 1,1-Dichloro-1-fluoroethane	1		0.000					ND	
210 Pentafluorobenzene TIC	1		0.000					ND	
181 cis-1,2,3-Trichlorobutene-2	1		0.000					ND	
170 N-Nitrosodi-n-butylamine TIC	1		0.000					ND	
S 158 divinyl benzene	1		0.000					ND	7
157 1-Bromo-2-chloroethane	1		0.000					ND	
S 156 Total Diethylbenzene	1		0.000					ND	7
155 3-chloro-1-Butene	1		0.000					ND	
154 Methyl acrylate	1		0.000					ND	
153 tert-Butyl Formate	1		0.000					ND	
152 1,3-Divinylbenzene	1		0.000					ND	
159 Ethyl bromide	1		0.000					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
151 Chloroacetonitrile	1		0.000					ND	
149 Diethoxymethane	1		0.000					ND	
148 Methylal	1		0.000					ND	
144 1,1,2,2-Tetrachloro-1,2-difluoro1			0.000					ND	
143 Ethyl acrylate	55		0.000					ND	
150 1,2,3,4-Diepoxybutane (TIC)	1		0.000					ND	
179 2,3-Dibromo-1-propanol TIC	1		0.000					ND	
180 Ethyl ether TIC	1		0.000					ND	
162 1,3-Dichloro-2-propanol TIC	1		0.000					ND	
178 1-Methyl-2-pyrrolidinone TIC	1		0.000					ND	
177 n-Propylamine (TIC)	1		0.000					ND	
176 2-Bromoethanol TIC	1		0.000					ND	
175 o-toluidine TIC	1		0.000					ND	
S 174 Total BTEX	1		0.000					ND	
173 Propene oxide TIC	1		0.000					ND	
172 2-Methylbutane TIC	1		0.000					ND	
160 Diethoxymethane TIC	1		0.000					ND	
171 Propane TIC	1		0.000					ND	
169 Propionaldehyde TIC	1		0.000					ND	
168 1-Chlorobutane TIC	1		0.000					ND	
167 Isooctane TIC	1		0.000					ND	
166 Ethyl Acetate TIC	1		0.000					ND	
165 Chlorodifluoromethane TIC	1		0.000					ND	
164 n-butyl Acetate TIC	1		0.000					ND	
163 Tetranitromethane TIC	1		0.000					ND	
161 2,3-Dichloro-1,3-butadiene	1		0.000					ND	
220 Butane TIC	1		0.000					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

MSV_HP18_ISSS_00023

Amount Added: 1.00

Units: uL

Run Reagent

Report Date: 06-Jan-2022 11:52:48

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\WJ06X07.D

Injection Date: 06-Jan-2022 10:35:30

Instrument ID: 9137

Operator ID: lcp00895

Lims ID: MB

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

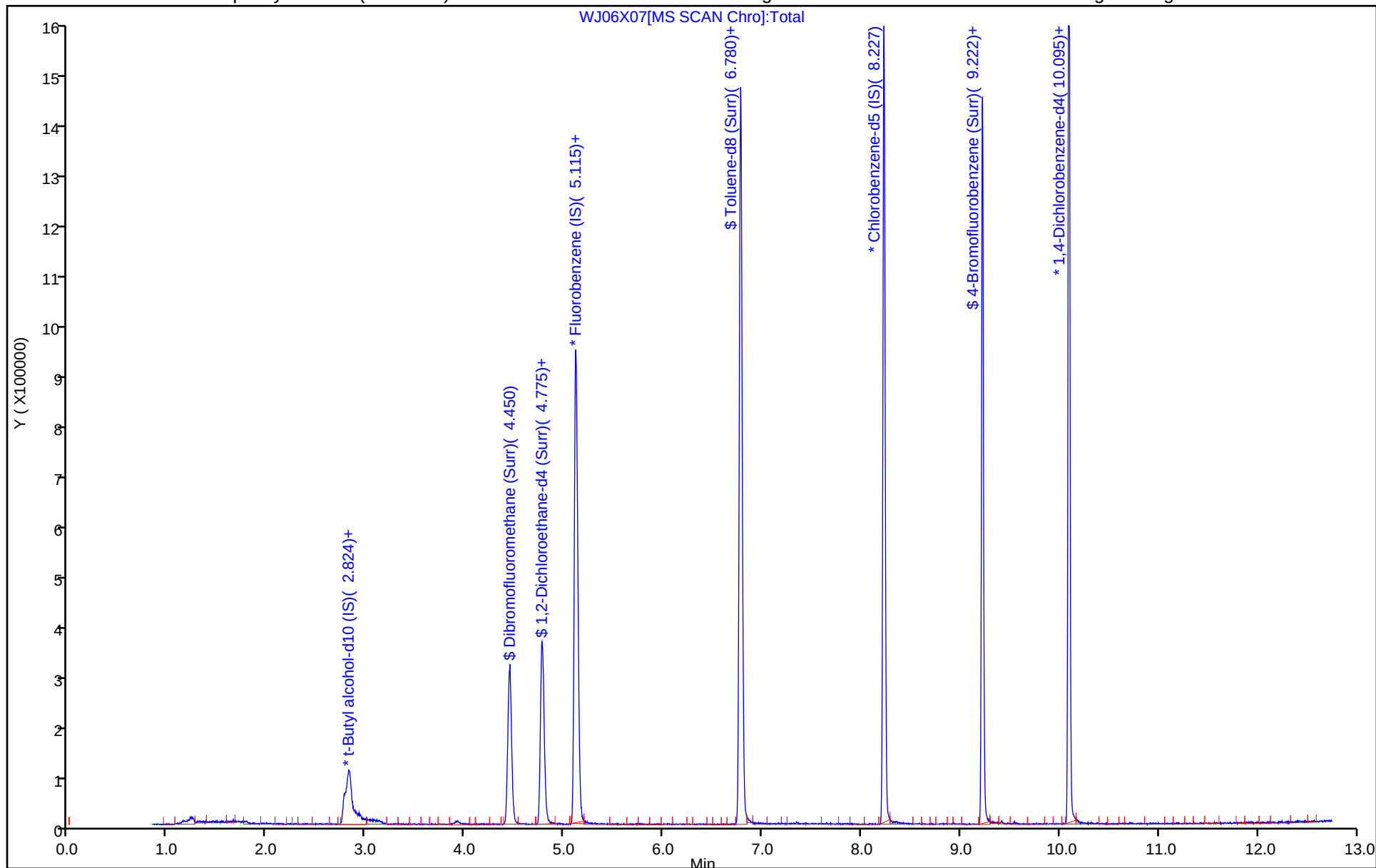
ALS Bottle#: 7

Method: MSVoa_9137

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCS 410-212194/5
 Matrix: Water Lab File ID: WJ06X04.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 01/06/2022 09:36
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: R-624SilMS 30m ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 212194 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	246		20	0.70

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-120
460-00-4	4-Bromofluorobenzene (Surr)	99		80-120
1868-53-7	Dibromofluoromethane (Surr)	101		80-120
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\WJ06X04.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 06-Jan-2022 09:36:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0047855-005
 Misc. Info.: LCS
 Operator ID: lcp00895 Instrument ID: 9137
 Method: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\MSVoa_9137.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Jan-2022 11:52:33 Calib Date: 15-Dec-2021 16:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15117.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1619

First Level Reviewer: papel

Date: 06-Jan-2022 10:03:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.351	1.335	0.016	99	182312	20.0	23.0	
5 Chloromethane	50	1.482	1.476	0.006	99	205725	20.0	19.3	
8 Butadiene	39	1.553	1.547	0.006	94	260412	20.0	24.2	
7 Vinyl chloride	62	1.563	1.556	0.007	98	202007	20.0	19.1	
10 Bromomethane	94	1.781	1.781	0.000	91	111202	20.0	18.5	
11 Chloroethane	64	1.826	1.819	0.007	100	111025	20.0	18.9	
13 Dichlorofluoromethane	67	1.977	1.970	0.007	98	254738	20.0	19.8	
15 Pentane	43	2.044	2.038	0.006	98	310778	20.0	22.2	
14 Trichlorofluoromethane	101	2.044	2.038	0.006	55	214097	20.0	19.7	
16 Ethanol	45	2.118	2.124	-0.006	43	125590	999.9	853.4	M
18 1,2-Dichloro-1,1,2-trifluoroetha	67	2.211	2.214	-0.003	95	180954	20.0	19.9	
19 Acrolein	56	2.301	2.294	0.007	99	372067	150.0	125.1	
20 1,1-Dichloroethene	96	2.394	2.391	0.004	96	120554	20.0	20.4	
21 112TCTFE	101	2.426	2.419	0.007	90	126487	20.0	22.9	
22 Acetone	58	2.429	2.426	0.003	100	345329	250.0	246.0	
24 Iodomethane	142	2.532	2.525	0.007	97	190861	20.0	20.5	
23 Isopropyl alcohol	45	2.493	2.535	-0.042	96	157959	150.0	157.3	M
25 Carbon disulfide	76	2.599	2.593	0.006	99	369835	20.0	21.8	
26 3-Chloro-1-propene	41	2.699	2.692	0.007	93	251106	20.0	20.8	
27 Methyl acetate	43	2.711	2.702	0.009	99	243600	20.0	25.5	M
28 Methylene Chloride	84	2.804	2.801	0.003	95	128528	20.0	19.2	
* 30 t-Butyl alcohol-d10 (IS)	65	2.830	2.824	0.006	93	389728	250.0	250.0	
31 2-Methyl-2-propanol	59	2.901	2.901	0.000	99	364992	200.0	191.4	M
32 Acrylonitrile	53	3.023	3.016	0.007	100	470517	100.0	101.0	
33 trans-1,2-Dichloroethene	96	3.055	3.052	0.003	98	127407	20.0	20.0	
34 Methyl tert-butyl ether	73	3.055	3.055	0.000	91	411687	20.0	19.4	
35 Hexane	57	3.315	3.302	0.013	92	248036	20.0	21.1	
36 1,1-Dichloroethane	63	3.440	3.430	0.010	96	247788	20.0	19.8	
37 Isopropyl ether	45	3.510	3.501	0.009	95	486752	20.0	19.8	
38 2-Chloro-1,3-butadiene	53	3.526	3.523	0.003	92	234034	20.0	21.0	
39 Tert-butyl ethyl ether	59	3.851	3.851	0.000	98	443816	20.0	19.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 2-Butanone (MEK)	43	3.976	3.969	0.007	100	1773650	250.0	255.7	
41 cis-1,2-Dichloroethene	96	3.992	3.985	0.007	85	137899	20.0	20.0	
42 2,2-Dichloropropane	77	4.001	4.001	0.000	83	204319	20.0	20.1	
44 Propionitrile	54	4.033	4.033	0.000	99	309813	150.0	145.0	
45 Methacrylonitrile	67	4.184	4.187	-0.003	94	712726	150.0	153.1	
46 Chlorobromomethane	128	4.213	4.216	-0.003	94	66129	20.0	20.4	
47 Tetrahydrofuran	71	4.248	4.242	0.006	83	173454	100.0	92.4	
48 Chloroform	83	4.297	4.293	0.004	95	209262	20.0	19.4	
\$ 50 Dibromofluoromethane (Surr)	113	4.451	4.444	0.007	93	264736	50.0	50.3	
51 1,1,1-Trichloroethane	97	4.483	4.483	0.000	92	196625	20.0	20.4	
53 Cyclohexane	56	4.550	4.547	0.003	94	298653	20.0	21.1	
54 1,1-Dichloropropene	75	4.640	4.637	0.003	96	195975	20.0	20.6	
55 Carbon tetrachloride	117	4.653	4.646	0.007	96	165237	20.0	20.9	
56 Isobutyl alcohol	41	4.743	4.743	0.000	97	286011	500.0	462.1	
\$ 57 1,2-Dichloroethane-d4 (Surr)	102	4.772	4.778	-0.006	98	73295	50.0	50.2	
58 Benzene	78	4.845	4.842	0.003	97	552717	20.0	19.9	
59 1,2-Dichloroethane	62	4.855	4.849	0.006	97	171470	20.0	19.3	
60 Tert-amyl methyl ether	73	4.964	4.964	0.000	99	411806	20.0	19.4	
* 61 Fluorobenzene (IS)	96	5.118	5.118	0.000	96	1125138	50.0	50.0	
62 n-Heptane	43	5.121	5.118	0.003	56	264515	20.0	20.2	
63 n-Butanol	56	5.426	5.420	0.006	89	501082	1000.0	960.8	
64 Trichloroethene	95	5.497	5.494	0.003	98	134221	20.0	20.2	
66 Methylcyclohexane	83	5.702	5.705	-0.003	94	281970	20.0	20.4	
67 1,2-Dichloropropane	63	5.721	5.721	0.000	98	150122	20.0	19.8	
68 2-ethoxy-2-methyl butane	87	5.776	5.773	0.003	90	203926	20.0	19.6	
69 Dibromomethane	93	5.840	5.840	0.000	97	79059	20.0	19.3	
70 Methyl methacrylate	69	5.853	5.853	0.000	96	138570	20.0	19.8	
71 1,4-Dioxane	88	5.869	5.856	0.013	65	49650	500.0	452.7	
72 Dichlorobromomethane	83	6.010	6.007	0.003	99	154382	20.0	19.8	
74 2-Nitropropane	41	6.251	6.248	0.003	98	58372	20.0	19.0	
75 2-Chloroethyl vinyl ether	63	6.341	6.341	0.000	91	113797	20.0	18.9	
77 cis-1,3-Dichloropropene	75	6.492	6.488	0.004	95	212569	20.0	19.2	
78 4-Methyl-2-pentanone (MIBK)	43	6.665	6.665	0.000	97	3340152	250.0	252.7	
\$ 79 Toluene-d8 (Surr)	98	6.780	6.784	-0.004	94	1182984	50.0	49.2	
80 Toluene	92	6.851	6.851	0.000	98	345643	20.0	18.8	
81 trans-1,3-Dichloropropene	75	7.098	7.095	0.003	94	196937	20.0	19.0	
84 Ethyl methacrylate	69	7.217	7.217	0.000	92	220362	20.0	19.1	
87 1,1,2-Trichloroethane	97	7.287	7.291	-0.003	92	119426	20.0	19.3	
88 Tetrachloroethene	166	7.441	7.438	0.003	98	146394	20.0	20.0	
89 1,3-Dichloropropane	76	7.461	7.457	0.004	94	211553	20.0	18.7	
90 2-Hexanone	43	7.557	7.557	0.000	98	2587152	250.0	252.4	
92 Chlorodibromomethane	129	7.682	7.685	-0.003	90	120604	20.0	19.0	
93 Ethylene Dibromide	107	7.788	7.788	0.000	96	127131	20.0	19.0	
* 94 Chlorobenzene-d5 (IS)	117	8.228	8.228	0.000	88	852281	50.0	50.0	
95 1-Chlorohexane	91	8.247	8.247	0.000	94	198808	20.0	20.1	
96 Chlorobenzene	112	8.253	8.250	0.003	94	350758	20.0	18.9	
97 1,1,1,2-Tetrachloroethane	131	8.330	8.330	0.000	97	115528	20.0	18.7	
98 Ethylbenzene	91	8.362	8.359	0.003	98	651096	20.0	19.5	
99 m-Xylene & p-Xylene	106	8.465	8.465	0.000	100	504177	40.0	39.3	
101 o-Xylene	106	8.802	8.802	0.000	96	244377	20.0	19.1	
102 Styrene	104	8.812	8.812	0.000	95	396217	20.0	19.0	
103 Bromoform	173	8.956	8.956	0.000	97	91004	20.0	19.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
104 Isopropylbenzene	105	9.107	9.107	0.000	96	673898	20.0	20.6	
105 Cyclohexanone	55	9.174	9.168	0.006	95	221040	500.0	465.0	
\$ 106 4-Bromofluorobenzene (Surr)	95	9.222	9.222	0.000	90	425422	50.0	49.4	
108 Bromobenzene	156	9.335	9.335	0.000	94	147625	20.0	19.4	
109 1,1,2,2-Tetrachloroethane	83	9.338	9.338	0.000	93	214564	20.0	19.4	
110 1,2,3-Trichloropropane	110	9.367	9.367	0.000	84	62085	20.0	19.2	
111 trans-1,4-Dichloro-2-butene	53	9.383	9.383	0.000	94	304466	100.0	80.7	
112 N-Propylbenzene	91	9.428	9.431	-0.003	99	779668	20.0	20.3	
113 2-Chlorotoluene	126	9.492	9.492	0.000	96	147217	20.0	19.7	
114 1,3,5-Trimethylbenzene	105	9.566	9.566	0.000	95	535379	20.0	19.7	
115 4-Chlorotoluene	126	9.575	9.575	0.000	99	147557	20.0	19.6	
116 tert-Butylbenzene	134	9.813	9.810	0.003	94	113482	20.0	20.0	
118 1,2,4-Trimethylbenzene	105	9.845	9.845	0.000	98	545582	20.0	19.7	
119 sec-Butylbenzene	105	9.973	9.973	0.000	94	713665	20.0	21.1	
121 1,3-Dichlorobenzene	146	10.050	10.050	0.000	98	284756	20.0	19.4	
123 4-Isopropyltoluene	119	10.076	10.076	0.000	97	601136	20.0	21.0	
* 124 1,4-Dichlorobenzene-d4	152	10.095	10.095	0.000	96	476807	50.0	50.0	
125 1,4-Dichlorobenzene	146	10.111	10.114	-0.003	95	288664	20.0	19.0	
126 1,2,3-Trimethylbenzene	105	10.153	10.153	0.000	99	550339	20.0	19.5	
127 Benzyl chloride	91	10.211	10.211	0.000	99	412272	20.0	19.1	
128 1,3-Diethylbenzene	119	10.291	10.291	0.000	96	350425	20.0	20.4	
129 p-Diethylbenzene	119	10.352	10.349	0.003	94	369100	20.0	20.9	
130 n-Butylbenzene	92	10.368	10.368	0.000	98	296029	20.0	20.8	
131 1,2-Dichlorobenzene	146	10.381	10.377	0.004	98	281709	20.0	19.5	
132 o-diethylbenzene	119	10.432	10.435	-0.003	95	297979	20.0	20.5	
133 1,2-Dibromo-3-Chloropropane	75	10.913	10.913	0.000	84	51435	20.0	18.0	
134 1,3,5-Trichlorobenzene	180	11.061	11.061	0.000	98	211442	20.0	19.6	
136 1,2,4-Trichlorobenzene	180	11.469	11.472	-0.003	95	198666	20.0	19.0	
137 Hexachlorobutadiene	225	11.581	11.581	0.000	95	87957	20.0	21.1	
138 Naphthalene	128	11.632	11.635	-0.003	97	715224	20.0	19.2	
139 1,2,3-Trichlorobenzene	180	11.789	11.789	0.000	96	201965	20.0	19.7	
140 2-Methylnaphthalene	142	12.354	12.354	0.000	93	413895	20.0	20.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00034	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00039	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00037	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00064	Amount Added: 50.00	Units: uL	
MSV_LCS_ETOH_00001	Amount Added: 50.00	Units: uL	
MSV_QCYC_00006	Amount Added: 50.00	Units: uL	
MSV_HP18_ISSS_00023	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 06-Jan-2022 11:52:36

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\WJ06X04.D

Injection Date: 06-Jan-2022 09:36:30

Instrument ID: 9137

Operator ID: lcp00895

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

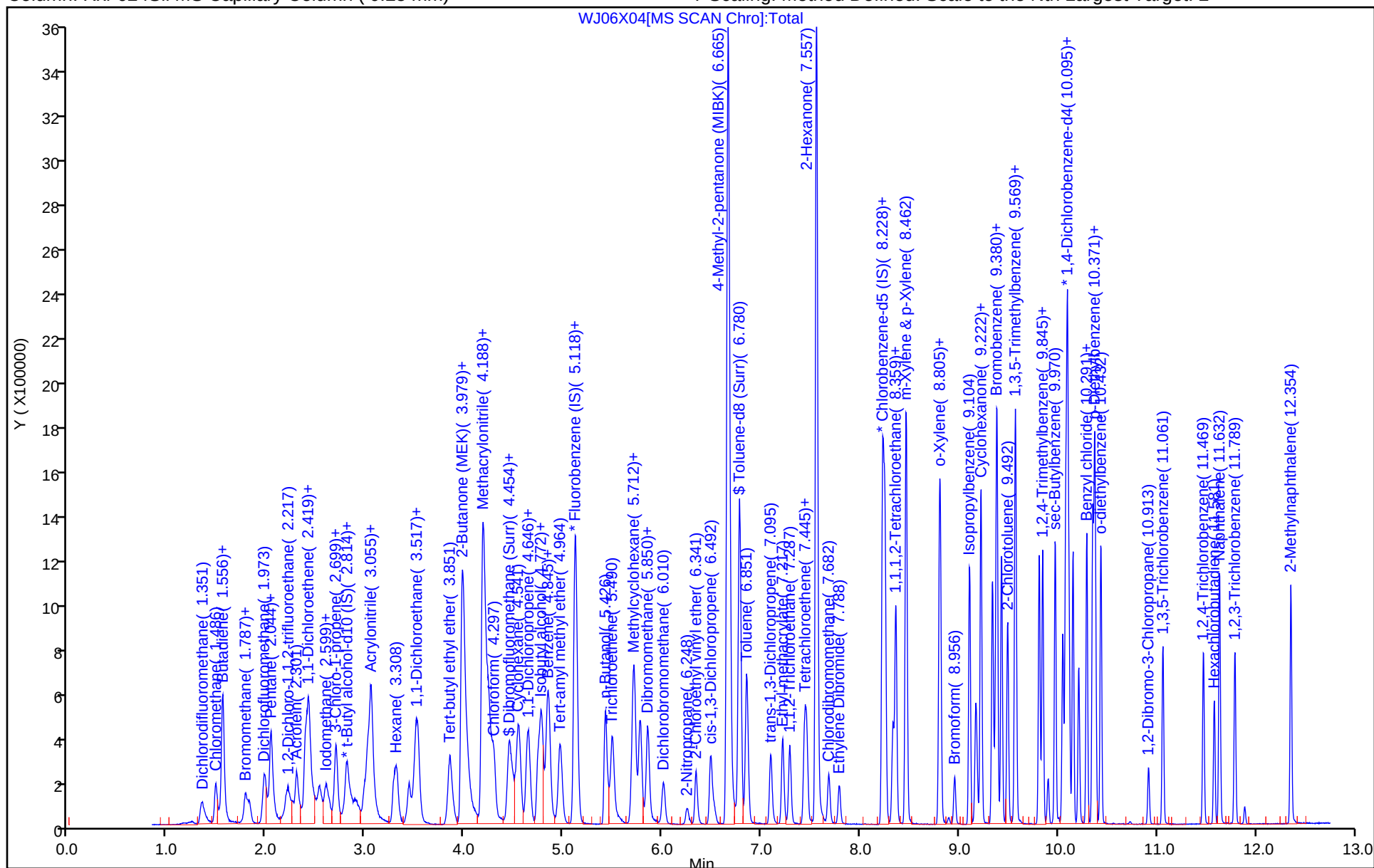
ALS Bottle#: 4

Method: MSVoa_9137

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
 SDG No.: _____
 Client Sample ID: _____ Lab Sample ID: LCSD 410-212194/6
 Matrix: Water Lab File ID: WJ06X05.D
 Analysis Method: 8260C Date Collected: _____
 Sample wt/vol: 5 (mL) Date Analyzed: 01/06/2022 09:56
 Soil Aliquot Vol: _____ Dilution Factor: 1
 Soil Extract Vol.: _____ GC Column: R-624SilMS 30m ID: 0.25 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 212194 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	228		20	0.70

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		80-120
460-00-4	4-Bromofluorobenzene (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	102		80-120
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\WJ06X05.D
 Lims ID: LCSD
 Client ID:
 Sample Type: LCSD
 Inject. Date: 06-Jan-2022 09:56:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 410-0047855-006
 Misc. Info.: LCSD
 Operator ID: lcp00895 Instrument ID: 9137
 Method: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\MSVoa_9137.m
 Limit Group: MSV - 8260C_D
 Last Update: 06-Jan-2022 11:52:33 Calib Date: 15-Dec-2021 16:35:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\9137\20211215-46415.b\WD15117.D
 Column 1 : Rxi-624Sil MS Capillary Column (0.25 mm) Det: MS Quad
 Process Host: CTX1619

First Level Reviewer: papel

Date: 06-Jan-2022 10:33:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.332	1.335	-0.003	100	177897	20.0	22.6	
5 Chloromethane	50	1.479	1.476	0.003	99	206744	20.0	19.6	
8 Butadiene	39	1.547	1.547	0.000	92	244296	20.0	22.9	
7 Vinyl chloride	62	1.550	1.556	-0.006	98	200854	20.0	19.1	
10 Bromomethane	94	1.778	1.781	-0.003	91	111670	20.0	18.7	
11 Chloroethane	64	1.816	1.819	-0.003	99	109790	20.0	18.8	
13 Dichlorofluoromethane	67	1.967	1.970	-0.003	98	252082	20.0	19.7	
15 Pentane	43	2.037	2.038	-0.001	99	303167	20.0	21.8	
14 Trichlorofluoromethane	101	2.034	2.038	-0.004	75	213681	20.0	19.8	
16 Ethanol	45	2.143	2.124	0.019	95	126589	999.9	843.7	
18 1,2-Dichloro-1,1,2-trifluoroetha	67	2.208	2.214	-0.006	94	178684	20.0	19.8	
19 Acrolein	56	2.301	2.294	0.007	99	386255	150.0	127.3	
20 1,1-Dichloroethene	96	2.394	2.391	0.004	99	120515	20.0	20.5	
21 112TCTFE	101	2.419	2.419	0.000	74	126950	20.0	23.2	
22 Acetone	58	2.419	2.426	-0.007	100	327038	250.0	228.5	
24 Iodomethane	142	2.532	2.525	0.007	98	189232	20.0	20.4	
23 Isopropyl alcohol	45	2.493	2.535	-0.042	78	151685	150.0	148.1	
25 Carbon disulfide	76	2.596	2.593	0.003	99	364223	20.0	21.6	
26 3-Chloro-1-propene	41	2.695	2.692	0.003	91	244771	20.0	20.4	
27 Methyl acetate	43	2.705	2.702	0.003	31	247315	20.0	26.1	M
28 Methylene Chloride	84	2.804	2.801	0.003	97	125592	20.0	18.9	
* 30 t-Butyl alcohol-d10 (IS)	65	2.824	2.824	0.000	95	397377	250.0	250.0	
31 2-Methyl-2-propanol	59	2.894	2.901	-0.007	34	367119	200.0	188.8	M
32 Acrylonitrile	53	3.019	3.016	0.003	99	487854	100.0	105.5	
33 trans-1,2-Dichloroethene	96	3.052	3.052	0.000	95	125512	20.0	19.8	
34 Methyl tert-butyl ether	73	3.055	3.055	0.000	89	409082	20.0	19.4	
35 Hexane	57	3.302	3.302	0.000	96	240641	20.0	20.6	
36 1,1-Dichloroethane	63	3.433	3.430	0.003	96	237172	20.0	19.1	
37 Isopropyl ether	45	3.501	3.501	0.000	95	485001	20.0	19.9	
38 2-Chloro-1,3-butadiene	53	3.523	3.523	0.000	91	240094	20.0	21.7	
39 Tert-butyl ethyl ether	59	3.847	3.851	-0.004	98	429802	20.0	19.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 2-Butanone (MEK)	43	3.969	3.969	0.000	100	1741369	250.0	252.8	
41 cis-1,2-Dichloroethene	96	3.985	3.985	0.000	49	139245	20.0	20.3	
42 2,2-Dichloropropane	77	3.989	4.001	-0.013	73	205065	20.0	20.3	
44 Propionitrile	54	4.037	4.033	0.004	79	302510	150.0	138.9	
45 Methacrylonitrile	67	4.184	4.187	-0.003	94	712048	150.0	154.1	
46 Chlorobromomethane	128	4.213	4.216	-0.003	96	65303	20.0	20.3	
47 Tetrahydrofuran	71	4.242	4.242	0.000	82	175974	100.0	91.9	
48 Chloroform	83	4.290	4.293	-0.003	95	209985	20.0	19.6	
\$ 50 Dibromofluoromethane (Surr)	113	4.447	4.444	0.003	94	266361	50.0	51.0	
51 1,1,1-Trichloroethane	97	4.479	4.483	-0.004	99	195783	20.0	20.5	
53 Cyclohexane	56	4.544	4.547	-0.003	93	300360	20.0	21.3	
54 1,1-Dichloropropene	75	4.630	4.637	-0.007	96	202284	20.0	21.4	
55 Carbon tetrachloride	117	4.646	4.646	0.000	98	163357	20.0	20.8	
56 Isobutyl alcohol	41	4.743	4.743	0.000	95	290528	500.0	460.3	
\$ 57 1,2-Dichloroethane-d4 (Surr)	102	4.778	4.778	0.000	95	71678	50.0	49.5	
58 Benzene	78	4.832	4.842	-0.010	96	551240	20.0	19.9	
59 1,2-Dichloroethane	62	4.845	4.849	-0.004	95	168070	20.0	19.1	
60 Tert-amyl methyl ether	73	4.964	4.964	0.000	96	404675	20.0	19.2	
* 61 Fluorobenzene (IS)	96	5.118	5.118	0.000	98	1117209	50.0	50.0	
62 n-Heptane	43	5.118	5.118	0.000	90	261081	20.0	20.1	
63 n-Butanol	56	5.420	5.420	0.000	90	501049	1000.0	942.3	
64 Trichloroethene	95	5.490	5.494	-0.004	98	131575	20.0	19.9	
66 Methylcyclohexane	83	5.702	5.705	-0.003	95	287951	20.0	20.9	
67 1,2-Dichloropropane	63	5.721	5.721	0.000	97	149255	20.0	19.8	
68 2-ethoxy-2-methyl butane	87	5.776	5.773	0.003	91	199120	20.0	19.3	
69 Dibromomethane	93	5.837	5.840	-0.003	96	77833	20.0	19.1	
70 Methyl methacrylate	69	5.853	5.853	0.000	95	138115	20.0	19.8	
71 1,4-Dioxane	88	5.859	5.856	0.003	38	53502	500.0	478.4	
72 Dichlorobromomethane	83	6.007	6.007	0.000	99	154241	20.0	19.9	
74 2-Nitropropane	41	6.251	6.248	0.003	98	57316	20.0	18.3	
75 2-Chloroethyl vinyl ether	63	6.341	6.341	0.000	91	117443	20.0	19.7	
77 cis-1,3-Dichloropropene	75	6.488	6.488	0.000	96	214561	20.0	19.5	
78 4-Methyl-2-pentanone (MIBK)	43	6.665	6.665	0.000	98	3343079	250.0	254.8	
\$ 79 Toluene-d8 (Surr)	98	6.777	6.784	-0.007	93	1186926	50.0	49.3	
80 Toluene	92	6.854	6.851	0.003	98	343912	20.0	18.7	
81 trans-1,3-Dichloropropene	75	7.095	7.095	0.000	95	197009	20.0	19.0	
84 Ethyl methacrylate	69	7.217	7.217	0.000	92	222006	20.0	19.2	
87 1,1,2-Trichloroethane	97	7.287	7.291	-0.003	91	122317	20.0	19.8	
88 Tetrachloroethene	166	7.438	7.438	0.000	98	145066	20.0	19.8	
89 1,3-Dichloropropane	76	7.457	7.457	0.000	94	212329	20.0	18.8	
90 2-Hexanone	43	7.557	7.557	0.000	97	2597673	250.0	252.9	
92 Chlorodibromomethane	129	7.682	7.685	-0.003	90	119201	20.0	18.8	
93 Ethylene Dibromide	107	7.788	7.788	0.000	97	123928	20.0	18.5	
* 94 Chlorobenzene-d5 (IS)	117	8.227	8.228	-0.001	87	854064	50.0	50.0	
95 1-Chlorohexane	91	8.247	8.247	0.000	93	197981	20.0	20.0	
96 Chlorobenzene	112	8.253	8.250	0.003	94	352925	20.0	19.0	
97 1,1,1,2-Tetrachloroethane	131	8.330	8.330	0.000	96	114514	20.0	18.5	
98 Ethylbenzene	91	8.359	8.359	0.000	98	660703	20.0	19.8	
99 m-Xylene & p-Xylene	106	8.465	8.465	0.000	100	509817	40.0	39.6	
101 o-Xylene	106	8.802	8.802	0.000	97	249496	20.0	19.5	
102 Styrene	104	8.812	8.812	0.000	95	394944	20.0	18.9	
103 Bromoform	173	8.956	8.956	0.000	98	90054	20.0	19.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
104 Isopropylbenzene	105	9.107	9.107	0.000	96	673318	20.0	20.5	
105 Cyclohexanone	55	9.171	9.168	0.003	94	222952	500.0	460.0	
\$ 106 4-Bromofluorobenzene (Surr)	95	9.222	9.222	0.000	90	439369	50.0	50.9	
108 Bromobenzene	156	9.338	9.335	0.003	93	149148	20.0	19.2	
109 1,1,2,2-Tetrachloroethane	83	9.338	9.338	0.000	92	215941	20.0	19.1	
110 1,2,3-Trichloropropane	110	9.373	9.367	0.006	84	61260	20.0	18.5	
111 trans-1,4-Dichloro-2-butene	53	9.383	9.383	0.000	95	312845	100.0	81.2	
112 N-Propylbenzene	91	9.428	9.431	-0.003	99	775454	20.0	19.8	
113 2-Chlorotoluene	126	9.492	9.492	0.000	96	141361	20.0	18.5	
114 1,3,5-Trimethylbenzene	105	9.566	9.566	0.000	95	542258	20.0	19.6	
115 4-Chlorotoluene	126	9.575	9.575	0.000	99	147983	20.0	19.2	
116 tert-Butylbenzene	134	9.809	9.810	-0.001	93	114055	20.0	19.7	
118 1,2,4-Trimethylbenzene	105	9.845	9.845	0.000	98	549377	20.0	19.5	
119 sec-Butylbenzene	105	9.973	9.973	0.000	94	716703	20.0	20.8	
121 1,3-Dichlorobenzene	146	10.050	10.050	0.000	98	279790	20.0	18.7	
123 4-Isopropyltoluene	119	10.079	10.076	0.003	97	593585	20.0	20.3	
* 124 1,4-Dichlorobenzene-d4	152	10.095	10.095	0.000	93	486754	50.0	50.0	
125 1,4-Dichlorobenzene	146	10.111	10.114	-0.003	95	290078	20.0	18.7	
126 1,2,3-Trimethylbenzene	105	10.153	10.153	0.000	98	549189	20.0	19.1	
127 Benzyl chloride	91	10.211	10.211	0.000	98	415655	20.0	18.9	
128 1,3-Diethylbenzene	119	10.291	10.291	0.000	96	351787	20.0	20.0	
129 p-Diethylbenzene	119	10.349	10.349	0.000	95	367726	20.0	20.4	
130 n-Butylbenzene	92	10.368	10.368	0.000	98	295485	20.0	20.4	
131 1,2-Dichlorobenzene	146	10.381	10.377	0.004	98	274575	20.0	18.6	
132 o-diethylbenzene	119	10.435	10.435	0.000	95	294483	20.0	19.8	
133 1,2-Dibromo-3-Chloropropane	75	10.913	10.913	0.000	85	53411	20.0	18.3	
134 1,3,5-Trichlorobenzene	180	11.061	11.061	0.000	98	214232	20.0	19.4	
136 1,2,4-Trichlorobenzene	180	11.468	11.472	-0.004	94	195646	20.0	18.3	
137 Hexachlorobutadiene	225	11.581	11.581	0.000	96	86410	20.0	20.3	
138 Naphthalene	128	11.632	11.635	-0.003	97	716776	20.0	18.9	
139 1,2,3-Trichlorobenzene	180	11.789	11.789	0.000	95	196667	20.0	18.8	
140 2-Methylnaphthalene	142	12.354	12.354	0.000	93	411580	20.0	19.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

MSV_LCS_VOC#1_00034	Amount Added: 50.00	Units: uL	
MSV_LCS_2CEVE_00039	Amount Added: 50.00	Units: uL	
MSV_LCS_ACROL_00037	Amount Added: 50.00	Units: uL	
MSV_LCS_Gases_00064	Amount Added: 50.00	Units: uL	
MSV_LCS_ETOH_00001	Amount Added: 50.00	Units: uL	
MSV_QCYC_00006	Amount Added: 50.00	Units: uL	
MSV_HP18_ISSS_00023	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 06-Jan-2022 11:52:40

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\9137\20220106-47855.b\WJ06X05.D

Injection Date: 06-Jan-2022 09:56:30

Instrument ID: 9137

Operator ID: lcp00895

Lims ID: LCSD

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

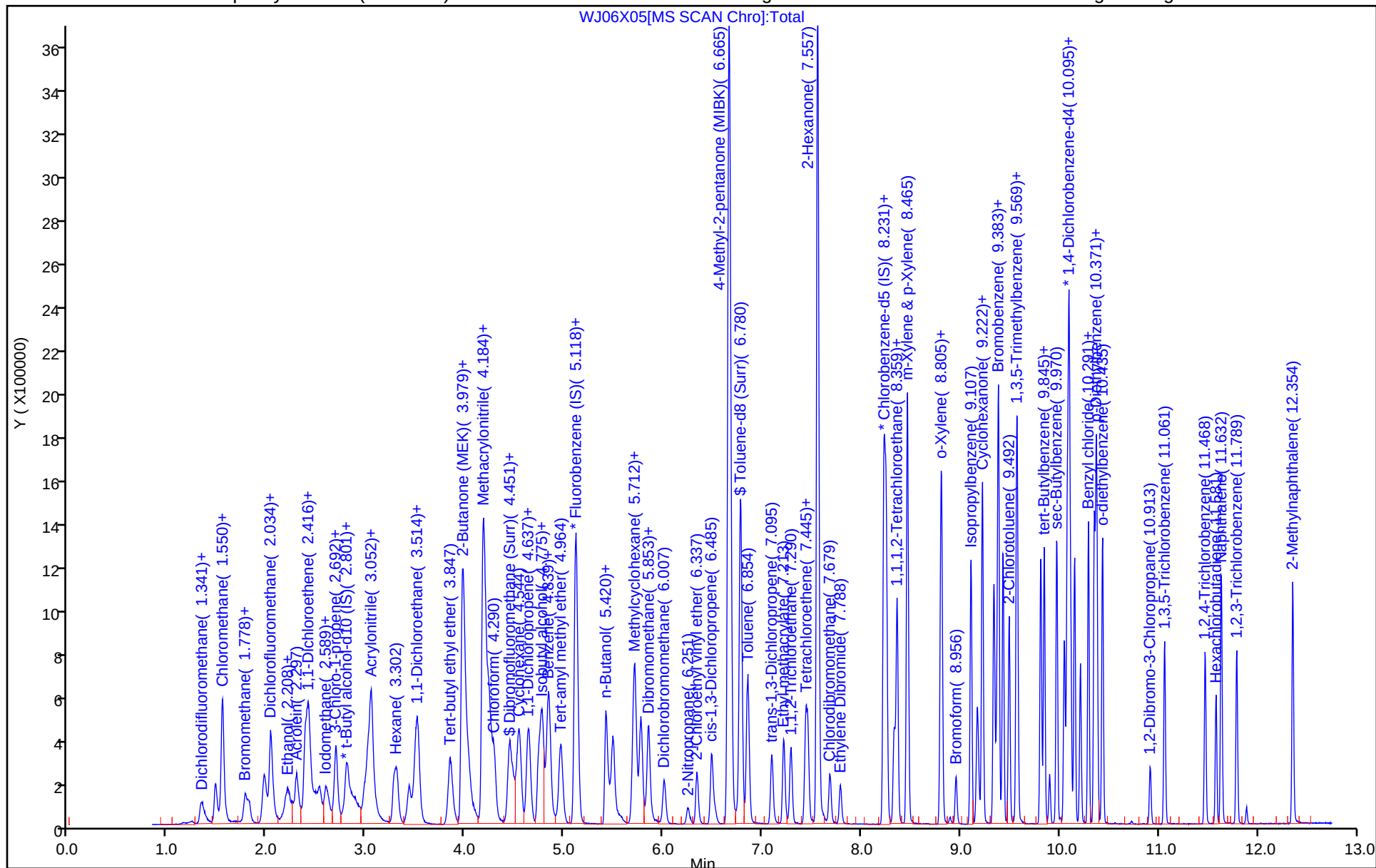
ALS Bottle#: 5

Method: MSVoa_9137

Limit Group: MSV - 8260C_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1

SDG No.: _____

Instrument ID: 9137Start Date: 12/15/2021 11:04Analysis Batch Number: 205625End Date: 12/15/2021 21:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-205625/1		12/15/2021 11:04	1	WD15T01.D	R-624SilMS 30m 0.25 (mm)
IC 410-205625/3		12/15/2021 11:59	1		R-624SilMS 30m 0.25 (mm)
IC 410-205625/4		12/15/2021 12:19	1		R-624SilMS 30m 0.25 (mm)
IC 410-205625/5		12/15/2021 12:38	1		R-624SilMS 30m 0.25 (mm)
IC 410-205625/6		12/15/2021 12:58	1		R-624SilMS 30m 0.25 (mm)
IC 410-205625/7		12/15/2021 13:18	1		R-624SilMS 30m 0.25 (mm)
IC 410-205625/8		12/15/2021 13:38	1		R-624SilMS 30m 0.25 (mm)
ICV 410-205625/9		12/15/2021 13:57	1		R-624SilMS 30m 0.25 (mm)
IC 410-205625/11		12/15/2021 14:37	1	WD15I11.D	R-624SilMS 30m 0.25 (mm)
IC 410-205625/12		12/15/2021 14:57	1	WD15I12.D	R-624SilMS 30m 0.25 (mm)
ICIS 410-205625/13		12/15/2021 15:17	1	WD15I13.D	R-624SilMS 30m 0.25 (mm)
IC 410-205625/14		12/15/2021 15:36	1	WD15I14.D	R-624SilMS 30m 0.25 (mm)
IC 410-205625/15		12/15/2021 15:56	1	WD15I15.D	R-624SilMS 30m 0.25 (mm)
IC 410-205625/16		12/15/2021 16:16	1	WD15I16.D	R-624SilMS 30m 0.25 (mm)
IC 410-205625/17		12/15/2021 16:35	1	WD15I17.D	R-624SilMS 30m 0.25 (mm)
ICV 410-205625/18		12/15/2021 16:55	1	WD15V11.D	R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/15/2021 17:34	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/15/2021 17:54	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/15/2021 17:54	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/15/2021 18:14	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/15/2021 18:33	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/15/2021 18:53	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/15/2021 19:13	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/15/2021 19:13	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/15/2021 19:33	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/15/2021 19:52	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/15/2021 20:12	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/15/2021 20:32	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/15/2021 20:52	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		12/15/2021 21:11	1		R-624SilMS 30m 0.25 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1

SDG No.: _____

Instrument ID: 9137Start Date: 01/06/2022 08:19Analysis Batch Number: 212194End Date: 01/06/2022 21:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-212194/1		01/06/2022 08:19	1	WJ06T01.D	R-624SilMS 30m 0.25 (mm)
CCVIS 410-212194/3		01/06/2022 08:57	1	WJ06X02.D	R-624SilMS 30m 0.25 (mm)
CCV 410-212194/4		01/06/2022 09:17	1		R-624SilMS 30m 0.25 (mm)
LCS 410-212194/5		01/06/2022 09:36	1	WJ06X04.D	R-624SilMS 30m 0.25 (mm)
LCSD 410-212194/6		01/06/2022 09:56	1	WJ06X05.D	R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 10:16	1		R-624SilMS 30m 0.25 (mm)
MB 410-212194/8		01/06/2022 10:35	1	WJ06X07.D	R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 10:55	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 11:15	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 11:35	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 11:54	1		R-624SilMS 30m 0.25 (mm)
410-68062-1	Low Range VOC PT Lot# 122121	01/06/2022 12:14	5	WJ06X12.D	R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 12:34	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 12:53	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 13:13	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 13:33	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 13:53	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 14:13	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 14:33	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 14:53	10		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 15:12	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 15:32	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 15:52	2		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 16:11	20		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 16:31	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 16:51	10		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 17:11	10		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 17:30	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 17:50	10		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 18:09	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 18:29	1		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 18:49	10		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 19:09	10		R-624SilMS 30m 0.25 (mm)
ZZZZZ		01/06/2022 21:23	100		R-624SilMS 30m 0.25 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-68062-1

SDG No.: _____

Batch Number: 205625 Batch Start Date: 12/15/21 11:04 Batch Analyst: Long, Jason MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Lot#Vial	MSV_4ppbEtOH 00296	MSV_CCV_2CEVE 00039	MSV_CCV_ETOH 00001
BFB 410-205625/1		8260C		1 uL	1 uL				
IC 410-205625/11		8260C		5 mL	5 mL	2617		15 uL	30 uL
IC 410-205625/12		8260C		5 mL	5 mL	2617		5 uL	10 uL
ICIS 410-205625/13		8260C		5 mL	5 mL	2617		5 uL	10 uL
IC 410-205625/14		8260C		5 mL	5 mL	2617		4 uL	16 uL
IC 410-205625/15		8260C		5 mL	5 mL	2617		2 uL	8 uL
IC 410-205625/16		8260C		5 mL	5 mL	2617		4 uL	20 uL
IC 410-205625/17		8260C		5 mL	5 mL	2617	12.5 mL		
ICV 410-205625/18		8260C		5 mL	5 mL	2617			

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_CCV_GASES 00119	MSV_CCV_VOC#1 00042	MSV_CCV_VOC#3 00041	MSV_HP18_ISSS 00023	MSV_LCS_2CEVE 00036	MSV_LCS_ACROL 00034
BFB 410-205625/1		8260C							
IC 410-205625/11		8260C		7.5 uL	15 uL	12 uL	1 uL		
IC 410-205625/12		8260C		2.5 uL	5 uL	4 uL	1 uL		
ICIS 410-205625/13		8260C		2.5 uL	5 uL	4 uL	1 uL		
IC 410-205625/14		8260C		2 uL	4 uL	3.2 uL	1 uL		
IC 410-205625/15		8260C		1 uL	2 uL	1.6 uL	1 uL		
IC 410-205625/16		8260C		2 uL	4 uL	3.2 uL	1 uL		
IC 410-205625/17		8260C					1 uL		
ICV 410-205625/18		8260C					1 uL	50 uL	50 uL

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260C

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-68062-1

SDG No.: _____

Batch Number: 205625 Batch Start Date: 12/15/21 11:04 Batch Analyst: Long, Jason MBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_ETOH 00001	MSV_LCS_Gases 00059	MSV_LCS_VOC#1 00031	MSV_QCYC 00006	MSV_V_BFB 00006	MSV_V_VOA2 00118
BFB 410-205625/1		8260C						1 uL	
IC 410-205625/11		8260C							
IC 410-205625/12		8260C							
ICIS 410-205625/13		8260C							
IC 410-205625/14		8260C							4 uL
IC 410-205625/15		8260C							2 uL
IC 410-205625/16		8260C							12 uL
IC 410-205625/17		8260C							
ICV 410-205625/18		8260C		50 uL	50 uL	50 uL	50 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_VCYC 00007					
BFB 410-205625/1		8260C							
IC 410-205625/11		8260C		30 uL					
IC 410-205625/12		8260C		10 uL					
ICIS 410-205625/13		8260C		10 uL					
IC 410-205625/14		8260C		16 uL					
IC 410-205625/15		8260C		8 uL					
IC 410-205625/16		8260C		32 uL					
IC 410-205625/17		8260C							
ICV 410-205625/18		8260C							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260C

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-68062-1

SDG No.: _____

Batch Number: 205625 Batch Start Date: 12/15/21 11:04 Batch Analyst: Long, Jason MBatch Method: 8260C Batch End Date: _____

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260C

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-68062-1

SDG No.: _____

Batch Number: 212194 Batch Start Date: 01/06/22 08:19 Batch Analyst: Pape, Linda CBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	ResidualChloChe ck	Headspace	Lot#Vial
BFB 410-212194/1		8260C		1 uL	1 uL				
CCVIS 410-212194/3		8260C		5 mL	5 mL				2617
LCS 410-212194/5		8260C		5 mL	5 mL				2617
LCS 410-212194/6		8260C		5 mL	5 mL				2617
MB 410-212194/8		8260C		5 mL	5 mL				2617
410-68062-A-1	Low Range VOC PT Lot# 122121	8260C	T	5 mL	5 mL	5 SU	N	N	2617

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_CCV_2CEVE 00043	MSV_CCV_ETOH 00001	MSV_CCV_GASES 00128	MSV_CCV_VOC#1 00046	MSV_CCV_VOC#3 00045	MSV_HP18_ISSS 00023
BFB 410-212194/1		8260C							
CCVIS 410-212194/3		8260C		5 uL	10 uL	2.5 uL	5 uL	4 uL	1 uL
LCS 410-212194/5		8260C							1 uL
LCS 410-212194/6		8260C							1 uL
MB 410-212194/8		8260C							1 uL
410-68062-A-1	Low Range VOC PT Lot# 122121	8260C	T						1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_LCS_2CEVE 00039	MSV_LCS_ACROL 00037	MSV_LCS_ETOH 00001	MSV_LCS_Gases 00064	MSV_LCS_VOC#1 00034	MSV_QCYC 00006
BFB 410-212194/1		8260C							
CCVIS 410-212194/3		8260C							
LCS 410-212194/5		8260C		50 uL	50 uL	50 uL	50 uL	50 uL	50 uL
LCS 410-212194/6		8260C		50 uL	50 uL	50 uL	50 uL	50 uL	50 uL
MB 410-212194/8		8260C							
410-68062-A-1	Low Range VOC PT Lot# 122121	8260C	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260C

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-68062-1

SDG No.: _____

Batch Number: 212194 Batch Start Date: 01/06/22 08:19 Batch Analyst: Pape, Linda CBatch Method: 8260C Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	MSV_V_BFB 00006	MSV_VCYC 00007				
BFB 410-212194/1		8260C		1 uL					
CCVIS 410-212194/3		8260C			10 uL				
LCS 410-212194/5		8260C							
LCSD 410-212194/6		8260C							
MB 410-212194/8		8260C							
410-68062-A-1	Low Range VOC PT Lot# 122121	8260C	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8260C

Page 2 of 2

Method 8015D DAI

Nonhalogenated Organic Compounds
(Direct Injection GC) by Method
8015D

FORM II
GC VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-68062-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): RTX200 ID: _____ GC Column (2): SP1000 _____

Client Sample ID	Lab Sample ID	Acetone1#	Acetone2#
Low Range VOC PT Lot# 122121	410-68062-1	92	95
	MB 410-212303/1-A	91	98
	LCS 410-212303/2-A	85	96

Acetone = Acetone

QC LIMITS
58-149

Column to be used to flag recovery values

FORM II 8015D

FORM III

Lab Name: Eurofins Lancaster Laboratories
Env, LLC

Job No.: 410-68062-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 272022_1_6.0006.D

Lab ID: LCS 410-212303/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Ethanol	2500	2520	101	74-134	
Methanol	2510	2800	112	74-134	

```
# Column to be used to flag recovery and RPD values
```

Lab Name: Eurofins Lancaster Laboratories Env, LLC	Job No.: 410-68062-1
SDG No.:	
Lab Sample ID: MB 410-212303/1-A	
Matrix: Water	Date Extracted: 01/06/2022 10:38
Lab File ID:(1) 272022_1_6.0005.D	Lab File ID:(2) 272022_1_6.0005.D
Date Analyzed:(1) 01/06/2022 12:09	Date Analyzed:(2) 01/06/2022 12:09
Instrument ID:(1) 2739	Instrument ID:(2) 2739
GC Column:(1) RTX200 ID:	GC Column:(2) SP1000 ID:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 410-212303/2-A	01/06/2022 12:28	01/06/2022 12:28
Low Range VOC PT Lot# 122121	410-68062-1	01/06/2022 17:10	01/06/2022 17:10

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
 SDG No.: _____
 Sample No.: ICRT 410-202429/5 Date Analyzed: 12/07/2021 14:24
 Instrument ID: 2739 GC Column: RTX200 ID: _____
 Lab File ID (Standard): 272021_12_7.0012.D Heated Purge: (Y/N) N
 Calibration ID: 33720

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				Acetone		
				RT #		
INITIAL CALIBRATION SURROGATE				0.96		
UPPER LIMIT				0.99		
LOWER LIMIT				0.93		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 410-202429/5		12/07/2021 14:24	272021_12_7.001 2.D	0.96		
ICV 410-202429/10		12/07/2021 15:58	272021_12_7.001 7.D	0.96		

Acetone = Acetone

Acetone RT Limit = $\pm$ 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
 SDG No.: _____
 Sample No.: ICRT 410-202429/5 Date Analyzed: 12/07/2021 14:24
 Instrument ID: 2739 GC Column: SP1000 ID: _____
 Lab File ID (Standard): 272021_12_7.0012.D Heated Purge: (Y/N) N
 Calibration ID: 33721

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				Acetone		
				RT #		
INITIAL CALIBRATION SURROGATE				2.58		
UPPER LIMIT				2.61		
LOWER LIMIT				2.55		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 410-202429/5		12/07/2021 14:24	272021_12_7.001 2.D	2.58		
ICV 410-202429/10		12/07/2021 15:58	272021_12_7.001 7.D	2.58		

Acetone = Acetone

Acetone RT Limit = $\pm$ 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
 SDG No.: _____
 Sample No.: CCVRT 410-212308/4 Date Analyzed: 01/06/2022 11:50
 Instrument ID: 2739 GC Column: RTX200 ID: _____
 Lab File ID (Standard): 272022_1_6.0004.D Heated Purge: (Y/N) N
 Calibration ID: 33720

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				Acetone		
				RT #		
CONTINUING CALIBRATION SURROGATE				0.95		
UPPER LIMIT				0.98		
LOWER LIMIT				0.92		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 410-212308/4		01/06/2022 11:50	272022_1_6.0004.D	0.95		
MB 410-212303/1-A		01/06/2022 12:09	272022_1_6.0005.D	0.95		
LCS 410-212303/2-A		01/06/2022 12:28	272022_1_6.0006.D	0.95		
CCV 410-212308/10		01/06/2022 13:44	272022_1_6.0010.D	0.95		
CCV 410-212308/19		01/06/2022 16:33	272022_1_6.0019.D	0.95		
410-68062-1	Low Range VOC PT Lot# 122121	01/06/2022 17:10	272022_1_6.0021.D	0.96		
CCV 410-212308/23		01/06/2022 17:48	272022_1_6.0023.D	0.96		

Acetone = Acetone

Acetone RT Limit = $\pm$ 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII
GC VOA ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
 SDG No.: _____
 Sample No.: CCVRT 410-212308/4 Date Analyzed: 01/06/2022 11:50
 Instrument ID: 2739 GC Column: SP1000 ID: _____
 Lab File ID (Standard): 272022_1_6.0004.D Heated Purge: (Y/N) N
 Calibration ID: 33721

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				Acetone		
				RT #		
CONTINUING CALIBRATION SURROGATE				2.60		
UPPER LIMIT				2.63		
LOWER LIMIT				2.57		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 410-212308/4		01/06/2022 11:50	272022_1_6.0004.D	2.60		
MB 410-212303/1-A		01/06/2022 12:09	272022_1_6.0005.D	2.60		
LCS 410-212303/2-A		01/06/2022 12:28	272022_1_6.0006.D	2.60		
CCV 410-212308/10		01/06/2022 13:44	272022_1_6.0010.D	2.60		
CCV 410-212308/19		01/06/2022 16:33	272022_1_6.0019.D	2.60		
410-68062-1	Low Range VOC PT Lot# 122121	01/06/2022 17:10	272022_1_6.0021.D	2.61		
CCV 410-212308/23		01/06/2022 17:48	272022_1_6.0023.D	2.60		

Acetone = Acetone

Acetone RT Limit = $\pm$ 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1

SDG No.: _____

Client Sample ID: Low Range VOC PT Lot# 122 Lab Sample ID: 410-68062-1

Instrument ID (1): 2739 Instrument ID (2): 2739

Date Analyzed (1): 01/06/2022 17:10 Date Analyzed (2): 01/06/2022 17:10

GC Column (1): RTX200 ID: _____ GC Column (2): SP1000 ID: _____

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Methanol	1		0.34	0.31	0.37	960		2.8
	2		0.72	0.68	0.74	990		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1

SDG No.: _____

Client Sample ID: _____ Lab Sample ID: LCS 410-212303/2-A

Instrument ID (1): 2739 Instrument ID (2): 2739

Date Analyzed (1): 01/06/2022 12:28 Date Analyzed (2): 01/06/2022 12:28

GC Column (1): RTX200 ID: _____ GC Column (2): SP1000 ID: _____

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Methanol	1		0.34	0.31	0.37	2280		20.2
	2		0.71	0.68	0.74	2800		
Ethanol	1		0.44	0.40	0.46	2260		11.0
	2		1.63	1.60	1.66	2520		

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
SDG No.: _____
Client Sample ID: Low Range VOC PT Lot# Lab Sample ID: 410-68062-1
122121
Matrix: Water Lab File ID: 272022_1_6.0021.D
Analysis Method: 8015D Date Collected: 01/06/2022 10:00
Sample wt/vol: 1 (mL) Date Analyzed: 01/06/2022 17:10
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX200 ID: _____
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 212308 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	92		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0021.D
 Lims ID: 410-68062-A-1-C
 Client ID: Low Range VOC PT Lot# 122121
 Sample Type: Client
 Inject. Date: 06-Jan-2022 17:10:00 ALS Bottle#: 0 Worklist Smp#: 21
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: 410-68062-A-1-C
 Misc. Info.: 410-0047889-021
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Jan-2022 06:26:07 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1603

First Level Reviewer: kennedyj

Date: 08-Jan-2022 06:11:42

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

1 Methanol M
 1 0.337 0.337 0.000 2866668 957.9 M
 2 0.720 0.710 0.010 7575000 985.2
 RPD = 2.81
 2 Ethanol Ma
 1 0.467 0.433 0.034 260416 62.3 M
 2 0.000 1.627 0.000 0 0
 RPD = 200.00
 \$ 5 Acetone M
 1 0.957 0.950 0.007 9541145 2313.3 M
 2 2.607 2.603 0.004 28209379 2374.5 M
 RPD = 2.61

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Report Date: 08-Jan-2022 06:26:08

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0021.D

Injection Date: 06-Jan-2022 17:10:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: 410-68062-A-1-C

Lab Sample ID: 410-68062-1

Worklist Smp#:

21

Client ID: Low Range VOC PT Lot# 122121

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

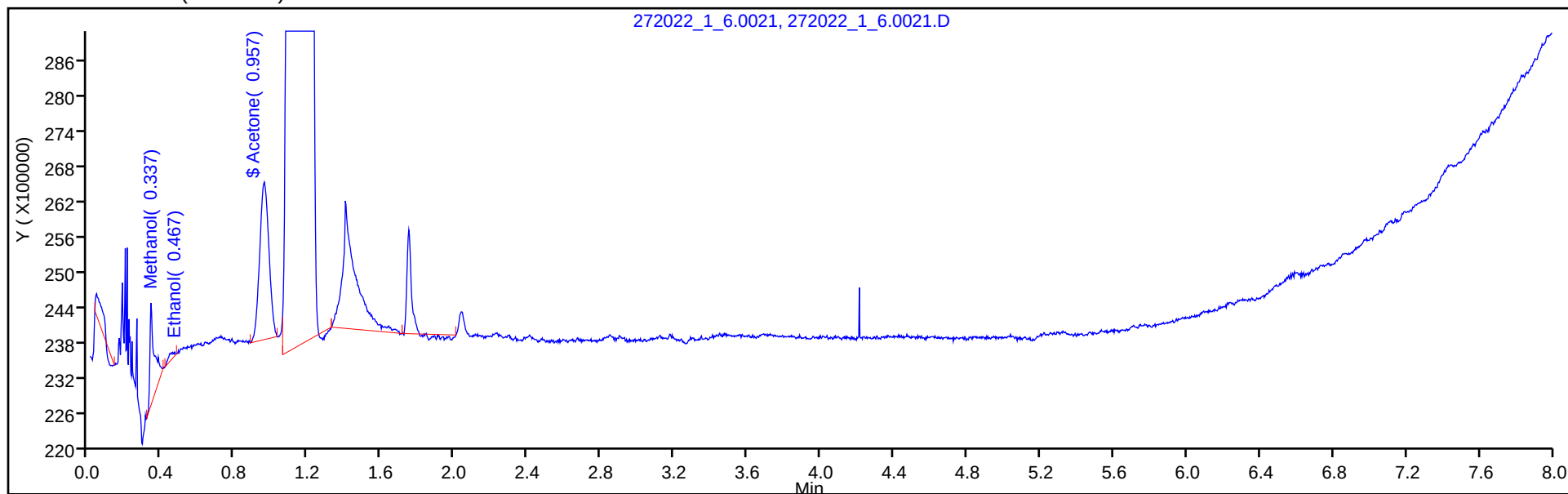
ALS Bottle#:

0

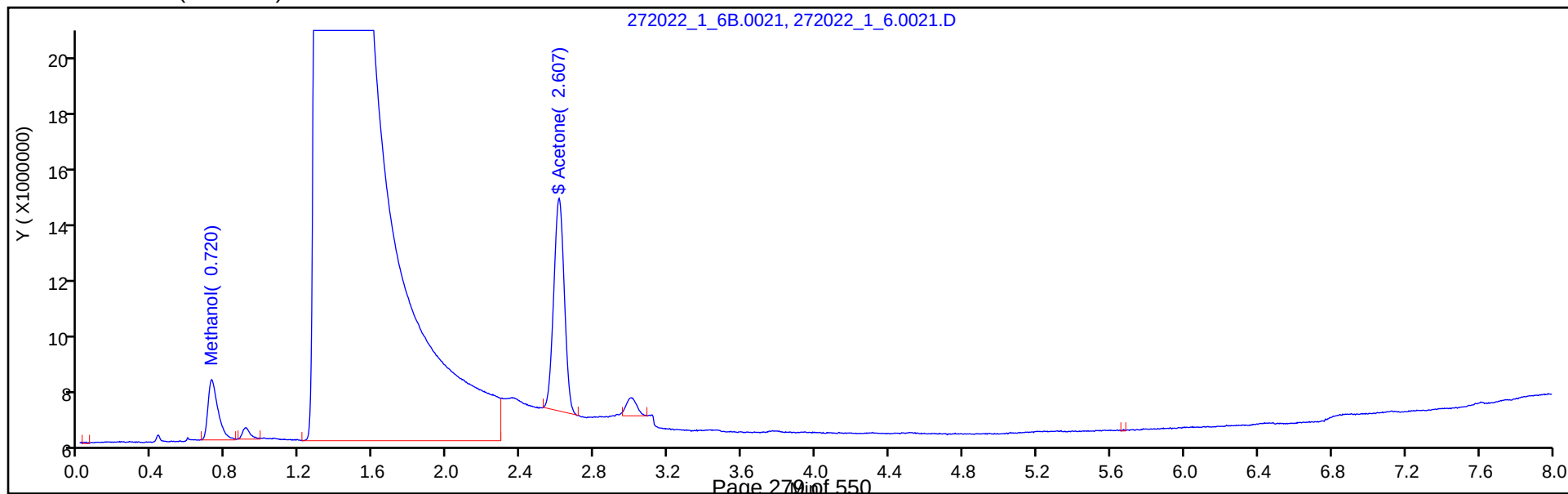
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

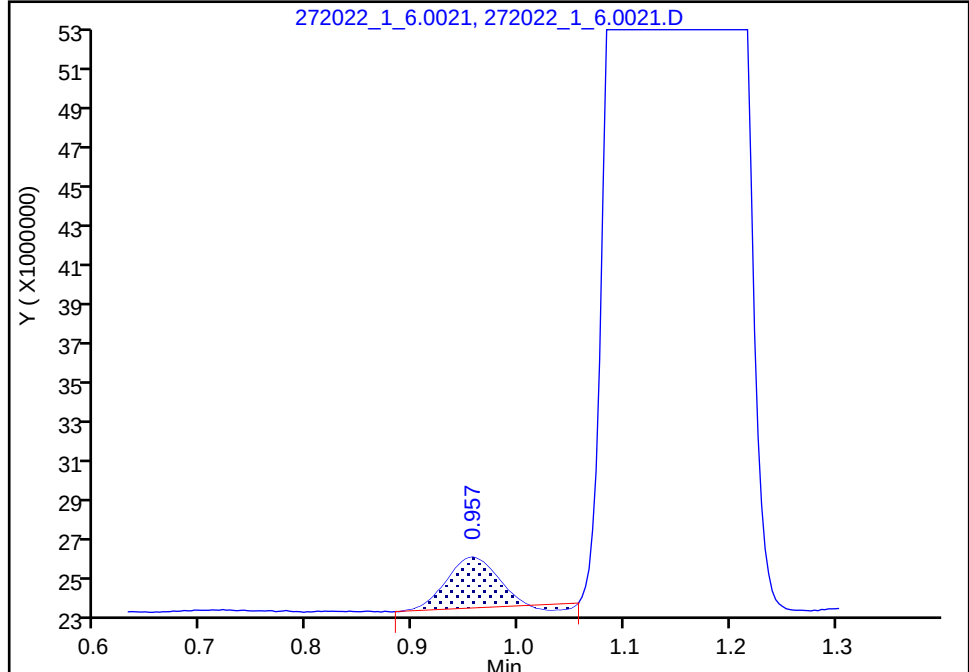
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0021.D
Injection Date: 06-Jan-2022 17:10:00 Instrument ID: 2739
Lims ID: 410-68062-A-1-C Lab Sample ID: 410-68062-1
Client ID: Low Range VOC PT Lot# 122121
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

\$ 5 Acetone, CAS: 67-64-1

Signal: 1

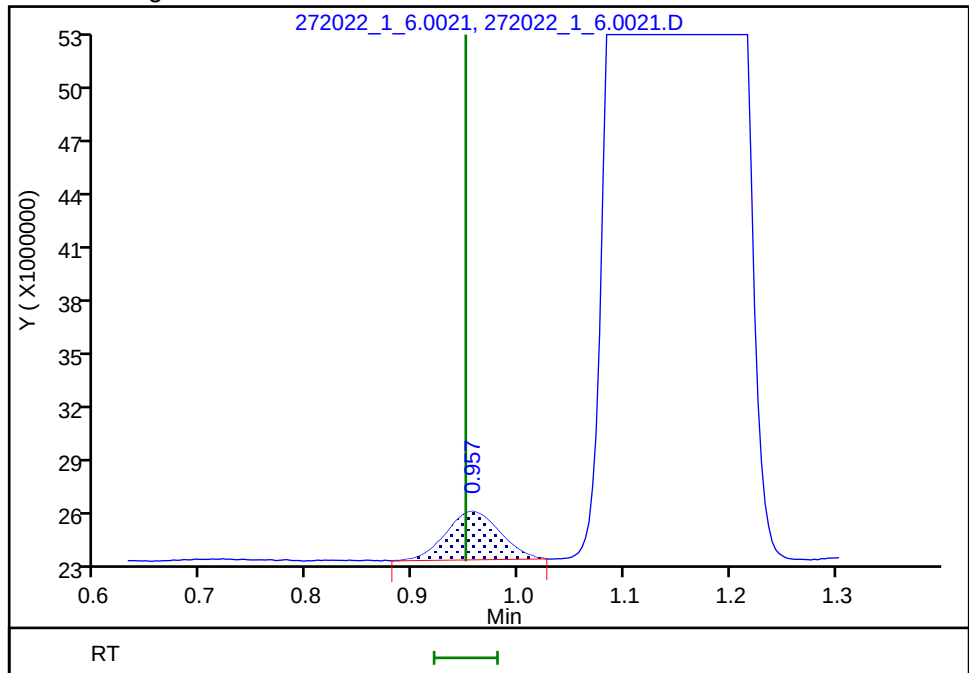
RT: 0.96
Area: 7888541
Amount: 1912.6201
Amount Units: ug/l

Processing Integration Results



RT: 0.96
Area: 9541145
Amount: 2313.3030
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:11:35
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

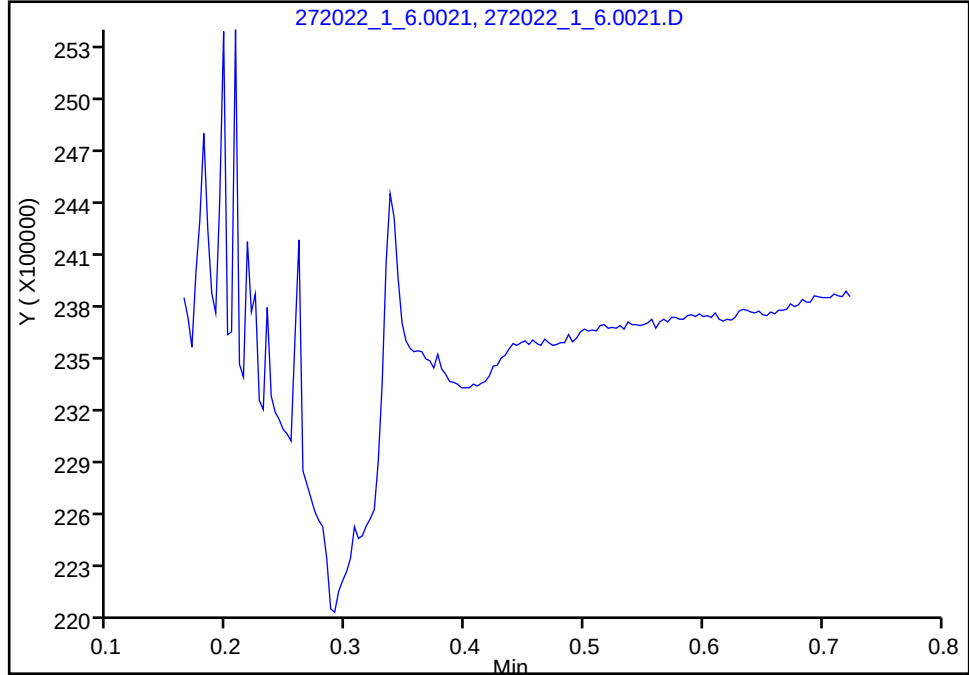
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0021.D
Injection Date: 06-Jan-2022 17:10:00 Instrument ID: 2739
Lims ID: 410-68062-A-1-C Lab Sample ID: 410-68062-1
Client ID: Low Range VOC PT Lot# 122121
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

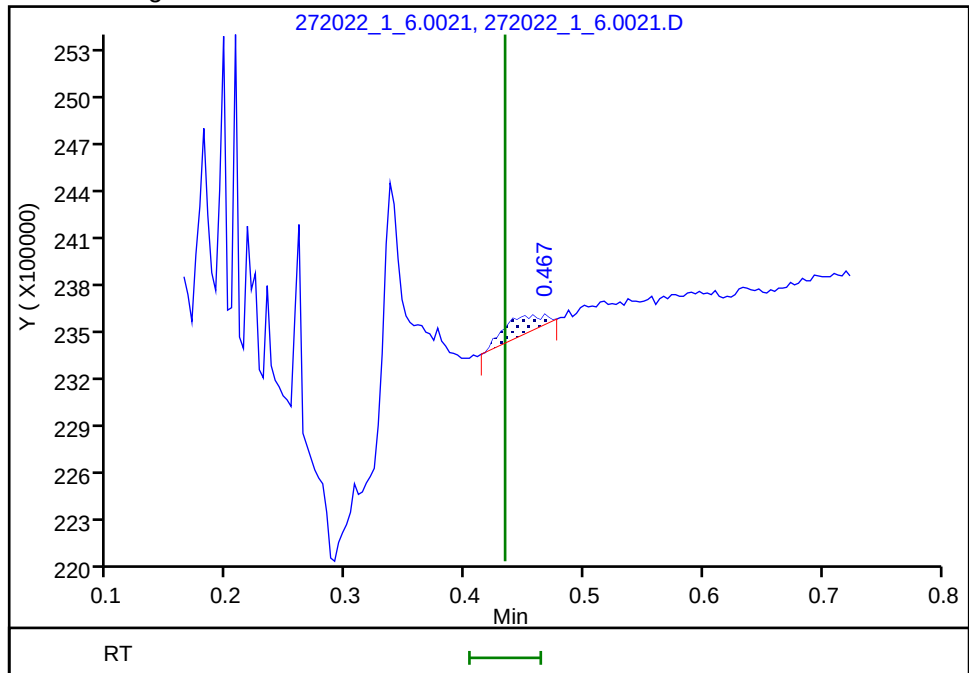
Not Detected
Expected RT: 0.43

Processing Integration Results



RT: 0.47
Area: 260416
Amount: 62.338367
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:10:55

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

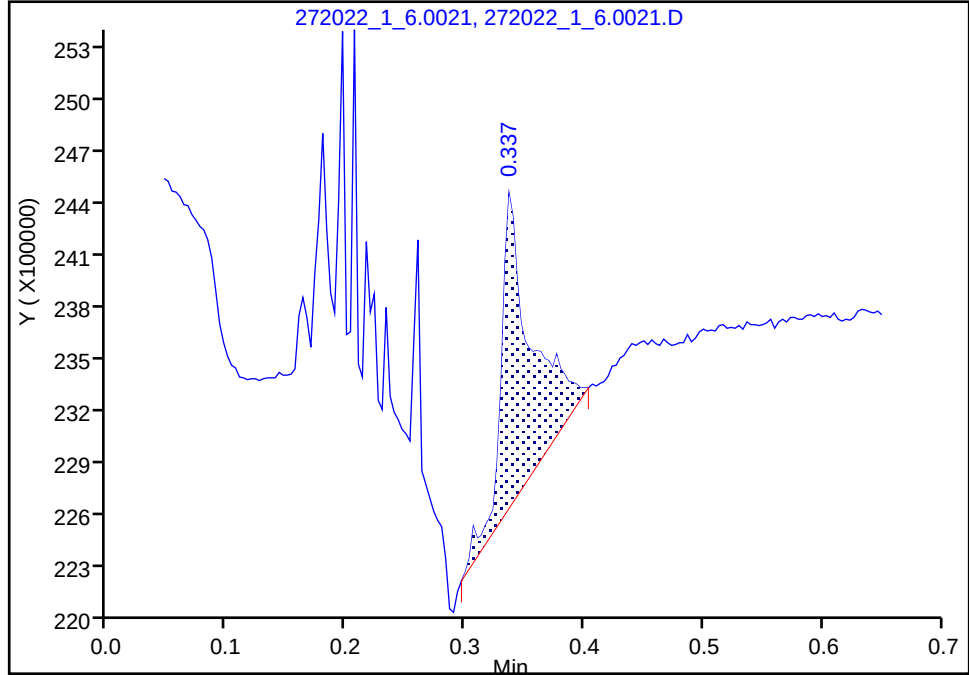
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0021.D
Injection Date: 06-Jan-2022 17:10:00 Instrument ID: 2739
Lims ID: 410-68062-A-1-C Lab Sample ID: 410-68062-1
Client ID: Low Range VOC PT Lot# 122121
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

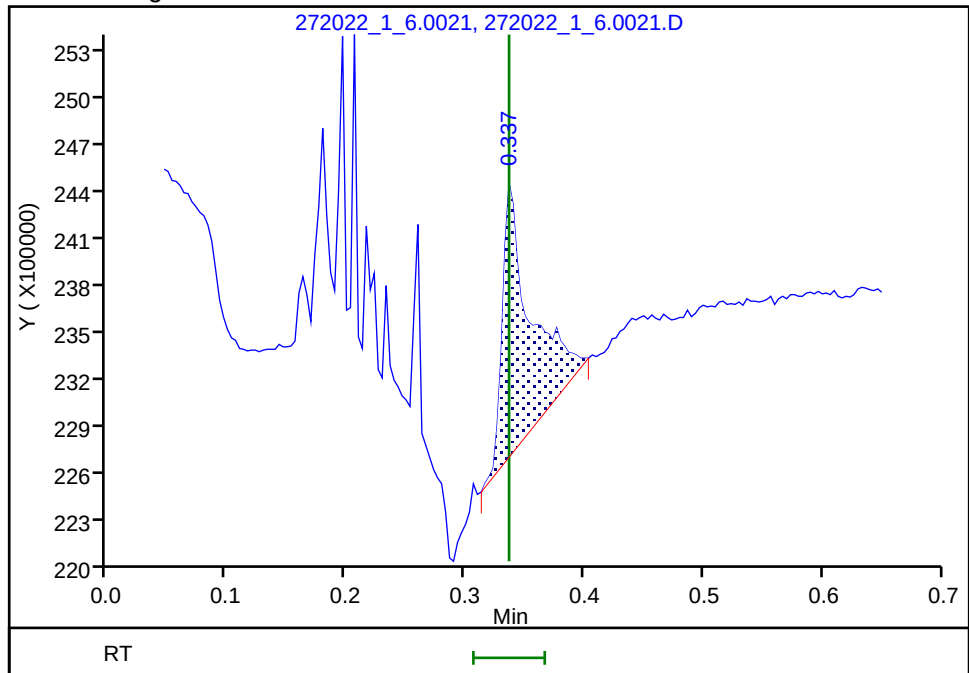
RT: 0.34
Area: 3186457
Amount: 1064.7548
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 2866668
Amount: 957.8973
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:10:50
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
SDG No.: _____
Client Sample ID: Low Range VOC PT Lot# Lab Sample ID: 410-68062-1
122121
Matrix: Water Lab File ID: 272022_1_6.0021.D
Analysis Method: 8015D Date Collected: 01/06/2022 10:00
Sample wt/vol: 1 (mL) Date Analyzed: 01/06/2022 17:10
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: SP1000 ID: _____
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 212308 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
64-17-5	Ethanol	ND		1000	150
67-56-1	Methanol	990	J	1000	220

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	95		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0021.D
 Lims ID: 410-68062-A-1-C
 Client ID: Low Range VOC PT Lot# 122121
 Sample Type: Client
 Inject. Date: 06-Jan-2022 17:10:00 ALS Bottle#: 0 Worklist Smp#: 21
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: 410-68062-A-1-C
 Misc. Info.: 410-0047889-021
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Jan-2022 06:26:07 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1603

First Level Reviewer: kennedyj

Date: 08-Jan-2022 06:11:42

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags

1 Methanol M
 1 0.337 0.337 0.000 2866668 957.9 M
 2 0.720 0.710 0.010 7575000 985.2
 RPD = 2.81
 2 Ethanol Ma
 1 0.467 0.433 0.034 260416 62.3 M
 2 0.000 1.627 0.000 0 0
 RPD = 200.00
 \$ 5 Acetone M
 1 0.957 0.950 0.007 9541145 2313.3 M
 2 2.607 2.603 0.004 28209379 2374.5 M
 RPD = 2.61

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Report Date: 08-Jan-2022 06:26:08

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0021.D

Injection Date: 06-Jan-2022 17:10:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: 410-68062-A-1-C

Lab Sample ID: 410-68062-1

Worklist Smp#:

21

Client ID: Low Range VOC PT Lot# 122121

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

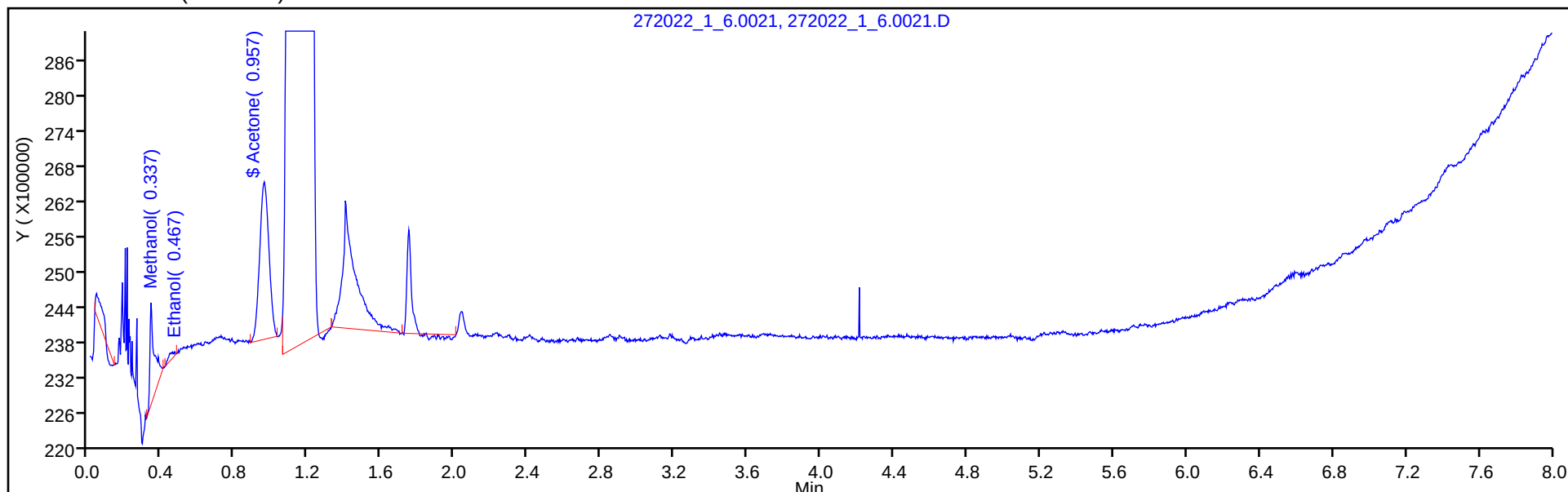
ALS Bottle#:

0

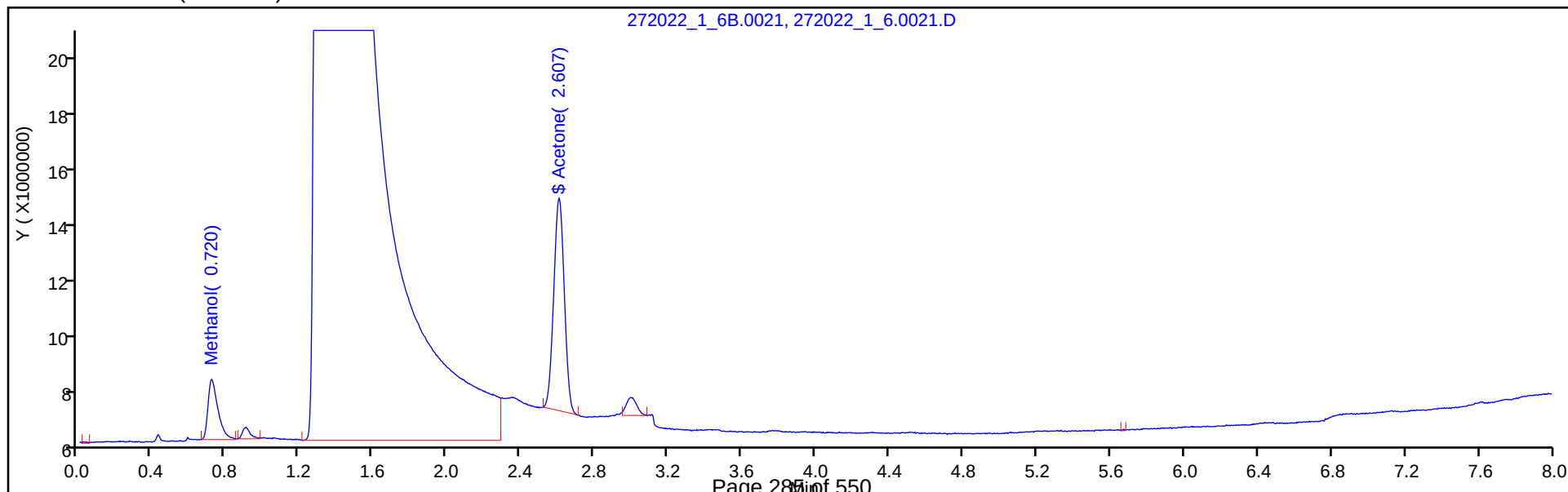
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

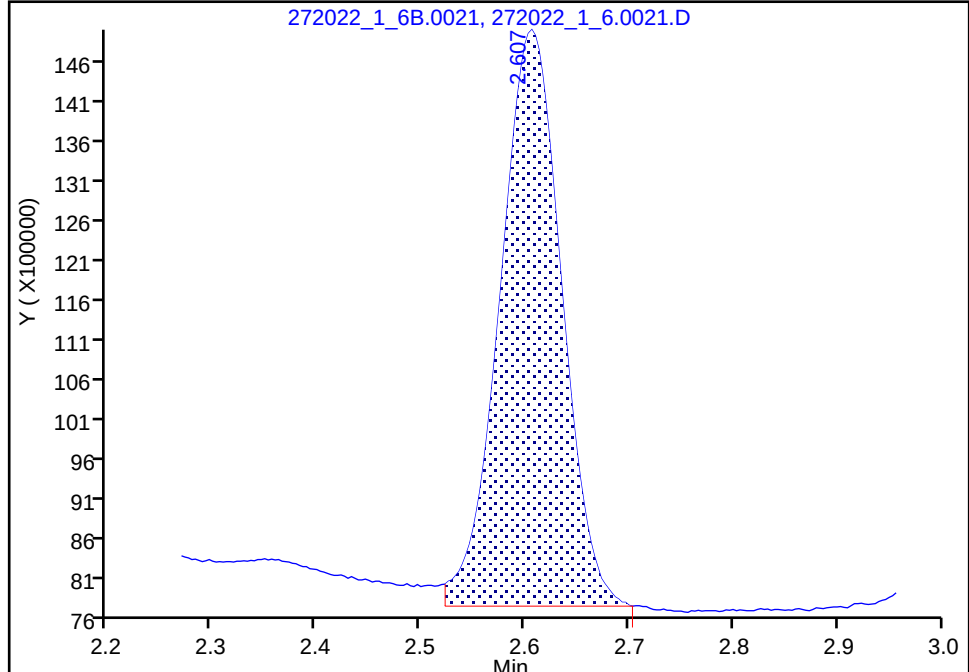
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0021.D
Injection Date: 06-Jan-2022 17:10:00 Instrument ID: 2739
Lims ID: 410-68062-A-1-C Lab Sample ID: 410-68062-1
Client ID: Low Range VOC PT Lot# 122121
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

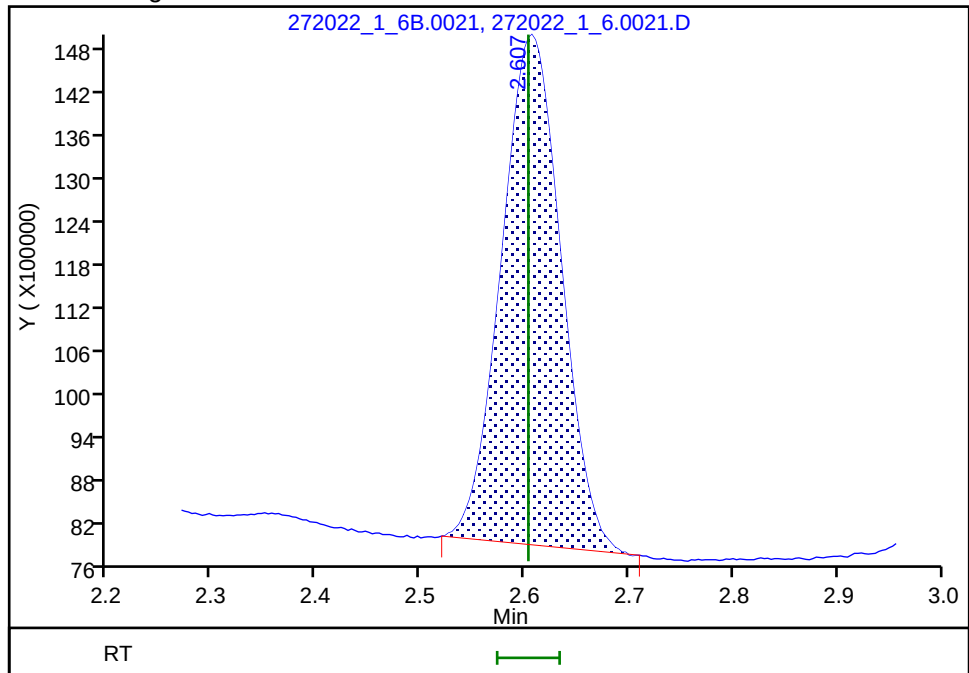
RT: 2.61
Area: 29754167
Amount: 2504.4910
Amount Units: ug/l

Processing Integration Results



RT: 2.61
Area: 28209379
Amount: 2374.4619
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:11:31

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 202429

SDG No.: _____

Instrument ID: 2739 GC Column: RTX200 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2021 13:47 Calibration End Date: 12/07/2021 15:02 Calibration ID: 33720

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-202429/3	272021_12_7.0010.D
Level 2	IC 410-202429/4	272021_12_7.0011.D
Level 3	ICRT 410-202429/5	272021_12_7.0012.D
Level 4	IC 410-202429/6	272021_12_7.0013.D
Level 5	IC 410-202429/7	272021_12_7.0014.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Methanol	0.337	0.337	0.337	0.337	0.337						0.307 - 0.367	0.337
Ethanol	0.437	0.433	0.437	0.437	0.437						0.407 - 0.467	0.436
Isopropanol	0.537	0.537	0.537	0.537	0.540						0.507 - 0.567	0.538
1-Propanol	0.720	0.720	0.723	0.723	0.723						0.693 - 0.753	0.722
Isobutanol	1.107	1.107	1.107	1.107	1.107						1.077 - 1.137	1.107
1-Butanol	1.380	1.377	1.377	1.380	1.380						1.347 - 1.407	1.379
Acetone	0.957	0.953	0.957	0.957	0.957						0.927 - 0.987	0.956

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 202429

SDG No.: _____

Instrument ID: 2739 GC Column: RTX200 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2021 13:47 Calibration End Date: 12/07/2021 15:02 Calibration ID: 33720

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-202429/3	272021_12_7.0010.D
Level 2	IC 410-202429/4	272021_12_7.0011.D
Level 3	ICRT 410-202429/5	272021_12_7.0012.D
Level 4	IC 410-202429/6	272021_12_7.0013.D
Level 5	IC 410-202429/7	272021_12_7.0014.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Methanol	3195.7 2945.5	2821.7	3031.7	2968.7	Ave		2992.6674 8				4.6		20.0			
Ethanol	4675.7 4036.0	3969.5	4189.7	4016.4	Ave		4177.4594 4				7.0		20.0			
Isopropanol	4149.0 4335.3	4191.6	4371.7	4278.0	Ave		4265.1158 6				2.2		20.0			
1-Propanol	8472.8 5699.8	6503.3	6150.3	5876.9	Ave		6540.6241 4				17.2		20.0			
Isobutanol	7245.8 6136.2	6131.2	6335.3	6166.1	Ave		6402.8946 0				7.5		20.0			
1-Butanol	4376.5 5988.7	4989.1	5585.7	5840.7	Ave		5356.1447 4				12.5		20.0			
Acetone	4300.4 3989.1	4245.9	4106.7	3980.3	Ave		4124.4683 1				3.5		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 202429

SDG No.: _____

Instrument ID: 2739 GC Column: RTX200 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2021 13:47 Calibration End Date: 12/07/2021 15:02 Calibration ID: 33720

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-202429/3	272021_12_7.0010.D
Level 2	IC 410-202429/4	272021_12_7.0011.D
Level 3	ICRT 410-202429/5	272021_12_7.0012.D
Level 4	IC 410-202429/6	272021_12_7.0013.D
Level 5	IC 410-202429/7	272021_12_7.0014.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Methanol	Ave	3204687	7073960	15201041	29769794	59075523	1003	2507	5014	10028	20056
Ethanol	Ave	4677605	9927603	20956771	40180213	80752608	1000	2501	5002	10004	20008
Isopropanol	Ave	4157292	10500001	21902082	42865110	86880213	1002	2505	5010	10020	20040
1-Propanol	Ave	8590627	16484377	31179172	59585829	115581250	1014	2535	5070	10139	20278
Isobutanol	Ave	7454688	15769796	32589580	63438546	126261465	1029	2572	5144	10288	20577
1-Butanol	Ave	4524482	12894274	28872395	60381773	123823963	1034	2585	5169	10338	20676
Acetone	Ave	4307290	10631771	20566147	39866668	79908854	1002	2504	5008	10016	20032

Curve Type Legend

Ave = Average

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0010.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 07-Dec-2021 13:47:00 ALS Bottle#: 0 Worklist Smp#: 3
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045751-003
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Dec-2021 08:28:24 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 08-Dec-2021 06:07:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol

1	0.337	0.337	0.000	3204687	1002.8	1070.8	
2	0.717	0.710	0.007	7770834	1002.8	1010.7	
RPD = 5.78							

2 Ethanol

1	0.437	0.437	0.000	4677605	1000.4	1119.7	M
2	1.630	1.620	0.010	11092191	1000.4	991.0	M
RPD = 12.19							

3 Isopropyl alcohol

1	0.537	0.537	0.000	4157292	1002.0	974.7	M
2	2.897	2.890	0.007	11812503	1002.0	984.4	M
RPD = 0.99							

4 Propanol

1	0.720	0.723	-0.003	8590627	1013.9	1313.4	M
2	3.437	3.433	0.004	14225525	1013.9	1002.1	M
RPD = 26.89							

\$ 5 Acetone

1	0.957	0.957	0.000	4307290	1001.6	1044.3	M
2	2.590	2.583	0.007	12063017	1001.6	1015.4	M
RPD = 2.81							

6 Isobutyl alcohol

1	1.107	1.107	0.000	7454688	1028.8	1164.3	M

7 n-Butanol

1	1.380	1.377	0.003	4524482	1033.8	844.7	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME1_00010

Amount Added: 1.00

Units: mL

Report Date: 08-Dec-2021 08:28:24

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0010.D

Injection Date: 07-Dec-2021 13:47:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 3

Client ID:

Purge Vol: 1.000 uL

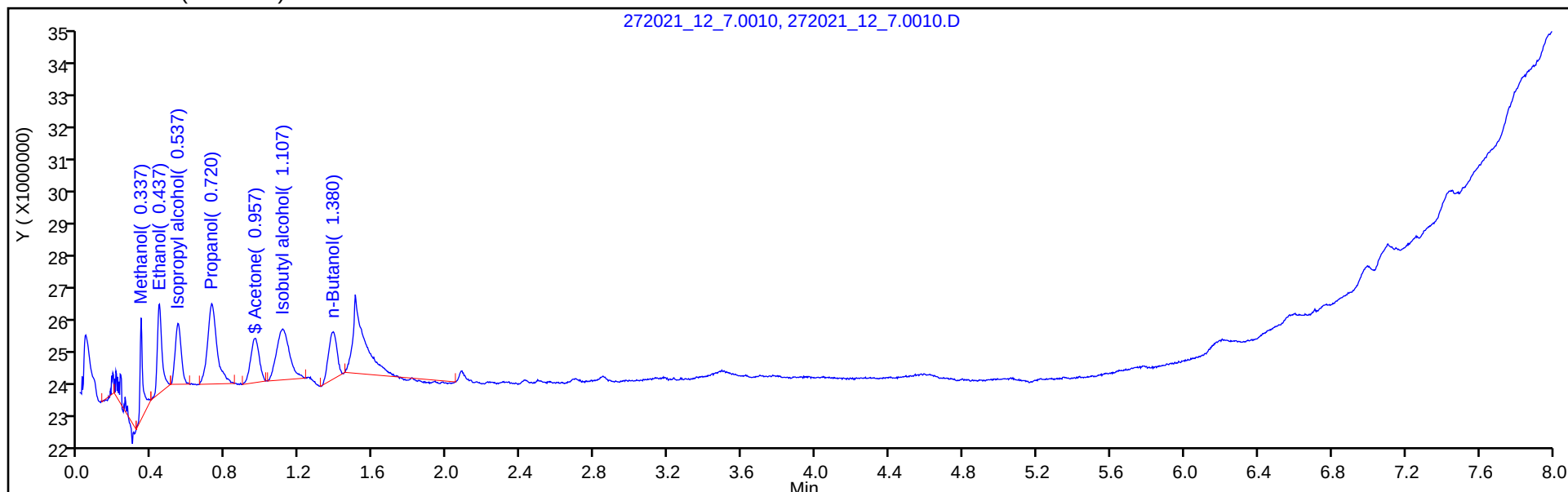
Dil. Factor: 1.0000

ALS Bottle#: 0

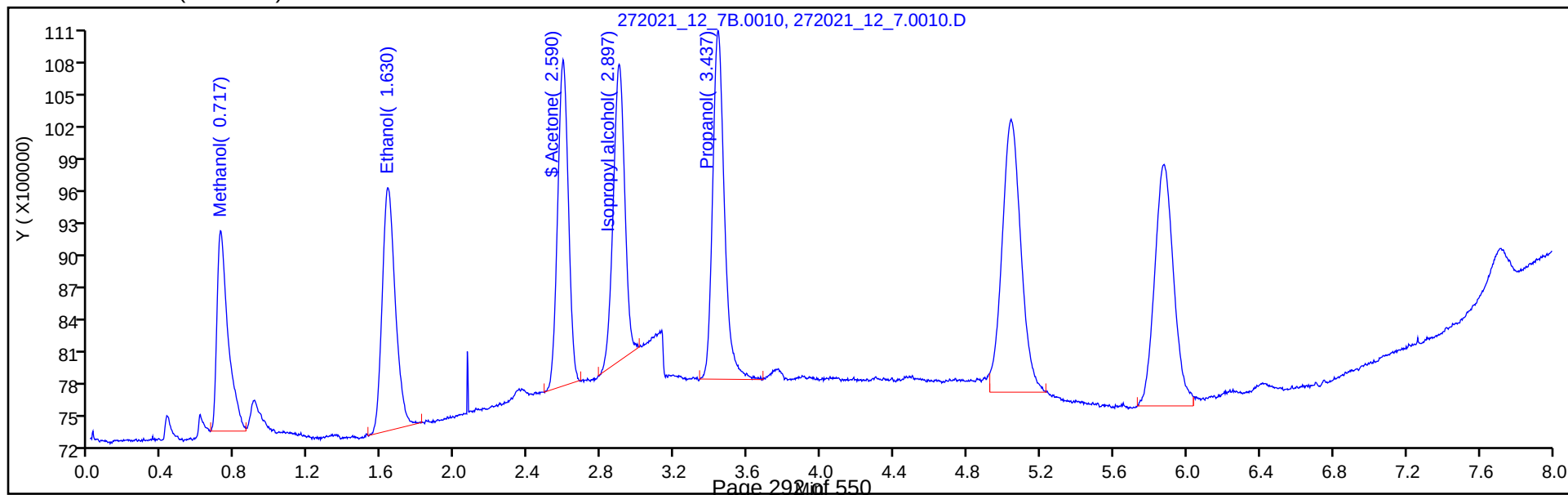
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

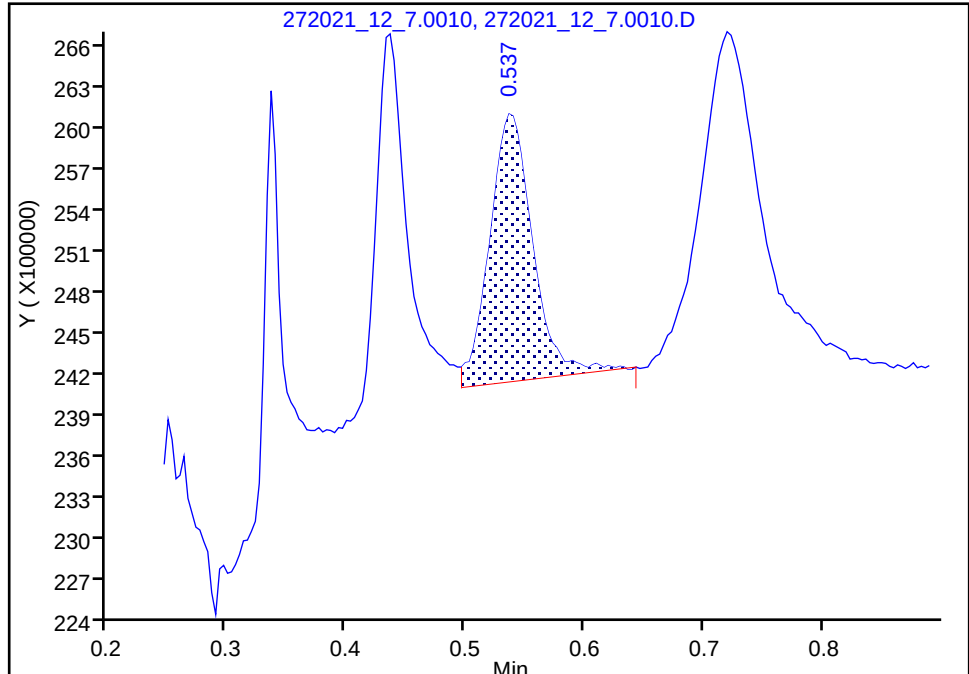
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0010.D
Injection Date: 07-Dec-2021 13:47:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

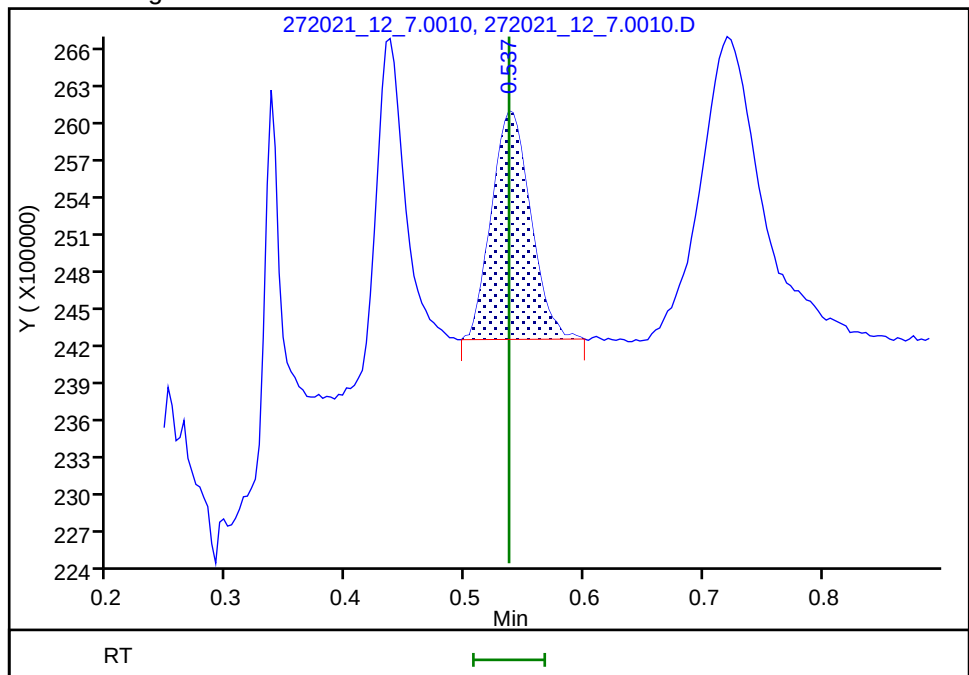
RT: 0.54
Area: 4845797
Amount: 1024.1343
Amount Units: ug/l

Processing Integration Results



RT: 0.54
Area: 4157292
Amount: 974.7196
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:06:46
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 293 of 550

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0010.D

Injection Date: 07-Dec-2021 13:47:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 3

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

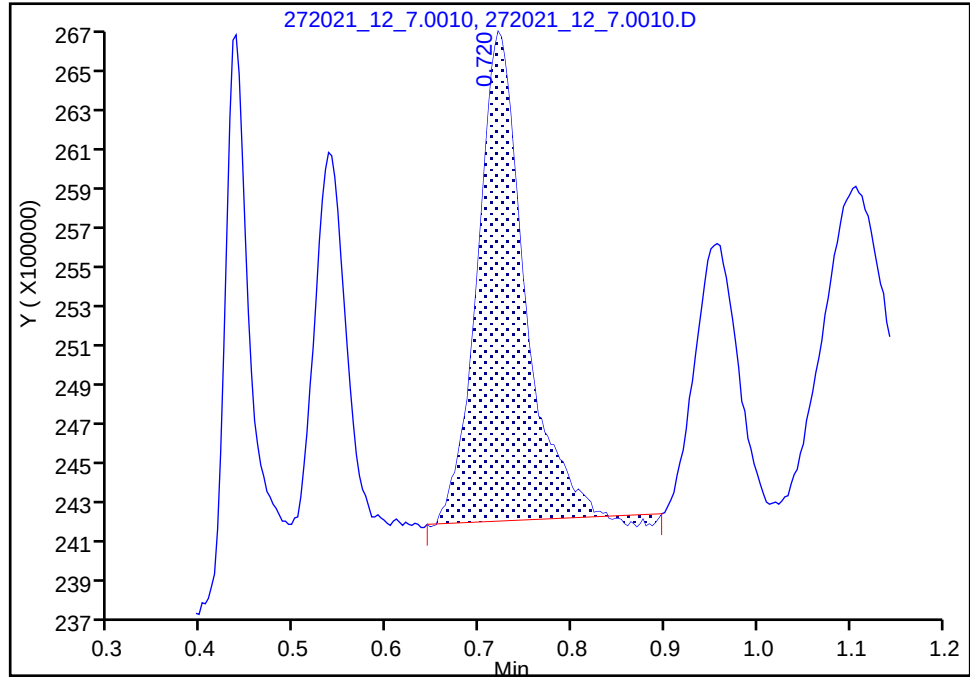
Detector: OFIDA

4 Propanol, CAS: 71-23-8

Signal: 1

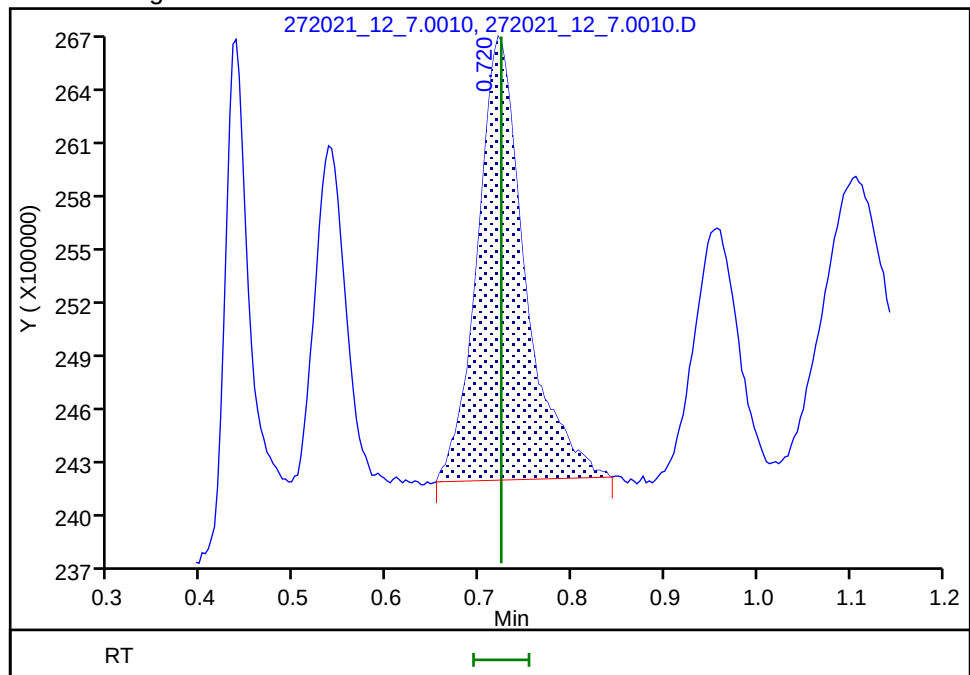
RT: 0.72
Area: 8382291
Amount: 1208.1560
Amount Units: ug/l

Processing Integration Results



RT: 0.72
Area: 8590627
Amount: 1313.4262
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:06:28

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0010.D

Injection Date: 07-Dec-2021 13:47:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 3

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

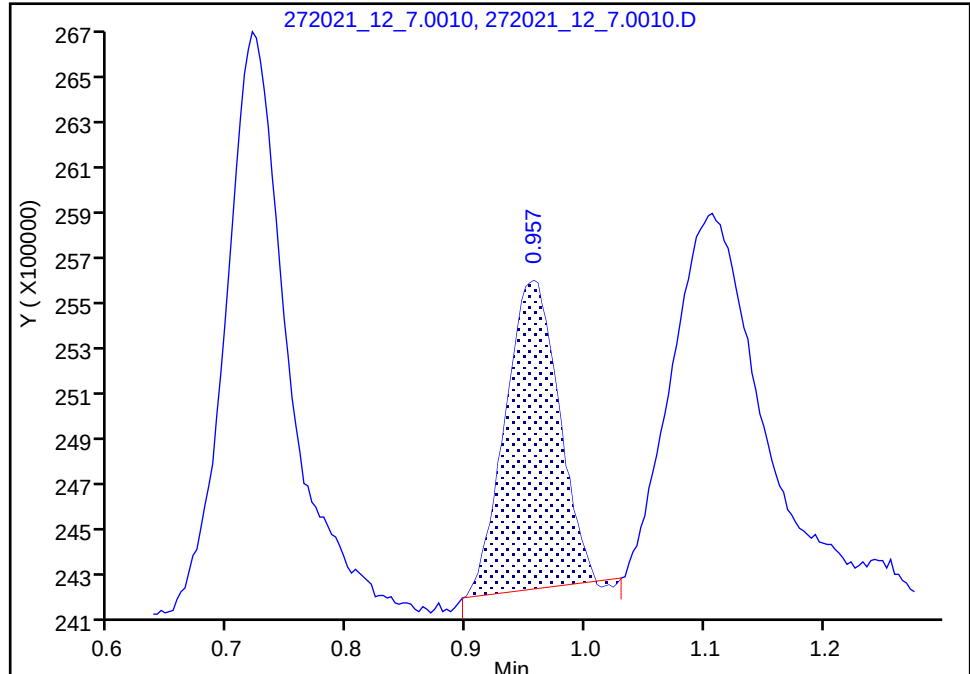
Detector: OFIDA

\$ 5 Acetone, CAS: 67-64-1

Signal: 1

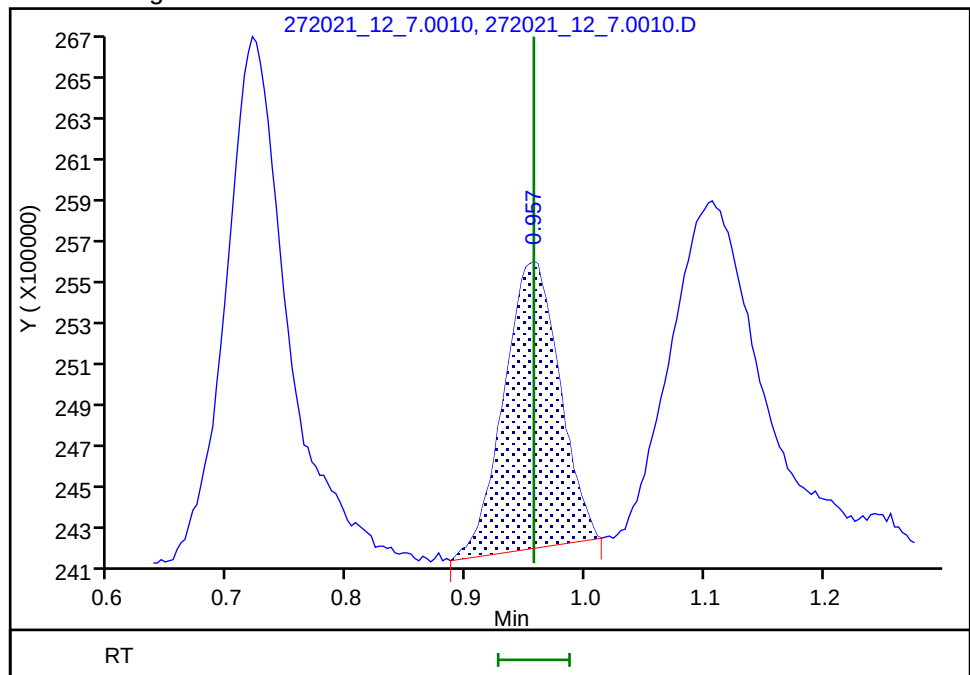
RT: 0.96
Area: 4009374
Amount: 986.3206
Amount Units: ug/l

Processing Integration Results



RT: 0.96
Area: 4307290
Amount: 1044.3261
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:06:31

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

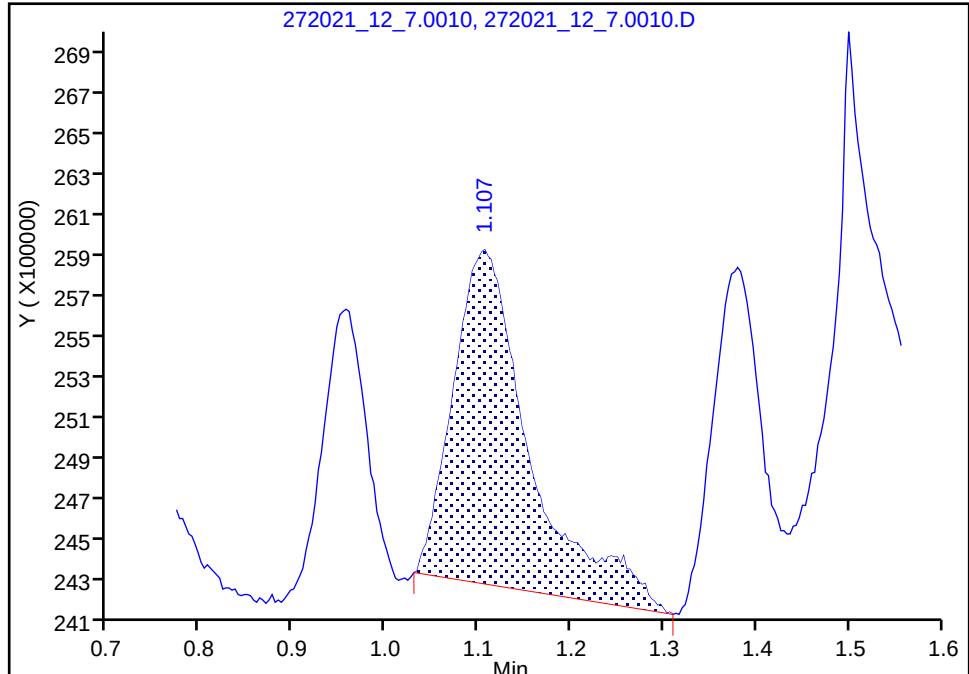
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0010.D
Injection Date: 07-Dec-2021 13:47:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

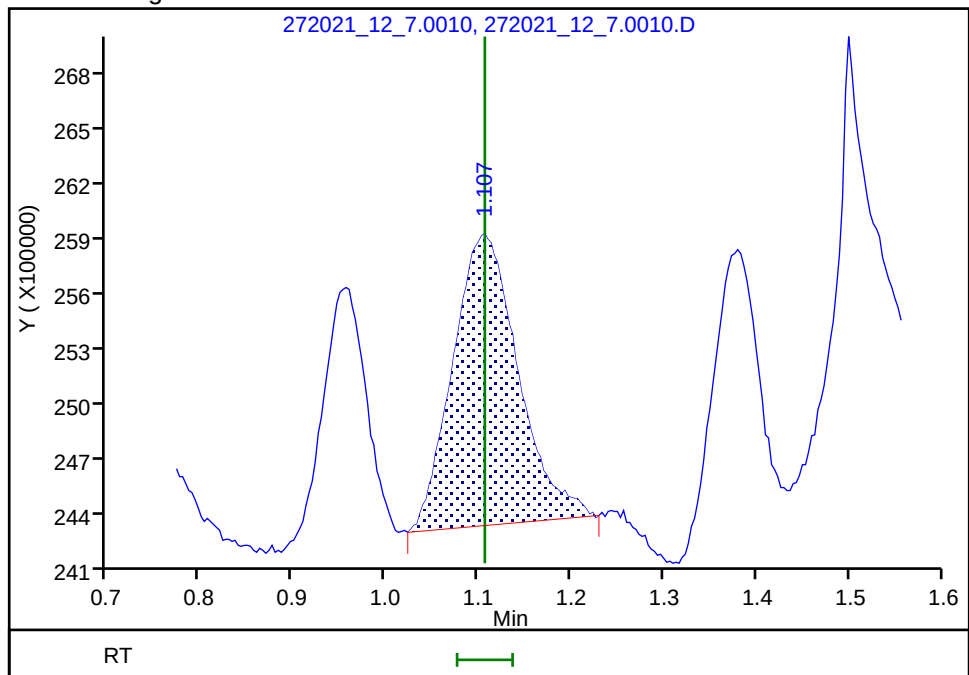
RT: 1.11
Area: 9037503
Amount: 1309.7790
Amount Units: ug/l

Processing Integration Results



RT: 1.11
Area: 7454688
Amount: 1164.2684
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:06:39

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0011.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 07-Dec-2021 14:06:00 ALS Bottle#: 0 Worklist Smp#: 4
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045751-004
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Dec-2021 08:28:25 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 08-Dec-2021 06:08:03

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.337	0.337	0.000	7073960	2507.0	2363.8	M
2	0.720	0.710	0.010	19019281	2507.0	2473.6	
RPD = 4.54							
2 Ethanol							M
1	0.433	0.437	-0.004	9927603	2501.0	2376.5	M
2	1.637	1.620	0.017	27293233	2501.0	2438.6	M
RPD = 2.58							
3 Isopropyl alcohol							M
1	0.537	0.537	0.000	10500001	2505.0	2461.8	M
2	2.900	2.890	0.010	29135938	2505.0	2428.1	M
RPD = 1.38							
4 Propanol							M
1	0.720	0.723	-0.003	16484377	2534.8	2520.3	M
2	3.440	3.433	0.007	34521392	2534.8	2431.8	M
RPD = 3.57							
\$ 5 Acetone							M
1	0.953	0.957	-0.004	10631771	2504.0	2577.7	
2	2.593	2.583	0.010	31380215	2504.0	2641.4	M
RPD = 2.44							
6 Isobutyl alcohol							M
1	1.107	1.107	0.000	15769796	2572.1	2462.9	M
7 n-Butanol							
1	1.377	1.377	0.000	12894274	2584.5	2407.4	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME2_00009

Amount Added: 1.00

Units: mL

Report Date: 08-Dec-2021 08:28:25

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Euofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0011.D

Injection Date: 07-Dec-2021 14:06:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 4

Client ID:

Purge Vol: 1.000 uL

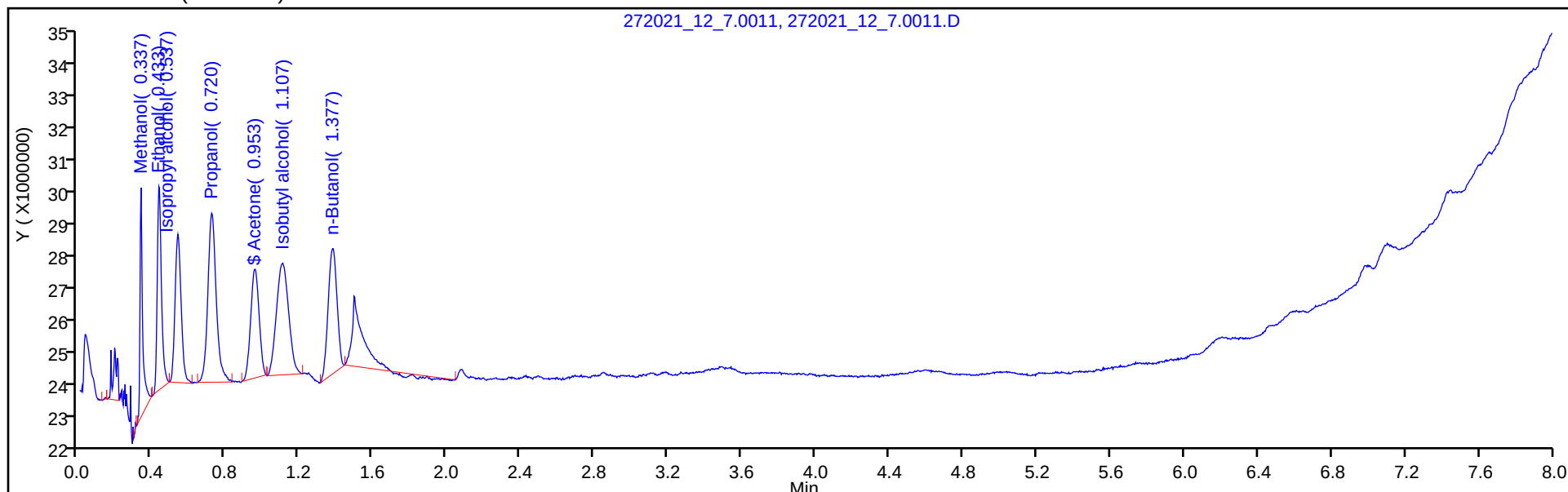
Dil. Factor: 1.0000

ALS Bottle#: 0

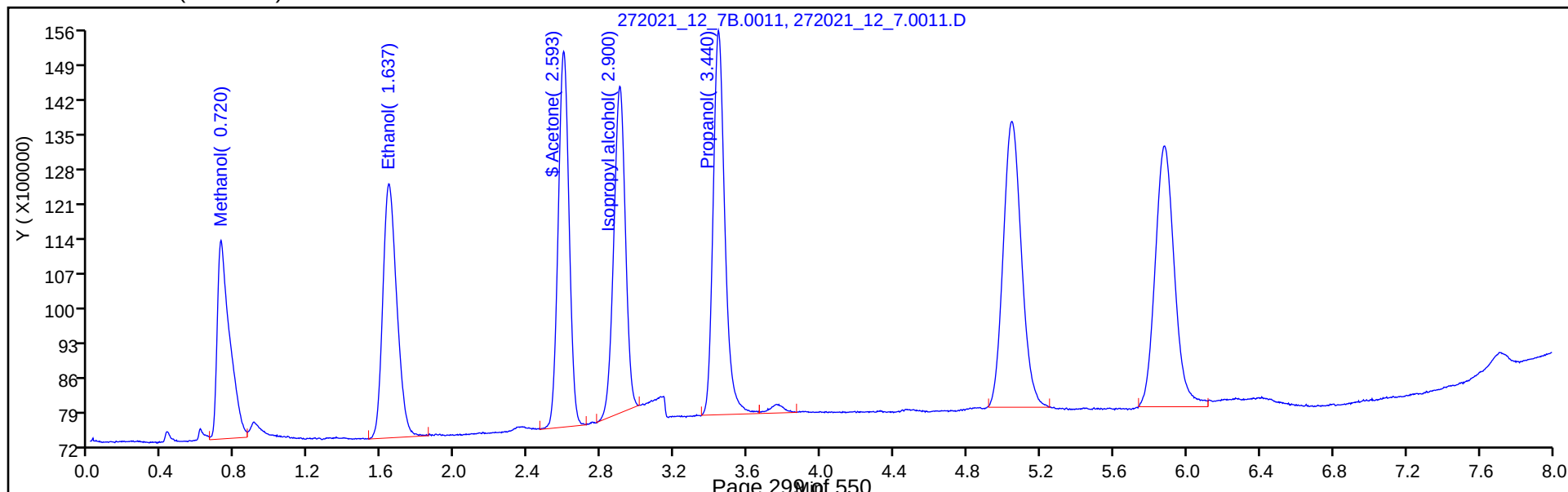
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0011.D

Injection Date: 07-Dec-2021 14:06:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 4

Purge Vol: 1.000 uL

Dil. Factor:

1.0000

Method: 8015_DAI_2739

Limit Group:

GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

Detector

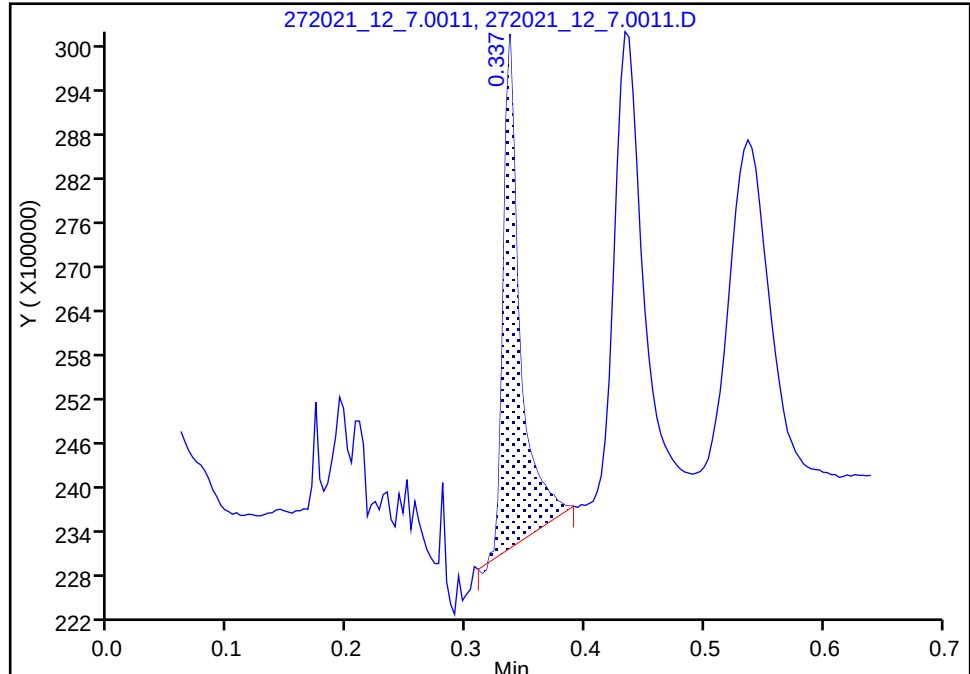
OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

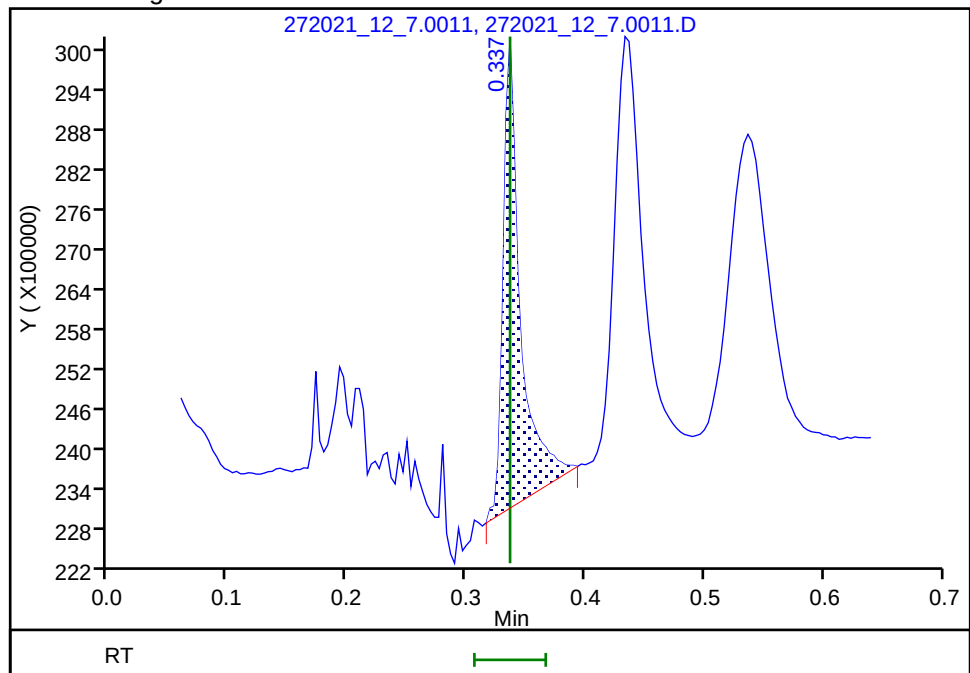
RT: 0.34
Area: 6760417
Amount: 2273.5457
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 7073960
Amount: 2363.7641
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:07:44

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0011.D

Injection Date: 07-Dec-2021 14:06:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 4

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

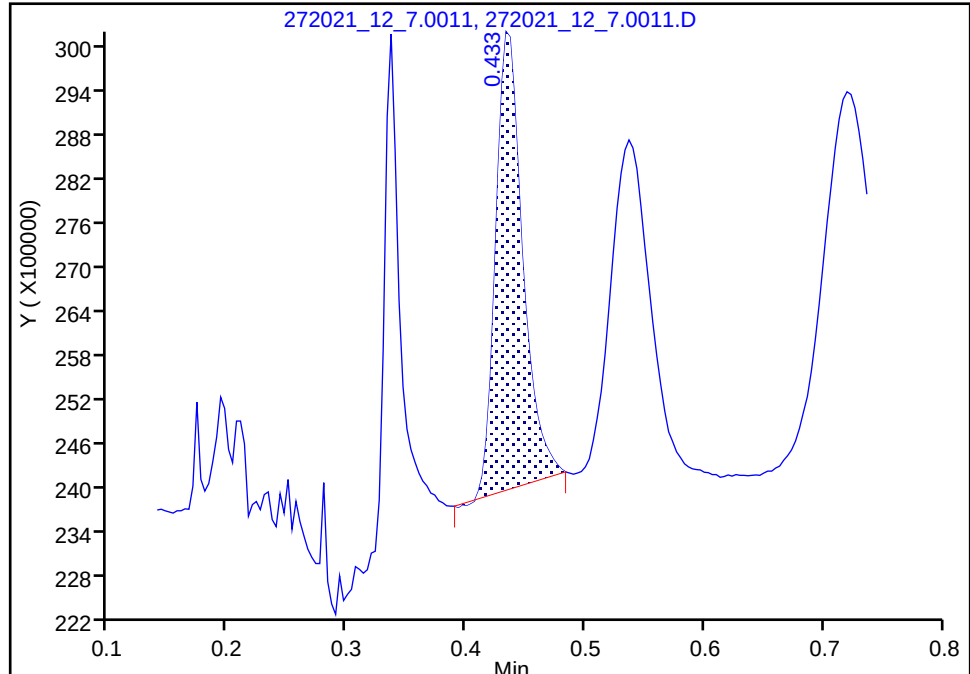
Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

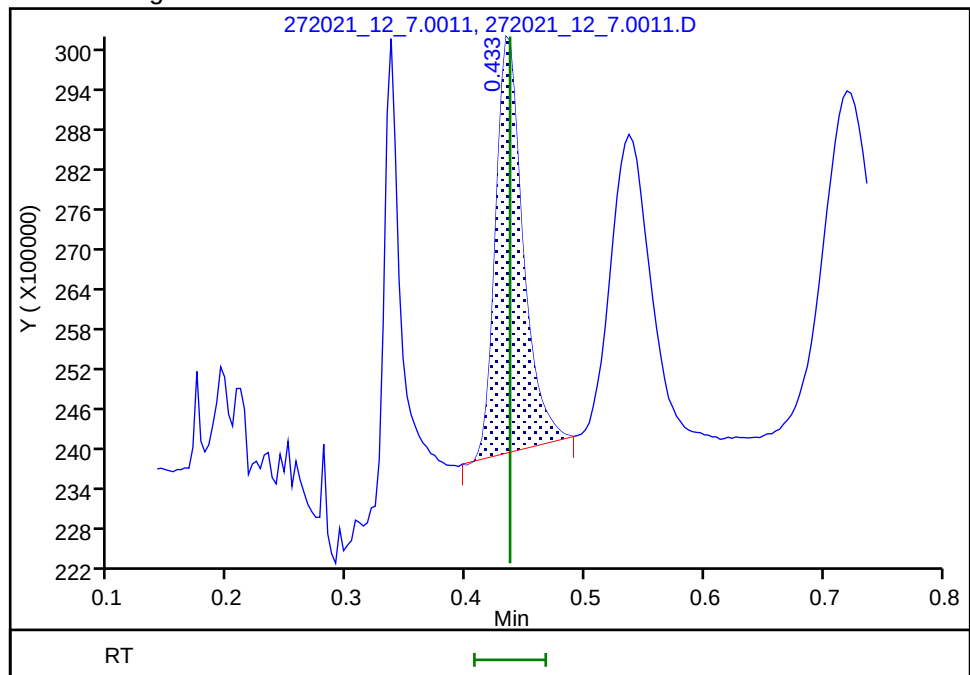
RT: 0.43
Area: 9718230
Amount: 2335.7108
Amount Units: ug/l

Processing Integration Results



RT: 0.43
Area: 9927603
Amount: 2376.4690
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:07:39

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

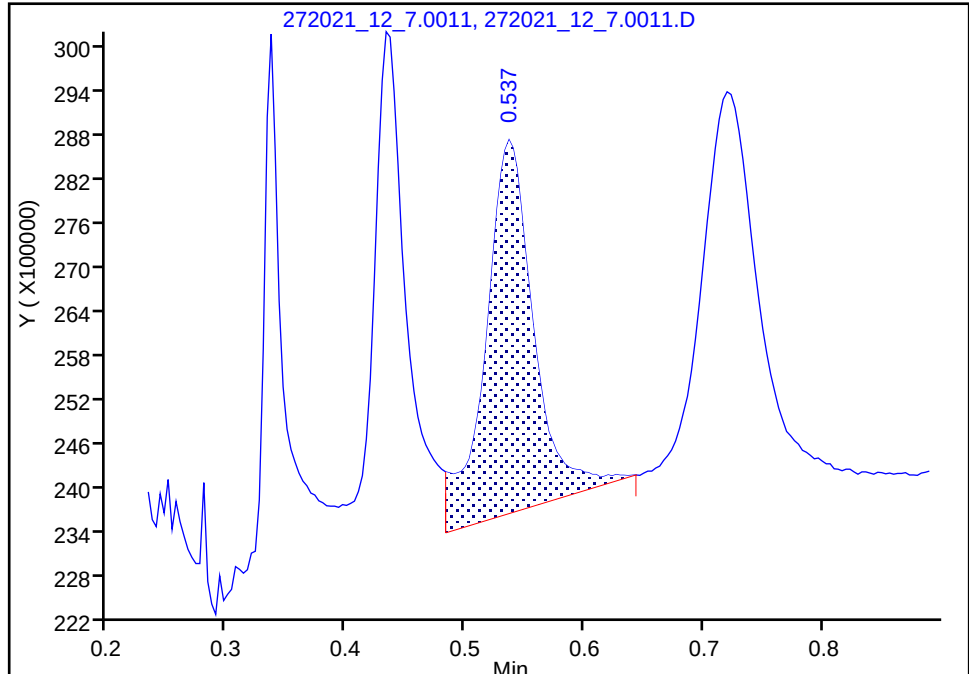
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0011.D
Injection Date: 07-Dec-2021 14:06:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

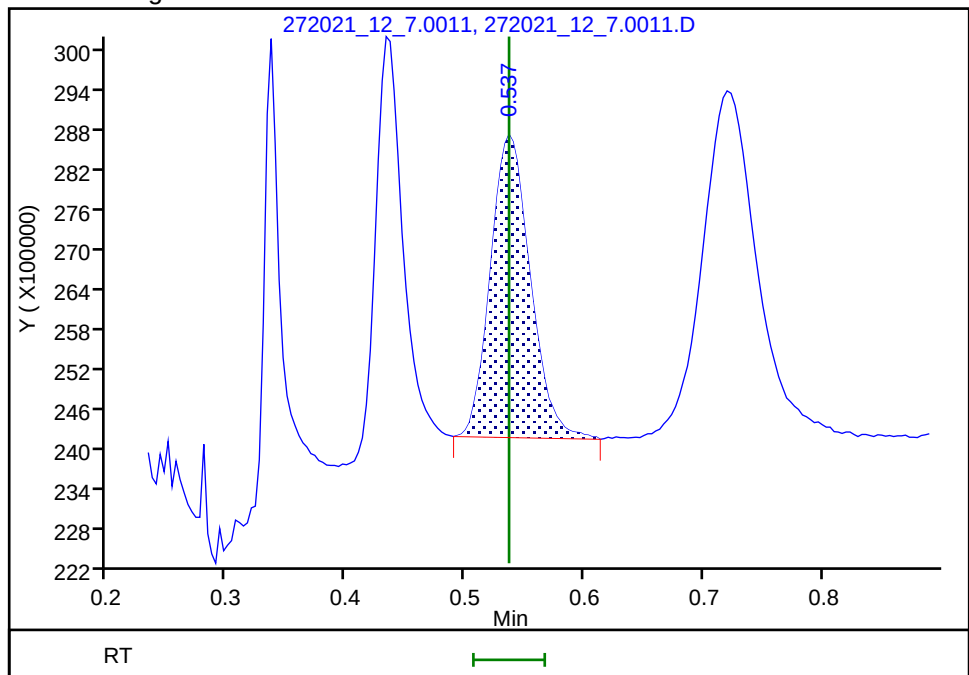
RT: 0.54
Area: 14262824
Amount: 3104.5440
Amount Units: ug/l

Processing Integration Results



RT: 0.54
Area: 10500001
Amount: 2461.8325
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:07:35

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0011.D

Injection Date: 07-Dec-2021 14:06:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 4

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

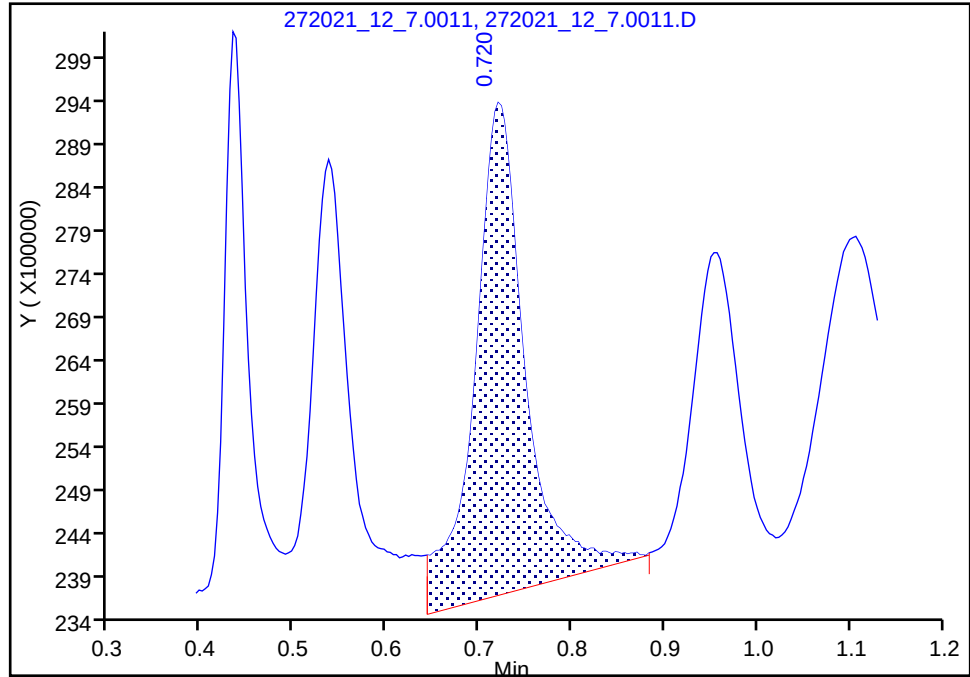
Detector: OFIDA

4 Propanol, CAS: 71-23-8

Signal: 1

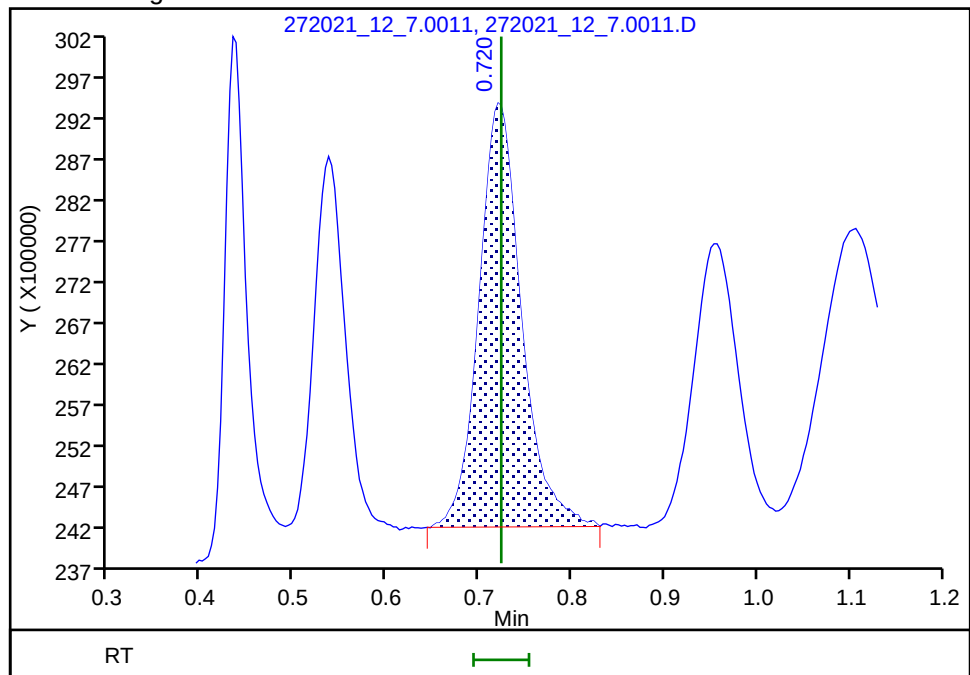
RT: 0.72
Area: 21568684
Amount: 3048.0386
Amount Units: ug/l

Processing Integration Results



RT: 0.72
Area: 16484377
Amount: 2520.3064
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:07:26

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0011.D

Injection Date: 07-Dec-2021 14:06:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 4

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

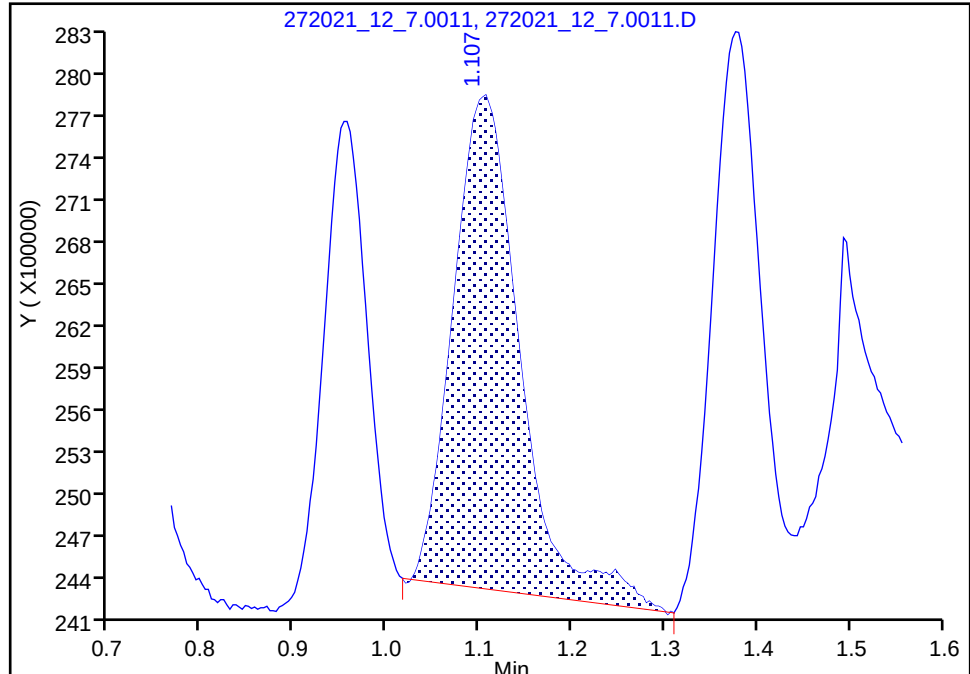
Detector: OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

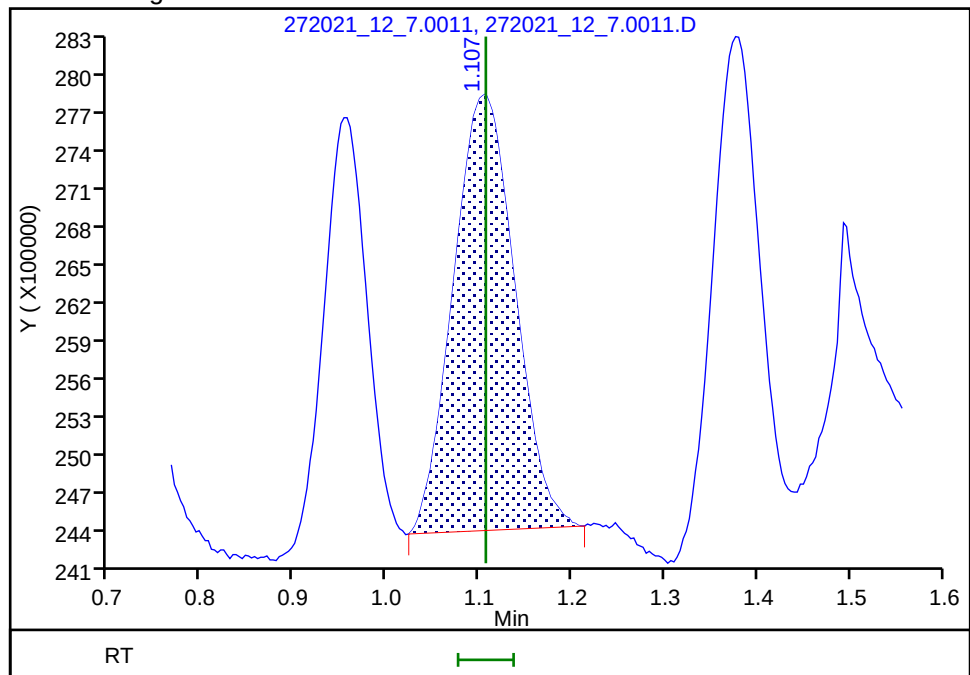
RT: 1.11
Area: 17573441
Amount: 2665.7409
Amount Units: ug/l

Processing Integration Results



RT: 1.11
Area: 15769796
Amount: 2462.9167
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:07:59

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0012.D
 Lims ID: icrt
 Client ID:
 Sample Type: ICRT Calib Level: 3
 Inject. Date: 07-Dec-2021 14:24:00 ALS Bottle#: 0 Worklist Smp#: 5
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: icrt
 Misc. Info.: 410-0045751-005
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Dec-2021 08:28:26 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 08-Dec-2021 06:03:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							M
1	0.337	0.337	0.000	15201041	5014.0	5079.4	M
2	0.710	0.710	0.000	38687506	5014.0	5031.7	
RPD = 0.94							
2 Ethanol							M
1	0.437	0.437	0.000	20956771	5002.0	5016.6	
2	1.620	1.620	0.000	56170835	5002.0	5018.7	M
RPD = 0.04							
3 Isopropyl alcohol							M
1	0.537	0.537	0.000	21902082	5010.0	5135.2	M
2	2.890	2.890	0.000	61052086	5010.0	5087.8	M
RPD = 0.93							
4 Propanol							M
1	0.723	0.723	0.000	31179172	5069.5	4767.0	M
2	3.433	3.433	0.000	72604164	5069.5	5114.6	
RPD = 7.03							
\$ 5 Acetone							M
1	0.957	0.957	0.000	20566147	5008.0	4986.4	
2	2.583	2.583	0.000	58906771	5008.0	4958.3	M
RPD = 0.56							
6 Isobutyl alcohol							M
1	1.107	1.107	0.000	32589580	5144.2	5089.8	M
7 n-Butanol							
1	1.377	1.377	0.000	28872395	5169.0	5390.5	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME3_00028

Amount Added: 1.00

Units: mL

Report Date: 08-Dec-2021 08:28:26

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0012.D

Injection Date: 07-Dec-2021 14:24:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: icrt

Worklist Smp#: 5

Client ID:

Purge Vol: 1.000 uL

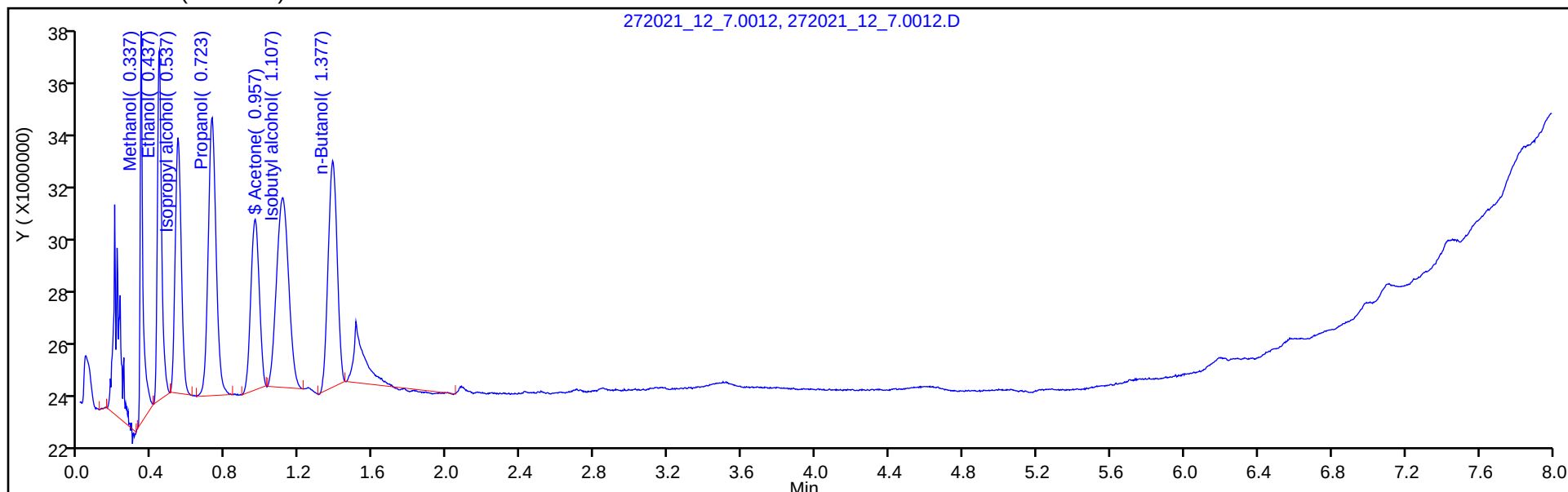
Dil. Factor: 1.0000

ALS Bottle#: 0

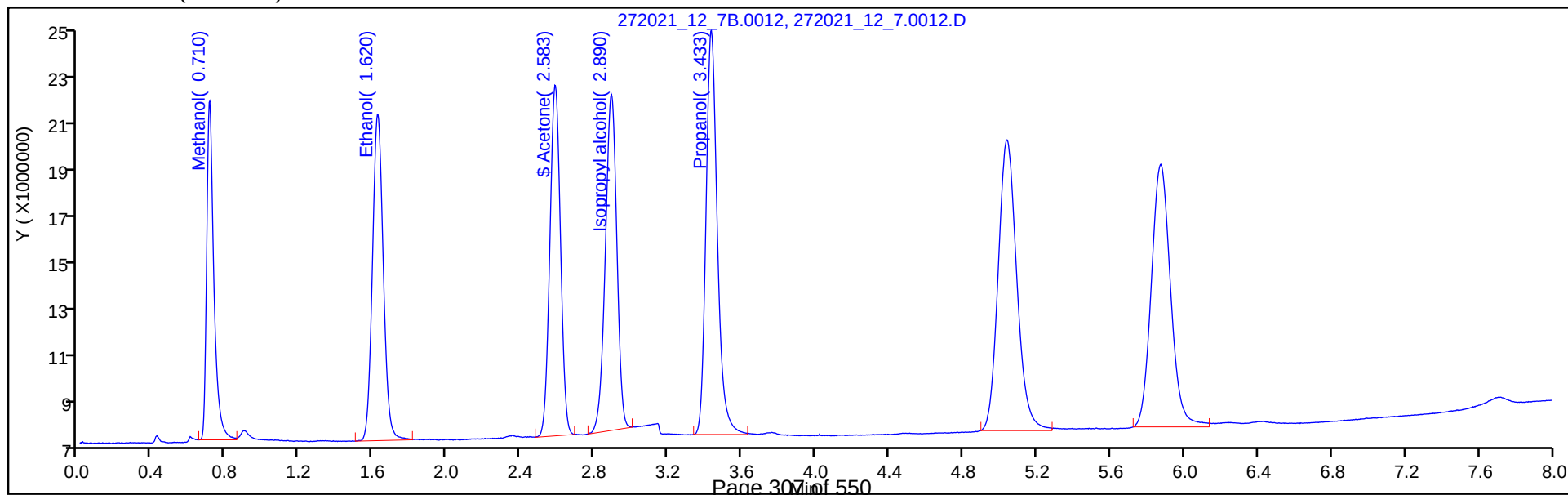
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0012.D

Injection Date: 07-Dec-2021 14:24:00

Instrument ID: 2739

Lims ID: icrt

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 5

Purge Vol: 1.000 uL

Dil. Factor:

1.0000

Method: 8015_DAI_2739

Limit Group:

GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

Detector

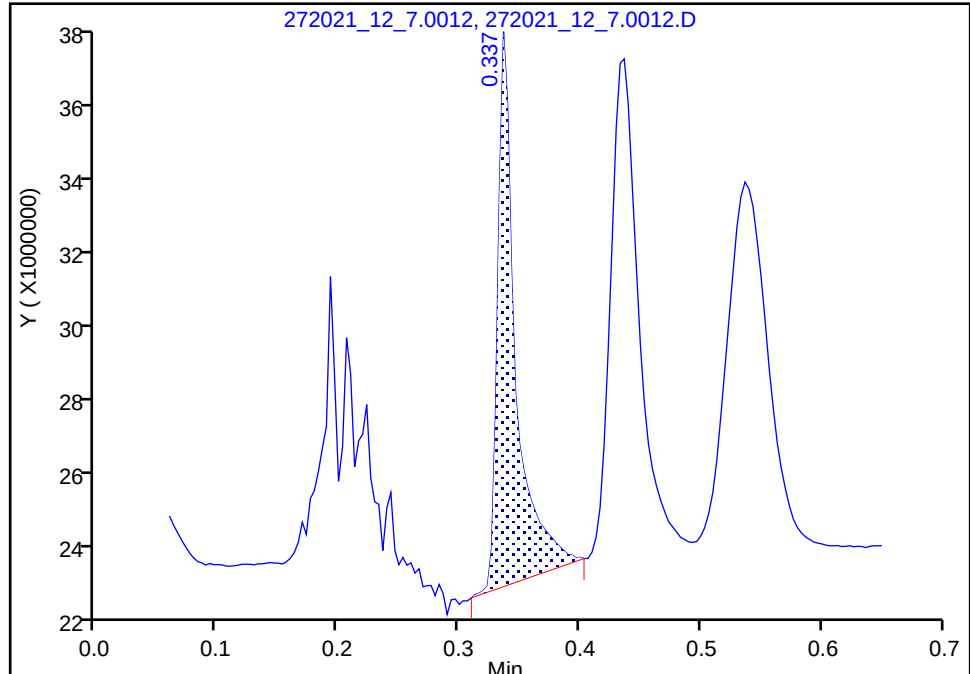
0FIDA

1 Methanol, CAS: 67-56-1

Signal: 1

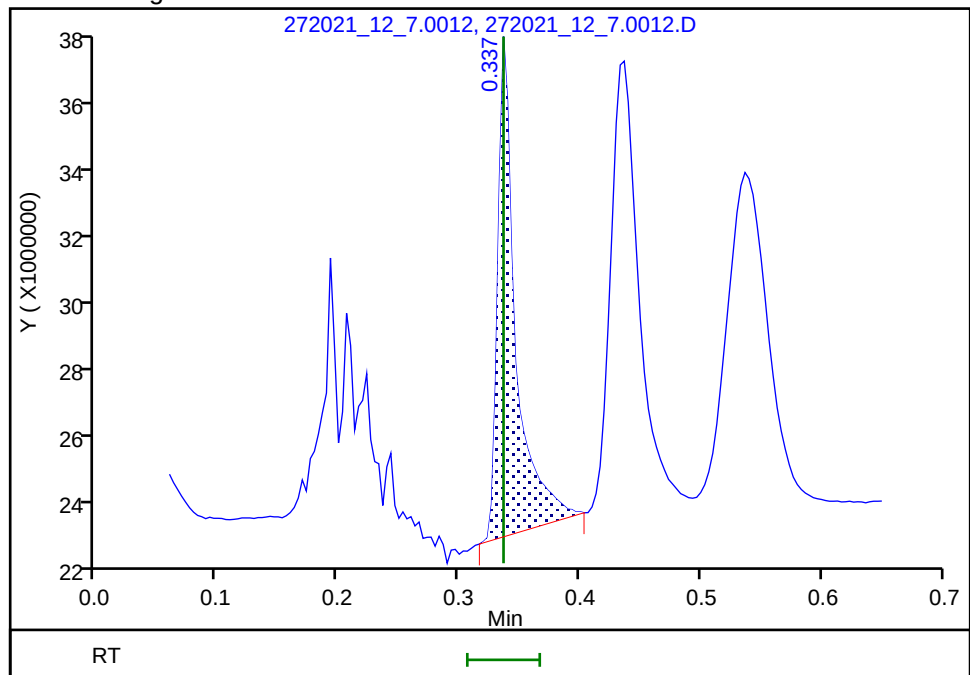
RT: 0.34
Area: 15347916
Amount: 5118.4868
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 15201041
Amount: 5079.4287
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:08:21

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

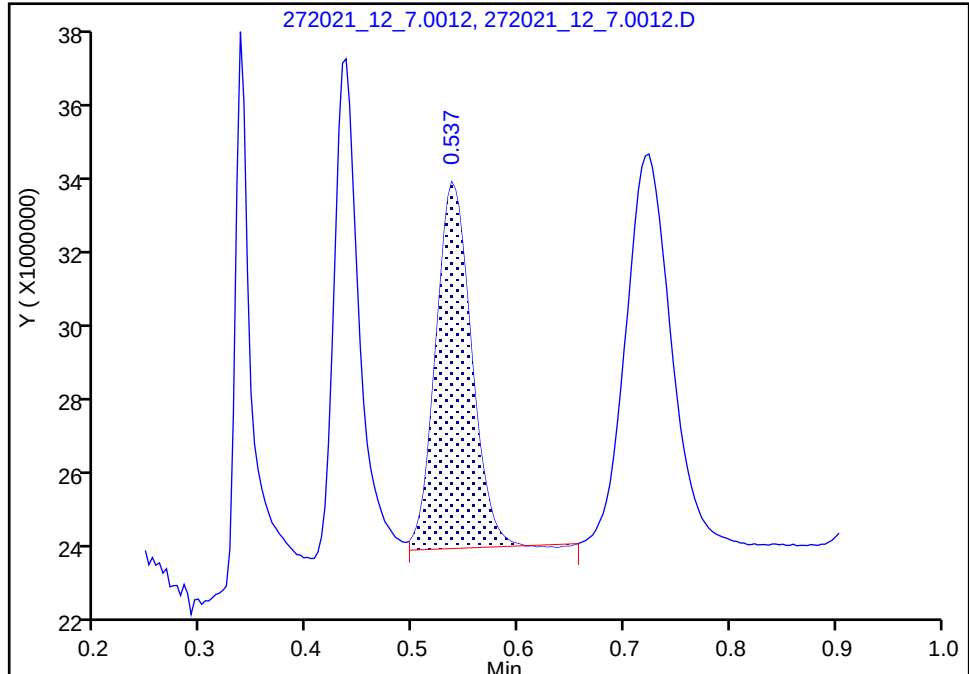
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0012.D
Injection Date: 07-Dec-2021 14:24:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

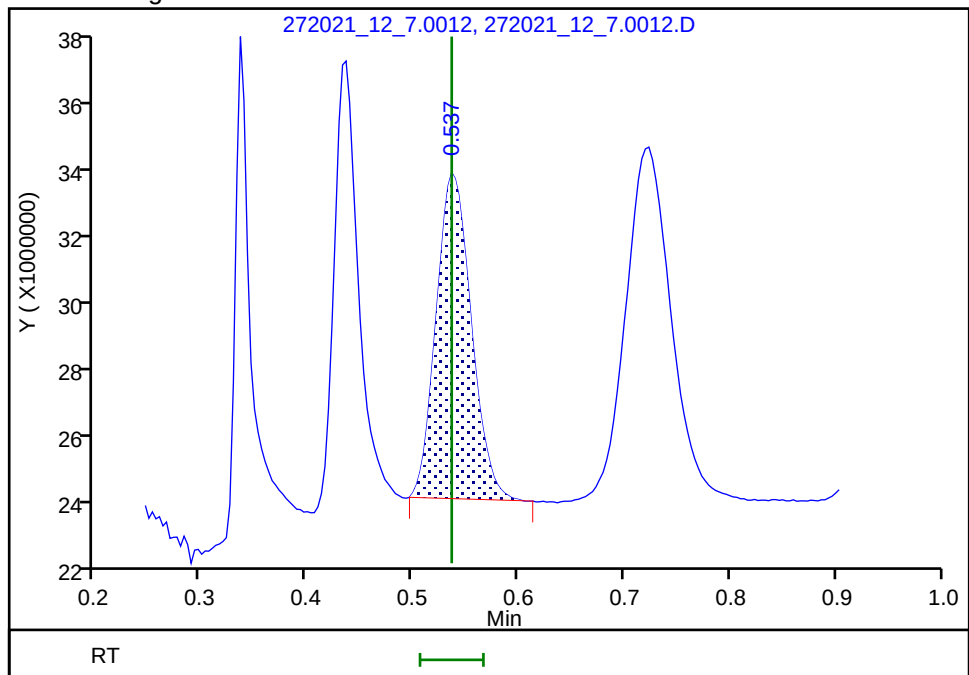
RT: 0.54
Area: 22619412
Amount: 5267.9831
Amount Units: ug/l

Processing Integration Results



RT: 0.54
Area: 21902082
Amount: 5135.1670
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:08:11

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0012.D

Injection Date: 07-Dec-2021 14:24:00

Instrument ID: 2739

Lims ID: icrt

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 5

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

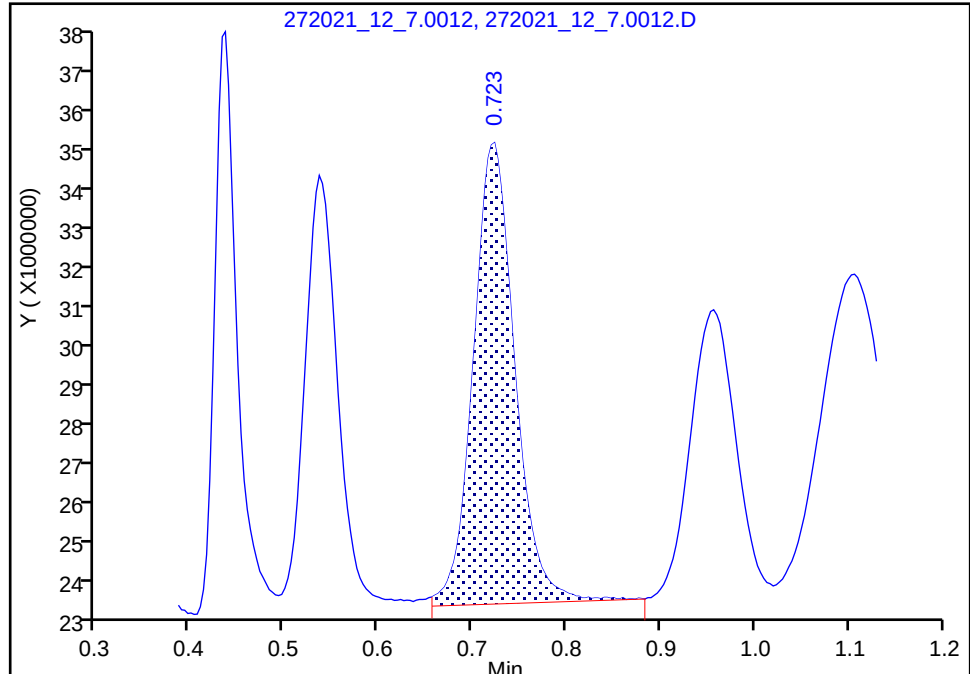
Detector: OFIDA

4 Propanol, CAS: 71-23-8

Signal: 1

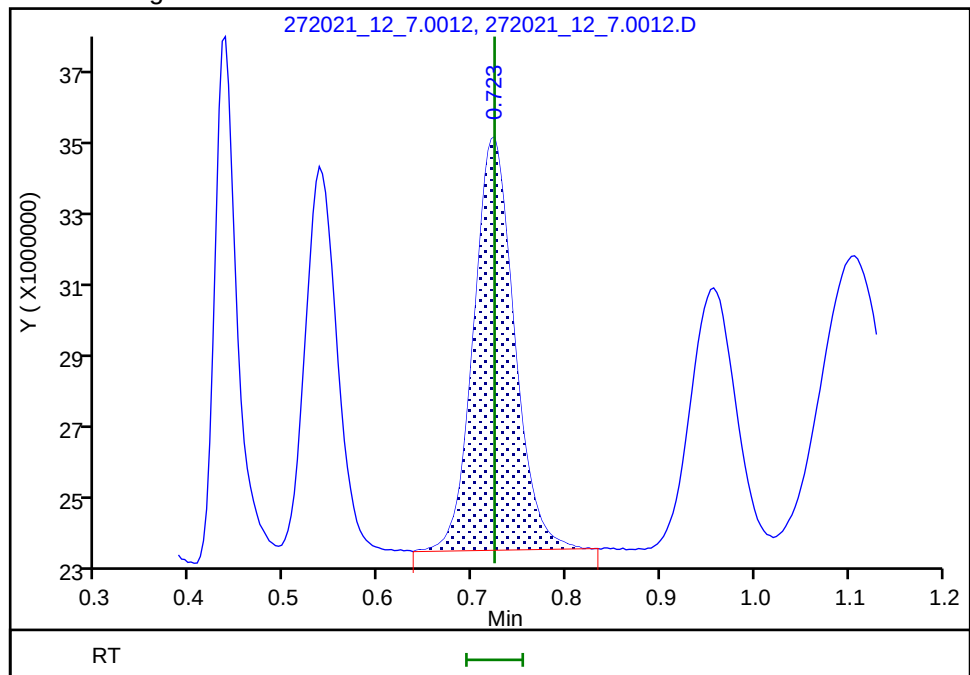
RT: 0.72
Area: 32126962
Amount: 4883.9898
Amount Units: ug/l

Processing Integration Results



RT: 0.72
Area: 31179172
Amount: 4767.0026
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:08:14

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

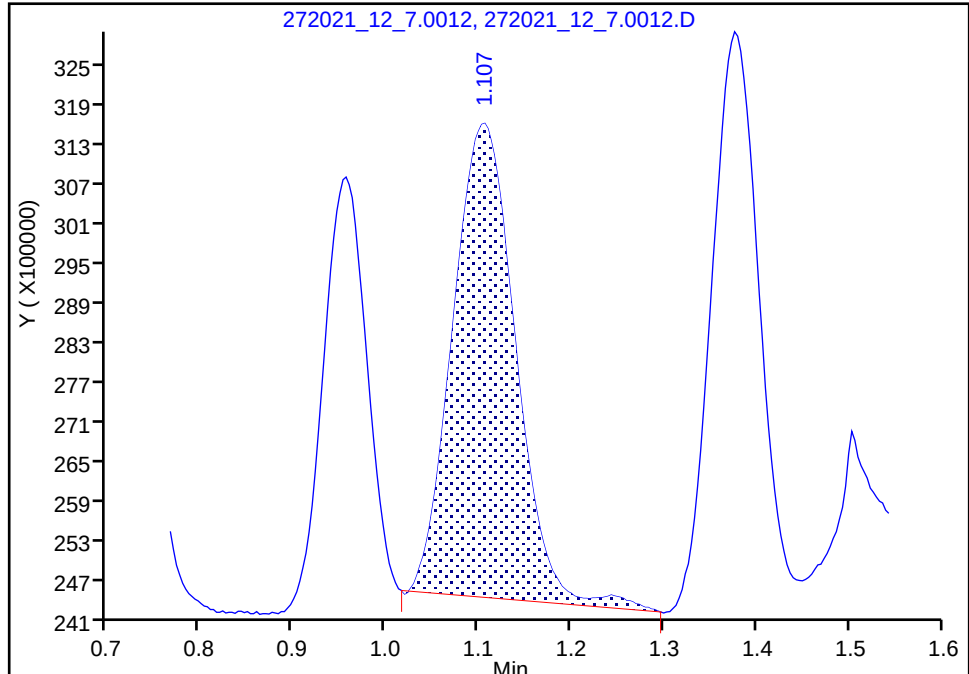
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0012.D
Injection Date: 07-Dec-2021 14:24:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

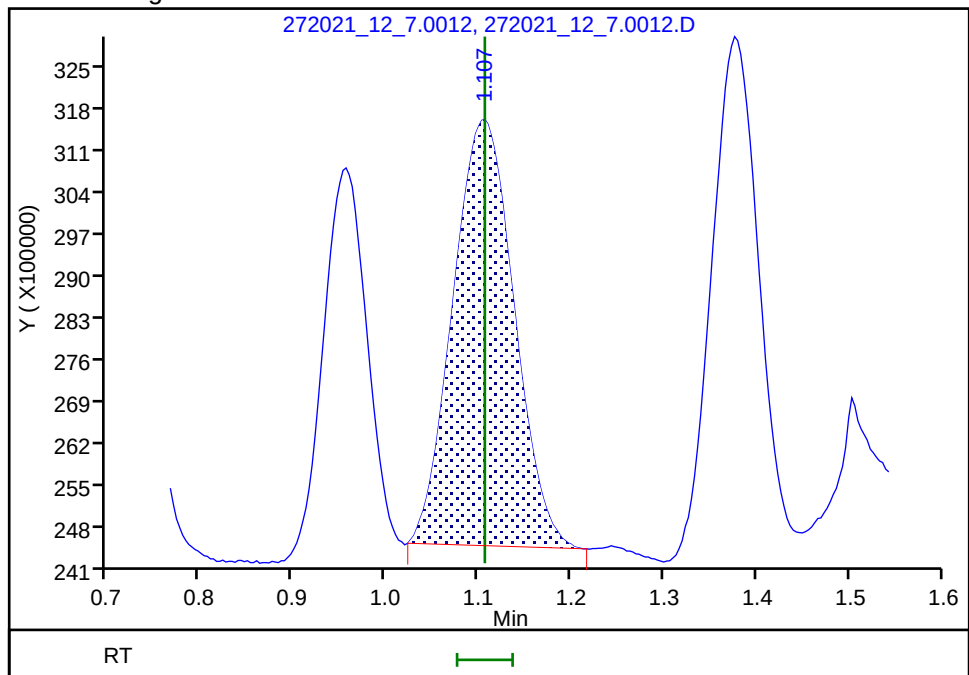
RT: 1.11
Area: 33650000
Amount: 5215.3717
Amount Units: ug/l

Processing Integration Results



RT: 1.11
Area: 32589580
Amount: 5089.8198
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:08:30
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0013.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 07-Dec-2021 14:43:00 ALS Bottle#: 0 Worklist Smp#: 6
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045751-006
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Dec-2021 08:28:27 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 08-Dec-2021 06:14:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol

1	0.337	0.337	0.000	29769794	10028	9947.6	
2	0.707	0.710	-0.003	77107291	10028	10029	
RPD = 0.81							

2 Ethanol

1	0.437	0.437	0.000	40180213	10004	9618.3	M
2	1.623	1.620	0.003	113704687	10004	10159	M
RPD = 5.47							

3 Isopropyl alcohol

1	0.537	0.537	0.000	42865110	10020	10050	
2	2.890	2.890	0.000	122177083	10020	10182	M
RPD = 1.30							

4 Propanol

1	0.723	0.723	0.000	59585829	10139	9110.1	
2	3.433	3.433	0.000	146766672	10139	10339	
RPD = 12.64							

\$ 5 Acetone

1	0.957	0.957	0.000	39866668	10016	9665.9	
2	2.587	2.583	0.004	116388026	10016	9796.7	M
RPD = 1.34							

6 Isobutyl alcohol

1	1.107	1.107	0.000	63438546	10288	9907.8	M

7 n-Butanol

1	1.380	1.377	0.003	60381773	10338	11273	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME4_00009

Amount Added: 1.00

Units: mL

Report Date: 08-Dec-2021 08:28:27

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurolins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0013.D

Injection Date: 07-Dec-2021 14:43:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 1.000 uL

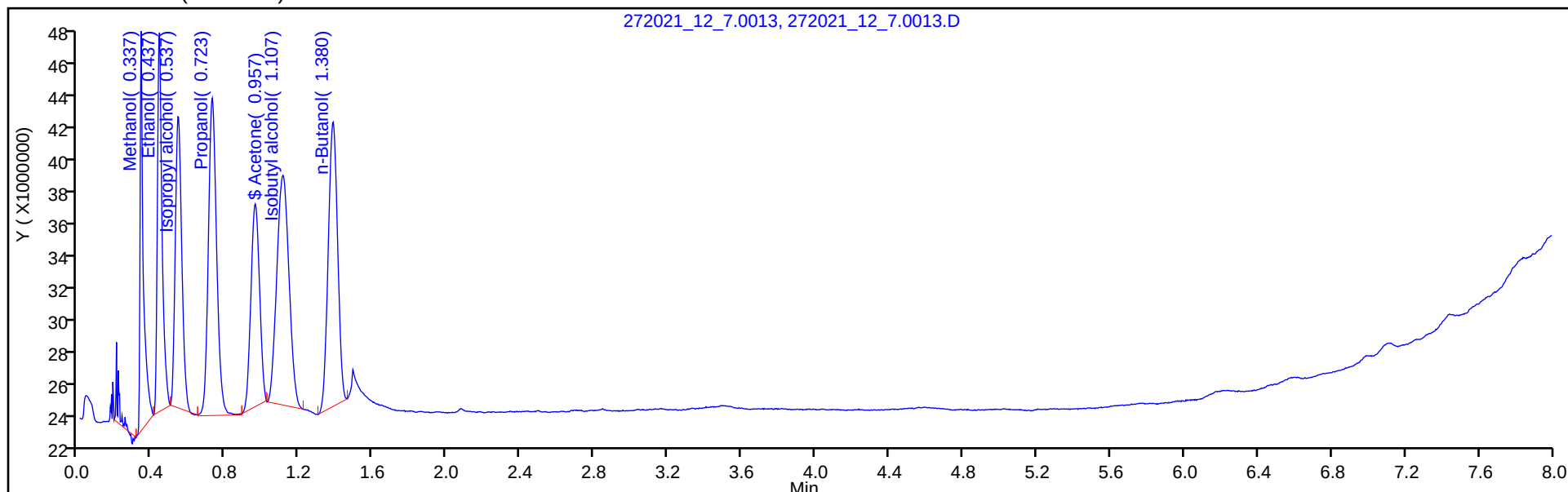
Dil. Factor: 1.0000

ALS Bottle#: 0

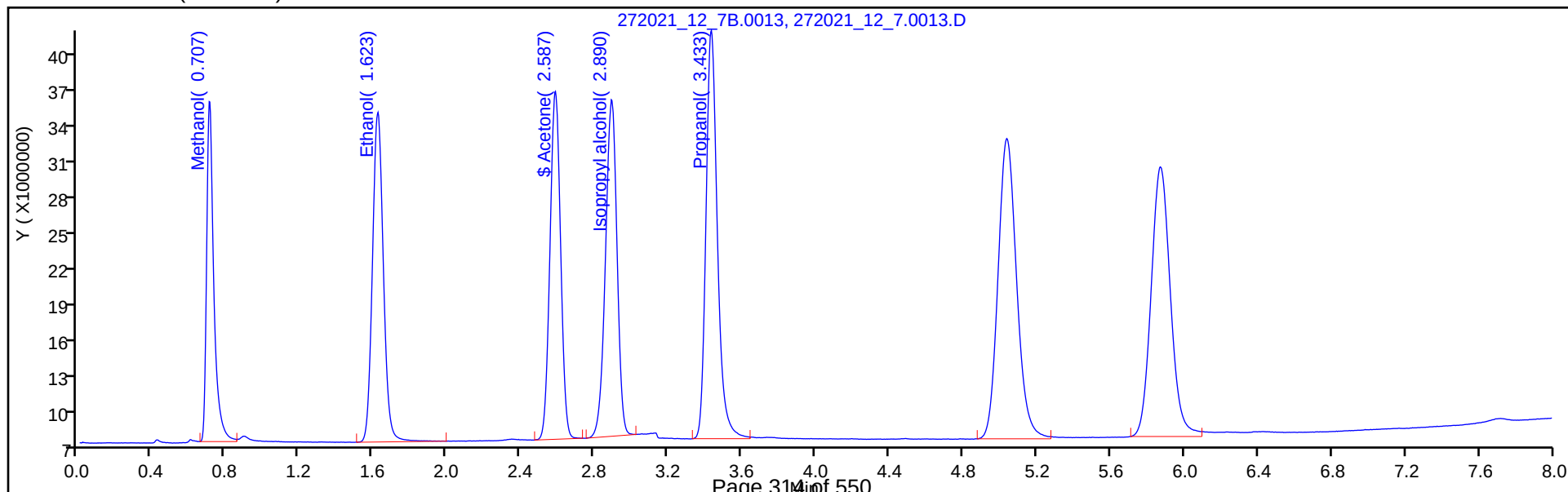
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

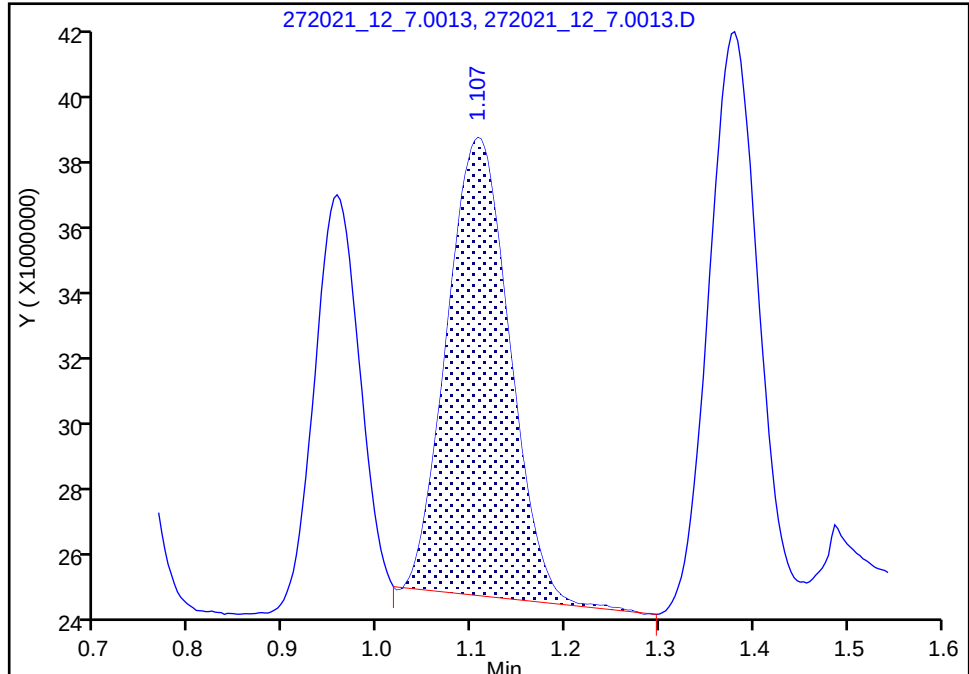
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0013.D
Injection Date: 07-Dec-2021 14:43:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

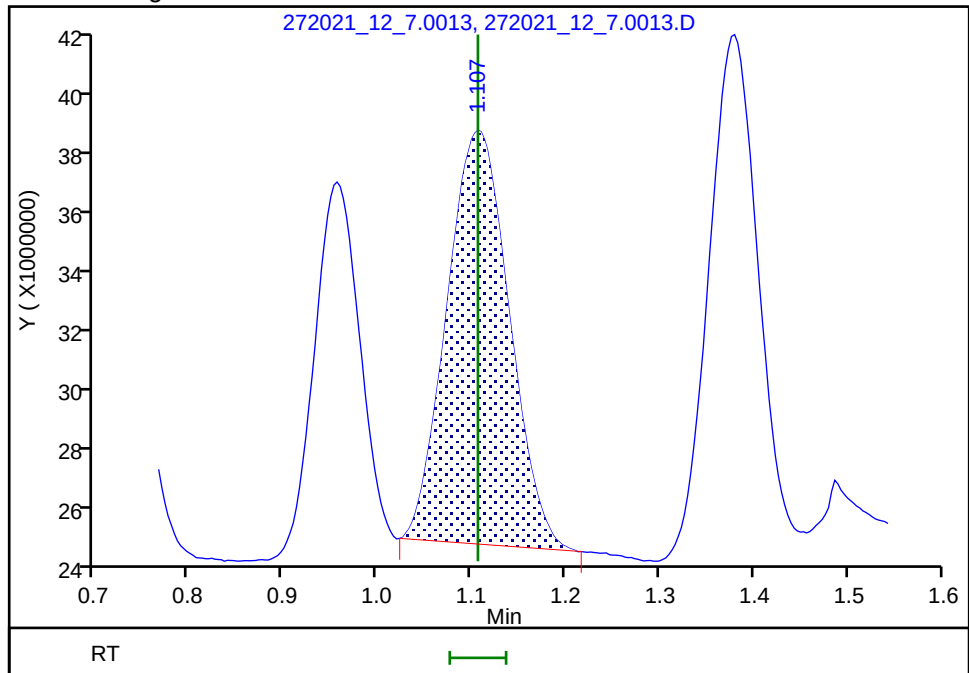
RT: 1.11
Area: 63847921
Amount: 9959.3493
Amount Units: ug/l

Processing Integration Results



RT: 1.11
Area: 63438546
Amount: 9907.7917
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:08:45
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 315 of 550

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 07-Dec-2021 15:02:00 ALS Bottle#: 0 Worklist Smp#: 7
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045751-007
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Dec-2021 08:28:28 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 08-Dec-2021 06:05:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol

1	0.337	0.337	0.000	59075523	20056	19740	
2	0.707	0.710	-0.003	154492699	20056	20093	
RPD = 1.77							

2 Ethanol

1	0.437	0.437	0.000	80752608	20008	19331	M
2	1.620	1.620	0.000	227401571	20008	20318	M
RPD = 4.98							

3 Isopropyl alcohol

1	0.540	0.537	0.003	86880213	20040	20370	Ma
2	2.890	2.890	0.000	244459387	20040	20372	M
RPD = 0.01							

4 Propanol

1	0.723	0.723	0.000	115581250	20278	17671	
2	3.433	3.433	0.000	294665638	20278	20758	
RPD = 16.06							

\$ 5 Acetone

1	0.957	0.957	0.000	79908854	20032	19374	Ma
2	2.587	2.583	0.004	229228140	20032	19295	M
RPD = 0.41							

6 Isobutyl alcohol

1	1.107	1.107	0.000	126261465	20577	19719	Ma

7 n-Butanol

1	1.380	1.377	0.003	123823963	20676	23118	Ma

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

EPH_LLME5_00009

Amount Added: 1.00

Units: ml

Report Date: 08-Dec-2021 08:28:28

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Euofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D

Injection Date: 07-Dec-2021 15:02:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 7

Client ID:

Purge Vol: 1.000 uL

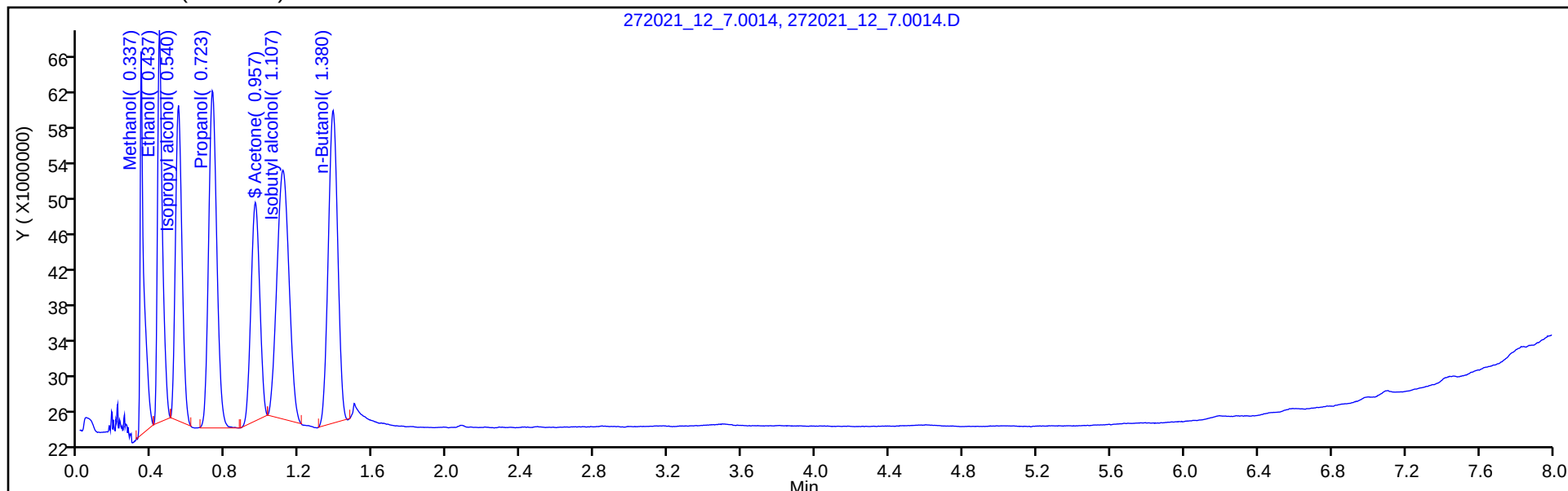
Dil. Factor: 1.0000

ALS Bottle#: 0

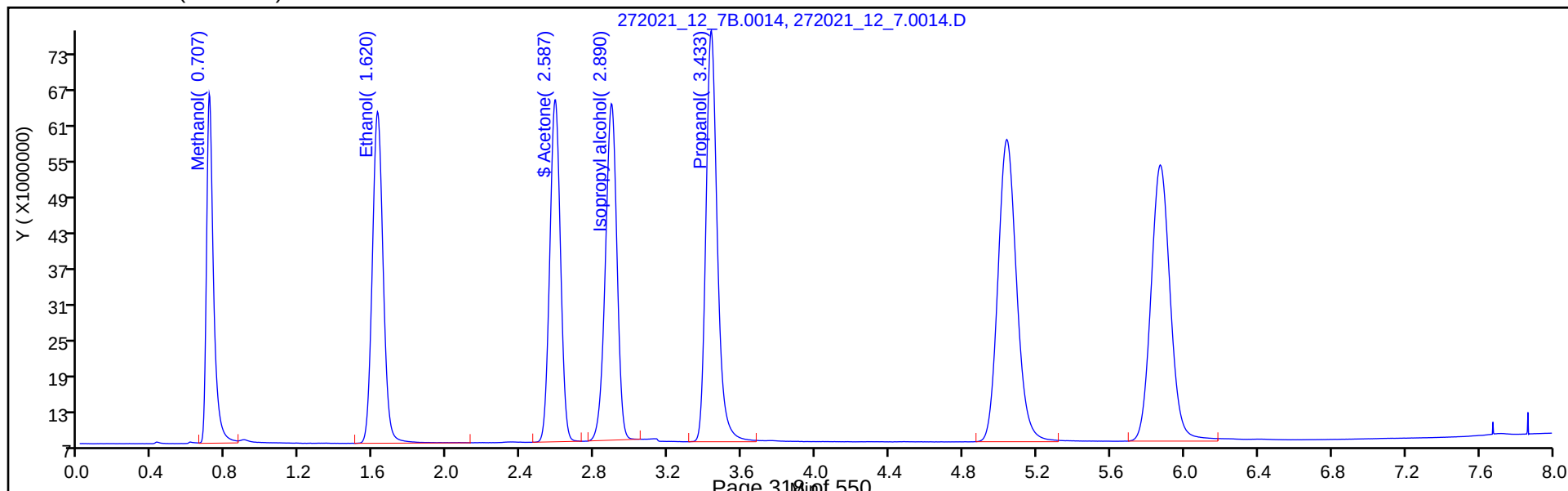
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D

Injection Date: 07-Dec-2021 15:02:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 7

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

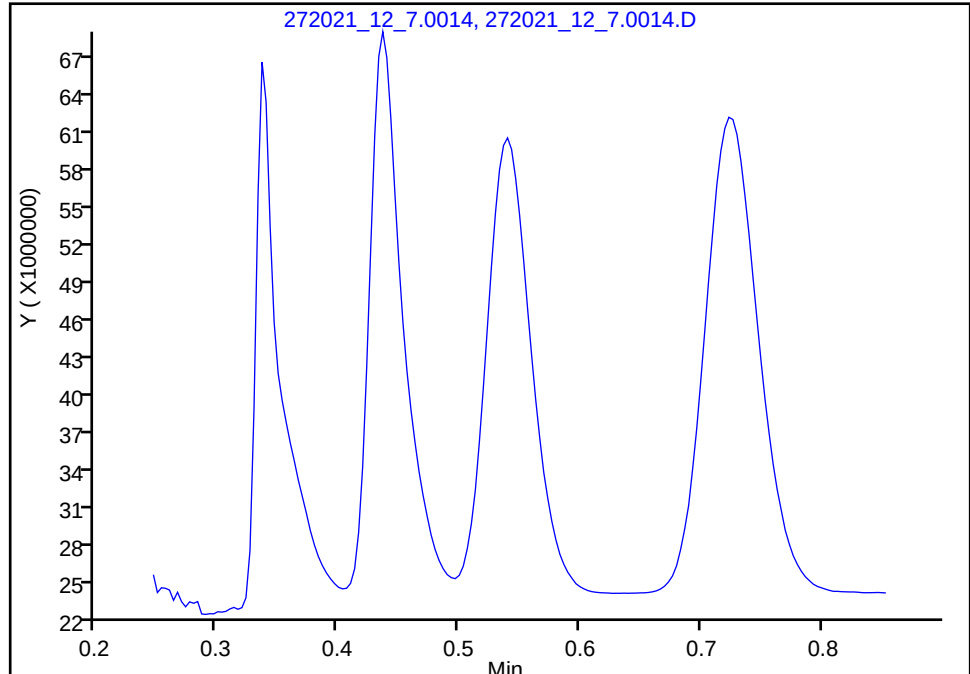
Detector 0FIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

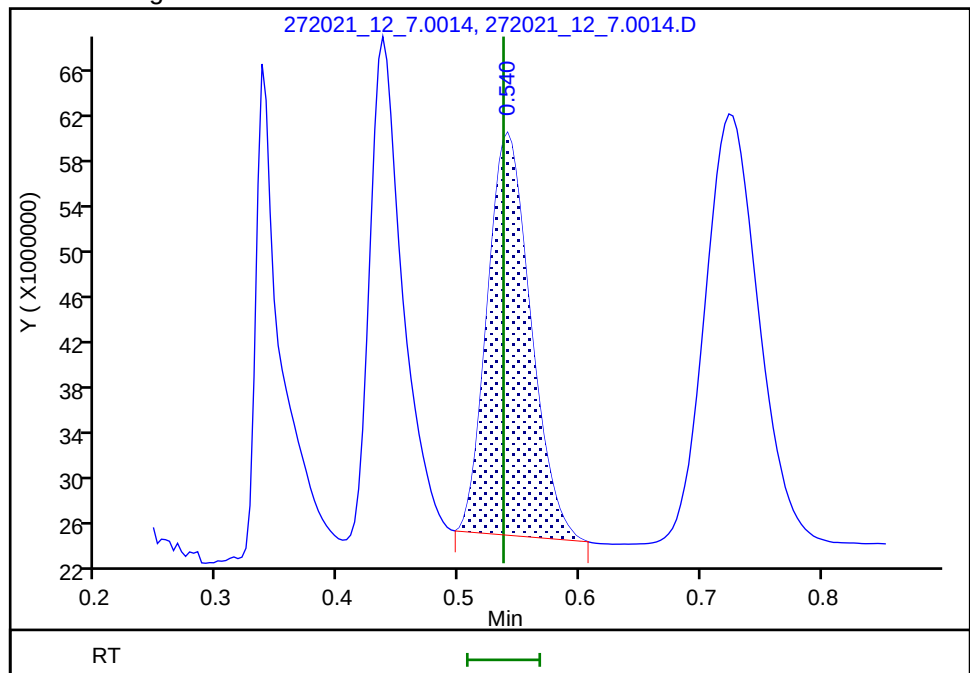
RT: 0.54
Area: 0
Amount: 19608
Amount Units: ug/l

Processing Integration Results



RT: 0.54
Area: 86880213
Amount: 20370
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:05:08

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D

Injection Date: 07-Dec-2021 15:02:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#:

7

Purge Vol: 1.000 uL

Dil. Factor:

1.0000

Method: 8015_DAI_2739

Limit Group:

GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

Detector

OFIDA

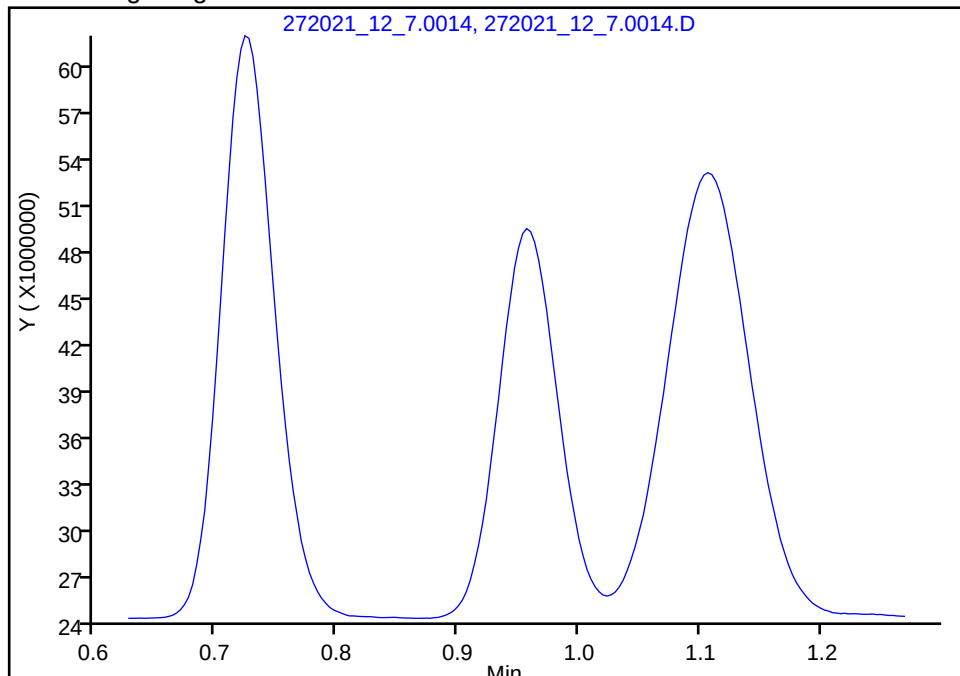
\$ 5 Acetone, CAS: 67-64-1

Signal: 1

Not Detected

Expected RT: 0.96

Processing Integration Results



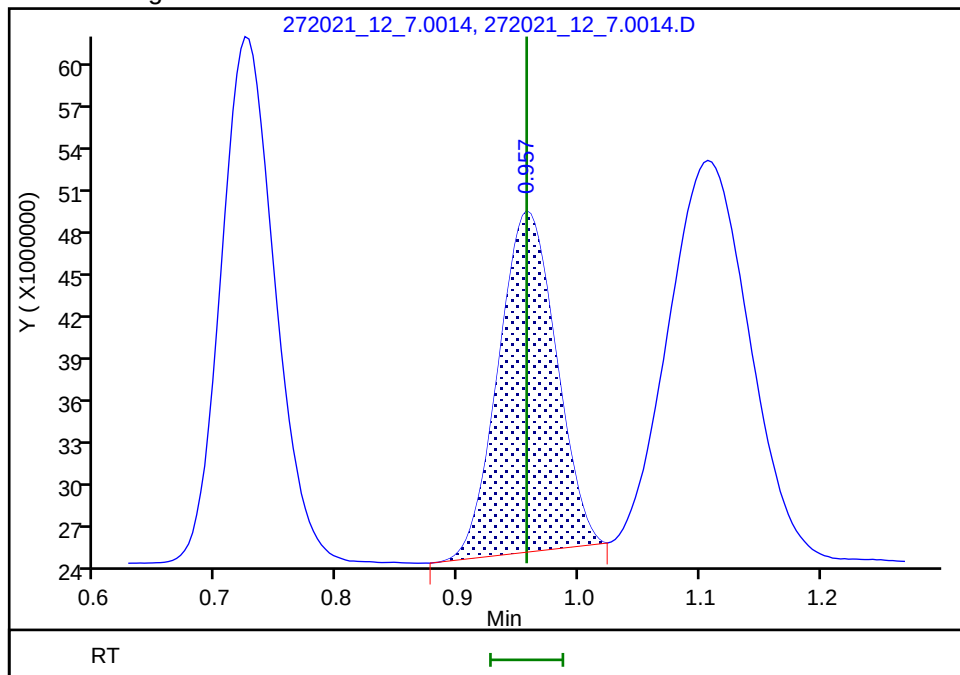
RT: 0.96

Area: 79908854

Amount: 19374

Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:05:11

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

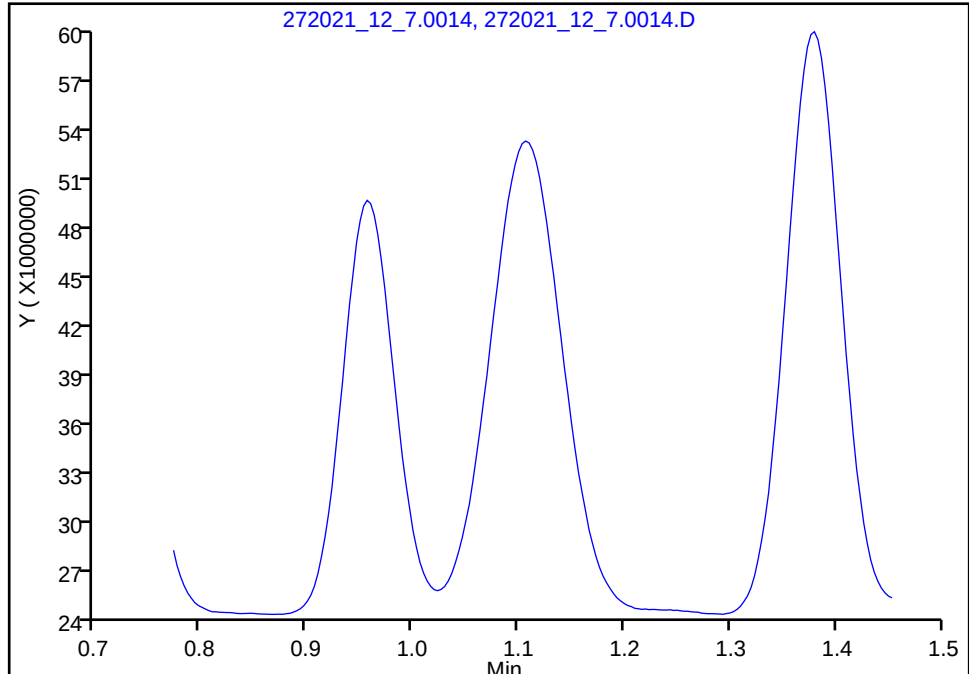
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
Injection Date: 07-Dec-2021 15:02:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

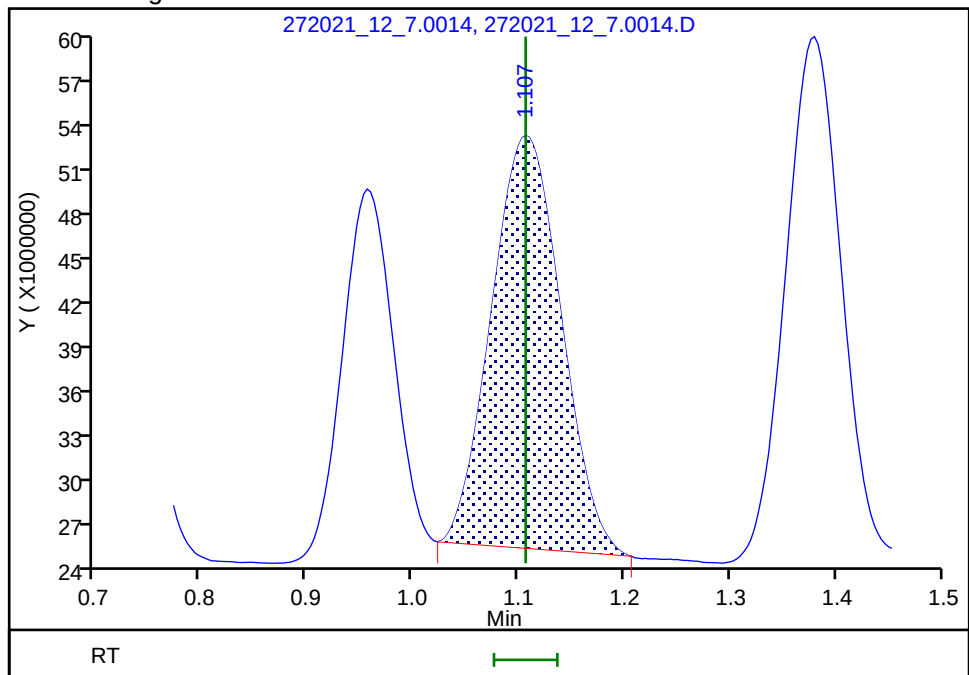
Not Detected
Expected RT: 1.11

Processing Integration Results



RT: 1.11
Area: 126261465
Amount: 19719
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:05:14

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

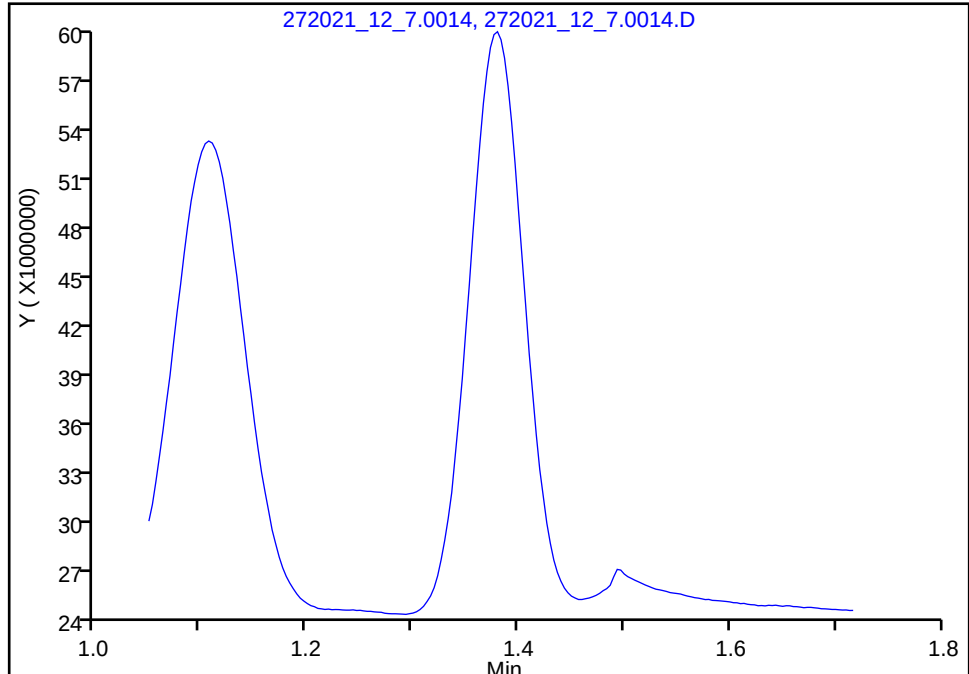
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
Injection Date: 07-Dec-2021 15:02:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

7 n-Butanol, CAS: 71-36-3

Signal: 1

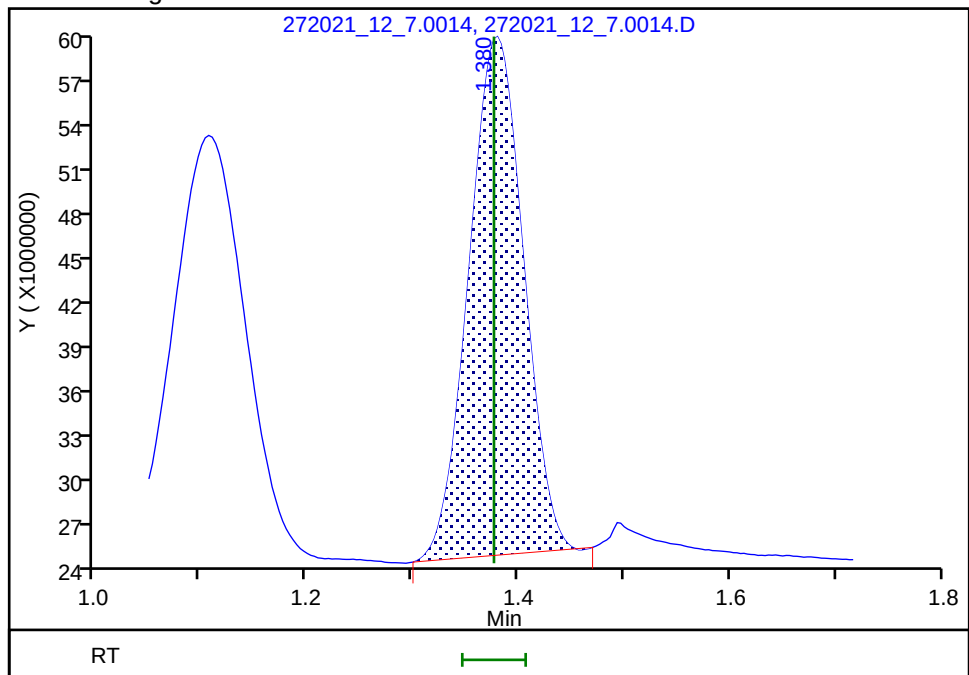
Not Detected
Expected RT: 1.38

Processing Integration Results



RT: 1.38
Area: 123823963
Amount: 23118
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:05:13

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

Calibration

/ Methanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ESTD
Response Base: AREA
RF Rounding: 0

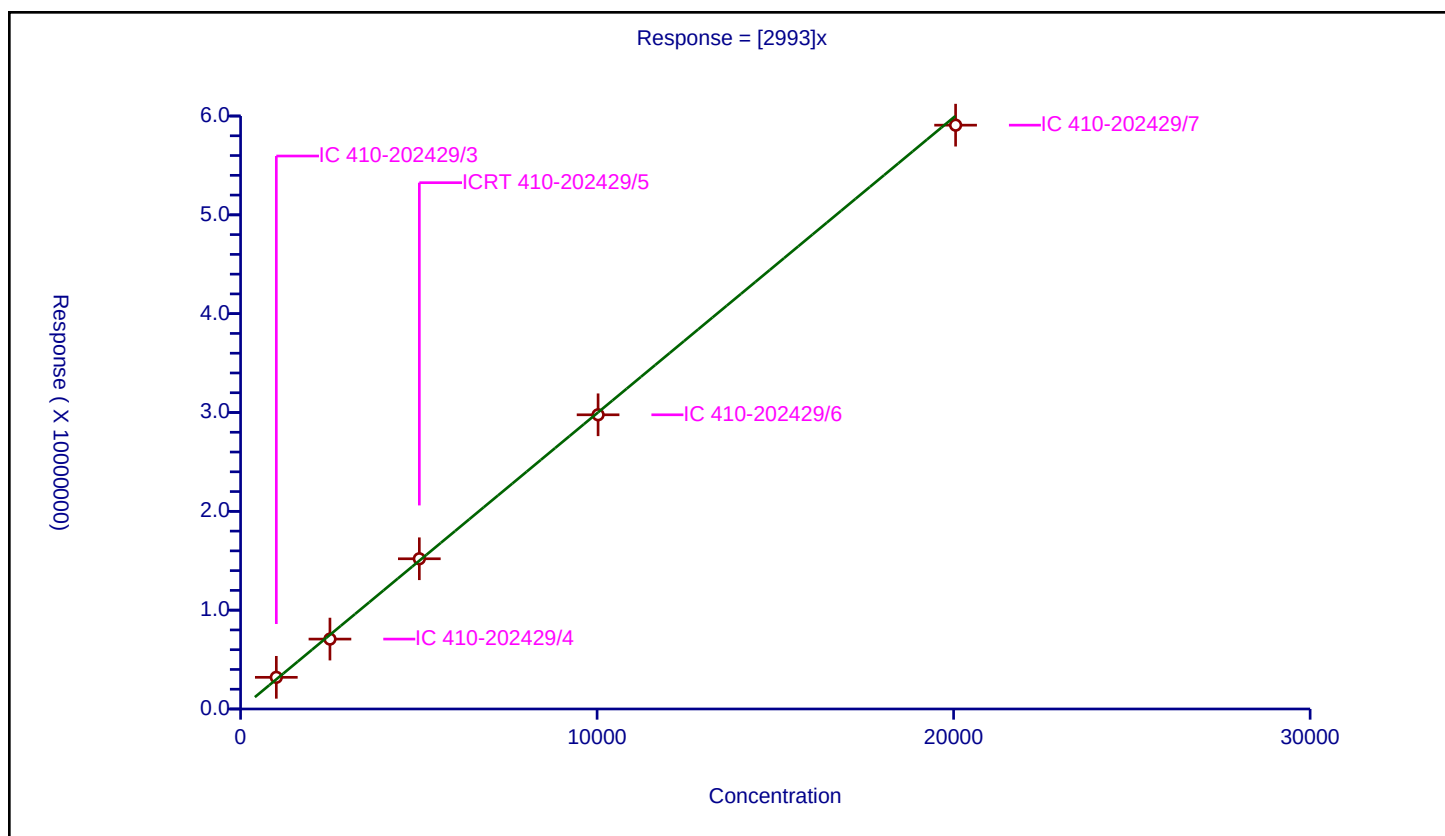
Curve Coefficients

Intercept: 0
Slope: 2993

Error Coefficients

Standard Error: 551000
Relative Standard Error: 4.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-202429/3	1002.8	3204687.0			3195.738931	Y
2	IC 410-202429/4	2507.0	7073960.0			2821.683287	Y
3	ICRT 410-202429/5	5014.0	15201041.0			3031.719386	Y
4	IC 410-202429/6	10028.0	29769794.0			2968.667132	Y
5	IC 410-202429/7	20056.0	59075523.0			2945.52867	Y



Calibration

/ Ethanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

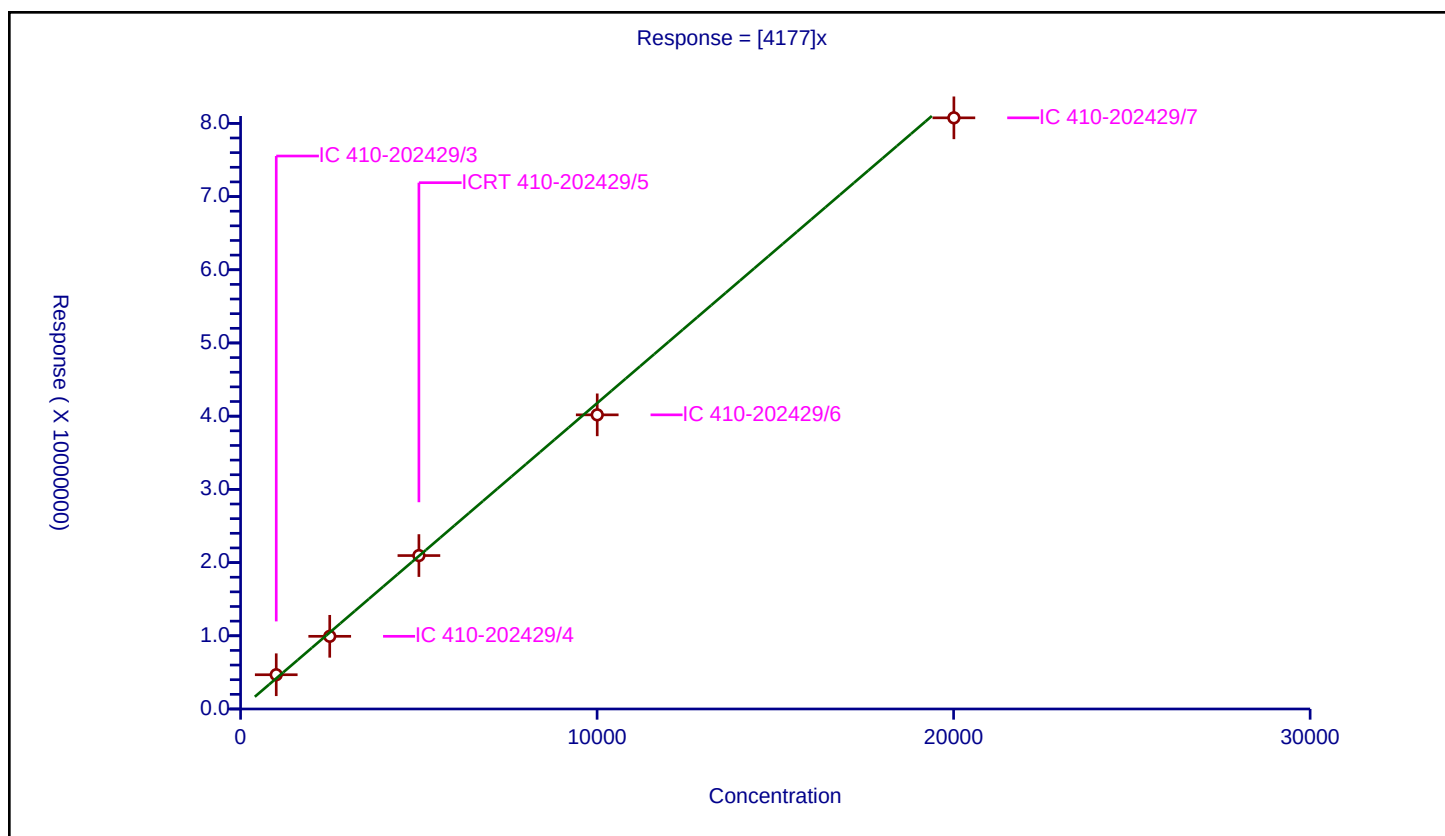
Curve Coefficients

Intercept: 0
 Slope: 4177

Error Coefficients

Standard Error: 1670000
 Relative Standard Error: 7.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-202429/3	1000.4	4677605.0			4675.734706	Y
2	IC 410-202429/4	2501.0	9927603.0			3969.453419	Y
3	ICRT 410-202429/5	5002.0	20956771.0			4189.678329	Y
4	IC 410-202429/6	10004.0	40180213.0			4016.414734	Y
5	IC 410-202429/7	20008.0	80752608.0			4036.015994	Y



Calibration

/ Isopropyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

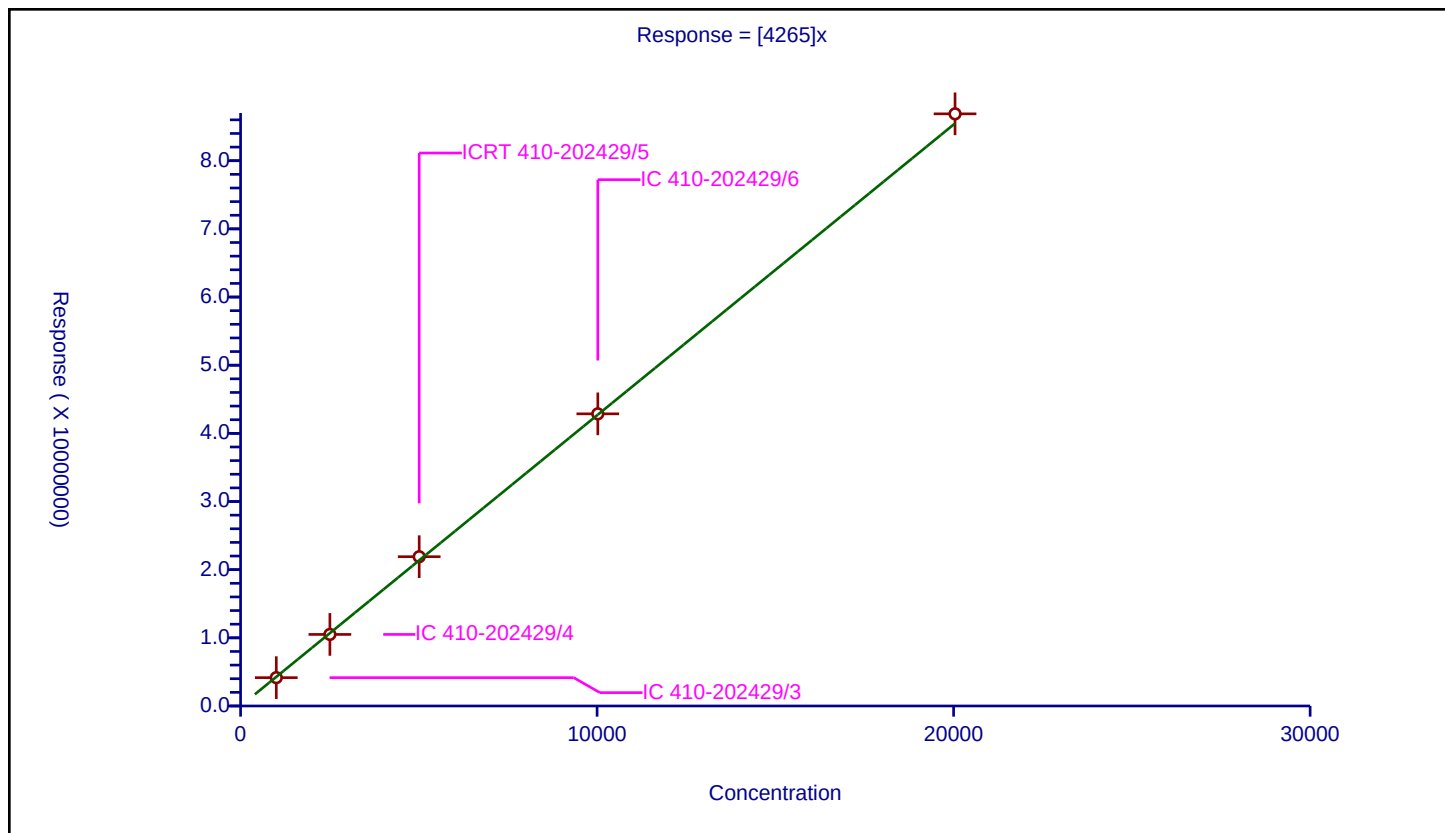
Curve Coefficients

Intercept: 0
 Slope: 4265

Error Coefficients

Standard Error: 763000
 Relative Standard Error: 2.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-202429/3	1002.0	4157292.0			4148.994012	Y
2	IC 410-202429/4	2505.0	10500001.0			4191.617166	Y
3	ICRT 410-202429/5	5010.0	21902082.0			4371.673054	Y
4	IC 410-202429/6	10020.0	42865110.0			4277.95509	Y
5	IC 410-202429/7	20040.0	86880213.0			4335.33997	Y



Calibration

/ Propanol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

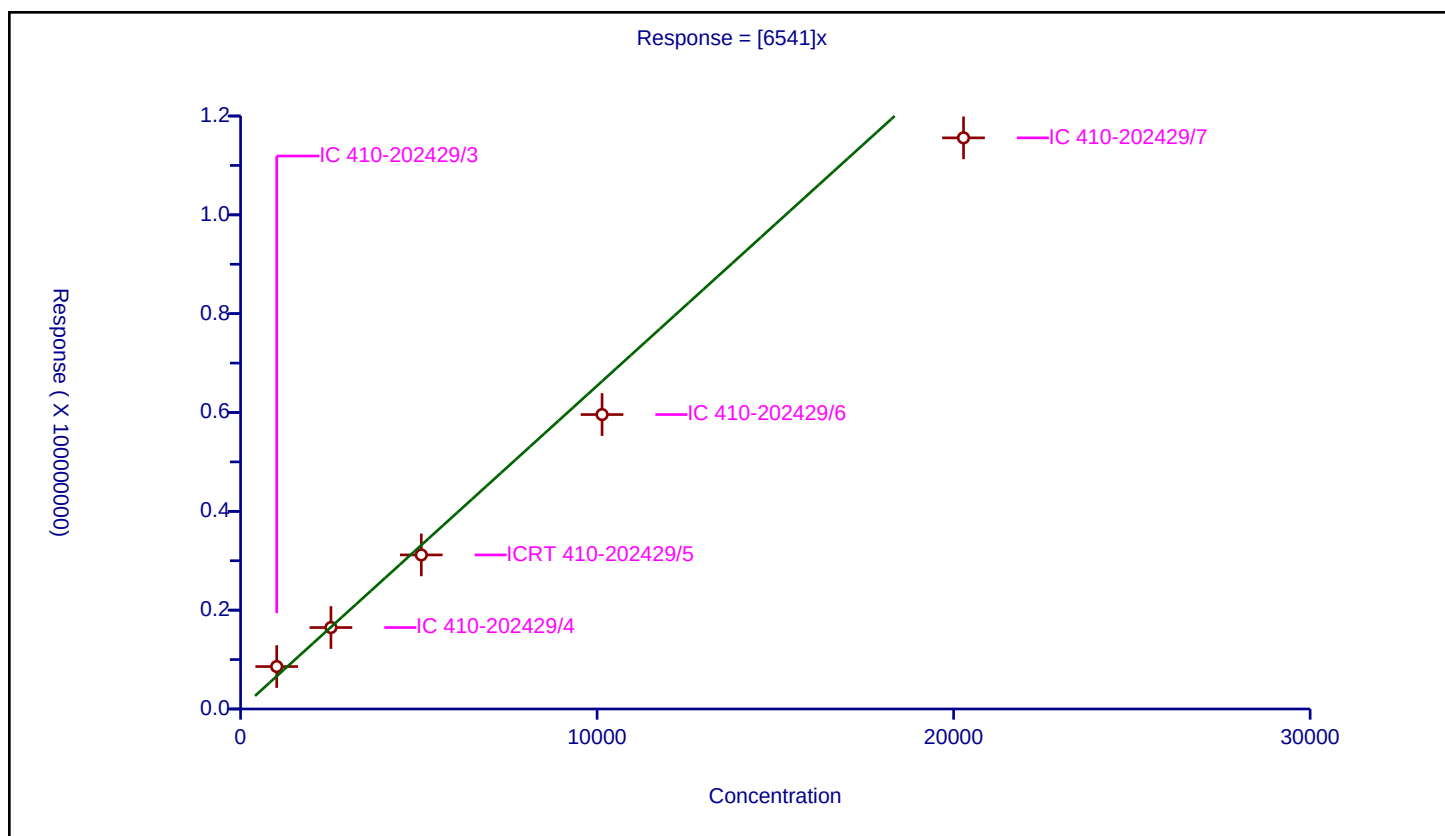
Curve Coefficients

Intercept: 0
 Slope: 6541

Error Coefficients

Standard Error: 9270000
 Relative Standard Error: 17.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.934

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-202429/3	1013.905	8590627.0			8472.812542	Y
2	IC 410-202429/4	2534.7625	16484377.0			6503.322106	Y
3	ICRT 410-202429/5	5069.525	31179172.0			6150.31428	Y
4	IC 410-202429/6	10139.05	59585829.0			5876.865091	Y
5	IC 410-202429/7	20278.1	115581250.0			5699.806688	Y



Calibration

/ Acetone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ESTD
Response Base: AREA
RF Rounding: 0

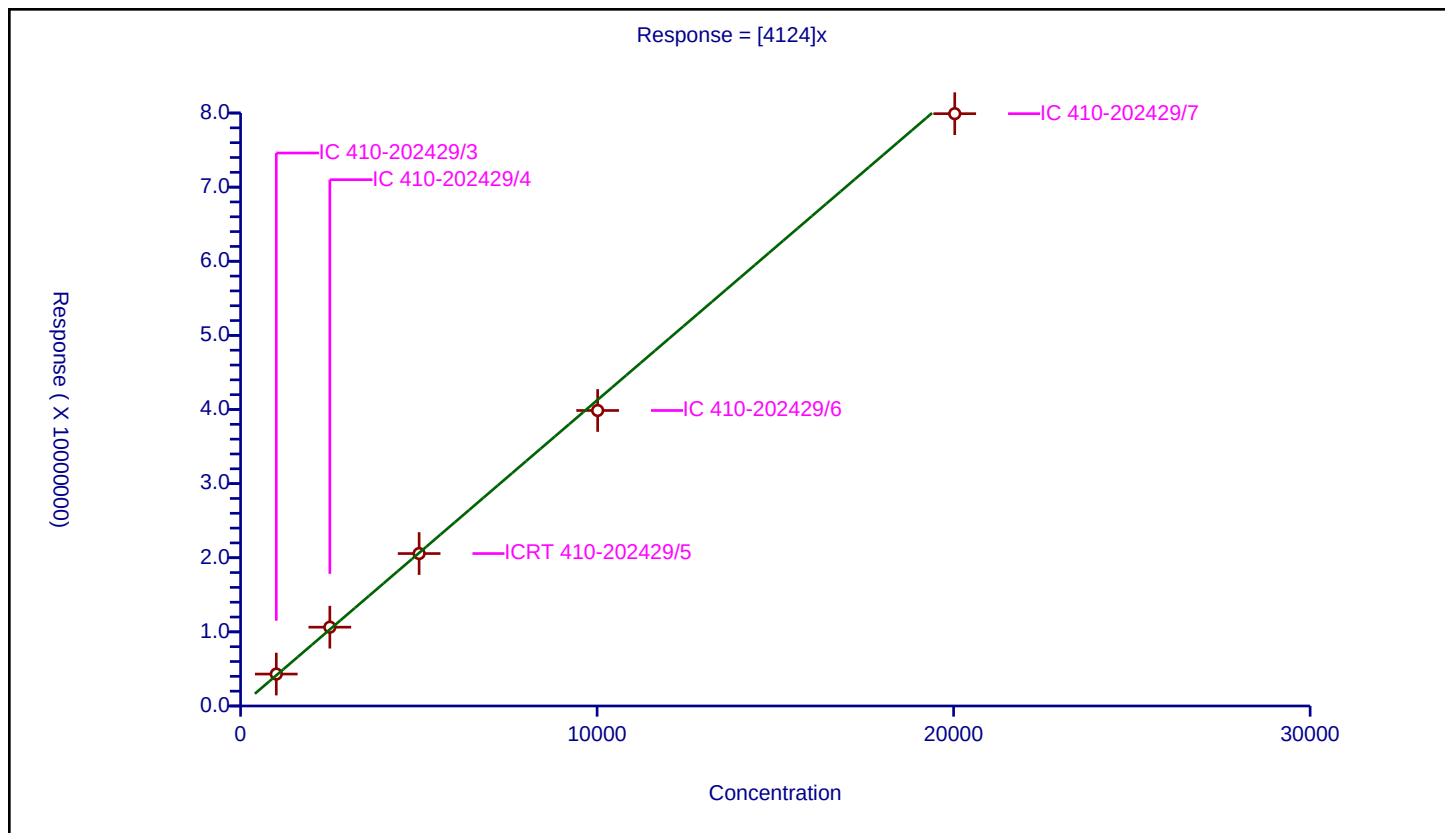
Curve Coefficients

Intercept: 0
Slope: 4124

Error Coefficients

Standard Error: 1550000
Relative Standard Error: 3.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-202429/3	1001.6	4307290.0			4300.409345	Y
2	IC 410-202429/4	2504.0	10631771.0			4245.914936	Y
3	ICRT 410-202429/5	5008.0	20566147.0			4106.658746	Y
4	IC 410-202429/6	10016.0	39866668.0			3980.298323	Y
5	IC 410-202429/7	20032.0	79908854.0			3989.060204	Y



Calibration

/ Isobutyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

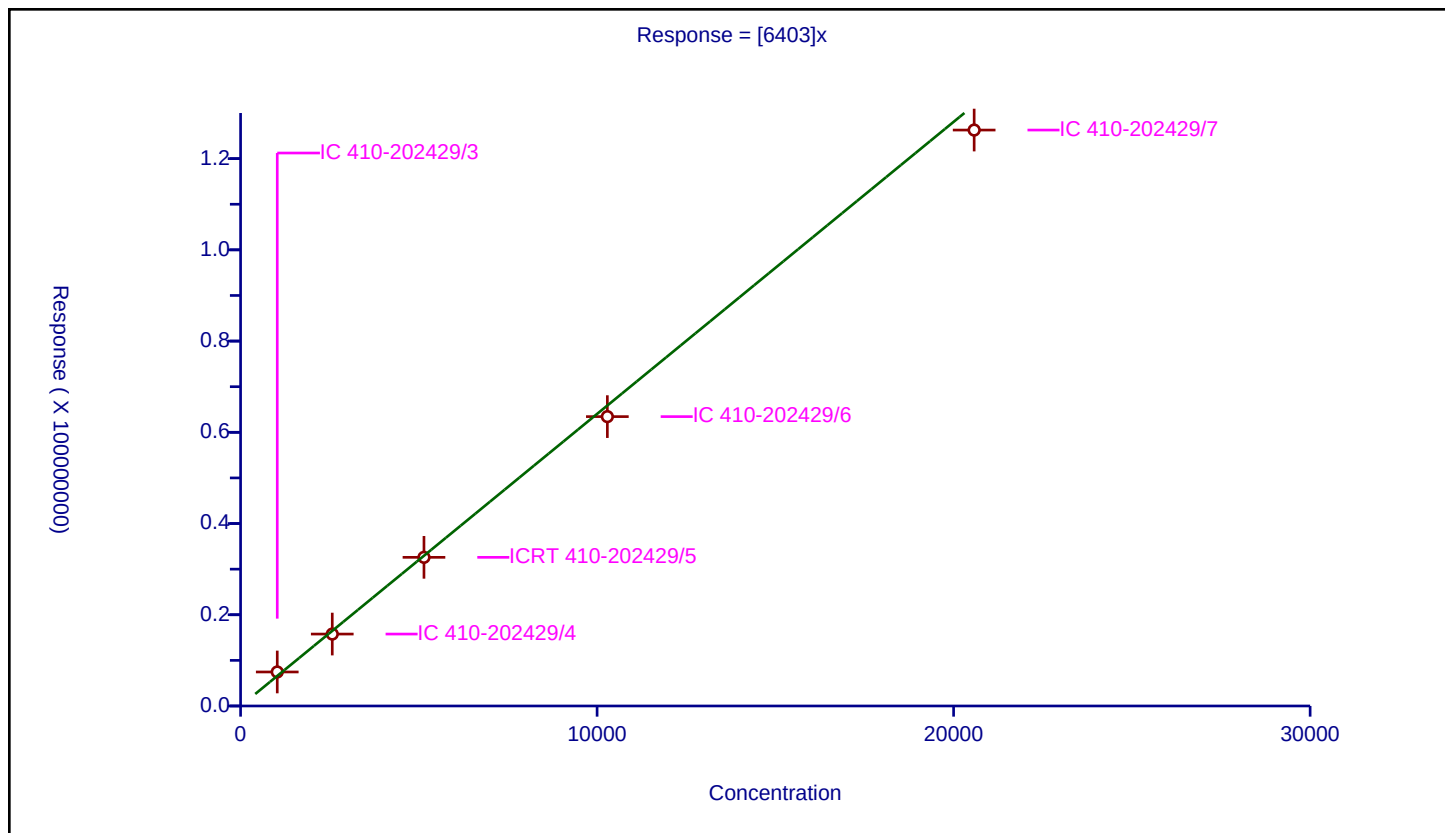
Curve Coefficients

Intercept: 0
 Slope: 6403

Error Coefficients

Standard Error: 3060000
 Relative Standard Error: 7.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-202429/3	1028.83	7454688.0			7245.791822	Y
2	IC 410-202429/4	2572.075	15769796.0			6131.15714	Y
3	ICRT 410-202429/5	5144.15	32589580.0			6335.270161	Y
4	IC 410-202429/6	10288.3	63438546.0			6166.086331	Y
5	IC 410-202429/7	20576.6	126261465.0			6136.16754	Y



Calibration

/ n-Butanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ESTD
Response Base: AREA
RF Rounding: 0

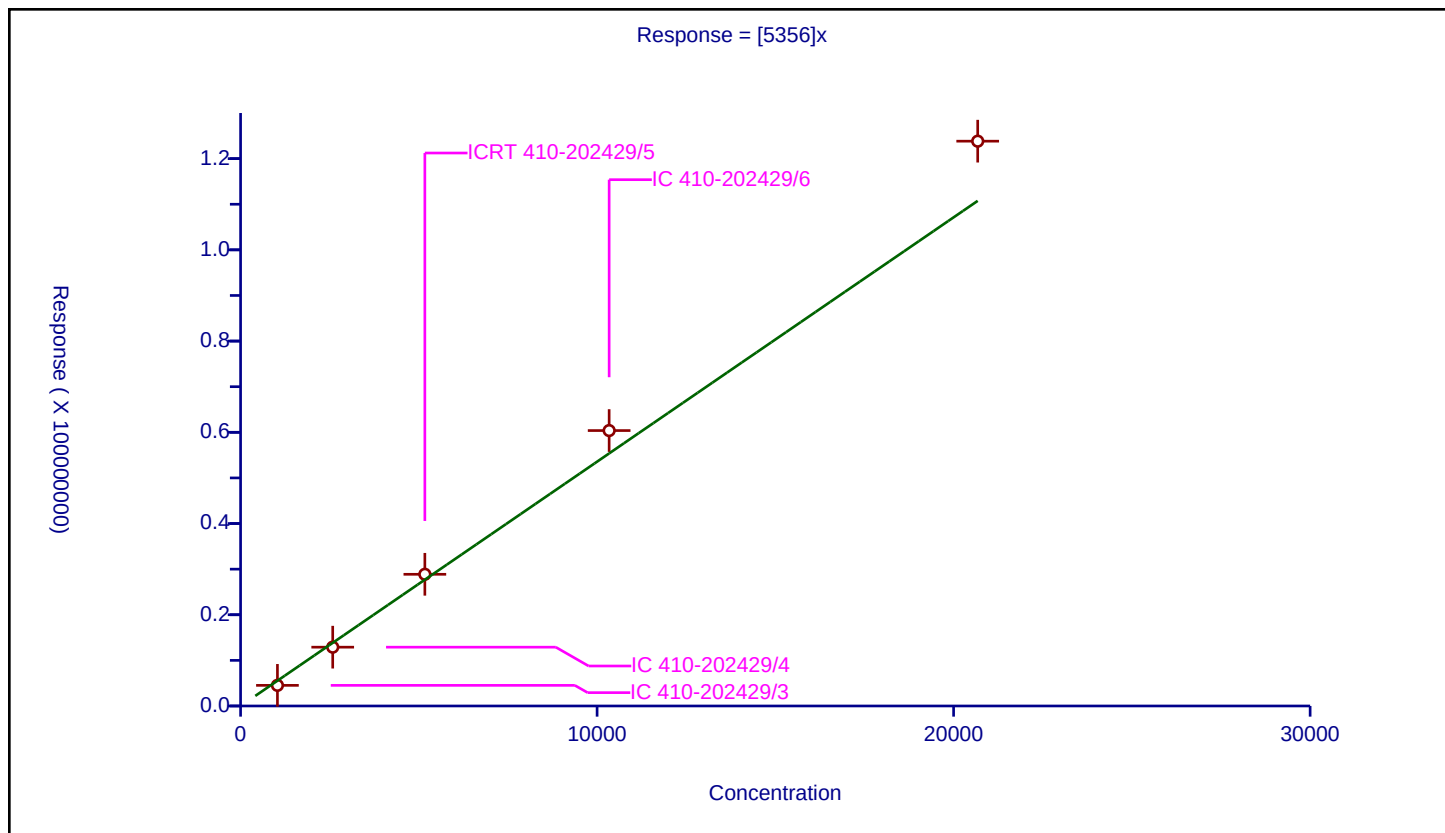
Curve Coefficients

Intercept: 0
Slope: 5356

Error Coefficients

Standard Error: 7060000
Relative Standard Error: 12.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.980

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-202429/3	1033.805	4524482.0			4376.533292	Y
2	IC 410-202429/4	2584.5125	12894274.0			4989.054609	Y
3	ICRT 410-202429/5	5169.025	28872395.0			5585.655902	Y
4	IC 410-202429/6	10338.05	60381773.0			5840.731376	Y
5	IC 410-202429/7	20676.1	123823963.0			5988.748507	Y



FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 202429

SDG No.: _____

Instrument ID: 2739 GC Column: SP1000 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2021 13:47 Calibration End Date: 12/07/2021 15:02 Calibration ID: 33721

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-202429/3	272021_12_7.0010.D
Level 2	IC 410-202429/4	272021_12_7.0011.D
Level 3	ICRT 410-202429/5	272021_12_7.0012.D
Level 4	IC 410-202429/6	272021_12_7.0013.D
Level 5	IC 410-202429/7	272021_12_7.0014.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Methanol	0.717	0.720	0.710	0.707	0.707						0.680 - 0.740	0.712
Ethanol	1.630	1.637	1.620	1.623	1.620						1.590 - 1.650	1.626
Isopropanol	2.897	2.900	2.890	2.890	2.890						2.860 - 2.920	2.893
1-Propanol	3.437	3.440	3.433	3.433	3.433						3.396 - 3.470	3.435
Acetone	2.590	2.593	2.583	2.587	2.587						2.553 - 2.613	2.588

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 202429

SDG No.: _____

Instrument ID: 2739 GC Column: SP1000 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2021 13:47 Calibration End Date: 12/07/2021 15:02 Calibration ID: 33721

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-202429/3	272021_12_7.0010.D
Level 2	IC 410-202429/4	272021_12_7.0011.D
Level 3	ICRT 410-202429/5	272021_12_7.0012.D
Level 4	IC 410-202429/6	272021_12_7.0013.D
Level 5	IC 410-202429/7	272021_12_7.0014.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Methanol	7749.1 7703.1	7586.5	7715.9	7689.2	Ave		7688.7538 2				0.8		20.0			
Ethanol	11088 11366	10913	11230	11366	Ave		11192.362 7				1.7		20.0			
Isopropanol	11789 12199	11631	12186	12193	Ave		11999.595 4				2.3		20.0			
1-Propanol	14030 14531	13619	14322	14475	Ave		14195.583 2				2.7		20.0			
Acetone	12044 11443	12532	11763	11620	Ave		11880.324 8				3.6		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC VOA BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 202429

SDG No.: _____

Instrument ID: 2739 GC Column: SP1000 ID: _____ Heated Purge: (Y/N) N

Calibration Start Date: 12/07/2021 13:47 Calibration End Date: 12/07/2021 15:02 Calibration ID: 33721

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-202429/3	272021_12_7.0010.D
Level 2	IC 410-202429/4	272021_12_7.0011.D
Level 3	ICRT 410-202429/5	272021_12_7.0012.D
Level 4	IC 410-202429/6	272021_12_7.0013.D
Level 5	IC 410-202429/7	272021_12_7.0014.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Methanol	Ave	7770834	19019281	38687506	77107291	154492699	1003	2507	5014	10028	20056
Ethanol	Ave	11092191	27293233	56170835	113704687	227401571	1000	2501	5002	10004	20008
Isopropanol	Ave	11812503	29135938	61052086	122177083	244459387	1002	2505	5010	10020	20040
1-Propanol	Ave	14225525	34521392	72604164	146766672	294665638	1014	2535	5070	10139	20278
Acetone	Ave	12063017	31380215	58906771	116388026	229228140	1002	2504	5008	10016	20032

Curve Type Legend

Ave = Average

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0010.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 07-Dec-2021 13:47:00 ALS Bottle#: 0 Worklist Smp#: 3
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045751-003
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Dec-2021 08:28:24 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 08-Dec-2021 06:07:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol

1	0.337	0.337	0.000	3204687	1002.8	1070.8	
2	0.717	0.710	0.007	7770834	1002.8	1010.7	
RPD = 5.78							

2 Ethanol

1	0.437	0.437	0.000	4677605	1000.4	1119.7	M
2	1.630	1.620	0.010	11092191	1000.4	991.0	M
RPD = 12.19							

3 Isopropyl alcohol

1	0.537	0.537	0.000	4157292	1002.0	974.7	M
2	2.897	2.890	0.007	11812503	1002.0	984.4	M
RPD = 0.99							

4 Propanol

1	0.720	0.723	-0.003	8590627	1013.9	1313.4	M
2	3.437	3.433	0.004	14225525	1013.9	1002.1	M
RPD = 26.89							

\$ 5 Acetone

1	0.957	0.957	0.000	4307290	1001.6	1044.3	M
2	2.590	2.583	0.007	12063017	1001.6	1015.4	M
RPD = 2.81							

6 Isobutyl alcohol

1	1.107	1.107	0.000	7454688	1028.8	1164.3	M

7 n-Butanol

1	1.380	1.377	0.003	4524482	1033.8	844.7	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME1_00010

Amount Added: 1.00

Units: mL

Report Date: 08-Dec-2021 08:28:24

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0010.D

Injection Date: 07-Dec-2021 13:47:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: ic

Worklist Smp#:

3

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

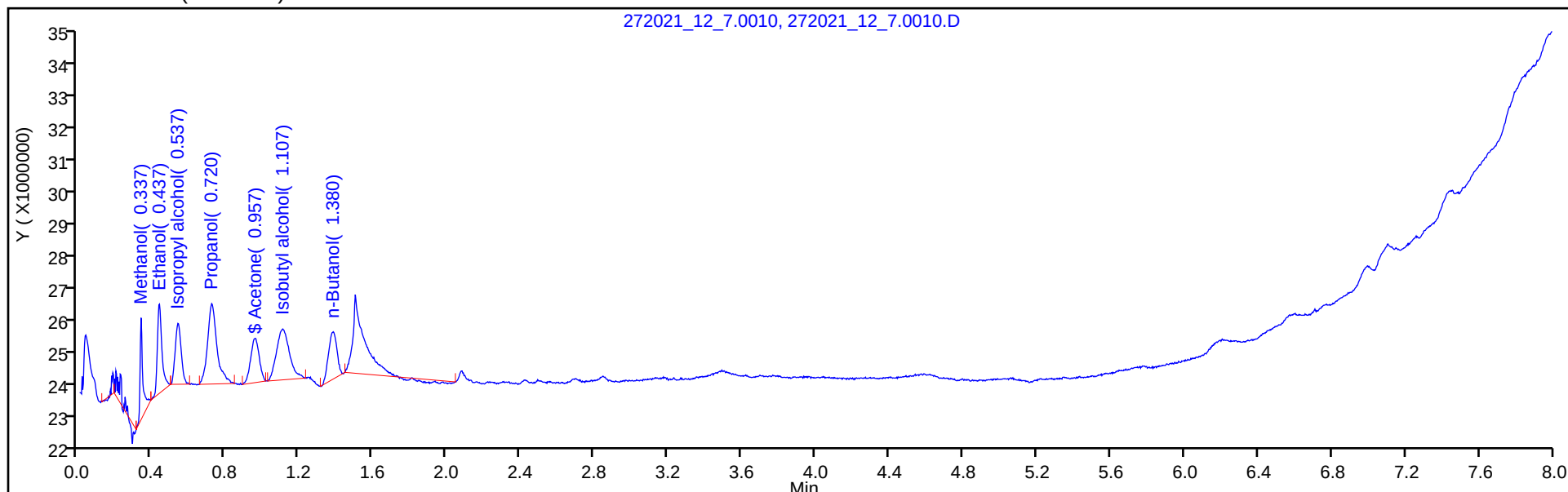
ALS Bottle#:

0

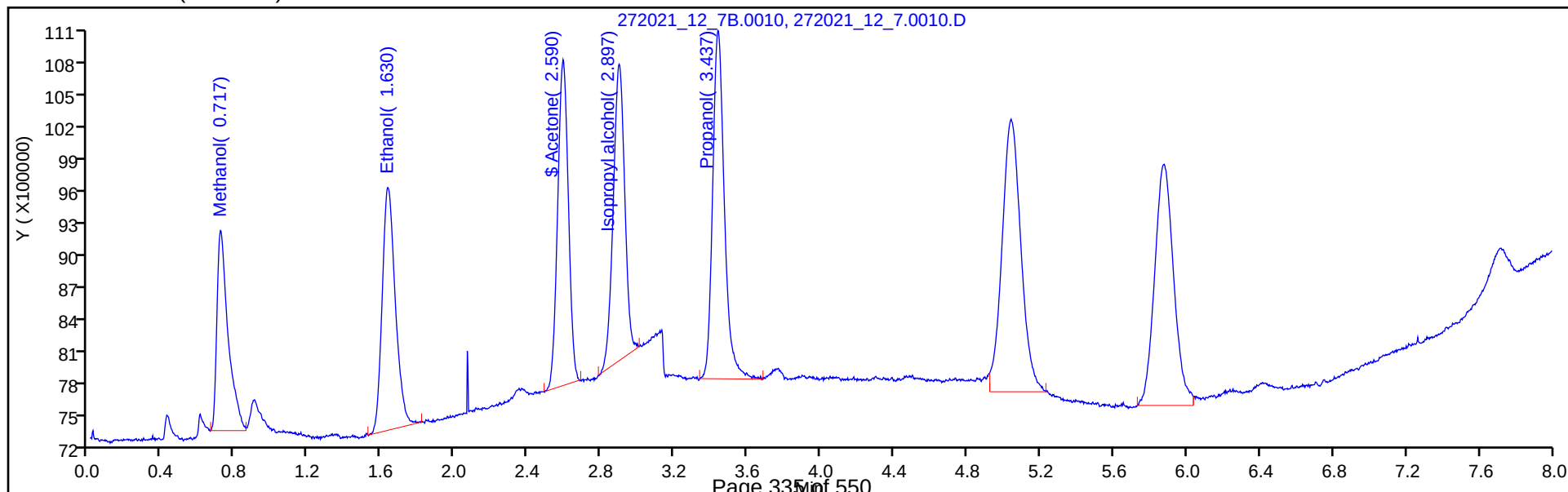
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

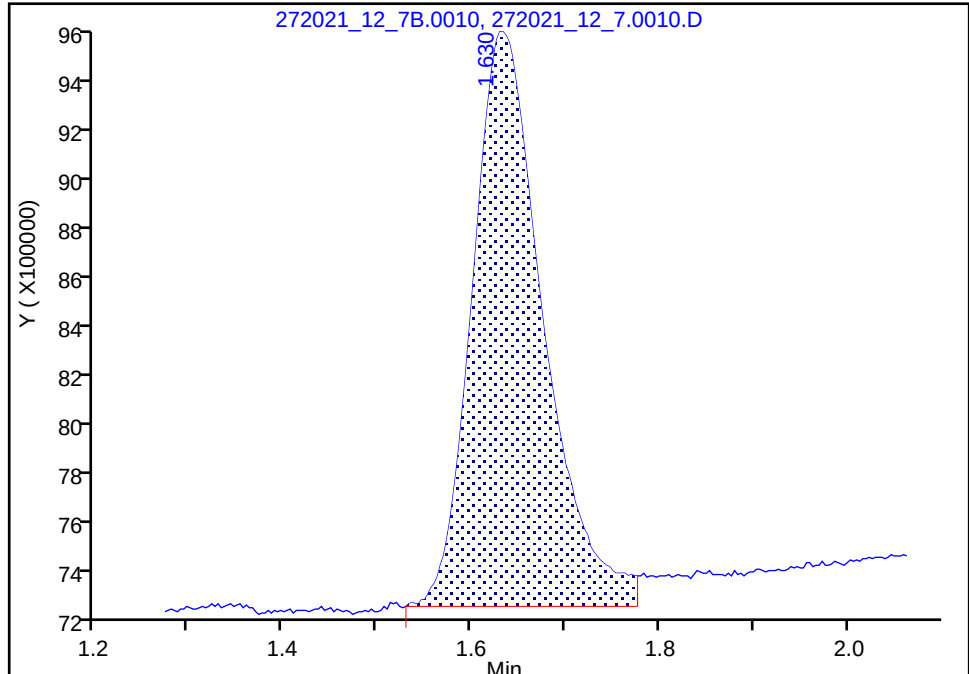
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0010.D
Injection Date: 07-Dec-2021 13:47:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

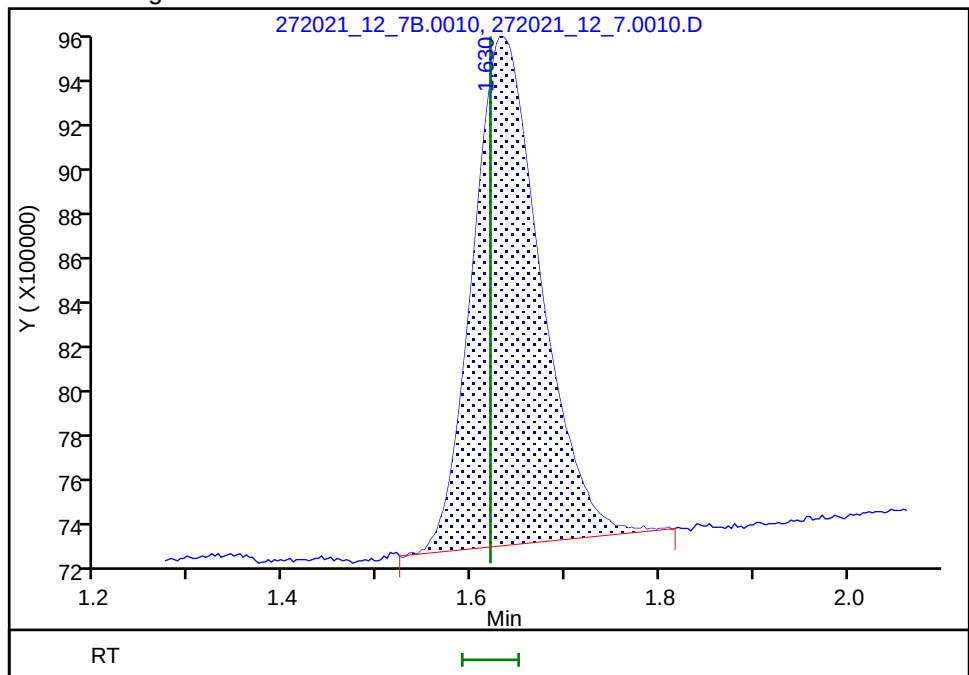
RT: 1.63
Area: 11871880
Amount: 1042.4006
Amount Units: ug/l

Processing Integration Results



RT: 1.63
Area: 11092191
Amount: 991.0500
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:07:00
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 336 of 550

Eurofins Lancaster Laboratories Env, LLC

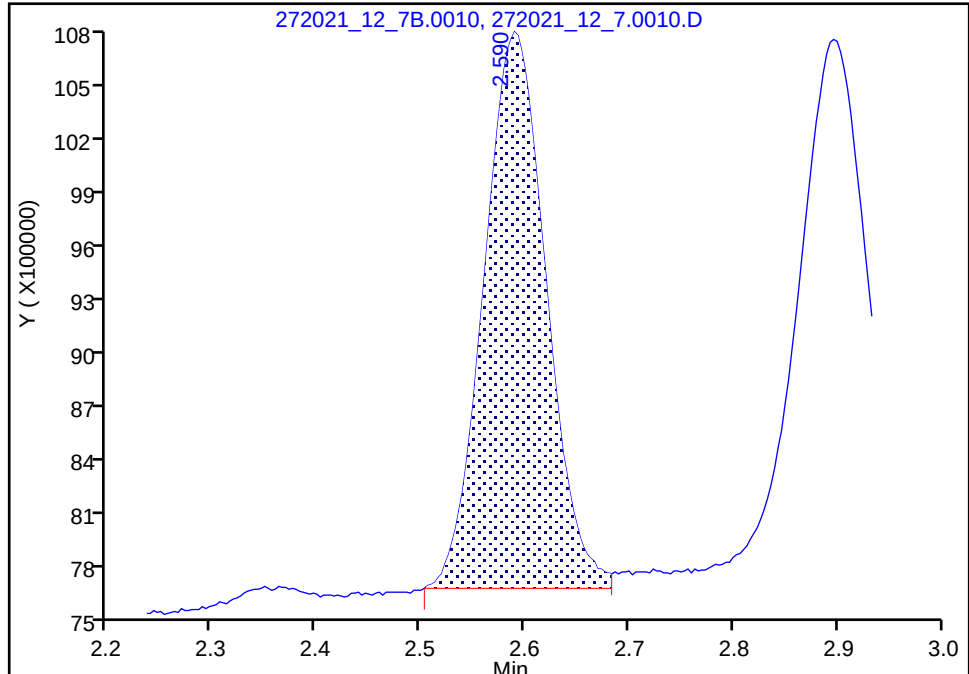
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0010.D
Injection Date: 07-Dec-2021 13:47:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

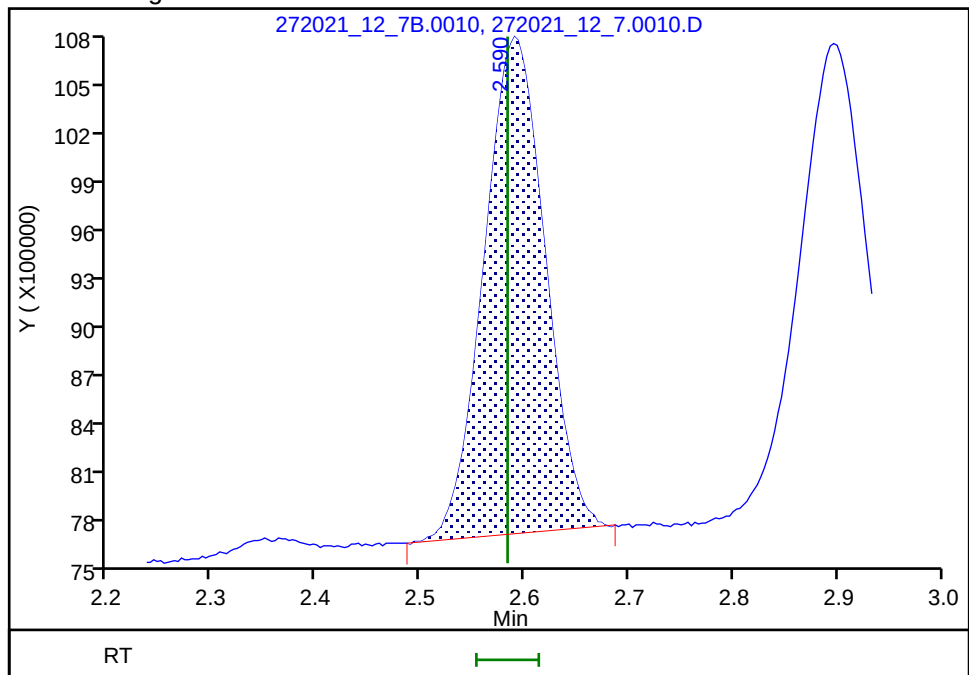
RT: 2.59
Area: 12473959
Amount: 1035.1930
Amount Units: ug/l

Processing Integration Results



RT: 2.59
Area: 12063017
Amount: 1015.3777
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:06:54

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

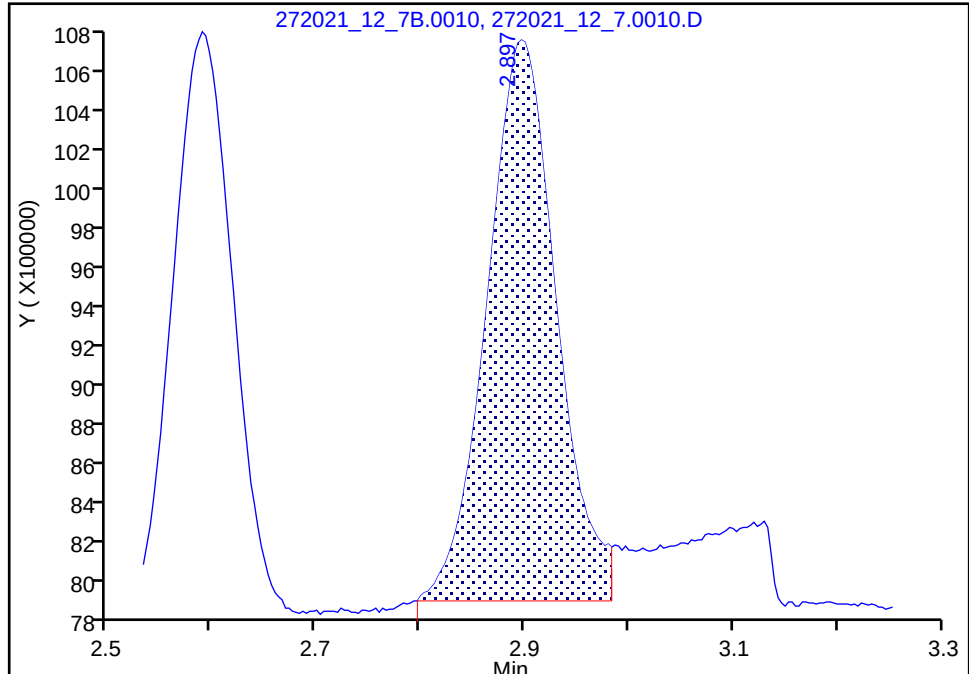
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Injection Date: 07-Dec-2021 13:47:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

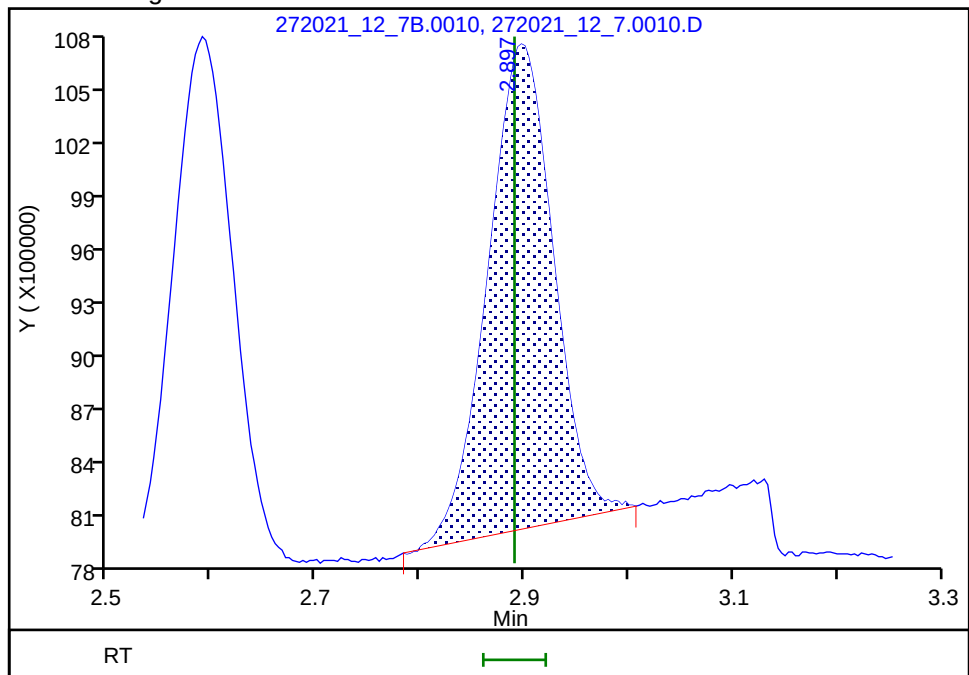
RT: 2.90
Area: 13079167
Amount: 1036.2620
Amount Units: ug/l

Processing Integration Results



RT: 2.90
Area: 11812503
Amount: 984.4084
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:06:57

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

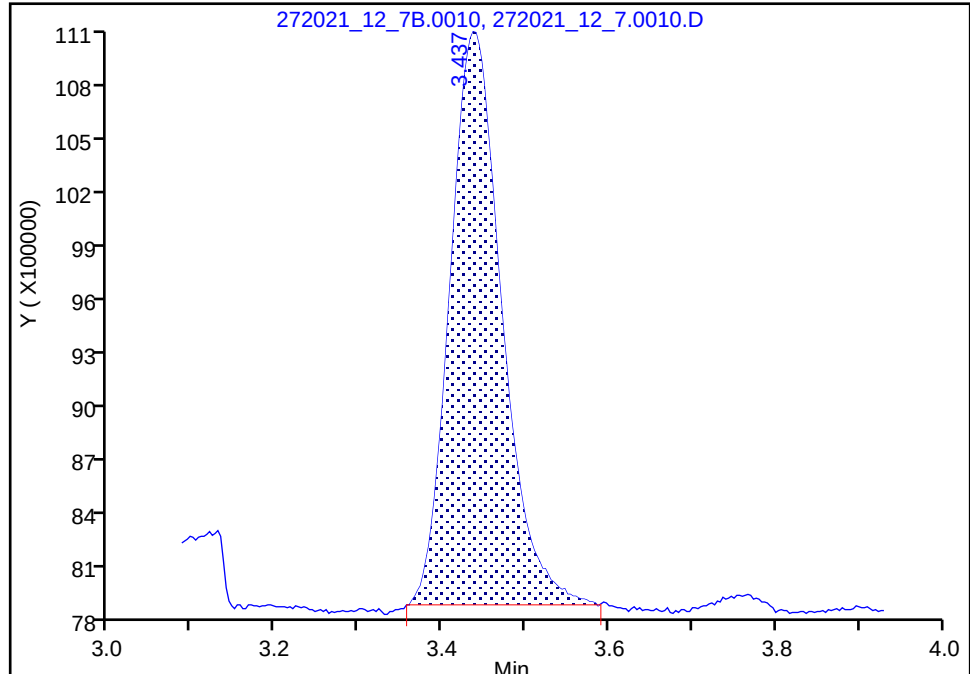
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0010.D
Injection Date: 07-Dec-2021 13:47:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

4 Propanol, CAS: 71-23-8

Signal: 2

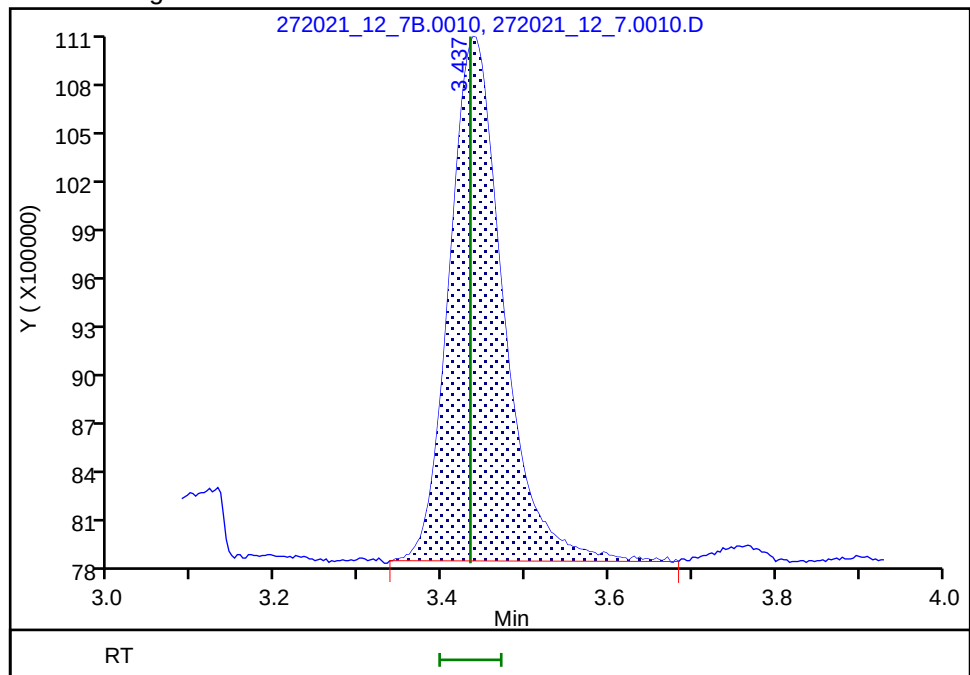
RT: 3.44
Area: 13562496
Amount: 964.5321
Amount Units: ug/l

Processing Integration Results



RT: 3.44
Area: 14225525
Amount: 1002.1092
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:07:08

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0011.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 07-Dec-2021 14:06:00 ALS Bottle#: 0 Worklist Smp#: 4
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045751-004
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Dec-2021 08:28:25 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 08-Dec-2021 06:08:03

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.337	0.337	0.000	7073960	2507.0	2363.8	M
2	0.720	0.710	0.010	19019281	2507.0	2473.6	
RPD = 4.54							
2 Ethanol							M
1	0.433	0.437	-0.004	9927603	2501.0	2376.5	M
2	1.637	1.620	0.017	27293233	2501.0	2438.6	M
RPD = 2.58							
3 Isopropyl alcohol							M
1	0.537	0.537	0.000	10500001	2505.0	2461.8	M
2	2.900	2.890	0.010	29135938	2505.0	2428.1	M
RPD = 1.38							
4 Propanol							M
1	0.720	0.723	-0.003	16484377	2534.8	2520.3	M
2	3.440	3.433	0.007	34521392	2534.8	2431.8	M
RPD = 3.57							
\$ 5 Acetone							M
1	0.953	0.957	-0.004	10631771	2504.0	2577.7	
2	2.593	2.583	0.010	31380215	2504.0	2641.4	M
RPD = 2.44							
6 Isobutyl alcohol							M
1	1.107	1.107	0.000	15769796	2572.1	2462.9	M
7 n-Butanol							
1	1.377	1.377	0.000	12894274	2584.5	2407.4	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME2_00009

Amount Added: 1.00

Units: mL

Report Date: 08-Dec-2021 08:28:25

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Euofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0011.D

Injection Date: 07-Dec-2021 14:06:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 4

Client ID:

Purge Vol: 1.000 uL

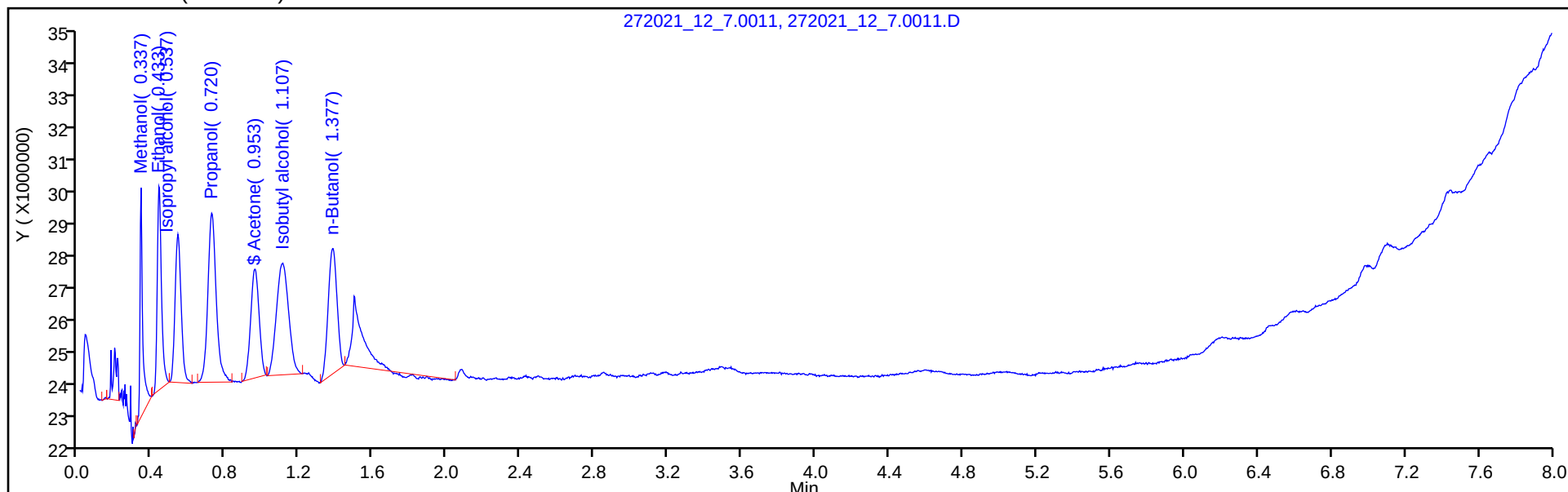
Dil. Factor: 1.0000

ALS Bottle#: 0

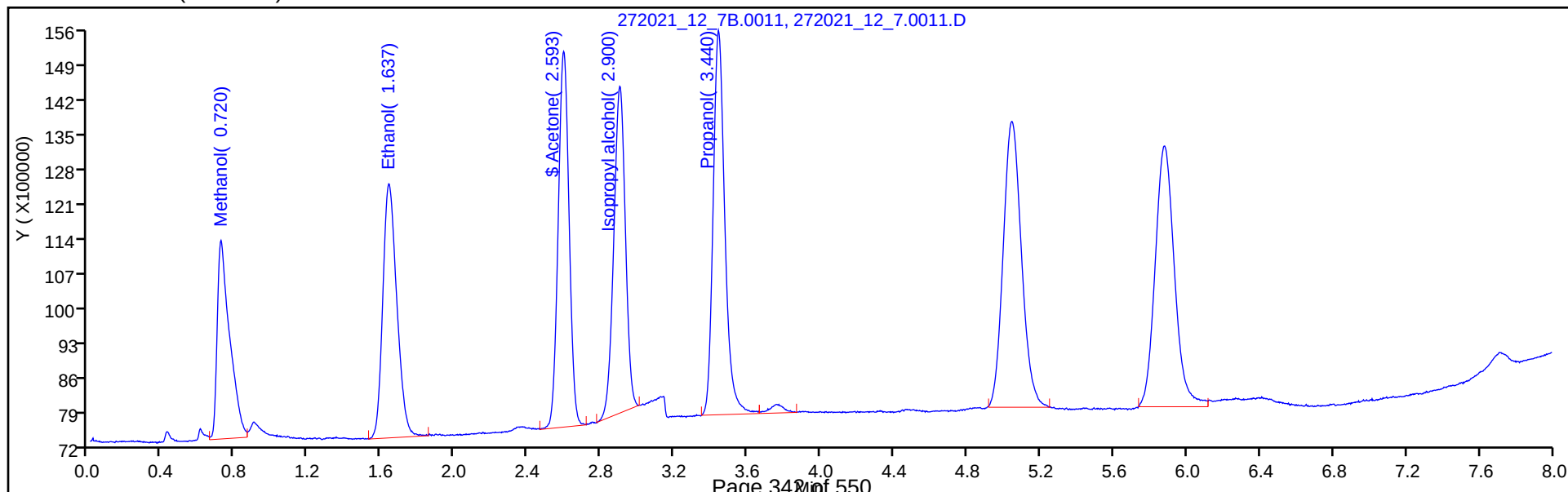
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0011.D

Injection Date: 07-Dec-2021 14:06:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 4

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: SP1000 (0.00 mm)

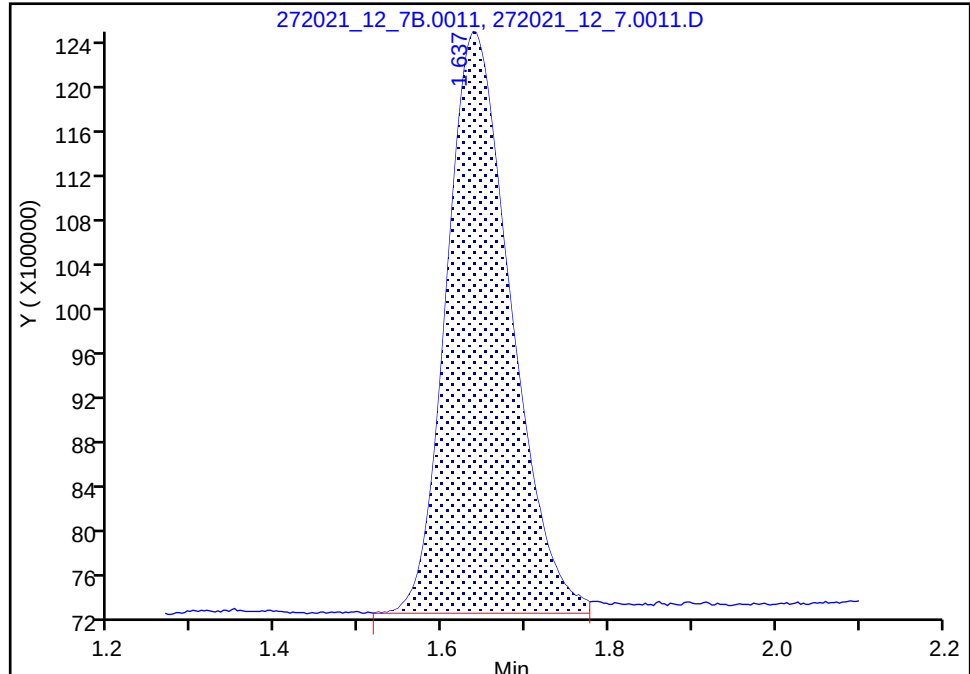
Detector 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

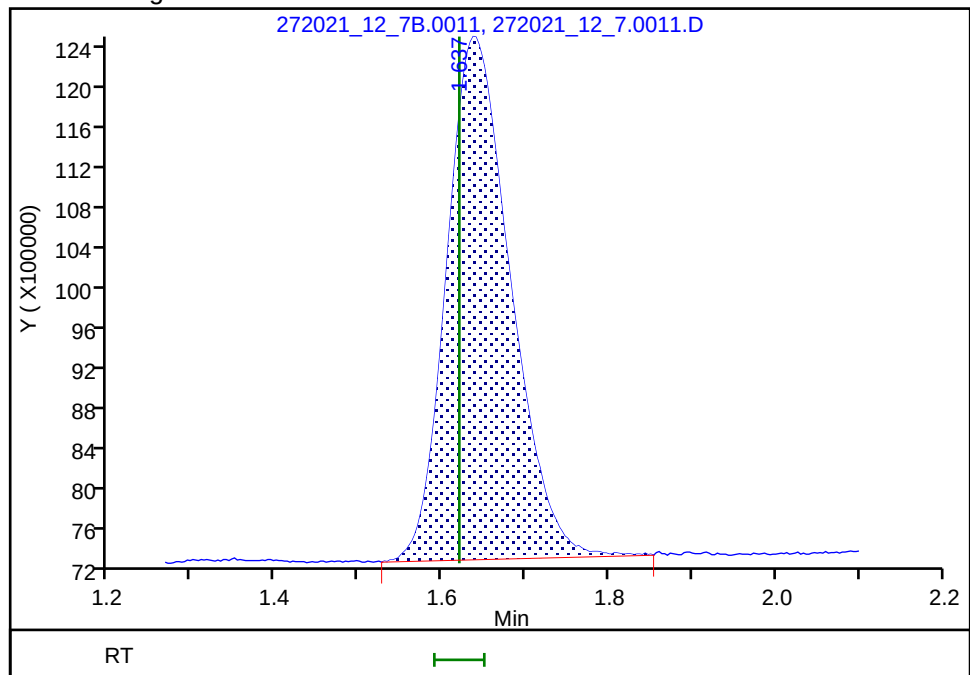
RT: 1.64
Area: 27579166
Amount: 2455.1686
Amount Units: ug/l

Processing Integration Results



RT: 1.64
Area: 27293233
Amount: 2438.5587
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:15:06

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

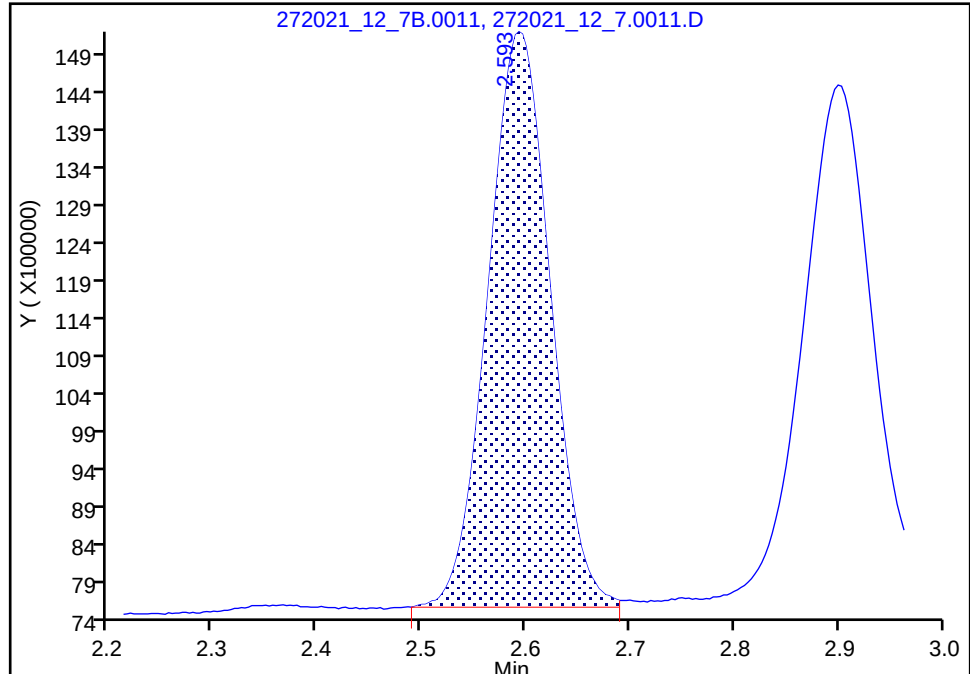
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0011.D
Injection Date: 07-Dec-2021 14:06:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

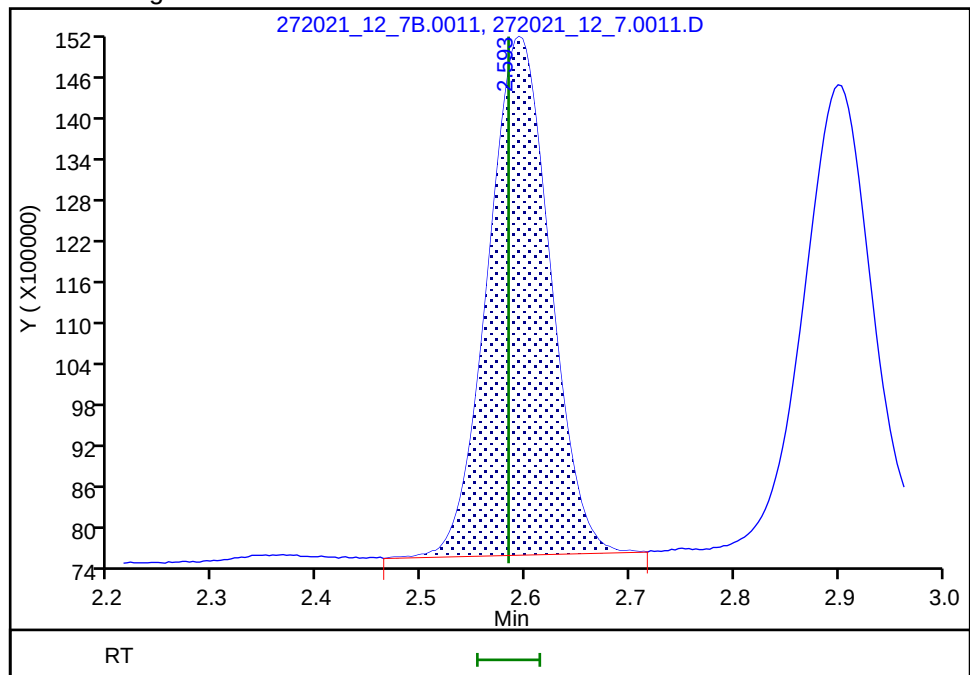
RT: 2.59
Area: 31584376
Amount: 2639.1063
Amount Units: ug/l

Processing Integration Results



RT: 2.59
Area: 31380215
Amount: 2641.3600
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:14:51

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0011.D

Injection Date: 07-Dec-2021 14:06:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 4

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: SP1000 (0.00 mm)

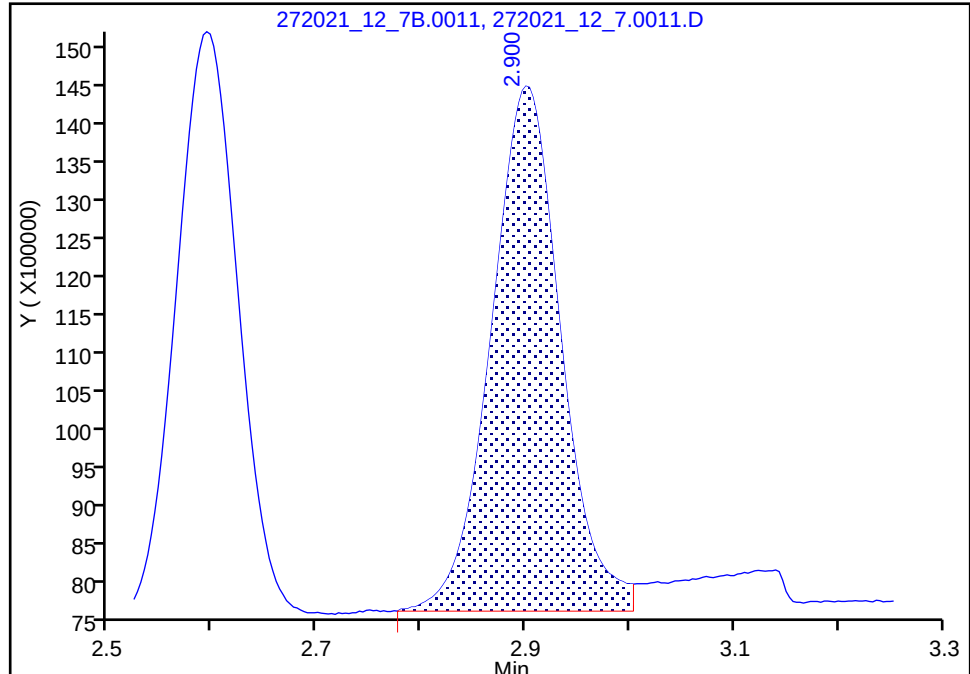
Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

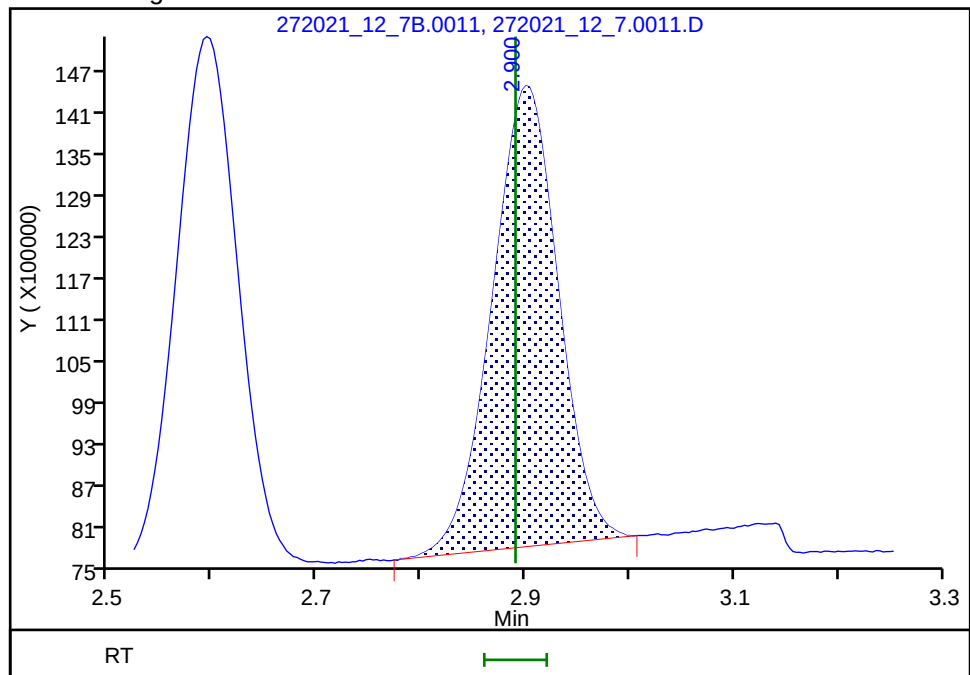
RT: 2.90
Area: 31615626
Amount: 2556.1077
Amount Units: ug/l

Processing Integration Results



RT: 2.90
Area: 29135938
Amount: 2428.0767
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:14:56

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0011.D

Injection Date: 07-Dec-2021 14:06:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 4

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: SP1000 (0.00 mm)

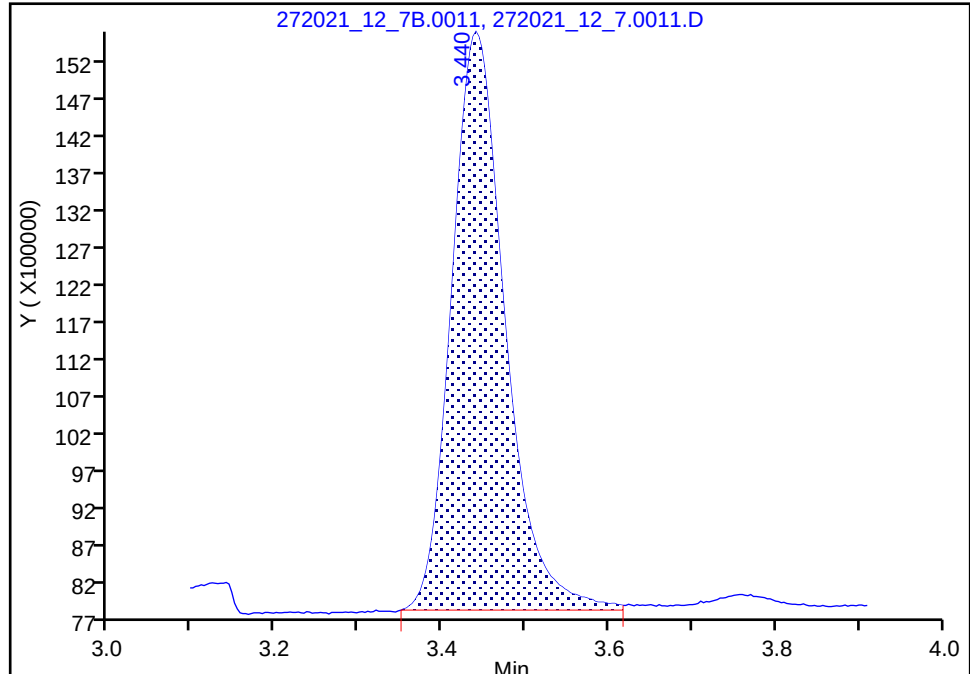
Detector 1FIDB

4 Propanol, CAS: 71-23-8

Signal: 2

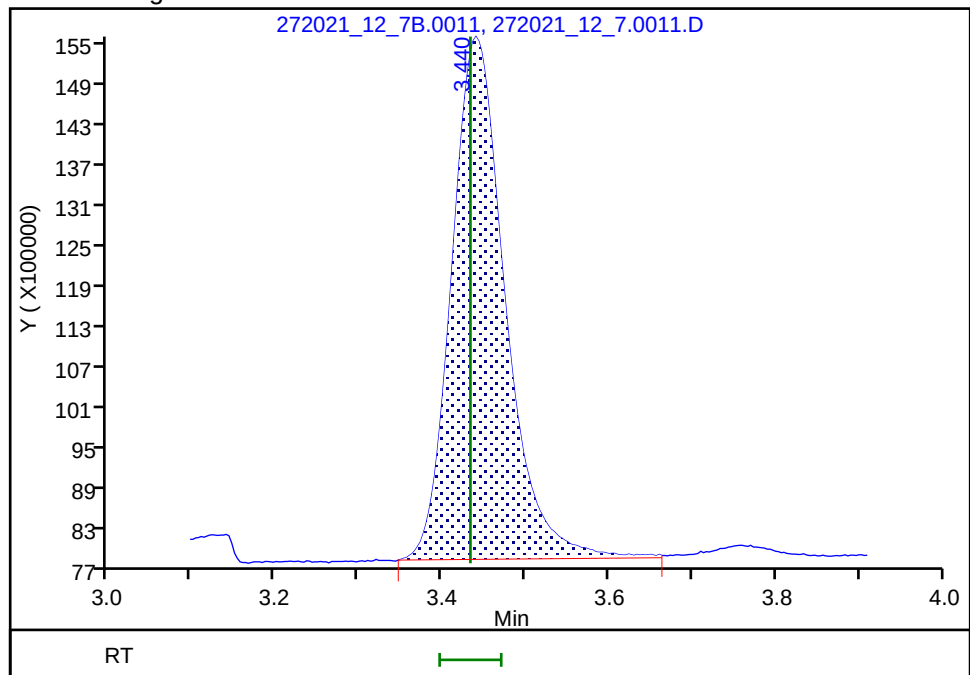
RT: 3.44
Area: 34476048
Amount: 2429.2584
Amount Units: ug/l

Processing Integration Results



RT: 3.44
Area: 34521392
Amount: 2431.8404
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:15:17

Audit Action: Split an Integrated Peak

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0012.D
 Lims ID: icrt
 Client ID:
 Sample Type: ICRT Calib Level: 3
 Inject. Date: 07-Dec-2021 14:24:00 ALS Bottle#: 0 Worklist Smp#: 5
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: icrt
 Misc. Info.: 410-0045751-005
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Dec-2021 08:28:26 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 08-Dec-2021 06:03:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							M
1	0.337	0.337	0.000	15201041	5014.0	5079.4	M
2	0.710	0.710	0.000	38687506	5014.0	5031.7	
RPD = 0.94							
2 Ethanol							M
1	0.437	0.437	0.000	20956771	5002.0	5016.6	
2	1.620	1.620	0.000	56170835	5002.0	5018.7	M
RPD = 0.04							
3 Isopropyl alcohol							M
1	0.537	0.537	0.000	21902082	5010.0	5135.2	M
2	2.890	2.890	0.000	61052086	5010.0	5087.8	M
RPD = 0.93							
4 Propanol							M
1	0.723	0.723	0.000	31179172	5069.5	4767.0	M
2	3.433	3.433	0.000	72604164	5069.5	5114.6	
RPD = 7.03							
\$ 5 Acetone							M
1	0.957	0.957	0.000	20566147	5008.0	4986.4	
2	2.583	2.583	0.000	58906771	5008.0	4958.3	M
RPD = 0.56							
6 Isobutyl alcohol							M
1	1.107	1.107	0.000	32589580	5144.2	5089.8	M
7 n-Butanol							
1	1.377	1.377	0.000	28872395	5169.0	5390.5	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME3_00028

Amount Added: 1.00

Units: mL

Report Date: 08-Dec-2021 08:28:26

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0012.D

Injection Date: 07-Dec-2021 14:24:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: icrt

Worklist Smp#: 5

Client ID:

Purge Vol: 1.000 uL

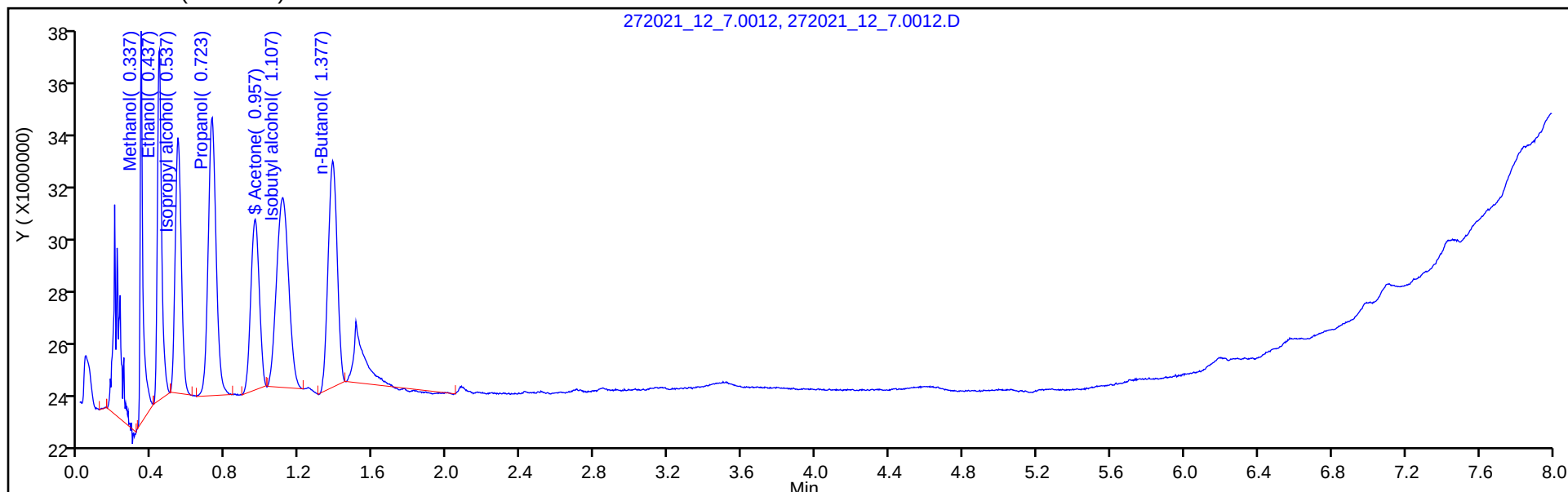
Dil. Factor: 1.0000

ALS Bottle#: 0

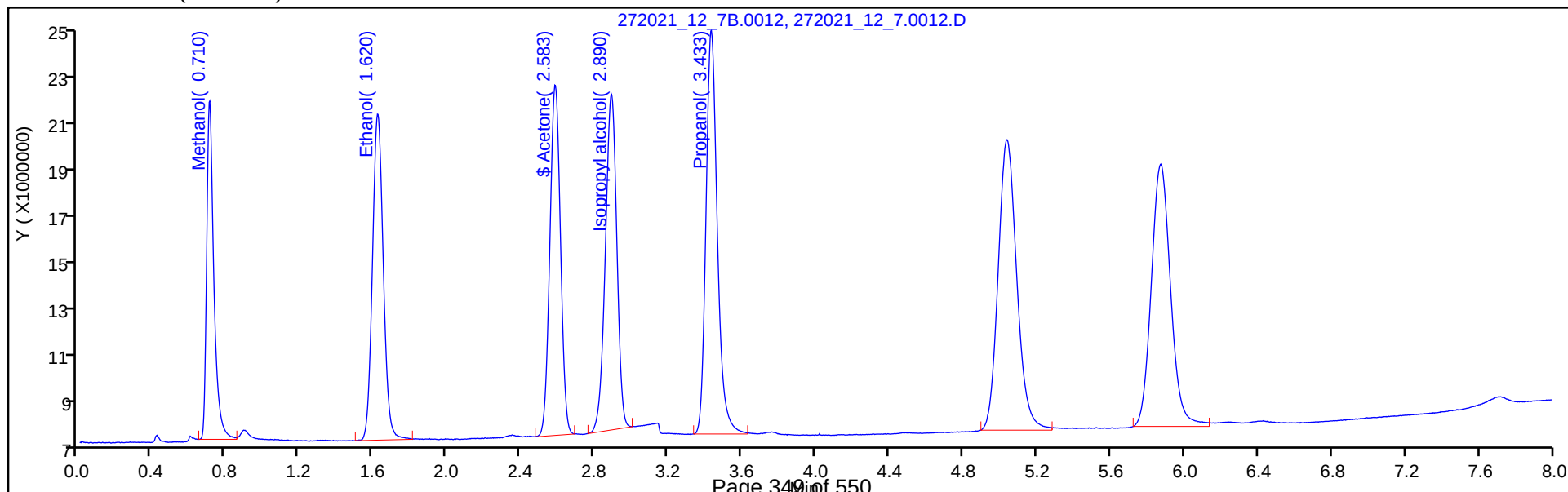
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

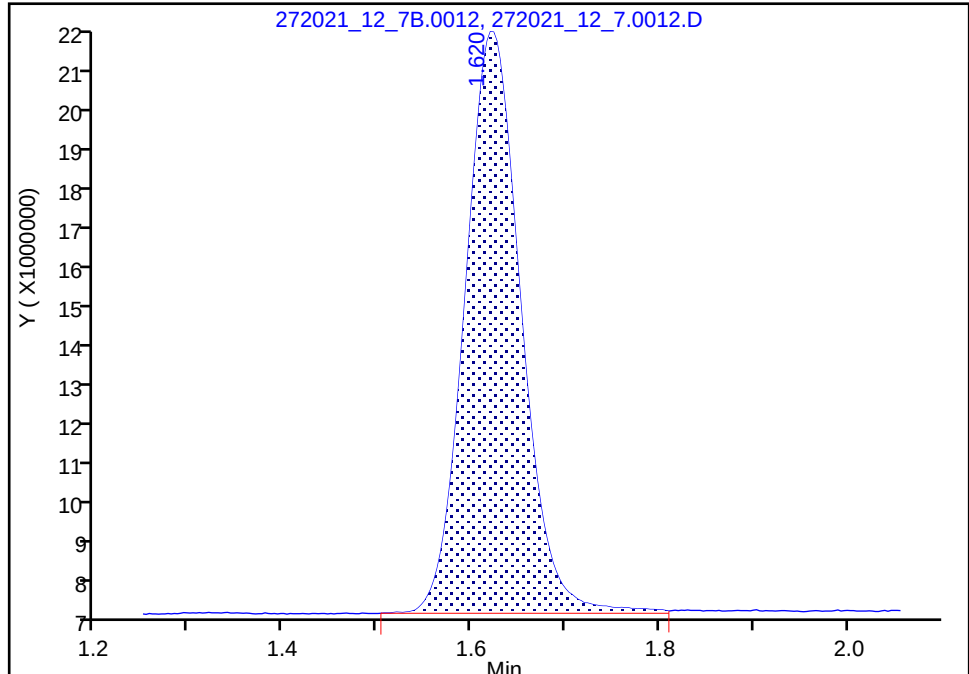
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0012.D
Injection Date: 07-Dec-2021 14:24:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

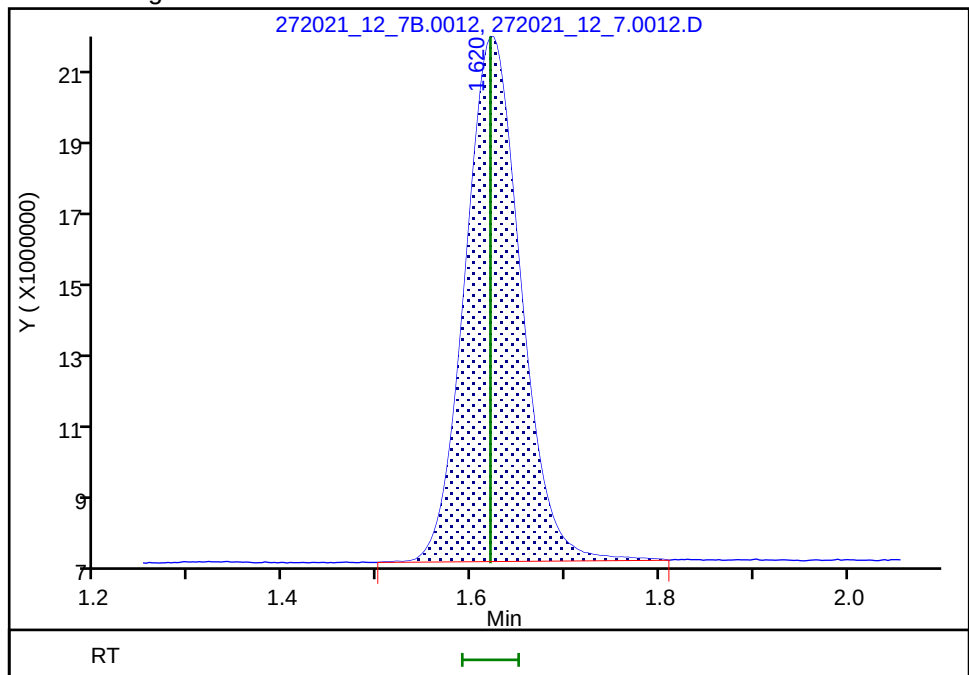
RT: 1.62
Area: 56612502
Amount: 5050.0708
Amount Units: ug/l

Processing Integration Results



RT: 1.62
Area: 56170835
Amount: 5018.6753
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:15:44

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

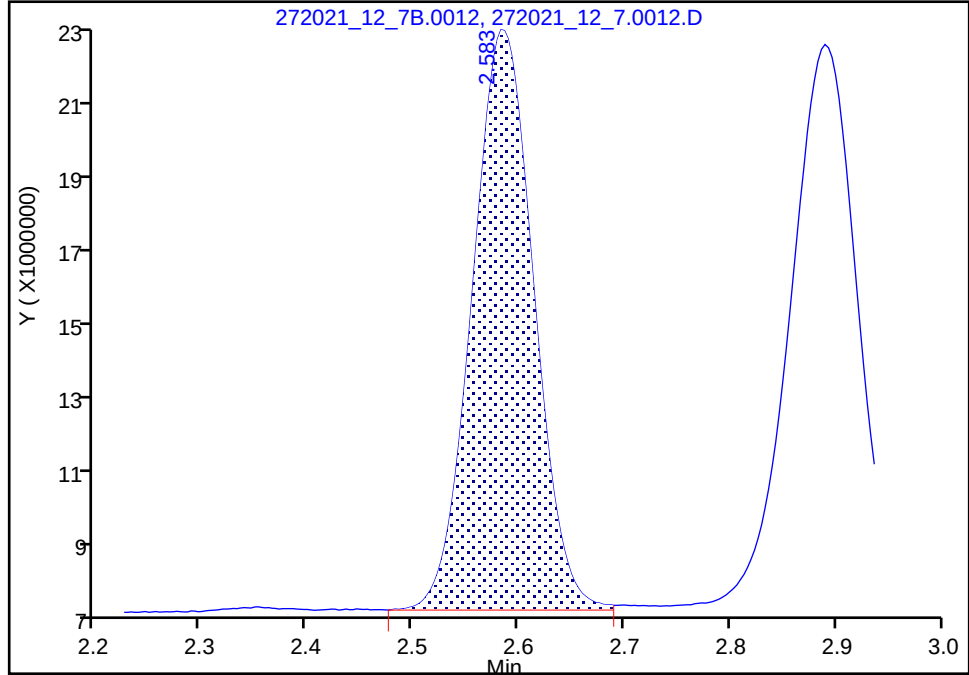
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0012.D
Injection Date: 07-Dec-2021 14:24:00 Instrument ID: 2739
Lims ID: icrt
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

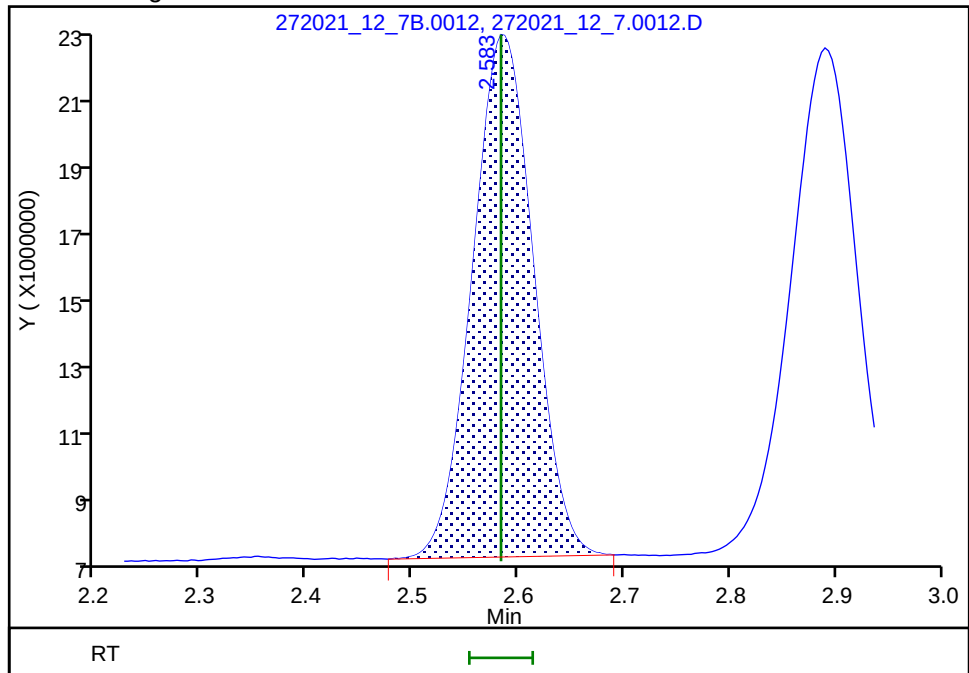
RT: 2.58
Area: 59685419
Amount: 4993.9590
Amount Units: ug/l

Processing Integration Results



RT: 2.58
Area: 58906771
Amount: 4958.3468
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:15:32
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 351 of 550

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0012.D

Injection Date: 07-Dec-2021 14:24:00

Instrument ID: 2739

Lims ID: icrt

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 5

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: SP1000 (0.00 mm)

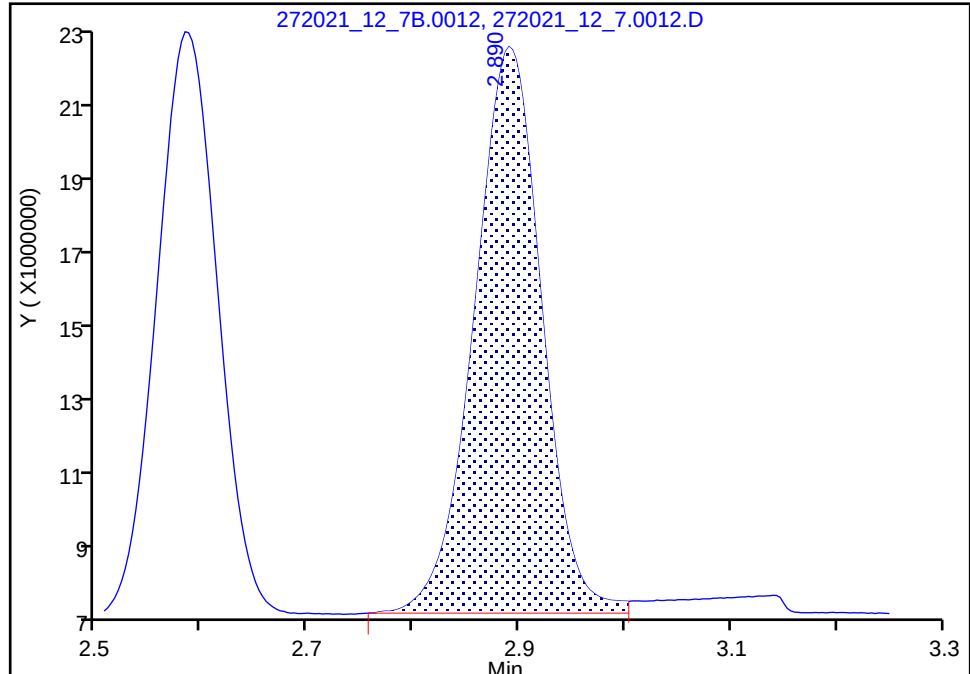
Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

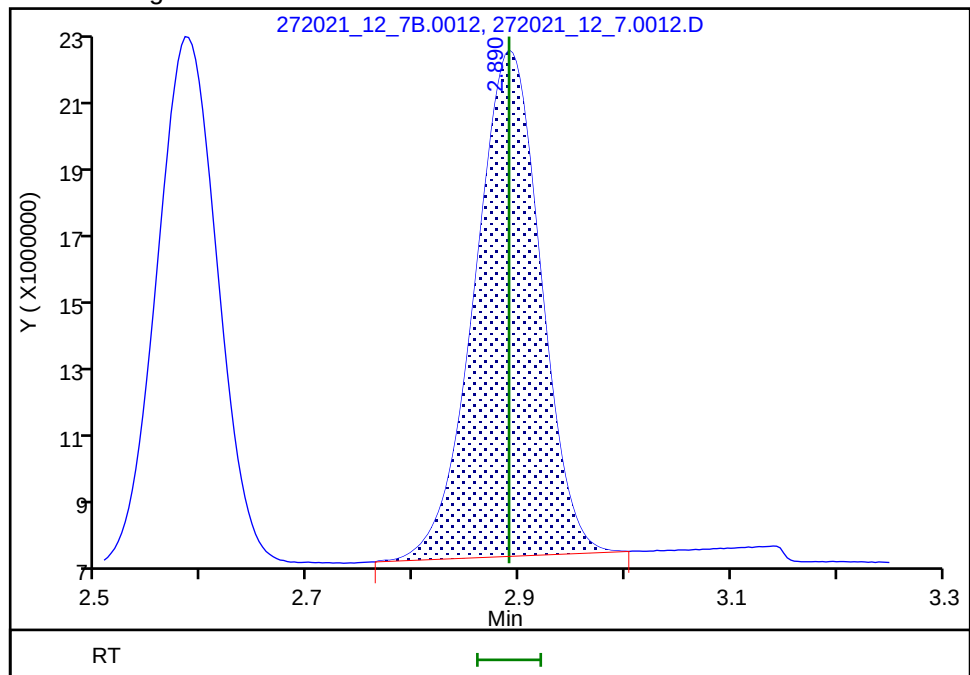
RT: 2.89
Area: 63258341
Amount: 5114.4055
Amount Units: ug/l

Processing Integration Results



RT: 2.89
Area: 61052086
Amount: 5087.8454
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:15:37

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0013.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 07-Dec-2021 14:43:00 ALS Bottle#: 0 Worklist Smp#: 6
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045751-006
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Dec-2021 08:28:27 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 08-Dec-2021 06:14:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol

1	0.337	0.337	0.000	29769794	10028	9947.6	
2	0.707	0.710	-0.003	77107291	10028	10029	
RPD = 0.81							

2 Ethanol

1	0.437	0.437	0.000	40180213	10004	9618.3	M
2	1.623	1.620	0.003	113704687	10004	10159	M
RPD = 5.47							

3 Isopropyl alcohol

1	0.537	0.537	0.000	42865110	10020	10050	
2	2.890	2.890	0.000	122177083	10020	10182	M
RPD = 1.30							

4 Propanol

1	0.723	0.723	0.000	59585829	10139	9110.1	
2	3.433	3.433	0.000	146766672	10139	10339	
RPD = 12.64							

\$ 5 Acetone

1	0.957	0.957	0.000	39866668	10016	9665.9	
2	2.587	2.583	0.004	116388026	10016	9796.7	M
RPD = 1.34							

6 Isobutyl alcohol

1	1.107	1.107	0.000	63438546	10288	9907.8	M

7 n-Butanol

1	1.380	1.377	0.003	60381773	10338	11273	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME4_00009

Amount Added: 1.00

Units: mL

Report Date: 08-Dec-2021 08:28:27

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Euofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0013.D

Injection Date: 07-Dec-2021 14:43:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 1.000 uL

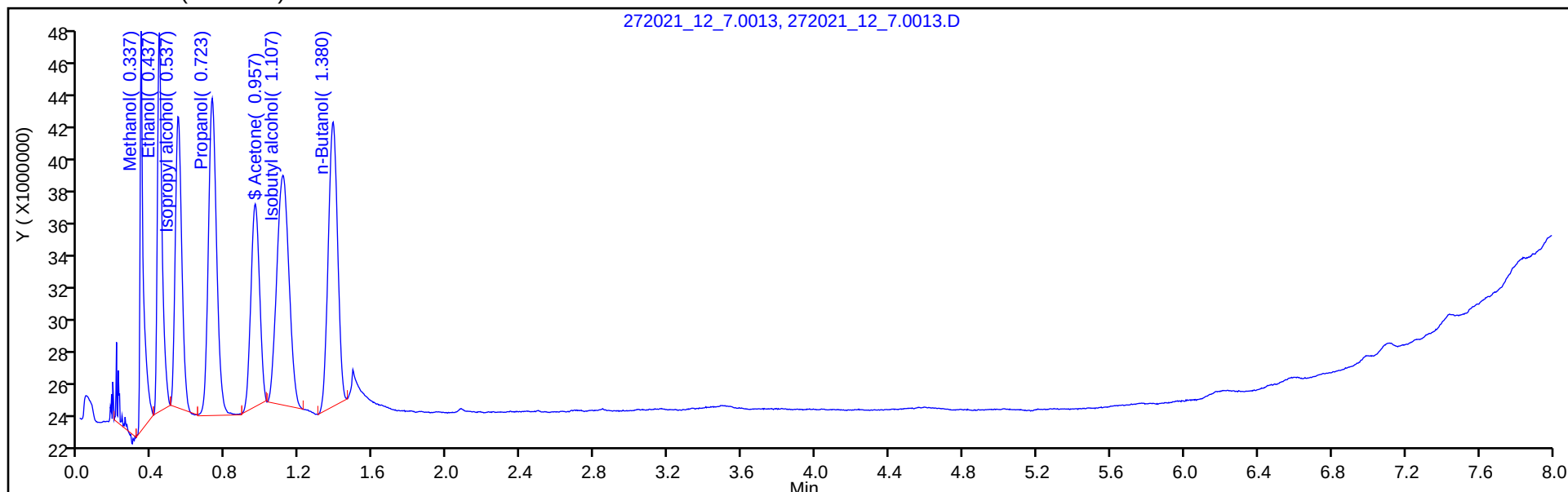
Dil. Factor: 1.0000

ALS Bottle#: 0

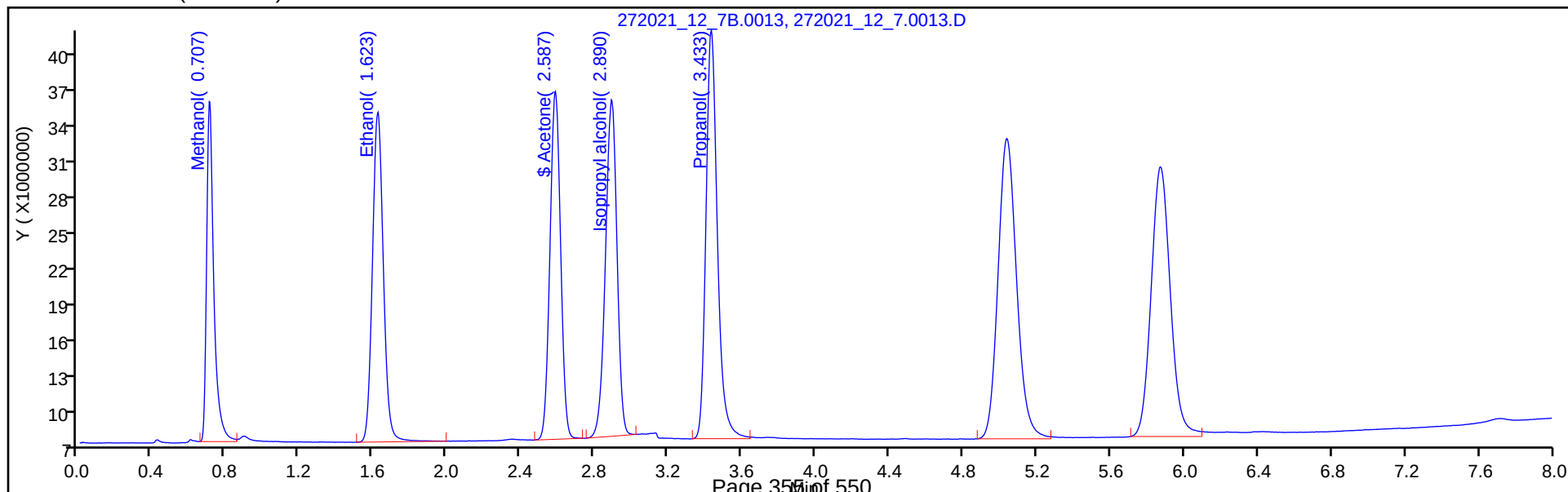
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

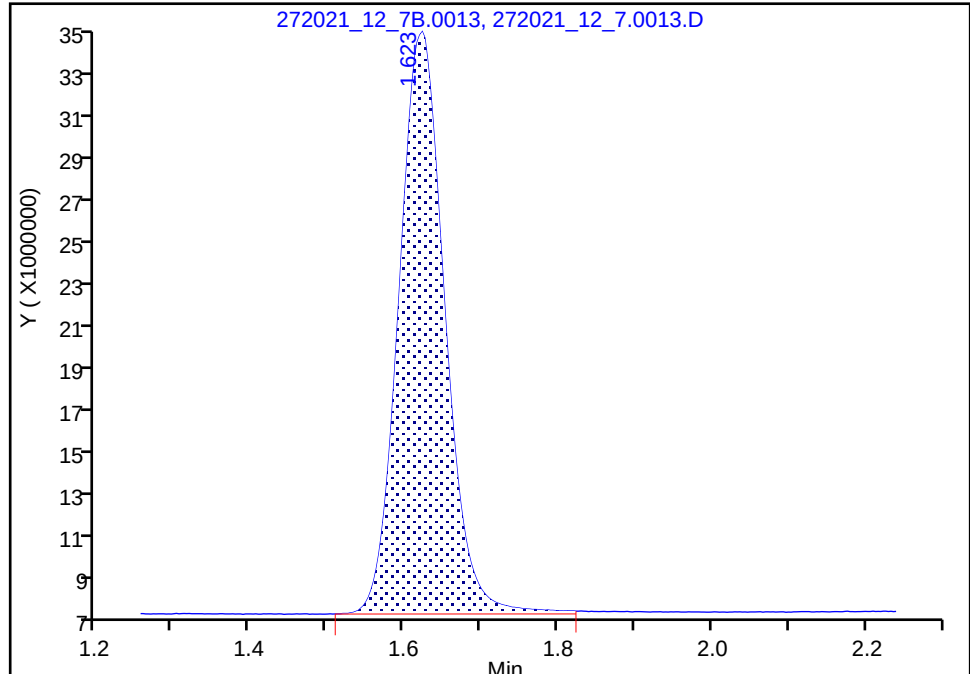
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0013.D
Injection Date: 07-Dec-2021 14:43:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

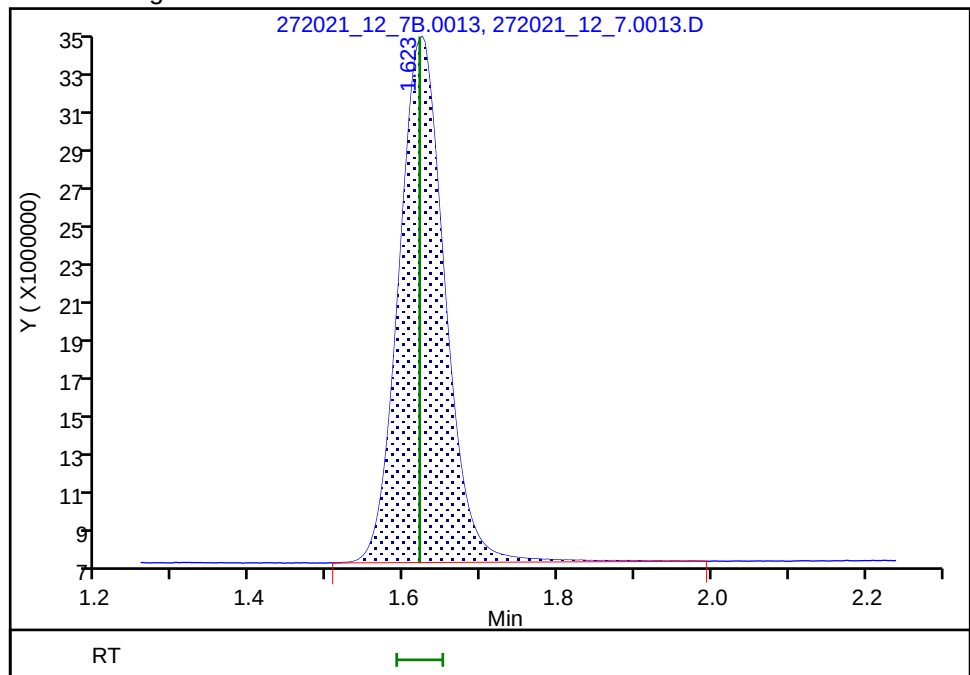
RT: 1.62
Area: 113834026
Amount: 10170
Amount Units: ug/l

Processing Integration Results



RT: 1.62
Area: 113704687
Amount: 10159
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:16:11
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0013.D

Injection Date: 07-Dec-2021 14:43:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 6

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: SP1000 (0.00 mm)

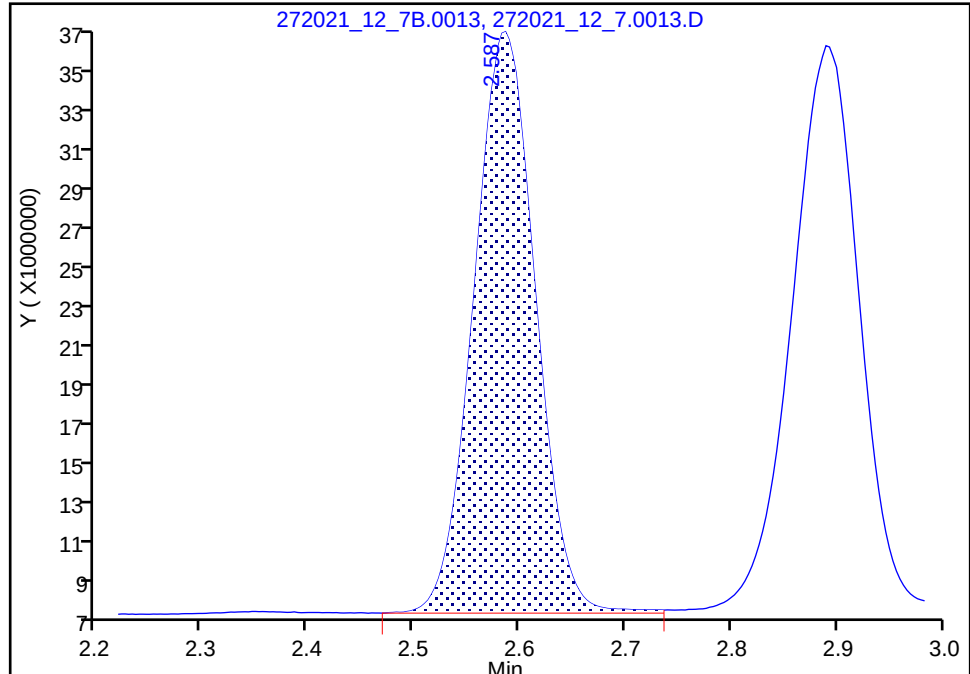
Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

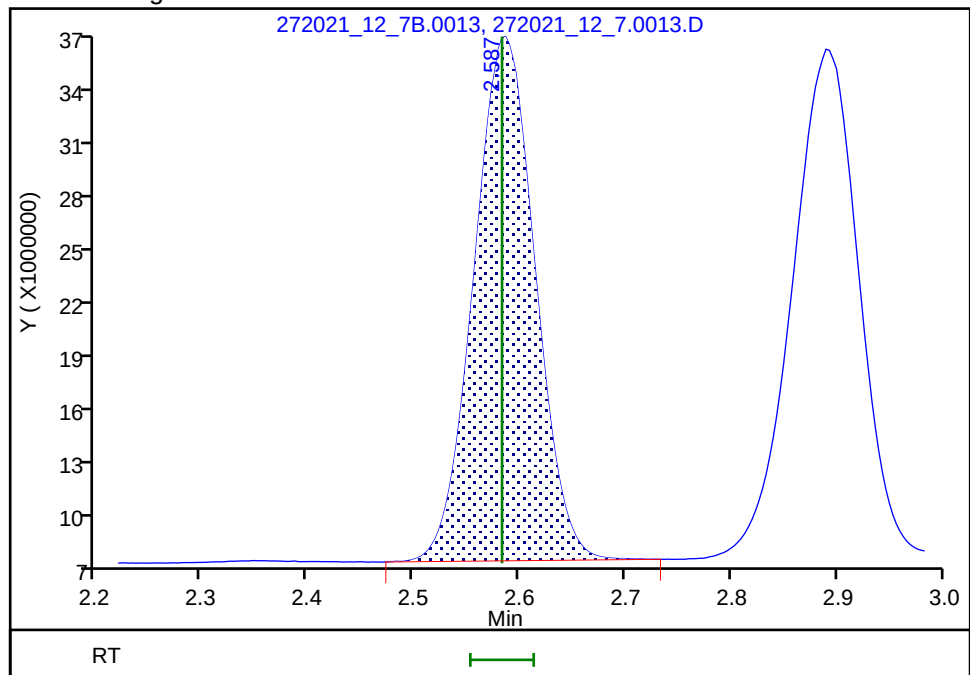
RT: 2.59
Area: 117693760
Amount: 9873.2835
Amount Units: ug/l

Processing Integration Results



RT: 2.59
Area: 116388026
Amount: 9796.7040
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:16:05

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0013.D

Injection Date: 07-Dec-2021 14:43:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 6

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: SP1000 (0.00 mm)

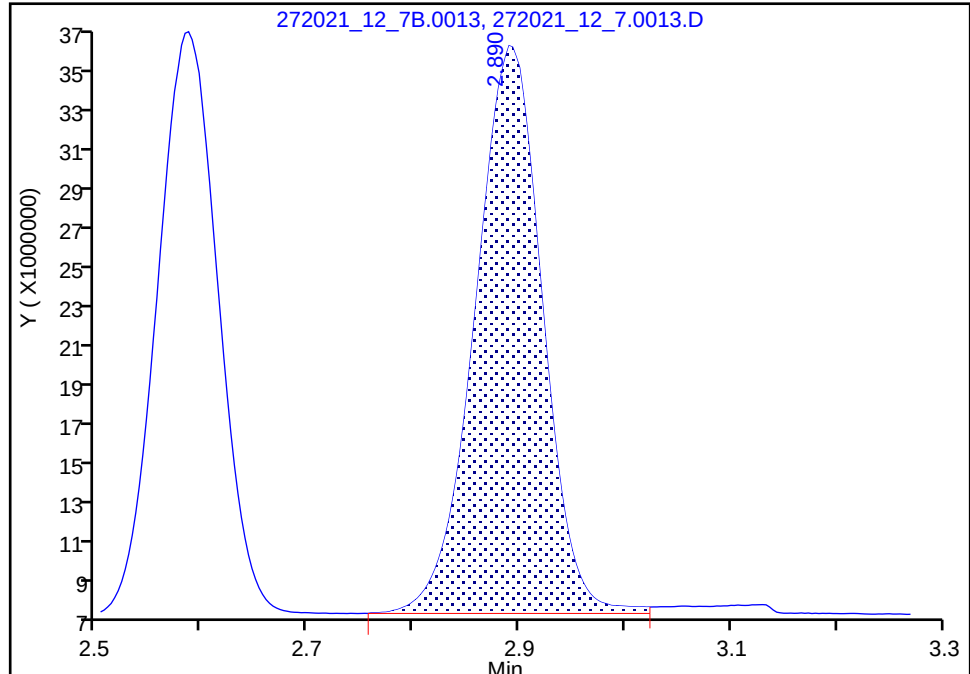
Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

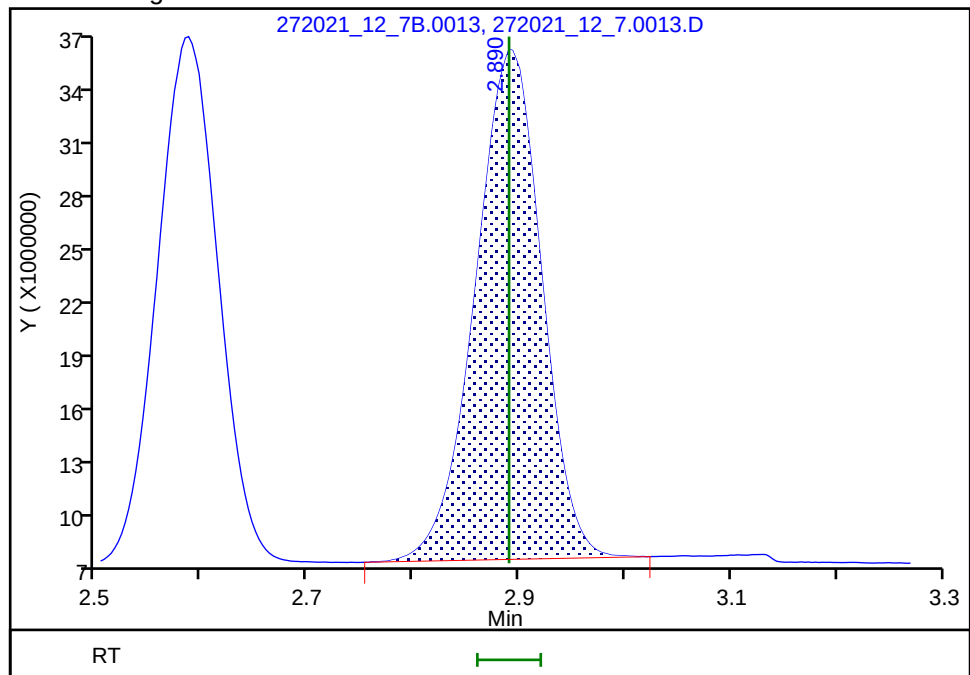
RT: 2.89
Area: 124823969
Amount: 10331
Amount Units: ug/l

Processing Integration Results



RT: 2.89
Area: 122177083
Amount: 10182
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:16:01

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 07-Dec-2021 15:02:00 ALS Bottle#: 0 Worklist Smp#: 7
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ic
 Misc. Info.: 410-0045751-007
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Dec-2021 08:28:28 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 08-Dec-2021 06:05:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol

1	0.337	0.337	0.000	59075523	20056	19740	
2	0.707	0.710	-0.003	154492699	20056	20093	
RPD = 1.77							

2 Ethanol

1	0.437	0.437	0.000	80752608	20008	19331	M
2	1.620	1.620	0.000	227401571	20008	20318	M
RPD = 4.98							

3 Isopropyl alcohol

1	0.540	0.537	0.003	86880213	20040	20370	Ma
2	2.890	2.890	0.000	244459387	20040	20372	M
RPD = 0.01							

4 Propanol

1	0.723	0.723	0.000	115581250	20278	17671	
2	3.433	3.433	0.000	294665638	20278	20758	
RPD = 16.06							

\$ 5 Acetone

1	0.957	0.957	0.000	79908854	20032	19374	Ma
2	2.587	2.583	0.004	229228140	20032	19295	M
RPD = 0.41							

6 Isobutyl alcohol

1	1.107	1.107	0.000	126261465	20577	19719	Ma

7 n-Butanol

1	1.380	1.377	0.003	123823963	20676	23118	Ma

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

EPH_LLME5_00009

Amount Added: 1.00

Units: ml

Report Date: 08-Dec-2021 08:28:28

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D

Injection Date: 07-Dec-2021 15:02:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: ic

Worklist Smp#: 7

Client ID:

Purge Vol: 1.000 uL

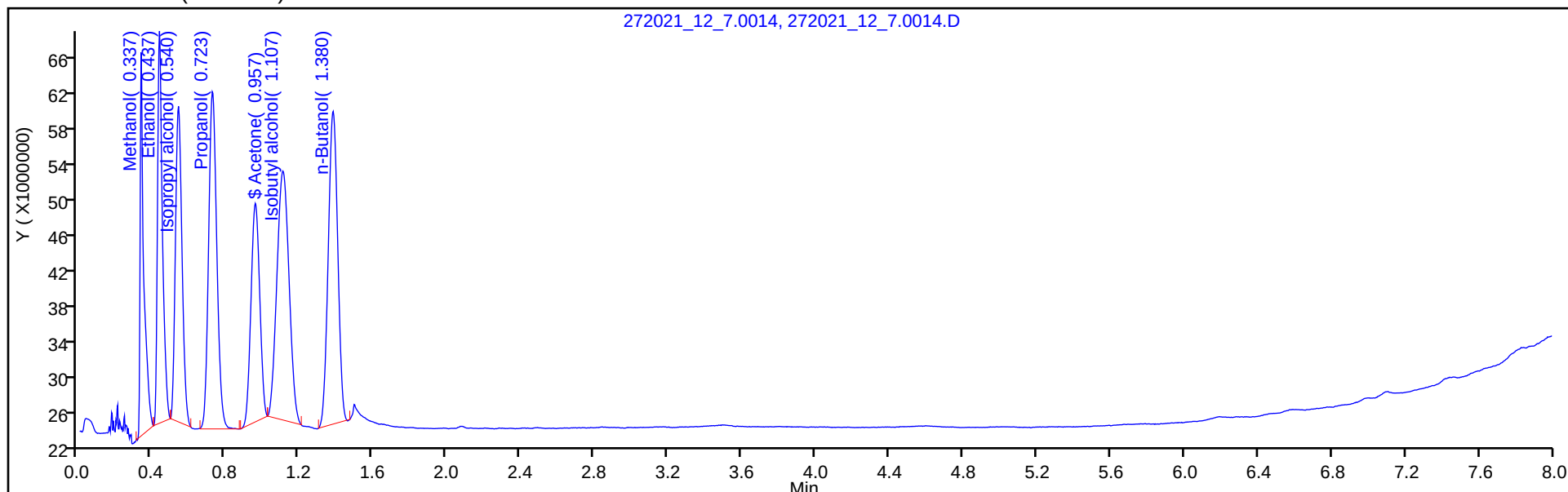
Dil. Factor: 1.0000

ALS Bottle#: 0

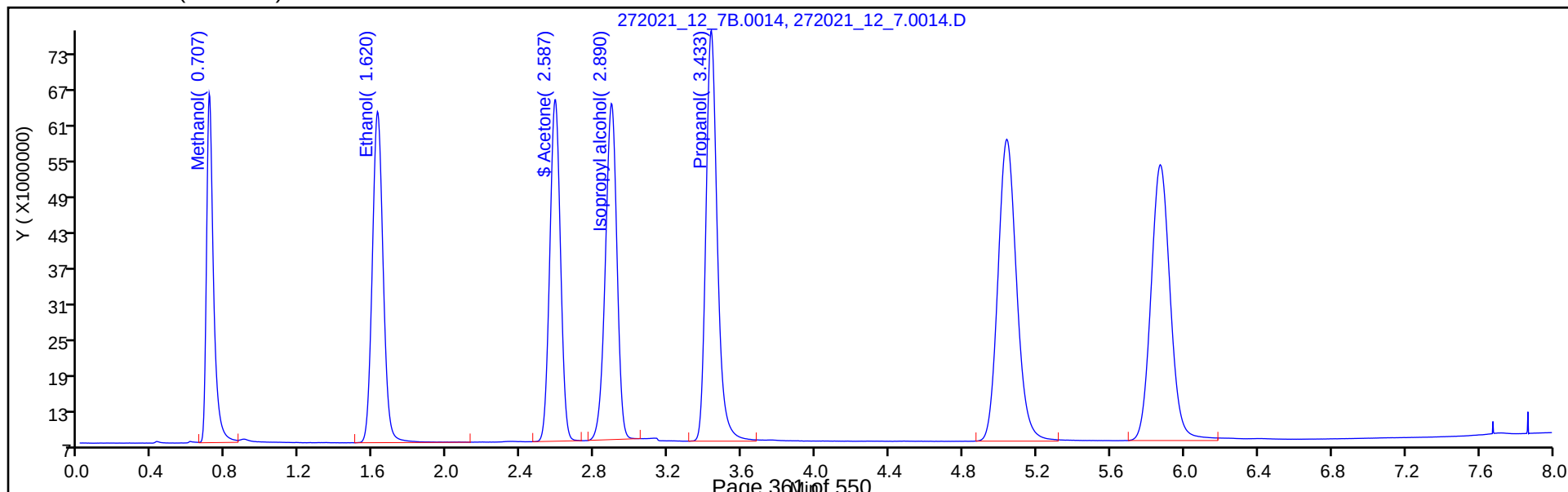
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

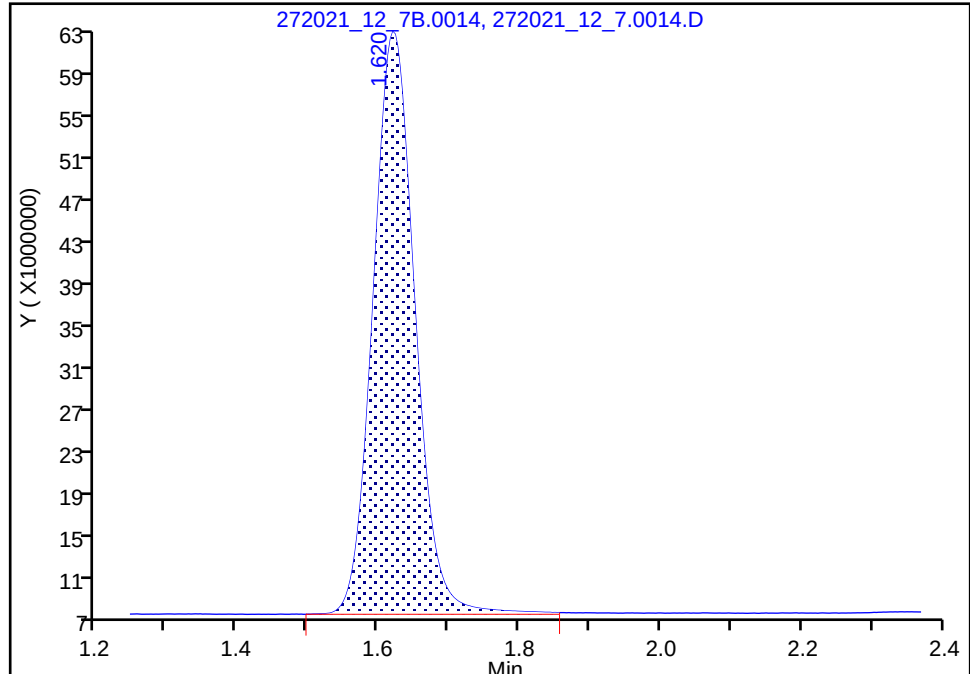
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
Injection Date: 07-Dec-2021 15:02:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

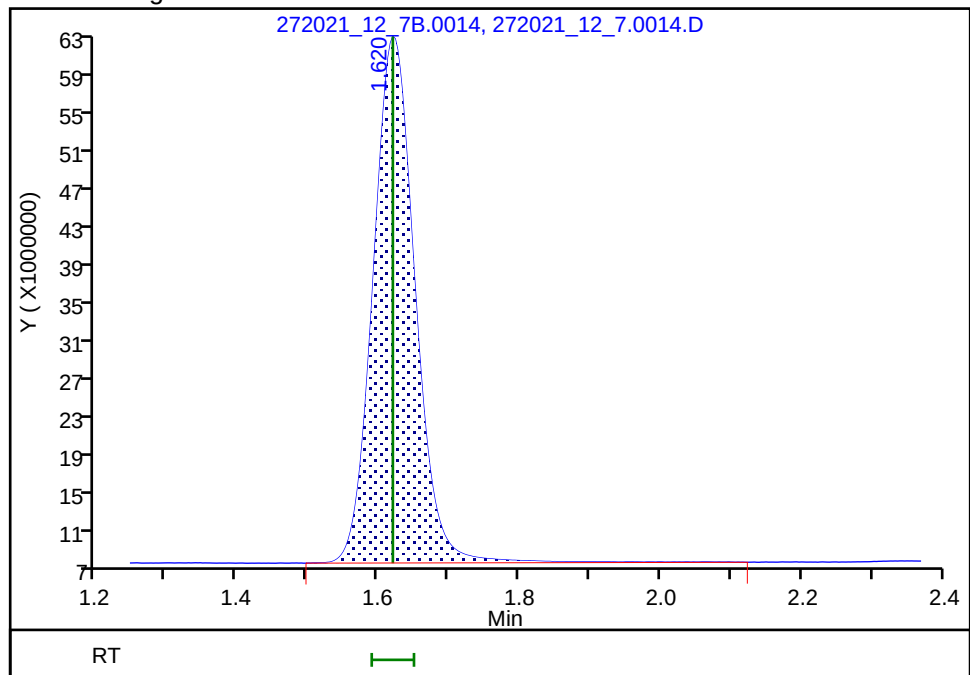
RT: 1.62
Area: 227164584
Amount: 20301
Amount Units: ug/l

Processing Integration Results



RT: 1.62
Area: 227401571
Amount: 20318
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:16:33

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

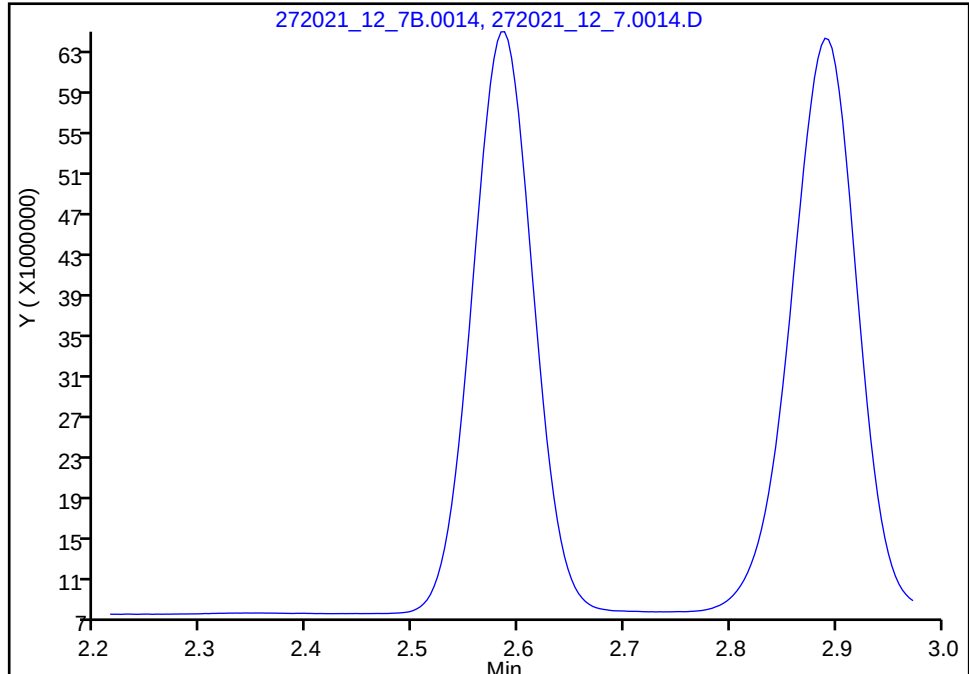
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
Injection Date: 07-Dec-2021 15:02:00 Instrument ID: 2739
Lims ID: ic
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

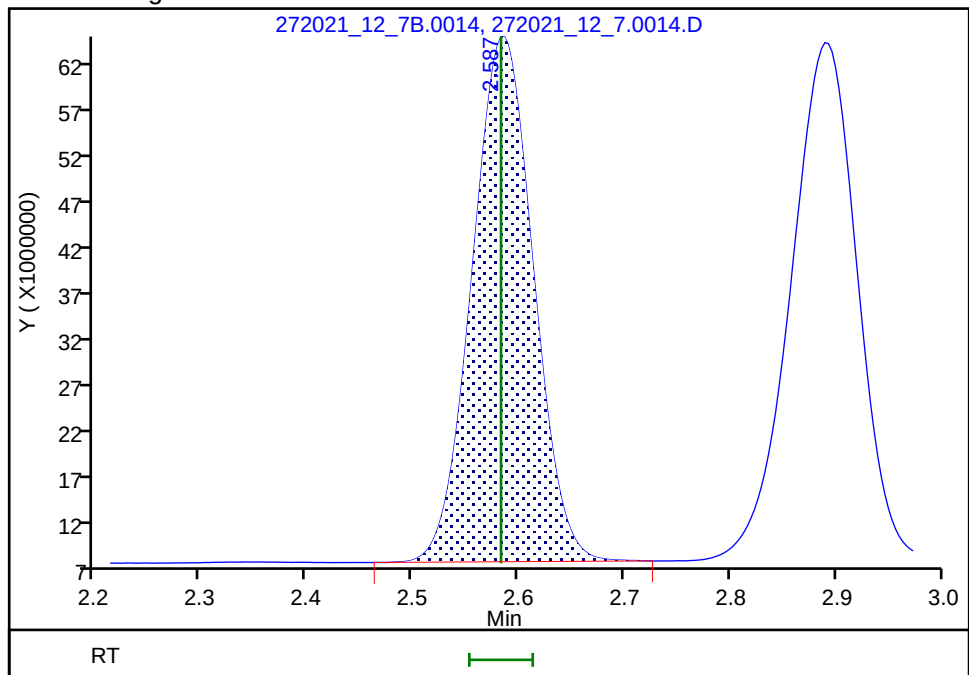
Not Detected
Expected RT: 2.58

Processing Integration Results



RT: 2.59
Area: 229228140
Amount: 19295
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:16:39
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D

Injection Date: 07-Dec-2021 15:02:00

Instrument ID: 2739

Lims ID: ic

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 7

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: SP1000 (0.00 mm)

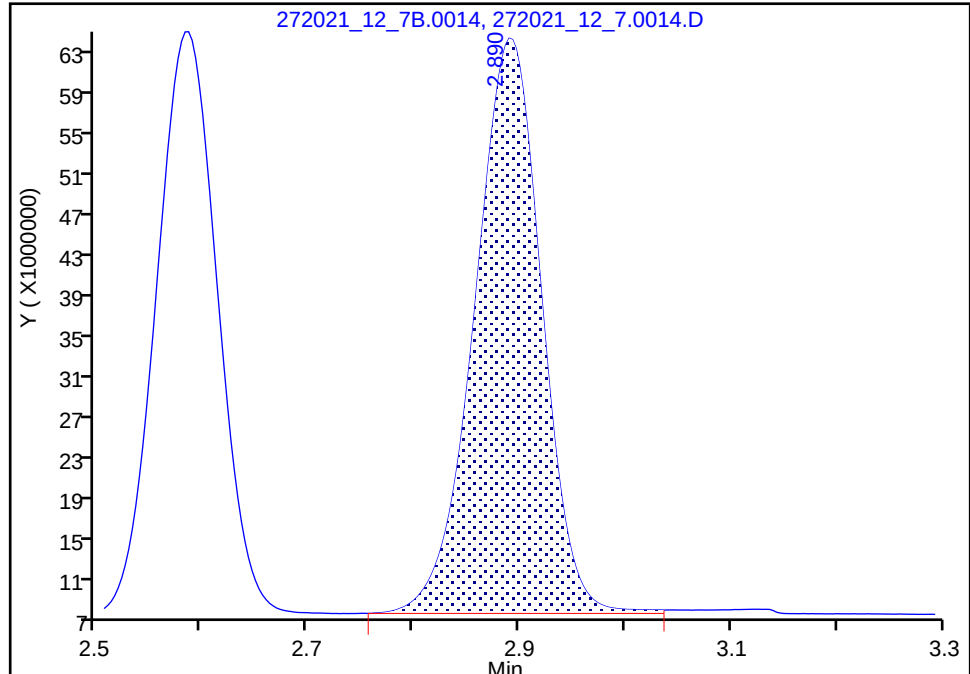
Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

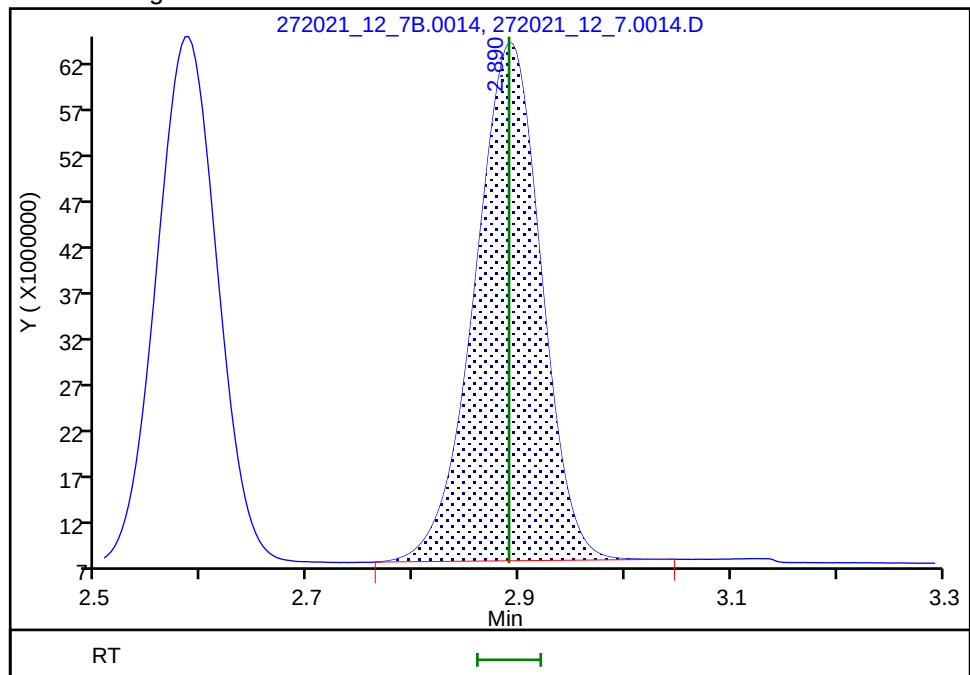
RT: 2.89
Area: 247483337
Amount: 19608
Amount Units: ug/l

Processing Integration Results



RT: 2.89
Area: 244459387
Amount: 20372
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 06:16:42

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Calibration

/ Methanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ESTD
Response Base: AREA
RF Rounding: 0

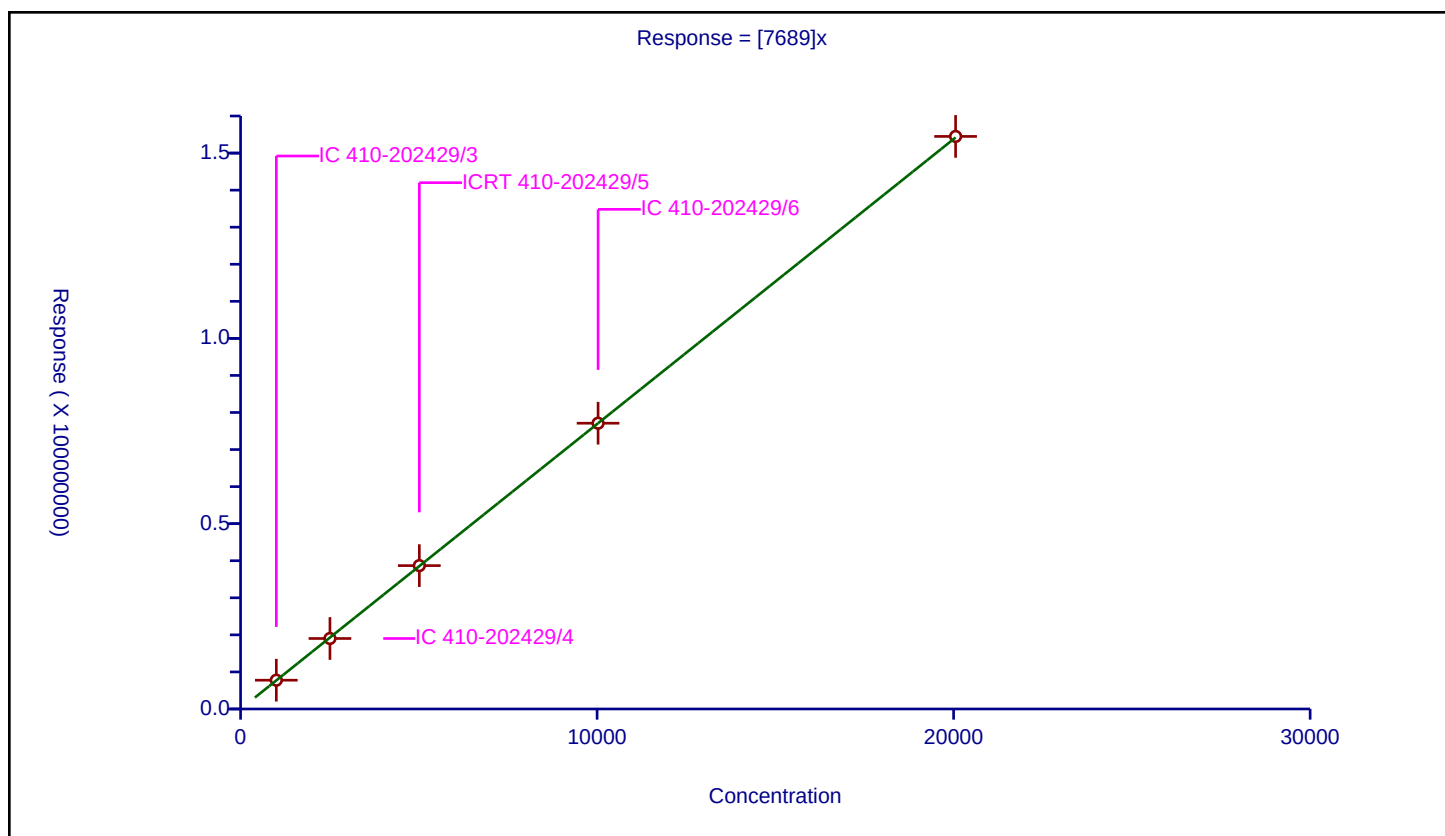
Curve Coefficients

Intercept: 0
Slope: 7689

Error Coefficients

Standard Error: 206000
Relative Standard Error: 0.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-202429/3	1002.8	7770834.0			7749.136418	Y
2	IC 410-202429/4	2507.0	19019281.0			7586.470283	Y
3	ICRT 410-202429/5	5014.0	38687506.0			7715.896689	Y
4	IC 410-202429/6	10028.0	77107291.0			7689.199342	Y
5	IC 410-202429/7	20056.0	154492699.0			7703.066364	Y



Calibration

/ Ethanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ESTD
Response Base: AREA
RF Rounding: 0

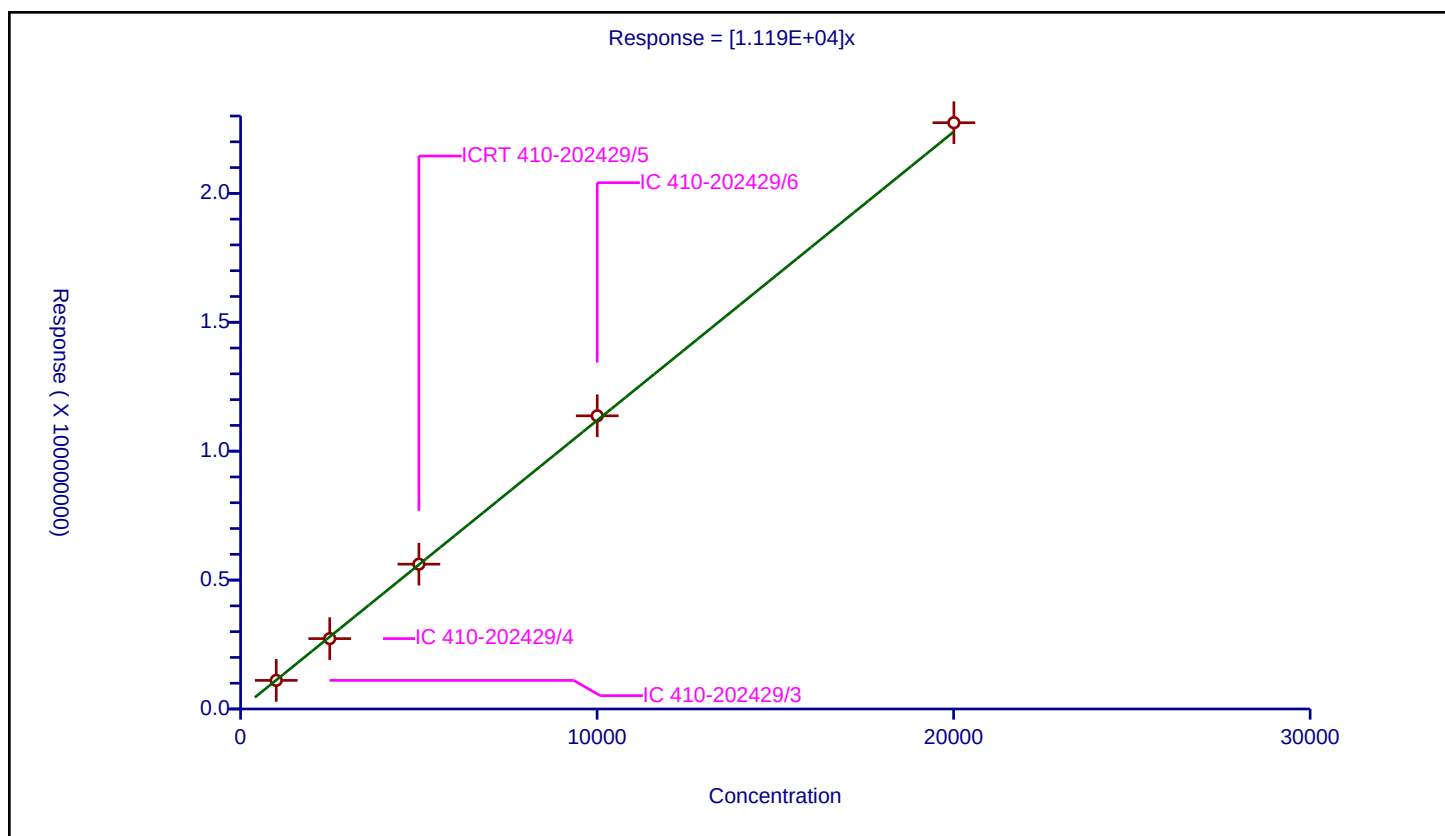
Curve Coefficients

Intercept: 0
Slope: 1.119E+04

Error Coefficients

Standard Error: 1970000
Relative Standard Error: 1.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-202429/3	1000.4	11092191.0			11087.755898	Y
2	IC 410-202429/4	2501.0	27293233.0			10912.928029	Y
3	ICRT 410-202429/5	5002.0	56170835.0			11229.67513	Y
4	IC 410-202429/6	10004.0	113704687.0			11365.922331	Y
5	IC 410-202429/7	20008.0	227401571.0			11365.532337	Y



Calibration

/ Acetone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

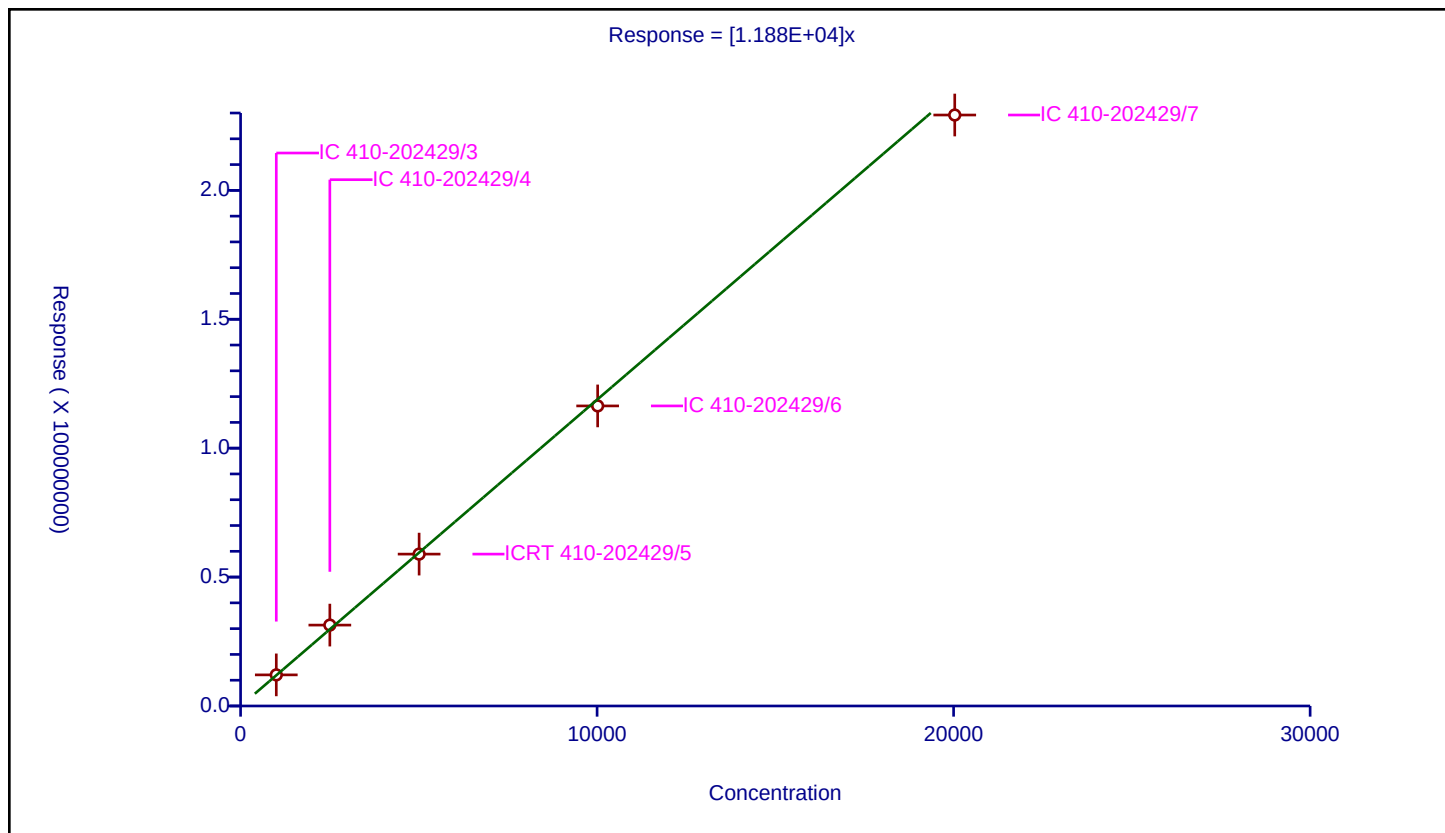
Curve Coefficients

Intercept: 0
 Slope: 1.188E+04

Error Coefficients

Standard Error: 4650000
 Relative Standard Error: 3.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-202429/3	1001.6	12063017.0			12043.747005	Y
2	IC 410-202429/4	2504.0	31380215.0			12532.034744	Y
3	ICRT 410-202429/5	5008.0	58906771.0			11762.534145	Y
4	IC 410-202429/6	10016.0	116388026.0			11620.210264	Y
5	IC 410-202429/7	20032.0	229228140.0			11443.098043	Y



Calibration

/ Isopropyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: AREA
 RF Rounding: 0

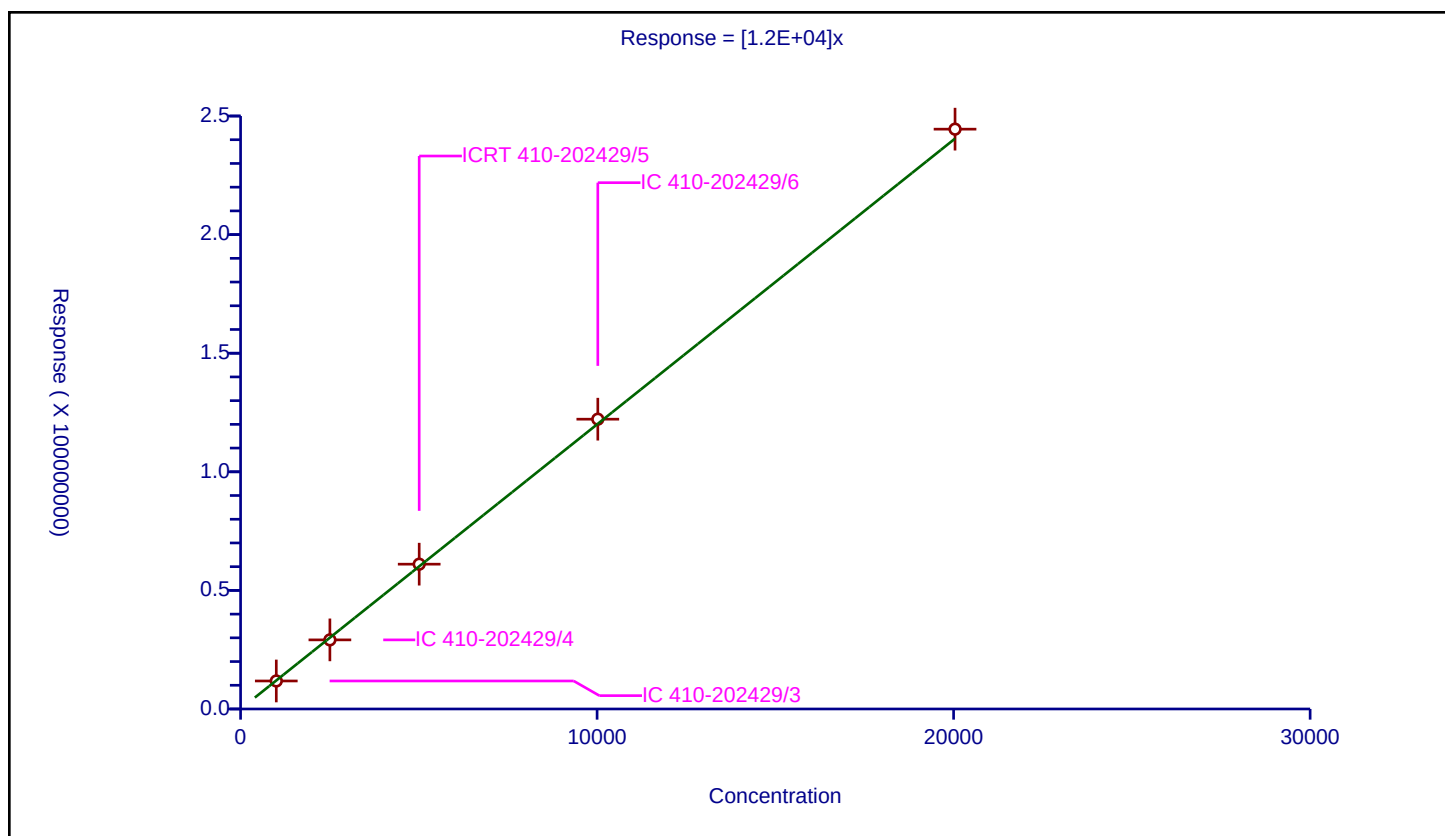
Curve Coefficients

Intercept: 0
 Slope: 1.2E+04

Error Coefficients

Standard Error: 2320000
 Relative Standard Error: 2.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-202429/3	1002.0	11812503.0			11788.92515	Y
2	IC 410-202429/4	2505.0	29135938.0			11631.112974	Y
3	ICRT 410-202429/5	5010.0	61052086.0			12186.04511	Y
4	IC 410-202429/6	10020.0	122177083.0			12193.321657	Y
5	IC 410-202429/7	20040.0	244459387.0			12198.572206	Y



Calibration

/ Propanol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ESTD
Response Base: AREA
RF Rounding: 0

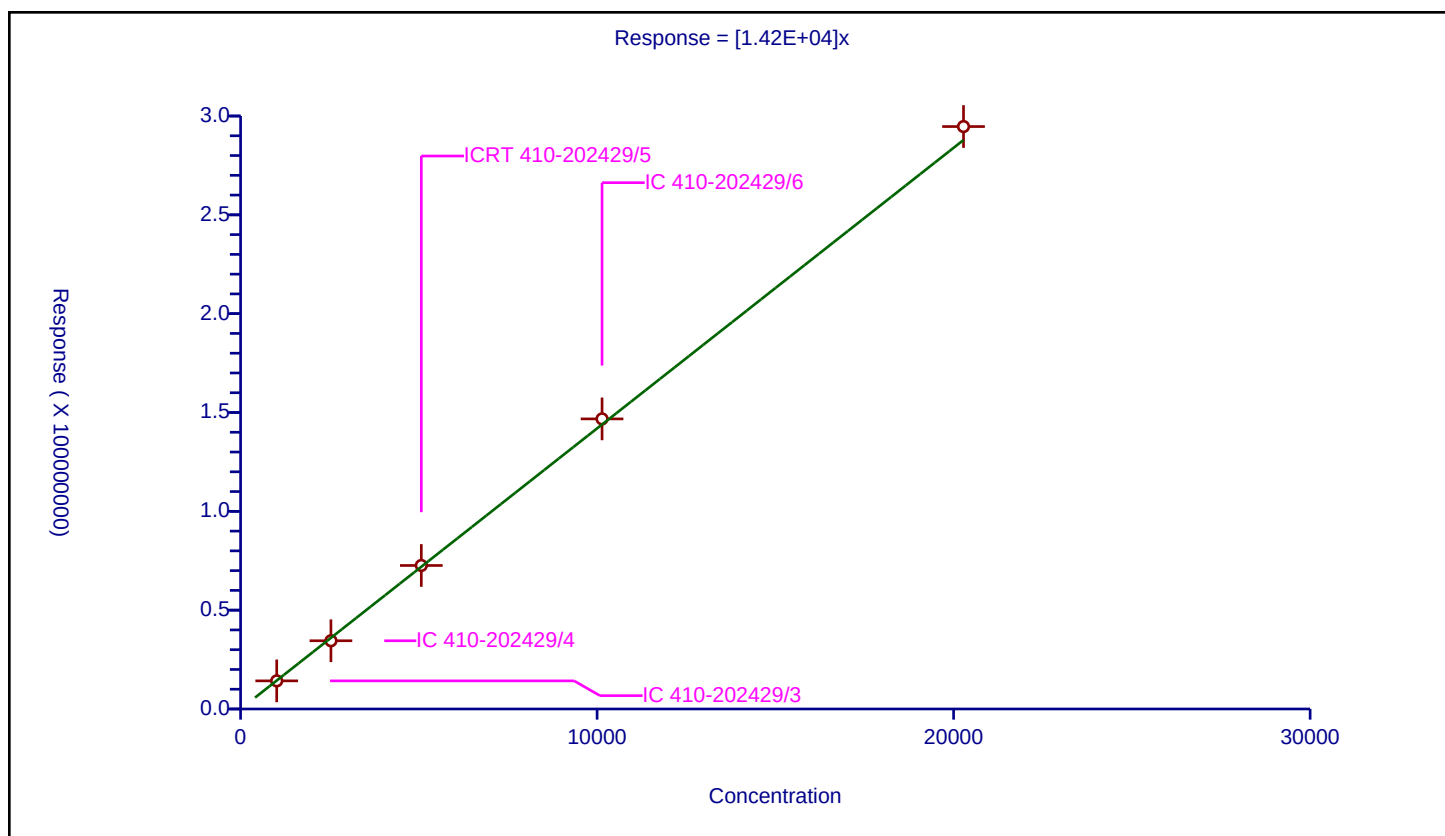
Curve Coefficients

Intercept: 0
Slope: 1.42E+04

Error Coefficients

Standard Error: 3770000
Relative Standard Error: 2.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-202429/3	1013.905	14225525.0			14030.431845	Y
2	IC 410-202429/4	2534.7625	34521392.0			13619.182073	Y
3	ICRT 410-202429/5	5069.525	72604164.0			14321.689705	Y
4	IC 410-202429/6	10139.05	146766672.0			14475.386945	Y
5	IC 410-202429/7	20278.1	294665638.0			14531.225213	Y



FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
 SDG No.: _____
 Lab Sample ID: ICV 410-202429/10 Calibration Date: 12/07/2021 15:58
 Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
 GC Column: RTX200 ID: _____ Calib End Date: 12/07/2021 15:02
 Lab File ID: 272021_12_7.0017.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	2993	2946		5150	5230	-1.6	20.0
Ethanol	Ave	4177	3981		5340	5600	-4.7	20.0
Isopropanol	Ave	4265	4248		5080	5100	-0.4	20.0
1-Propanol	Ave	6541	5939		4630	5090	-9.2	20.0
Isobutanol	Ave	6403	6126		4770	4990	-4.3	20.0
1-Butanol	Ave	5356	5461		5250	5150	2.0	20.0
Acetone	Ave	4124	3967		4820	5010	-3.8	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: ICV 410-202429/10 Calibration Date: 12/07/2021 15:58
Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
GC Column: RTX200 ID: _____ Calib End Date: 12/07/2021 15:02
Lab File ID: 272021_12_7.0017.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.34	0.31	0.37
Ethanol	0.44	0.41	0.47
Isopropanol	0.54	0.51	0.57
1-Propanol	0.72	0.69	0.75
Isobutanol	1.11	1.08	1.14
1-Butanol	1.38	1.35	1.41
Acetone	0.96	0.93	0.99

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0017.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 07-Dec-2021 15:58:00 ALS Bottle#: 0 Worklist Smp#: 10
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: icv
 Misc. Info.: 410-0045751-010
 Operator ID: Administrator Instrument ID: 2739
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Dec-2021 08:29:07 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 08-Dec-2021 08:06:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol

1	0.337	0.337	0.000	15403126	5228.7	5147.0	
2	0.710	0.710	0.000	39452084	5228.7	5131.1	
RPD = 0.31							

2 Ethanol

1	0.437	0.437	0.000	22303646	5601.9	5339.0	M
2	1.620	1.620	0.000	62749997	5601.9	5606.5	M
RPD = 4.89							

3 Isopropyl alcohol

1	0.540	0.537	0.003	21661977	5099.5	5078.9	
2	2.890	2.890	0.000	61794798	5099.5	5149.7	M
RPD = 1.39							

4 Propanol

1	0.720	0.723	-0.003	30254687	5094.4	4625.7	M
2	3.433	3.433	0.000	71872580	5094.4	5063.0	M
RPD = 9.03							

\$ 5 Acetone

1	0.957	0.957	0.000	19867710	5008.0	4817.0	M
2	2.583	2.583	0.000	57553125	5008.0	4844.4	M
RPD = 0.57							

6 Isobutyl alcohol

1	1.107	1.107	0.000	30567709	4990.0	4774.0	M

7 n-Butanol

1	1.380	1.377	0.003	28121354	5149.8	5250.3	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLMEICV_00009

Amount Added: 1.00

Units: mL

Report Date: 08-Dec-2021 08:29:22

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0017.D

Injection Date: 07-Dec-2021 15:58:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: icv

Worklist Smp#:

10

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

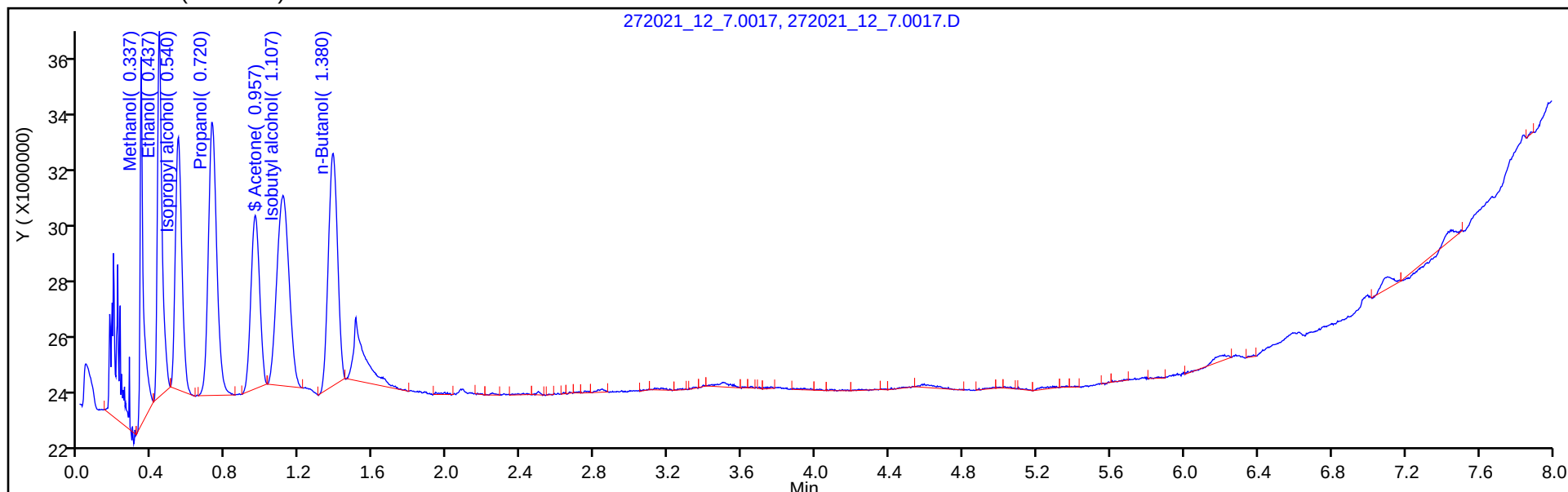
ALS Bottle#:

0

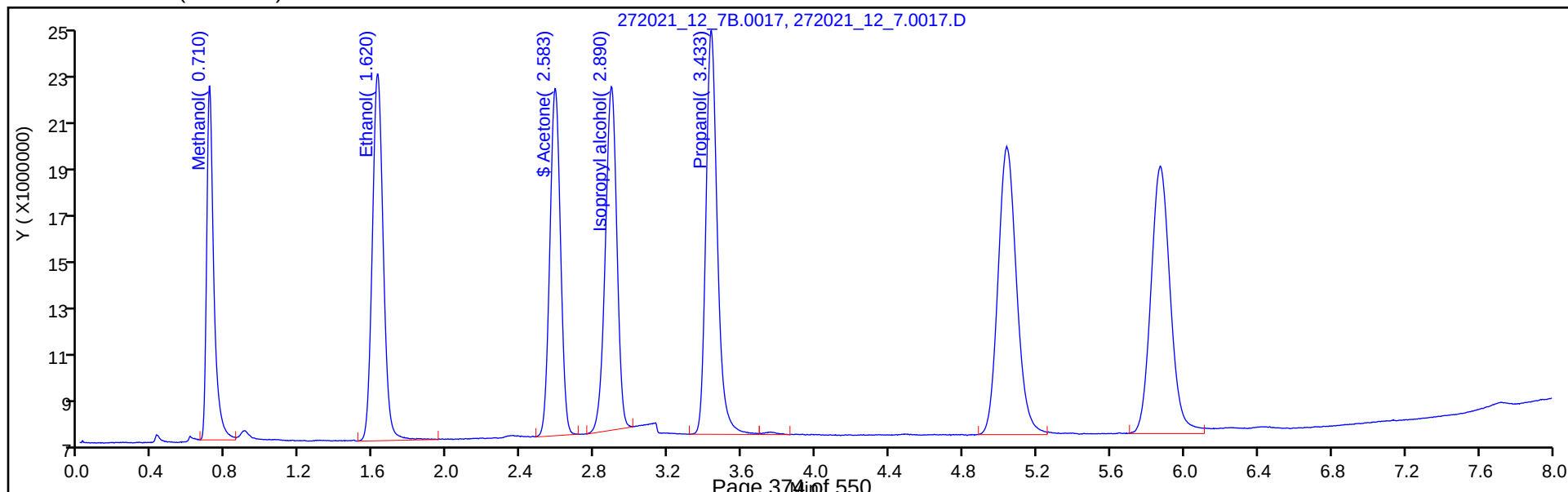
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0017.D

Injection Date: 07-Dec-2021 15:58:00

Instrument ID: 2739

Lims ID: icv

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 10

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

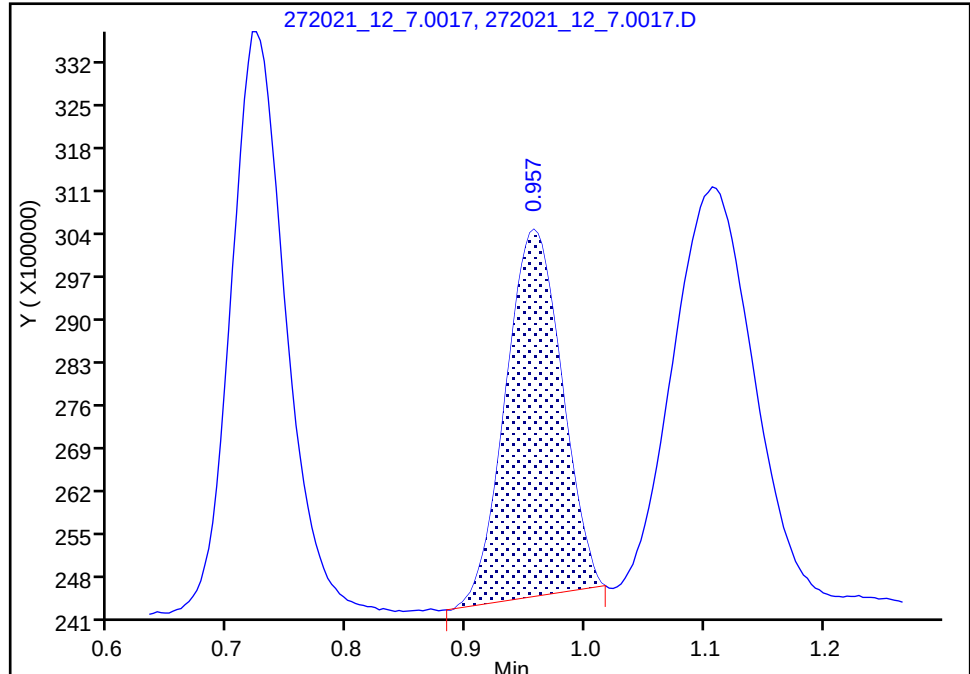
Detector 0FIDA

\$ 5 Acetone, CAS: 67-64-1

Signal: 1

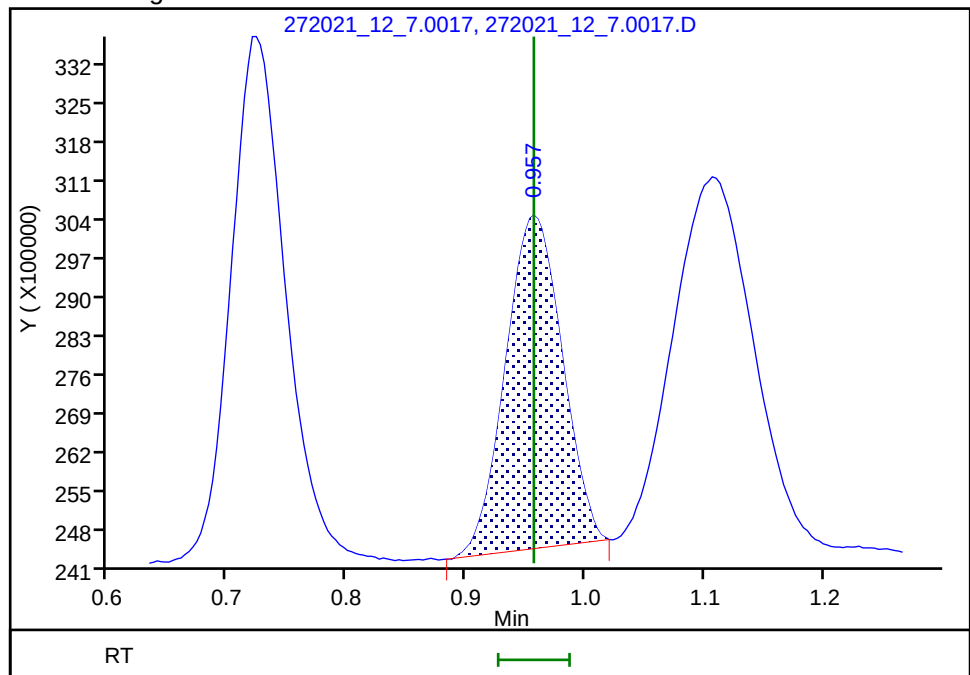
RT: 0.96
Area: 19661458
Amount: 4767.0285
Amount Units: ug/l

Processing Integration Results



RT: 0.96
Area: 19867710
Amount: 4817.0354
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 08:06:11

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0017.D

Injection Date: 07-Dec-2021 15:58:00

Instrument ID: 2739

Lims ID: icv

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 10

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

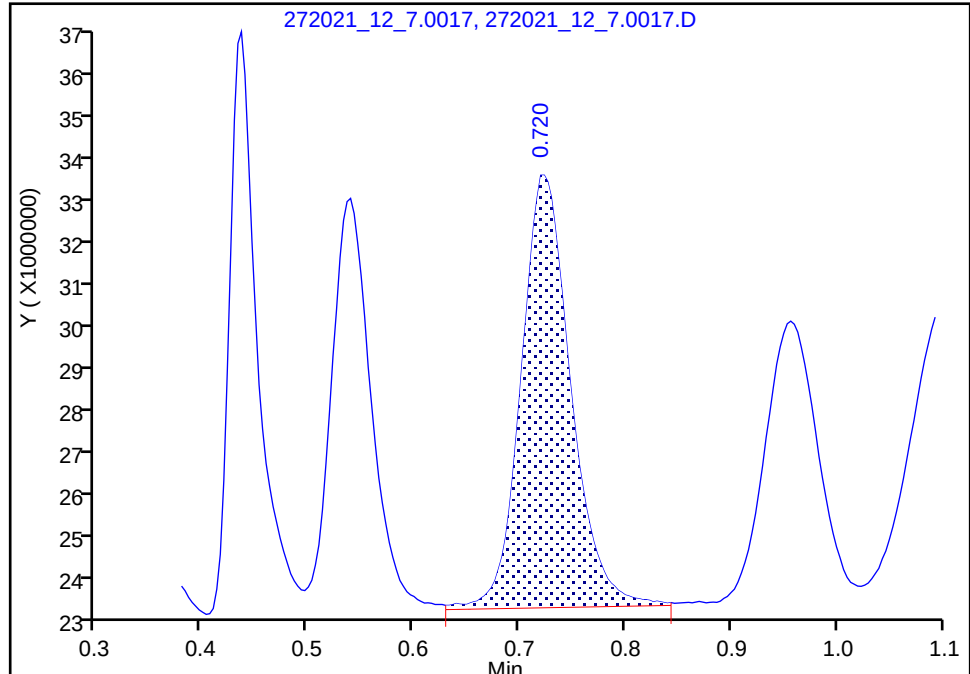
Detector 0FIDA

4 Propanol, CAS: 71-23-8

Signal: 1

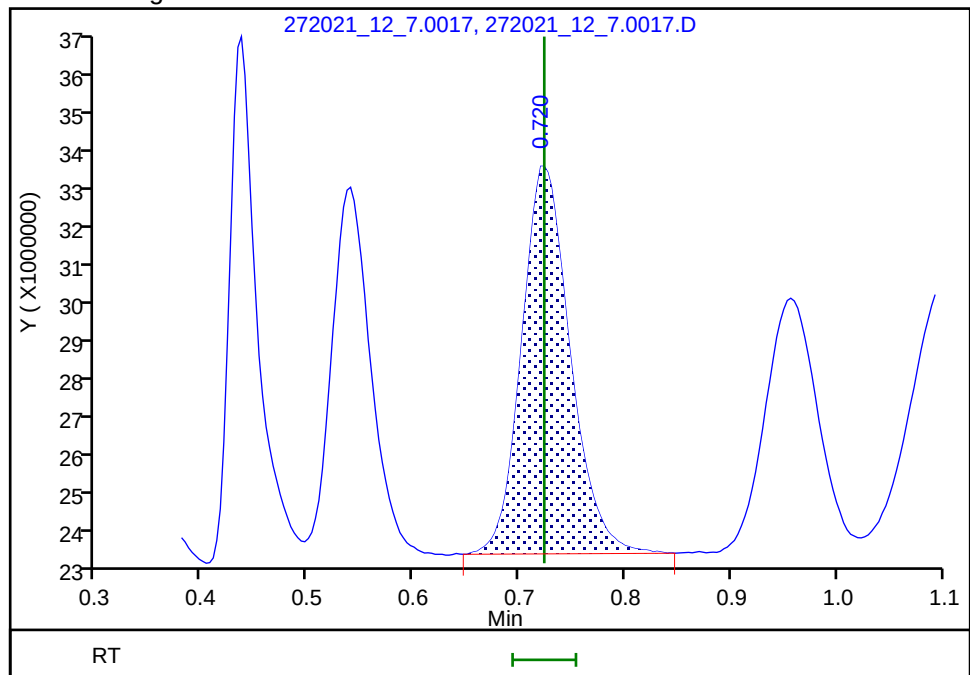
RT: 0.72
Area: 31280544
Amount: 4782.5014
Amount Units: ug/l

Processing Integration Results



RT: 0.72
Area: 30254687
Amount: 4625.6575
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 08:06:07

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0017.D

Injection Date: 07-Dec-2021 15:58:00

Instrument ID: 2739

Lims ID: icv

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 10

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

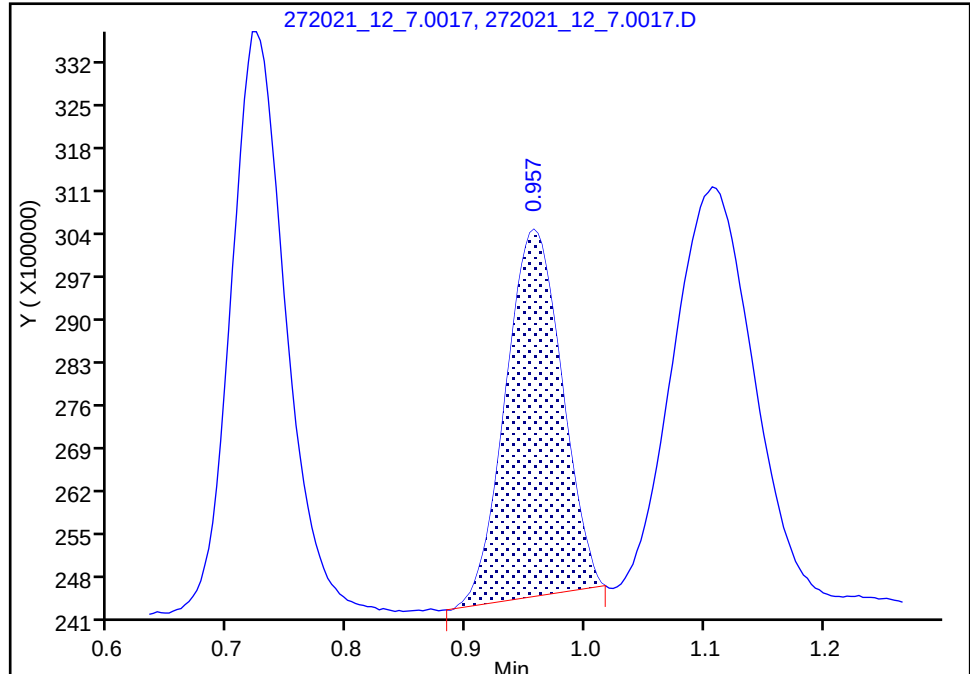
Detector: OFIDA

\$ 5 Acetone, CAS: 67-64-1

Signal: 1

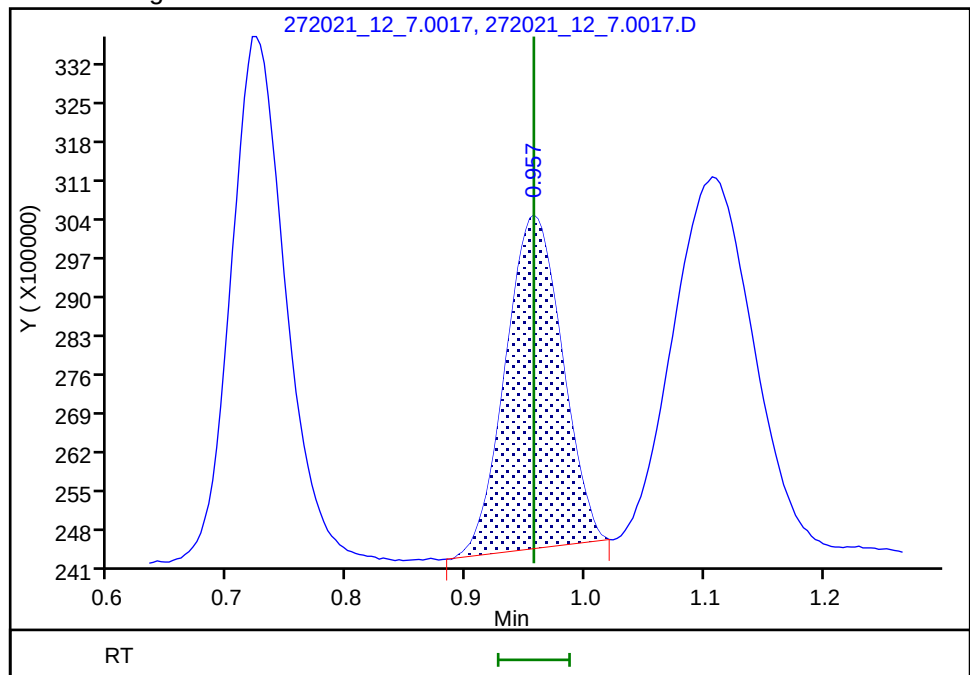
RT: 0.96
Area: 19661458
Amount: 4767.0285
Amount Units: ug/l

Processing Integration Results



RT: 0.96
Area: 19867710
Amount: 4817.0354
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 08:06:11

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0017.D

Injection Date: 07-Dec-2021 15:58:00

Instrument ID: 2739

Lims ID: icv

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 10

Purge Vol: 1.000 uL

Dil. Factor:

1.0000

Method: 8015_DAI_2739

Limit Group:

GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

Detector

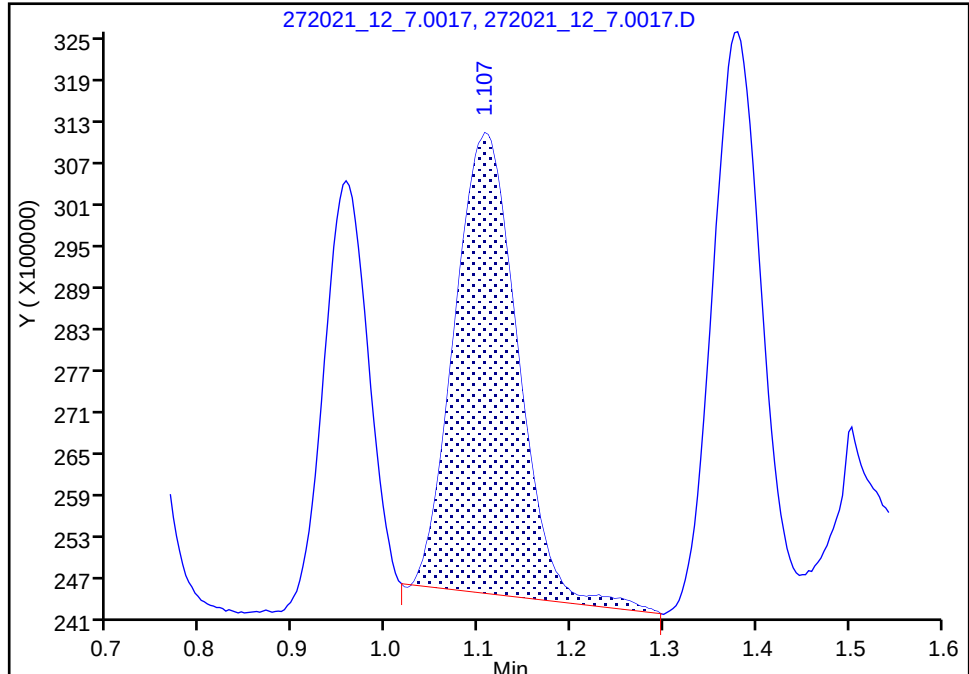
OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

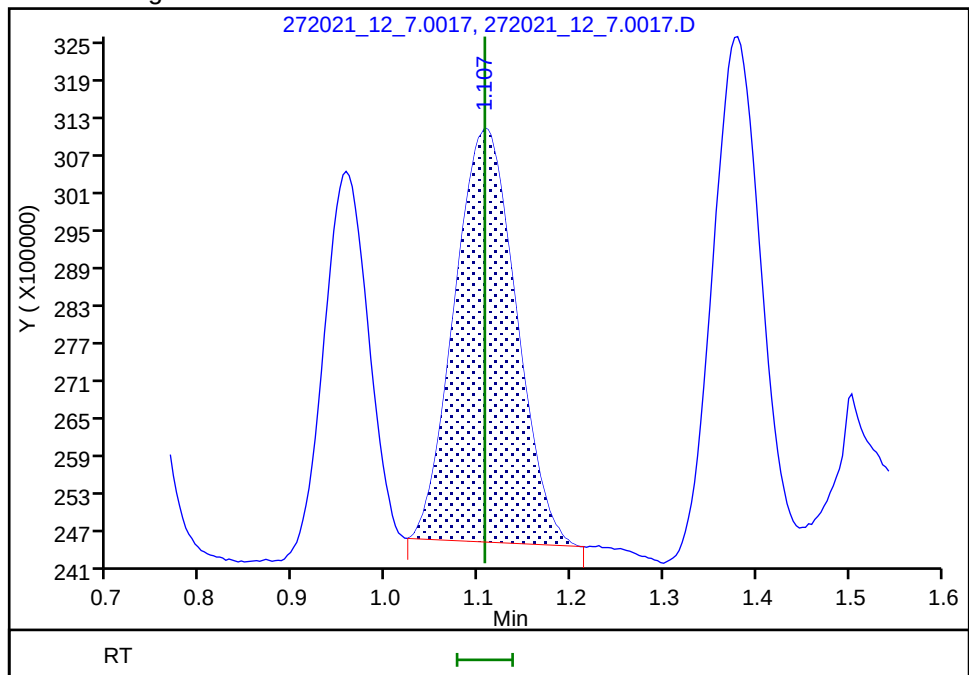
RT: 1.11
Area: 31634893
Amount: 4940.7174
Amount Units: ug/l

Processing Integration Results



RT: 1.11
Area: 30567709
Amount: 4774.0453
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 08:04:36

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: ICV 410-202429/10 Calibration Date: 12/07/2021 15:58
Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
GC Column: SP1000 ID: _____ Calib End Date: 12/07/2021 15:02
Lab File ID: 272021_12_7.0017.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	7689	7545		5130	5230	-1.9	20.0
Ethanol	Ave	11192	11202		5610	5600	0.0	20.0
Isopropanol	Ave	12000	12118		5150	5100	1.0	20.0
1-Propanol	Ave	14196	14108		5060	5090	-0.6	20.0
Acetone	Ave	11880	11492		4840	5010	-3.3	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: ICV 410-202429/10 Calibration Date: 12/07/2021 15:58
Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
GC Column: SP1000 ID: _____ Calib End Date: 12/07/2021 15:02
Lab File ID: 272021_12_7.0017.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.71	0.68	0.74
Ethanol	1.62	1.59	1.65
Isopropanol	2.89	2.86	2.92
1-Propanol	3.43	3.40	3.47
Acetone	2.58	2.55	2.61

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0017.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 07-Dec-2021 15:58:00 ALS Bottle#: 0 Worklist Smp#: 10
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: icv
 Misc. Info.: 410-0045751-010
 Operator ID: Administrator Instrument ID: 2739
 Sublist:
 Method: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Dec-2021 08:29:07 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1648

First Level Reviewer: kennedyj

Date: 08-Dec-2021 08:06:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol

1	0.337	0.337	0.000	15403126	5228.7	5147.0	
2	0.710	0.710	0.000	39452084	5228.7	5131.1	
RPD = 0.31							

2 Ethanol

1	0.437	0.437	0.000	22303646	5601.9	5339.0	M
2	1.620	1.620	0.000	62749997	5601.9	5606.5	M
RPD = 4.89							

3 Isopropyl alcohol

1	0.540	0.537	0.003	21661977	5099.5	5078.9	
2	2.890	2.890	0.000	61794798	5099.5	5149.7	M
RPD = 1.39							

4 Propanol

1	0.720	0.723	-0.003	30254687	5094.4	4625.7	M
2	3.433	3.433	0.000	71872580	5094.4	5063.0	M
RPD = 9.03							

\$ 5 Acetone

1	0.957	0.957	0.000	19867710	5008.0	4817.0	M
2	2.583	2.583	0.000	57553125	5008.0	4844.4	M
RPD = 0.57							

6 Isobutyl alcohol

1	1.107	1.107	0.000	30567709	4990.0	4774.0	M

7 n-Butanol

1	1.380	1.377	0.003	28121354	5149.8	5250.3	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLMEICV_00009

Amount Added: 1.00

Units: mL

Report Date: 08-Dec-2021 08:29:23

Chrom Revision: 2.3 15-Nov-2021 20:34:30

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0017.D

Injection Date: 07-Dec-2021 15:58:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: icv

Worklist Smp#:

10

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

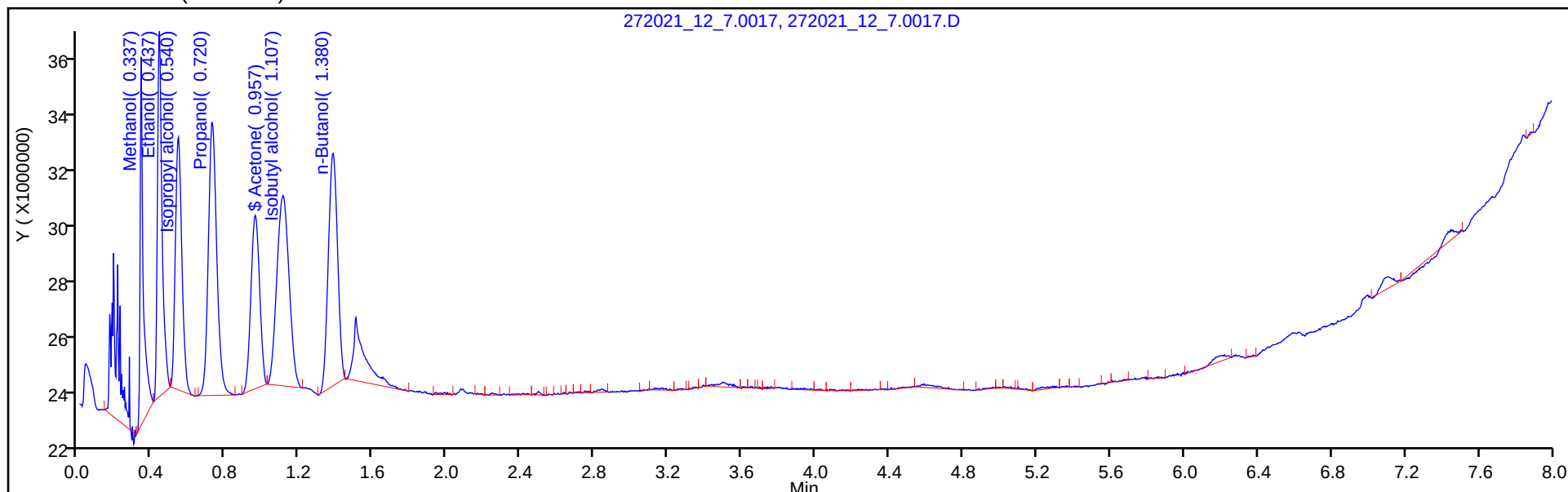
ALS Bottle#:

0

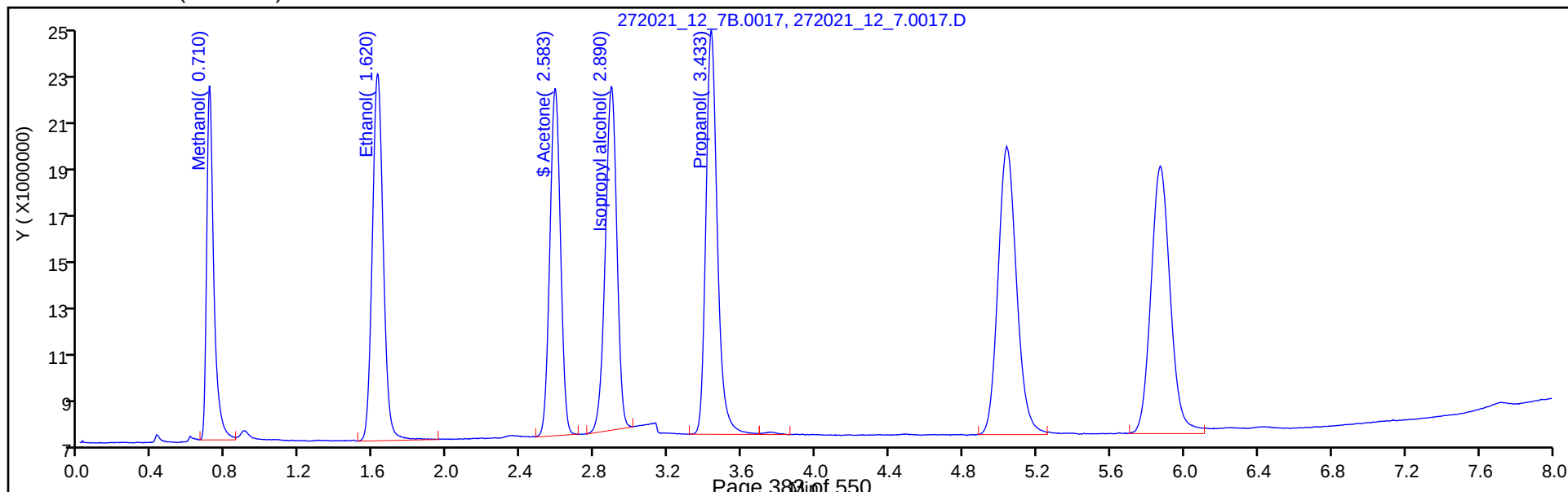
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

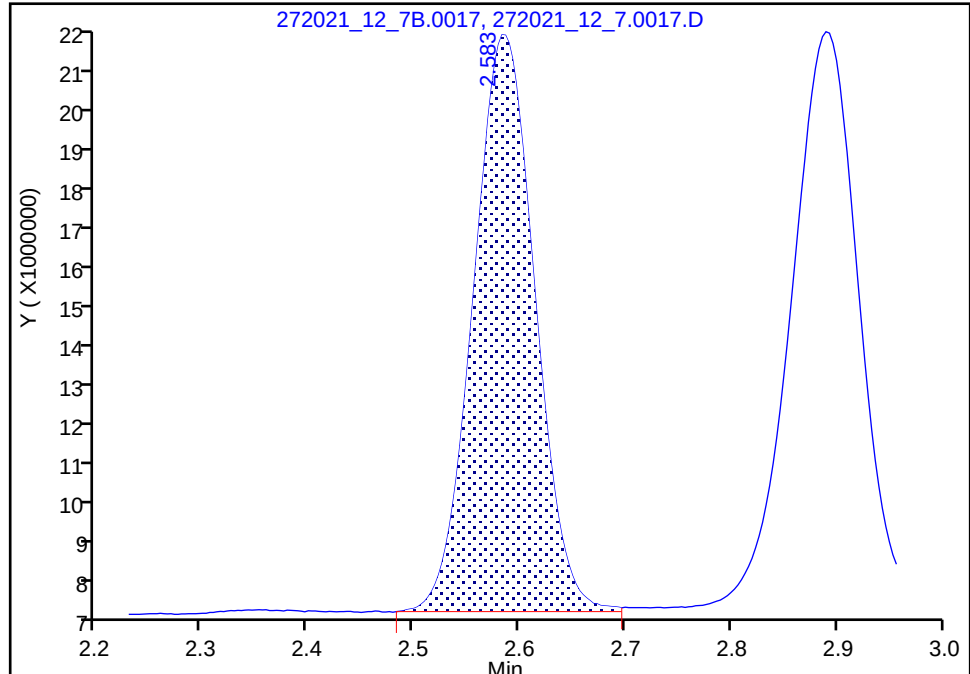
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0017.D
Injection Date: 07-Dec-2021 15:58:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

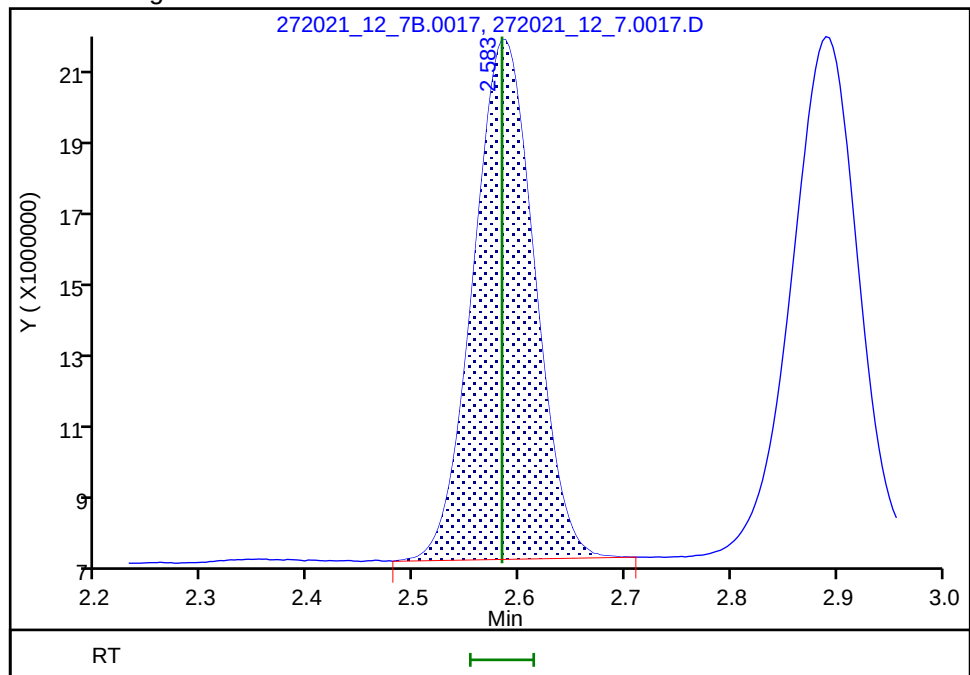
RT: 2.58
Area: 58058331
Amount: 4886.9313
Amount Units: ug/l

Processing Integration Results



RT: 2.58
Area: 57553125
Amount: 4844.4067
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 08:05:13

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

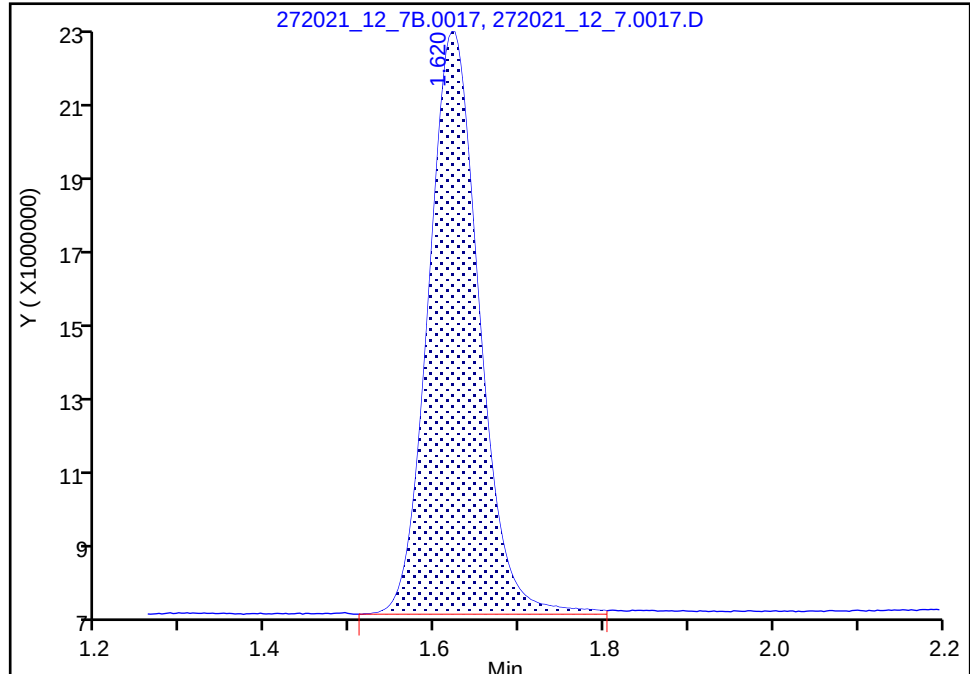
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0017.D
Injection Date: 07-Dec-2021 15:58:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

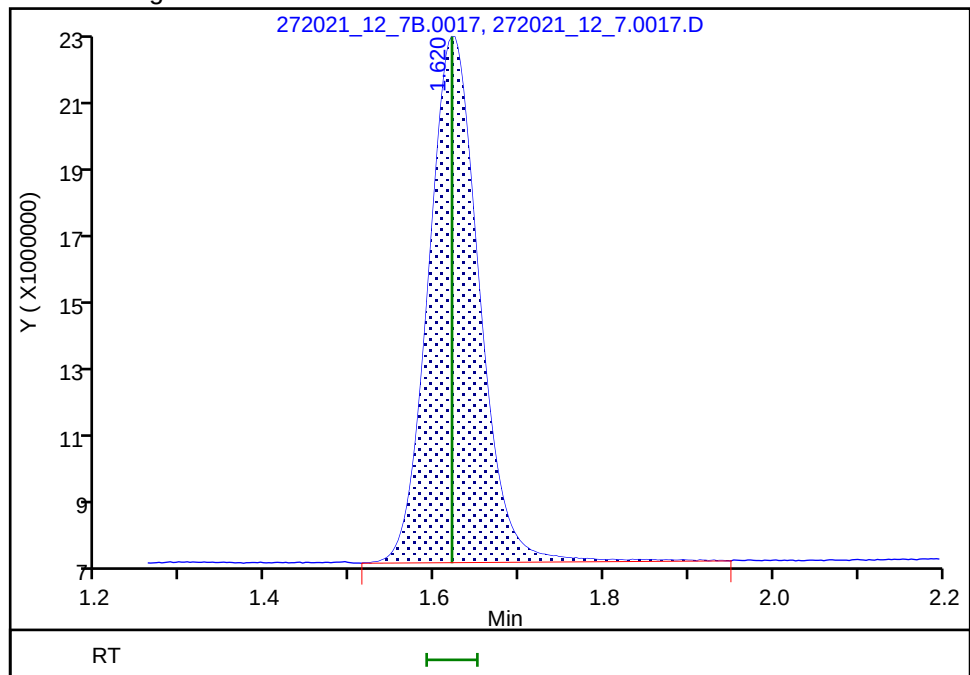
RT: 1.62
Area: 62765627
Amount: 5607.8979
Amount Units: ug/l

Processing Integration Results



RT: 1.62
Area: 62749997
Amount: 5606.5014
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 08:05:40
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 385 of 550

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0017.D

Injection Date: 07-Dec-2021 15:58:00

Instrument ID: 2739

Lims ID: icv

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 10

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: SP1000 (0.00 mm)

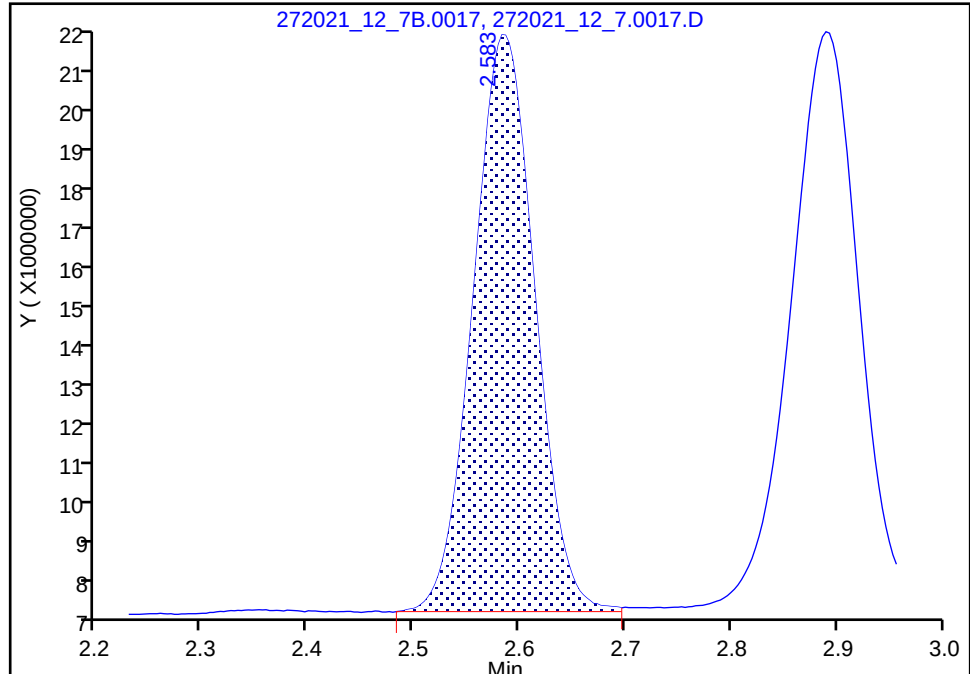
Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

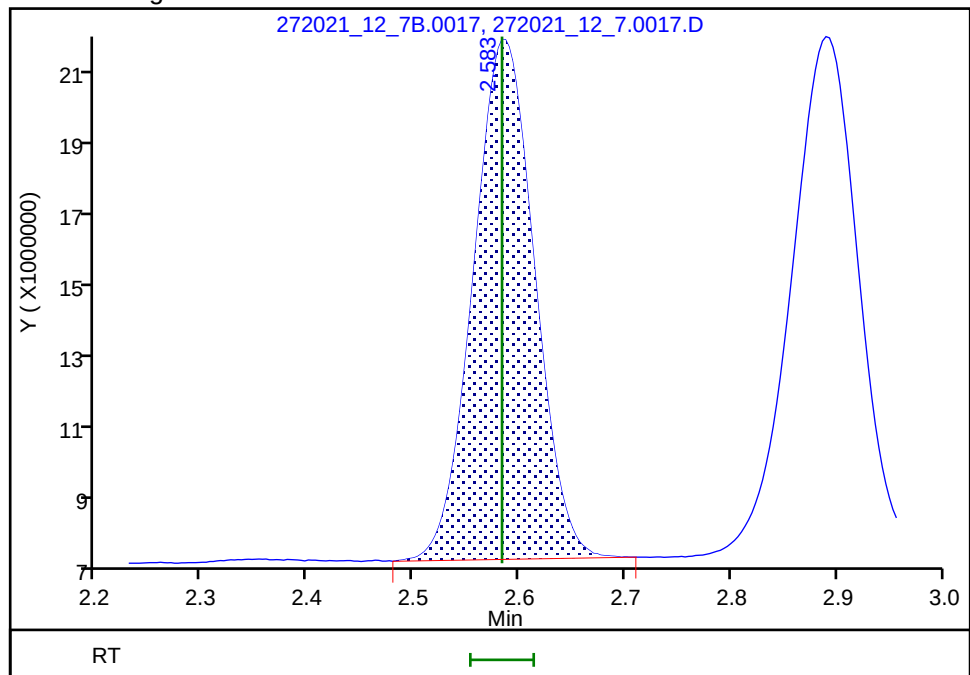
RT: 2.58
Area: 58058331
Amount: 4886.9313
Amount Units: ug/l

Processing Integration Results



RT: 2.58
Area: 57553125
Amount: 4844.4067
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 08:05:13

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

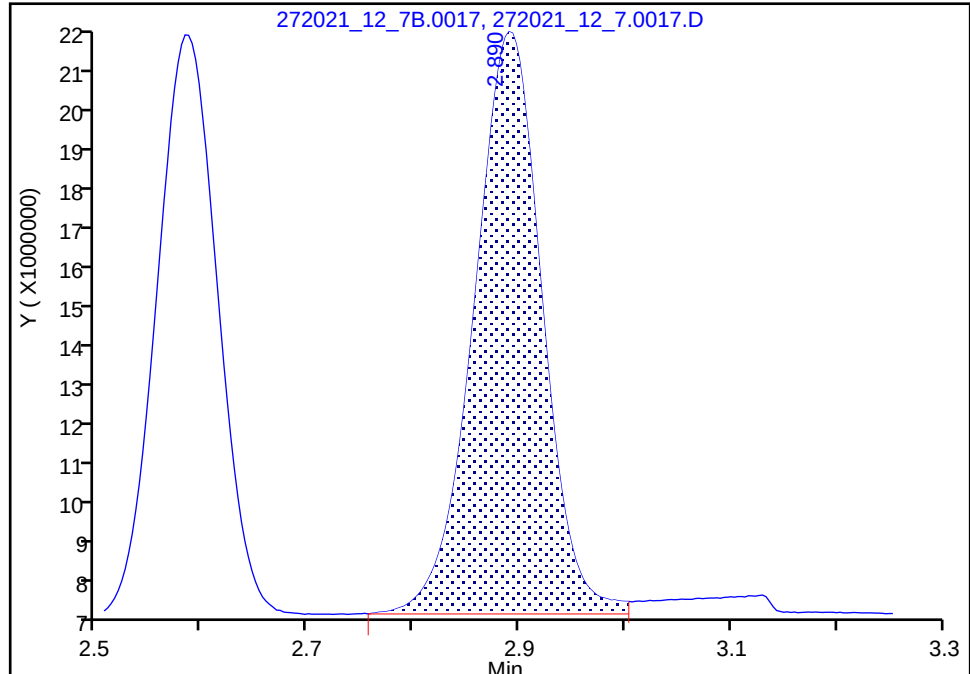
Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0017.D
Injection Date: 07-Dec-2021 15:58:00 Instrument ID: 2739
Lims ID: icv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

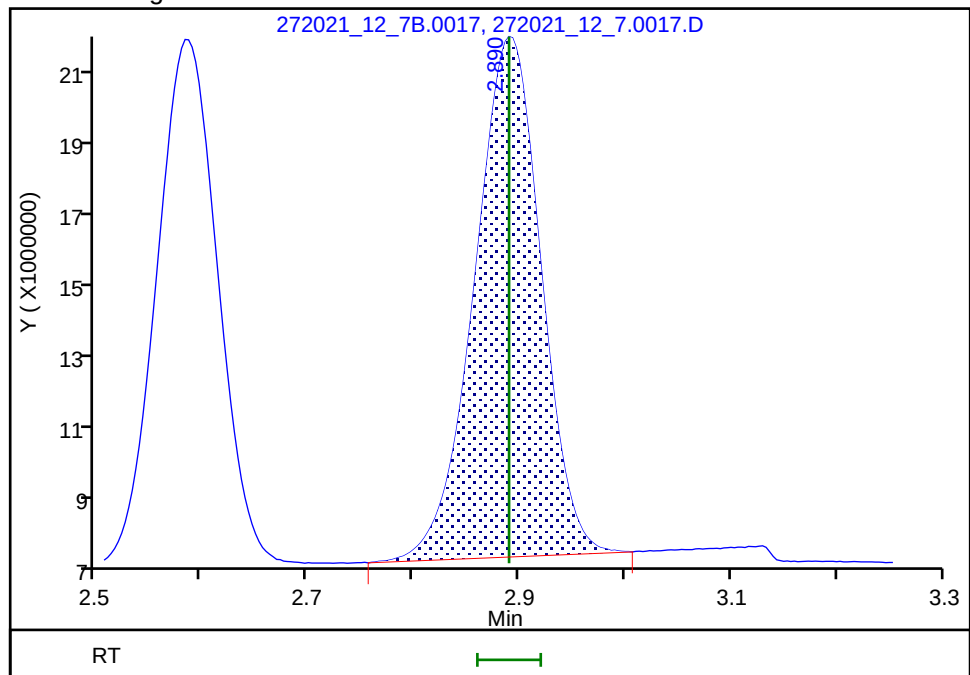
RT: 2.89
Area: 63991673
Amount: 5332.8192
Amount Units: ug/l

Processing Integration Results



RT: 2.89
Area: 61794798
Amount: 5149.7401
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 08:05:07

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0017.D

Injection Date: 07-Dec-2021 15:58:00

Instrument ID: 2739

Lims ID: icv

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 10

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: SP1000 (0.00 mm)

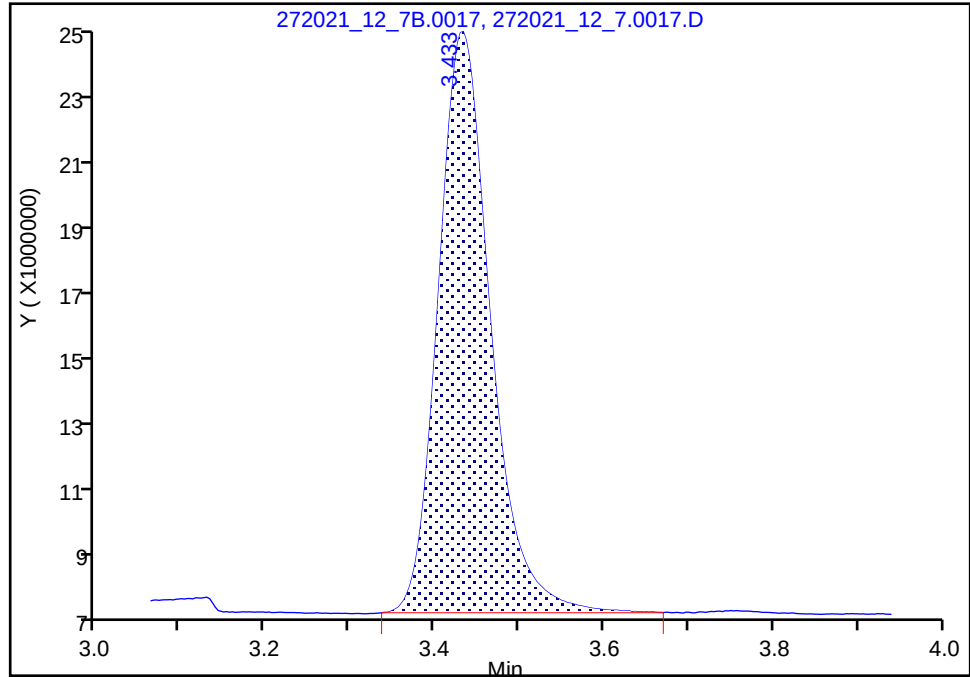
Detector 1FIDB

4 Propanol, CAS: 71-23-8

Signal: 2

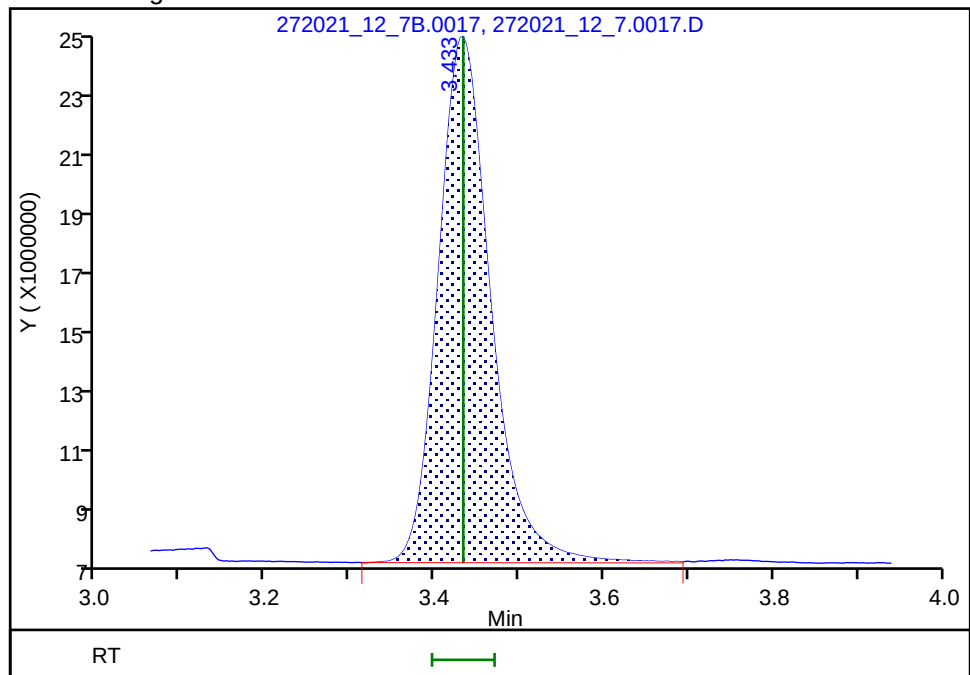
RT: 3.43
Area: 71172913
Amount: 5013.7365
Amount Units: ug/l

Processing Integration Results



RT: 3.43
Area: 71872580
Amount: 5063.0241
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Dec-2021 08:05:55

Audit Action: Split an Integrated Peak

Audit Reason: Peak not integrated

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
 SDG No.: _____
 Lab Sample ID: CCVRT 410-212308/4 Calibration Date: 01/06/2022 11:50
 Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
 GC Column: RTX200 ID: _____ Calib End Date: 12/07/2021 15:02
 Lab File ID: 272022_1_6.0004.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	2993	2808		4700	5010	-6.2	20.0
Ethanol	Ave	4177	3725		4460	5000	-10.8	20.0
Isopropanol	Ave	4265	3993		4690	5010	-6.4	20.0
1-Propanol	Ave	6541	5175		4010	5070	-20.9*	20.0
Isobutanol	Ave	6403	5745		4620	5140	-10.3	20.0
1-Butanol	Ave	5356	7564		7300	5170	41.2*	20.0
Acetone	Ave	4124	3552		4310	5010	-13.9	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: CCVRT 410-212308/4 Calibration Date: 01/06/2022 11:50
Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
GC Column: RTX200 ID: _____ Calib End Date: 12/07/2021 15:02
Lab File ID: 272022_1_6.0004.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.34	0.31	0.37
Ethanol	0.43	0.40	0.46
Isopropanol	0.53	0.50	0.56
1-Propanol	0.72	0.69	0.75
Isobutanol	1.10	1.07	1.13
1-Butanol	1.37	1.34	1.40
Acetone	0.95	0.92	0.98

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0004.D
 Lims ID: CCVRT
 Client ID:
 Sample Type: CCVRT
 Inject. Date: 06-Jan-2022 11:50:00 ALS Bottle#: 0 Worklist Smp#: 4
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: CCVRT
 Misc. Info.: 410-0047889-004
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Jan-2022 06:25:57 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1603

First Level Reviewer: kennedyj

Date: 06-Jan-2022 12:50:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.337	0.337	0.000	14078646	5014.0	4704.4	M
2	0.710	0.710	0.000	38048960	5014.0	4948.7	
RPD = 5.06							
2 Ethanol							M
1	0.433	0.433	0.000	18633335	5002.0	4460.4	M
2	1.627	1.627	0.000	54167705	5002.0	4839.7	M
RPD = 8.16							
3 Isopropyl alcohol							M
1	0.533	0.533	0.000	20004686	5010.0	4690.3	
2	2.903	2.903	0.000	58669276	5010.0	4889.3	M
RPD = 4.15							
4 Propanol							M
1	0.717	0.717	0.000	26236456	5069.5	4011.3	M
2	3.447	3.447	0.000	72939591	5069.5	5138.2	
RPD = 24.63							
\$ 5 Acetone							M
1	0.950	0.950	0.000	17789585	5008.0	4313.2	
2	2.603	2.603	0.000	56495833	5008.0	4755.4	M
RPD = 9.75							
6 Isobutyl alcohol							M
1	1.097	1.097	0.000	29553125	5144.2	4615.6	M
7 n-Butanol							M
1	1.373	1.373	0.000	39098957	5169.0	7299.8	M

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME3_00033

Amount Added: 1.00

Units: mL

Report Date: 08-Jan-2022 06:25:57

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0004.D

Injection Date: 06-Jan-2022 11:50:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: CCVRT

Worklist Smp#:

4

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

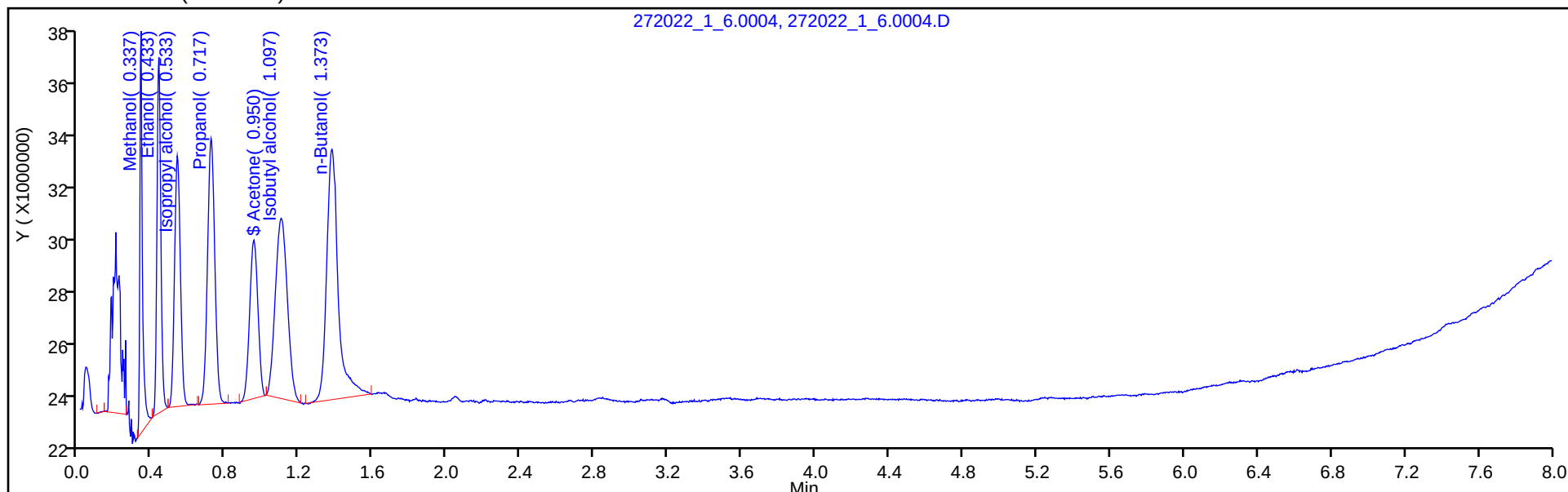
ALS Bottle#:

0

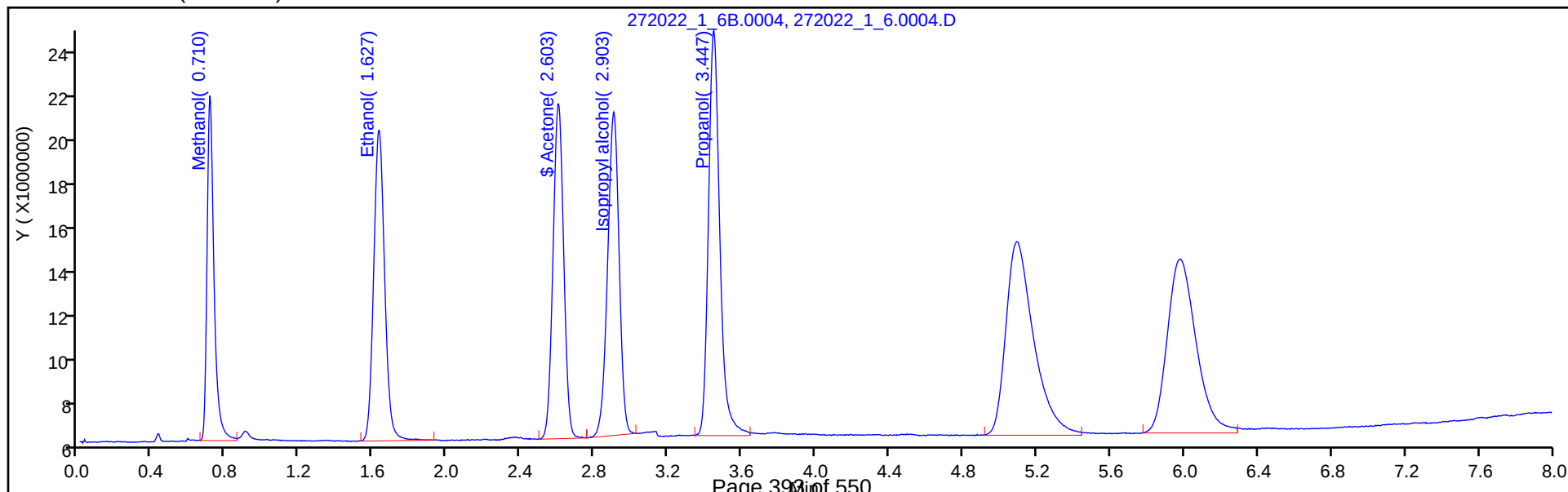
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

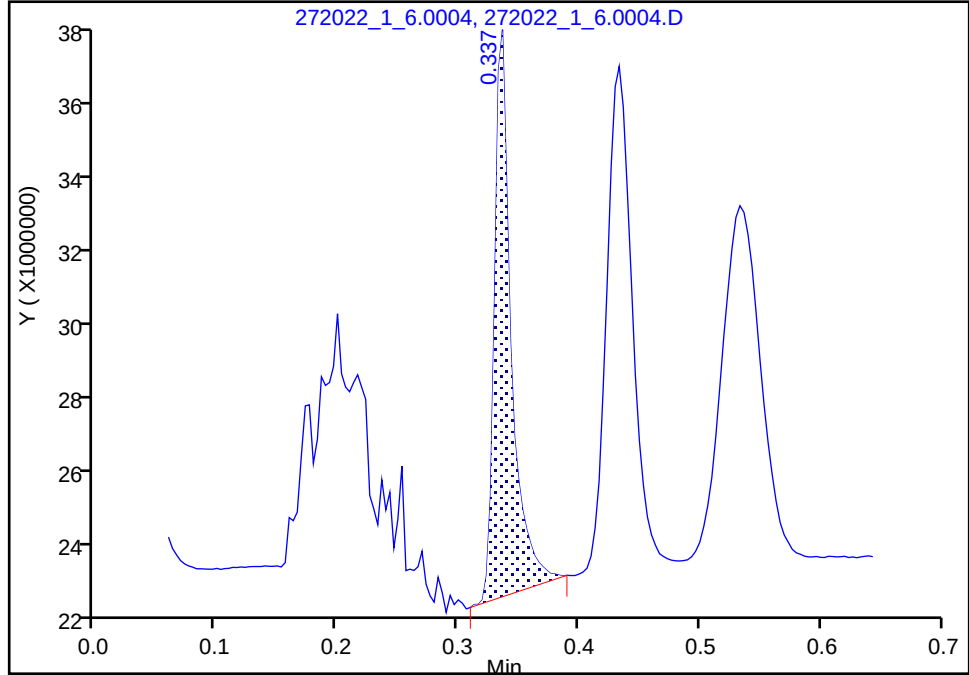
Data File:	\\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0004.D		
Injection Date:	06-Jan-2022 11:50:00	Instrument ID:	2739
Lims ID:	CCVRT		
Client ID:			
Operator ID:	Administrator	ALS Bottle#:	0
Purge Vol:	1.000 uL	Dil. Factor:	1.0000
Method:	8015_DAI_2739	Limit Group:	GCV - 8015C_D DAI
Column:	RTX200 (0.00 mm)	Detector:	0FIDA
		Worklist Smp#:	4

1 Methanol, CAS: 67-56-1

Signal: 1

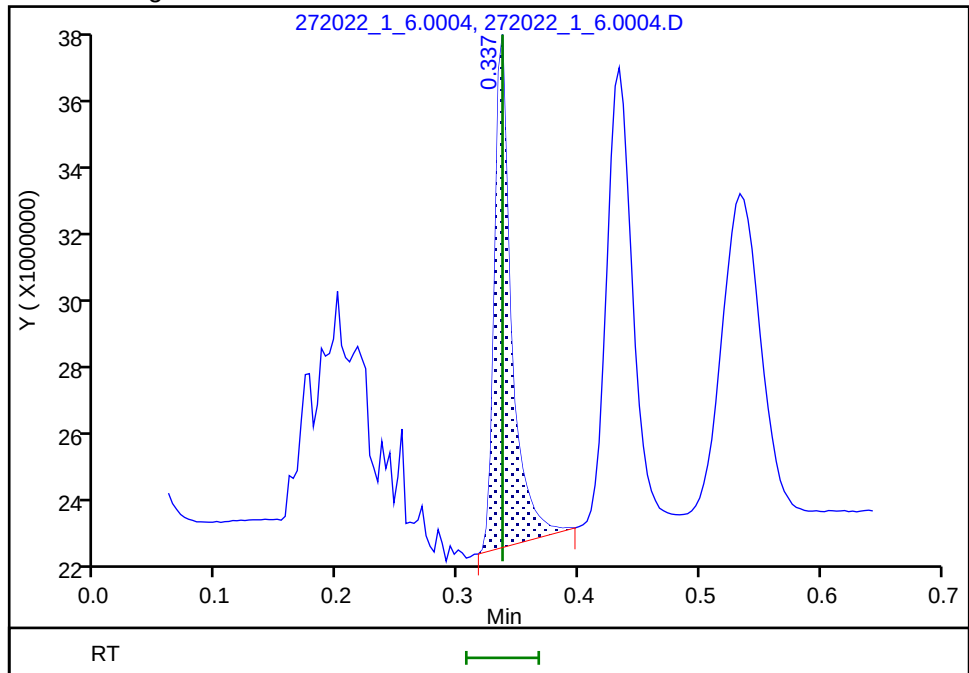
RT: 0.34
Area: 13950522
Amount: 4661.5677
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 14078646
Amount: 4704.3803
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 06-Jan-2022 12:49:26
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

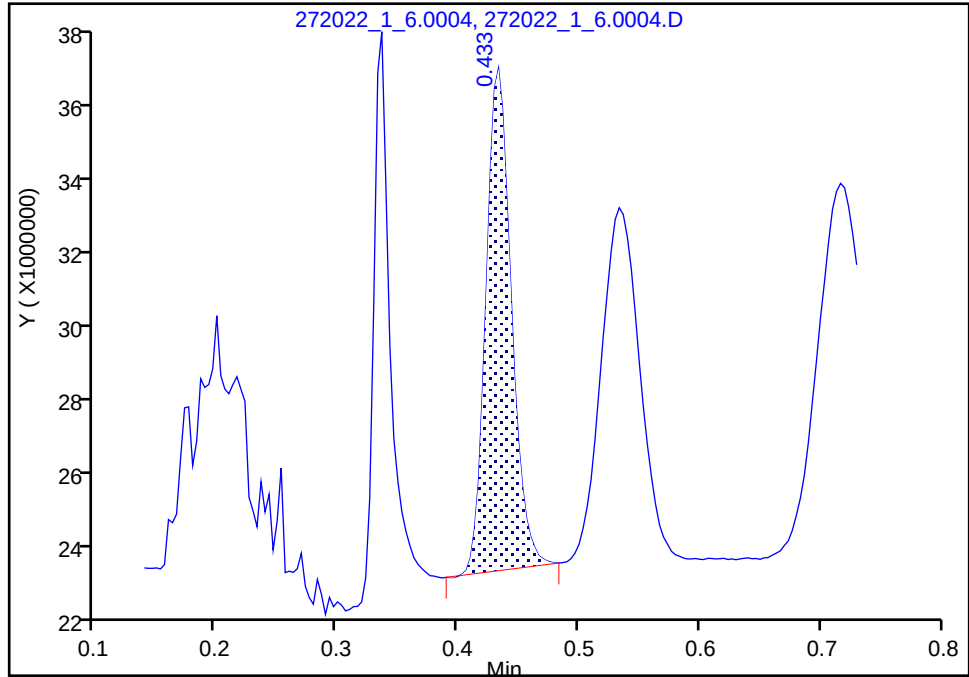
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0004.D
Injection Date: 06-Jan-2022 11:50:00 Instrument ID: 2739
Lims ID: CCVRT
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

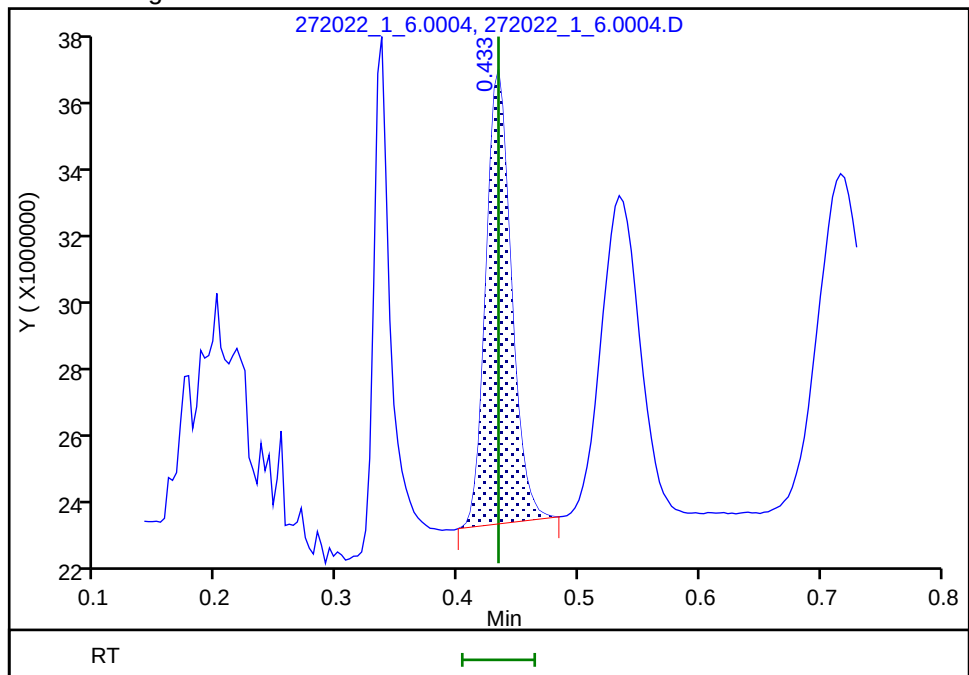
RT: 0.43
Area: 18603126
Amount: 4453.2152
Amount Units: ug/l

Processing Integration Results



RT: 0.43
Area: 18633335
Amount: 4460.4467
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 06-Jan-2022 12:49:22
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

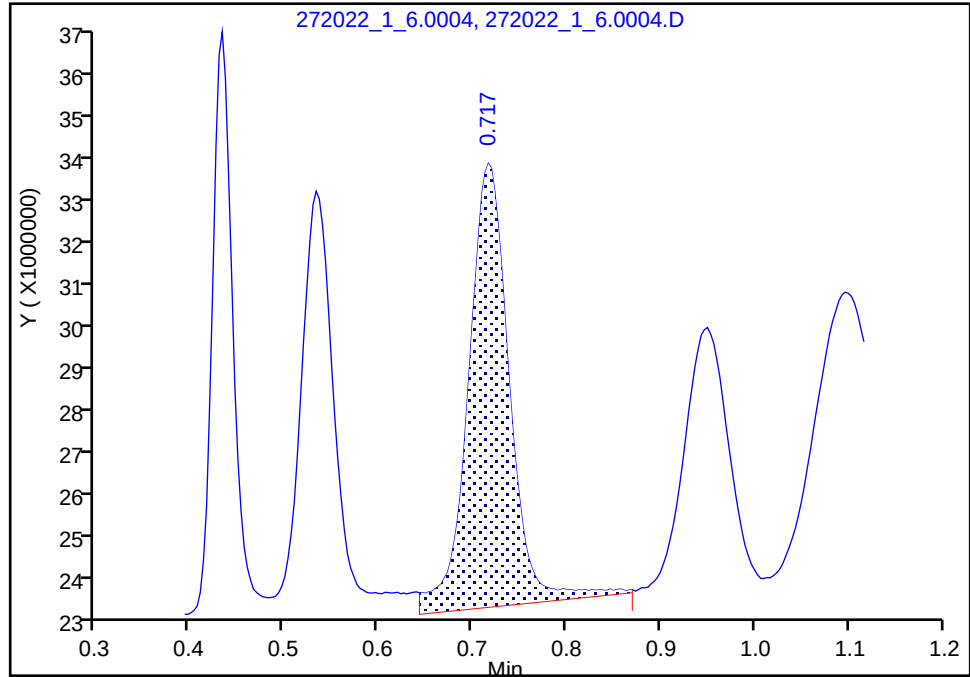
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0004.D
Injection Date: 06-Jan-2022 11:50:00 Instrument ID: 2739
Lims ID: CCVRT
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

4 Propanol, CAS: 71-23-8

Signal: 1

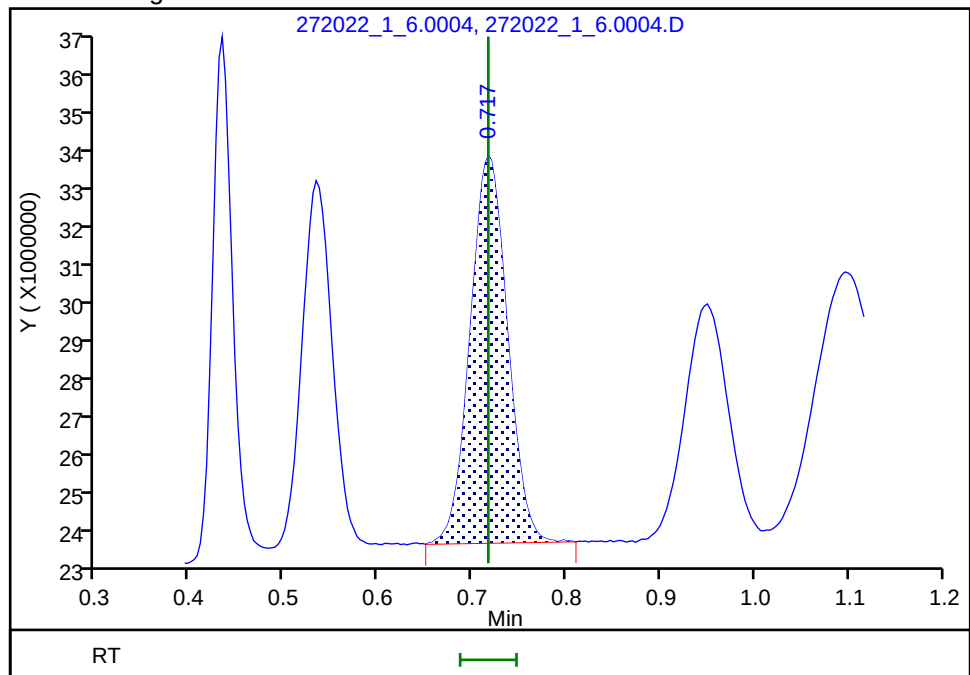
RT: 0.72
Area: 29919425
Amount: 4574.3991
Amount Units: ug/l

Processing Integration Results



RT: 0.72
Area: 26236456
Amount: 4011.3077
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 06-Jan-2022 12:49:55
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

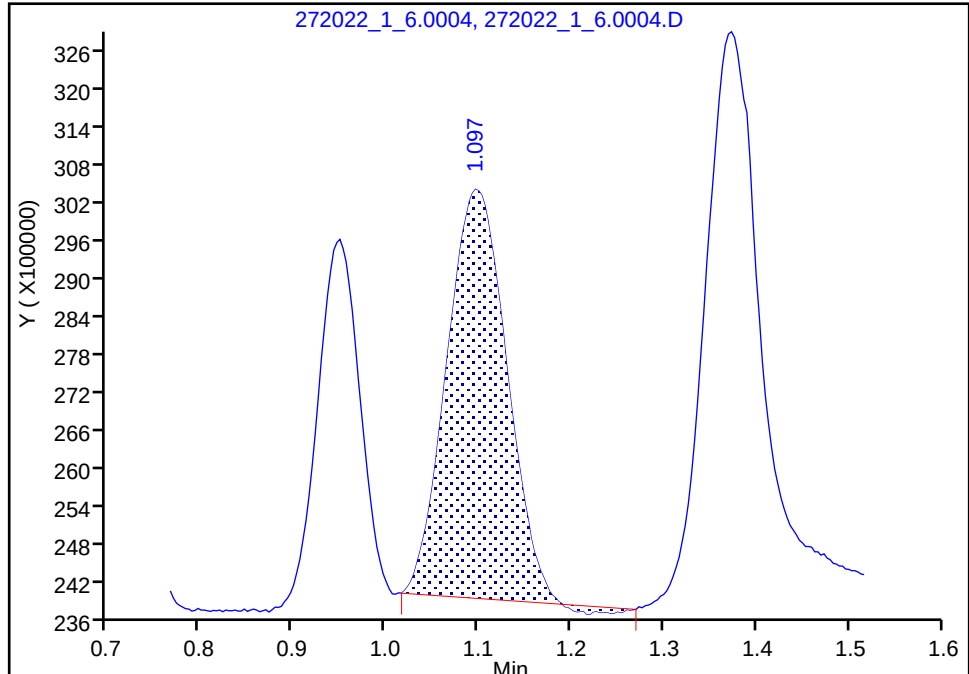
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0004.D
Injection Date: 06-Jan-2022 11:50:00 Instrument ID: 2739
Lims ID: CCVRT
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

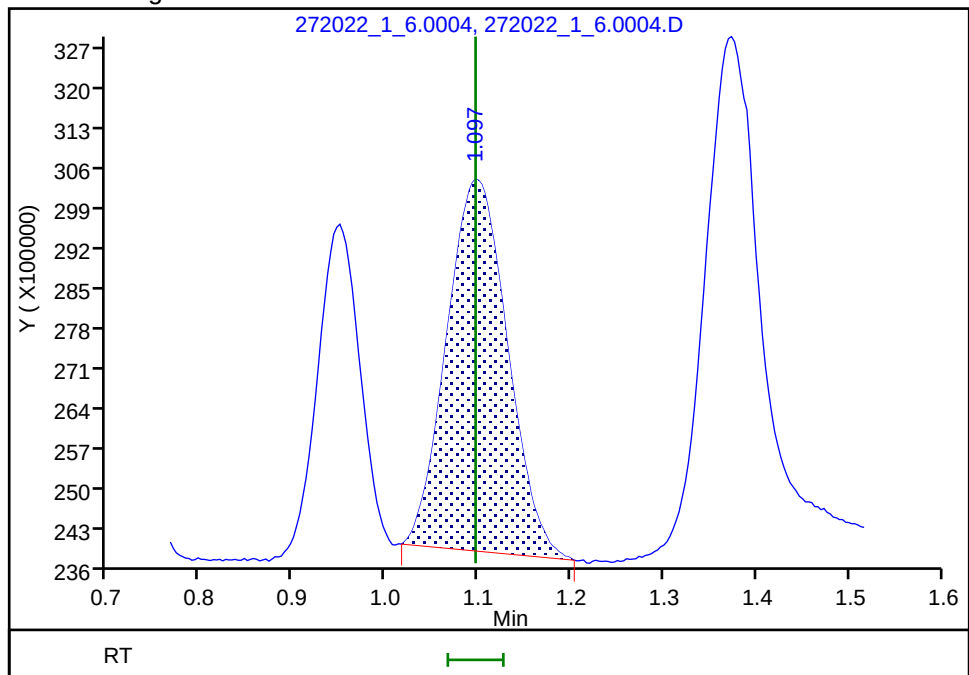
RT: 1.10
Area: 28747394
Amount: 4489.7497
Amount Units: ug/l

Processing Integration Results



RT: 1.10
Area: 29553125
Amount: 4615.5882
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 06-Jan-2022 12:49:35
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

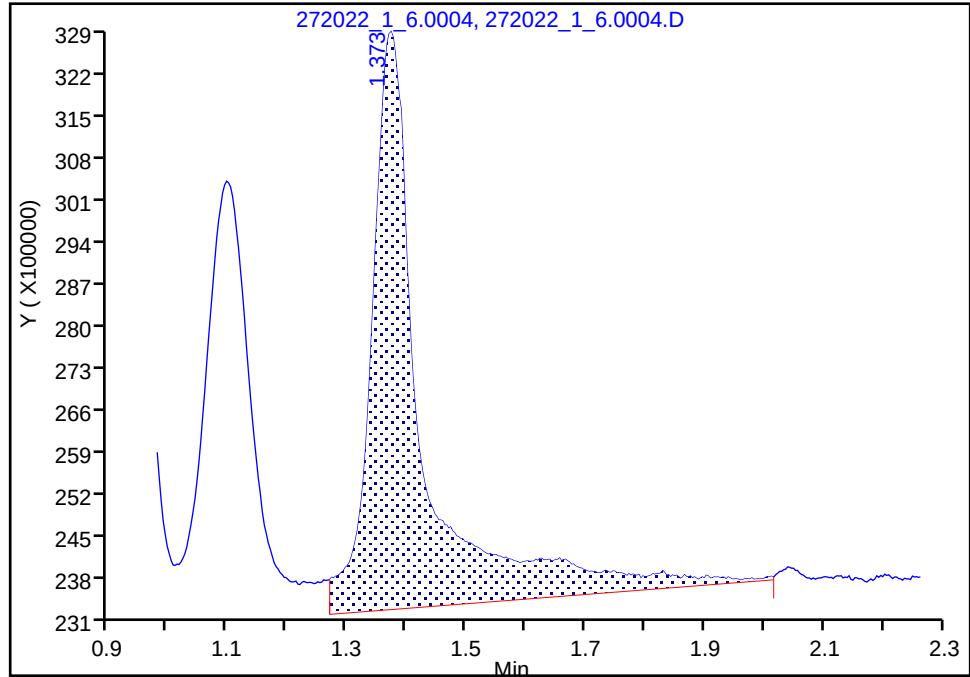
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0004.D
Injection Date: 06-Jan-2022 11:50:00 Instrument ID: 2739
Lims ID: CCVRT
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

7 n-Butanol, CAS: 71-36-3

Signal: 1

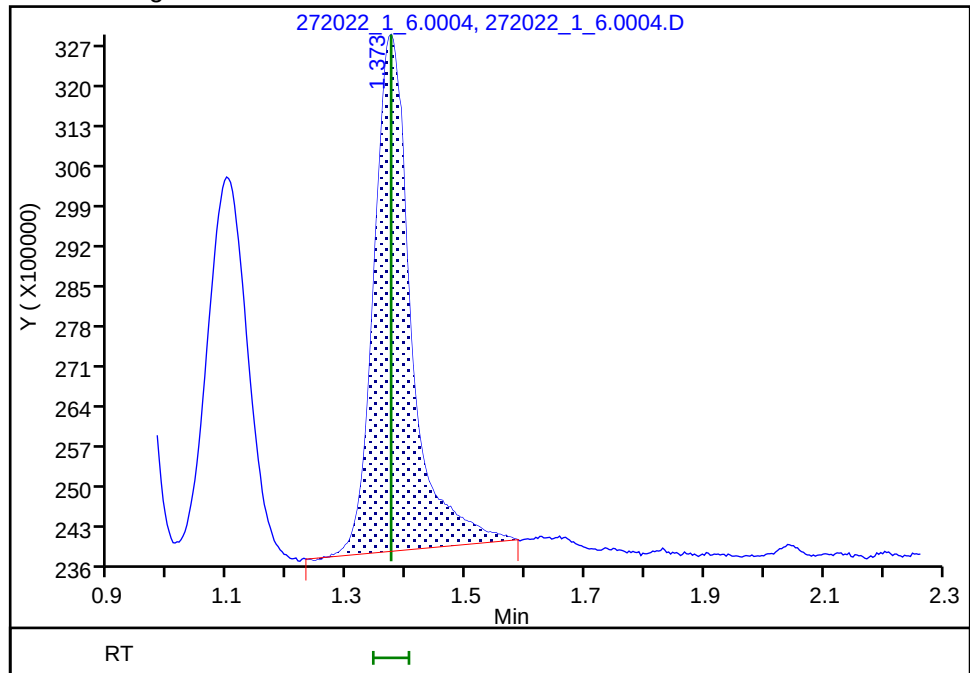
RT: 1.37
Area: 58070827
Amount: 10842
Amount Units: ug/l

Processing Integration Results



RT: 1.37
Area: 39098957
Amount: 7299.8320
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 06-Jan-2022 12:49:38
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: CCVRT 410-212308/4 Calibration Date: 01/06/2022 11:50
Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
GC Column: SP1000 ID: _____ Calib End Date: 12/07/2021 15:02
Lab File ID: 272022_1_6.0004.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	7689	7589		4950	5010	-1.3	20.0
Ethanol	Ave	11192	10829		4840	5000	-3.2	20.0
Isopropanol	Ave	12000	11710		4890	5010	-2.4	20.0
1-Propanol	Ave	14196	14388		5140	5070	1.4	20.0
Acetone	Ave	11880	11281		4760	5010	-5.0	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: CCVRT 410-212308/4 Calibration Date: 01/06/2022 11:50
Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
GC Column: SP1000 ID: _____ Calib End Date: 12/07/2021 15:02
Lab File ID: 272022_1_6.0004.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.71	0.68	0.74
Ethanol	1.63	1.60	1.66
Isopropanol	2.90	2.87	2.93
1-Propanol	3.45	3.41	3.48
Acetone	2.60	2.57	2.63

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0004.D
 Lims ID: CCVRT
 Client ID:
 Sample Type: CCVRT
 Inject. Date: 06-Jan-2022 11:50:00 ALS Bottle#: 0 Worklist Smp#: 4
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: CCVRT
 Misc. Info.: 410-0047889-004
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Jan-2022 06:25:57 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1603

First Level Reviewer: kennedyj

Date: 06-Jan-2022 12:50:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							
1	0.337	0.337	0.000	14078646	5014.0	4704.4	M
2	0.710	0.710	0.000	38048960	5014.0	4948.7	
						RPD = 5.06	
2 Ethanol							
1	0.433	0.433	0.000	18633335	5002.0	4460.4	M
2	1.627	1.627	0.000	54167705	5002.0	4839.7	M
						RPD = 8.16	
3 Isopropyl alcohol							
1	0.533	0.533	0.000	20004686	5010.0	4690.3	
2	2.903	2.903	0.000	58669276	5010.0	4889.3	M
						RPD = 4.15	
4 Propanol							
1	0.717	0.717	0.000	26236456	5069.5	4011.3	M
2	3.447	3.447	0.000	72939591	5069.5	5138.2	
						RPD = 24.63	
\$ 5 Acetone							
1	0.950	0.950	0.000	17789585	5008.0	4313.2	
2	2.603	2.603	0.000	56495833	5008.0	4755.4	M
						RPD = 9.75	
6 Isobutyl alcohol							
1	1.097	1.097	0.000	29553125	5144.2	4615.6	M
7 n-Butanol							
1	1.373	1.373	0.000	39098957	5169.0	7299.8	M

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME3_00033

Amount Added: 1.00

Units: mL

Report Date: 08-Jan-2022 06:25:58

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Euofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0004.D

Injection Date: 06-Jan-2022 11:50:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: CCVRT

Worklist Smp#:

4

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

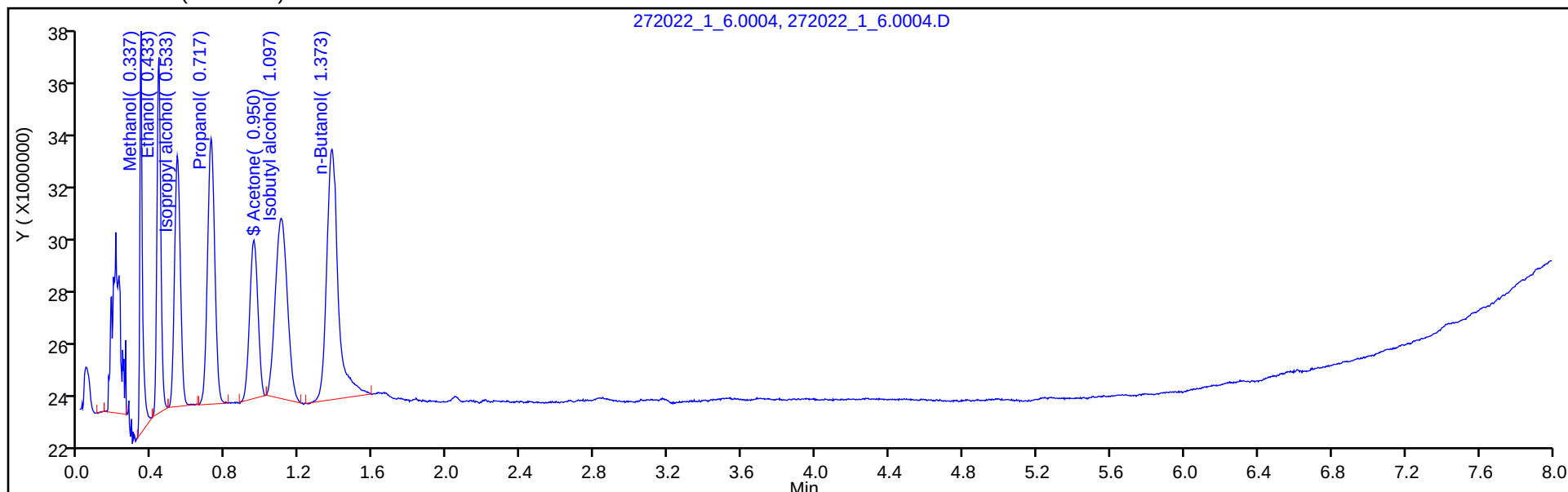
ALS Bottle#:

0

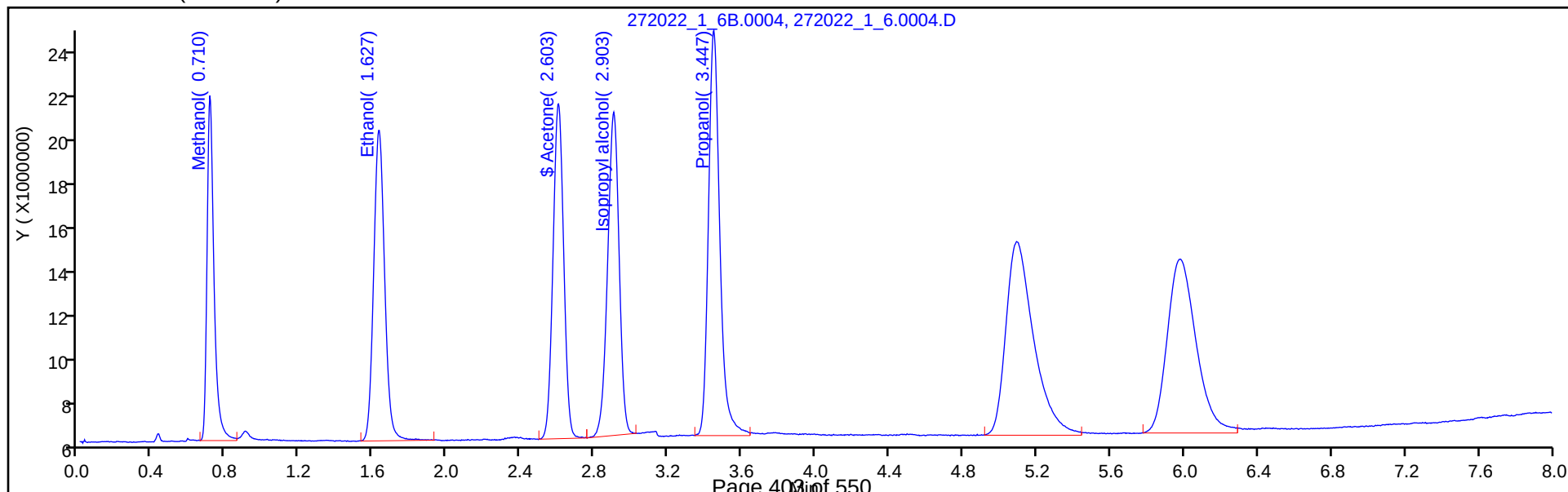
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

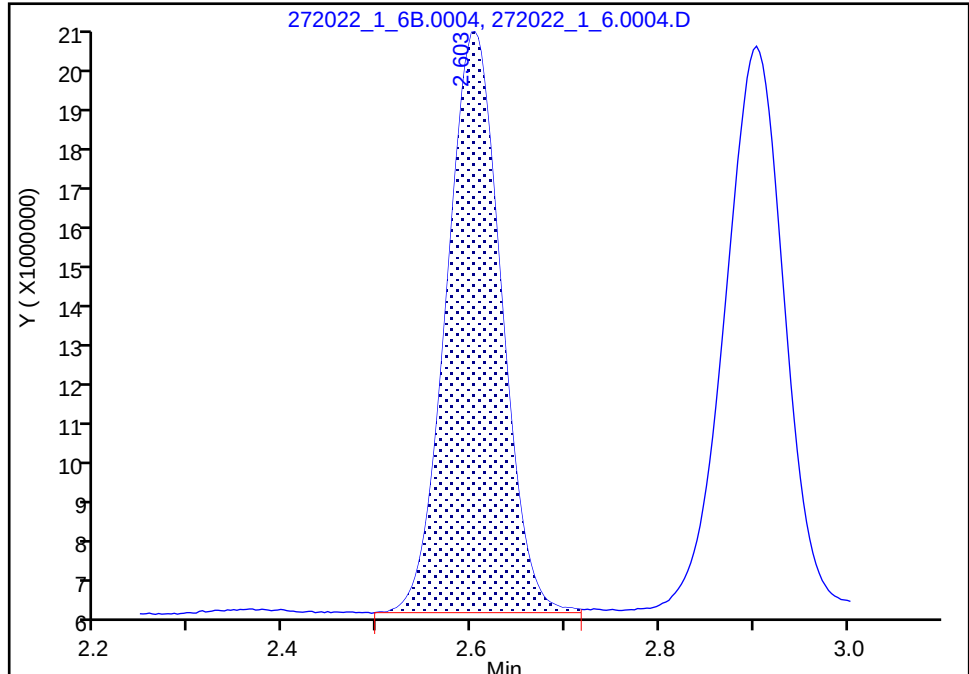
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0004.D
Injection Date: 06-Jan-2022 11:50:00 Instrument ID: 2739
Lims ID: CCVRT
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

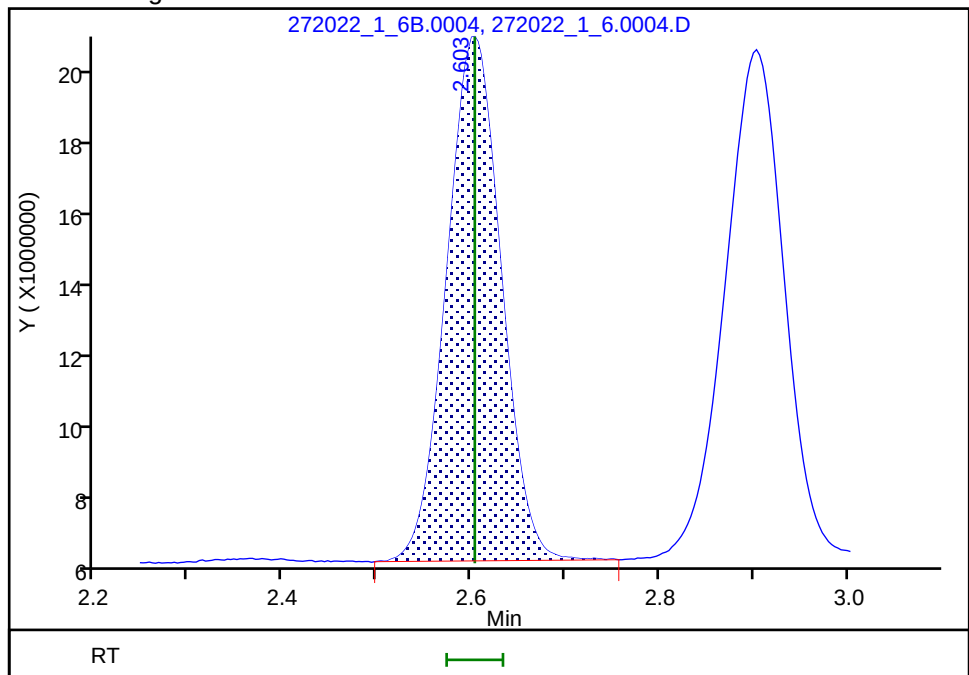
RT: 2.60
Area: 56735414
Amount: 4775.5777
Amount Units: ug/l

Processing Integration Results



RT: 2.60
Area: 56495833
Amount: 4755.4115
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 06-Jan-2022 12:50:03

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

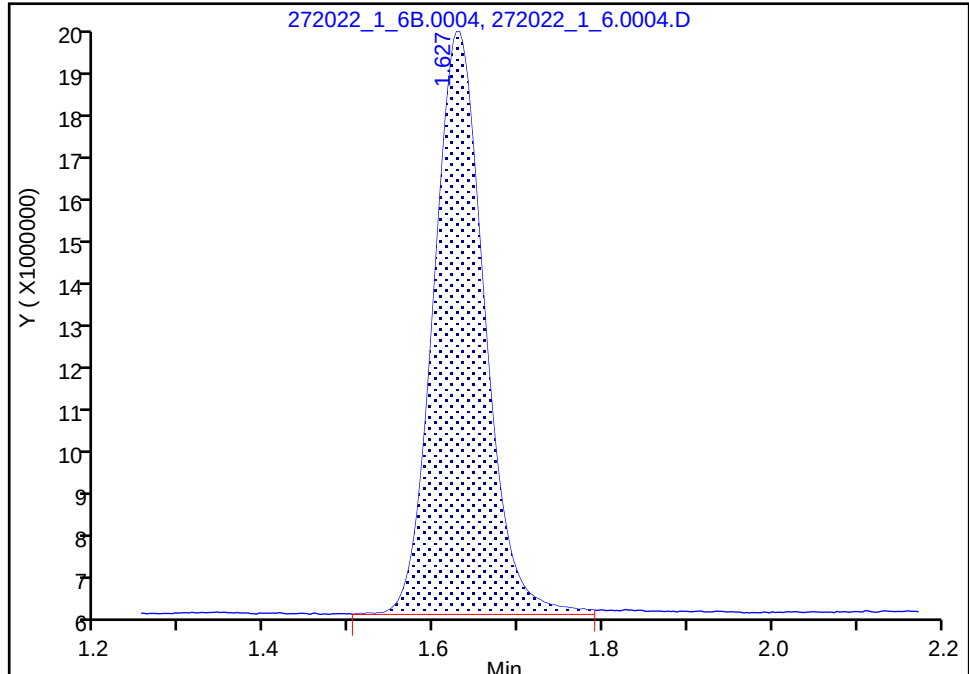
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0004.D
Injection Date: 06-Jan-2022 11:50:00 Instrument ID: 2739
Lims ID: CCVRT
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

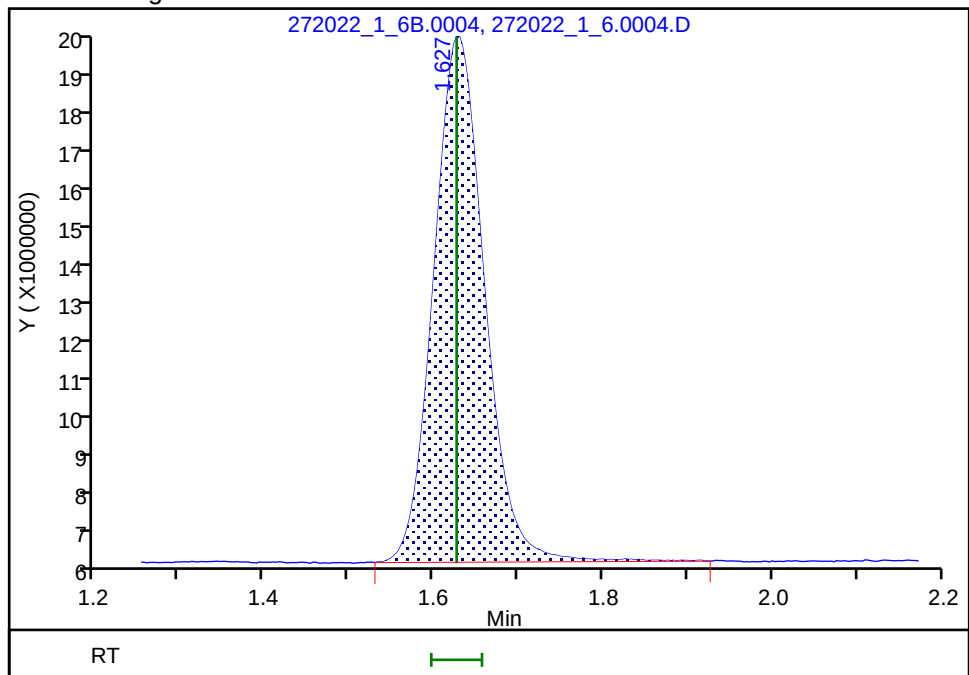
RT: 1.63
Area: 54377079
Amount: 4858.4093
Amount Units: ug/l

Processing Integration Results



RT: 1.63
Area: 54167705
Amount: 4839.7024
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 06-Jan-2022 12:49:59
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 405 of 550

Eurofins Lancaster Laboratories Env, LLC

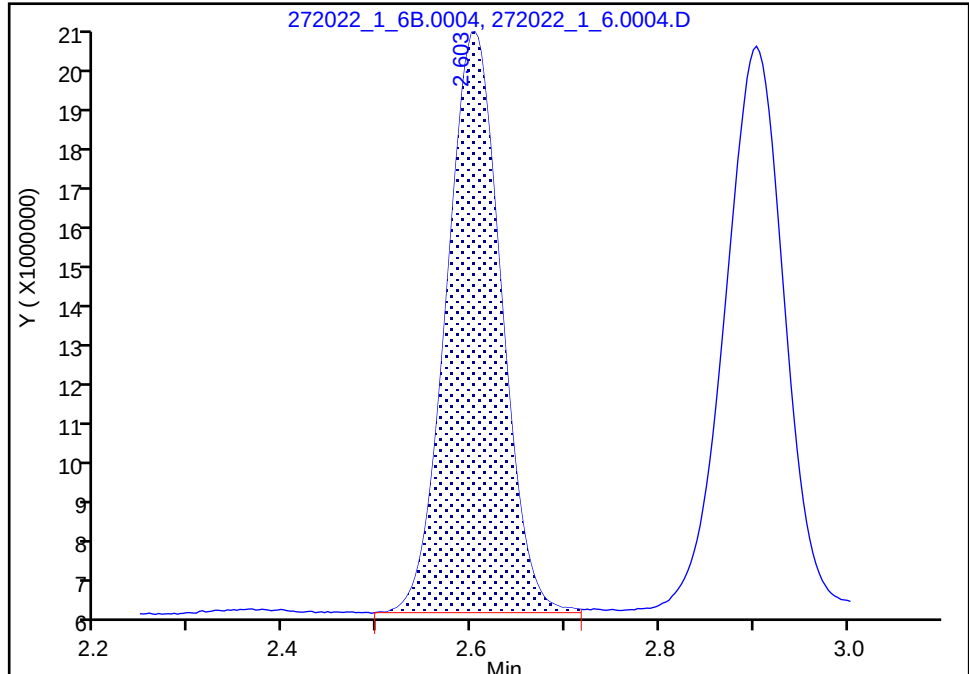
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0004.D
Injection Date: 06-Jan-2022 11:50:00 Instrument ID: 2739
Lims ID: CCVRT
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

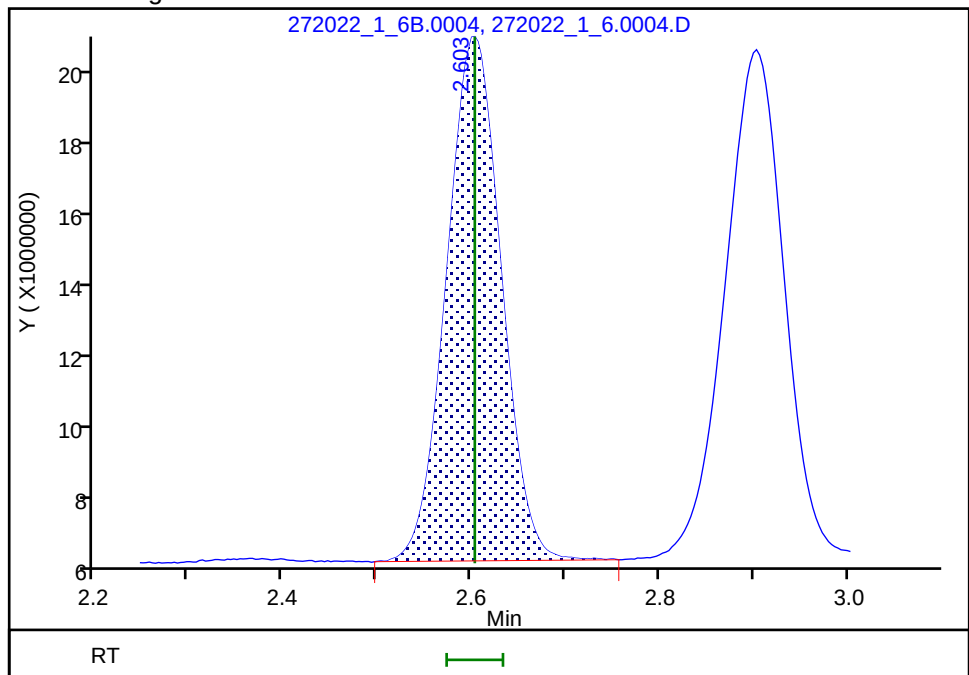
RT: 2.60
Area: 56735414
Amount: 4775.5777
Amount Units: ug/l

Processing Integration Results



RT: 2.60
Area: 56495833
Amount: 4755.4115
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 06-Jan-2022 12:50:03
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

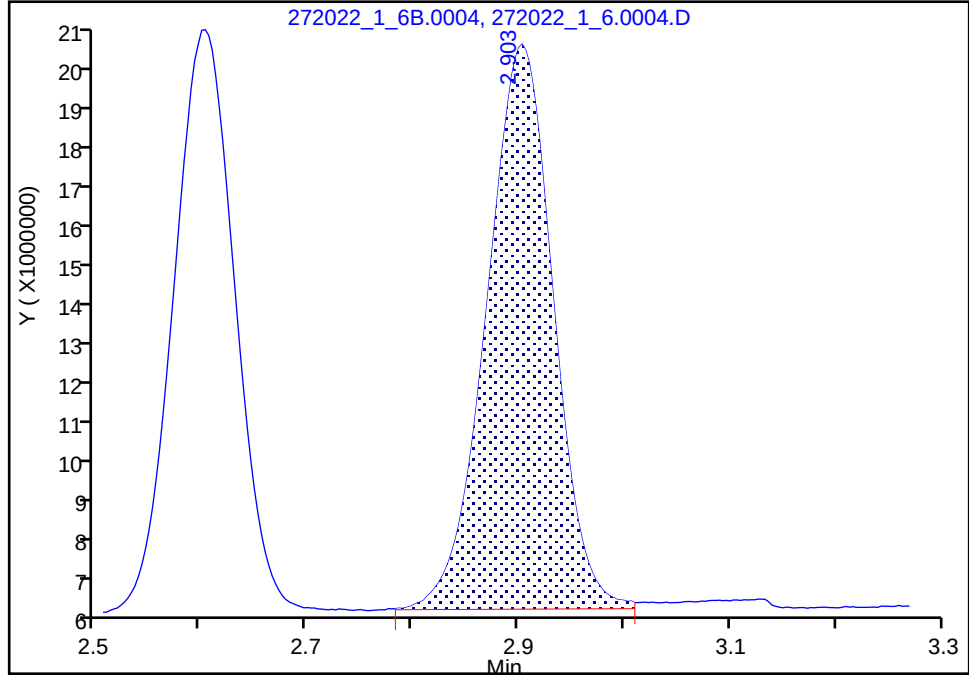
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0004.D
Injection Date: 06-Jan-2022 11:50:00 Instrument ID: 2739
Lims ID: CCVRT
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

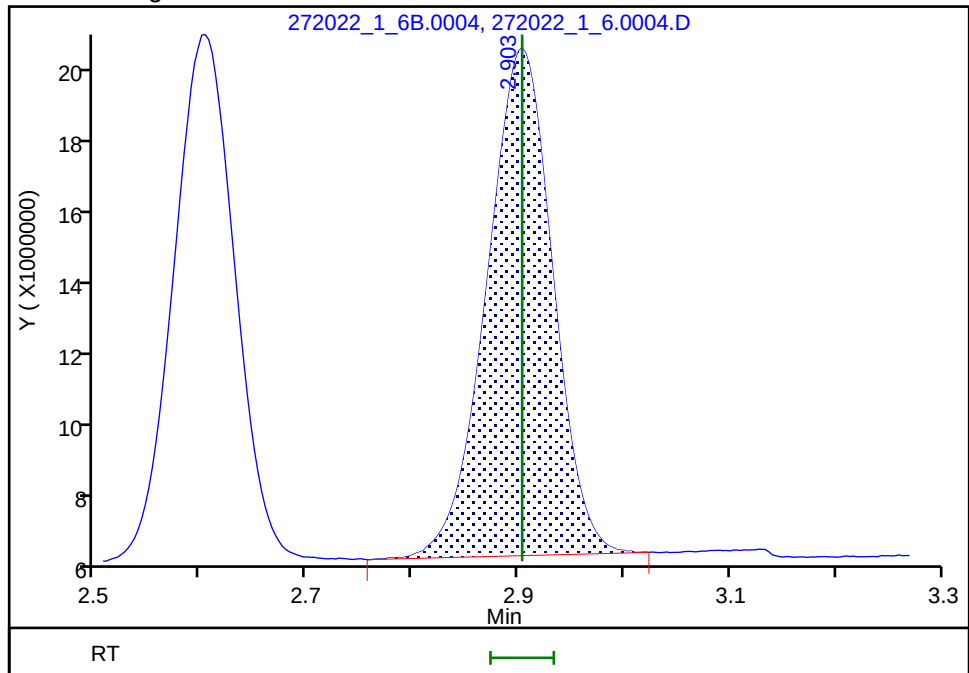
RT: 2.90
Area: 59579307
Amount: 4965.1096
Amount Units: ug/l

Processing Integration Results



RT: 2.90
Area: 58669276
Amount: 4889.2712
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 06-Jan-2022 12:50:05
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
 SDG No.: _____
 Lab Sample ID: CCV 410-212308/10 Calibration Date: 01/06/2022 13:44
 Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
 GC Column: RTX200 ID: _____ Calib End Date: 12/07/2021 15:02
 Lab File ID: 272022_1_6.0010.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	2993	2777		4650	5010	-7.2	20.0
Ethanol	Ave	4177	3695		4420	5000	-11.5	20.0
Isopropanol	Ave	4265	3965		4660	5010	-7.0	20.0
1-Propanol	Ave	6541	5229		4050	5070	-20.1*	20.0
Isobutanol	Ave	6403	5808		4670	5140	-9.3	20.0
1-Butanol	Ave	5356	7912		7640	5170	47.7*	20.0
Acetone	Ave	4124	3576		4340	5010	-13.3	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: CCV 410-212308/10 Calibration Date: 01/06/2022 13:44
Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
GC Column: RTX200 ID: _____ Calib End Date: 12/07/2021 15:02
Lab File ID: 272022_1_6.0010.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.34	0.31	0.37
Ethanol	0.43	0.40	0.46
Isopropanol	0.53	0.50	0.56
1-Propanol	0.72	0.69	0.75
Isobutanol	1.10	1.07	1.13
1-Butanol	1.37	1.34	1.40
Acetone	0.95	0.92	0.98

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0010.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 06-Jan-2022 13:44:00 ALS Bottle#: 0 Worklist Smp#: 10
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ccv
 Misc. Info.: 410-0047889-010
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Jan-2022 06:30:09 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1603

First Level Reviewer: kennedyj

Date: 08-Jan-2022 06:17:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol

Ma

1	0.337	0.337	0.000	13921577	5014.0	4651.9	M
2	0.707	0.710	-0.003	37856251	5014.0	4923.6	a
RPD = 5.67							

2 Ethanol

M

1	0.433	0.433	0.000	18483792	5002.0	4424.6	M
2	1.623	1.627	-0.004	54116673	5002.0	4835.1	M
RPD = 8.87							

3 Isopropyl alcohol

M

1	0.533	0.533	0.000	19866667	5010.0	4657.9	M
2	2.900	2.903	-0.003	58254169	5010.0	4854.7	M
RPD = 4.14							

4 Propanol

M

1	0.717	0.717	0.000	26506253	5069.5	4052.6	M
2	3.440	3.447	-0.007	72545843	5069.5	5110.5	
RPD = 23.09							

\$ 5 Acetone

M

1	0.947	0.950	-0.003	17906769	5008.0	4341.6	
2	2.597	2.603	-0.006	55787501	5008.0	4695.8	M
RPD = 7.84							

6 Isobutyl alcohol

M

1	1.097	1.097	0.000	29876044	5144.2	4666.0	M

7 n-Butanol

Ma

1	1.373	1.373	0.000	40895828	5169.0	7635.3	Ma

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

EPH_LLME3_00033

Amount Added: 1.00

Units: mL

Report Date: 08-Jan-2022 06:30:09

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0010.D

Injection Date: 06-Jan-2022 13:44:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: ccv

Worklist Smp#:

10

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

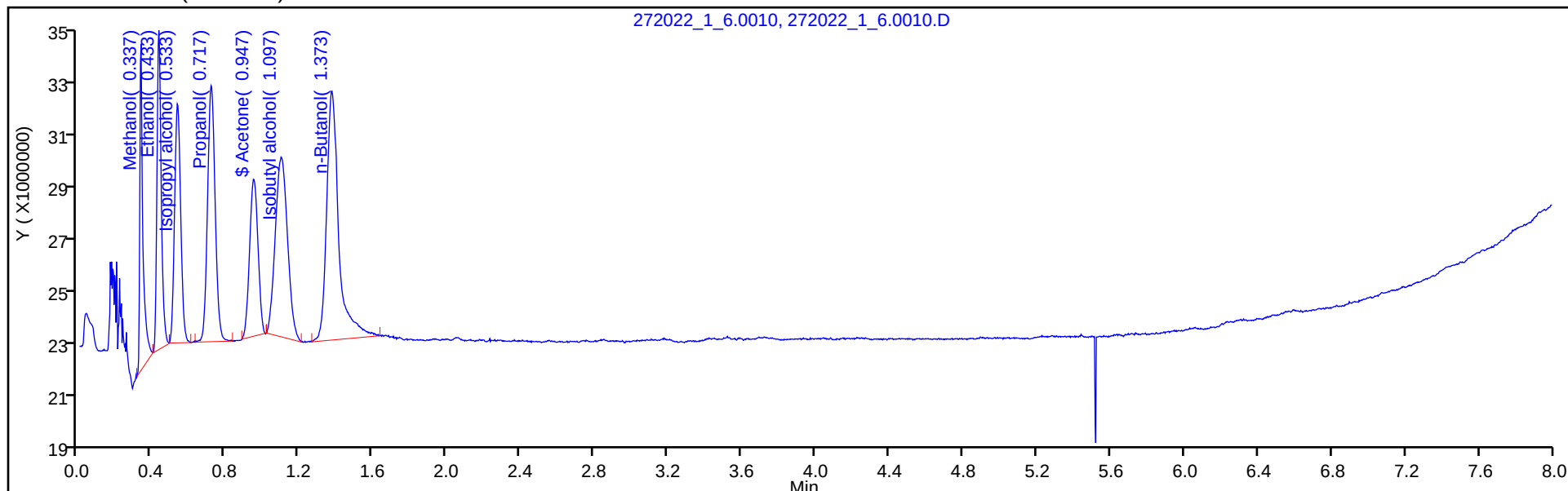
ALS Bottle#:

0

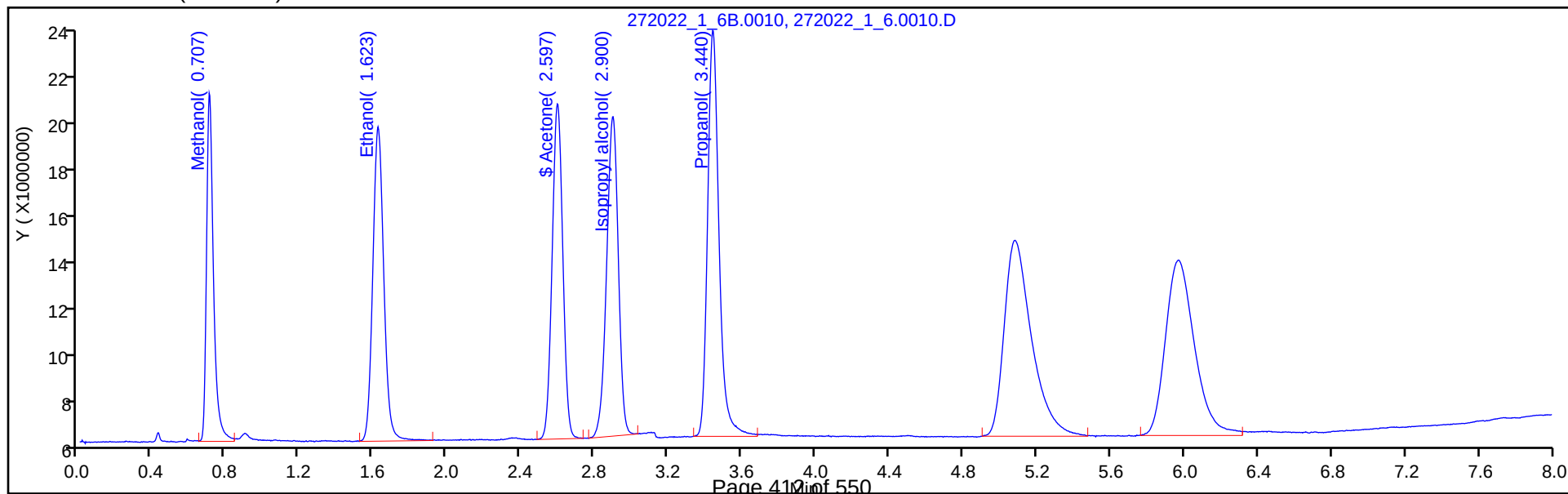
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

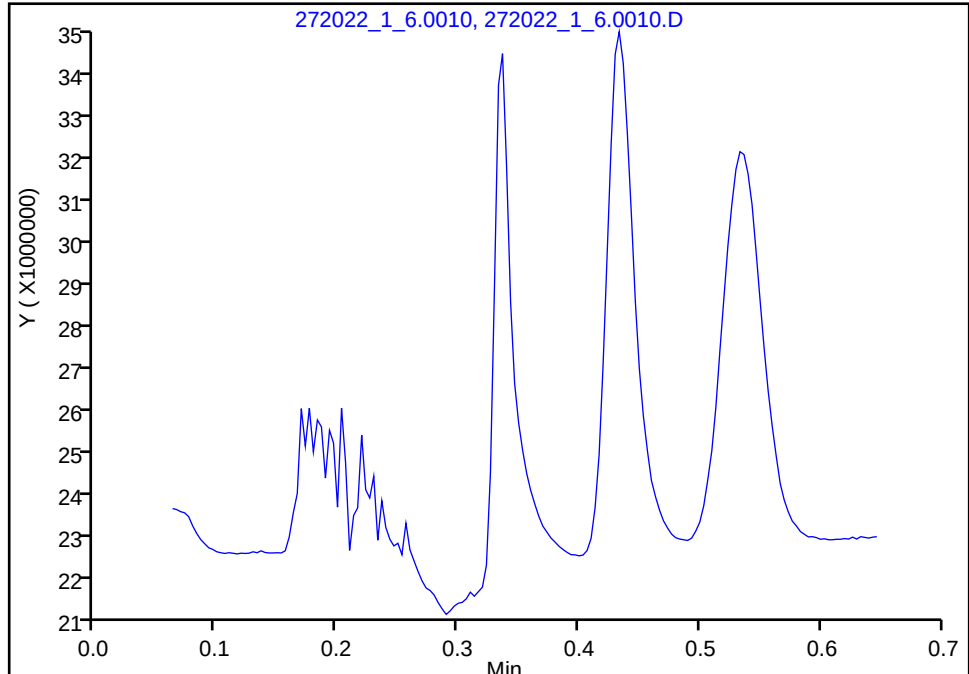
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0010.D
Injection Date: 06-Jan-2022 13:44:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

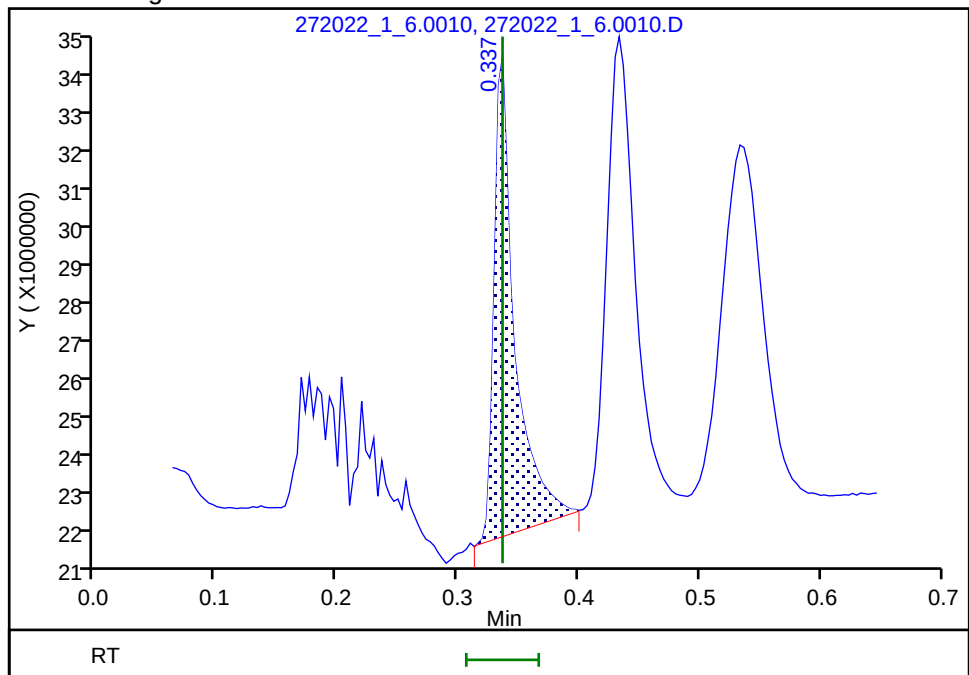
Not Detected
Expected RT: 0.34

Processing Integration Results



RT: 0.34
Area: 13921577
Amount: 4651.8957
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:16:53

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

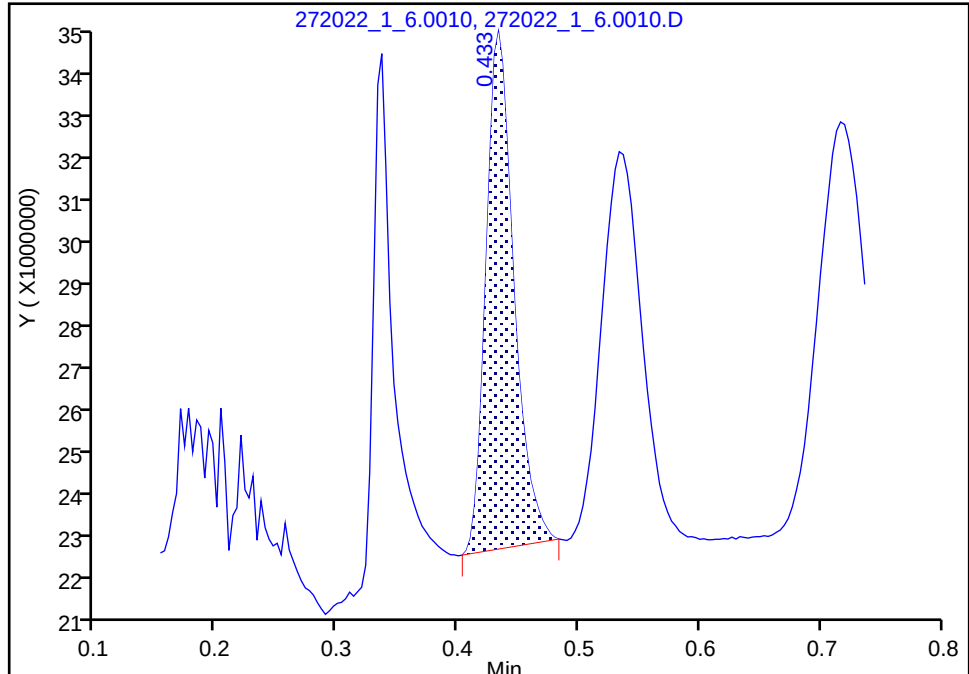
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0010.D
Injection Date: 06-Jan-2022 13:44:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

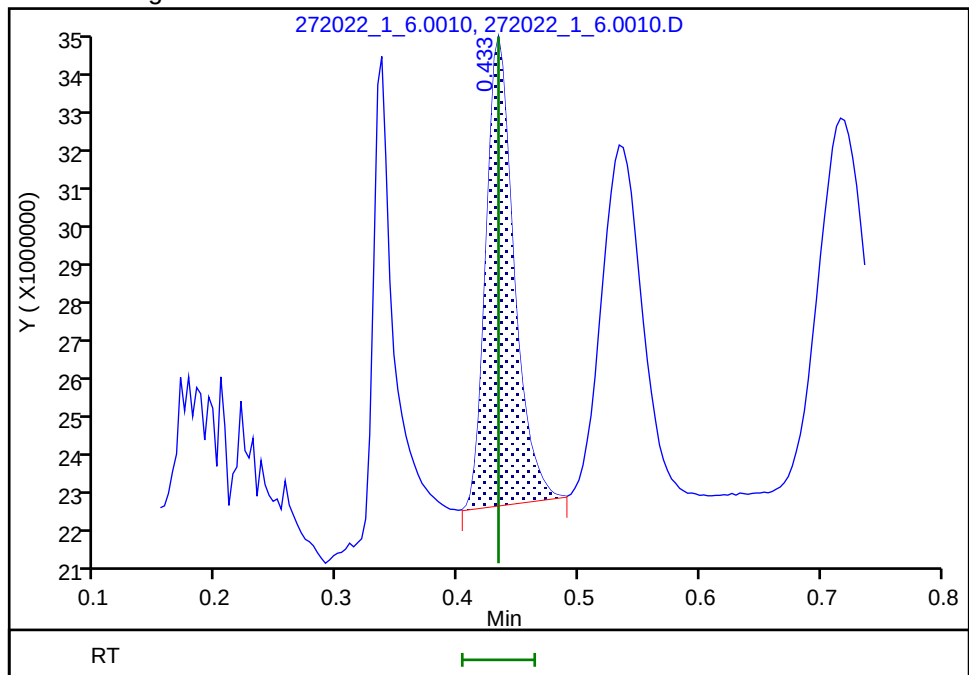
RT: 0.43
Area: 18220836
Amount: 4361.7027
Amount Units: ug/l

Processing Integration Results



RT: 0.43
Area: 18483792
Amount: 4424.6491
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:16:50
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

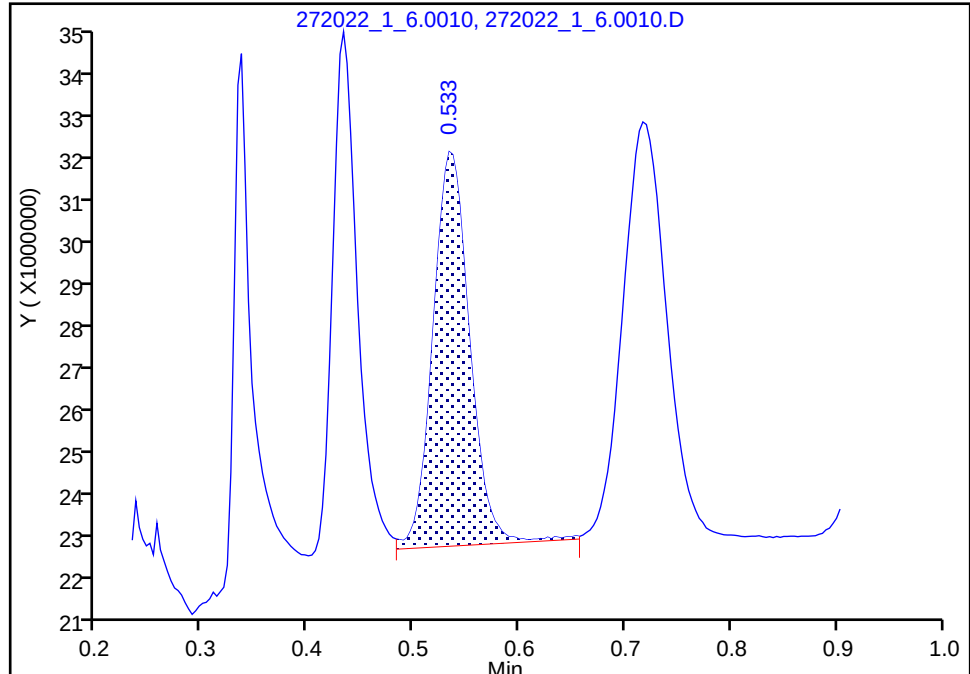
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0010.D
Injection Date: 06-Jan-2022 13:44:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

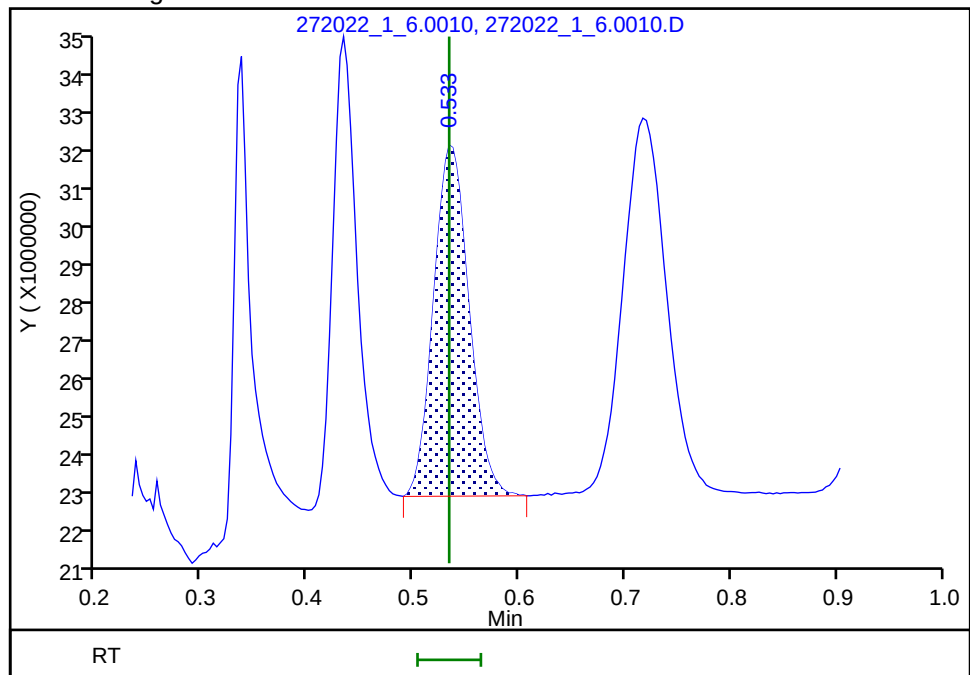
RT: 0.53
Area: 20965519
Amount: 4915.5802
Amount Units: ug/l

Processing Integration Results



RT: 0.53
Area: 19866667
Amount: 4657.9431
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:16:46
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

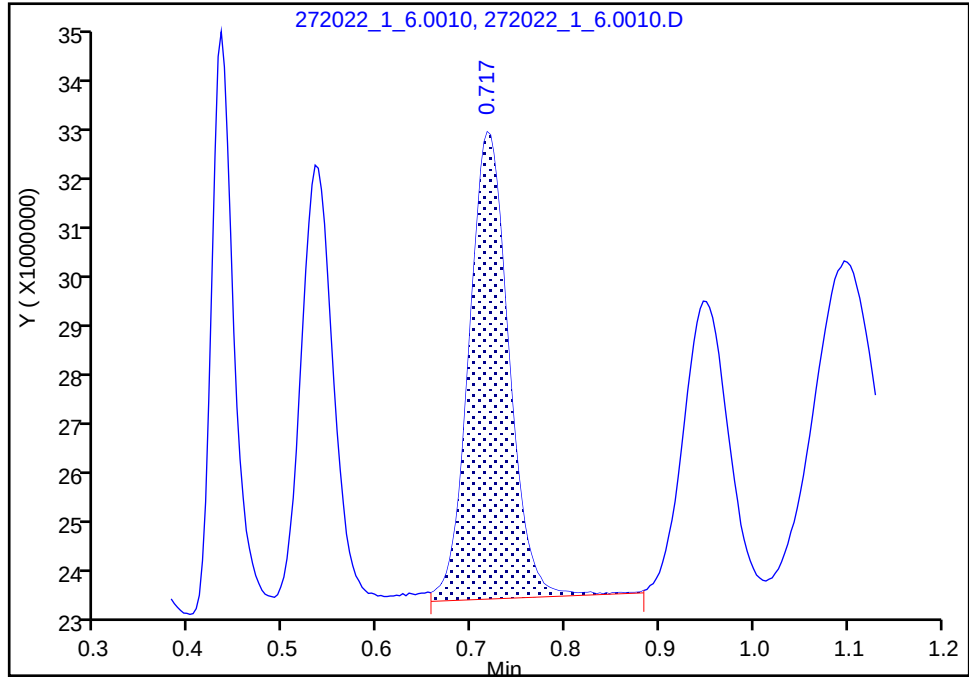
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0010.D
Injection Date: 06-Jan-2022 13:44:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

4 Propanol, CAS: 71-23-8

Signal: 1

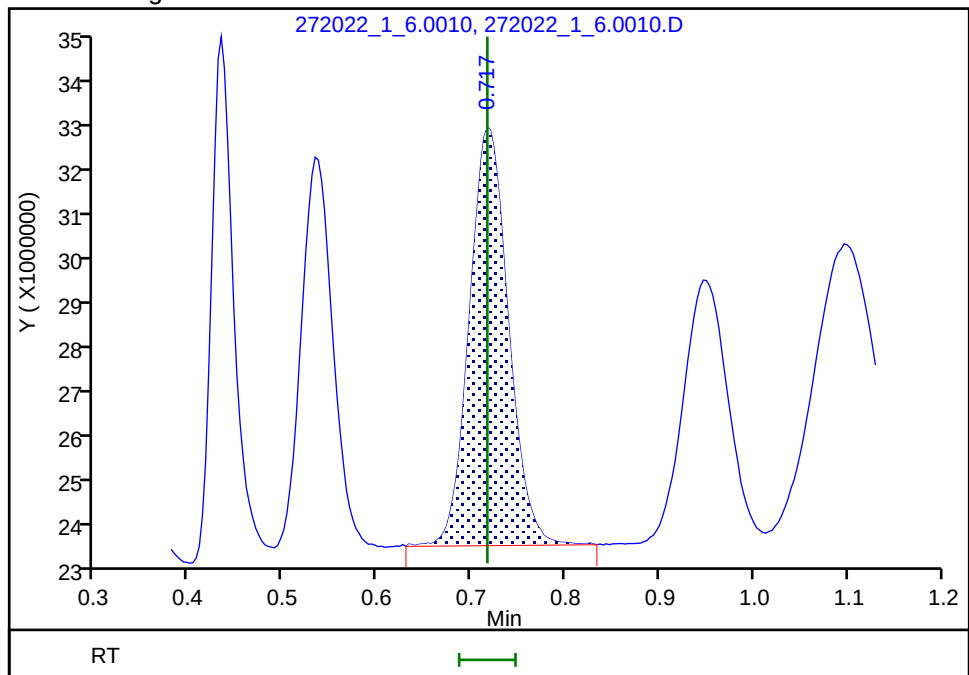
RT: 0.72
Area: 27226217
Amount: 4162.6329
Amount Units: ug/l

Processing Integration Results



RT: 0.72
Area: 26506253
Amount: 4052.5571
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:17:44
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

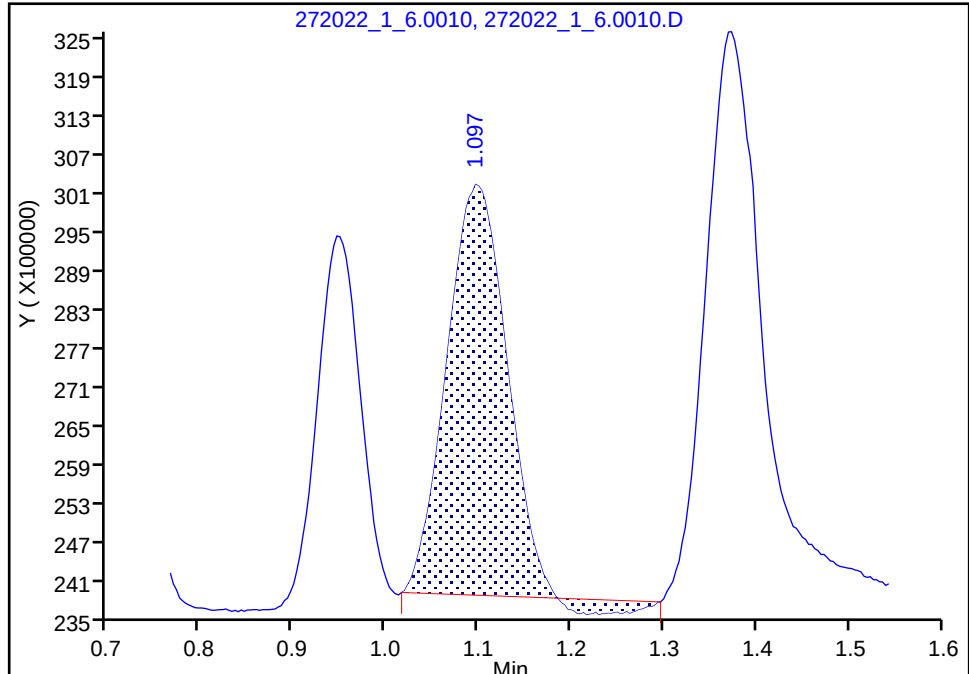
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0010.D
Injection Date: 06-Jan-2022 13:44:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

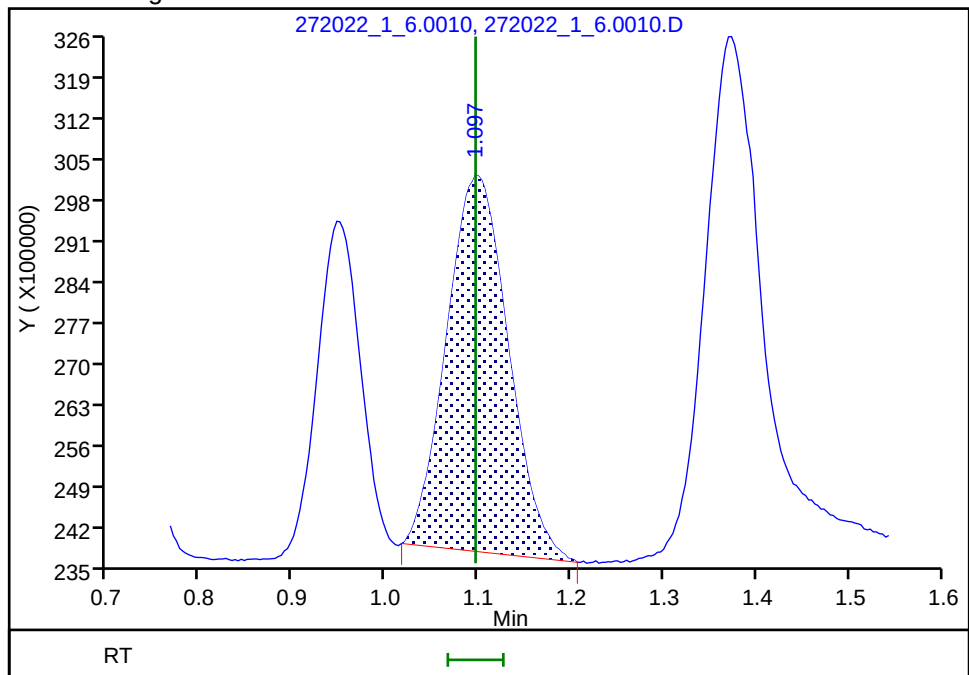
RT: 1.10
Area: 27724998
Amount: 4330.0725
Amount Units: ug/l

Processing Integration Results



RT: 1.10
Area: 29876044
Amount: 4666.0215
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:17:09
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

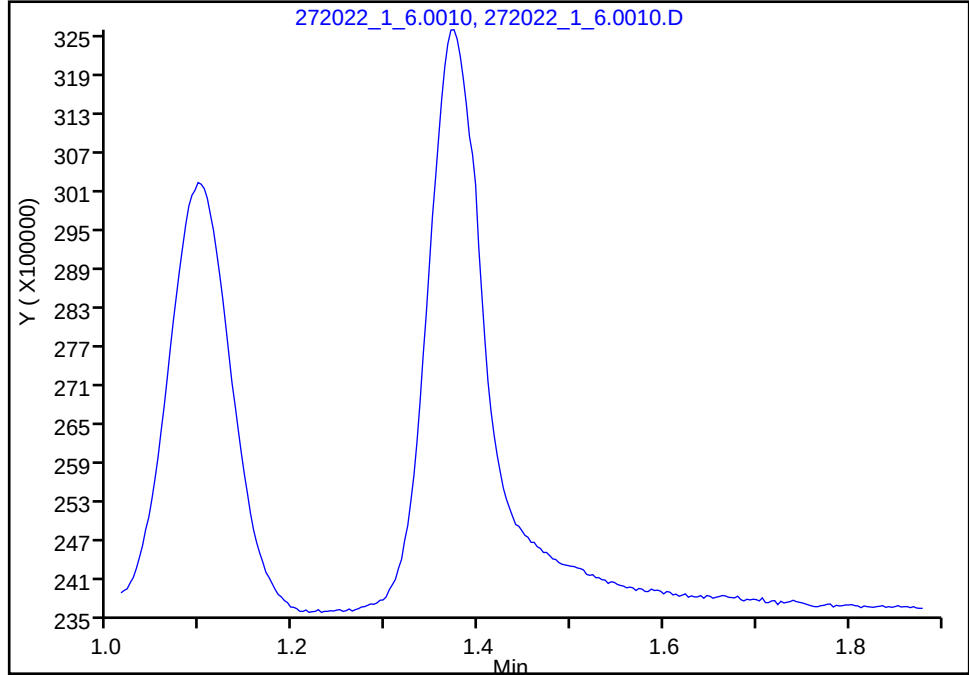
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0010.D
Injection Date: 06-Jan-2022 13:44:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

7 n-Butanol, CAS: 71-36-3

Signal: 1

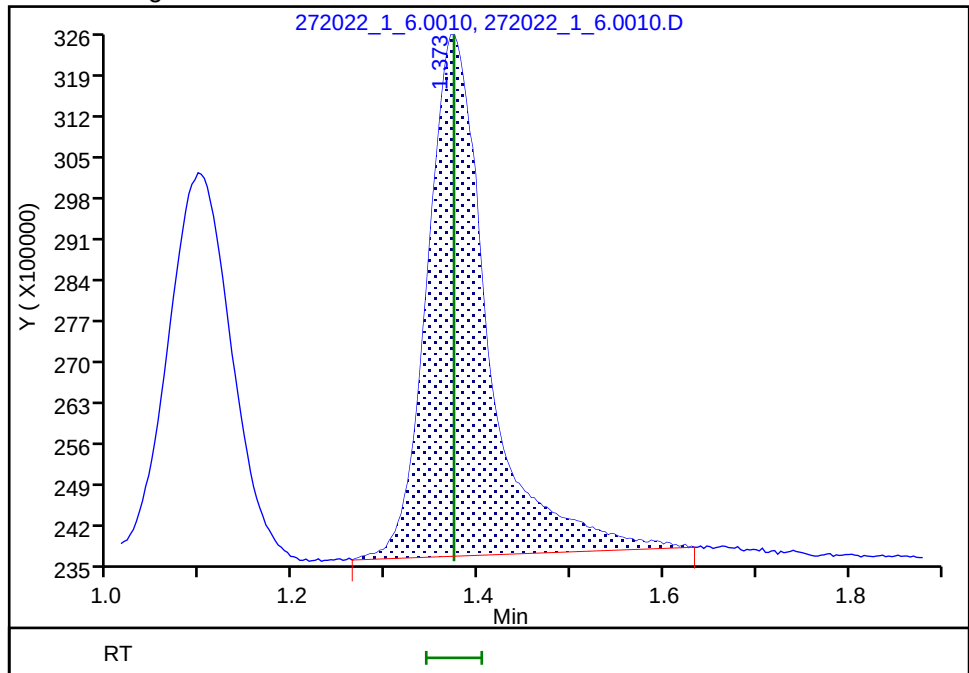
Not Detected
Expected RT: 1.37

Processing Integration Results



RT: 1.37
Area: 40895828
Amount: 7635.3105
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:17:18

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
 SDG No.: _____
 Lab Sample ID: CCV 410-212308/10 Calibration Date: 01/06/2022 13:44
 Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
 GC Column: SP1000 ID: _____ Calib End Date: 12/07/2021 15:02
 Lab File ID: 272022_1_6.0010.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	7689	7550		4920	5010	-1.8	20.0
Ethanol	Ave	11192	10819		4840	5000	-3.3	20.0
Isopropanol	Ave	12000	11628		4850	5010	-3.1	20.0
1-Propanol	Ave	14196	14310		5110	5070	0.8	20.0
Acetone	Ave	11880	11140		4700	5010	-6.2	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: CCV 410-212308/10 Calibration Date: 01/06/2022 13:44
Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
GC Column: SP1000 ID: _____ Calib End Date: 12/07/2021 15:02
Lab File ID: 272022_1_6.0010.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.71	0.68	0.74
Ethanol	1.62	1.60	1.66
Isopropanol	2.90	2.87	2.93
1-Propanol	3.44	3.41	3.48
Acetone	2.60	2.57	2.63

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0010.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 06-Jan-2022 13:44:00 ALS Bottle#: 0 Worklist Smp#: 10
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ccv
 Misc. Info.: 410-0047889-010
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Jan-2022 06:30:09 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1603

First Level Reviewer: kennedyj

Date: 08-Jan-2022 06:17:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol

Ma

1	0.337	0.337	0.000	13921577	5014.0	4651.9	M
2	0.707	0.710	-0.003	37856251	5014.0	4923.6	a
RPD = 5.67							

2 Ethanol

M

1	0.433	0.433	0.000	18483792	5002.0	4424.6	M
2	1.623	1.627	-0.004	54116673	5002.0	4835.1	M
RPD = 8.87							

3 Isopropyl alcohol

M

1	0.533	0.533	0.000	19866667	5010.0	4657.9	M
2	2.900	2.903	-0.003	58254169	5010.0	4854.7	M
RPD = 4.14							

4 Propanol

M

1	0.717	0.717	0.000	26506253	5069.5	4052.6	M
2	3.440	3.447	-0.007	72545843	5069.5	5110.5	
RPD = 23.09							

\$ 5 Acetone

M

1	0.947	0.950	-0.003	17906769	5008.0	4341.6	
2	2.597	2.603	-0.006	55787501	5008.0	4695.8	M
RPD = 7.84							

6 Isobutyl alcohol

M

1	1.097	1.097	0.000	29876044	5144.2	4666.0	M

7 n-Butanol

Ma

1	1.373	1.373	0.000	40895828	5169.0	7635.3	Ma

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

EPH_LLME3_00033

Amount Added: 1.00

Units: mL

Report Date: 08-Jan-2022 06:30:09

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0010.D

Injection Date: 06-Jan-2022 13:44:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: ccv

Worklist Smp#:

10

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

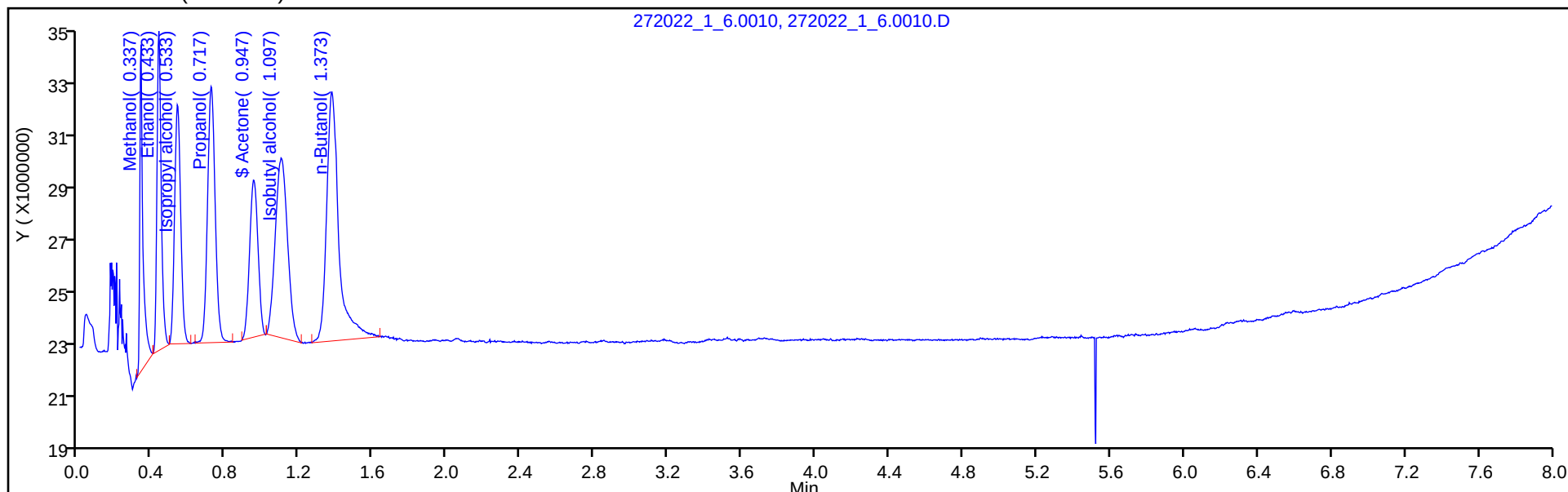
ALS Bottle#:

0

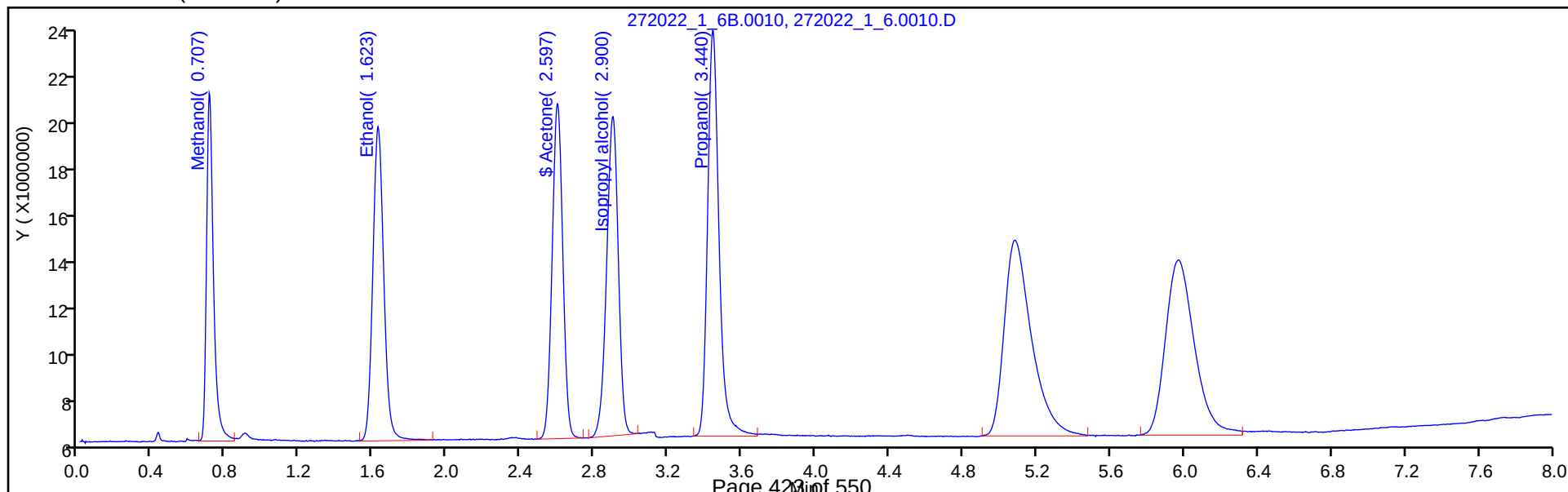
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

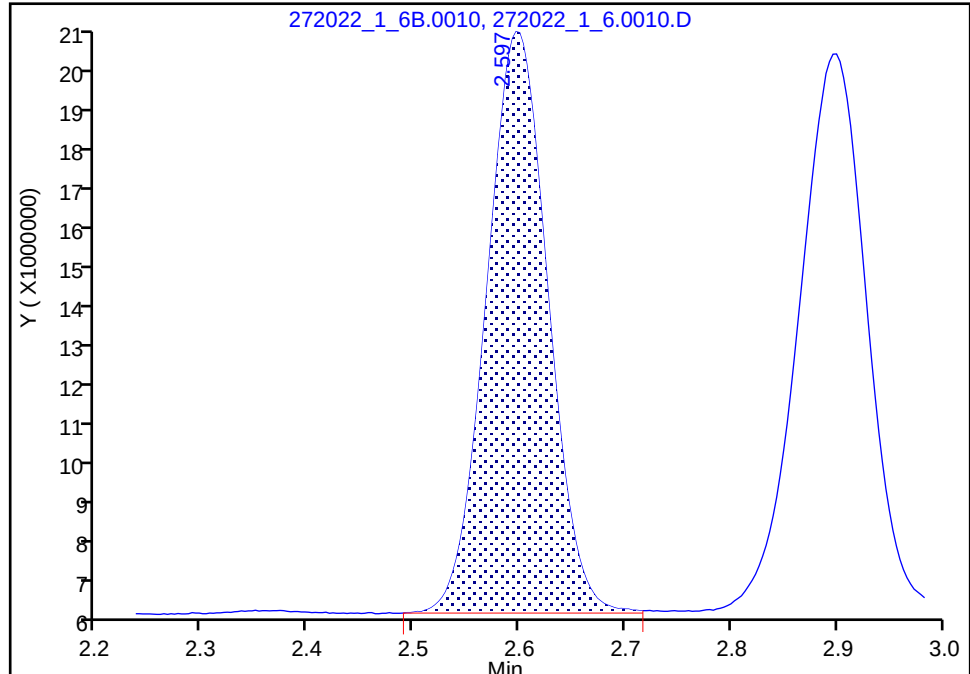
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0010.D
Injection Date: 06-Jan-2022 13:44:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

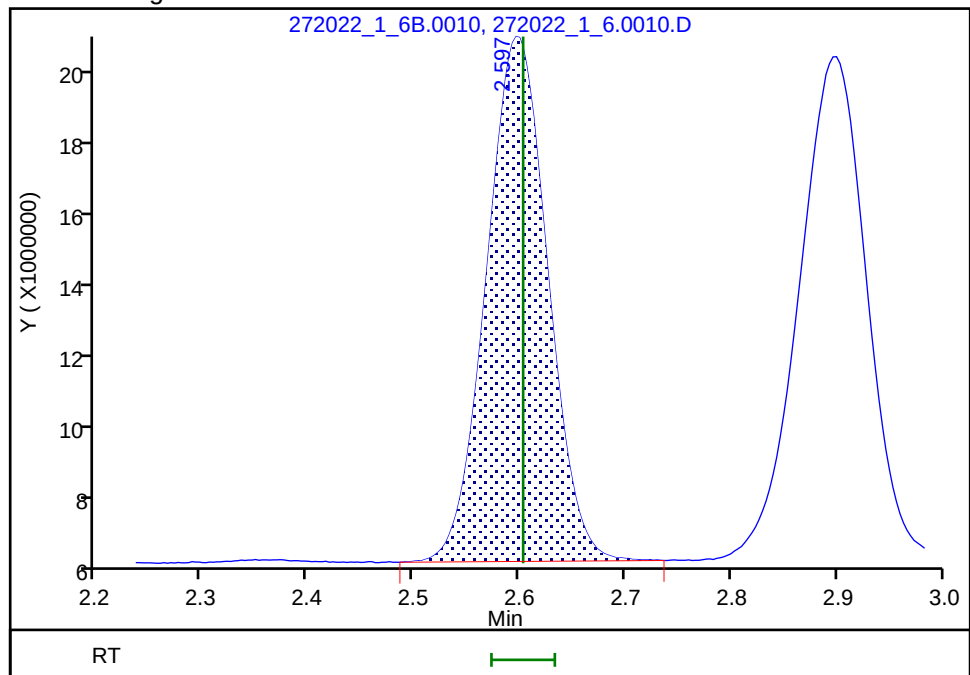
RT: 2.60
Area: 56003131
Amount: 4713.9394
Amount Units: ug/l

Processing Integration Results



RT: 2.60
Area: 55787501
Amount: 4695.7892
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:17:31

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

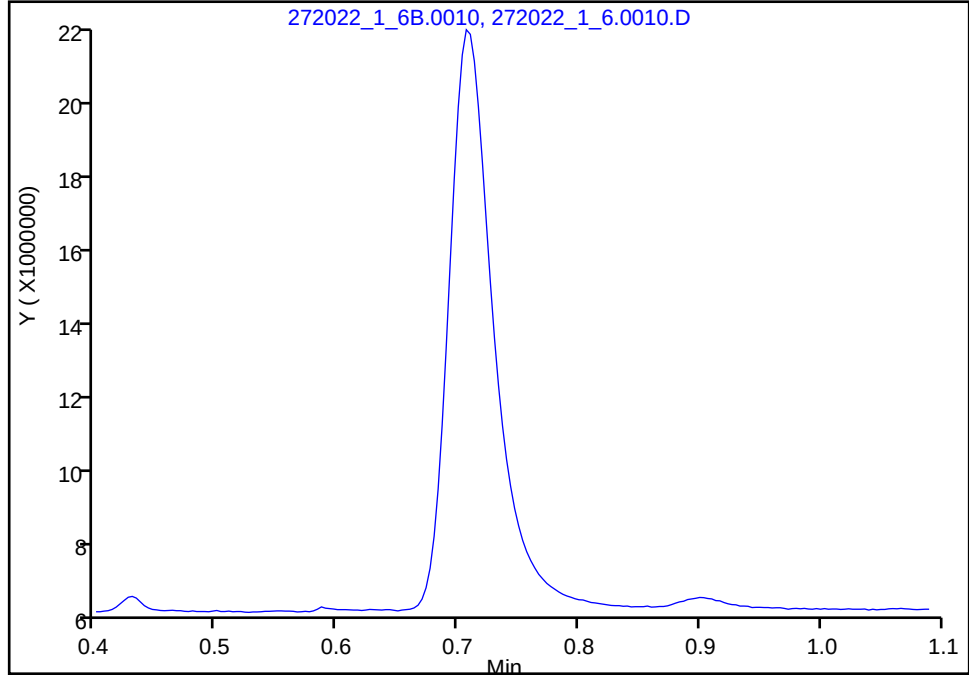
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0010.D
Injection Date: 06-Jan-2022 13:44:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

1 Methanol, CAS: 67-56-1

Signal: 2

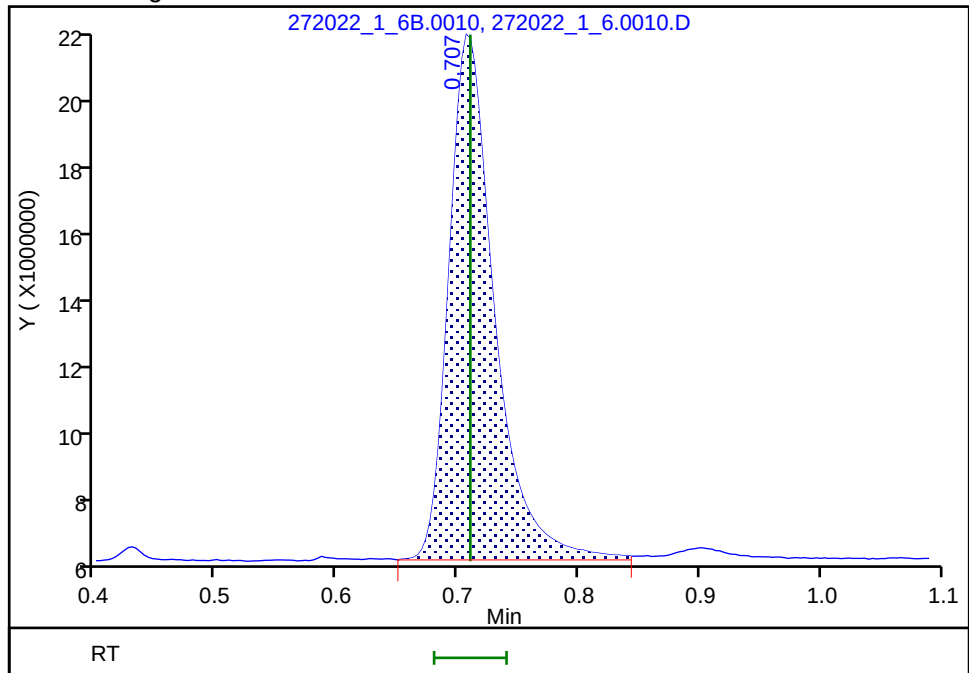
Not Detected
Expected RT: 0.71

Processing Integration Results



RT: 0.71
Area: 37856251
Amount: 4923.5873
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:11:55

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

Eurofins Lancaster Laboratories Env, LLC

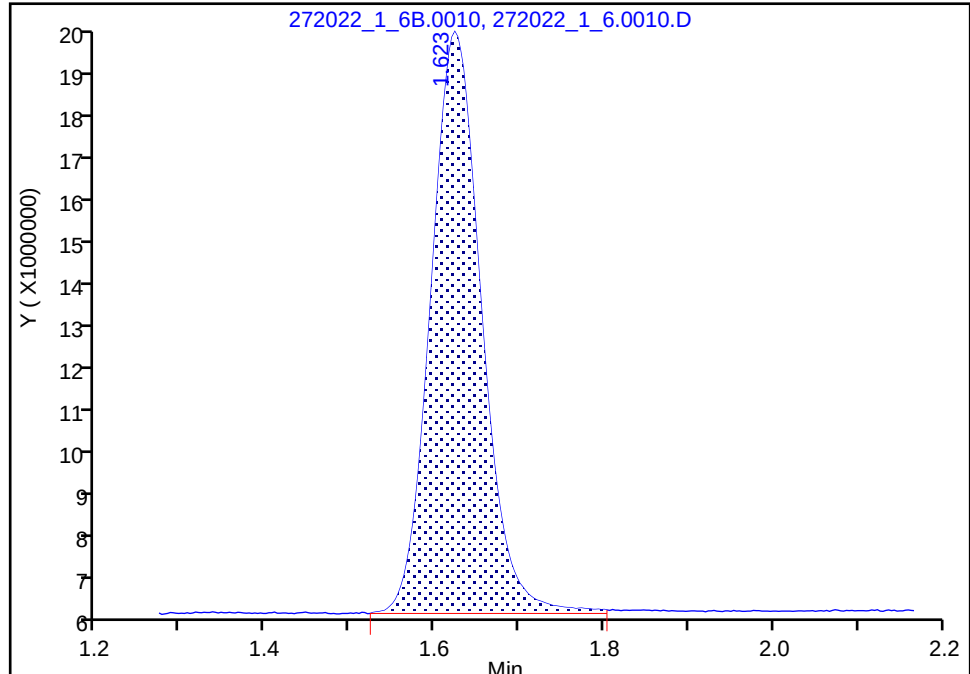
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0010.D
Injection Date: 06-Jan-2022 13:44:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

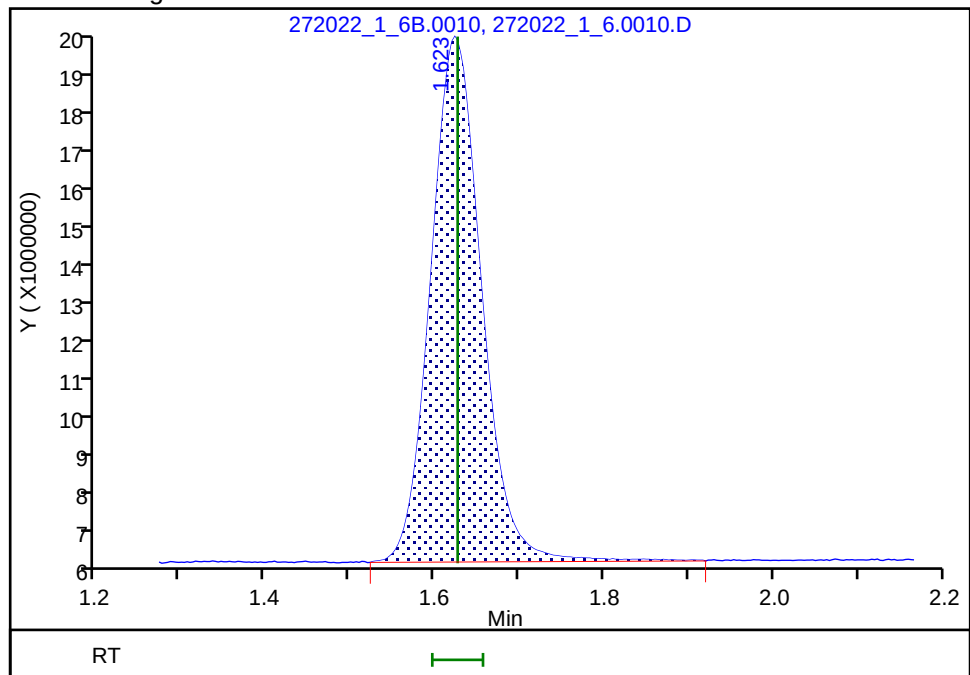
RT: 1.62
Area: 54109377
Amount: 4834.4910
Amount Units: ug/l

Processing Integration Results



RT: 1.62
Area: 54116673
Amount: 4835.1429
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:17:28
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

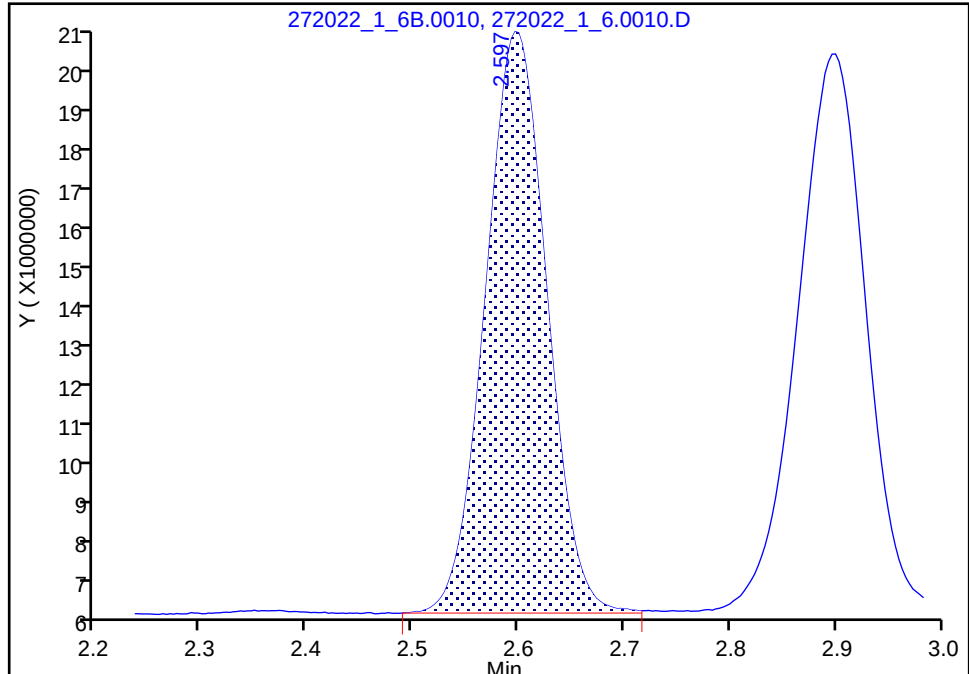
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0010.D
Injection Date: 06-Jan-2022 13:44:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

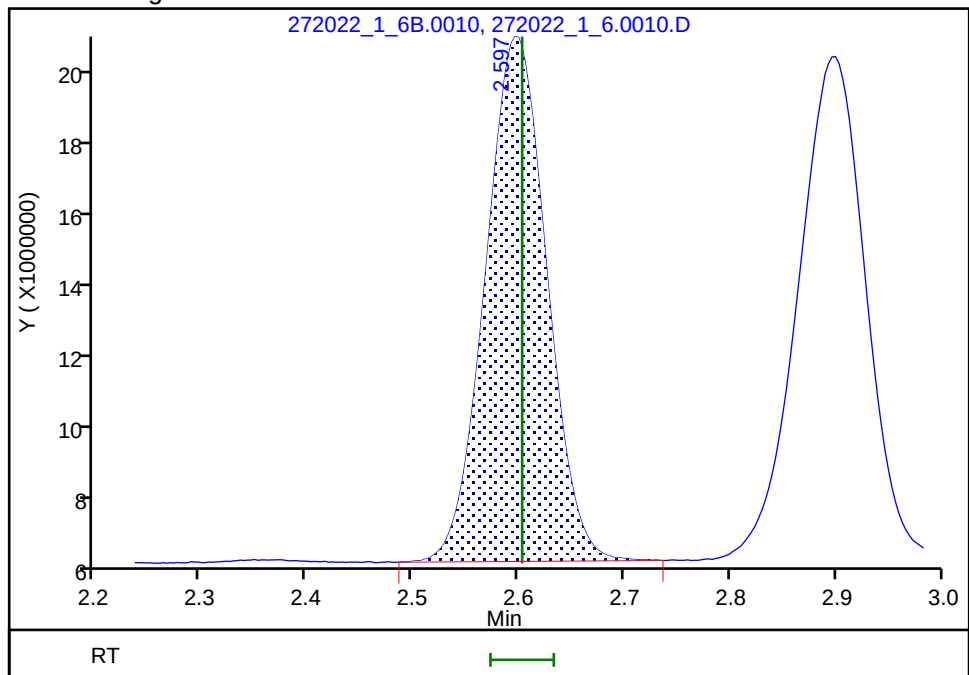
RT: 2.60
Area: 56003131
Amount: 4713.9394
Amount Units: ug/l

Processing Integration Results



RT: 2.60
Area: 55787501
Amount: 4695.7892
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:17:31

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

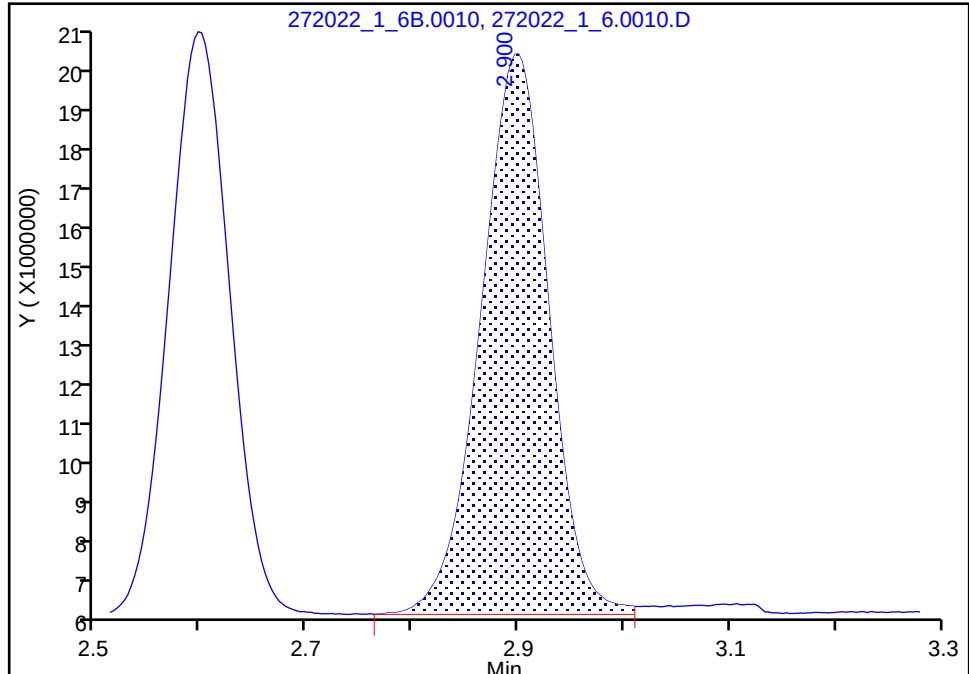
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0010.D
Injection Date: 06-Jan-2022 13:44:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

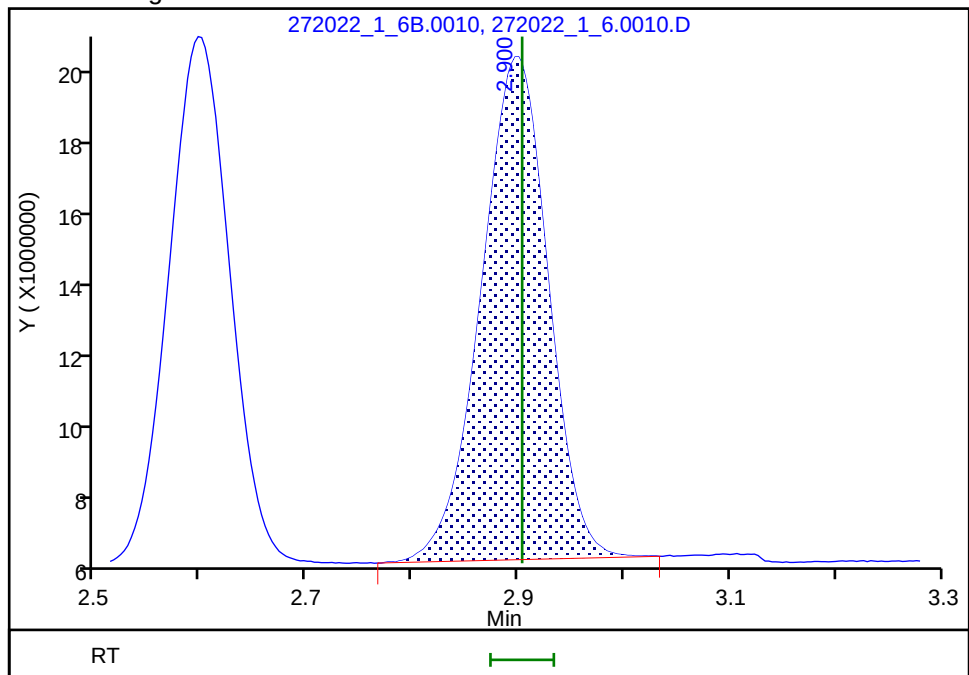
RT: 2.90
Area: 59507294
Amount: 4959.1084
Amount Units: ug/l

Processing Integration Results



RT: 2.90
Area: 58254169
Amount: 4854.6778
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:17:35

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
 SDG No.: _____
 Lab Sample ID: CCV 410-212308/19 Calibration Date: 01/06/2022 16:33
 Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
 GC Column: RTX200 ID: _____ Calib End Date: 12/07/2021 15:02
 Lab File ID: 272022_1_6.0019.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	2993	2675		4480	5010	-10.6	20.0
Ethanol	Ave	4177	3418		4090	5000	-18.2	20.0
Isopropanol	Ave	4265	3695		4340	5010	-13.4	20.0
1-Propanol	Ave	6541	5152		3990	5070	-21.2*	20.0
Isobutanol	Ave	6403	5664		4550	5140	-11.5	20.0
1-Butanol	Ave	5356	8054		7770	5170	50.4*	20.0
Acetone	Ave	4124	3440		4180	5010	-16.6	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: CCV 410-212308/19 Calibration Date: 01/06/2022 16:33
Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
GC Column: RTX200 ID: _____ Calib End Date: 12/07/2021 15:02
Lab File ID: 272022_1_6.0019.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.34	0.31	0.37
Ethanol	0.44	0.40	0.46
Isopropanol	0.54	0.50	0.56
1-Propanol	0.72	0.69	0.75
Isobutanol	1.11	1.07	1.13
1-Butanol	1.38	1.34	1.40
Acetone	0.95	0.92	0.98

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0019.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 06-Jan-2022 16:33:00 ALS Bottle#: 0 Worklist Smp#: 19
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ccv
 Misc. Info.: 410-0047889-019
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Jan-2022 06:26:07 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1603

First Level Reviewer: kennedyj

Date: 08-Jan-2022 06:10:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.337	0.337	0.000	13414143	5014.0	4482.3	M
2	0.717	0.710	0.007	37675005	5014.0	4900.0	
RPD = 8.90							
2 Ethanol							Ma
1	0.437	0.433	0.004	17098385	5002.0	4093.0	M
2	1.633	1.627	0.006	53794795	5002.0	4806.4	M
RPD = 16.03							
3 Isopropyl alcohol							M
1	0.540	0.533	0.007	18511748	5010.0	4340.3	M
2	2.900	2.903	-0.003	58531248	5010.0	4877.8	M
RPD = 11.66							
4 Propanol							M
1	0.723	0.717	0.006	26119275	5069.5	3993.4	M
2	3.443	3.447	-0.004	72809378	5069.5	5129.0	
RPD = 24.90							
\$ 5 Acetone							M
1	0.953	0.950	0.003	17226563	5008.0	4176.7	
2	2.600	2.603	-0.003	56034898	5008.0	4716.6	M
RPD = 12.14							
6 Isobutyl alcohol							M
1	1.107	1.097	0.010	29138019	5144.2	4550.8	M
7 n-Butanol							
1	1.377	1.373	0.003	41629689	5169.0	7772.3	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

EPH_LLME3_00033

Amount Added: 1.00

Units: mL

Report Date: 08-Jan-2022 06:26:07

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0019.D

Injection Date: 06-Jan-2022 16:33:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: ccv

Worklist Smp#:

19

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

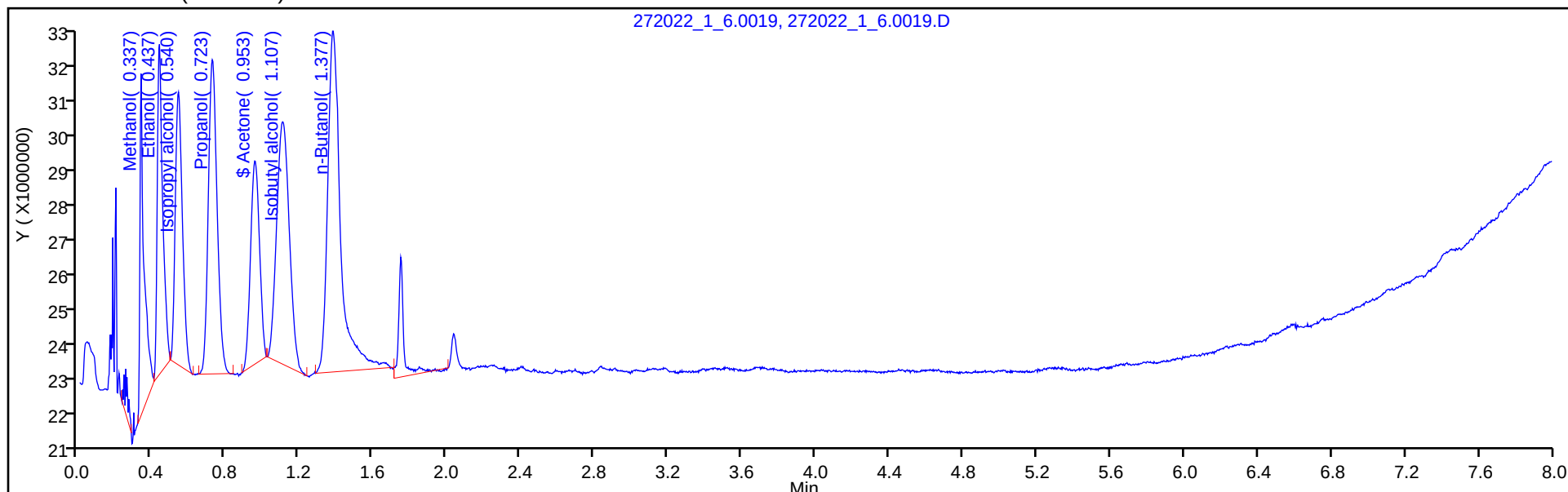
ALS Bottle#:

0

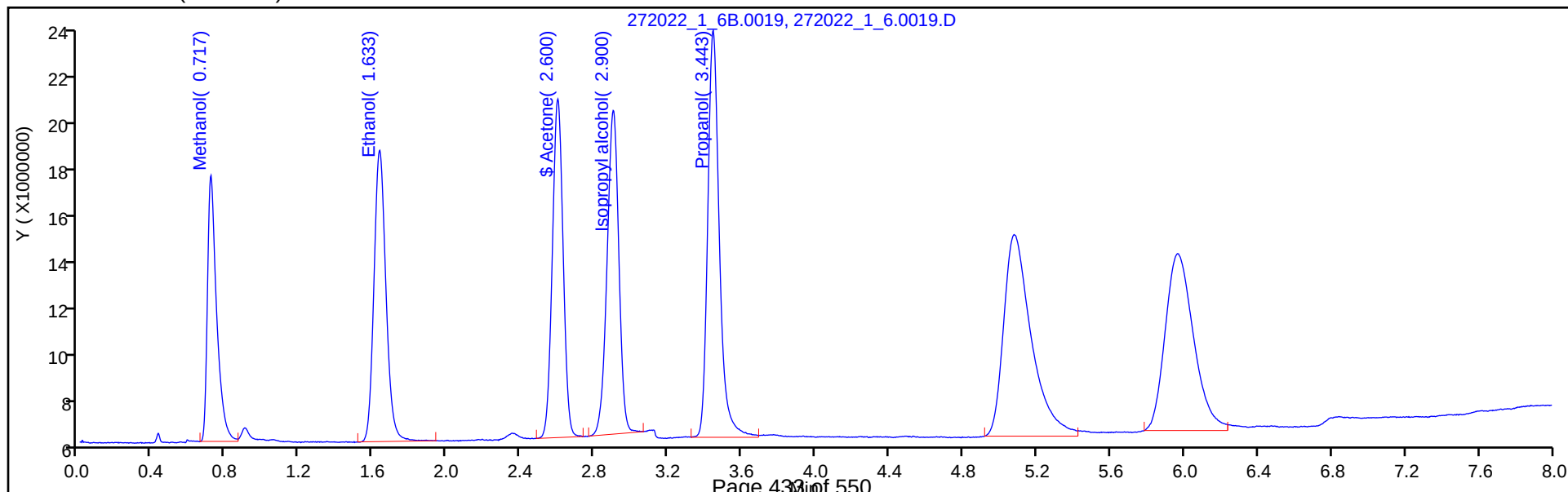
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

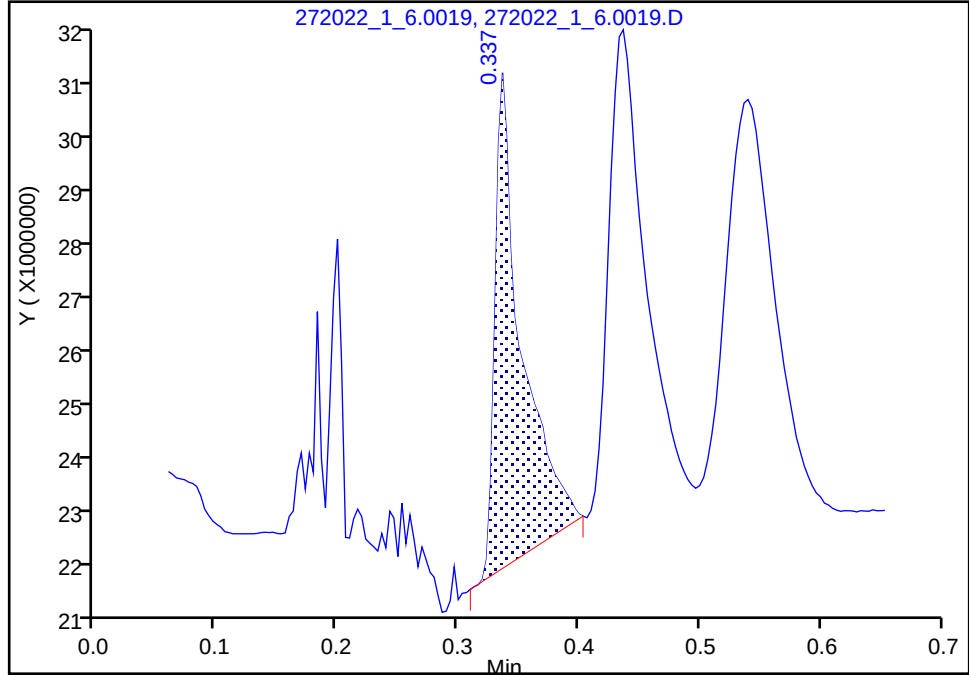
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0019.D
Injection Date: 06-Jan-2022 16:33:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

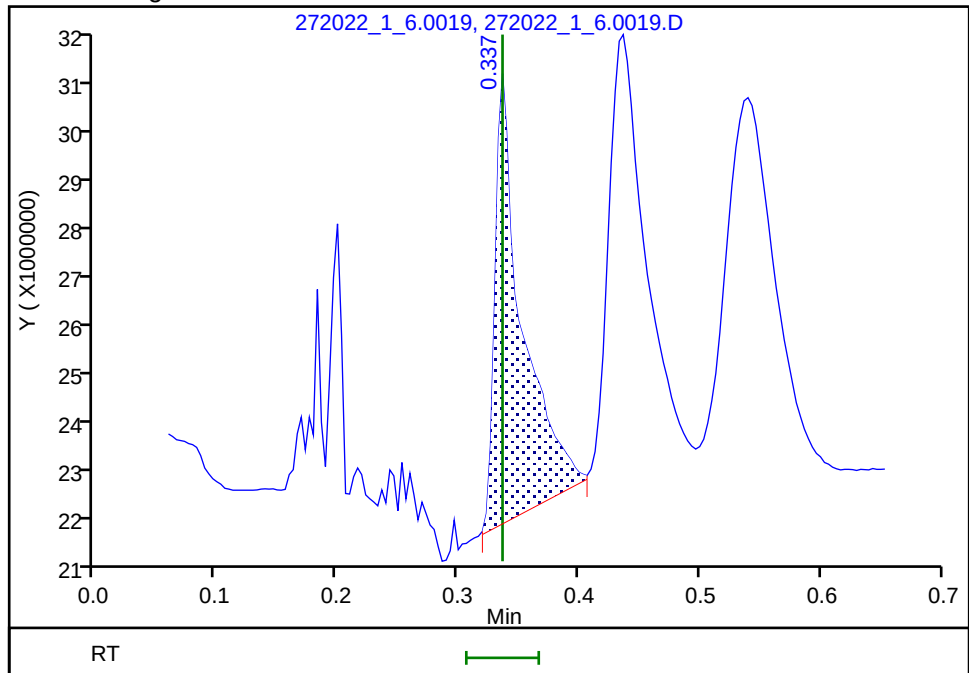
RT: 0.34
Area: 12988022
Amount: 4339.9483
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 13414143
Amount: 4482.3366
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:09:33

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

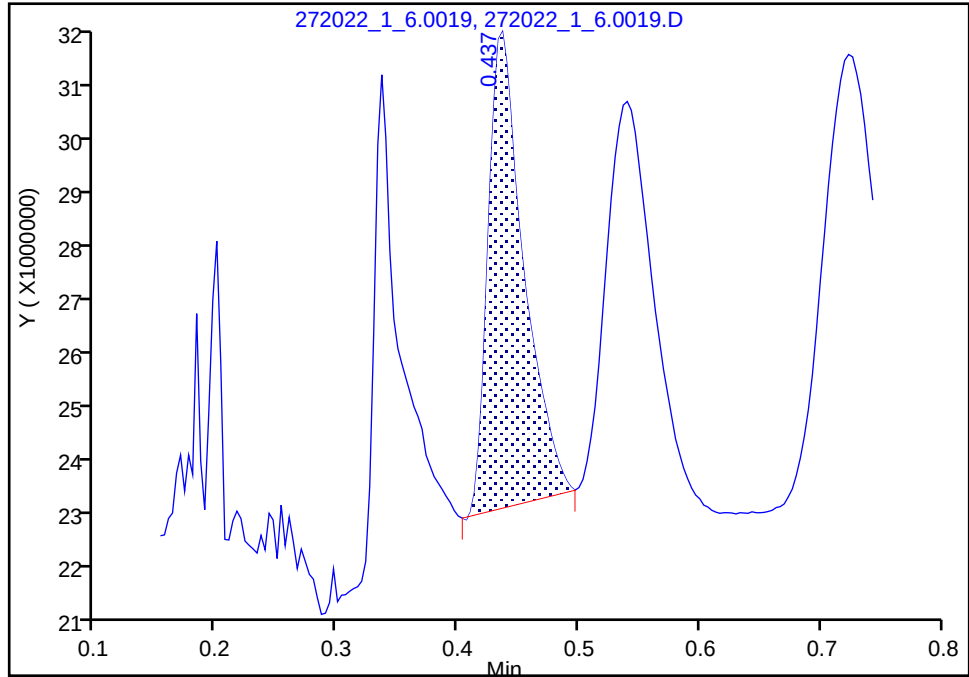
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0019.D
Injection Date: 06-Jan-2022 16:33:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

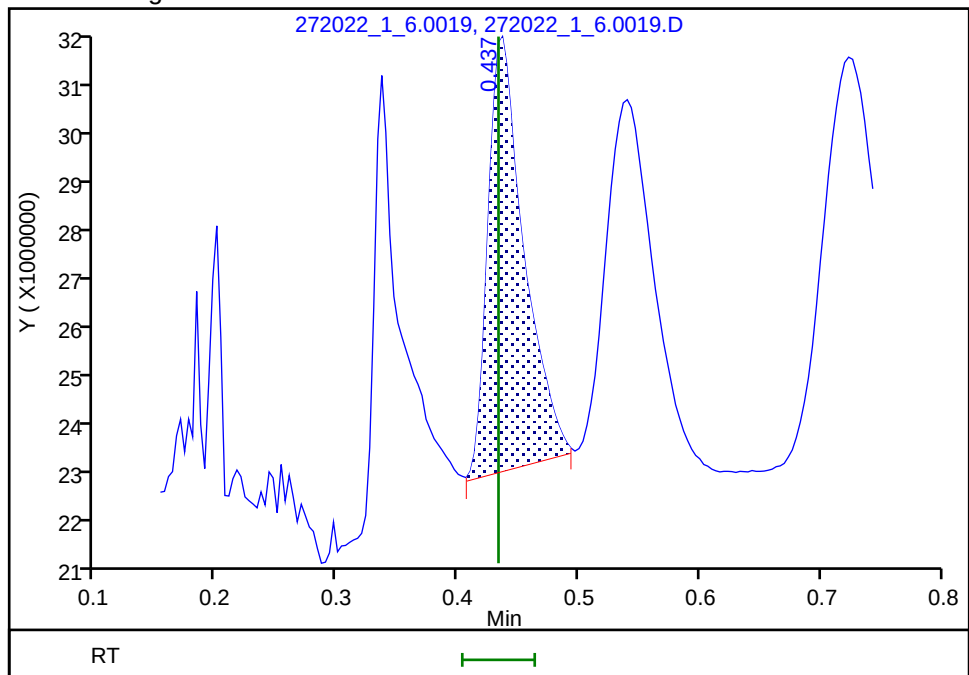
RT: 0.44
Area: 16729168
Amount: 4004.6273
Amount Units: ug/l

Processing Integration Results



RT: 0.44
Area: 17098385
Amount: 4093.0104
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:09:40

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

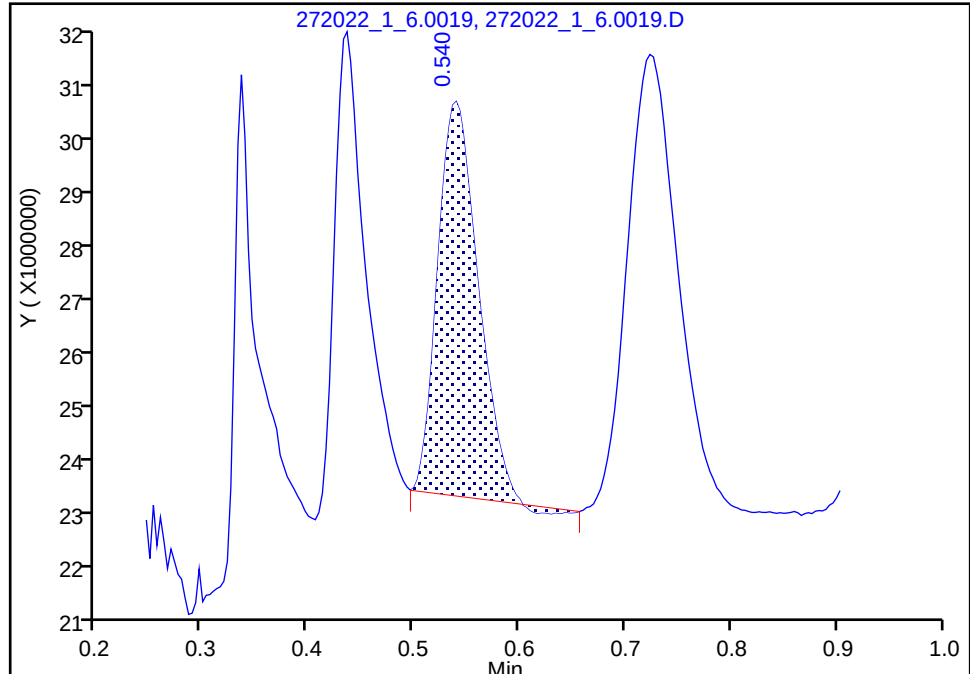
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0019.D
Injection Date: 06-Jan-2022 16:33:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

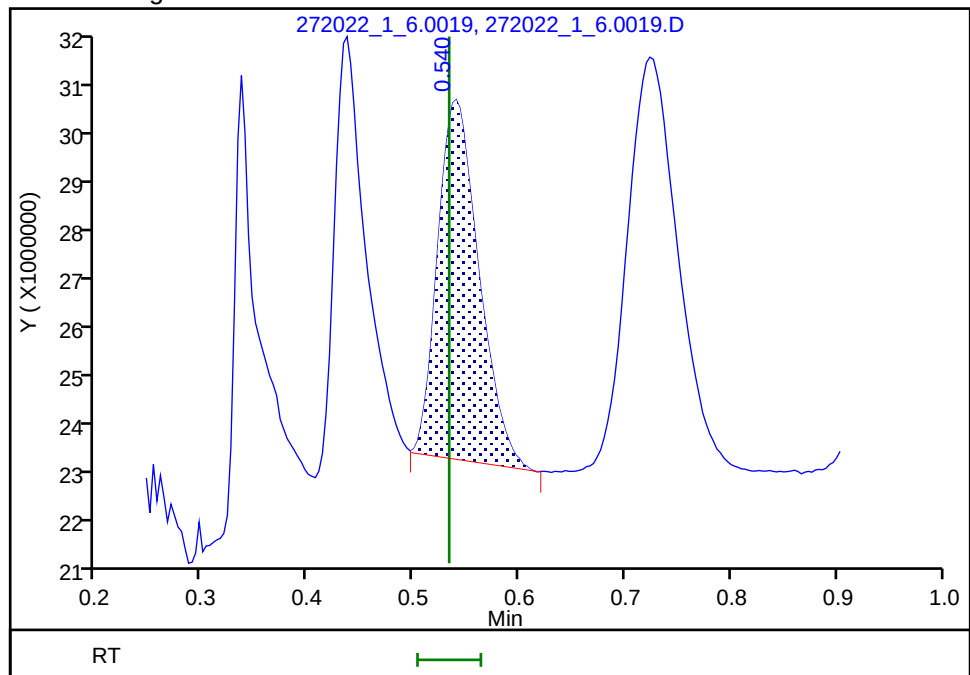
RT: 0.54
Area: 17839582
Amount: 4182.6723
Amount Units: ug/l

Processing Integration Results



RT: 0.54
Area: 18511748
Amount: 4340.2685
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:09:37

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

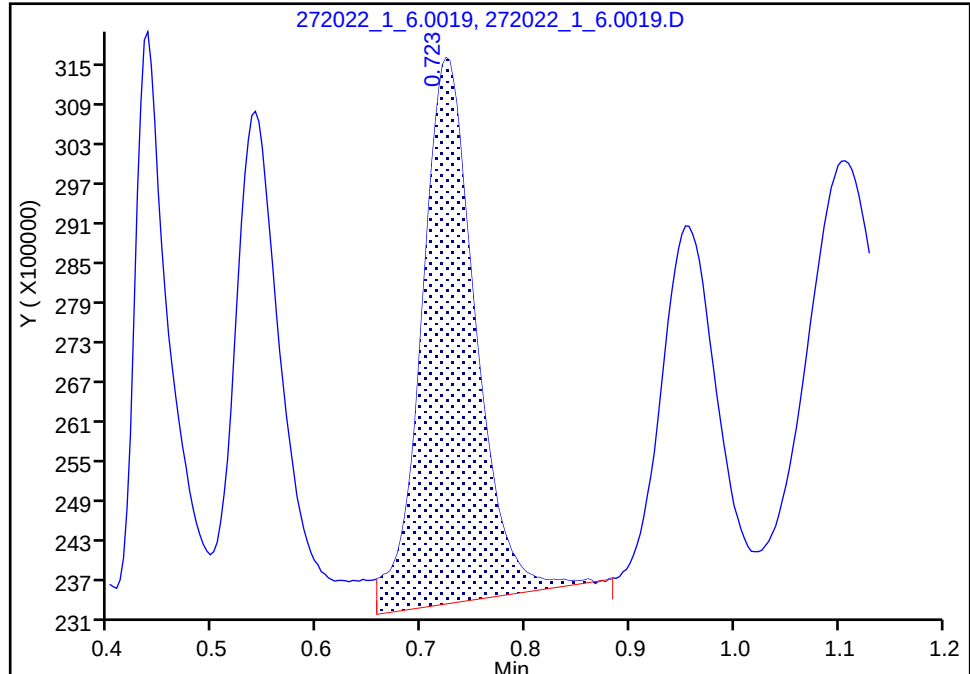
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0019.D
Injection Date: 06-Jan-2022 16:33:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

4 Propanol, CAS: 71-23-8

Signal: 1

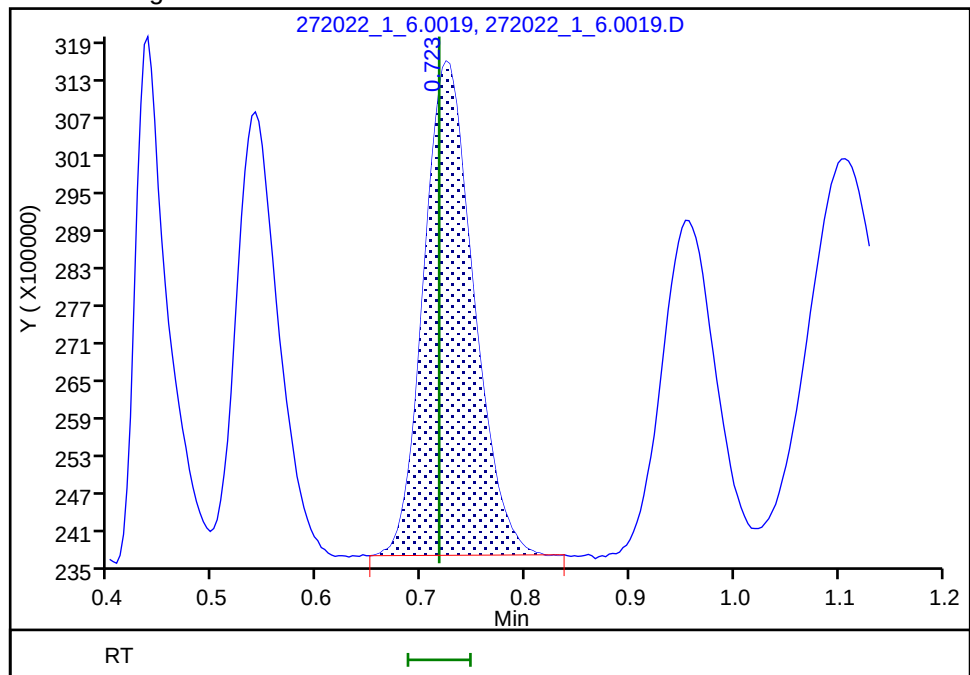
RT: 0.72
Area: 29588139
Amount: 4523.7486
Amount Units: ug/l

Processing Integration Results



RT: 0.72
Area: 26119275
Amount: 3993.3918
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:09:26
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

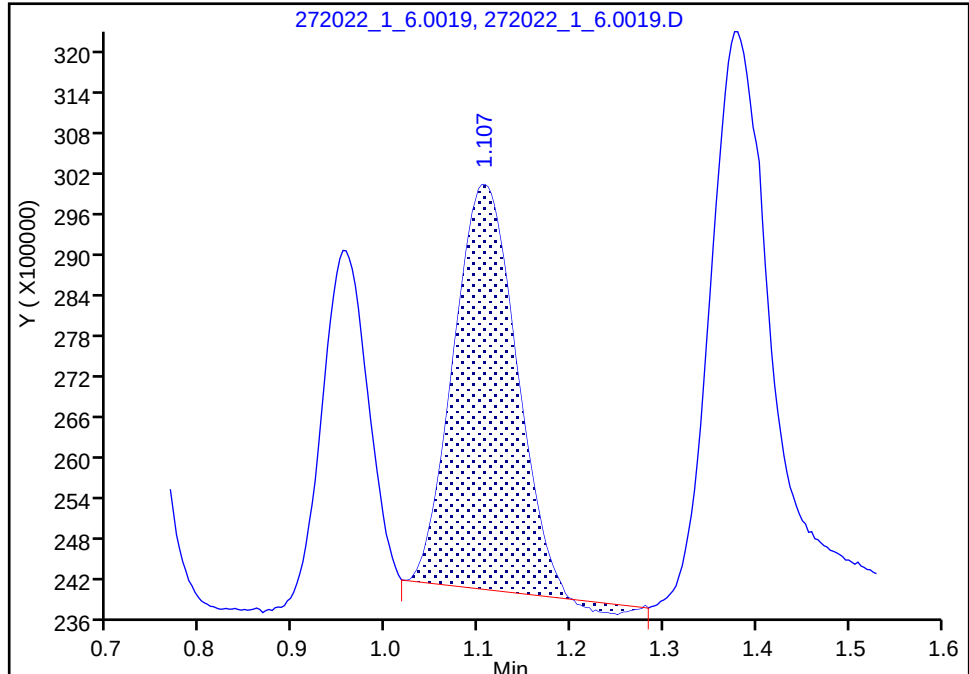
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0019.D
Injection Date: 06-Jan-2022 16:33:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

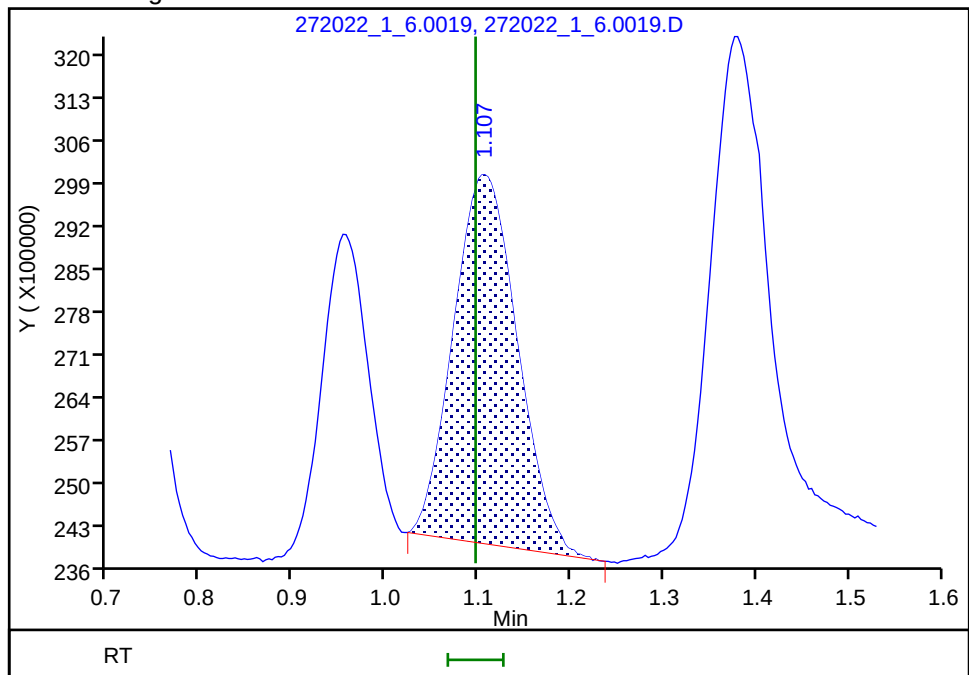
RT: 1.11
Area: 28090625
Amount: 4387.1759
Amount Units: ug/l

Processing Integration Results



RT: 1.11
Area: 29138019
Amount: 4550.7572
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:09:49
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 438 of 550

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
 SDG No.: _____
 Lab Sample ID: CCV 410-212308/19 Calibration Date: 01/06/2022 16:33
 Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
 GC Column: SP1000 ID: _____ Calib End Date: 12/07/2021 15:02
 Lab File ID: 272022_1_6.0019.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	7689	7514		4900	5010	-2.3	20.0
Ethanol	Ave	11192	10755		4810	5000	-3.9	20.0
Isopropanol	Ave	12000	11683		4880	5010	-2.6	20.0
1-Propanol	Ave	14196	14362		5130	5070	1.2	20.0
Acetone	Ave	11880	11189		4720	5010	-5.8	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: CCV 410-212308/19 Calibration Date: 01/06/2022 16:33
Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
GC Column: SP1000 ID: _____ Calib End Date: 12/07/2021 15:02
Lab File ID: 272022_1_6.0019.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.72	0.68	0.74
Ethanol	1.63	1.60	1.66
Isopropanol	2.90	2.87	2.93
1-Propanol	3.44	3.41	3.48
Acetone	2.60	2.57	2.63

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0019.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 06-Jan-2022 16:33:00 ALS Bottle#: 0 Worklist Smp#: 19
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ccv
 Misc. Info.: 410-0047889-019
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Jan-2022 06:26:07 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1603

First Level Reviewer: kennedyj

Date: 08-Jan-2022 06:10:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.337	0.337	0.000	13414143	5014.0	4482.3	M
2	0.717	0.710	0.007	37675005	5014.0	4900.0	
RPD = 8.90							
2 Ethanol							Ma
1	0.437	0.433	0.004	17098385	5002.0	4093.0	M
2	1.633	1.627	0.006	53794795	5002.0	4806.4	M
RPD = 16.03							
3 Isopropyl alcohol							M
1	0.540	0.533	0.007	18511748	5010.0	4340.3	M
2	2.900	2.903	-0.003	58531248	5010.0	4877.8	M
RPD = 11.66							
4 Propanol							M
1	0.723	0.717	0.006	26119275	5069.5	3993.4	M
2	3.443	3.447	-0.004	72809378	5069.5	5129.0	
RPD = 24.90							
\$ 5 Acetone							M
1	0.953	0.950	0.003	17226563	5008.0	4176.7	
2	2.600	2.603	-0.003	56034898	5008.0	4716.6	M
RPD = 12.14							
6 Isobutyl alcohol							M
1	1.107	1.097	0.010	29138019	5144.2	4550.8	M
7 n-Butanol							
1	1.377	1.373	0.003	41629689	5169.0	7772.3	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

[Reagents:](#)

EPH_LLME3_00033

Amount Added: 1.00

Units: mL

Report Date: 08-Jan-2022 06:26:07

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0019.D

Injection Date: 06-Jan-2022 16:33:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: ccv

Worklist Smp#:

19

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

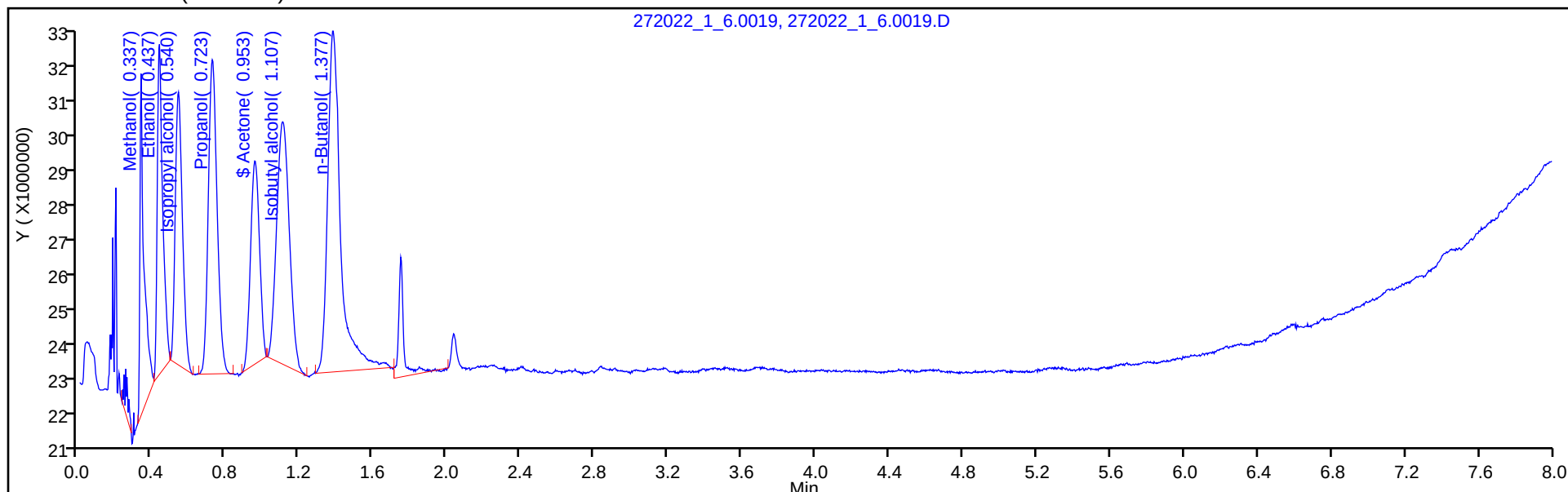
ALS Bottle#:

0

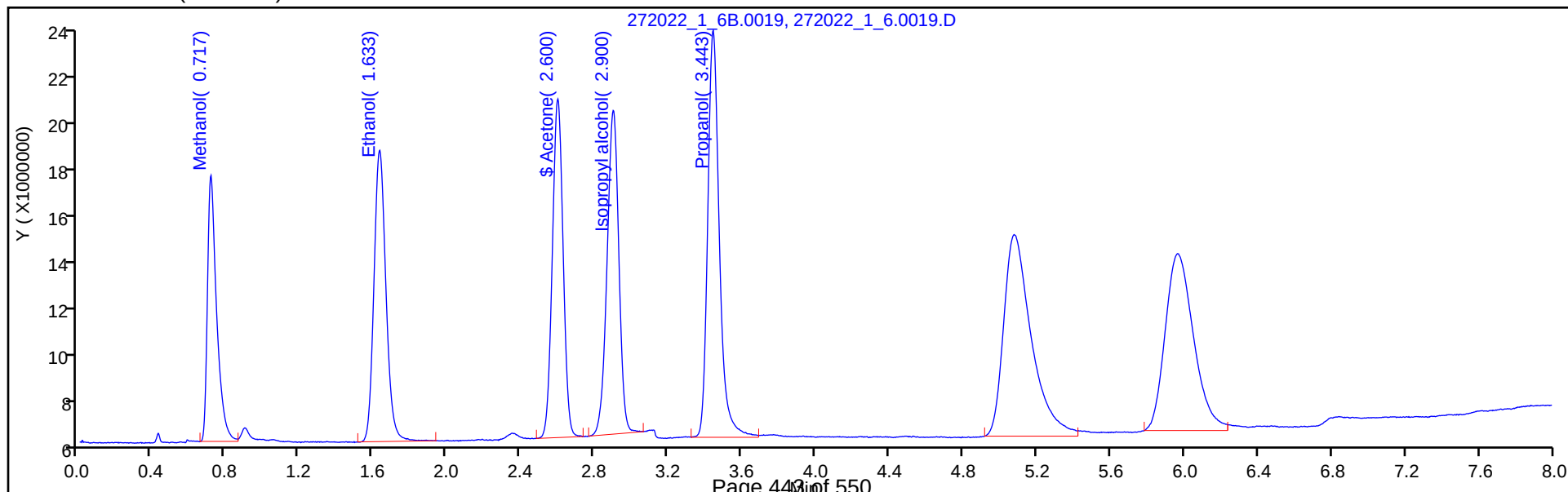
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

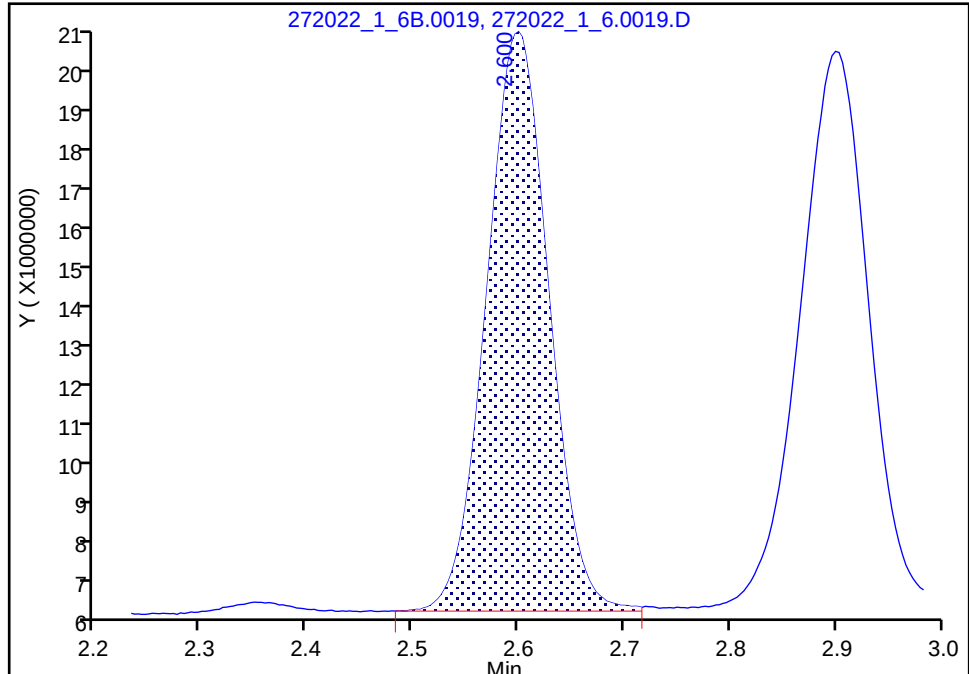
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0019.D
Injection Date: 06-Jan-2022 16:33:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

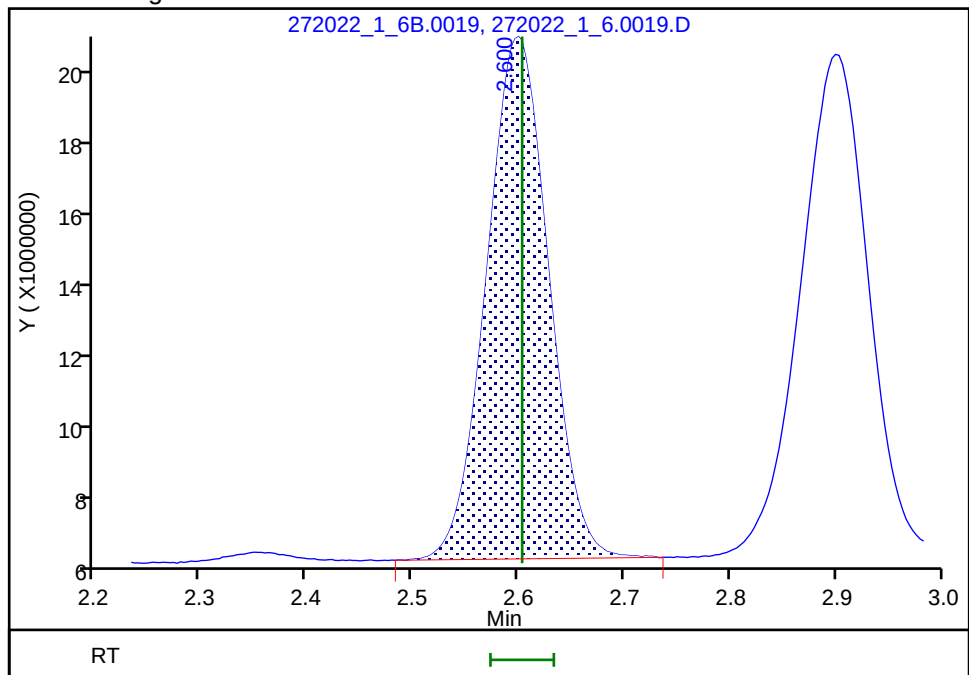
RT: 2.60
Area: 56525002
Amount: 4757.8667
Amount Units: ug/l

Processing Integration Results



RT: 2.60
Area: 56034898
Amount: 4716.6133
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:09:59

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

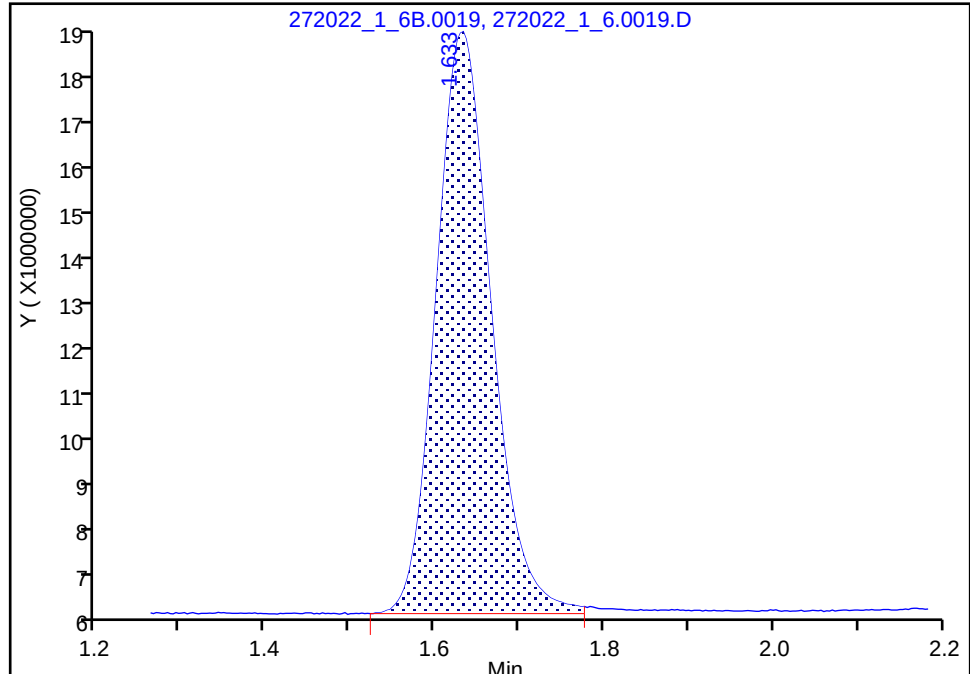
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0019.D
Injection Date: 06-Jan-2022 16:33:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

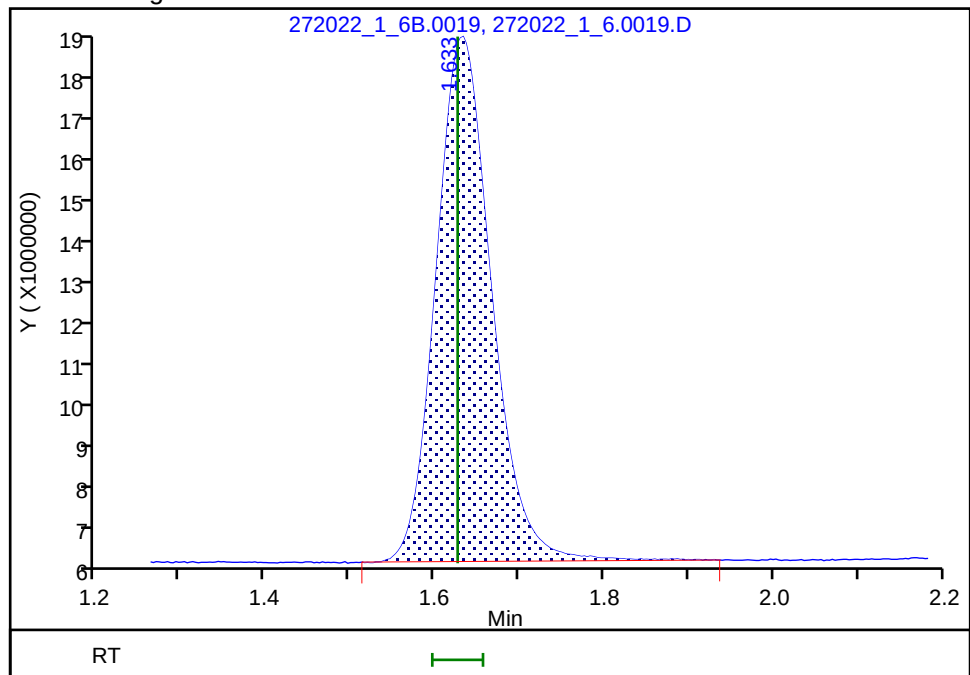
RT: 1.63
Area: 53895840
Amount: 4815.4122
Amount Units: ug/l

Processing Integration Results



RT: 1.63
Area: 53794795
Amount: 4806.3842
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:09:55
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

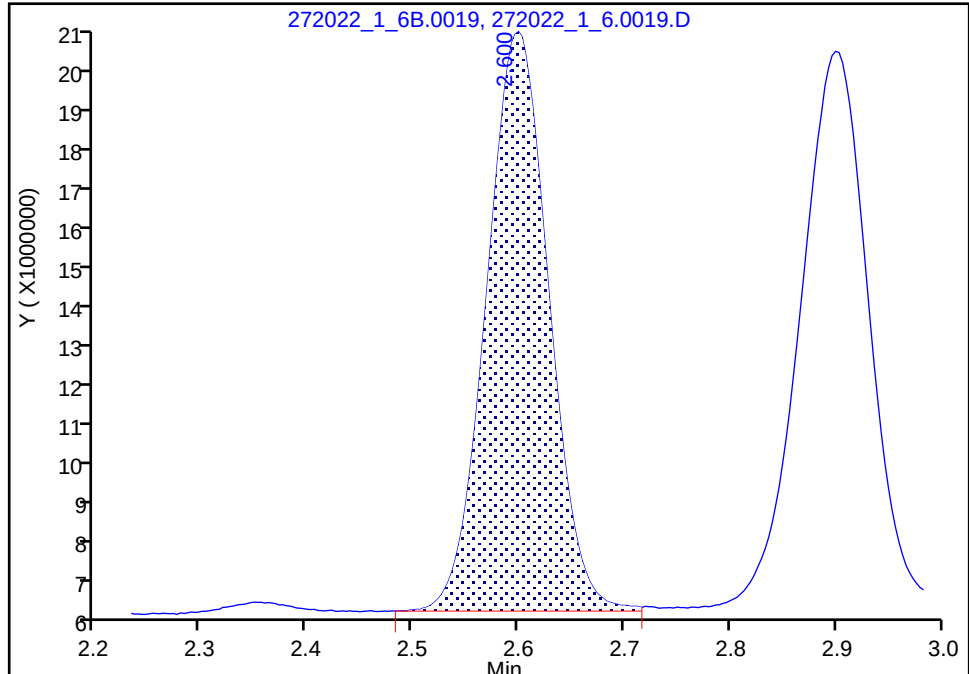
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0019.D
Injection Date: 06-Jan-2022 16:33:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

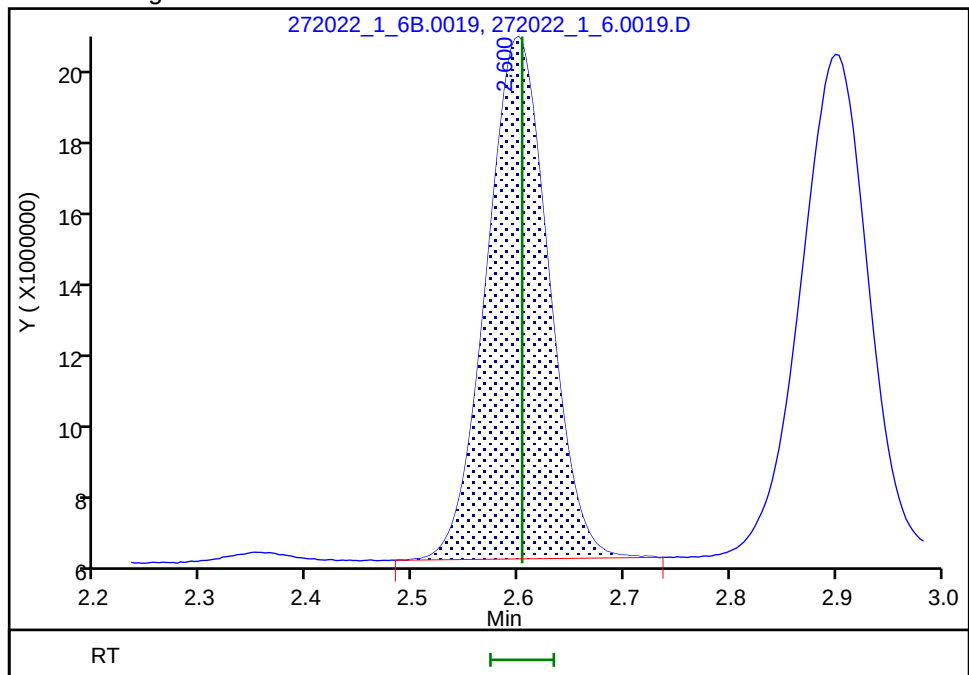
RT: 2.60
Area: 56525002
Amount: 4757.8667
Amount Units: ug/l

Processing Integration Results



RT: 2.60
Area: 56034898
Amount: 4716.6133
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:09:59
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

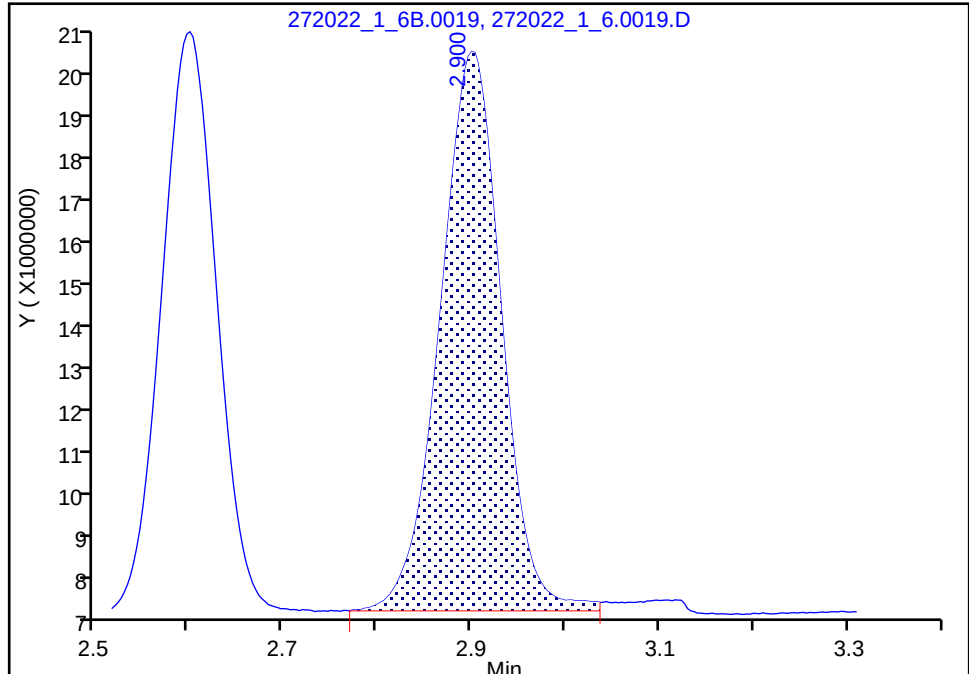
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0019.D
Injection Date: 06-Jan-2022 16:33:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

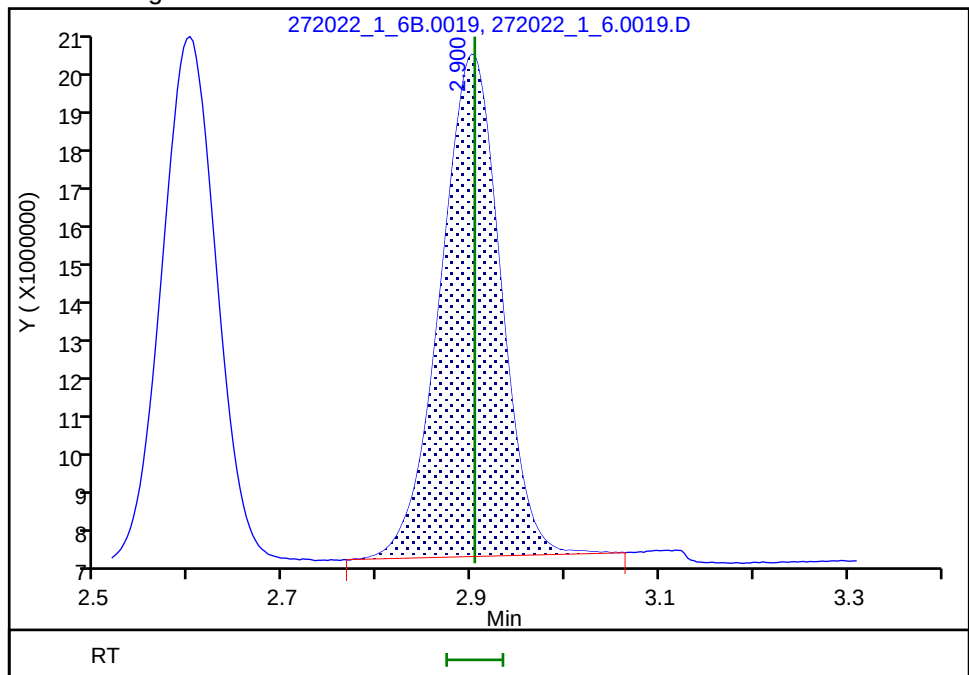
RT: 2.90
Area: 60036465
Amount: 5003.2074
Amount Units: ug/l

Processing Integration Results



RT: 2.90
Area: 58531248
Amount: 4877.7685
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:10:01
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 447 of 550

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
 SDG No.: _____
 Lab Sample ID: CCV 410-212308/23 Calibration Date: 01/06/2022 17:48
 Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
 GC Column: RTX200 ID: _____ Calib End Date: 12/07/2021 15:02
 Lab File ID: 272022_1_6.0023.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	2993	2641		4430	5010	-11.7	20.0
Ethanol	Ave	4177	3359		4020	5000	-19.6	20.0
Isopropanol	Ave	4265	3719		4370	5010	-12.8	20.0
1-Propanol	Ave	6541	5208		4040	5070	-20.4*	20.0
Isobutanol	Ave	6403	5559		4470	5140	-13.2	20.0
1-Butanol	Ave	5356	8136		7850	5170	51.9*	20.0
Acetone	Ave	4124	3443		4180	5010	-16.5	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: CCV 410-212308/23 Calibration Date: 01/06/2022 17:48
Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
GC Column: RTX200 ID: _____ Calib End Date: 12/07/2021 15:02
Lab File ID: 272022_1_6.0023.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.34	0.31	0.37
Ethanol	0.44	0.40	0.46
Isopropanol	0.54	0.50	0.56
1-Propanol	0.73	0.69	0.75
Isobutanol	1.11	1.07	1.13
1-Butanol	1.38	1.34	1.40
Acetone	0.96	0.92	0.98

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0023.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 06-Jan-2022 17:48:00 ALS Bottle#: 0 Worklist Smp#: 23
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ccv
 Misc. Info.: 410-0047889-023
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Jan-2022 06:26:08 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1603

First Level Reviewer: kennedyj

Date: 08-Jan-2022 06:09:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol

M

1	0.337	0.337	0.000	13243577	5014.0	4425.3	M
2	0.717	0.710	0.007	37004172	5014.0	4812.8	

RPD = 8.39

2 Ethanol

M

1	0.437	0.433	0.004	16799826	5002.0	4021.5	M
2	1.637	1.627	0.010	52707821	5002.0	4709.3	M

RPD = 15.75

3 Isopropyl alcohol

M

1	0.540	0.533	0.007	18632340	5010.0	4368.5	M
2	2.907	2.903	0.004	57019791	5010.0	4751.8	M

RPD = 8.40

4 Propanol

M

1	0.727	0.717	0.010	26400521	5069.5	4036.4	M
2	3.447	3.447	0.000	71063544	5069.5	5006.0	

RPD = 21.45

\$ 5 Acetone

M

1	0.957	0.950	0.007	17244270	5008.0	4181.0	
2	2.603	2.603	0.000	54720837	5008.0	4606.0	M

RPD = 9.67

6 Isobutyl alcohol

M

1	1.107	1.097	0.010	28596874	5144.2	4466.2	M

7 n-Butanol

1	1.380	1.373	0.007	42053130	5169.0	7851.4	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME3_00033

Amount Added: 1.00

Units: mL

Report Date: 08-Jan-2022 06:26:08

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0023.D

Injection Date: 06-Jan-2022 17:48:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: ccv

Worklist Smp#:

23

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

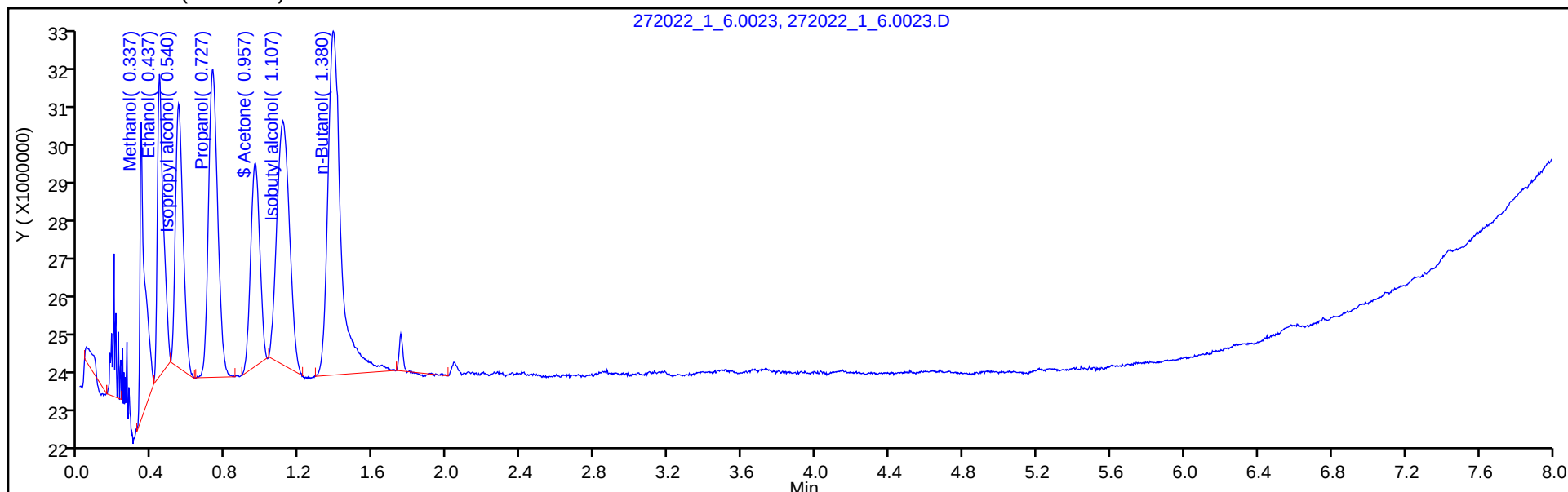
ALS Bottle#:

0

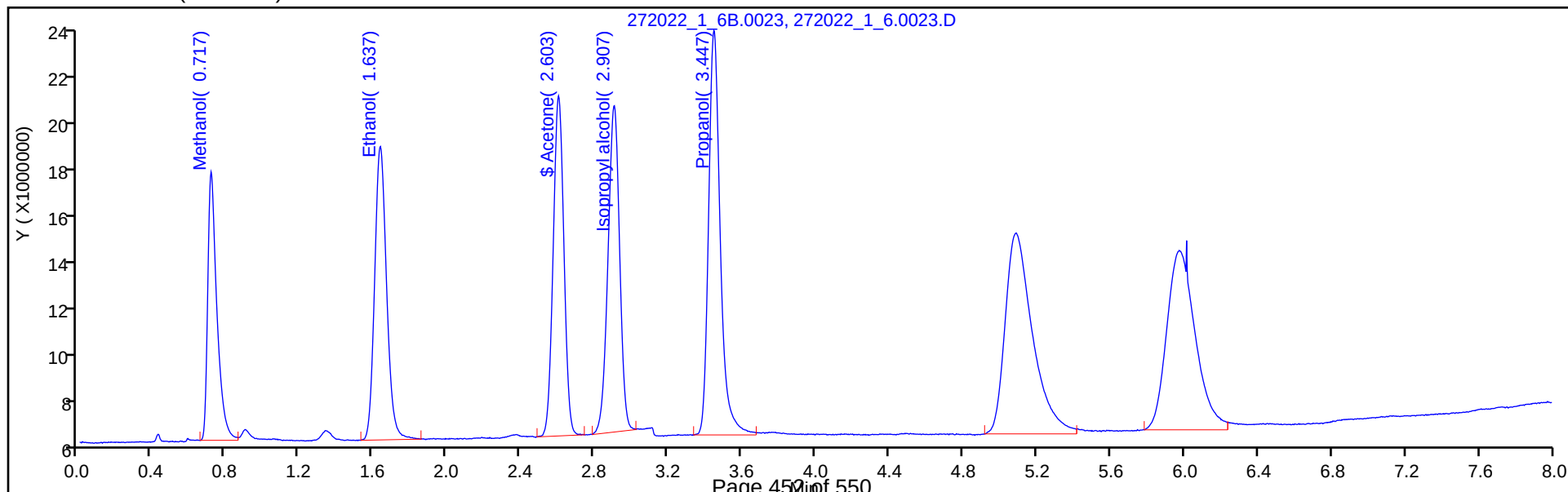
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

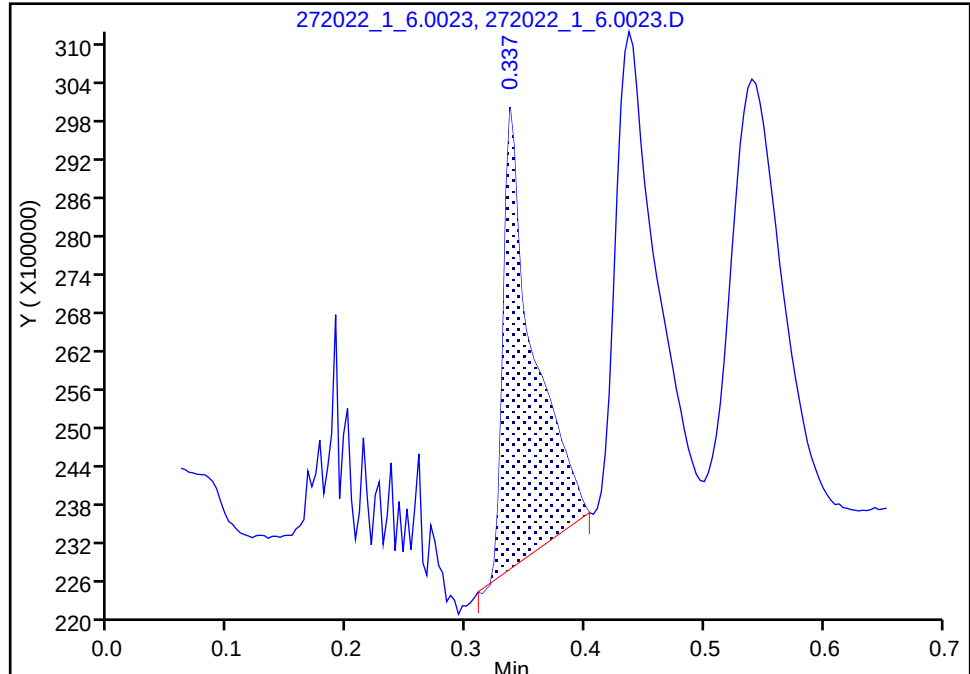
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0023.D
Injection Date: 06-Jan-2022 17:48:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

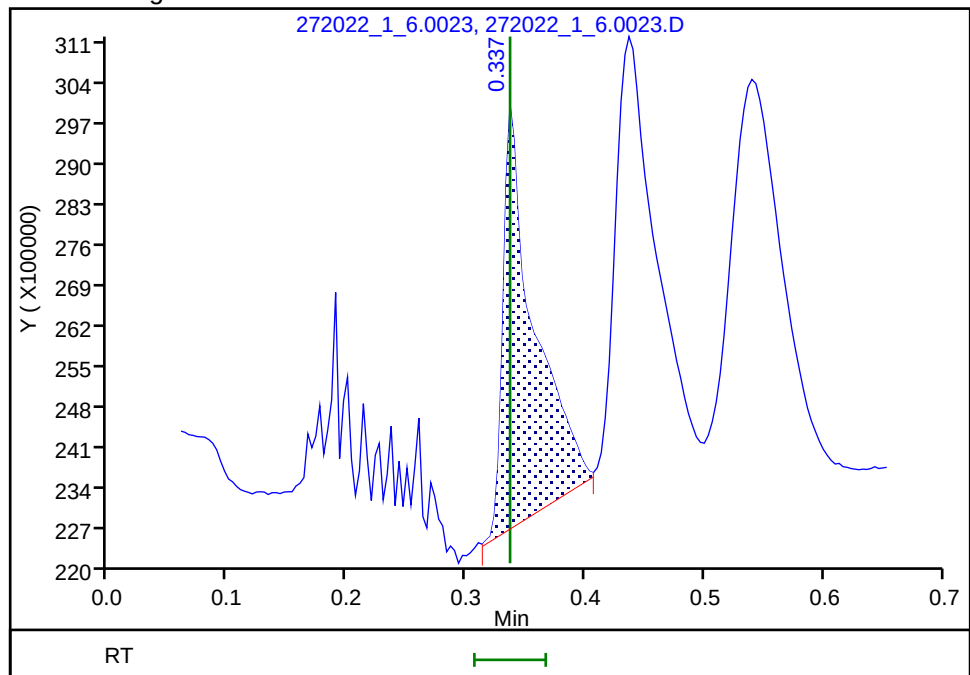
RT: 0.34
Area: 12527607
Amount: 4186.1006
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 13243577
Amount: 4425.3420
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:08:54

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

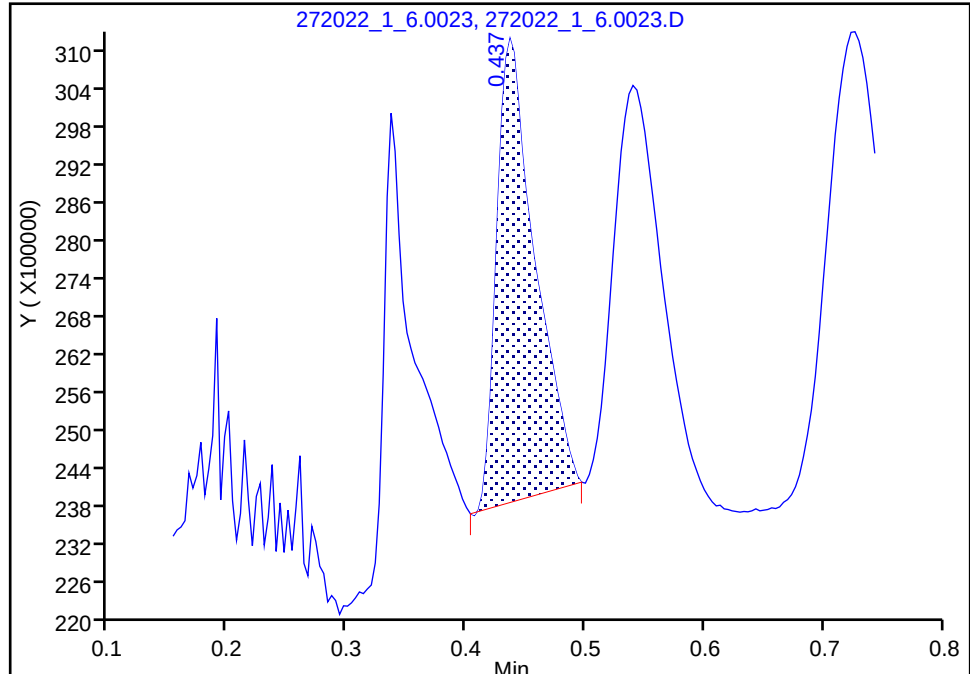
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0023.D
Injection Date: 06-Jan-2022 17:48:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

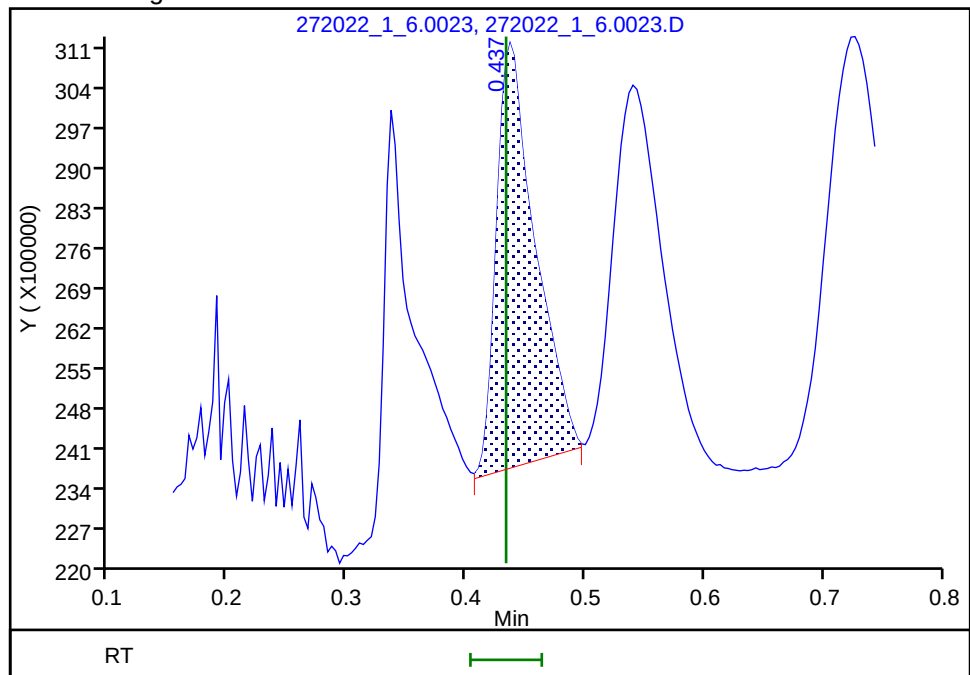
RT: 0.44
Area: 16265627
Amount: 3893.6649
Amount Units: ug/l

Processing Integration Results



RT: 0.44
Area: 16799826
Amount: 4021.5414
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:08:57

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

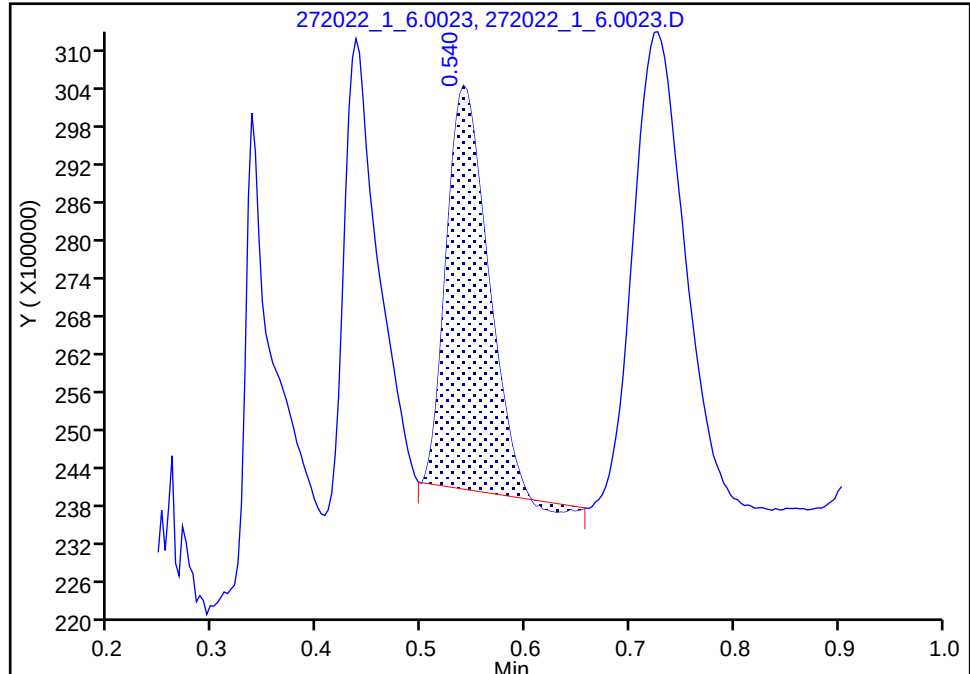
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0023.D
Injection Date: 06-Jan-2022 17:48:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector 0FIDA

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

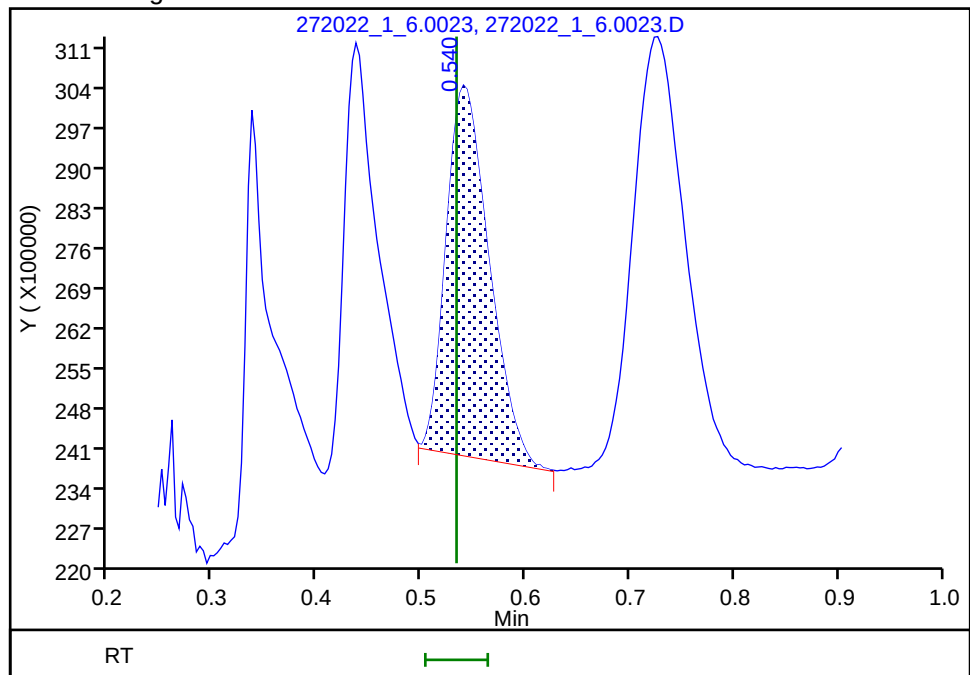
RT: 0.54
Area: 17578129
Amount: 4121.3720
Amount Units: ug/l

Processing Integration Results



RT: 0.54
Area: 18632340
Amount: 4368.5425
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:09:01
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

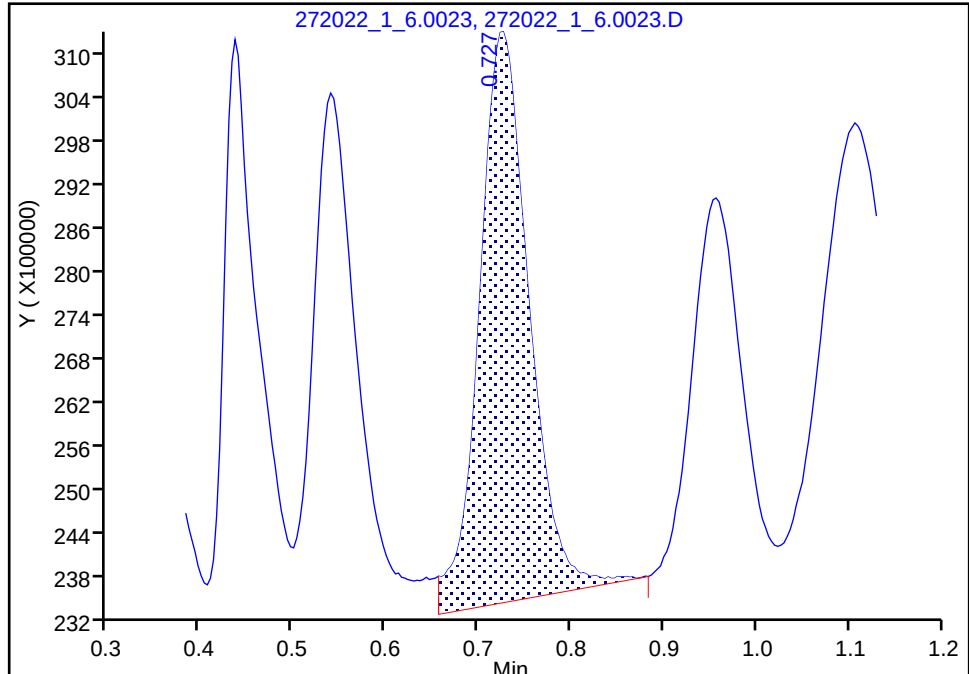
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0023.D
Injection Date: 06-Jan-2022 17:48:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

4 Propanol, CAS: 71-23-8

Signal: 1

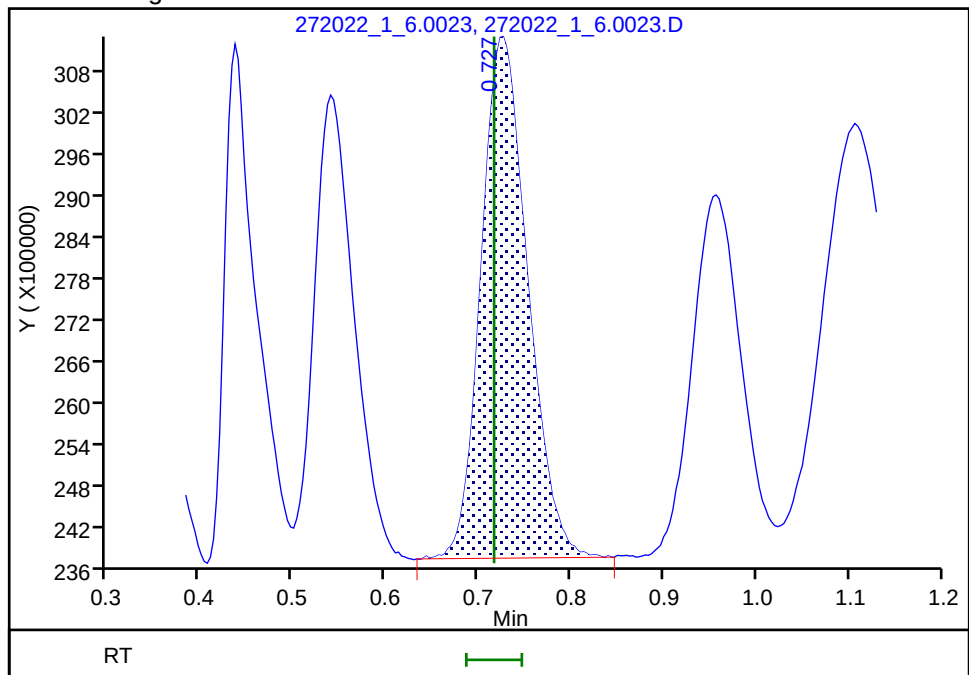
RT: 0.73
Area: 29536922
Amount: 4515.9180
Amount Units: ug/l

Processing Integration Results



RT: 0.73
Area: 26400521
Amount: 4036.3917
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:08:11
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

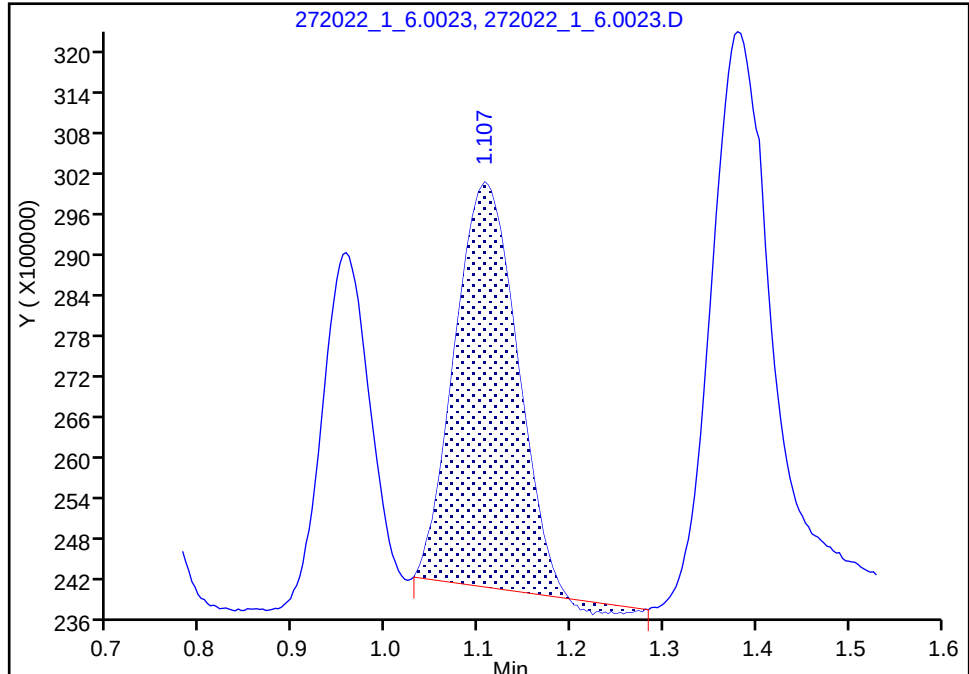
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0023.D
Injection Date: 06-Jan-2022 17:48:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

6 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

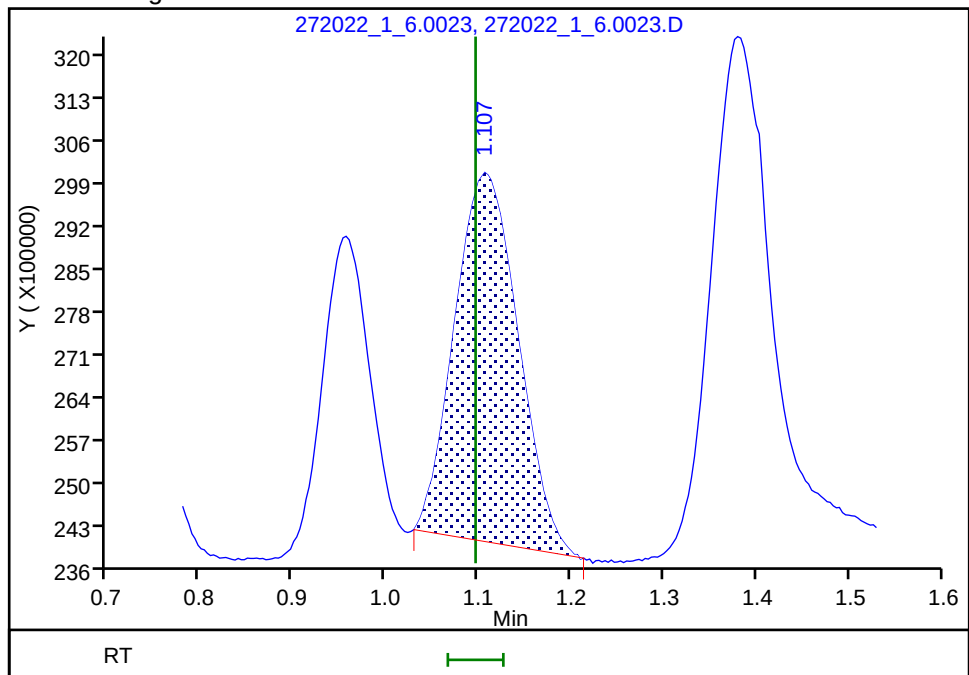
RT: 1.11
Area: 27559374
Amount: 4304.2055
Amount Units: ug/l

Processing Integration Results



RT: 1.11
Area: 28596874
Amount: 4466.2416
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:08:17
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 457 of 550

FORM VII
GC VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: CCV 410-212308/23 Calibration Date: 01/06/2022 17:48
Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
GC Column: SP1000 ID: _____ Calib End Date: 12/07/2021 15:02
Lab File ID: 272022_1_6.0023.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methanol	Ave	7689	7380		4810	5010	-4.0	20.0
Ethanol	Ave	11192	10537		4710	5000	-5.9	20.0
Isopropanol	Ave	12000	11381		4750	5010	-5.2	20.0
1-Propanol	Ave	14196	14018		5010	5070	-1.3	20.0
Acetone	Ave	11880	10927		4610	5010	-8.0	20.0

FORM VII
GC VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: CCV 410-212308/23 Calibration Date: 01/06/2022 17:48
Instrument ID: 2739 Calib Start Date: 12/07/2021 13:47
GC Column: SP1000 ID: _____ Calib End Date: 12/07/2021 15:02
Lab File ID: 272022_1_6.0023.D Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		FROM	TO
Methanol	0.72	0.68	0.74
Ethanol	1.64	1.60	1.66
Isopropanol	2.91	2.87	2.93
1-Propanol	3.45	3.41	3.48
Acetone	2.60	2.57	2.63

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0023.D
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 06-Jan-2022 17:48:00 ALS Bottle#: 0 Worklist Smp#: 23
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: ccv
 Misc. Info.: 410-0047889-023
 Operator ID: Administrator Instrument ID: 2739
 Sublist: chrom-8015_DAI_2739*sub1
 Method: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Jan-2022 06:26:08 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1603

First Level Reviewer: kennedyj

Date: 08-Jan-2022 06:09:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							M
1	0.337	0.337	0.000	13243577	5014.0	4425.3	M
2	0.717	0.710	0.007	37004172	5014.0	4812.8	
RPD = 8.39							
2 Ethanol							M
1	0.437	0.433	0.004	16799826	5002.0	4021.5	M
2	1.637	1.627	0.010	52707821	5002.0	4709.3	M
RPD = 15.75							
3 Isopropyl alcohol							M
1	0.540	0.533	0.007	18632340	5010.0	4368.5	M
2	2.907	2.903	0.004	57019791	5010.0	4751.8	M
RPD = 8.40							
4 Propanol							M
1	0.727	0.717	0.010	26400521	5069.5	4036.4	M
2	3.447	3.447	0.000	71063544	5069.5	5006.0	
RPD = 21.45							
\$ 5 Acetone							M
1	0.957	0.950	0.007	17244270	5008.0	4181.0	
2	2.603	2.603	0.000	54720837	5008.0	4606.0	M
RPD = 9.67							
6 Isobutyl alcohol							M
1	1.107	1.097	0.010	28596874	5144.2	4466.2	M
7 n-Butanol							
1	1.380	1.373	0.007	42053130	5169.0	7851.4	

[QC Flag Legend](#)

Processing Flags

Review Flags

M - Manually Integrated

[Reagents:](#)

EPH_LLME3_00033

Amount Added: 1.00

Units: mL

Report Date: 08-Jan-2022 06:26:09

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0023.D

Injection Date: 06-Jan-2022 17:48:00

Instrument ID: 2739

Operator ID:

Administrator

Lims ID: ccv

Worklist Smp#:

23

Client ID:

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

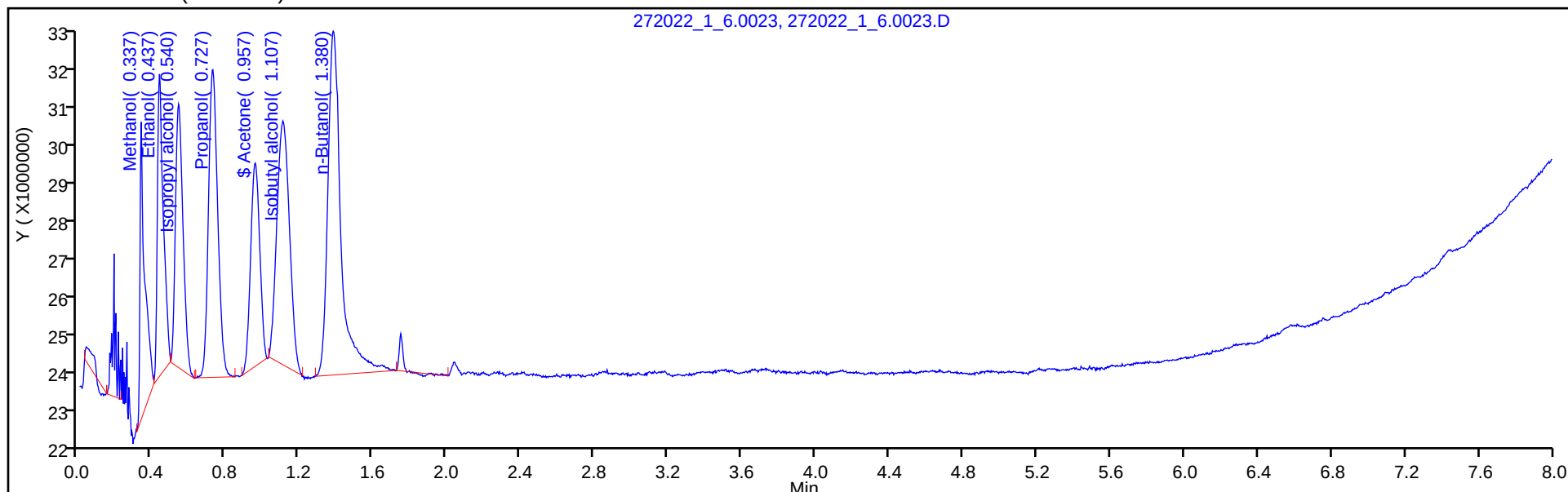
ALS Bottle#:

0

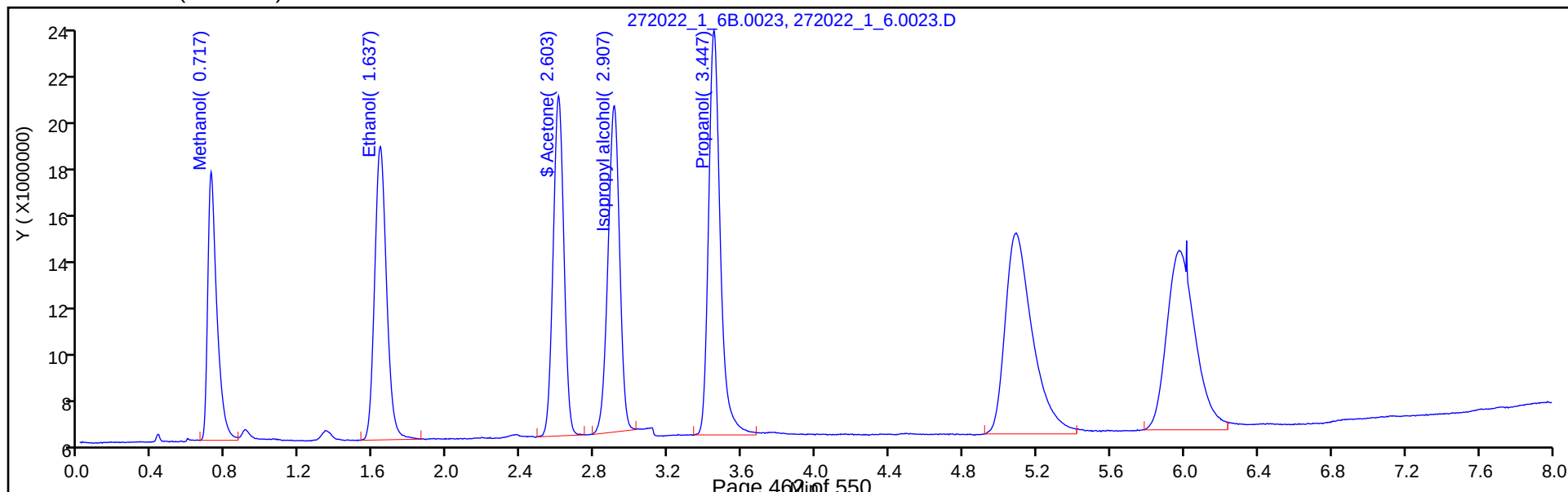
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

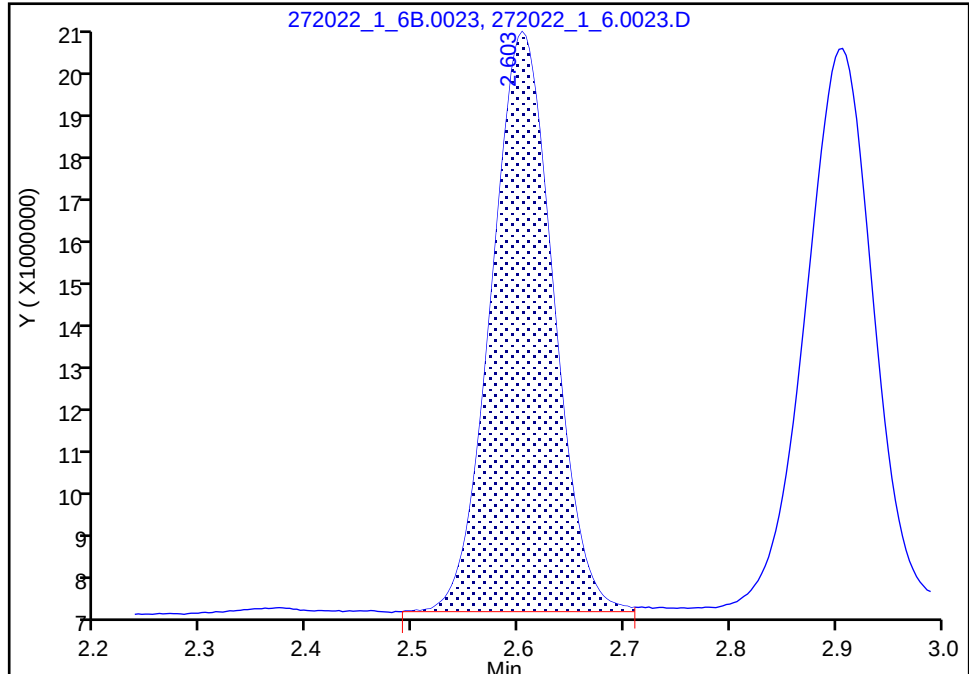
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0023.D
Injection Date: 06-Jan-2022 17:48:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

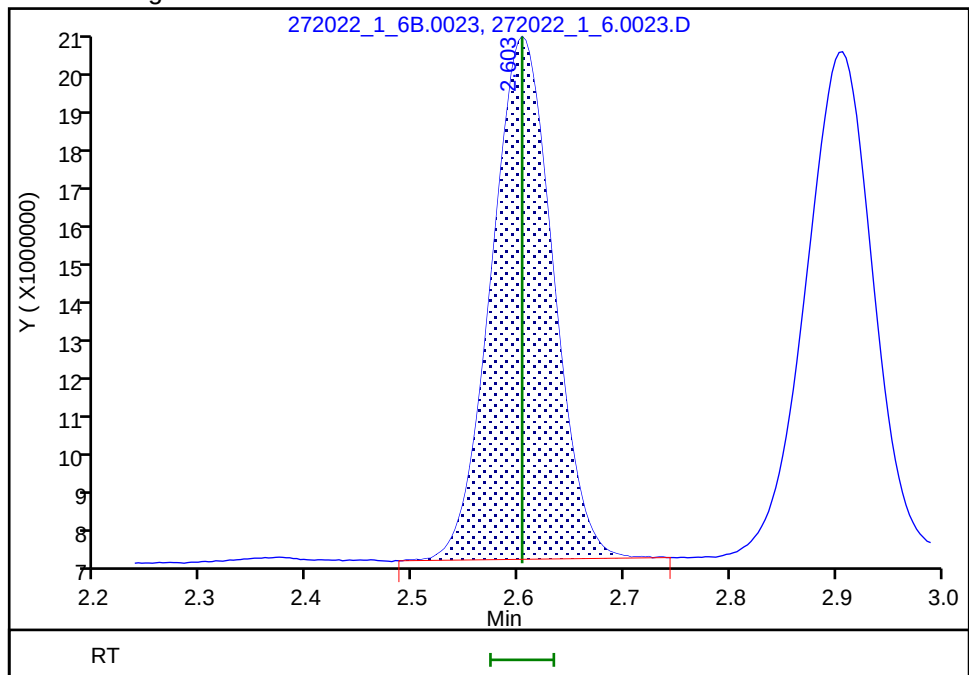
RT: 2.60
Area: 55182293
Amount: 4644.8472
Amount Units: ug/l

Processing Integration Results



RT: 2.60
Area: 54720837
Amount: 4606.0051
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:08:27

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

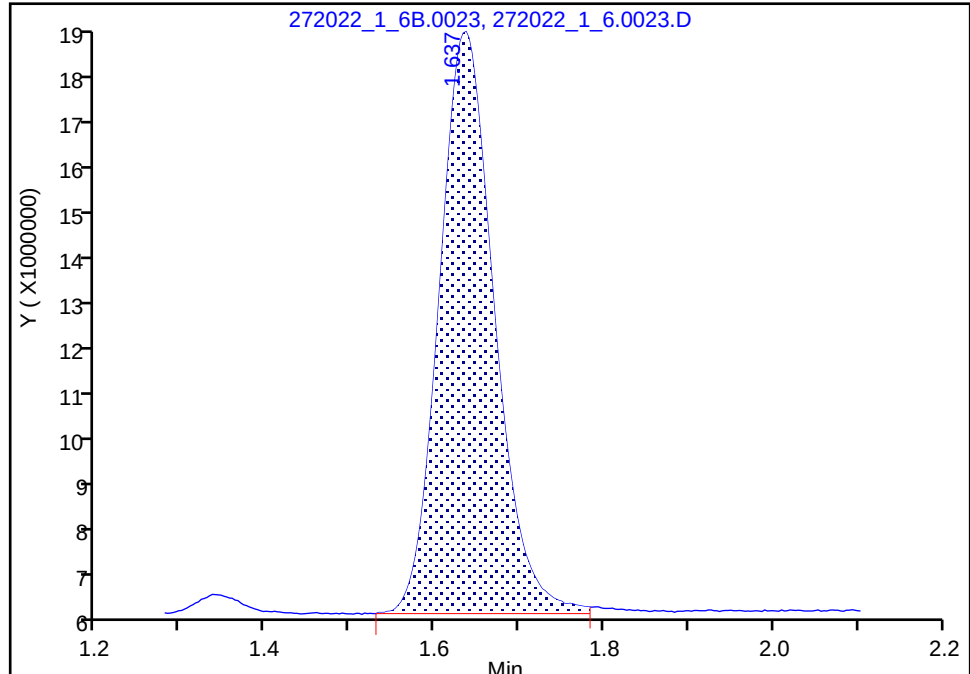
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0023.D
Injection Date: 06-Jan-2022 17:48:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

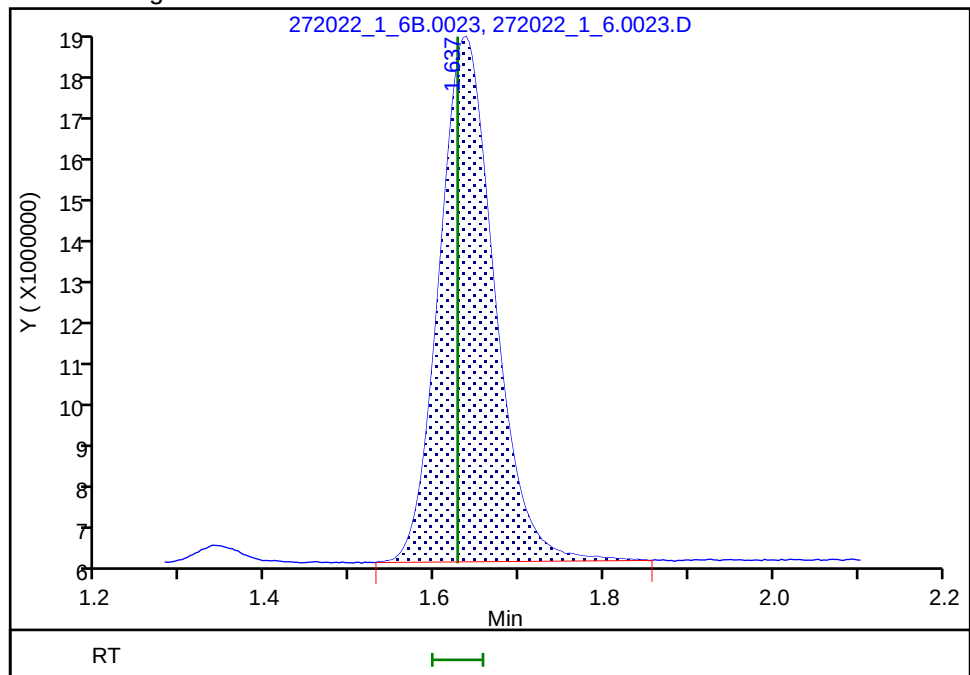
RT: 1.64
Area: 52792715
Amount: 4716.8517
Amount Units: ug/l

Processing Integration Results



RT: 1.64
Area: 52707821
Amount: 4709.2667
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:08:41
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

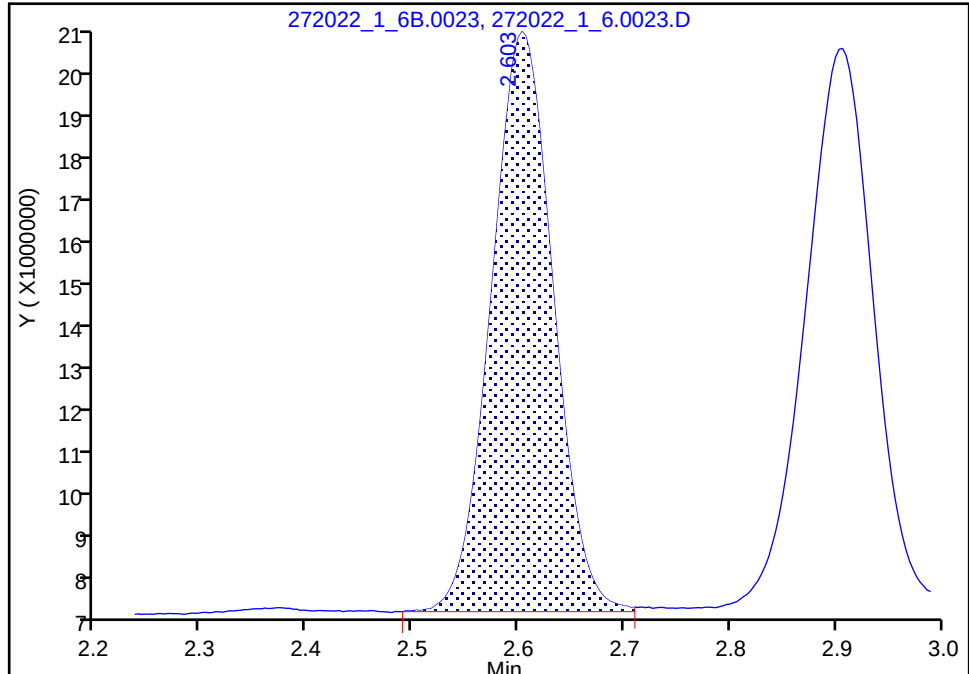
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0023.D
Injection Date: 06-Jan-2022 17:48:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

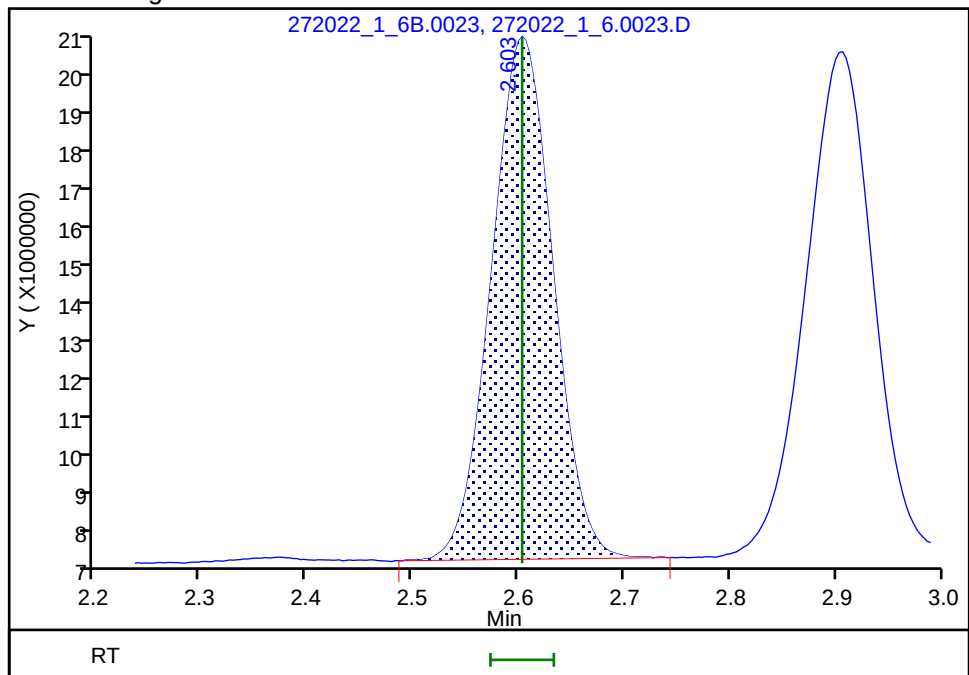
RT: 2.60
Area: 55182293
Amount: 4644.8472
Amount Units: ug/l

Processing Integration Results



RT: 2.60
Area: 54720837
Amount: 4606.0051
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:08:27

Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

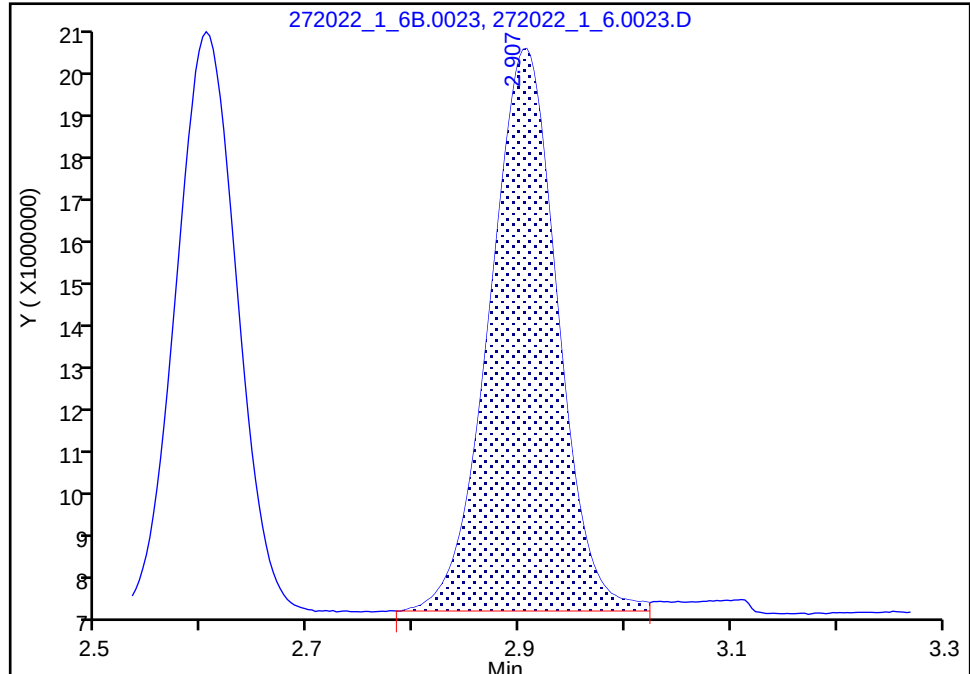
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0023.D
Injection Date: 06-Jan-2022 17:48:00 Instrument ID: 2739
Lims ID: ccv
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

3 Isopropyl alcohol, CAS: 67-63-0

Signal: 2

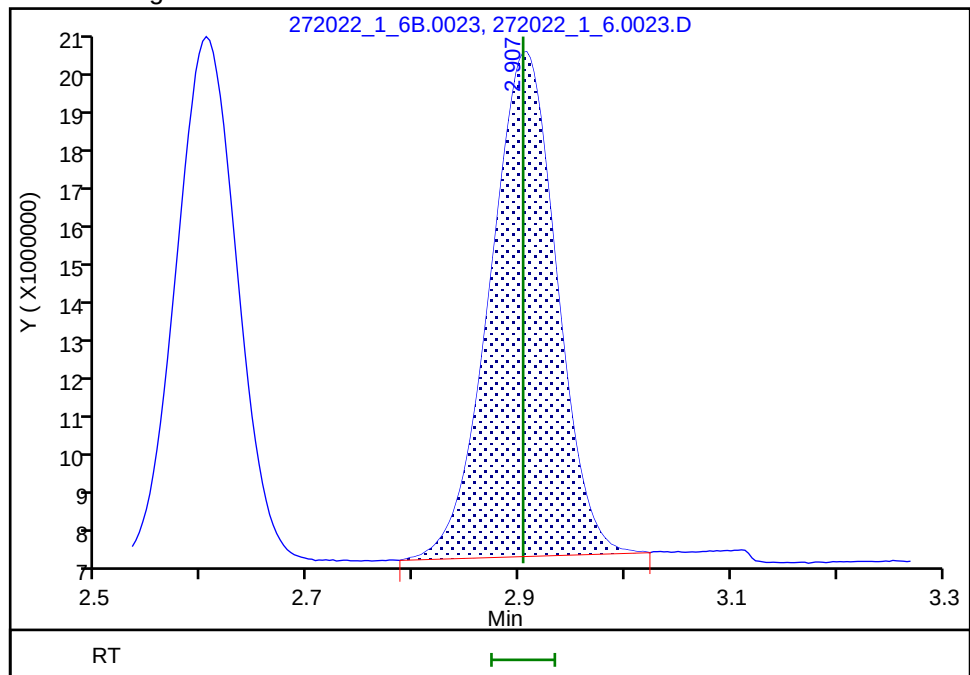
RT: 2.91
Area: 58369798
Amount: 4864.3138
Amount Units: ug/l

Processing Integration Results



RT: 2.91
Area: 57019791
Amount: 4751.8095
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 08-Jan-2022 06:08:35
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 466 of 550

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 410-212303/1-A
Matrix: Water Lab File ID: 272022_1_6.0005.D
Analysis Method: 8015D Date Collected: _____
Sample wt/vol: 1(mL) Date Analyzed: 01/06/2022 12:09
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX200 ID: _____
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 212308 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	91		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0005.D
 Lims ID: MB 410-212303/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 06-Jan-2022 12:09:00 ALS Bottle#: 0 Worklist Smp#: 5
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: MB 410-212303/1-A
 Misc. Info.: 410-0047889-005
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Jan-2022 06:25:57 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1603

First Level Reviewer: kennedyj

Date: 06-Jan-2022 12:50:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							MU
1		0.337				ND	
2		0.710					
2 Ethanol							
1		0.433				ND	
2		1.627					
3 Isopropyl alcohol							
1		0.533				ND	
2		2.903					
4 Propanol							
1		0.717				ND	
2		3.447					
\$ 5 Acetone							M
1	0.953	0.950	0.003	9361978	2504.0	2269.9	M
2	2.600	2.603	-0.003	29029170	2504.0	2443.5	M
						RPD = 7.37	
6 Isobutyl alcohol							
1		1.097				ND	
7 n-Butanol							
1		1.373				ND	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 08-Jan-2022 06:25:58

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0005.D

Injection Date: 06-Jan-2022 12:09:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: MB 410-212303/1-A

Worklist Smp#: 5

Client ID:

Purge Vol: 1.000 uL

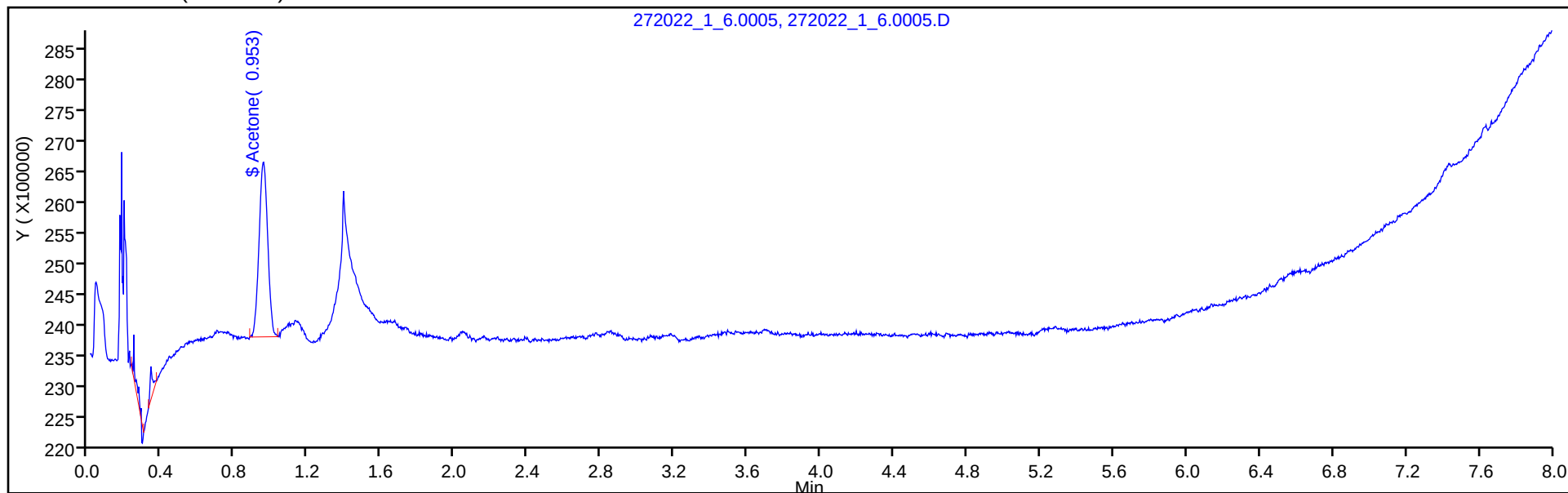
Dil. Factor: 1.0000

ALS Bottle#: 0

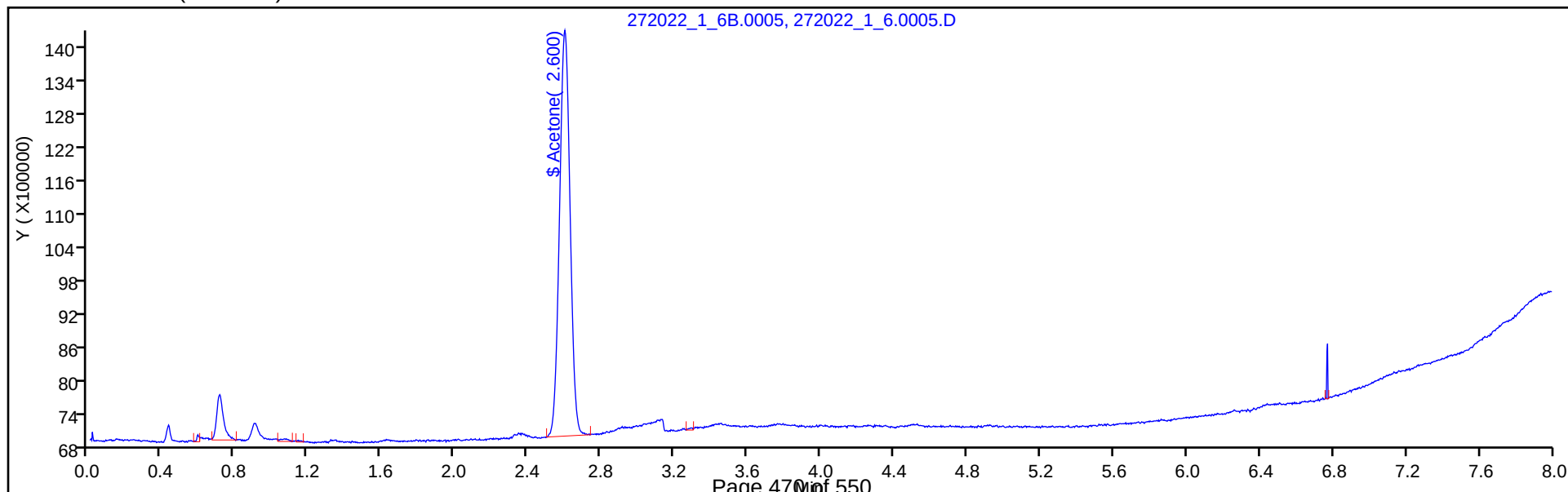
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

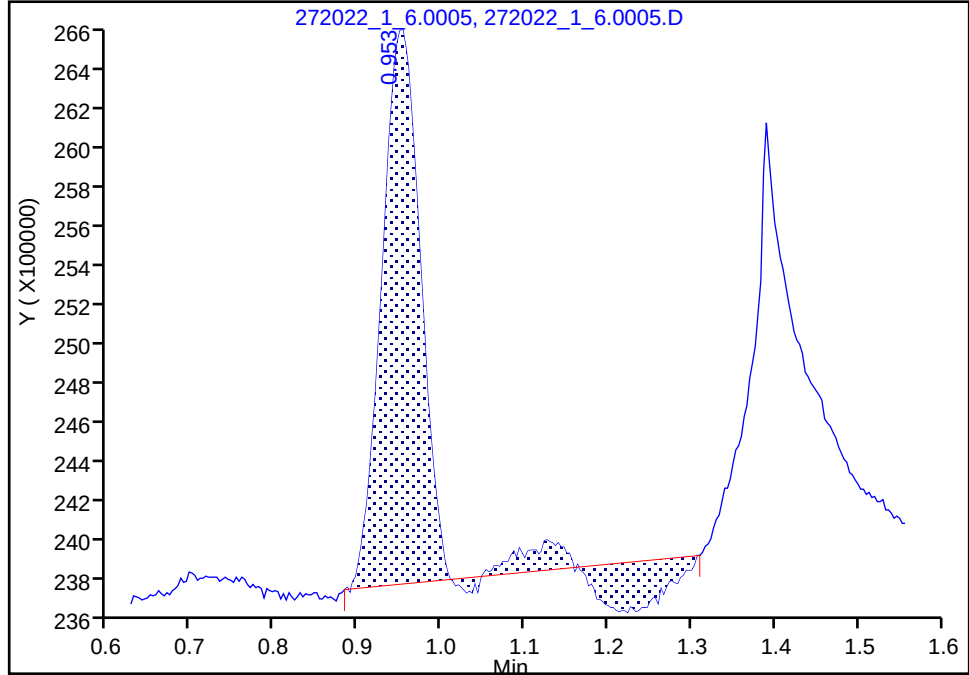
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0005.D
Injection Date: 06-Jan-2022 12:09:00 Instrument ID: 2739
Lims ID: MB 410-212303/1-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

\$ 5 Acetone, CAS: 67-64-1

Signal: 1

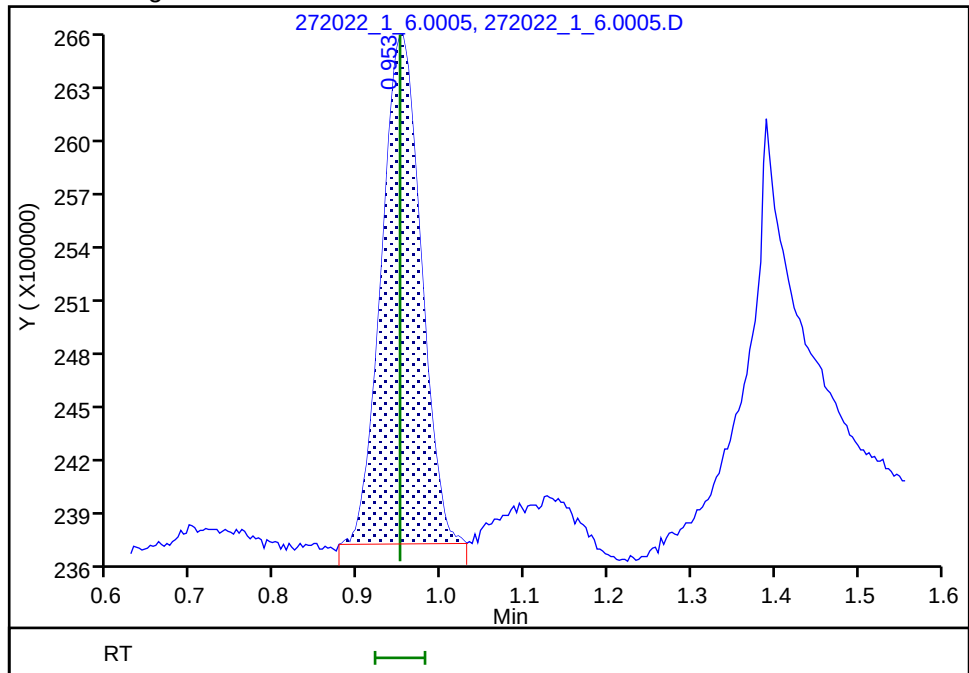
RT: 0.95
Area: 8082812
Amount: 1959.7222
Amount Units: ug/l

Processing Integration Results



RT: 0.95
Area: 9361978
Amount: 2269.8630
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 06-Jan-2022 12:50:41
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0005.D

Injection Date: 06-Jan-2022 12:09:00

Instrument ID: 2739

Lims ID: MB 410-212303/1-A

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 5

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

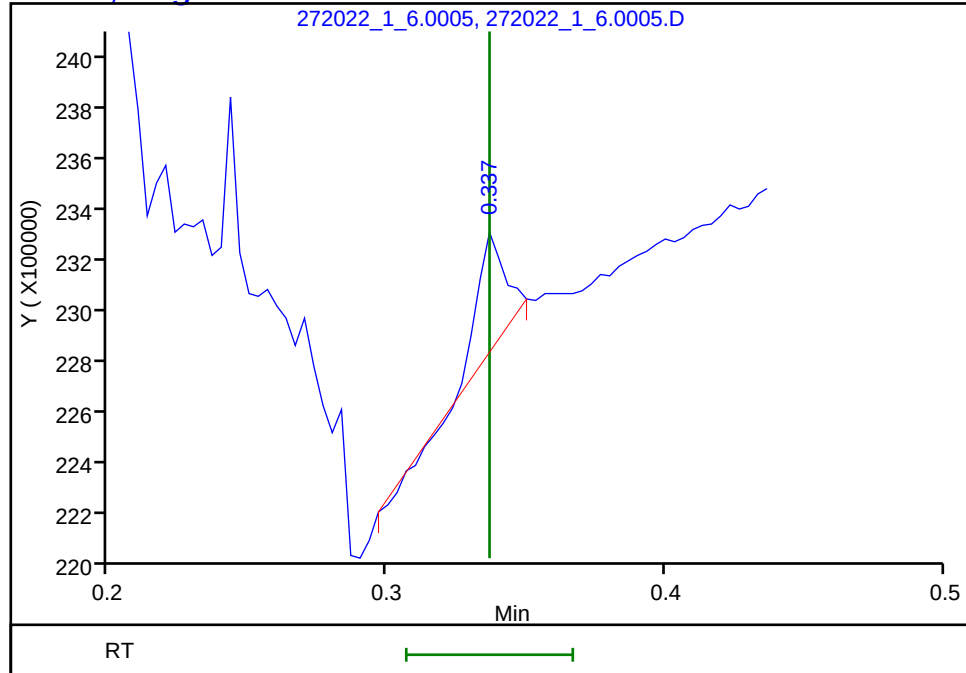
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

Detector

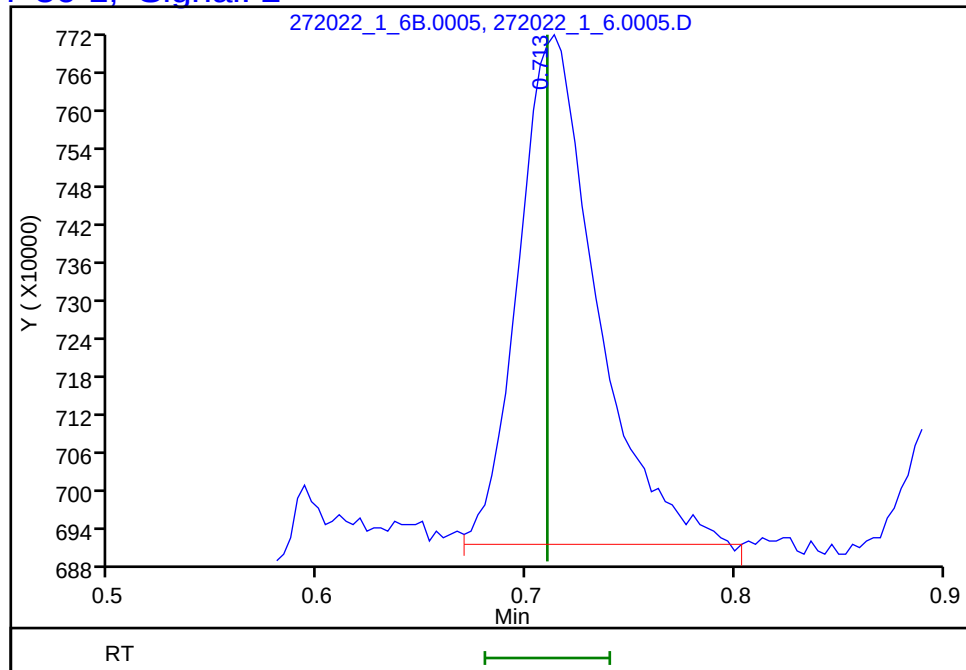
0FIDA

1 Methanol, CAS: 67-56-1, Signal: 1RT: 0.34
Response: 284374
Amount: 95.023587

Column: SP1000 (0.00 mm)

Detector

1FIDB

1 Methanol, CAS: 67-56-1, Signal: 2RT: 0.71
Response: 2098958
Amount: 272.9907

Reviewer: kennedyj, 06-Jan-2022 12:50:55

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 410-212303/1-A
Matrix: Water Lab File ID: 272022_1_6.0005.D
Analysis Method: 8015D Date Collected: _____
Sample wt/vol: 1(mL) Date Analyzed: 01/06/2022 12:09
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: SP1000 ID: _____
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 212308 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
64-17-5	Ethanol	ND		1000	150
67-56-1	Methanol	ND		1000	220

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	98		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0005.D
 Lims ID: MB 410-212303/1-A
 Client ID:
 Sample Type: MB
 Inject. Date: 06-Jan-2022 12:09:00 ALS Bottle#: 0 Worklist Smp#: 5
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: MB 410-212303/1-A
 Misc. Info.: 410-0047889-005
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Jan-2022 06:25:57 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1603

First Level Reviewer: kennedyj

Date: 06-Jan-2022 12:50:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

1 Methanol							MU
1		0.337				ND	
2		0.710					
2 Ethanol							
1		0.433				ND	
2		1.627					
3 Isopropyl alcohol							
1		0.533				ND	
2		2.903					
4 Propanol							
1		0.717				ND	
2		3.447					
\$ 5 Acetone							M
1	0.953	0.950	0.003	9361978	2504.0	2269.9	M
2	2.600	2.603	-0.003	29029170	2504.0	2443.5	M
						RPD = 7.37	
6 Isobutyl alcohol							
1		1.097				ND	
7 n-Butanol							
1		1.373				ND	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 08-Jan-2022 06:25:59

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0005.D

Injection Date: 06-Jan-2022 12:09:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: MB 410-212303/1-A

Worklist Smp#: 5

Client ID:

Purge Vol: 1.000 uL

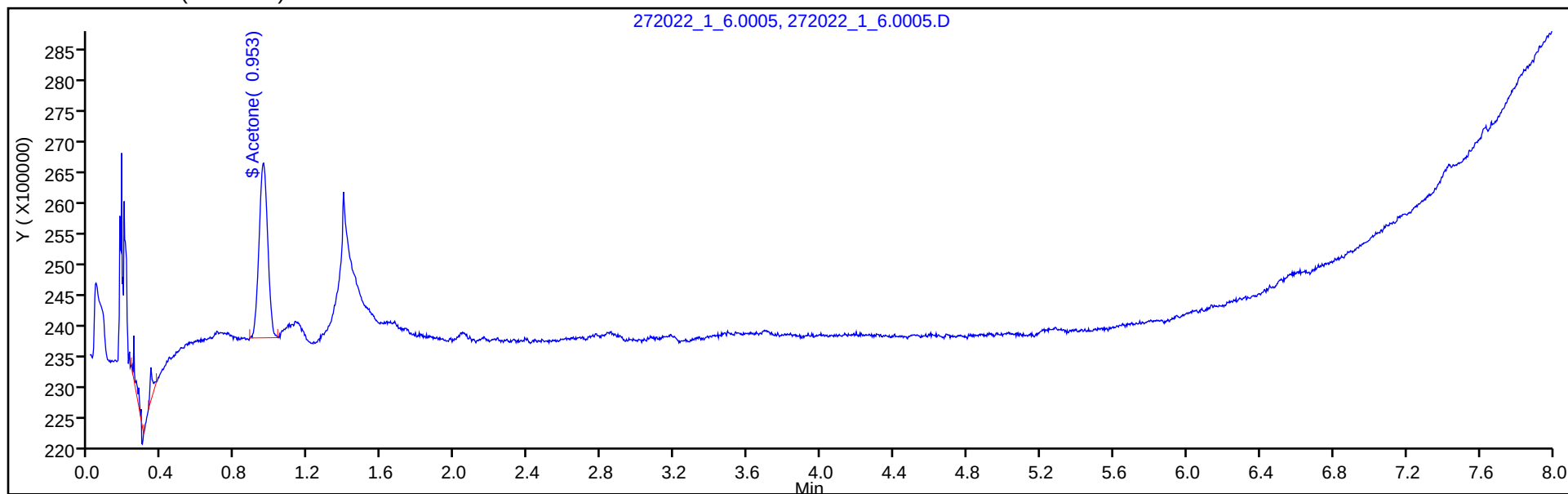
Dil. Factor: 1.0000

ALS Bottle#: 0

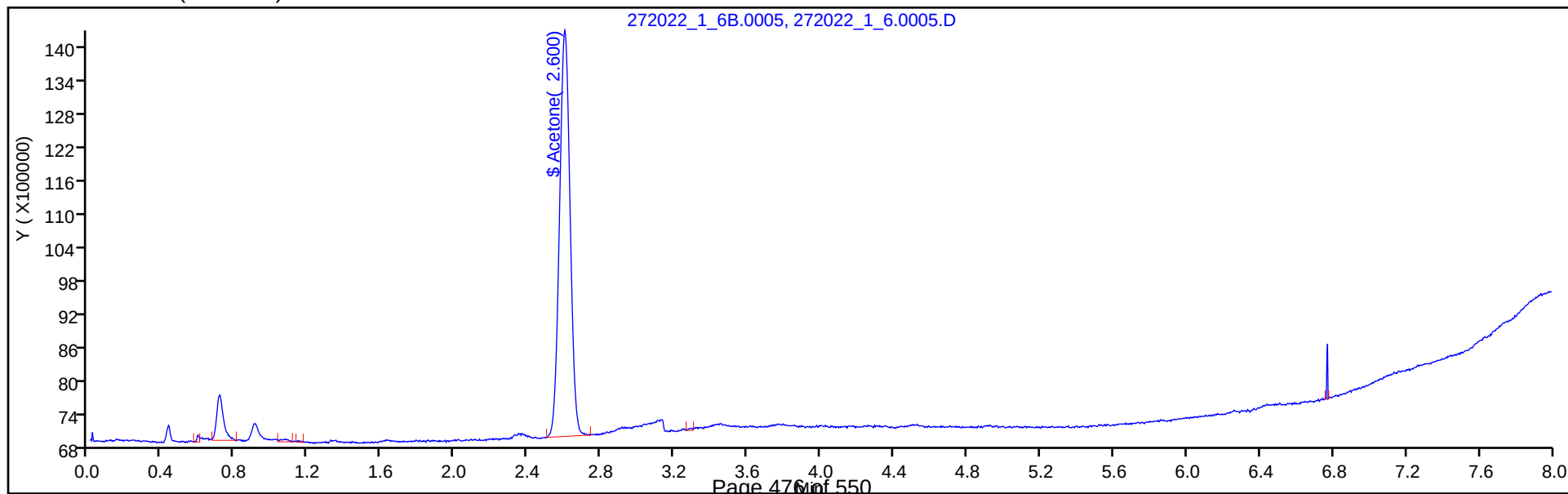
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

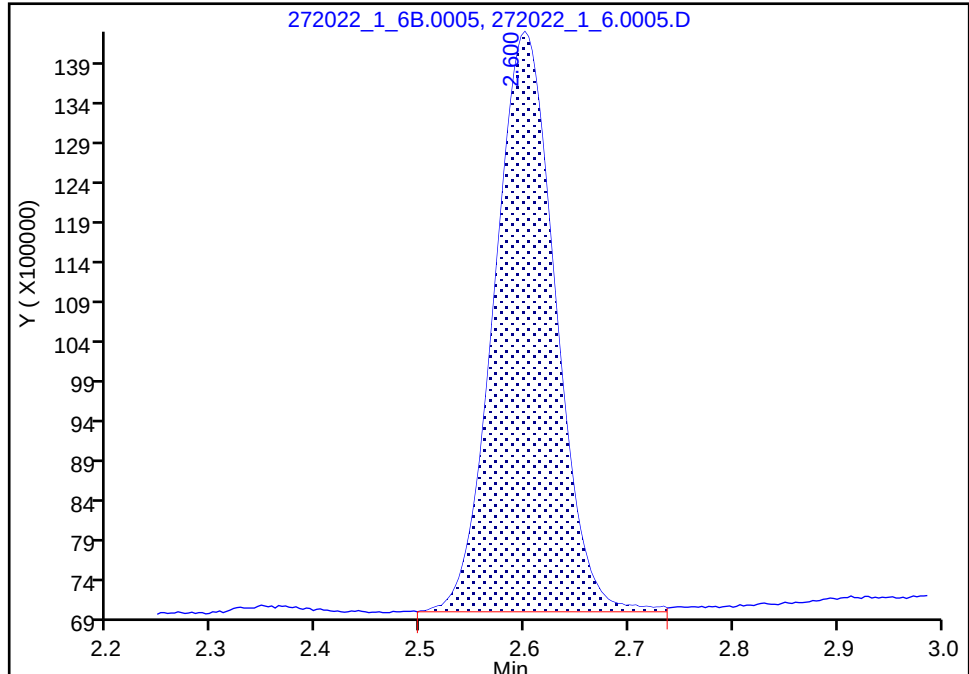
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0005.D
Injection Date: 06-Jan-2022 12:09:00 Instrument ID: 2739
Lims ID: MB 410-212303/1-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

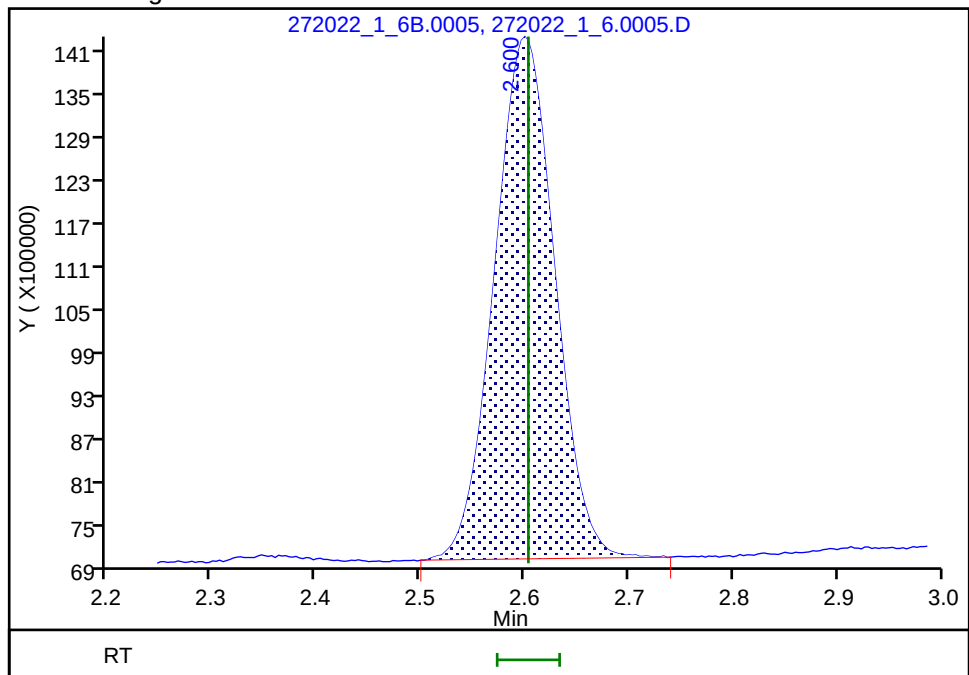
RT: 2.60
Area: 29474996
Amount: 2480.9924
Amount Units: ug/l

Processing Integration Results



RT: 2.60
Area: 29029170
Amount: 2443.4660
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 06-Jan-2022 12:50:35
Audit Action: Manually Integrated

Audit Reason: Peak not integrated
Page 477 of 550

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0005.D

Injection Date: 06-Jan-2022 12:09:00

Instrument ID: 2739

Lims ID: MB 410-212303/1-A

Client ID:

Operator ID: Administrator

ALS Bottle#:

0

Worklist Smp#: 5

Purge Vol: 1.000 uL

Dil. Factor: 1.0000

Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)

Detector

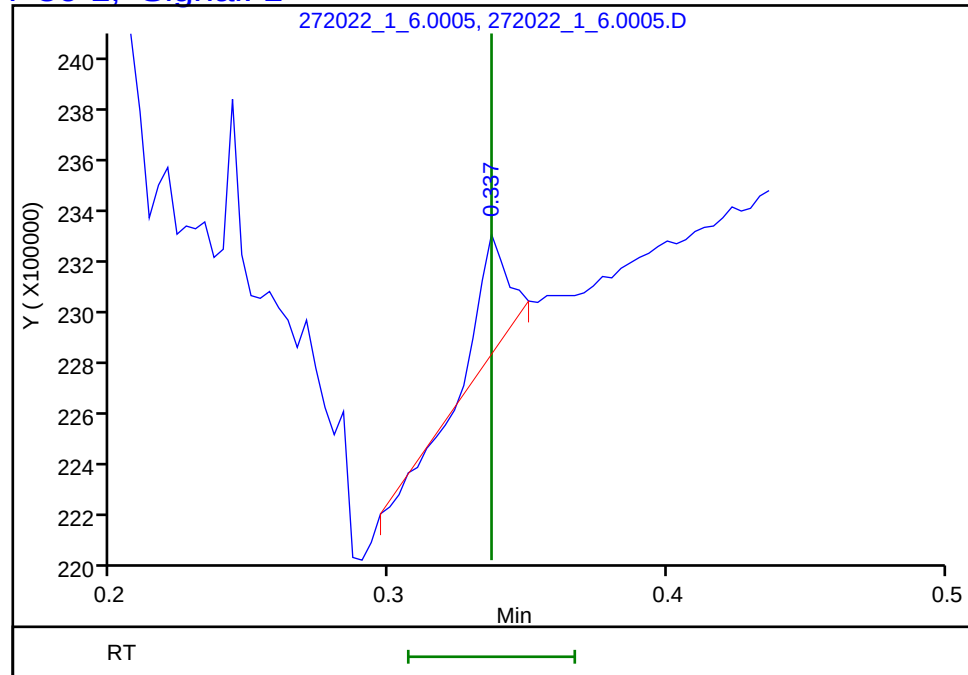
0FIDA

1 Methanol, CAS: 67-56-1, Signal: 1

RT: 0.34

Response: 284374

Amount: 95.023587



Column: SP1000 (0.00 mm)

Detector

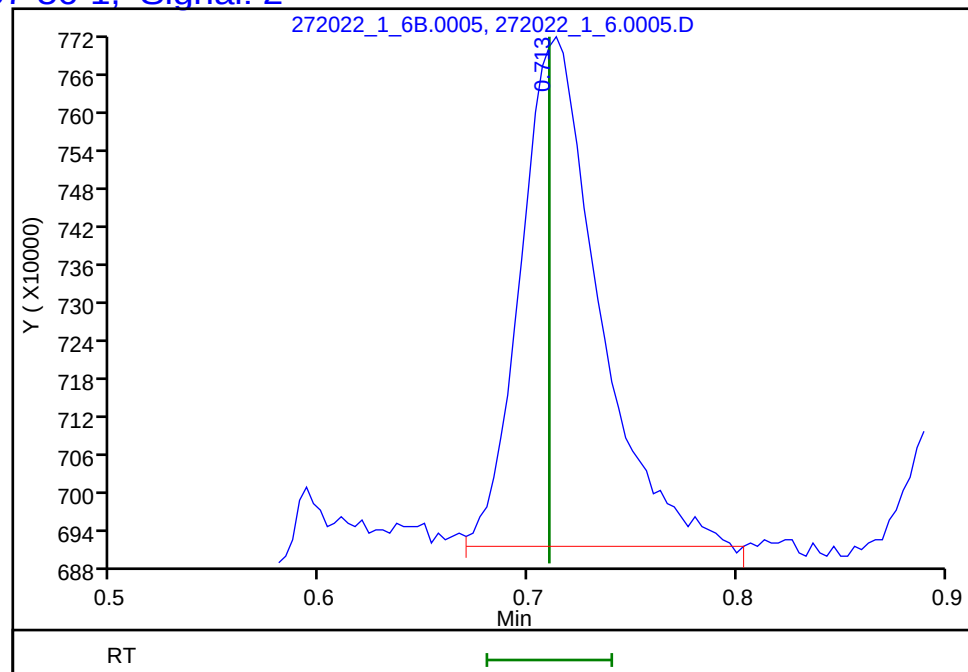
1FIDB

1 Methanol, CAS: 67-56-1, Signal: 2

RT: 0.71

Response: 2098958

Amount: 272.9907



Reviewer: kennedyj, 06-Jan-2022 12:50:55

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 410-212303/2-A
Matrix: Water Lab File ID: 272022_1_6.0006.D
Analysis Method: 8015D Date Collected: _____
Sample wt/vol: 1(mL) Date Analyzed: 01/06/2022 12:28
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: RTX200 ID: _____
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 212308 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	85		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0006.D
 Lims ID: LCS 410-212303/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 06-Jan-2022 12:28:00 ALS Bottle#: 0 Worklist Smp#: 6
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: LCS 410-212303/2-A
 Misc. Info.: 410-0047889-006
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Jan-2022 06:25:57 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1603

First Level Reviewer: kennedyj

Date: 06-Jan-2022 12:49:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							Ma
1	0.337	0.337	0.000	6831249	2507.0	2282.7	M
2	0.710	0.710	0.000	21502079	2507.0	2796.6	a
RPD = 20.24							
2 Ethanol							M
1	0.437	0.433	0.004	9422917	2501.0	2255.7	M
2	1.627	1.627	0.000	28188539	2501.0	2518.6	M
RPD = 11.01							
3 Isopropyl alcohol							M
1	0.537	0.533	0.004	10205211	2505.0	2392.7	M
2	2.900	2.903	-0.003	30937501	2505.0	2578.2	M
RPD = 7.46							
4 Propanol							M
1	0.720	0.717	0.003	13921874	2534.8	2128.5	M
2	3.443	3.447	-0.004	37866661	2534.8	2667.5	
RPD = 22.48							
\$ 5 Acetone							M
1	0.950	0.950	0.000	8780208	2504.0	2128.8	
2	2.600	2.603	-0.003	28483328	2504.0	2397.5	M
RPD = 11.87							
6 Isobutyl alcohol							M
1	1.100	1.097	0.003	16063543	2572.1	2508.8	M
7 n-Butanol							Ma
1	1.383	1.373	0.010	26445316	2584.5	4937.4	Ma

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Report Date: 08-Jan-2022 06:25:59

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0006.D

Injection Date: 06-Jan-2022 12:28:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: LCS 410-212303/2-A

Worklist Smp#: 6

Client ID:

Purge Vol: 1.000 uL

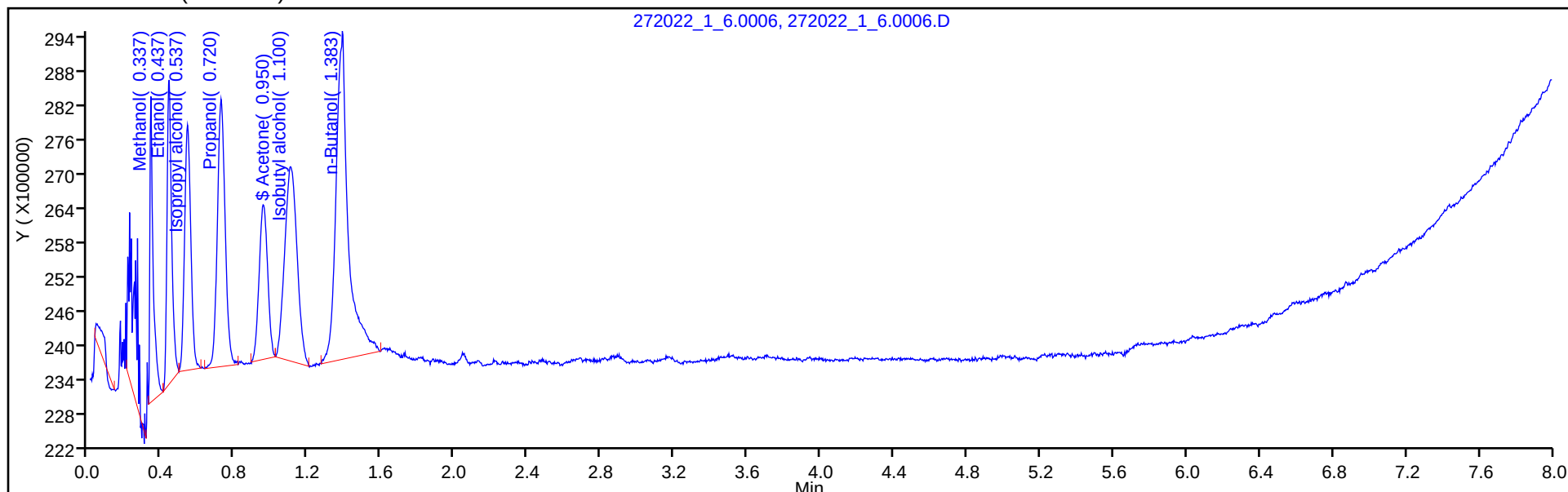
Dil. Factor: 1.0000

ALS Bottle#: 0

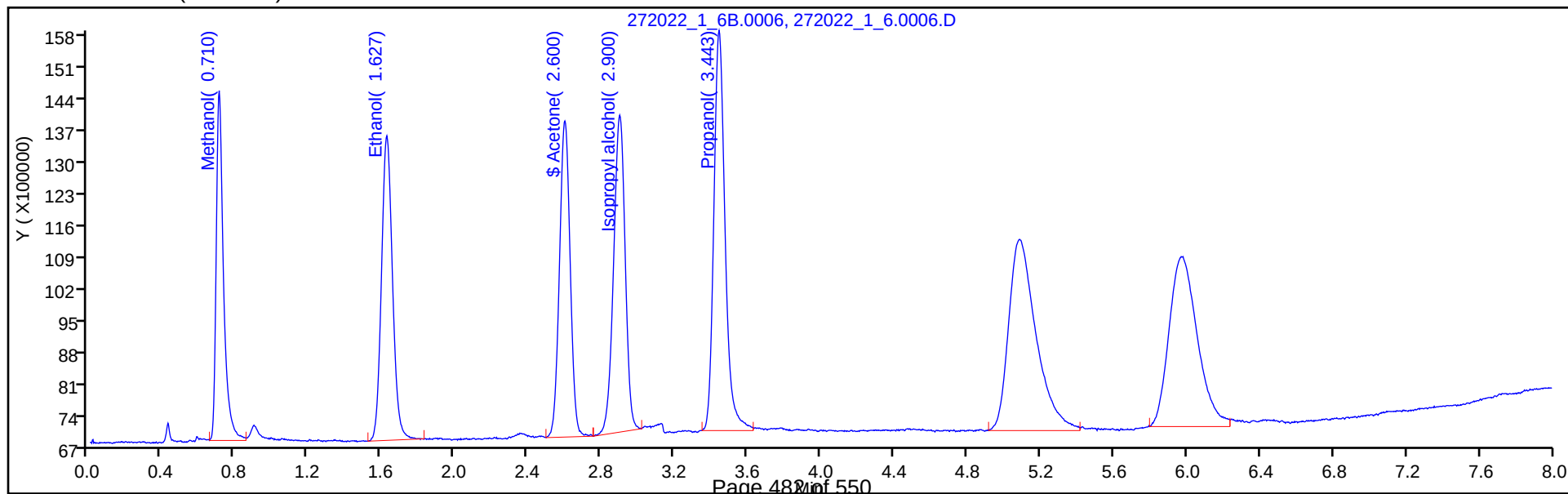
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

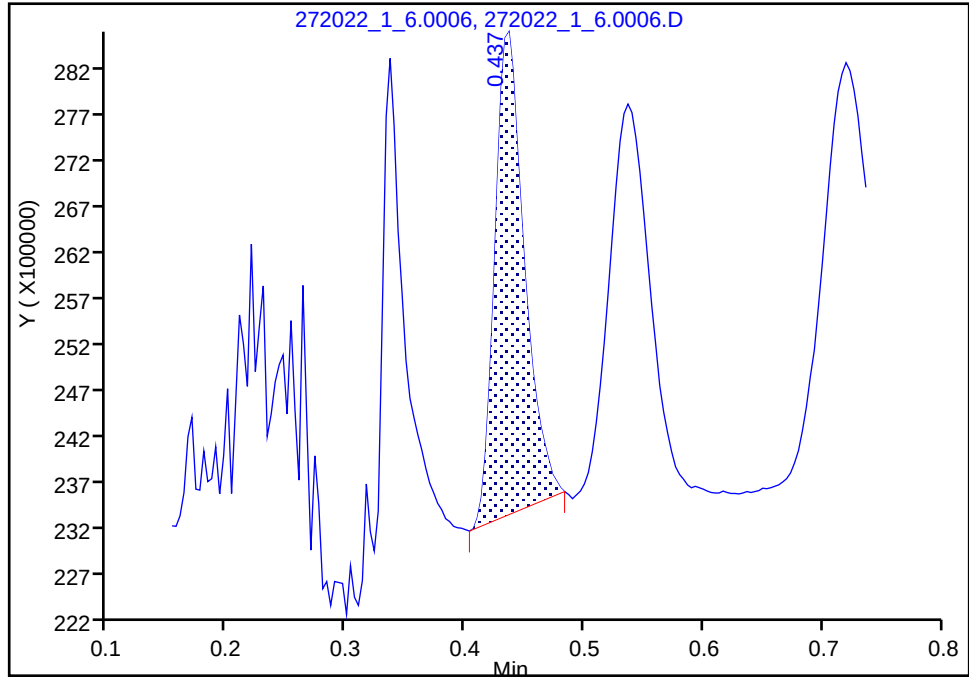
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0006.D
Injection Date: 06-Jan-2022 12:28:00 Instrument ID: 2739
Lims ID: LCS 410-212303/2-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

2 Ethanol, CAS: 64-17-5

Signal: 1

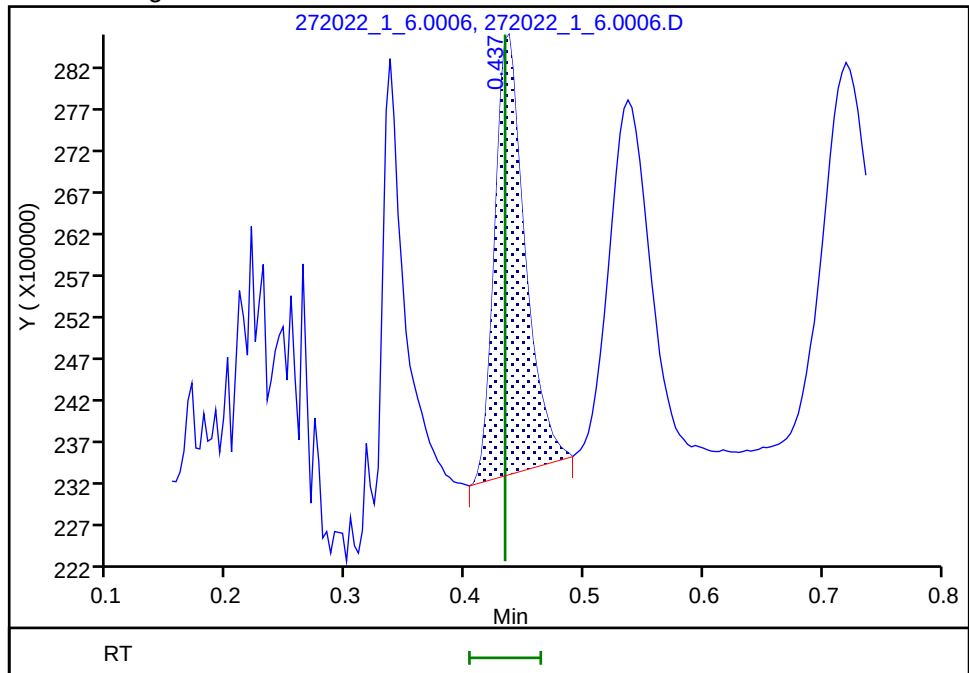
RT: 0.44
Area: 9147396
Amount: 2189.7031
Amount Units: ug/l

Processing Integration Results



RT: 0.44
Area: 9422917
Amount: 2255.6573
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 06-Jan-2022 12:51:33
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

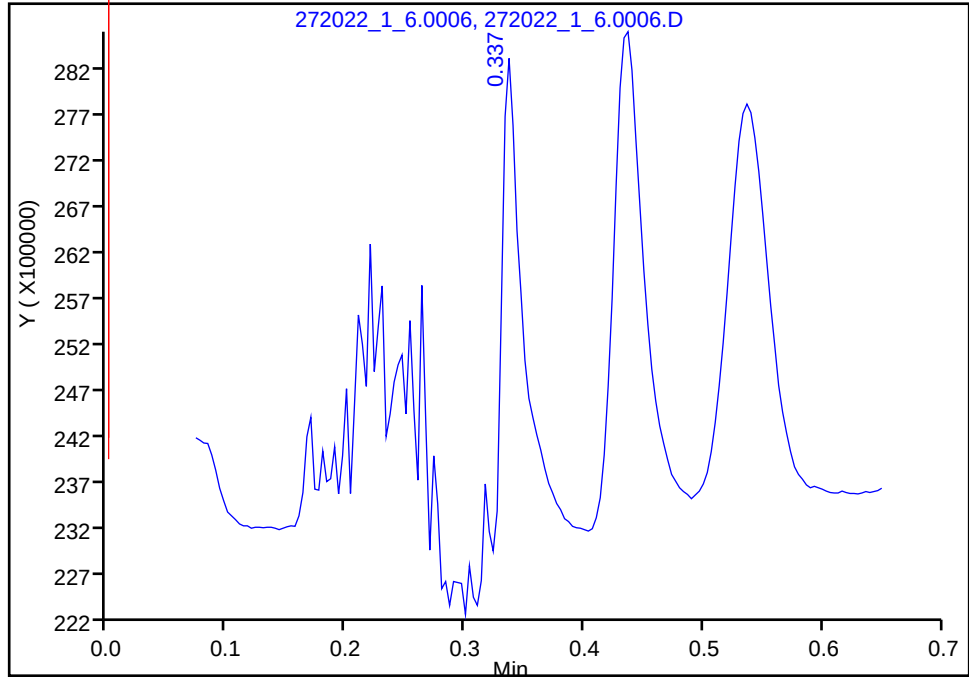
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0006.D
Injection Date: 06-Jan-2022 12:28:00 Instrument ID: 2739
Lims ID: LCS 410-212303/2-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: RTX200 (0.00 mm) Detector: OFIDA

1 Methanol, CAS: 67-56-1

Signal: 1

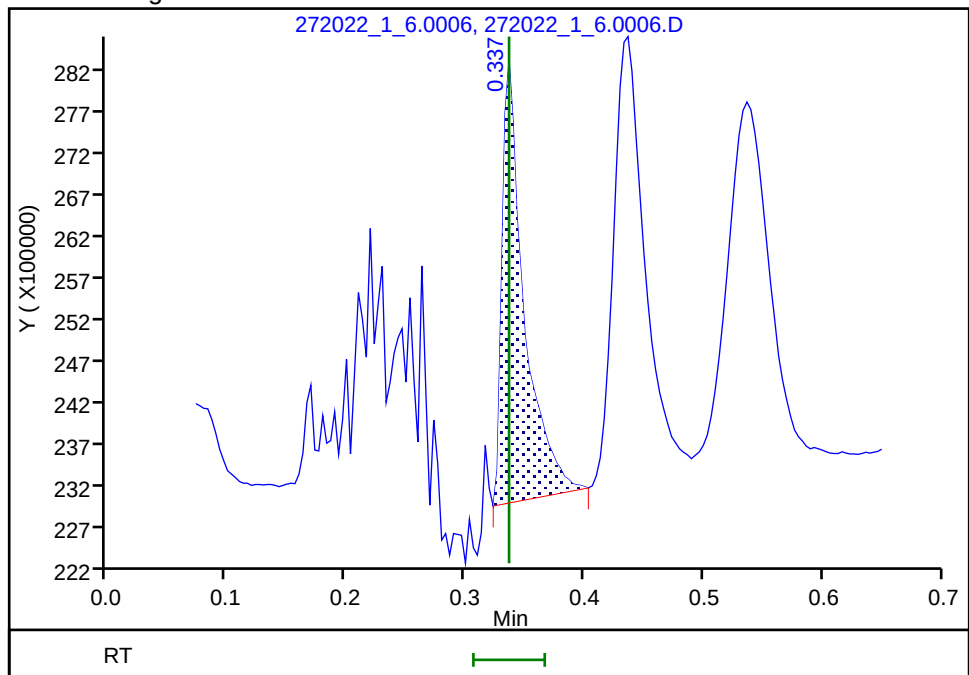
RT: 0.34
Area: 0
Amount: 2796.5623
Amount Units: ug/l

Processing Integration Results



RT: 0.34
Area: 6831249
Amount: 2282.6622
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 06-Jan-2022 12:51:37

Audit Action: Manually Integrated/Assigned Compound ID Audit Reason: Peak not integrated

FORM I
GC VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 410-212303/2-A
Matrix: Water Lab File ID: 272022_1_6.0006.D
Analysis Method: 8015D Date Collected: _____
Sample wt/vol: 1(mL) Date Analyzed: 01/06/2022 12:28
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: SP1000 ID: _____
% Moisture: _____ Level: (low/med) Low
Analysis Batch No.: 212308 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
64-17-5	Ethanol	2520		1000	150
67-56-1	Methanol	2800		1000	220

CAS NO.	SURROGATE	%REC	Q	LIMITS
67-64-1	Acetone	96		58-149

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0006.D
 Lims ID: LCS 410-212303/2-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 06-Jan-2022 12:28:00 ALS Bottle#: 0 Worklist Smp#: 6
 Purge Vol: 1.000 uL Dil. Factor: 1.0000
 Sample Info: LCS 410-212303/2-A
 Misc. Info.: 410-0047889-006
 Operator ID: Administrator Instrument ID: 2739
 Method: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\8015_DAI_2739.m
 Limit Group: GCV - 8015C_D DAI
 Last Update: 08-Jan-2022 06:25:57 Calib Date: 07-Dec-2021 15:02:00
 Integrator: RTE
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\2739\20211207-45751.b\272021_12_7.0014.D
 Column 1 : RTX200 (0.00 mm) Det: 0FIDA
 Column 2 : SP1000 (0.00 mm) Det: 1FIDB
 Process Host: CTX1603

First Level Reviewer: kennedyj

Date: 06-Jan-2022 12:49:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Methanol							Ma
1	0.337	0.337	0.000	6831249	2507.0	2282.7	M
2	0.710	0.710	0.000	21502079	2507.0	2796.6	a
RPD = 20.24							
2 Ethanol							M
1	0.437	0.433	0.004	9422917	2501.0	2255.7	M
2	1.627	1.627	0.000	28188539	2501.0	2518.6	M
RPD = 11.01							
3 Isopropyl alcohol							M
1	0.537	0.533	0.004	10205211	2505.0	2392.7	M
2	2.900	2.903	-0.003	30937501	2505.0	2578.2	M
RPD = 7.46							
4 Propanol							M
1	0.720	0.717	0.003	13921874	2534.8	2128.5	M
2	3.443	3.447	-0.004	37866661	2534.8	2667.5	
RPD = 22.48							
\$ 5 Acetone							M
1	0.950	0.950	0.000	8780208	2504.0	2128.8	
2	2.600	2.603	-0.003	28483328	2504.0	2397.5	M
RPD = 11.87							
6 Isobutyl alcohol							M
1	1.100	1.097	0.003	16063543	2572.1	2508.8	M
7 n-Butanol							Ma
1	1.383	1.373	0.010	26445316	2584.5	4937.4	Ma

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Report Date: 08-Jan-2022 06:25:59

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0006.D

Injection Date: 06-Jan-2022 12:28:00

Instrument ID: 2739

Operator ID: Administrator

Lims ID: LCS 410-212303/2-A

Worklist Smp#: 6

Client ID:

Purge Vol: 1.000 uL

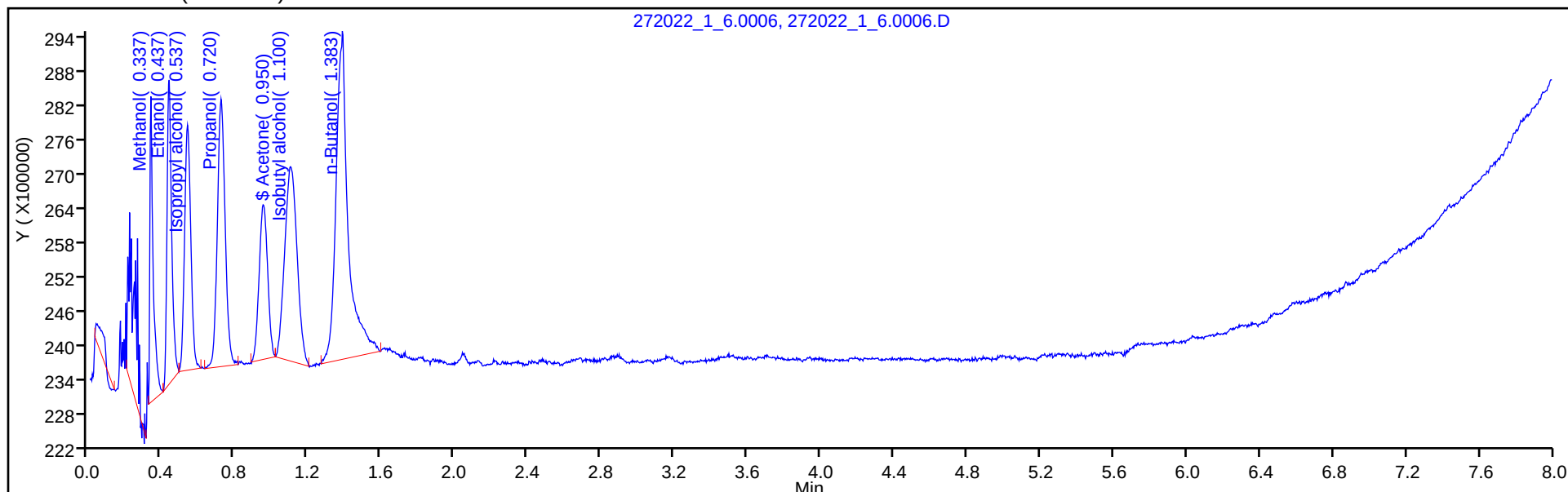
Dil. Factor: 1.0000

ALS Bottle#: 0

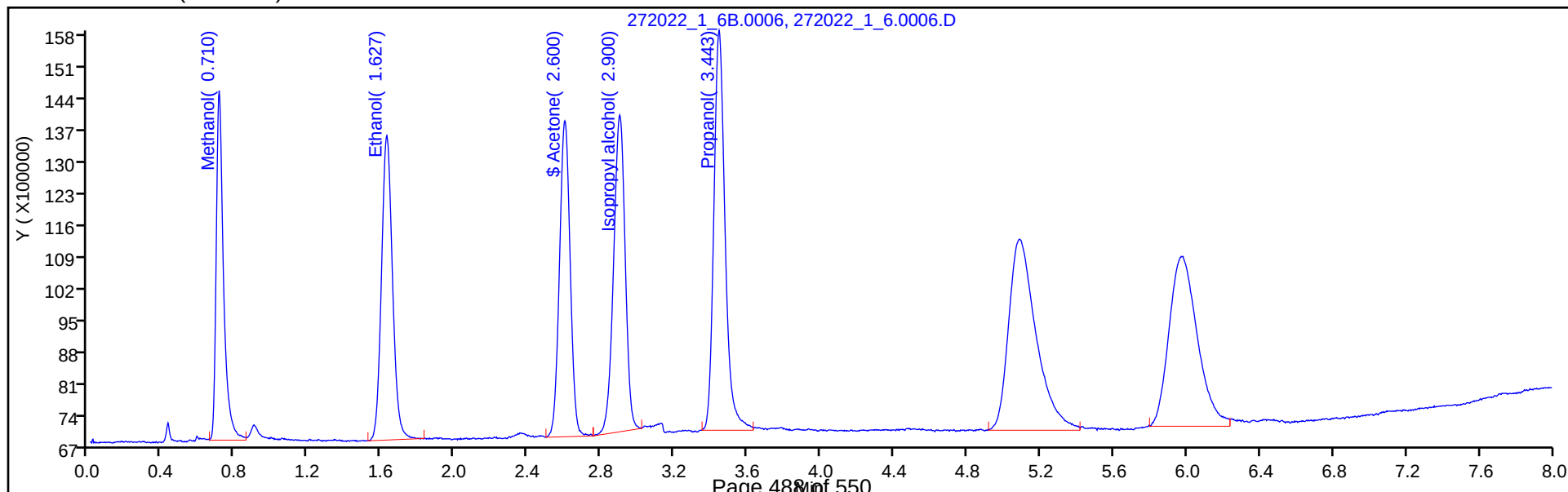
Method: 8015_DAI_2739

Limit Group: GCV - 8015C_D DAI

Column: RTX200 (0.00 mm)



Column: SP1000 (0.00 mm)



Eurofins Lancaster Laboratories Env, LLC

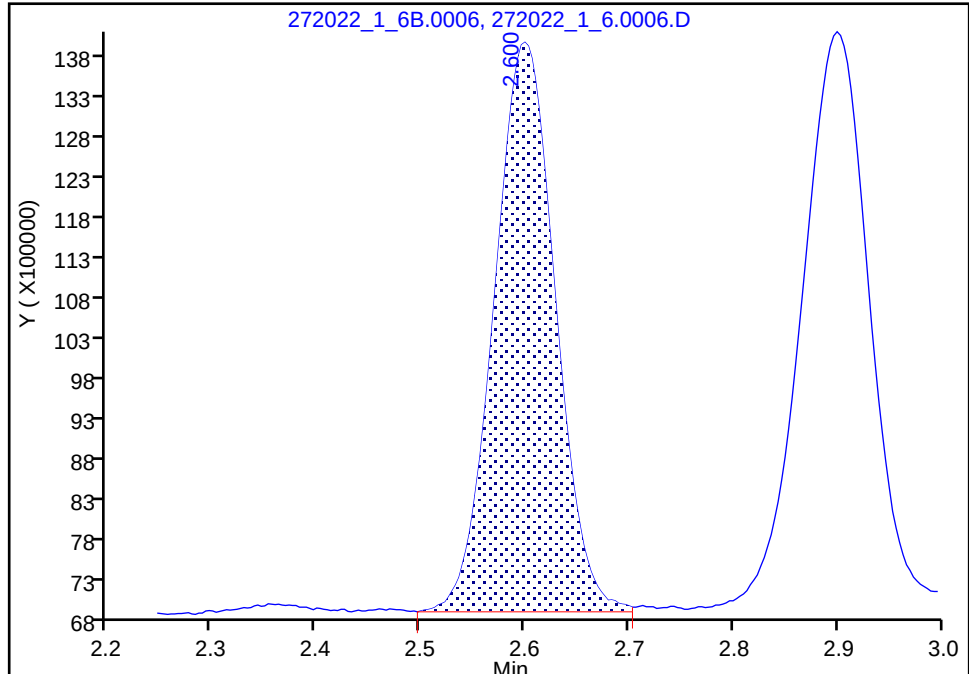
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0006.D
Injection Date: 06-Jan-2022 12:28:00 Instrument ID: 2739
Lims ID: LCS 410-212303/2-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

\$ 5 Acetone, CAS: 67-64-1

Signal: 2

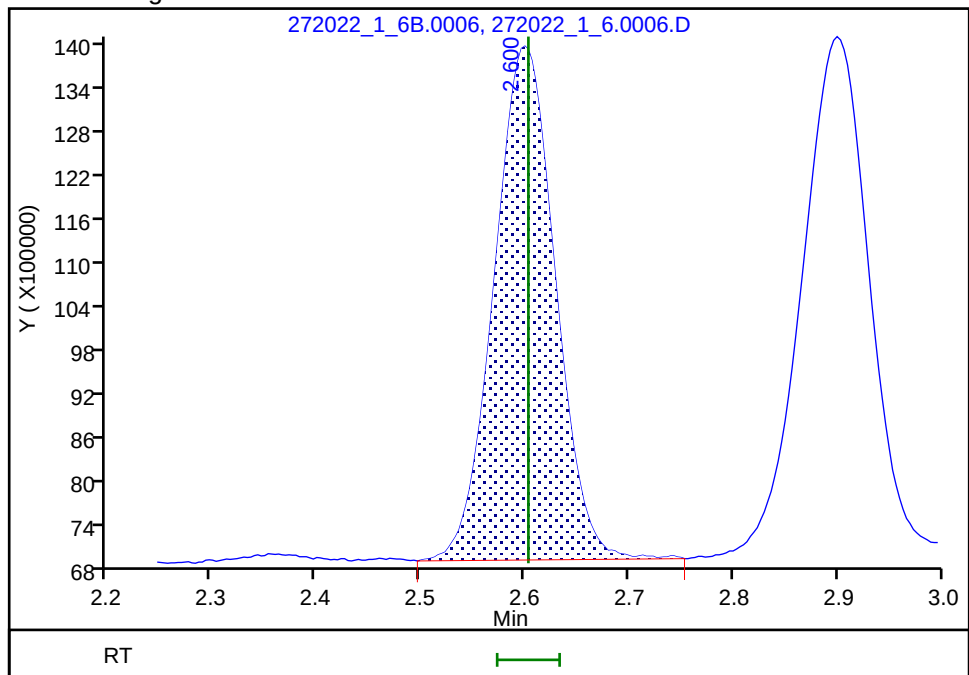
RT: 2.60
Area: 28557287
Amount: 2403.7463
Amount Units: ug/l

Processing Integration Results



RT: 2.60
Area: 28483328
Amount: 2397.5210
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 06-Jan-2022 12:51:51
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

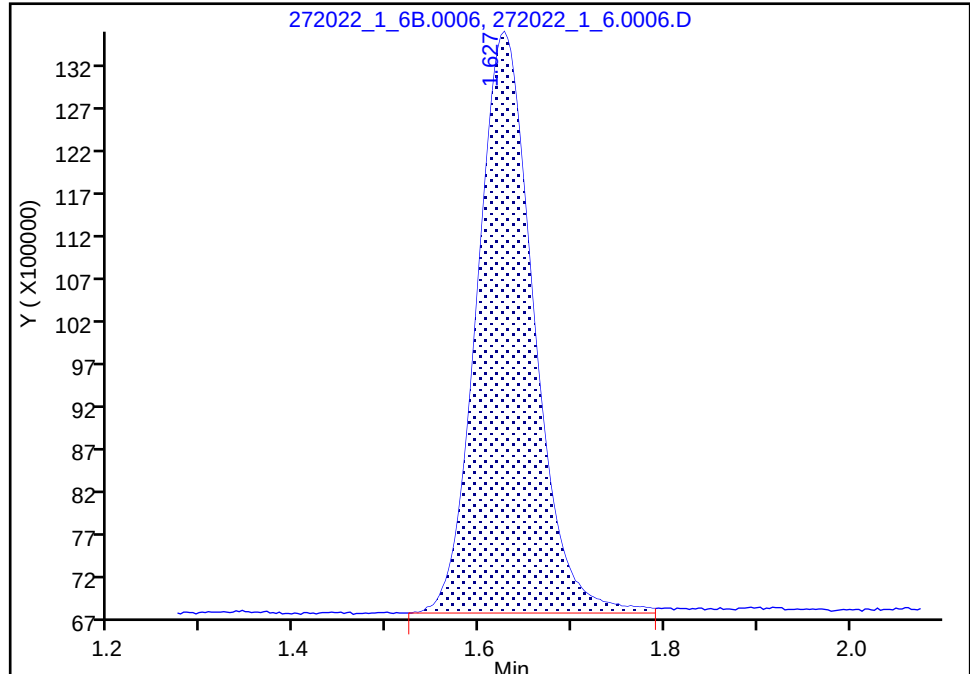
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0006.D
Injection Date: 06-Jan-2022 12:28:00 Instrument ID: 2739
Lims ID: LCS 410-212303/2-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

2 Ethanol, CAS: 64-17-5

Signal: 2

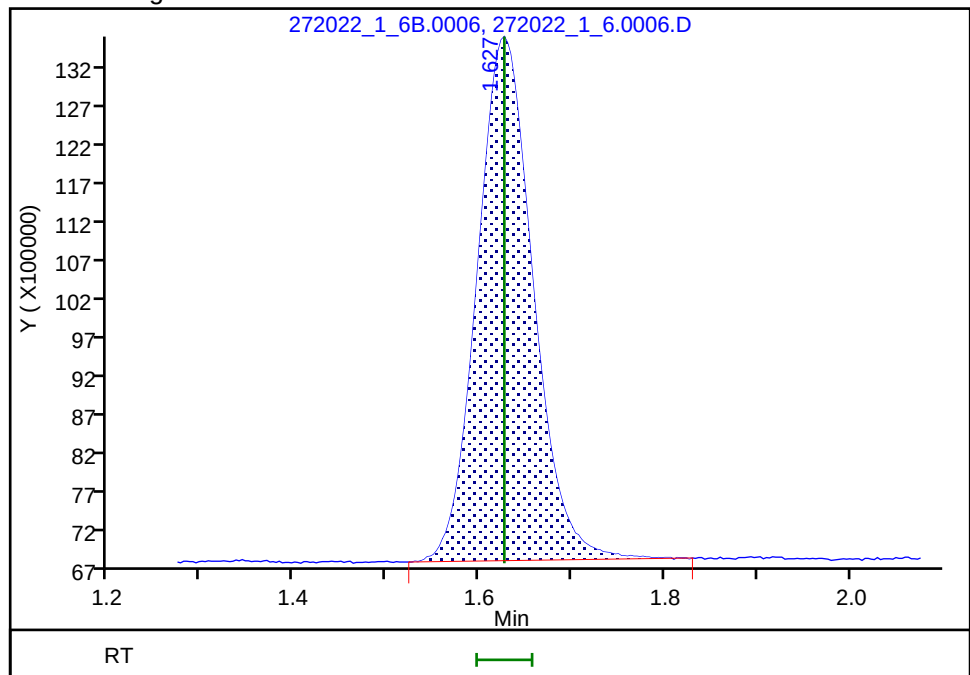
RT: 1.63
Area: 28547912
Amount: 2550.6600
Amount Units: ug/l

Processing Integration Results



RT: 1.63
Area: 28188539
Amount: 2518.5512
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 06-Jan-2022 12:51:48
Audit Action: Manually Integrated

Audit Reason: Peak not integrated

Eurofins Lancaster Laboratories Env, LLC

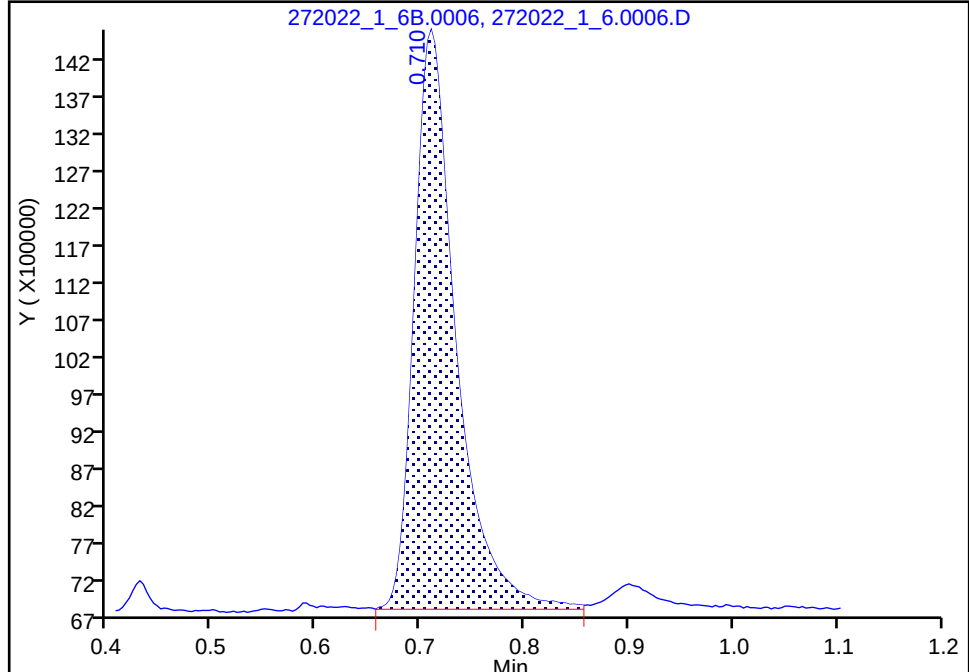
Data File: \\chromfs\Lancaster\ChromData\2739\20220106-47889.b\272022_1_6.0006.D
Injection Date: 06-Jan-2022 12:28:00 Instrument ID: 2739
Lims ID: LCS 410-212303/2-A
Client ID:
Operator ID: Administrator ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 1.000 uL Dil. Factor: 1.0000
Method: 8015_DAI_2739 Limit Group: GCV - 8015C_D DAI
Column: SP1000 (0.00 mm) Detector: 1FIDB

1 Methanol, CAS: 67-56-1

Signal: 2

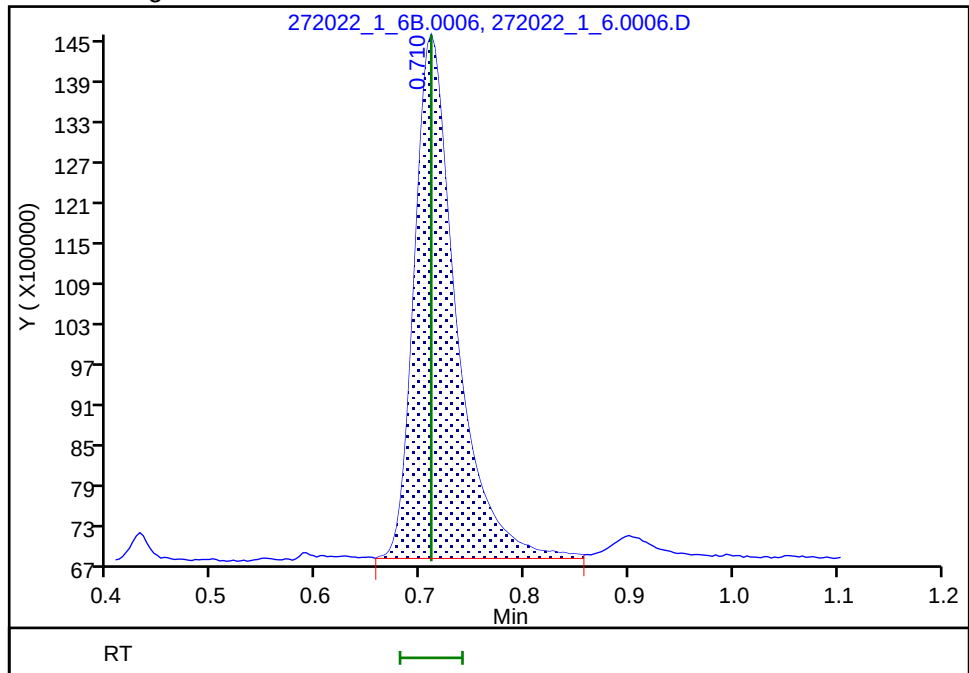
RT: 0.71
Area: 21502079
Amount: 2796.5623
Amount Units: ug/l

Processing Integration Results



RT: 0.71
Area: 21502079
Amount: 2796.5623
Amount Units: ug/l

Manual Integration Results



Reviewer: kennedyj, 06-Jan-2022 12:51:36
Audit Action: Assigned Compound ID

Audit Reason: Peak not integrated

GC VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1

SDG No.: _____

Instrument ID: 2739Start Date: 12/07/2021 13:28Analysis Batch Number: 202429End Date: 12/07/2021 15:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 410-202429/2		12/07/2021 13:28	1		RTX200
PIBLK 410-202429/2		12/07/2021 13:28	1		SP1000
IC 410-202429/3		12/07/2021 13:47	1	272021_12_7.001 0.D	RTX200
IC 410-202429/3		12/07/2021 13:47	1	272021_12_7.001 0.D	SP1000
IC 410-202429/4		12/07/2021 14:06	1	272021_12_7.001 1.D	RTX200
IC 410-202429/4		12/07/2021 14:06	1	272021_12_7.001 1.D	SP1000
ICRT 410-202429/5		12/07/2021 14:24	1	272021_12_7.001 2.D	RTX200
ICRT 410-202429/5		12/07/2021 14:24	1	272021_12_7.001 2.D	SP1000
IC 410-202429/6		12/07/2021 14:43	1	272021_12_7.001 3.D	RTX200
IC 410-202429/6		12/07/2021 14:43	1	272021_12_7.001 3.D	SP1000
IC 410-202429/7		12/07/2021 15:02	1	272021_12_7.001 4.D	RTX200
IC 410-202429/7		12/07/2021 15:02	1	272021_12_7.001 4.D	SP1000
ICVL 410-202429/9		12/07/2021 15:39	1		RTX200
ICVL 410-202429/9		12/07/2021 15:39	1		SP1000
ICV 410-202429/10		12/07/2021 15:58	1	272021_12_7.001 7.D	RTX200
ICV 410-202429/10		12/07/2021 15:58	1	272021_12_7.001 7.D	SP1000

GC VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1

SDG No.: _____

Instrument ID: 2739Start Date: 01/06/2022 11:50Analysis Batch Number: 212308End Date: 01/06/2022 17:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 410-212308/4		01/06/2022 11:50	1	272022_1_6.0004 .D	RTX200
CCVRT 410-212308/4		01/06/2022 11:50	1	272022_1_6.0004 .D	SP1000
MB 410-212303/1-A		01/06/2022 12:09	1	272022_1_6.0005 .D	RTX200
MB 410-212303/1-A		01/06/2022 12:09	1	272022_1_6.0005 .D	SP1000
LCS 410-212303/2-A		01/06/2022 12:28	1	272022_1_6.0006 .D	RTX200
LCS 410-212303/2-A		01/06/2022 12:28	1	272022_1_6.0006 .D	SP1000
CCV 410-212308/10		01/06/2022 13:44	1	272022_1_6.0010 .D	RTX200
CCV 410-212308/10		01/06/2022 13:44	1	272022_1_6.0010 .D	SP1000
ZZZZZ		01/06/2022 14:03	1		RTX200
ZZZZZ		01/06/2022 14:03	1		SP1000
ZZZZZ		01/06/2022 14:22	1		RTX200
ZZZZZ		01/06/2022 14:22	1		SP1000
ZZZZZ		01/06/2022 14:41	1		RTX200
ZZZZZ		01/06/2022 14:41	1		SP1000
ZZZZZ		01/06/2022 14:59	1		RTX200
ZZZZZ		01/06/2022 14:59	1		SP1000
ZZZZZ		01/06/2022 15:18	1		RTX200
ZZZZZ		01/06/2022 15:18	1		SP1000
ZZZZZ		01/06/2022 15:37	1		RTX200
ZZZZZ		01/06/2022 15:37	1		SP1000
ZZZZZ		01/06/2022 15:56	1		RTX200
ZZZZZ		01/06/2022 15:56	1		SP1000
ZZZZZ		01/06/2022 16:14	1		RTX200
ZZZZZ		01/06/2022 16:14	1		SP1000
CCV 410-212308/19		01/06/2022 16:33	1	272022_1_6.0019 .D	RTX200
CCV 410-212308/19		01/06/2022 16:33	1	272022_1_6.0019 .D	SP1000
ZZZZZ		01/06/2022 16:52	1		RTX200
ZZZZZ		01/06/2022 16:52	1		SP1000
410-68062-1	Low Range VOC PT Lot# 122121	01/06/2022 17:10	1	272022_1_6.0021 .D	RTX200
410-68062-1	Low Range VOC PT Lot# 122121	01/06/2022 17:10	1	272022_1_6.0021 .D	SP1000
CCV 410-212308/23		01/06/2022 17:48	1	272022_1_6.0023 .D	RTX200
CCV 410-212308/23		01/06/2022 17:48	1	272022_1_6.0023 .D	SP1000

GC VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-68062-1

SDG No.: _____

Batch Number: 212303 Batch Start Date: 01/06/22 10:38 Batch Analyst: Kennedy, Johanna CBatch Method: 8015 DAI Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	EPH_LLMEMS 00008	EPH_LLMESS 00008	AnalysisComment
MB 410-212303/1		8015 DAI, 8015D			1 mL	1 mL		0.01 mL	
LCS 410-212303/2		8015 DAI, 8015D			1 mL	1 mL	0.01 mL	0.01 mL	
410-68062-A-1	Low Range VOC PT Lot# 122121	8015 DAI, 8015D	T	7 SU	1 mL	1 mL		0.01 mL	PT-1 vial

Batch Notes	
Pipette/Syringe/Dispenser ID	#3
Reagent Water ID	in house

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8315A

Carbonyl Compounds (HPLC) by Method
8315A

FORM II
HPLC/IC SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-68062-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): Supelcosil ID: 4.6 (mm)

Client Sample ID	Lab Sample ID	BTRA #
Low Range VOC PT Lot# 122121	410-68062-1	101
	MB 410-212223/13-A	72
	LCS 410-212223/14-A	94
	LCSD 410-212223/15-A	93
Low Range VOC PT Lot# 122121 DU	410-68062-1 DU	87

BTRA = Butyraldehyde

QC LIMITS
39-153

Column to be used to flag recovery values

FORM II 8315A

FORM III

Lab Name: Eurofins Lancaster Laboratories
Env, LLC

Job No.: 410-68062-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 03FORM22005003.009.d

Lab ID: LCS 410-212223/14-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Formaldehyde	497	420	85	77-122	

```
# Column to be used to flag recovery and RPD values
```

FORM III 8315A

FORM III

Lab Name: Eurofins Lancaster Laboratories
Env, LLC

Job No.: 410-68062-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 03FORM22005003.010.d

Lab ID: LCSD 410-212223/15-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Formaldehyde	497	425	86	1	30	77-122	

```
# Column to be used to flag recovery and RPD values
```

FORM III 8315A

FORM IV
HPLC/IC METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories
Env, LLC

Job No.: 410-68062-1

SDG No.:

Lab File ID: 03FORM22005003.008.d

Lab Sample ID: MB 410-212223/13-A

Matrix: Water

Date Extracted: 01/06/2022 10:04

Instrument ID: 11000

Date Analyzed: 01/06/2022 17:55

Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 410-212223/14-A	03FORM22005 003.009.d	01/06/2022 18:05
	LCSD 410-212223/15-A	03FORM22005 003.010.d	01/06/2022 18:16
Low Range VOC PT Lot# 122121	410-68062-1	03FORM22005 003.011.d	01/06/2022 18:27
Low Range VOC PT Lot# 122121 DU	410-68062-1 DU	03FORM22005 003.012.d	01/06/2022 18:38

FORM VIII
HPLC/IC ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
 SDG No.: _____
 Sample No.: ICRT 410-212058/5 Date Analyzed: 01/05/2022 05:43
 Instrument ID: 11000 GC Column: Supelcosil ID: 4.6 (mm)
 Lab File ID (Standard): 03FORM22005001.005. Heated Purge: (Y/N) N
 Calibration ID: 34516

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSS IS GIVEN BELOW:

				BTRA		
				RT #		
INITIAL CALIBRATION SURROGATE				6.46		
UPPER LIMIT				6.56		
LOWER LIMIT				6.36		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 410-212058/5		01/05/2022 05:43	03FORM22005001.005.d	6.46		
ICV 410-212058/10		01/05/2022 06:37	03FORM22005001.010.d	6.46		
CCV 410-212475/3		01/06/2022 17:01	03FORM22005003.003.d	6.43		
MB 410-212223/13-A		01/06/2022 17:55	03FORM22005003.008.d	6.43		
LCS 410-212223/14-A		01/06/2022 18:05	03FORM22005003.009.d	6.44		
LCSD 410-212223/15-A		01/06/2022 18:16	03FORM22005003.010.d	6.44		
410-68062-1	Low Range VOC PT Lot# 122121	01/06/2022 18:27	03FORM22005003.011.d	6.44		
410-68062-1 DU	Low Range VOC PT Lot# 122121 DU	01/06/2022 18:38	03FORM22005003.012.d	6.44		
CCV 410-212475/13		01/06/2022 18:48	03FORM22005003.013.d	6.44		

BTRA = Butyraldehyde

BTRA RT Limit = $\pm$ 0.1 minutes of surrogate RT

Column used to flag values outside QC limits

FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
SDG No.: _____
Client Sample ID: Low Range VOC PT Lot# Lab Sample ID: 410-68062-1
122121
Matrix: Water Lab File ID: 03FORM22005003.011.d
Analysis Method: 8315A Date Collected: 01/06/2022 10:00
Extraction Method: 8315A Prep Date Extracted: 01/06/2022 10:04
Sample wt/vol: 100 (mL) Date Analyzed: 01/06/2022 18:27
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 20 (uL) GC Column: Supelcosil ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 212475 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	ND		60	27

CAS NO.	SURROGATE	%REC	Q	LIMITS
123-72-8	Butyraldehyde	101		39-153

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\03FORM22005003.011.d
Lims ID: 410-68062-A-1-A
Client ID: Low Range VOC PT Lot# 122121
Sample Type: Client
Inject. Date: 06-Jan-2022 18:27:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 20.0 ul Dil. Factor: 1.0000
Sample Info: 410-68062-A-1-A
Operator ID: 24470 Instrument ID: 11000
Method: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\8315A_11000.m
Limit Group: LC - 8315A
Last Update: 06-Jan-2022 19:40:17 Calib Date: 05-Jan-2022 06:05:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.007.d
Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
Process Host: CTX1637

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/ml	Flags

1 Formaldehyde

2.718 2.718 0.000 34895879H 0.1828

\$ 3 Butyraldehyde

6.439 6.459 -0.020 222439243H 8.08

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\03FORM22005003.011.d

Injection Date: 06-Jan-2022 18:27:00

Instrument ID: 11000

Lims ID: 410-68062-A-1-A

Lab Sample ID: 410-68062-1

Client ID: Low Range VOC PT Lot# 122121

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 11

Injection Vol: 20.0 ul

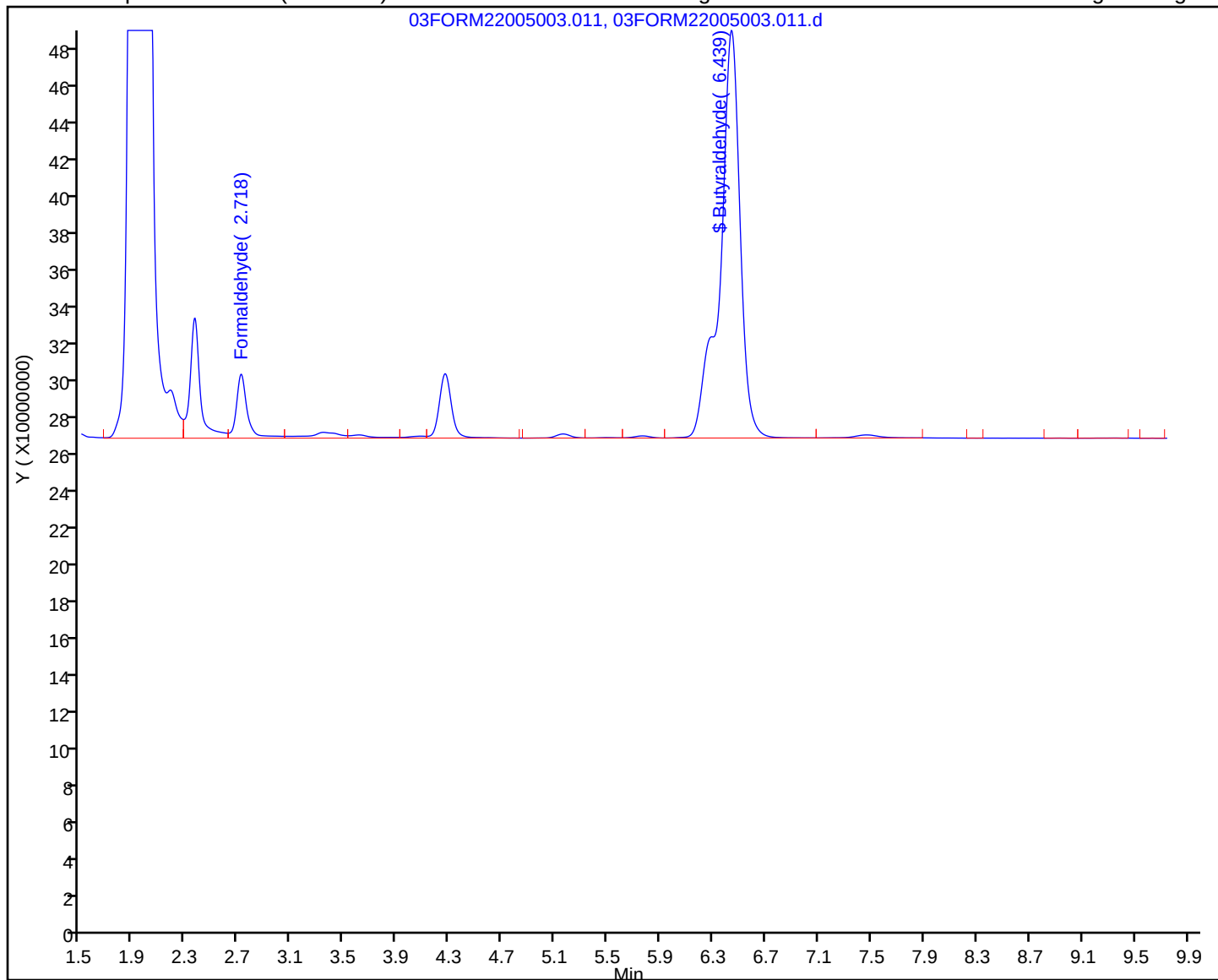
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VI
HPLC/IC BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 212058

SDG No.: _____

Instrument ID: 11000 GC Column: Supelcosil ID: 4.6 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/05/2022 05:22 Calibration End Date: 01/05/2022 06:05 Calibration ID: 34516

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-212058/3	03FORM22005001.003.d
Level 2	IC 410-212058/4	03FORM22005001.004.d
Level 3	ICRT 410-212058/5	03FORM22005001.005.d
Level 4	IC 410-212058/6	03FORM22005001.006.d
Level 5	IC 410-212058/7	03FORM22005001.007.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5						RT WINDOW	AVG RT
Formaldehyde	2.722	2.718	2.718	2.722	2.726						2.472 - 2.972	2.721
Acetaldehyde	3.342	3.342	3.338	3.342	3.346						3.092 - 3.592	3.342
Glutaraldehyde	9.377	9.381	9.373	9.381	9.389						9.127 - 9.627	9.380
Butyraldehyde	6.467	6.467	6.459	6.467	6.471						6.217 - 6.717	6.466

FORM VI
HPLC/IC BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 212058

SDG No.: _____

Instrument ID: 11000 GC Column: Supelcosil ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/05/2022 05:22 Calibration End Date: 01/05/2022 06:05 Calibration ID: 34516

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-212058/3	03FORM22005001.003.d
Level 2	IC 410-212058/4	03FORM22005001.004.d
Level 3	ICRT 410-212058/5	03FORM22005001.005.d
Level 4	IC 410-212058/6	03FORM22005001.006.d
Level 5	IC 410-212058/7	03FORM22005001.007.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2	LVL 3	LVL 4		B	M1	M2								
Formaldehyde	205272713 175951647	193798160	192946589	186511480	Ave		190896118				5.6		20.0			
Acetaldehyde	77881417 93514966	79598500	79353502	91236049	Ave		84316886. 7				8.8		20.0			
Glutaraldehyde	23285818 26579423	26439338	27119858	30956245	Ave		26876136. 4				10.2		20.0			
Butyraldehyde	26497461 29419568	27058446	26278541	28334021	Ave		27517607. 5				4.8		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HPLC/IC BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-68062-1 Analy Batch No.: 212058

SDG No.: _____

Instrument ID: 11000 GC Column: Supelcosil ID: 4.6(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/05/2022 05:22 Calibration End Date: 01/05/2022 06:05 Calibration ID: 34516

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-212058/3	03FORM22005001.003.d
Level 2	IC 410-212058/4	03FORM22005001.004.d
Level 3	ICRT 410-212058/5	03FORM22005001.005.d
Level 4	IC 410-212058/6	03FORM22005001.006.d
Level 5	IC 410-212058/7	03FORM22005001.007.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Formaldehyde	Ave	103046902	194573353	387436750	112354515 6	176655453 8	0.502	1.00	2.01	6.02	10.0
Acetaldehyde	Ave	39135412	79996492	159500539	550153373	945436311	0.503	1.01	2.01	6.03	10.1
Glutaraldehyde	Ave	11631266	26412899	54185476	185551734	265528431	0.500	0.999	2.00	5.99	9.99
Butyraldehyde	Ave	26495765	54113428	105107438	339986497	588353707	1.000	2.00	4.00	12.0	20.0

Curve Type Legend

Ave = Average by Height

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.003.d
 Lims ID: ic form1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 05-Jan-2022 05:22:00 ALS Bottle#: 0 Worklist Smp#: 3
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC form1
 Operator ID: 492 Instrument ID: 11000
 Sublist: chrom-8315A_11000*sub1
 Method: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 05-Jan-2022 16:42:06 Calib Date: 05-Jan-2022 06:05:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1660

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.722	2.722	0.000	103046902H	0.5020	0.5398	
2 Acetaldehyde						
3.342	3.342	0.000	39135412H	0.5025	0.4641	
\$ 3 Butyraldehyde						
6.467	6.467	0.000	26495765H	1.00	0.9629	
4 Glutaraldehyde						
9.377	9.377	0.000	11631266H	0.4995	0.4328	

Reagents:

GCS_FRMLV1_00221 Amount Added: 1.00 Units: mL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.003.d

Injection Date: 05-Jan-2022 05:22:00

Instrument ID: 11000

Lims ID: ic form1

Client ID:

Operator ID: 492

ALS Bottle#: 0

Worklist Smp#: 3

Injection Vol: 20.0 ul

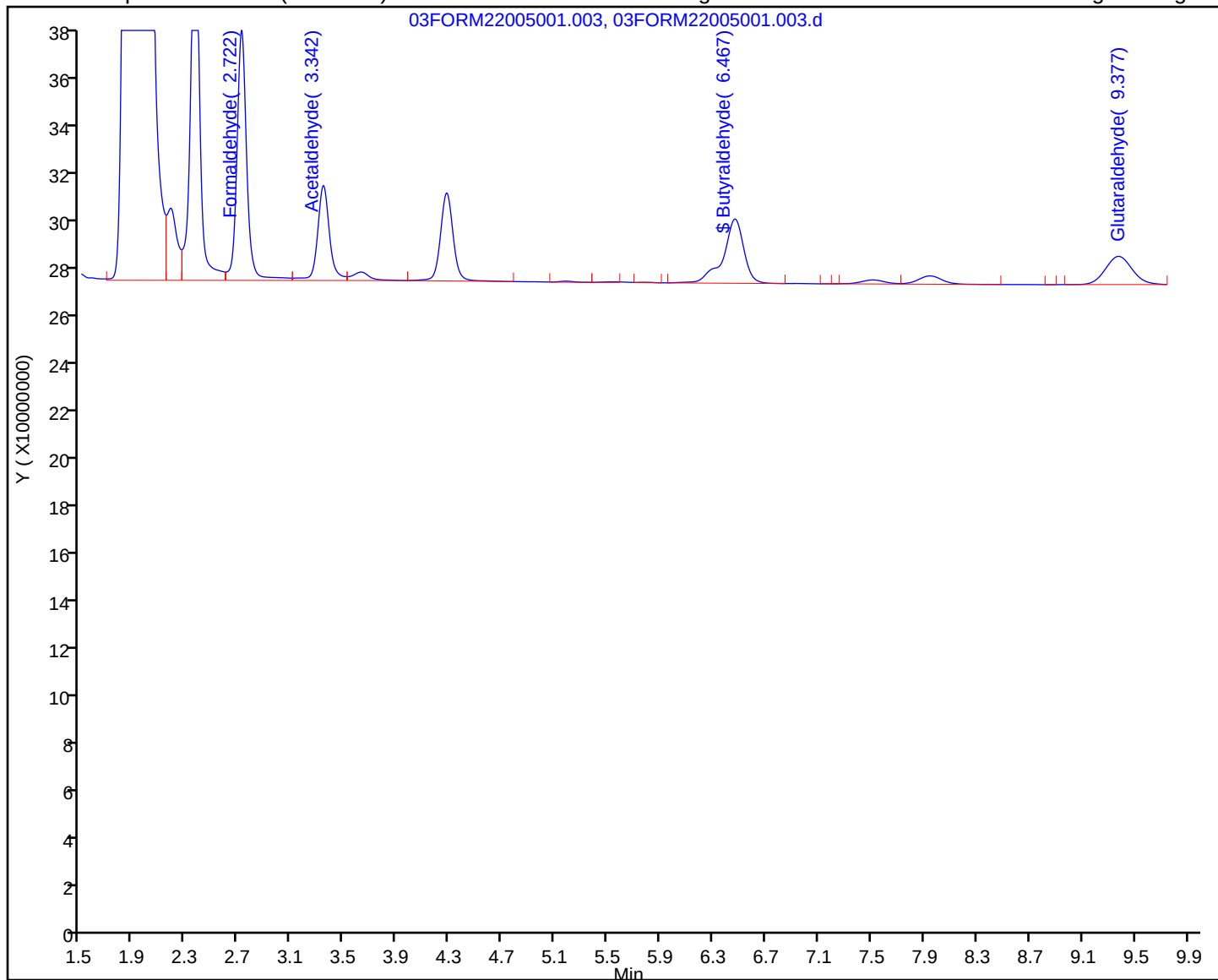
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.004.d
 Lims ID: ic form2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 05-Jan-2022 05:32:00 ALS Bottle#: 0 Worklist Smp#: 4
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC form2
 Operator ID: 492 Instrument ID: 11000
 Sublist: chrom-8315A_11000*sub1
 Method: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 05-Jan-2022 16:42:07 Calib Date: 05-Jan-2022 06:05:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1660

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.718	2.722	-0.004	194573353H	1.00	1.02	
2 Acetaldehyde						
3.342	3.342	0.000	79996492H	1.01	0.9488	
\$ 3 Butyraldehyde						
6.467	6.467	0.000	54113428H	2.00	1.97	
4 Glutaraldehyde						
9.381	9.377	0.004	26412899H	1.00	0.9828	

Reagents:

GCS_FRMLV2_00221 Amount Added: 1.00 Units: mL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.004.d

Injection Date: 05-Jan-2022 05:32:00

Instrument ID: 11000

Lims ID: ic form2

Client ID:

Operator ID: 492

ALS Bottle#: 0

Worklist Smp#: 4

Injection Vol: 20.0 ul

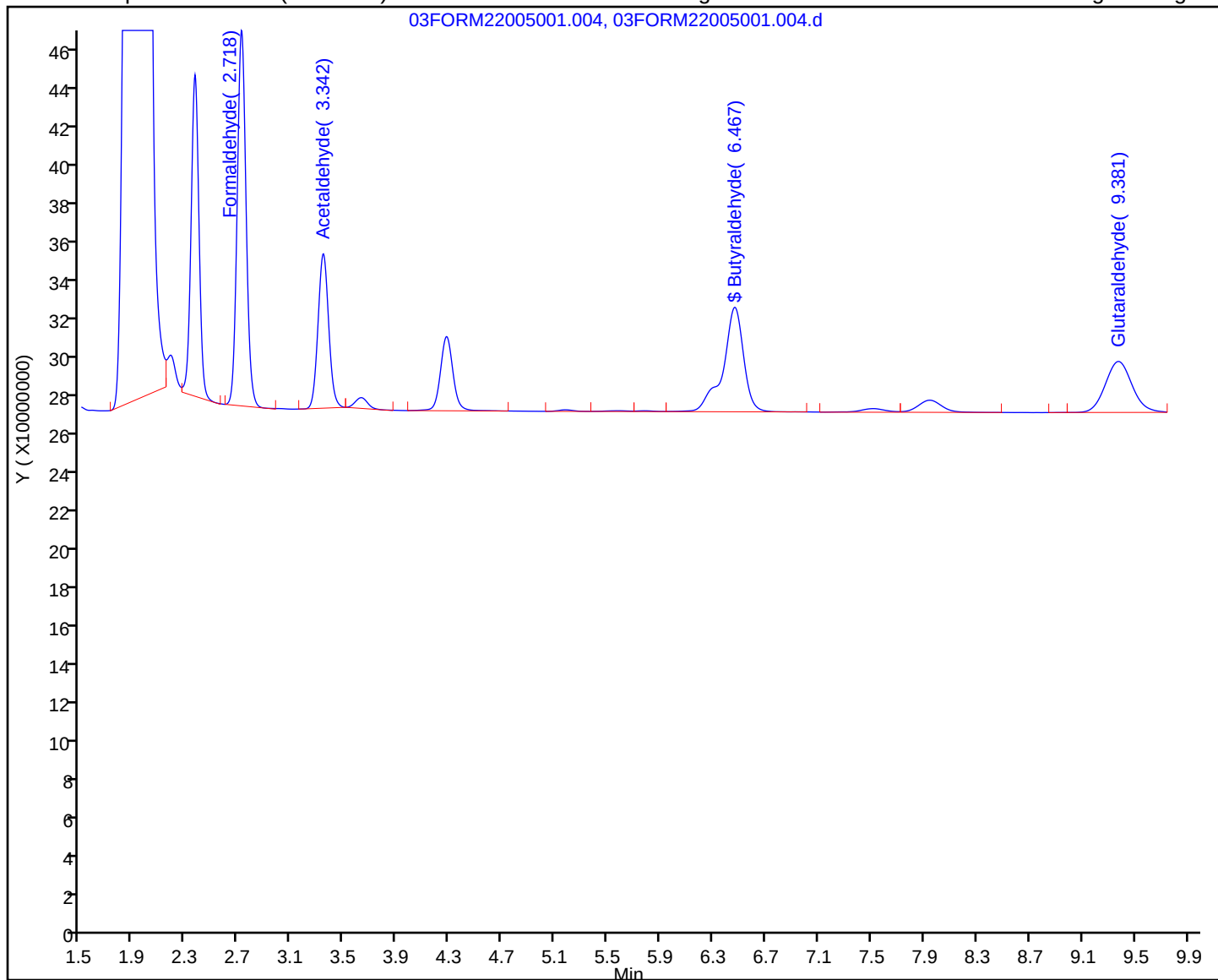
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.005.d
 Lims ID: icRT form3
 Client ID:
 Sample Type: ICRT Calib Level: 3
 Inject. Date: 05-Jan-2022 05:43:00 ALS Bottle#: 0 Worklist Smp#: 5
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: ICRT form3
 Operator ID: 492 Instrument ID: 11000
 Sublist: chrom-8315A_11000*sub1
 Method: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 05-Jan-2022 16:42:08 Calib Date: 05-Jan-2022 06:05:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1660

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.718	2.718	0.000	387436750H	2.01	2.03	
2 Acetaldehyde						
3.338	3.338	0.000	159500539H	2.01	1.89	
\$ 3 Butyraldehyde						
6.459	6.459	0.000	105107438H	4.00	3.82	
4 Glutaraldehyde						
9.373	9.373	0.000	54185476H	2.00	2.02	

Reagents:

GCS_FRMLV3_00228 Amount Added: 1.00 Units: mL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.005.d

Injection Date: 05-Jan-2022 05:43:00

Instrument ID: 11000

Lims ID: icRT form3

Client ID:

Operator ID: 492

ALS Bottle#: 0

Worklist Smp#: 5

Injection Vol: 20.0 ul

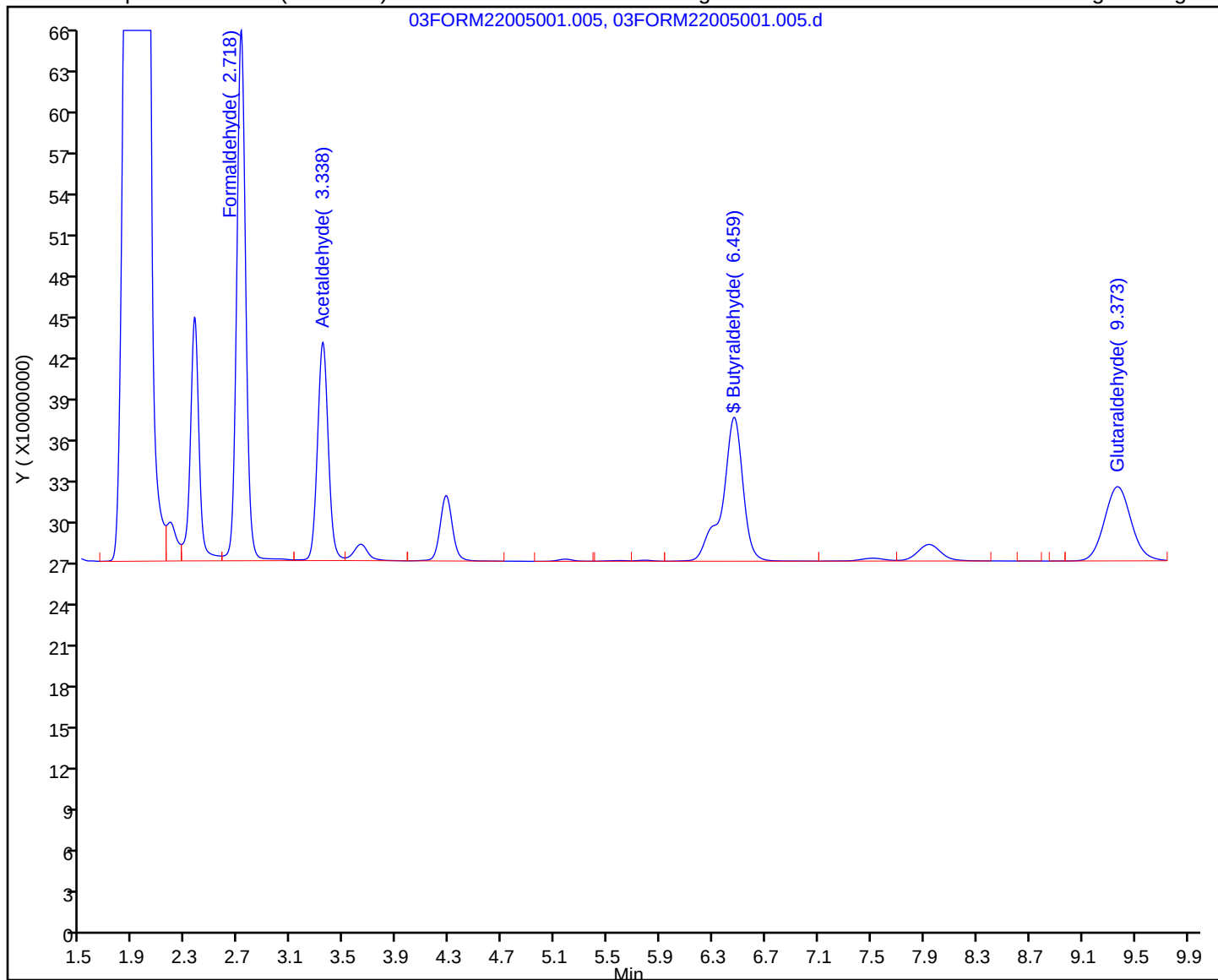
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.006.d
 Lims ID: ic form4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 05-Jan-2022 05:54:00 ALS Bottle#: 0 Worklist Smp#: 6
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC form4
 Operator ID: 492 Instrument ID: 11000
 Sublist: chrom-8315A_11000*sub1
 Method: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 05-Jan-2022 16:42:08 Calib Date: 05-Jan-2022 06:05:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1660

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.722	2.718	0.004	1123545156H	6.02	5.89	
2 Acetaldehyde						
3.342	3.338	0.004	550153373H	6.03	6.52	
\$ 3 Butyraldehyde						
6.467	6.459	0.008	339986497H	12.0	12.4	
4 Glutaraldehyde						
9.381	9.373	0.008	185551734H	5.99	6.90	

Reagents:

GCS_FRMLV4_00221 Amount Added: 1.00 Units: mL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.006.d

Injection Date: 05-Jan-2022 05:54:00

Instrument ID: 11000

Lims ID: ic form4

Client ID:

Operator ID: 492

ALS Bottle#: 0

Worklist Smp#: 6

Injection Vol: 20.0 ul

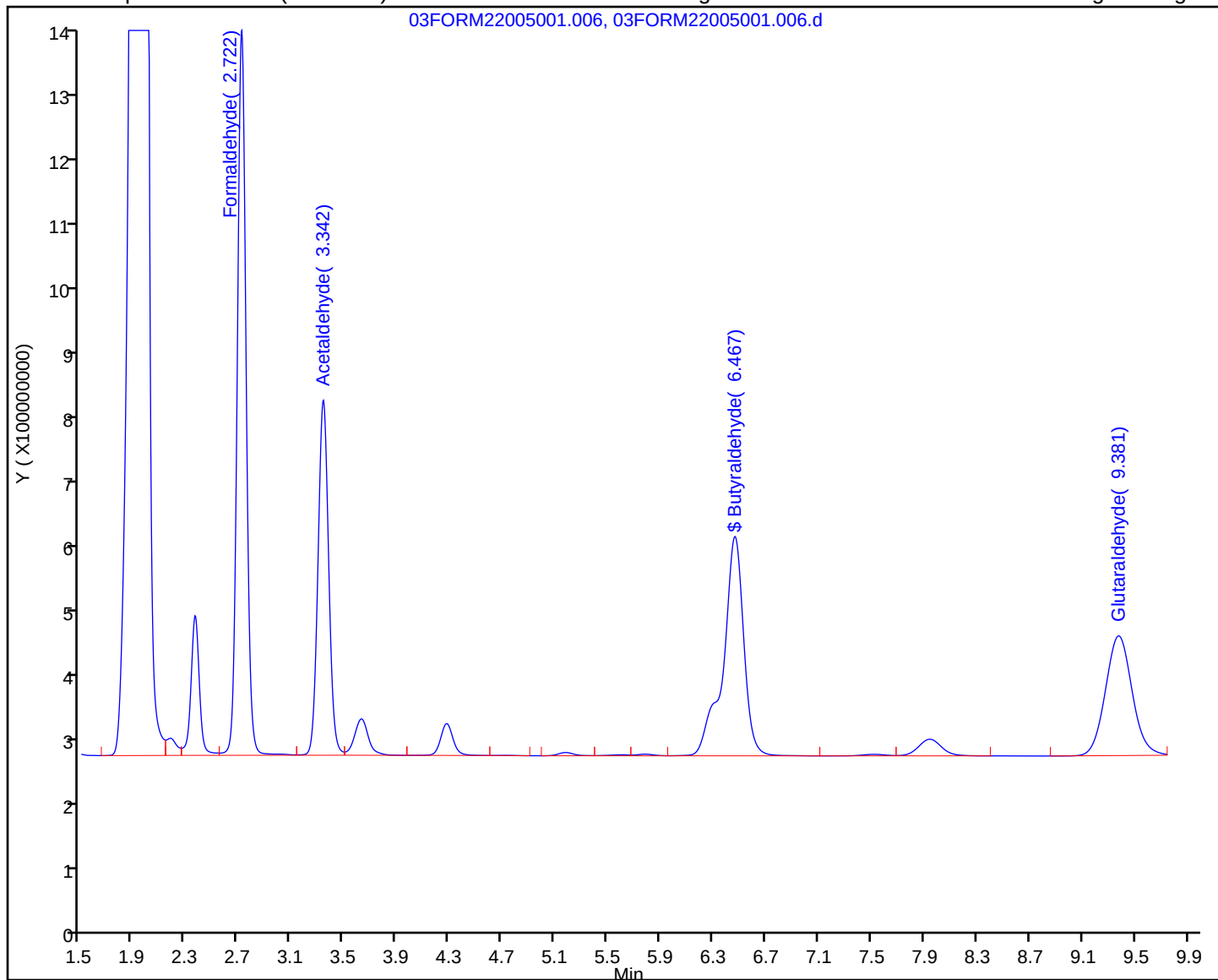
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.007.d
 Lims ID: ic form5
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 05-Jan-2022 06:05:00 ALS Bottle#: 0 Worklist Smp#: 7
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: IC form5
 Operator ID: 492 Instrument ID: 11000
 Sublist: chrom-8315A_11000*sub1
 Method: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 05-Jan-2022 16:42:09 Calib Date: 05-Jan-2022 06:05:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1660

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.726	2.718	0.008	1766554538H	10.0	9.25	
2 Acetaldehyde						
3.346	3.338	0.008	945436311H	10.1	11.2	
\$ 3 Butyraldehyde						
6.471	6.459	0.012	588353707H	20.0	21.4	
4 Glutaraldehyde						
9.389	9.373	0.016	265528431H	10.0	9.88	

Reagents:

GCS_FRMLV5_00221

Amount Added: 1.00

Units: mL

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.007.d

Injection Date: 05-Jan-2022 06:05:00

Instrument ID: 11000

Lims ID: ic form5

Client ID:

Operator ID: 492

ALS Bottle#: 0

Worklist Smp#: 7

Injection Vol: 20.0 ul

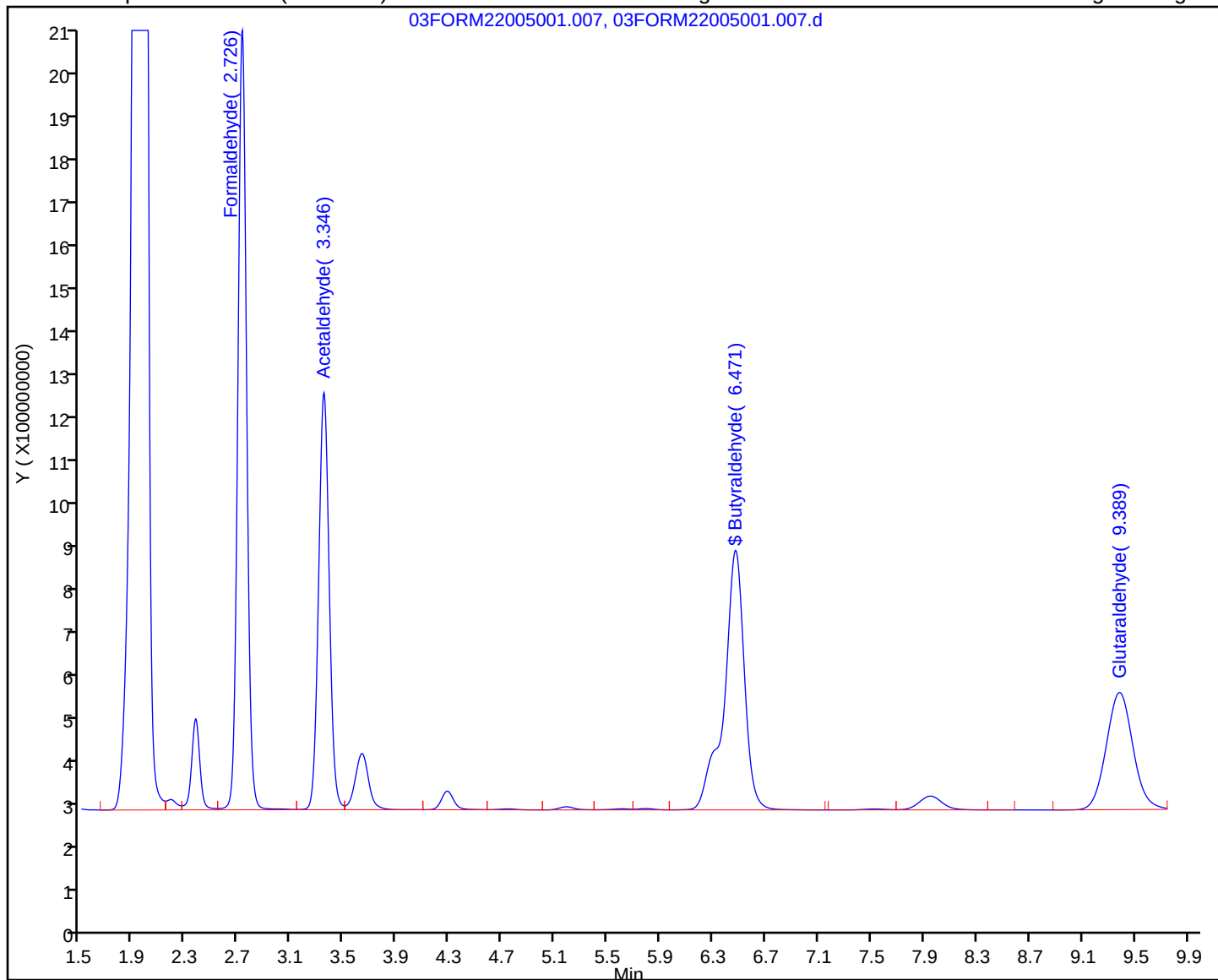
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Calibration

/ Formaldehyde

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ESTD
Response Base: HEIGHT
RF Rounding: 0

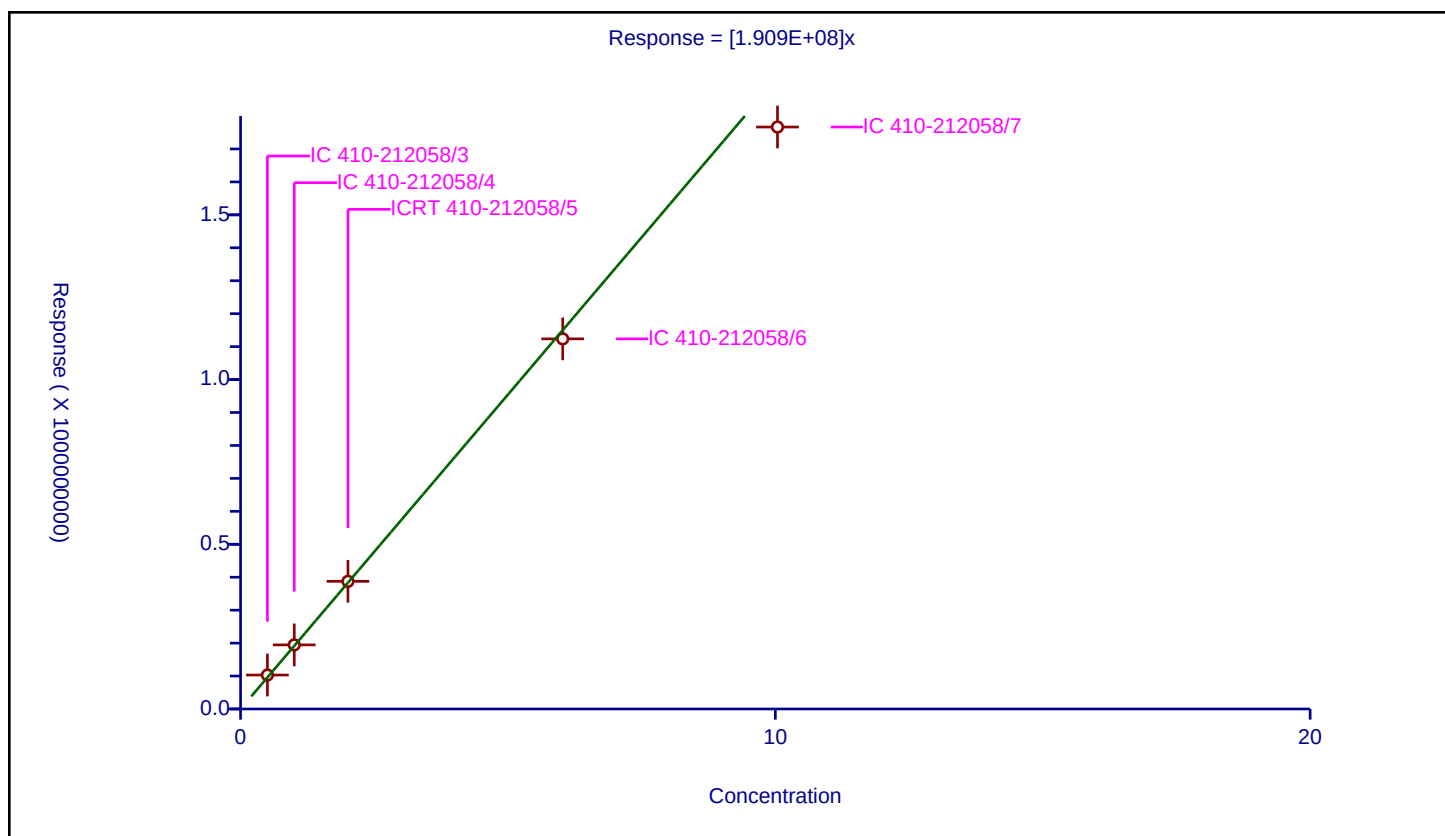
Curve Coefficients

Intercept: 0
Slope: 1.909E+08

Error Coefficients

Standard Error: 76300000
Relative Standard Error: 5.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-212058/3	0.502	103046902.0			205272713.14741	Y
2	IC 410-212058/4	1.004	194573353.0			193798160.358566	Y
3	ICRT 410-212058/5	2.008	387436750.0			192946588.645418	Y
4	IC 410-212058/6	6.024	1123545156.0			186511480.079681	Y
5	IC 410-212058/7	10.04	1766554538.0			175951647.211155	Y



Calibration

/ Acetaldehyde

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: HEIGHT
 RF Rounding: 0

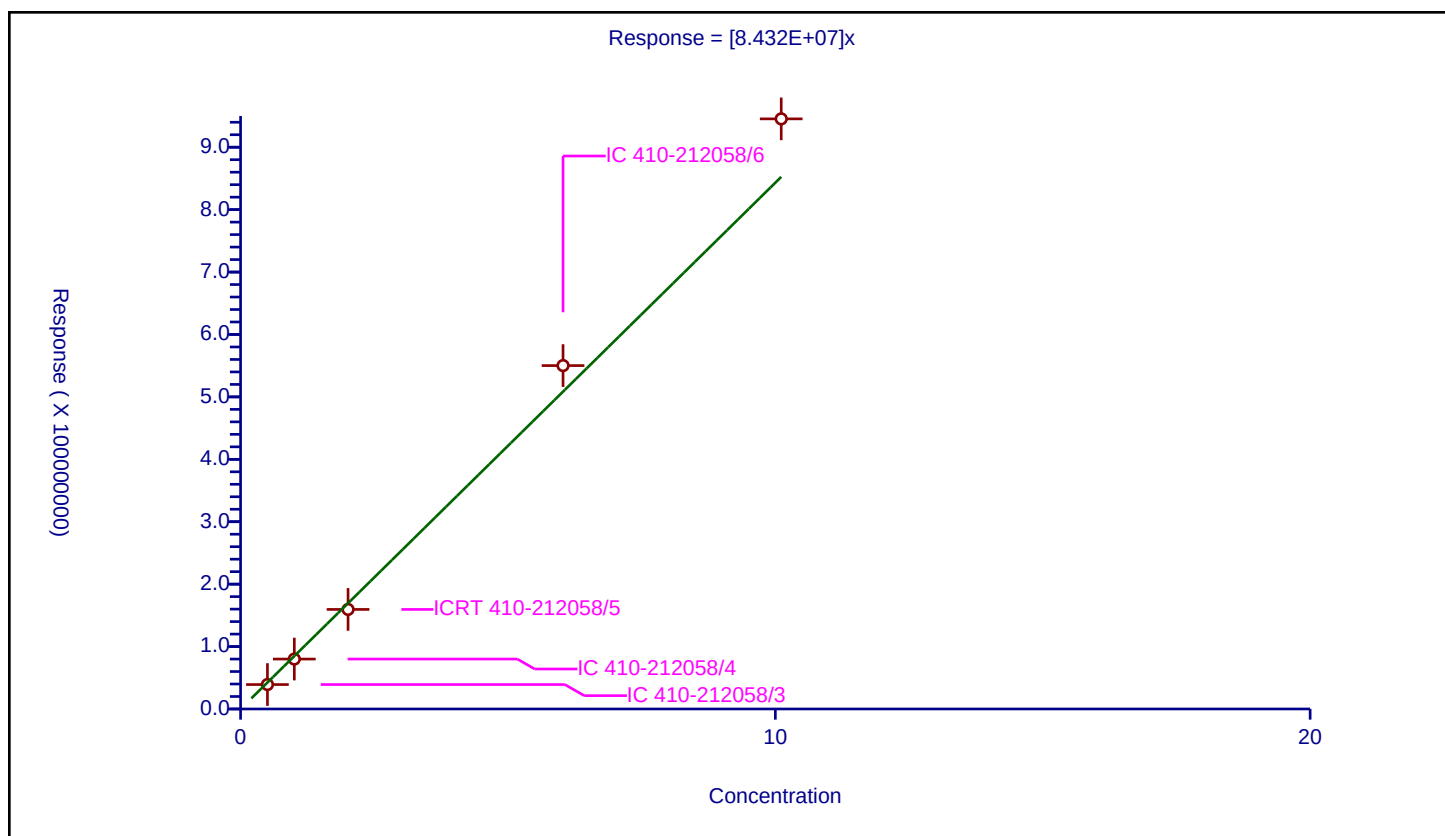
Curve Coefficients

Intercept: 0
 Slope: 8.432E+07

Error Coefficients

Standard Error: 51300000
 Relative Standard Error: 8.8
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-212058/3	0.5025	39135412.0			77881416.915423	Y
2	IC 410-212058/4	1.005	79996492.0			79598499.502488	Y
3	ICRT 410-212058/5	2.01	159500539.0			79353501.99005	Y
4	IC 410-212058/6	6.03	550153373.0			91236048.590381	Y
5	IC 410-212058/7	10.11	945436311.0			93514966.468843	Y



Calibration

/ Butyraldehyde

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: HEIGHT
 RF Rounding: 0

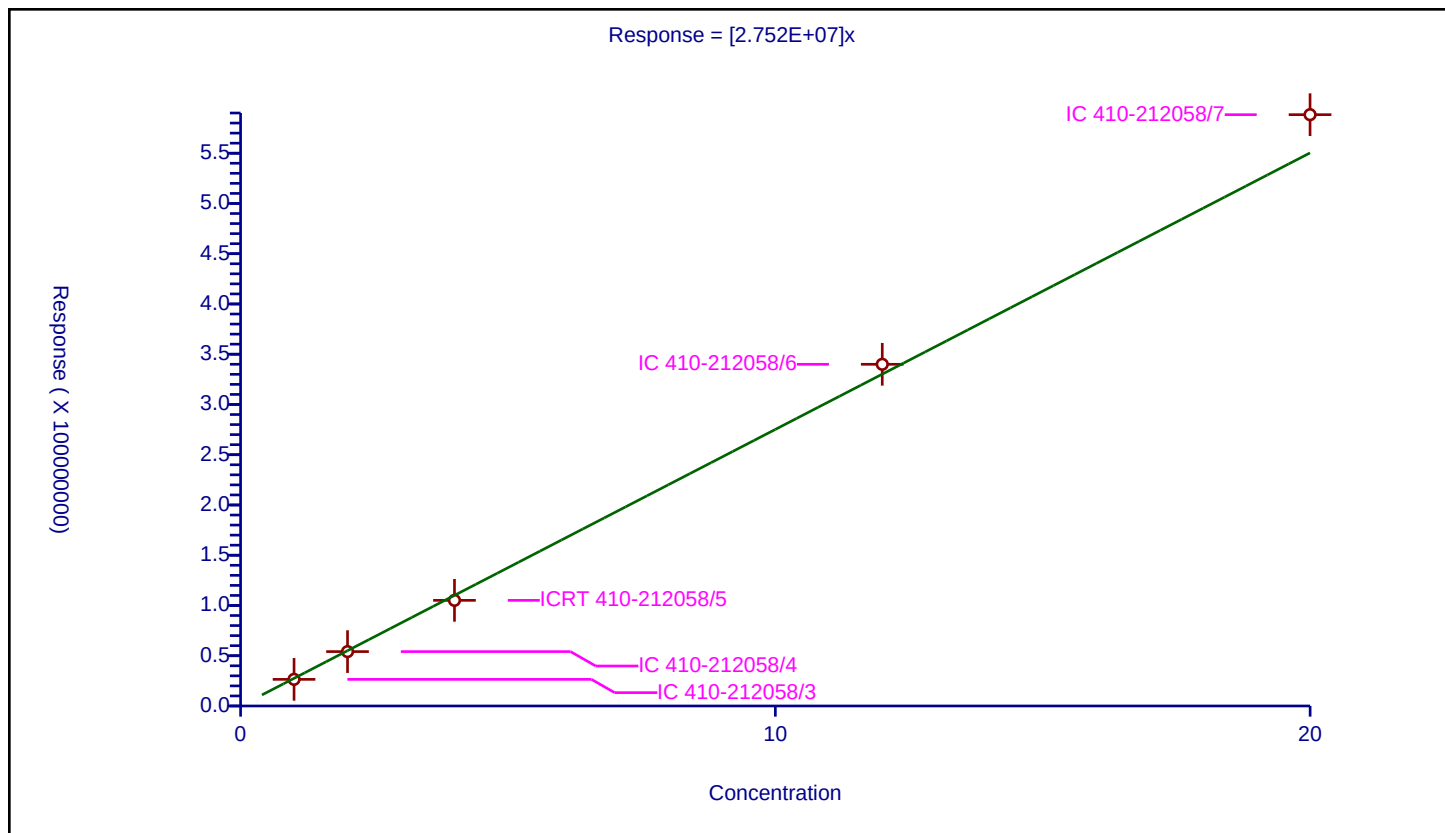
Curve Coefficients

Intercept: 0
 Slope: 2.752E+07

Error Coefficients

Standard Error: 19800000
 Relative Standard Error: 4.8
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-212058/3	0.999936	26495765.0			26497460.837494	Y
2	IC 410-212058/4	1.999872	54113428.0			27058445.740527	Y
3	ICRT 410-212058/5	3.999744	105107438.0			26278541.326645	Y
4	IC 410-212058/6	11.999232	339986497.0			28334021.460707	Y
5	IC 410-212058/7	19.99872	588353707.0			29419568.202365	Y



Calibration

/ Glutaraldehyde

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ESTD
 Response Base: HEIGHT
 RF Rounding: 0

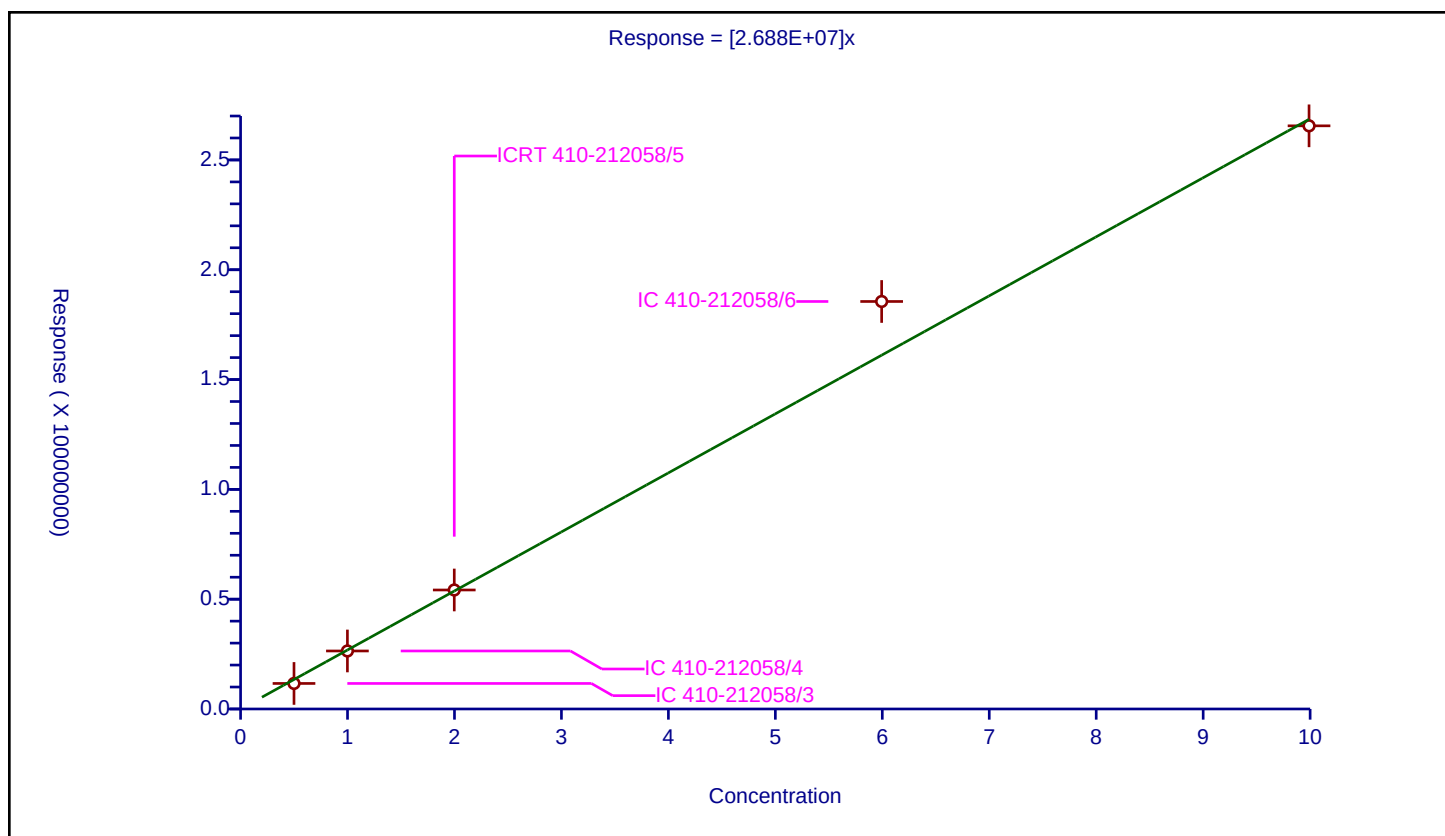
Curve Coefficients

Intercept: 0
 Slope: 2.688E+07

Error Coefficients

Standard Error: 12400000
 Relative Standard Error: 10.2
 Correlation Coefficient: 0.990
 Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-212058/3	0.4995	11631266.0			23285817.817818	Y
2	IC 410-212058/4	0.999	26412899.0			26439338.338338	Y
3	ICRT 410-212058/5	1.998	54185476.0			27119857.857858	Y
4	IC 410-212058/6	5.994	185551734.0			30956245.245245	Y
5	IC 410-212058/7	9.99	265528431.0			26579422.522523	Y



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: ICV 410-212058/10 Calibration Date: 01/05/2022 06:37
Instrument ID: 11000 Calib Start Date: 01/05/2022 05:22
GC Column: Supelcosil ID: 4.60 (mm) Calib End Date: 01/05/2022 06:05
Lab File ID: 03FORM22005001.010.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Ave	190896118	202169098		2.11	1.99	5.9	15.0
Acetaldehyde	Ave	84316887	93027754		2.22	2.01	10.3	15.0
Glutaraldehyde	Ave	26876136	28407370		2.11	2.00	5.7	15.0
Butyraldehyde	Ave	27517608	29682627		4.31	4.00	7.9	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: ICV 410-212058/10 Calibration Date: 01/05/2022 06:37
Instrument ID: 11000 Calib Start Date: 01/05/2022 05:22
GC Column: Supelcosil ID: 4.60 (mm) Calib End Date: 01/05/2022 06:05
Lab File ID: 03FORM22005001.010.d

Analyte	RT	RT WINDOW	
		FROM	TO
Formaldehyde	2.72	2.47	2.97
Acetaldehyde	3.34	3.09	3.59
Glutaraldehyde	9.37	9.12	9.62
Butyraldehyde	6.46	6.21	6.71

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.010.d
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 05-Jan-2022 06:37:00 ALS Bottle#: 0 Worklist Smp#: 10
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: ICV
 Operator ID: 492 Instrument ID: 11000
 Sublist: chrom-8315A_11000*sub1
 Method: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 05-Jan-2022 16:42:22 Calib Date: 05-Jan-2022 06:05:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1660

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.722	2.718	0.004	401912166H	1.99	2.11	
2 Acetaldehyde						
3.342	3.338	0.004	186985786H	2.01	2.22	
\$ 3 Butyraldehyde						
6.463	6.459	0.004	118722911H	4.00	4.31	
4 Glutaraldehyde						
9.373	9.373	0.000	56757926H	2.00	2.11	

Reagents:

GCS_FRMICV_00220

Amount Added: 1.00

Units: mL

Report Date: 05-Jan-2022 16:48:07

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.010.d

Injection Date: 05-Jan-2022 06:37:00

Instrument ID: 11000

Lims ID: icv

Client ID:

Operator ID: 492

ALS Bottle#: 0

Worklist Smp#: 10

Injection Vol: 20.0 ul

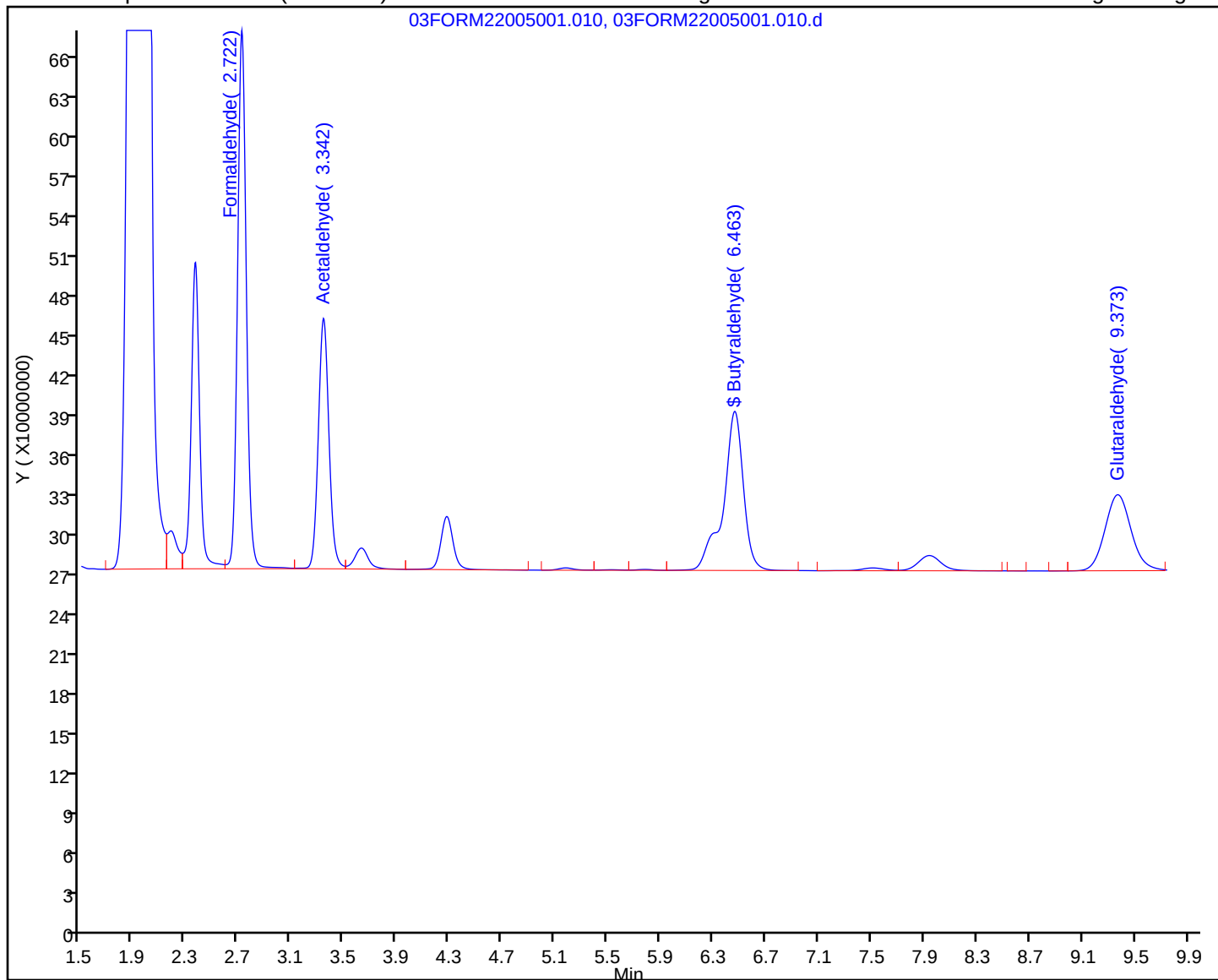
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: CCV 410-212475/3 Calibration Date: 01/06/2022 17:01
Instrument ID: 11000 Calib Start Date: 01/05/2022 05:22
GC Column: Supelcosil ID: 4.60 (mm) Calib End Date: 01/05/2022 06:05
Lab File ID: 03FORM22005003.003.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Ave	190896118	195856116		2.06	2.01	2.6	15.0
Acetaldehyde	Ave	84316887	80921549		1.93	2.01	-4.0	15.0
Glutaraldehyde	Ave	26876136	28091690		2.09	2.00	4.5	15.0
Butyraldehyde	Ave	27517608	27159459		3.95	4.00	-1.3	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: CCV 410-212475/3 Calibration Date: 01/06/2022 17:01
Instrument ID: 11000 Calib Start Date: 01/05/2022 05:22
GC Column: Supelcosil ID: 4.60 (mm) Calib End Date: 01/05/2022 06:05
Lab File ID: 03FORM22005003.003.d

Analyte	RT	RT WINDOW	
		FROM	TO
Formaldehyde	2.71	2.47	2.97
Acetaldehyde	3.33	3.09	3.59
Glutaraldehyde	9.31	9.12	9.62
Butyraldehyde	6.43	6.21	6.71

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\03FORM22005003.003.d
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 06-Jan-2022 17:01:00 ALS Bottle#: 0 Worklist Smp#: 3
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV
 Operator ID: 24470 Instrument ID: 11000
 Sublist: chrom-8315A_11000*sub1
 Method: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 06-Jan-2022 19:40:17 Calib Date: 05-Jan-2022 06:05:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1637

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.714	2.718	-0.004	393279080H	2.01	2.06	
2 Acetaldehyde						
3.330	3.338	-0.008	162652314H	2.01	1.93	
\$ 3 Butyraldehyde						
6.431	6.459	-0.028	108630883H	4.00	3.95	
4 Glutaraldehyde						
9.309	9.373	-0.064	56127196H	2.00	2.09	

Reagents:

GCS_FRMLV3_00228 Amount Added: 1.00 Units: mL

Report Date: 06-Jan-2022 19:40:17

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\03FORM22005003.003.d

Injection Date: 06-Jan-2022 17:01:00

Instrument ID: 11000

Lims ID: ccv

Client ID:

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 3

Injection Vol: 20.0 ul

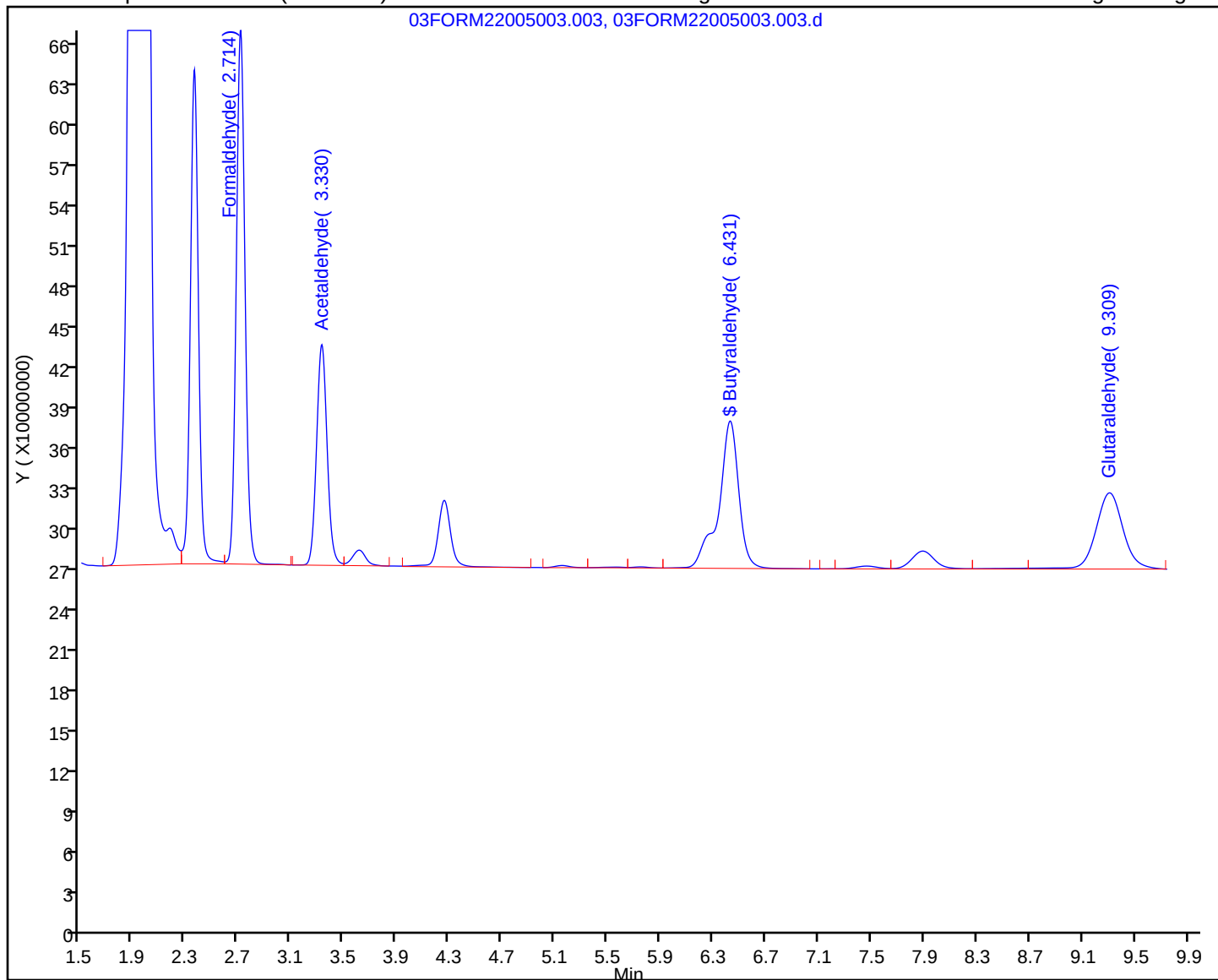
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
HPLC/IC CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
 SDG No.: _____
 Lab Sample ID: CCV 410-212475/13 Calibration Date: 01/06/2022 18:48
 Instrument ID: 11000 Calib Start Date: 01/05/2022 05:22
 GC Column: Supelcosil ID: 4.60 (mm) Calib End Date: 01/05/2022 06:05
 Lab File ID: 03FORM22005003.013.d Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Formaldehyde	Ave	190896118	196483202		2.07	2.01	2.9	15.0
Acetaldehyde	Ave	84316887	80909479		1.93	2.01	-4.0	15.0
Glutaraldehyde	Ave	26876136	27903929		2.07	2.00	3.8	15.0
Butyraldehyde	Ave	27517608	27151143		3.95	4.00	-1.3	15.0

FORM VII
HPLC/IC CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1
SDG No.: _____
Lab Sample ID: CCV 410-212475/13 Calibration Date: 01/06/2022 18:48
Instrument ID: 11000 Calib Start Date: 01/05/2022 05:22
GC Column: Supelcosil ID: 4.60 (mm) Calib End Date: 01/05/2022 06:05
Lab File ID: 03FORM22005003.013.d

Analyte	RT	RT WINDOW	
		FROM	TO
Formaldehyde	2.71	2.47	2.97
Acetaldehyde	3.33	3.09	3.59
Glutaraldehyde	9.32	9.12	9.62
Butyraldehyde	6.44	6.21	6.71

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\03FORM22005003.013.d
 Lims ID: ccv
 Client ID:
 Sample Type: CCV
 Inject. Date: 06-Jan-2022 18:48:00 ALS Bottle#: 0 Worklist Smp#: 13
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: CCV
 Operator ID: 24470 Instrument ID: 11000
 Sublist: chrom-8315A_11000*sub1
 Method: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 06-Jan-2022 19:40:19 Calib Date: 05-Jan-2022 06:05:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1637

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.714	2.718	-0.004	394538270H	2.01	2.07	
2 Acetaldehyde						
3.330	3.338	-0.008	162628053H	2.01	1.93	
\$ 3 Butyraldehyde						
6.435	6.459	-0.024	108597621H	4.00	3.95	
4 Glutaraldehyde						
9.321	9.373	-0.052	55752051H	2.00	2.07	

Reagents:

GCS_FRMLV3_00228

Amount Added: 1.00

Units: mL

Report Date: 06-Jan-2022 19:40:19

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\03FORM22005003.013.d

Injection Date: 06-Jan-2022 18:48:00

Instrument ID: 11000

Lims ID: ccv

Client ID:

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 13

Injection Vol: 20.0 ul

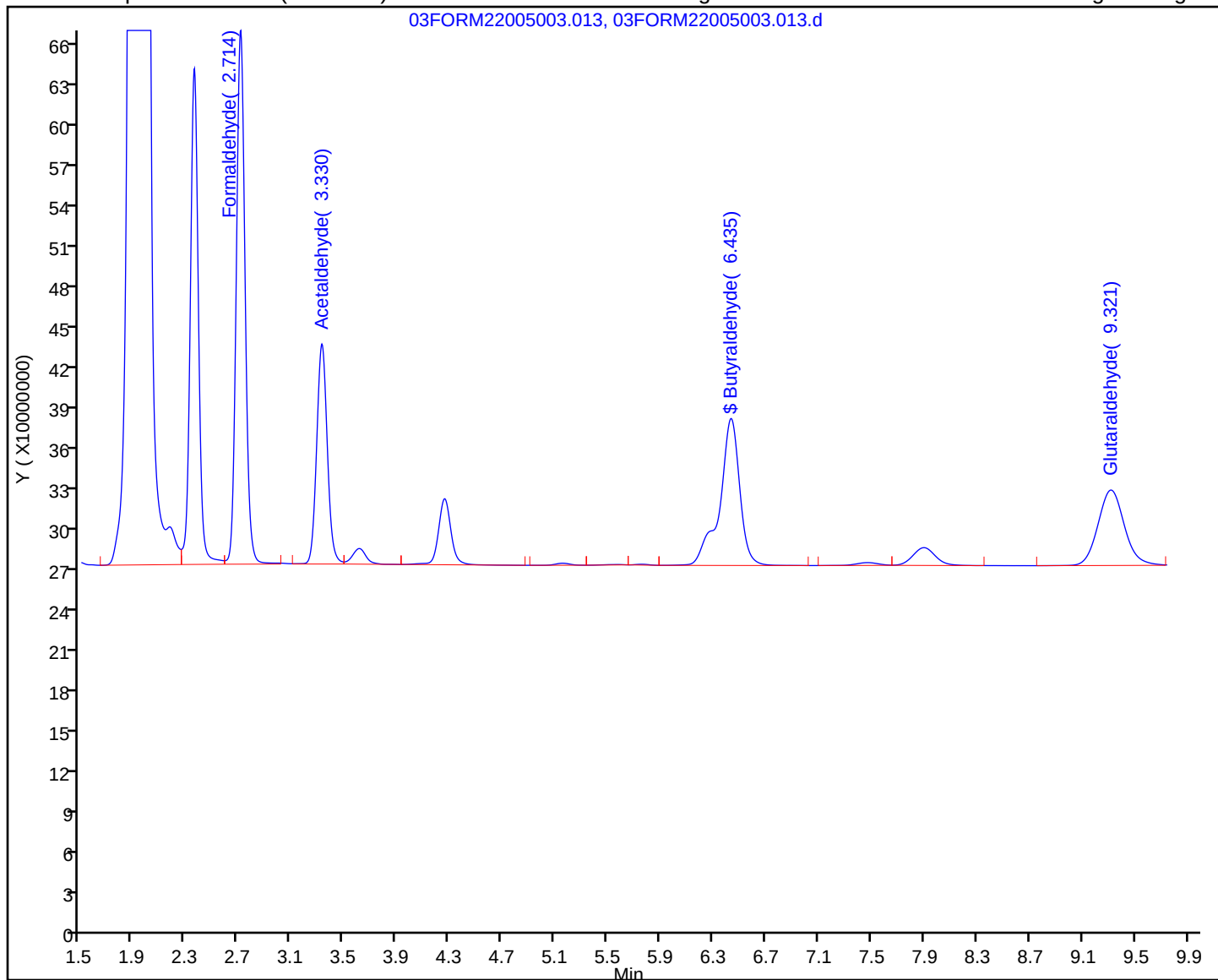
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 410-212223/13-A
Matrix: Water Lab File ID: 03FORM22005003.008.d
Analysis Method: 8315A Date Collected: _____
Extraction Method: 8315A Prep Date Extracted: 01/06/2022 10:04
Sample wt/vol: 100 (mL) Date Analyzed: 01/06/2022 17:55
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 20 (uL) GC Column: Supelcosil ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 212475 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	ND		60	27

CAS NO.	SURROGATE	%REC	Q	LIMITS
123-72-8	Butyraldehyde	72		39-153

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\03FORM22005003.008.d
 Lims ID: MB 410-212223/13-A
 Client ID:
 Sample Type: MB
 Inject. Date: 06-Jan-2022 17:55:00 ALS Bottle#: 0 Worklist Smp#: 8
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: MB 410-212223/13-A
 Operator ID: 24470 Instrument ID: 11000
 Method: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 06-Jan-2022 19:40:17 Calib Date: 05-Jan-2022 06:05:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1637

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.710	2.718	-0.008	15902013H		0.0833	
2 Acetaldehyde						
3.334	3.338	-0.004	2733951H		0.0324	
\$ 3 Butyraldehyde						
6.427	6.459	-0.032	159523650H	8.00	5.80	

Report Date: 06-Jan-2022 19:40:18

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\03FORM22005003.008.d

Injection Date: 06-Jan-2022 17:55:00

Instrument ID: 11000

Lims ID: MB 410-212223/13-A

Client ID:

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 8

Injection Vol: 20.0 ul

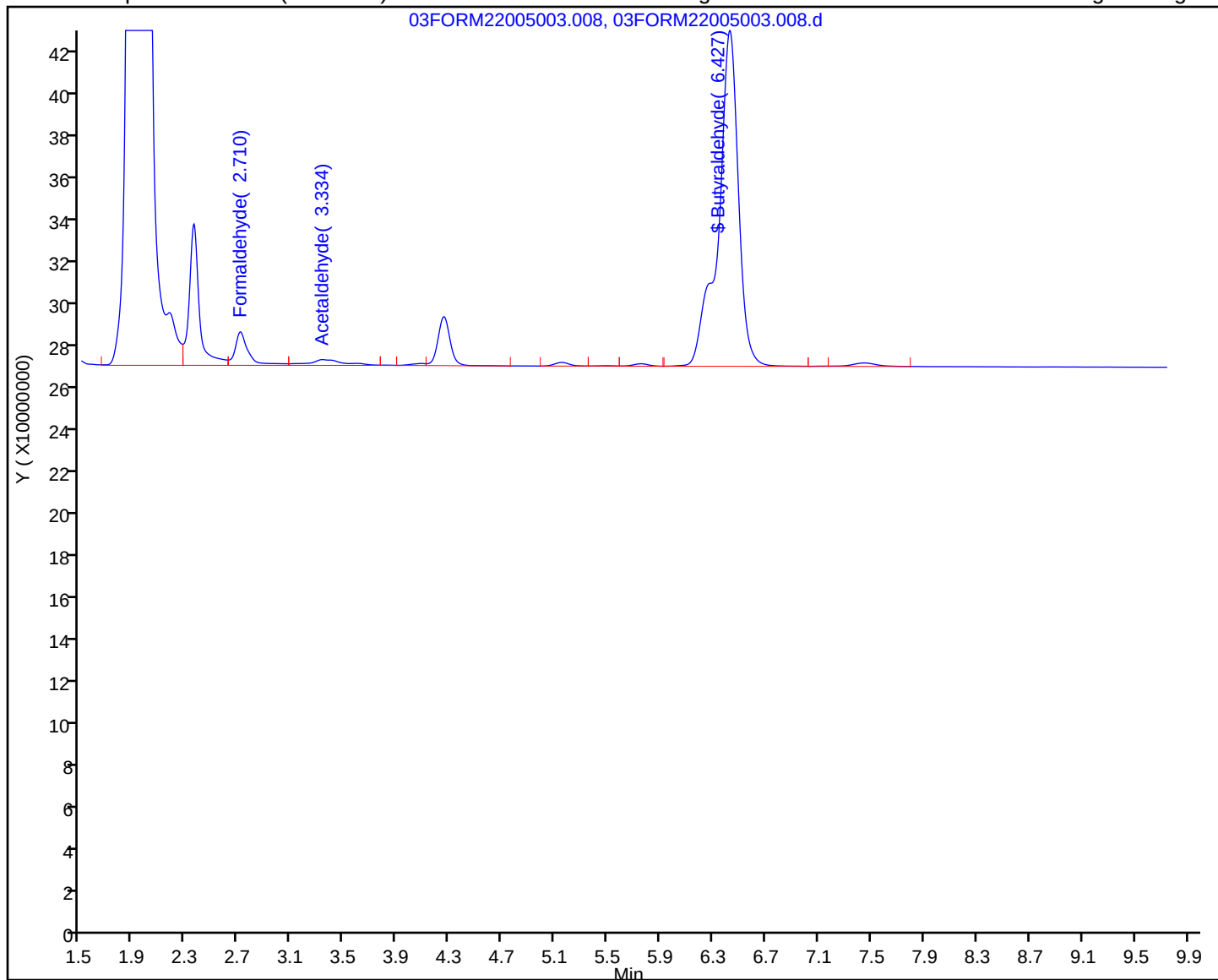
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 410-212223/14-A
Matrix: Water Lab File ID: 03FORM22005003.009.d
Analysis Method: 8315A Date Collected: _____
Extraction Method: 8315A Prep Date Extracted: 01/06/2022 10:04
Sample wt/vol: 100 (mL) Date Analyzed: 01/06/2022 18:05
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 20 (uL) GC Column: Supelcosil ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 212475 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	420		60	27

CAS NO.	SURROGATE	%REC	Q	LIMITS
123-72-8	Butyraldehyde	94		39-153

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\03FORM22005003.009.d
 Lims ID: LCS 410-212223/14-A
 Client ID:
 Sample Type: LCS
 Inject. Date: 06-Jan-2022 18:05:00 ALS Bottle#: 0 Worklist Smp#: 9
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: LCS 410-212223/14-A
 Operator ID: 24470 Instrument ID: 11000
 Method: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 06-Jan-2022 19:40:17 Calib Date: 05-Jan-2022 06:05:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1637

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.714	2.718	-0.004	802195202H	4.97	4.20	
2 Acetaldehyde						
3.334	3.338	-0.004	359572460H	5.03	4.26	
\$ 3 Butyraldehyde						
6.435	6.459	-0.024	207966536H	8.00	7.56	
4 Glutaraldehyde						
9.317	9.373	-0.056	147533161H	5.00	5.49	

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\03FORM22005003.009.d

Injection Date: 06-Jan-2022 18:05:00

Instrument ID: 11000

Lims ID: LCS 410-212223/14-A

Client ID:

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 9

Injection Vol: 20.0 ul

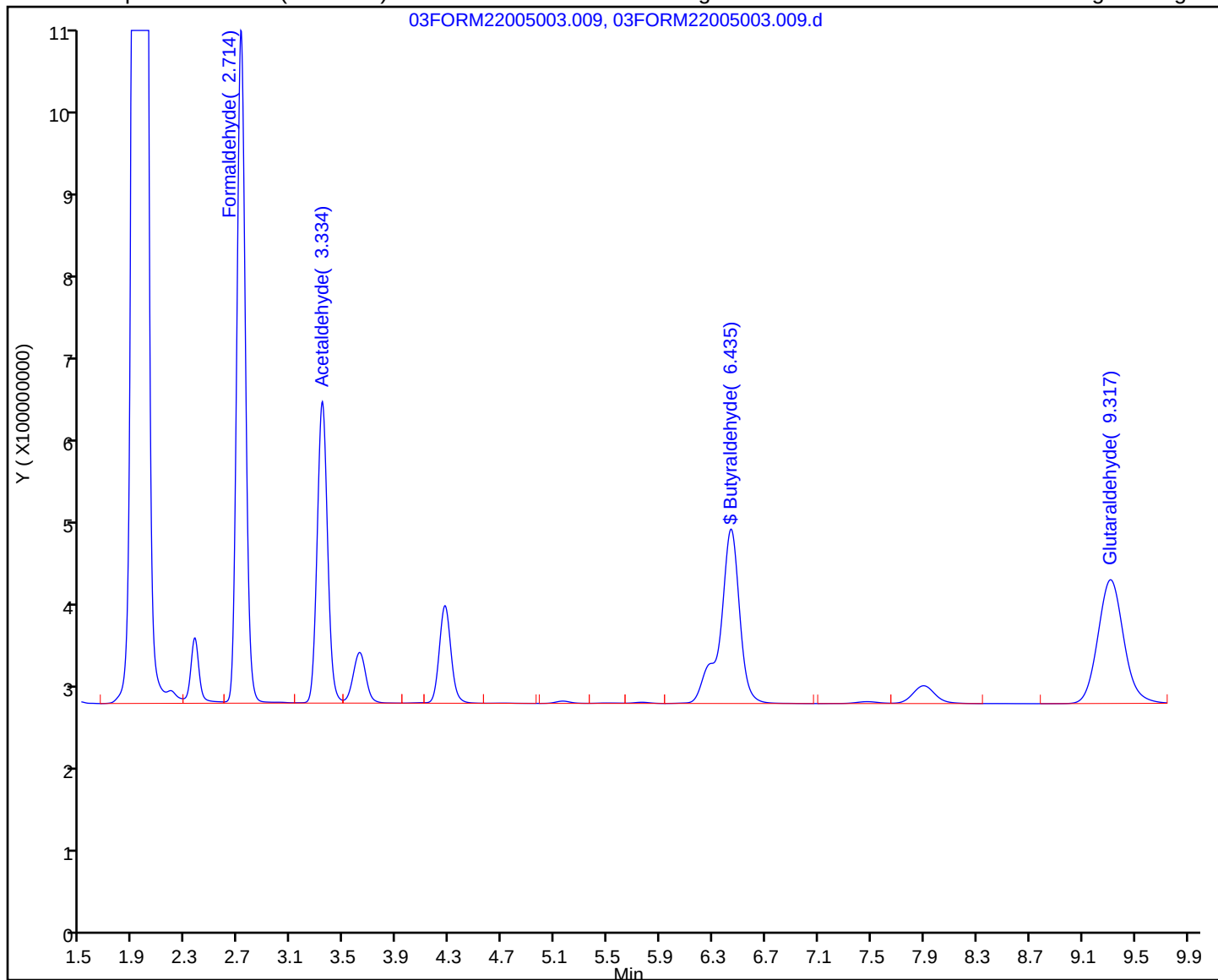
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCSD 410-212223/15-A
Matrix: Water Lab File ID: 03FORM22005003.010.d
Analysis Method: 8315A Date Collected: _____
Extraction Method: 8315A Prep Date Extracted: 01/06/2022 10:04
Sample wt/vol: 100 (mL) Date Analyzed: 01/06/2022 18:16
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 20 (uL) GC Column: Supelcosil ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 212475 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	425		60	27

CAS NO.	SURROGATE	%REC	Q	LIMITS
123-72-8	Butyraldehyde	93		39-153

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\03FORM22005003.010.d
 Lims ID: LCSD 410-212223/15-A
 Client ID:
 Sample Type: LCSD
 Inject. Date: 06-Jan-2022 18:16:00 ALS Bottle#: 0 Worklist Smp#: 10
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: LCSD 410-212223/15-A
 Operator ID: 24470 Instrument ID: 11000
 Method: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 06-Jan-2022 19:40:17 Calib Date: 05-Jan-2022 06:05:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1637

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.718	2.718	0.000	812128495H	4.97	4.25	
2 Acetaldehyde						
3.334	3.338	-0.004	358222247H	5.03	4.25	
\$ 3 Butyraldehyde						
6.439	6.459	-0.020	204476679H	8.00	7.43	
4 Glutaraldehyde						
9.321	9.373	-0.052	139945277H	5.00	5.21	

Report Date: 06-Jan-2022 19:40:19

Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\03FORM22005003.010.d

Injection Date: 06-Jan-2022 18:16:00

Instrument ID: 11000

Lims ID: LCSD 410-212223/15-A

Client ID:

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 10

Injection Vol: 20.0 ul

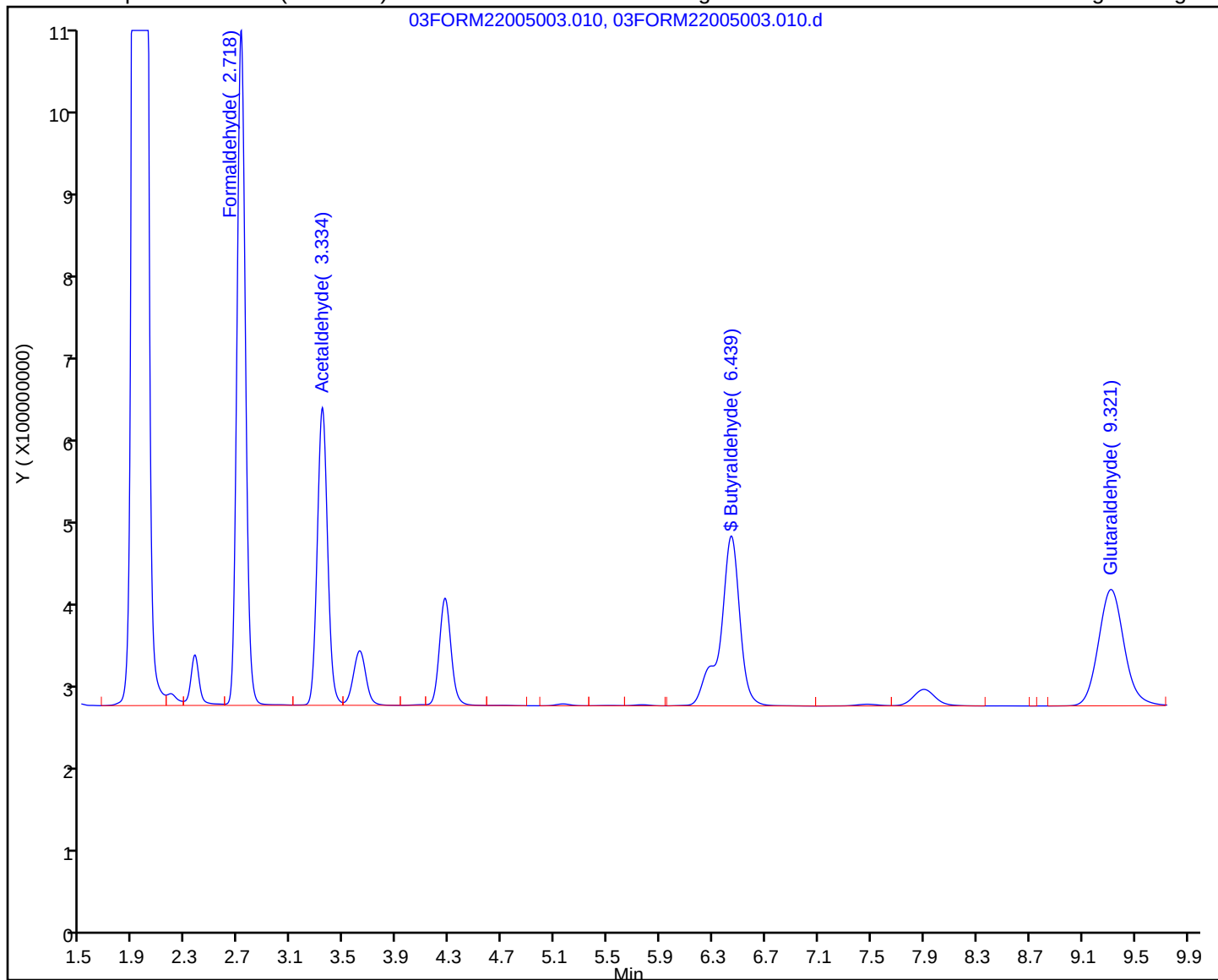
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
HPLC/IC ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-68062-1
SDG No.: _____
Client Sample ID: Low Range VOC PT Lot# Lab Sample ID: 410-68062-1 DU
122121 DU
Matrix: Water Lab File ID: 03FORM22005003.012.d
Analysis Method: 8315A Date Collected: 01/06/2022 10:00
Extraction Method: 8315A Prep Date Extracted: 01/06/2022 10:04
Sample wt/vol: 100 (mL) Date Analyzed: 01/06/2022 18:38
Con. Extract Vol.: 10 (mL) Dilution Factor: 1
Injection Volume: 20 (uL) GC Column: Supelcosil ID: 4.6 (mm)
% Moisture: _____ GPC Cleanup: (Y/N) N
Analysis Batch No.: 212475 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-00-0	Formaldehyde	ND		60	27

CAS NO.	SURROGATE	%REC	Q	LIMITS
123-72-8	Butyraldehyde	87		39-153

Eurofins Lancaster Laboratories Env, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\03FORM22005003.012.d
 Lims ID: 410-68062-A-1-B DU
 Client ID:
 Sample Type: DU
 Inject. Date: 06-Jan-2022 18:38:00 ALS Bottle#: 0 Worklist Smp#: 12
 Injection Vol: 20.0 ul Dil. Factor: 1.0000
 Sample Info: 410-68062-A-1-B DU
 Operator ID: 24470 Instrument ID: 11000
 Method: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\8315A_11000.m
 Limit Group: LC - 8315A
 Last Update: 06-Jan-2022 19:40:17 Calib Date: 05-Jan-2022 06:05:00
 Integrator: Falcon
 Quant Method: External Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Lancaster\ChromData\11000\20220105-47820.b\03FORM22005001.007.d
 Column 1 : Supelcosil LC-18 (4.60 mm) Det: 04FORM19265001.001
 Process Host: CTX1637

RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags

1 Formaldehyde						
2.718	2.718	0.000	31900165H		0.1671	
2 Acetaldehyde						
3.338	3.338	0.000	2561298H		0.0304	
\$ 3 Butyraldehyde						
6.439	6.459	-0.020	192502660H	8.00	7.00	
4 Glutaraldehyde						
9.317	9.373	-0.056	65119H		0.002423	

Eurofins Lancaster Laboratories Env, LLC

Data File: \\chromfs\Lancaster\ChromData\11000\20220106-47927.b\03FORM22005003.012.d

Injection Date: 06-Jan-2022 18:38:00

Instrument ID: 11000

Lims ID: 410-68062-A-1-B DU

Client ID:

Operator ID: 24470

ALS Bottle#: 0

Worklist Smp#: 12

Injection Vol: 20.0 ul

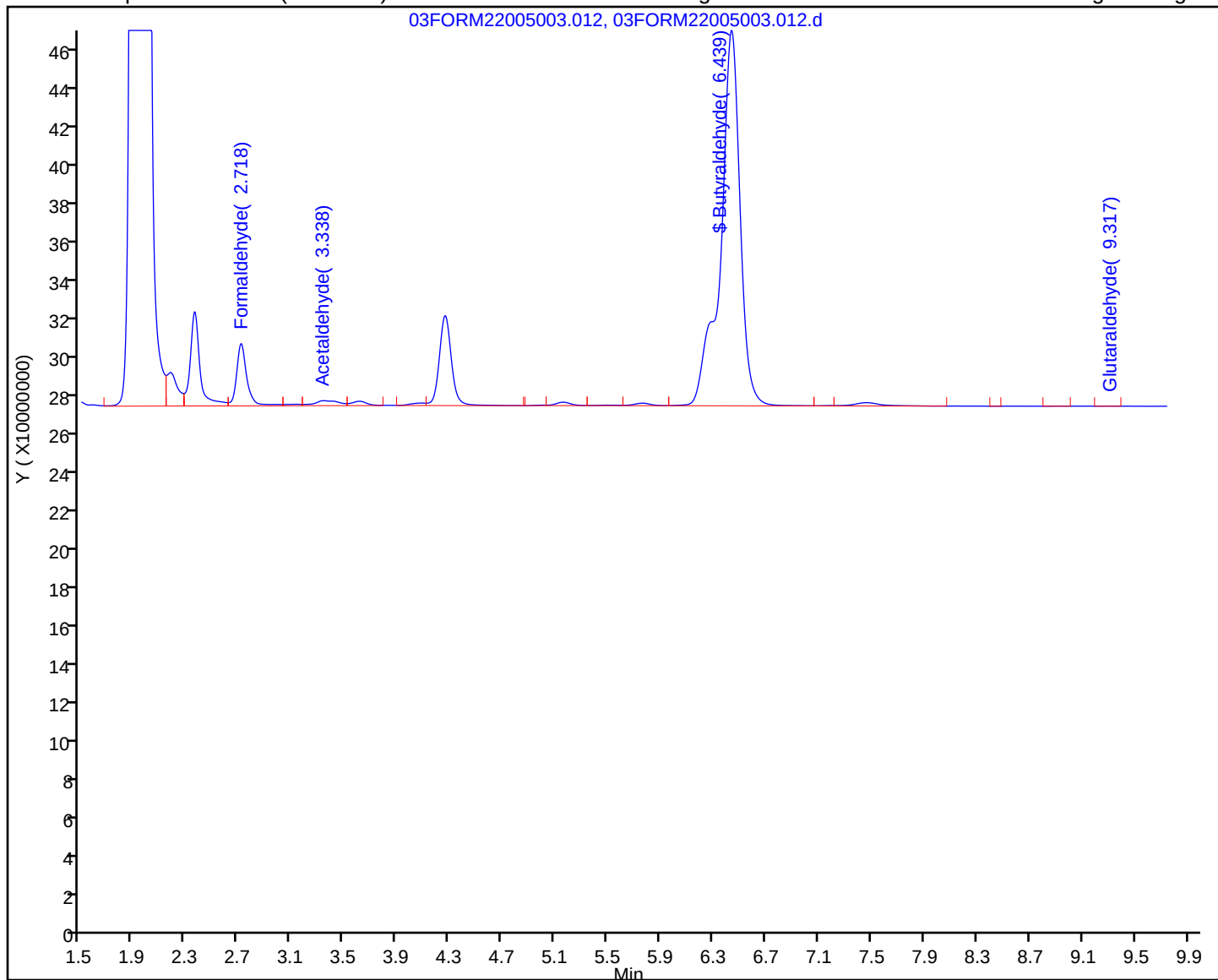
Dil. Factor: 1.0000

Method: 8315A_11000

Limit Group: LC - 8315A

Column: Supelcosil LC-18 (4.60 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



HPLC/IC ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1

SDG No.: _____

Instrument ID: 11000Start Date: 01/05/2022 05:22Analysis Batch Number: 212058End Date: 01/05/2022 08:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 410-212058/3		01/05/2022 05:22	1	03FORM22005001.003.d	Supelcosil 4.6 (mm)
IC 410-212058/4		01/05/2022 05:32	1	03FORM22005001.004.d	Supelcosil 4.6 (mm)
ICRT 410-212058/5		01/05/2022 05:43	1	03FORM22005001.005.d	Supelcosil 4.6 (mm)
IC 410-212058/6		01/05/2022 05:54	1	03FORM22005001.006.d	Supelcosil 4.6 (mm)
IC 410-212058/7		01/05/2022 06:05	1	03FORM22005001.007.d	Supelcosil 4.6 (mm)
ICVL 410-212058/8		01/05/2022 06:16	1		Supelcosil 4.6 (mm)
ICVL 410-212058/9		01/05/2022 06:26	1		Supelcosil 4.6 (mm)
ICV 410-212058/10		01/05/2022 06:37	1	03FORM22005001.010.d	Supelcosil 4.6 (mm)
ZZZZZ		01/05/2022 06:48	1		Supelcosil 4.6 (mm)
ZZZZZ		01/05/2022 06:59	1		Supelcosil 4.6 (mm)
ZZZZZ		01/05/2022 07:09	1		Supelcosil 4.6 (mm)
ZZZZZ		01/05/2022 07:20	1		Supelcosil 4.6 (mm)
CCV 410-212058/21		01/05/2022 08:35	1		Supelcosil 4.6 (mm)
ZZZZZ		01/05/2022 08:46	1		Supelcosil 4.6 (mm)
CCV 410-212058/23		01/05/2022 08:57	1		Supelcosil 4.6 (mm)

HPLC/IC ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Env, Job No.: 410-68062-1

SDG No.: _____

Instrument ID: 11000Start Date: 01/06/2022 17:01Analysis Batch Number: 212475End Date: 01/06/2022 18:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 410-212475/3		01/06/2022 17:01	1	03FORM22005003.003.d	Supelcosil 4.6 (mm)
ZZZZZ		01/06/2022 17:12	1		Supelcosil 4.6 (mm)
ZZZZZ		01/06/2022 17:22	1		Supelcosil 4.6 (mm)
ZZZZZ		01/06/2022 17:33	1		Supelcosil 4.6 (mm)
ZZZZZ		01/06/2022 17:44	1		Supelcosil 4.6 (mm)
MB 410-212223/13-A		01/06/2022 17:55	1	03FORM22005003.008.d	Supelcosil 4.6 (mm)
LCS 410-212223/14-A		01/06/2022 18:05	1	03FORM22005003.009.d	Supelcosil 4.6 (mm)
LCSD 410-212223/15-A		01/06/2022 18:16	1	03FORM22005003.010.d	Supelcosil 4.6 (mm)
410-68062-1	Low Range VOC PT Lot# 122121	01/06/2022 18:27	1	03FORM22005003.011.d	Supelcosil 4.6 (mm)
410-68062-1 DU	Low Range VOC PT Lot# 122121 DU	01/06/2022 18:38	1	03FORM22005003.012.d	Supelcosil 4.6 (mm)
CCV 410-212475/13		01/06/2022 18:48	1	03FORM22005003.013.d	Supelcosil 4.6 (mm)

HPLC/IC BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-68062-1

SDG No.: _____

Batch Number: 212223 Batch Start Date: 01/06/22 10:04 Batch Analyst: Erickson, AndrewBatch Method: 8315A Prep Batch End Date: 01/06/22 12:47

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	FirstAdjustpH	OP_FORM_SS 00047	OP_FRMMS 00047	AnalysisComment
MB 410-212223/13		8315A Prep, 8315A		100 mL	10 mL	5.0 +/- 0.1 SU	1 mL		DI H2O
LCS 410-212223/14		8315A Prep, 8315A		100 mL	10 mL	5.0 +/- 0.1 SU	1 mL	1 mL	DI H2O
LCSD 410-212223/15		8315A Prep, 8315A		100 mL	10 mL	5.0 +/- 0.1 SU	1 mL	1 mL	DI H2O
410-68062-A-1	Low Range VOC PT Lot# 122121	8315A Prep, 8315A	T	100 mL	10 mL	5.0 +/- 0.1 SU	1 mL		Clear Sample
410-68062-A-1 DU	Low Range VOC PT Lot# 122121	8315A Prep, 8315A	T	100 mL	10 mL	5.0 +/- 0.1 SU	1 mL		Clear Sample

Batch Notes	
Eluting Solvent Lot #	Dilute Acetate Buffer- 39576122921C
SPE Cartridge Lot ID	6624650-01
Acetate Buffer Lot #	39576122921D
Acetonitrile ID	215698
DNPH ID	300100921A
Saturated NaCl ID	213541B
Temperature of Sample Shaker	40 Degrees C
Shaker Start Time	01/06/2022 11:04
Shaker End Time	01/06/2022 12:04
pH Meter ID	J15358
Thermometer ID	863889
6M NaOH ID	32227070721A
6M HCL ID	204734

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

AbsoluteGrade PT Program

Data Report Form / Instructions

Part #38689

Lot #122121

2 mL

Account # 5404

Invoice # 208100

Low Range VOC PT

Company Geosyntec Consultant, Inc.

4 Components

USEPA Lab ID

State Lab ID

in water

SEE MSDS

Evaluation Type WP

External PT

To prepare the sample for analysis, fill a 100 mL volumetric flask approximately 3/4 full with reagent water. Pipette 1 mL of the ampoule's solution into the flask below the water line and dilute to volume. Mix well by inverting the flask several times. Sample is ready for analysis. Report results as ug/L with three figures.

#	Component	Method Code	</>	Reported Number	Analysis Date	Units
4315	Acetone					ug/L
4750	Ethanol					ug/L
4815	Formaldehyde					ug/L
4930	Methanol					ug/L



410-68062 Login

PM: Cady, John M

Company: Geosyntec Consultants, Inc

Received by: *[Signature]* 12/23/21
1/29

[Signature]

Send completed DATA REPORT FORM TO: Absolute Standards, Inc., PO Box 5585, Hamden, CT 06518, or 44 Rossotto Drive, Hamden, CT 06514, Attn: PT Results.

If you have questions or comments, then please call: Stephen J. Arpie, M.S., Director @ phone (203)-281-2917, fax (203) 281-2922.

NSF: ISO 9001, ANAB: 17025, 17043, 17034, Guide 35 Accredited. Data Report Form, Rev. 9, Date Issued: 12052011 Page 1 Printed: 12/22/2021, 4:59:30 PM

The laboratory under test shall not reveal their results, or any other aspect of the test in which they have participated, to any unauthorized person or other laboratory. All results are confidential!

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 410-68062-1

Login Number: 68062

List Number: 1

Creator: Foreman, Leah M

List Source: Eurofins Lancaster Laboratories Env, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	No ice present, no attempt to chill
Cooler Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	False	Thermal preservation not required.
Cooler Temperature is recorded.	N/A	
WV: Container Temperature is acceptable ($\leq 6^{\circ}\text{C}$, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Refer to Job Narrative for details.
Sample custody seals are intact.	N/A	