Aztech Environmental
TECHNOLOGIES
A LaBella Company

September 13, 2023

Mr. Parag Amin
NYSDEC – Central Office
625 Broadway
Albany, NY 12233

RE: Remedial Investigation Report
10 East Chester Street – Offsite
306-318 Broadway
City of Kingston, Ulster County, New York
NYSDEC Site No. C356032A

Dear Mr. Amin:

LaBella Associates (Labella), Formerly Aztech Environmental Technologies (Aztech), has prepared this correspondence to summarize onsite and offsite the Remedial Investigation activities conducted at the above referenced site.

The activities included the installation of four (4) offsite groundwater monitoring wells, gauging and low-flow groundwater sampling of select onsite and offsite monitoring wells and performing a soil vapor intrusion investigation at one (1) offsite property. The above noted site investigation activities were conducted between September 28, 2020 and March 29, 2021.

Additionally, a supplemental offsite investigation was conducted between March 7 and March 8, 2023. The supplemental investigation included advancement of eight (8) soil borings and collection of a grab groundwater sample from a temporary monitoring well set at each boring location.

If you have any questions regarding the information contained herein, please contact Labella at (518) 885-5383.

Sincerely,

Thomas Giamichael, P.G.
Project Manager/Senior Environmental Geologist

Enclosure
Cc: File

Remedial Investigation Report

PREPARED FOR:
New York State Department of Environmental Conservation
Central Office
625 Broadway
Albany, New York 12233
Attn: Parag Amin

SUBJECT SITE:
10 East Chester Street - Offsite
306-318 Broadway
Kingston, Ulster County, New York

NYSDEC Site No. C356032A

September 13, 2023

Aztech Environmental
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Remedial Investigation Report

Site No. C356032A

10 East Chester Street - Offsite
306-318 Broadway
City of Kingston, Ulster County, New York

CERTIFICATION

Dated: September 13, 2023

I, Thomas Giamichael, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).



Thomas Giamichael, P.G. #0631
Project Manager/Senior Environmental Geologist

1.0 INTRODUCTION

LaBella Associates (Labella), Formerly Aztech Environmental Technologies (Aztech), has prepared this correspondence to document an offsite Remedial Investigation (RI) related to the property located at 10 East Chester Street, Ulster County, Kingston, New York, hereinafter referred to as "the Site". The Site is part of the Brownfield Cleanup Program (BCP) as Site #356032A. A Site Location Map is included as **Figure 1**.

Information gathered from previous investigations conducted by others identified the presence of volatile organic compounds (VOCs), specifically, chlorinated VOCs (CVOCs) in soil and groundwater. In addition, select petroleum range VOCs and semi-volatile organic compound (SVOCs) have been identified at elevated concentrations in the south-southwest portions of the BCP Area.

The intent of the RI was to perform an offsite Site characterization to determine if VOCs, including chlorinated solvents, associated with the BCP had migrated to offsite groundwater and/or soil vapor. The area of the offsite study is predominantly composed of commercial properties surrounded by residential zones. Offsite investigation activities were performed in the area to the south and east of the Site along Broadway spanning from West Chester Street to Orchard Street. A site map of the investigation area is presented on **Figure 2**.

1.1 SITE DESCRIPTION

The Site is located at 10 East Chester Street in Kingston, New York (see Figure 1). The site consists of approximately 1.0 acre of land and is currently Walgreens Store No. 02077. Construction of the store was completed in 2010. The Site is commercially zoned with surrounding properties that include a mix of commercial businesses and residential lots.

The Site is bounded by East Chester Street to the west, Jansen Avenue to the north and Broadway to the south. The property immediately to the east of the Site is occupied by a Rondout Savings Bank. Residential homes are located north of the Site, across from Jansen Avenue. In addition, residential homes and a Speedway gas station are located immediately south of the Site, across from Broadway. A fast food restaurant (Burger King) is located to the west of the site across East Chester Street. A residential apartment building (Yosman Towers) is located southeast of the Site (Figure 2).

1.2 SITE BACKGROUND

Per review of available information, portions of the Site were historically occupied by a dry cleaning facility, a vehicle fueling/service station, and a trolley barn that was converted into a school bus maintenance garage. Based on the results of the *Brownfield Cleanup Program Remedial Investigation Report/Remedial Action Plan* prepared by Sterns and Wheeler Redevelopment of North America, LLC (S&W), dated August 2005, the constituents of potential

concern at the Site include CVOCs associated with solvents (i.e., trichloroethylene (TCE) and tetrachloroethylene (PCE)) and petroleum products. The previous owner of the site, 10 East Chester Street LLC, entered into the New York State Brownfield Program (BCP Site Number C356032) and completed remediation in accordance with the requirements of the BCP.

The Site remedial activities included removal of seven (7) underground storage tanks (USTs) that contained petroleum products, excavation of impacted soil, and performing in-situ chemical oxidation using potassium permanganate to remediate the groundwater. The remedial activities were conducted in accordance with the NYSDEC approved *Remedial Action Plan* prepared by S&W dated August 2005 and the *Remedial Design In-Situ Chemical Oxidation* prepared by S&W dated October 2005.

1.3 HISTORICAL INVESTIGATIONS AND REPORTING

A Summary of previous investigations and subsequent reporting at the Site is detailed below:

- S&W submitted a Final Engineering Report to the NYSDEC in November 2006. A Certificate of Completion was issued by the NYSDEC on December 14, 2006. This certificate stated "…that the remediation requirements set forth in ECL Article 27, Title 14, have been or will be achieved in accordance with the time frames, if any, established in the remedial work plan." The certificate also noted that the Site is restricted to a "commercial" use and that the Site remediation is also predicated on the use of institutional or engineering controls. The use of groundwater underlying the Site is prohibited without prior approval from the NYSDEC.

- A Site Management Plan (SMP) was prepared by S&W, on behalf of 10 East Chester Street LLC in December 2006. The SMP requires that all buildings constructed onsite have a NYSDEC and New York State Department of Health (NYSDOH) approved active sub-slab depressurization system, maintenance of six-inches of concrete or asphalt pavement across the Site, and annual groundwater monitoring. Any future excavation of soils at the Site must be done in accordance with the SMP. The SMP also requires an annual certification that the engineering and institutional controls employed at the Site are unchanged from the previous certification and that nothing has occurred that would impair the ability of such controls to protect the public health and environment.

- During redevelopment activities in May and June 2008, monitoring wells MW-1S, MW-2S, and MW-3S were abandoned with approval from the NYSDEC. Replacement monitoring wells MW-1, MW-2 and MW3 were installed by Bureau Veritas in February 2010. The locations of these wells are shown in Figure 2. Groundwater samples were collected from these three (3) wells in March and May 2010. The monitoring well installation and

groundwater sampling results for 2010 investigation are summarized in the *Annual Groundwater Sampling Report* prepared by Bureau Veritas, dated September 29, 2010.

- URS Corporation (URS became part of AECOM in 2014) submitted an *Annual Groundwater Sampling, Site Management Plan Review, and Institutional Control and Engineering Control (IC/EC) Certifications* to the NYSDEC in April 2011 and April 2012. URS collected a supplemental round of groundwater samples in August 2012 to verify recent data and to gather additional data to evaluate groundwater geochemistry. The recommendation was to continue annual groundwater sampling events using a low flow sampling methodology. The NYSDEC approved of this approach in January 2013.

- URS submitted a *Periodic Review Report (PRR)*: *Annual Groundwater Sampling, Site Management Plan Review, and IC/EC Certification* to the NYSDEC in December 2013. The NYSDEC did not approve the *PRR* or *IC/EC Certification* dated December 2013 and requested that a Corrective Measures Workplan (CMWP) be submitted to address recalcitrant levels of PCE in MW-3. URS performed a review of previous investigative work conducted at the Site and identified data gaps. URS performed an investigation in July 2014 to delineate shallow soil impacts above the water table along the former sewer line that connected the floor drains within the former dry-cleaning facility to the sanitary sewer located in Broadway, in the area of a former 550-gallon waste oil UST, and along the western property boundary (along East Chester Street). A total of ten (10) soil borings were advanced in 2014. The 2014 investigation concluded that there is not an on-going source of PCE in shallow soil at the Site that is contributing to the elevated groundwater concentrations in the areas investigated. The highest concentrations of PCE in the groundwater were detected along the East Chester Street property boundary. PCE concentrations in the groundwater were shown to decrease southeast across the Site in the direction of historical groundwater flow.

- AECOM submitted a Workplan to further delineate soil and groundwater impacts and collect data for potential remedial design in June 2015. The scope of work included a task to evaluate if there is an upgradient source of PCE. This result was prompted from the review of the 1950 and 1957 Sanborn maps showing a historical dry cleaning operation approximately 300 feet west of the site, at the property located at 338 Broadway. The NYSDEC and the NYSDOH approved the Workplan in August 2015. Additionally, the NYSDEC had indicated that source material may be bound in the silt and clay at the Site and that PCE is potentially being released to the groundwater slowly over time. The approved Workplan included sampling methodology to vertically delineate potential impacts in the soil and evaluate this potential conceptual site model.

- In 2016, AECOM submitted a *Workplan Addendum*, which requested that offsite soil borings be advanced at the Burger king property located at 322 Broadway. AECOM obtained access to conduct investigation activities at 322 Broadway in September 2016. The scope of work for the offsite investigation was governed by the Final Executed Limited Access Agreement between AECOM, 322 Broadway, LLC (property owner), and Carrols LLC (tenant). Five (5) soil borings were advanced along the upgradient side (westerly) of 322 Broadway to determine if there is a source of PCE upgradient of 322 Broadway. The offsite investigation confirmed that PCE is present in the groundwater upgradient of the Walgreens Site and potentially upgradient of 322 Broadway, more than 200 feet from the Walgreens property boundary. Walgreens requested that the NYSDEC notify the appropriate property owner(s) upgradient of 322 Broadway of this information and request that the property owner(s) conduct an investigation to determine if there is a source of PCE present upgradient of 322 Broadway.

- In December 2016 the NYSDEC requested that Walgreens install a permanent monitoring well (MW-6) at 322 Broadway and have it surveyed to confirm the groundwater flow direction and show the topographic clay layer across the properties and to confirm the PCE concentrations observed in the grab groundwater samples. At that time, the NYSDEC requested that all monitoring wells (MW-1 through MW-5) onsite and any newly installed wells offsite at 322 Broadway be sampled at the same time.

In March 2018, AECOM submitted a Site Management Periodic Review Report, and IC/EC certification report on behalf of Walgreens. That report further supported evidence of offsite contamination originating from a source to the west of the Site. Groundwater flow from the offsite and onsite wells demonstrated a southeast flow direction. The report also recommends additional offsite investigations be conducted.

2.0 OFFSITE CHARACTERIZATION

The RI scope of work for offsite characterization was defined by the NYSDEC in callout 137373 to include installation of four (4) permanent offsite groundwater monitoring wells, a professional survey, and a groundwater-monitoring event to include offsite and onsite monitoring wells.

Following an initial review of results from the September to October 2020 offsite investigation, a second phase of the investigation was conducted in March 2021 to include a soil vapor intrusion (SVI) investigation at a single offsite property.

Further review of site data warranted a supplemental offsite soil and groundwater investigation conducted in March 2023 on the property located at the Rondout Bank.

Details of the investigation activities are presented in the following sections.

2.1 SOIL BORING ADVANCMENT

Between September 28 and 29, 2020 Parratt Wolff of Syracuse, New York, a subcontractor of Labella, on behalf of NYSDEC installed four (4) soil borings to be completed as monitoring wells (MW-7 through MW-10) offsite from the 10 East Chester Site. The boring designations were selected to continue the naming scheme of the existing onsite monitoring well network. Boring locations to install the monitoring wells were selected by NYSDEC based on spatial distribution and potential for offsite impacts based on anticipated direction of groundwater flow and contaminant migration. The soil boring locations are presented on **Figure 3**.

A track mounted 7822 Geoprobe® drill rig, equipped with direct push technology was utilized during the soil boring advancement and monitoring well installation. Each soil boring was advanced from the surface to approximately five (5) to seven (7) feet into the observed groundwater table. Terminal depths of each boring varied between 15.5 and 16.9 feet below grounds surface (fbgs). During these activities, depth discrete soil samples were collected utilizing 5-foot macro-core acetate sleeves, two (2) inches in diameter. A Labella geologist characterized recovered soil samples in the field for color, grain size, moisture content, and presence of petroleum or solvent impacts.

After the soil samples were characterized, they were placed in re-sealable, airtight plastic bags and allowed to volatilize. The headspaces of samples were then screened for VOCs using a MiniRae 3000 photoionization detector (PID) equipped with a 10.6 eV bulb and calibrated to a benzene standard using 100 parts per million (ppm) isobutylene gas. Soil samples from boring MW-7 exhibited petroleum/solvent odor, staining and elevated headspace readings (i.e. >5.0 ppm). Specifically, headspace readings in soil from 9.5 to 12 fbgs ranged from 1,162ppm to 1,056 ppm, respectively. Headspace readings reduced to 10 ppm at 12 fbgs. All soil samples recovered from borings MW-8, MW-9 and MW-10 during the investigation did not exhibit elevated PID readings. Per direction from the NYSDEC, soil samples were not submitted for laboratory analysis during the offsite investigation.

Details for each soil boring are presented in the soil boring and well completion logs (**Attachment A**). A photographic record of general Investigation activities is presented in **Attachment B**.

2.2 GEOLOGY OF SOIL SAMPLES

Soil encountered during the boring program typically consisted of loose brown fine to medium sand with varying amounts of silt overlying a confining layer of gray silt and clay. The silt and clay interval ranged from approximately 10 to 14 fbgs, was generally firm, and encountered below the observed water table. Groundwater was observed in all soil samples at an average depth of 9.2 fbgs. Boring advancement did not exceed the confining layer. The average terminal depth of boring was 16.1 fbgs. Boring refusal and bedrock were not encountered during the investigation.

2.3 MONITORING WELL INSTALLATION

Following boring advancement, each soil boring was completed as a monitoring well constructed of an appropriate length of 2-inch inner diameter (ID) schedule 40 polyvinyl chloride (PVC) plastic 20-slot well screen and solid riser. The annular space between the monitoring well screen and borehole wall was filled with number 1 filter pack sand. The sand filter pack extended approximately 2-feet above the well screen. The filter pack was subsequently sealed with bentonite chips that were hydrated before completing the monitoring well installation.

The drill casing was then extracted and each monitoring well was finished flush to grade with a steel, bolt-down road box set in a concrete pad. Construction specifications for each monitoring well are included in the soil boring and well completion logs (**Attachment A**).

2.4 WELL DEVELOPMENT

The newly installed monitoring wells were developed on October 7, 2020 by surging and bailing to remove fines and increase communication with the surrounding aquifer. Additionally, a peristaltic pump and disposable ¼ inch diameter tubing was utilized to evacuate purge water from the wells. A minimum of 10 well volumes were removed from each well.

No non-aqueous phase liquid (NAPL) was observed during well development activities. However, petroleum odor was noted in the purge water from monitoring well MW-7. All development water was containerized in a 55-gallon drum and staged for offsite disposal.

3.0 SITE SURVEYING

On October 19, 2020, surveying was conducted by Brinner & Larios PC of Kingston, New York as a subcontractor to Labella. Brinner & Larios is a certified land surveyor licensed to practice in the State of New York.

The survey included the five (5) existing onsite monitoring wells (MW-1 to MW5); the pre-existing offsite monitoring well MW-6 and the four (4) newly installed offsite monitoring wells (MW-7 to MW-10). The horizontal coordinates for each well location were tied to the New York State Plane, East (3101), North American Datum (NAD), 1983 coordinate system (NAD 83). The top of casing elevation for each well were established with respect to North American Vertical Datum (NAVD), 1988 (NAVD 88).

Additionally, survey data was collected for parcel boundaries and general site features within the study area. The data was used to produce a base map, stamped by the licensed surveyor, and provided to Labella. The surveyed base map has been used to produce figures within this report.

4.0 WELL GAUGING AND GROUNDWATER GRADIENT DETERMINATION

On October 19 and December 22, 2020 Labella completed separate groundwater gauging events to include the five (5) existing onsite monitoring wells (MW-1 to MW5), pre-existing offsite monitoring well MW-6 and the four (4) newly installed offsite monitoring wells (MW-7 to MW-10).

Depth to groundwater measurements for all wells were collected using an electronic water level meter graduated in 0.01 feet intervals. All measurements were taken from the top of groundwater monitoring well casings. The water level meter was decontaminated between locations using acceptable industry practices and in accordance with the manufacturer.

All groundwater elevation data are referenced to the surveyed top of casing elevations. The groundwater gauging data for each event are presented on **Table 1** and illustrated on **Figure 4** and **Figure 5**, respectively.

On October 19, 2020, the average depth to groundwater was 8.96 feet below top of casing with an average elevation of 179.22 feet (NAVD 88). Groundwater flow on this date was calculated to be in a southeasterly direction and the average groundwater gradient within the measured well network was 0.009 ft/ft.

During the December 22, 2020 gauging event, the average depth to groundwater was 8.75 feet below top of casing with an average elevation of 179.42 feet. Groundwater flow on this date was calculated to be in a southeasterly direction and the average groundwater gradient within the measured well network was 0.008 ft/ft.

5.0 GROUNDWATER SAMPLING AND ANALYSIS

Between October 19 and October 21, 2020 groundwater samples were collected from the five (5) existing onsite monitoring wells (MW-1 to MW5), pre-existing offsite monitoring well MW-6 and the four (4) newly installed offsite monitoring wells (MW-7 to MW-10).

Groundwater sampling from each well was performed using modified low flow sampling techniques. Purging was accomplished using dedicated high-density polyethylene (HDPE) tubing (attached to a peristaltic pump) in order to draw groundwater from each well and into a flow-thru cell. The flow-thru cell was equipped with a multi-parameter water quality probe that recorded water quality field parameters (WQFPs) consisting of temperature, pH, specific conductance, dissolved oxygen, oxidation-reduction potential, and turbidity. The WQFPs and depth to water measurements were collected at regular intervals while purging.

The October 19 to October 21, 2020 final measured WQFPs are presented on **Table 2**. Copies of the field sampling records and water quality parameters collected during purging are included in **Attachment C**.

Groundwater samples were retained following stabilization of the measured WQFPs. The samples were collected in appropriate bottleware supplied by the analytical laboratory, placed on ice in a cooler, and transported under proper chain of custody to, Eurofins Test America Laboratories (Test America) of Amherst, New York. Test America holds certification #10026 under the Environmental Laboratory Accreditation Program (ELAP).

The samples were analyzed for VOCs using the United States Environmental Protection agency (USEPA) Method 8260. Analytical results were reported for the Target Compound List (TCL) and NYSDEC Commissioner Policy (CP)-51 list.

5.1 GROUNDWATER SAMPLING RESULTS

The Laboratory analytical results for the October 19 to October 21, 2020 groundwater monitoring event are summarized below and presented in **Table 3.** A VOC distribution map of select CVOC compounds in groundwater is presented as **Figure 6**. Refer to the laboratory analytical report in **Attachment D** for further details. A discussion of the groundwater sampling results is presented below:

- During well purging, water quality field parameters stabilized and groundwater turbidity reached less than 50 nephelometric turbidity units (NTU's). This occurred at all sampled wells, with the exception of existing onsite monitoring well MW-1. The turbidity reading in MW-1 was 283 NTU's at the time of sample collection.

- Onsite monitoring well MW-1 and offsite monitoring wells MW-8 and MW-9 indicated total VOC concentrations below the laboratory reporting limit for each respective analyte and are considered non-detect (ND).

- Total VOCs above the laboratory reporting limit in onsite monitoring wells (MW-1 to MW-5) and offsite monitoring wells (MW-6 to MW-10) ranged from 0.58 micrograms per liter (µg/L) to 2,122 µg/L in MW-5 and MW-3, respectively.

- Several VOC analytes were detected above their respective NYSDEC groundwater quality standard (GWQS) in onsite monitoring wells MW-2, MW-3, MW-4 and offsite monitoring wells MW-6 and MW-7. Specifically:

    - The onsite monitoring well MW-2 reported 1,2,4-trimethylbenzene at a concentration of 300 µg/L. The analyte 1,3,5-trimethylbenzene at 77 µg/L, isopropylbenzene at 21 µg/L, n-butylbenzene at 20 µg/L, n-propylbenzene at 61 µg/L, and sec-butylbenzene at a concentration of 6.3 µg/L. These compounds are above their respective GWQS of 5 µg/L. Additionally, analytes cyclohexane and methylcyclohexane were reported

at concentrations of 100 µg/L and 63 µg/L, respectively. These concentrations are both above their respective GWQS of 50 µg/L

- Onsite monitoring well MW-3 reported tetrachloroethene and trichloroethene at a concentration of 2,100 µg/L and 22 µg/L, respectively. Both CVOC analytes exceeded their respective GWQS of 5 µg/L.

- Tetrachloroethene was reported in onsite monitoring well MW-4 and offsite monitoring well MW-6 at concentrations of 2,100 µg/L and 13 µg/L, respectively. These detections exceed the GWQS of 5 µg/L.

- Offsite monitoring well MW-7 reported cis-1,2-dichloroethylene at a concentration of 20 µg/L. The compounds tetrachloroethene and trichloroethene were also reported at a concentration of 520 µg/L and 130 µg/L, respectively. Each of these CVOC detections exceed their respective GWQS of 5 µg/L.

- Methyl tert-butyl ether (MTBE) was detected above the laboratory reporting limit only in offsite monitoring well MW-10 at a concentration of 9.9 µg/L. This petroleum range detection exceeds the respective GWQS of 5 µg/L.

6.0 OFFSITE SOIL VAPOR INTRUSION INVESTIGATION

Following an initial review of results from the September to October 2020 offsite investigation, a second phase of the investigation was conducted in March 2021 to investigate SVI at a single offsite property.

The property selected for the SVI study was the Rondout Savings Bank located at 300 Broadway, Kingston, New York. This location is down gradient of the Site and in close proximity to offsite monitoring well MW-7, which reported elevated CVOCs during the October 2020 groundwater sampling event.

6.1 SVI SCOPE OF WORK

The overall purpose of an SVI study is to evaluate whether or not the process of vapor intrusion is occurring at homes or businesses in the area where a presence of VOCs are known to exist in either groundwater or soil vapor. Tasks performed during the investigation included:

- Collection of sub-slab, indoor basement, and ambient air samples from one (1) structure,
- Completion of a Structural Sampling Questionnaire and Building Inventory Log,
- Collection of Quality Assurance/Quality Control (QA/QC) duplicate samples, and;
- Preparation of a summary report documenting the investigation.

6.2 METHODOLOGY

Independent designations are assigned to sampled structures to provide organization and continuity should future sampling be conducted. This is particularly useful to keep an SVI address private when multiple locations are sampled during a single event. Below is a list of structures that were sampled for sub-slab and indoor air during the March 2021 sampling event along with the structure's sample location designation (i.e., the H number). The SVI sample locations are depicted on **Figure 7**.

- H1 – 300 Broadway (Rondout Savings Bank)

All sampling was conducted in accordance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006. During the sample collection, a NYSDOH Structural Sampling Questionnaire and Building Inventory Log was completed. A copy of the completed Structure Sampling Questionnaire is provided as **Attachment E**.

The sub-slab soil vapor samples were collected from semi-permanent vapor probes installed in structures with a concrete slab. The sub-slab soil vapor probe was installed using an electric drill and a Vapor Pin® kit. A length of ¼" diameter Teflon® lined tubing was attached to the Vapor Pin® to facilitate sampling. The tubing was purged prior to collection of a sub-slab vapor sample. The seal established around the Vapor Pin® was checked using helium tracer gas and a helium detector. Indoor air and ambient outdoor air samples were collected directly by the sampling device located approximately five (5) feet above the ground surface.

The samples were collected using six-liter batch certified summa canisters equipped with laboratory-calibrated 24-hr (0.004 liter per minute (L/min) flow controllers. An outdoor ambient air sample was collected the day of sampling in order to obtain background conditions. After collection, samples were submitted to the Test America's Knoxville, Tennessee laboratory where they were analyzed in accordance with analytical method TO-15 for the full list of VOCs.

6.3 RESULTS

The Laboratory analytical results for the March 29, 2021 SVI sampling event are summarized below and presented in **Table 4**. A copy of the laboratory analytical report is included as **Appendix F**. A review of the SVI results is presented below:

- The H1 sub-slab sample reported multiple VOCs above the laboratory detection limit, however all compounds were below the New York State Department of Health (NYSDOH) sub-slab vapor concentration minimum decision matrix.

- The H1 duplicate sub-slab sample reported methylene chloride at a concentration of 138 $\mu g/m^3$, which exceeded the NYSDOH minimum decision matrix value of 100 $\mu g/m^3$.

However, the corresponding indoor air sample was ND. The resulting NYSDOH decision matrix pathway recommends no further action.

- The H1 Indoor air sampling indicated various VOCs above the laboratory detection limit, however all detected VOCs within the NYSDOH decision matrix were ND.

- Overall, when comparing the sub-slab soil vapor and indoor air results for structure H1, no further action is recommended as per the decision matrices within the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006.

7.0 SUPPLEMENTAL OFFSITE INVESTIGATION

On March 8, 2023 a supplemental offsite investigation was conducted on the Rondout Bank property. The intent of the investigation was to determine if offsite impacts to the soil and groundwater were present in the area hydraulically down-gradient of previous VOC impacts identified at MW-7.

A total of eight (8) soil borings were and advanced during the investigation. Details are presented in the following section.

7.1 SOIL BORING ADVANCMENT

On March 8, 2023 Clean Globe Environmental (CGE) of Brentwood, New York, a subcontractor of Labella, on behalf of NYSDEC installed eight (8) soil borings and temporary monitoring wells (SB-1 through SB-8) offsite from the 10 East Chester Site. The soil boring locations were selected by NYSDEC based on spatial distribution and potential for offsite impacts based on anticipated direction of groundwater flow and contaminant migration. The offsite soil boring locations are presented on **Figure 8**.

A track mounted 6610 Geoprobe® drill rig, equipped with direct push technology was utilized during the soil boring advancement and temporary monitoring well installation. Each soil boring was advanced from the surface to approximately 15 fbgs. This terminal depth was chosen based on previous site data to straddle the water table and terminate within a silt and clay confining layer. During boring activities, depth discrete soil samples were collected utilizing 5-foot macro-core acetate sleeves, two (2) inches in diameter. A Labella geologist characterized recovered soil samples in the field for color, grain size, moisture content, and presence of petroleum or solvent impacts.

After the soil samples were characterized, they were placed in re-sealable, airtight plastic bags and allowed to volatilize. The headspaces of samples were then screened for VOCs using a

MiniRae 3000 photoionization detector (PID) equipped with a 10.6 eV bulb and calibrated to a benzene standard using 100 parts per million (ppm) isobutylene gas. Soil samples from borings SB-2 and SB-4 exhibited petroleum/solvent odor, staining and elevated headspace readings (i.e. >5.0 ppm). Specifically, the highest headspace response at SB-2 was recoded from the 11.2 to 12 fbgs interval at a concentration of 1,451 ppm. The headspace response from SB-4 was recorded at a concentration of 1,333 ppm from the 10.2 to 11.3 fbgs interval. Soil headspace readings reduced to below 5 ppm within the silt and clay interval immediately following the respectively intervals noted above for each soil boring. All soil samples recovered from borings SB-1, SB-3, SB-5, SB-6, SB-7, and SB-8 during the investigation did not exhibit elevated PID readings. Per direction from the NYSDEC, soil samples were not submitted for laboratory analysis during the offsite investigation.

Details for each soil boring are presented in the soil boring and well completion logs (**Attachment A**). A photographic record of general Investigation activities is presented in **Attachment B**.

7.2 TEMPORARY MONITORING WELL INSTALLATION

To facilitate grab groundwater samples, each soil boring was completed as a temporary monitoring well constructed with a 10-foot length of 1-inch inner diameter (ID) schedule 40 polyvinyl chloride (PVC) plastic 10-slot well screen and an appropriate length of solid riser. The annular space between the monitoring well screen and borehole wall were not filled and no seal was installed. The temporary monitoring well was set to staddle the water table based on soil sample observations. No groundwater elevations or survey data were collected from the temporary wells.

Following sample collection each well was immediately removed; the borehole was filled with clean fill and the surface was restored to original conditions. Construction specifications for each temporary monitoring well are included in the soil boring and well completion logs (**Attachment A**).

7.3 GROUNDWATER SAMPLING AND ANALYSIS

On March 8, 2023 groundwater samples were collected from the eight (8) temporary monitoring wells installed at SB-1 to SB-8.

Groundwater sampling from each well was performed using hand bailing methods. A new ¾-inch disposable HDPE bailer was used at each location. Several bailers of groundwater were purged from each temporary monitoring well prior to grab sample collection. However, traditional well development methods were not employed during the groundwater study. Groundwater quality parameters were not collected during the sampling event.

Grab groundwater samples were retained in appropriate bottleware supplied by the analytical laboratory, placed on ice in a cooler, and transported under proper chain of custody to Con-Test a Pace Analytical® Laboratory of East Longmeadow, Massachusetts. Contest is an ELAP certified lab and holds certification #10899.

The samples were analyzed for VOCs using USEPA Method 8260. Analytical results were reported for the Target Compound List (TCL) and NYSDEC Commissioner Policy (CP)-51 list.

7.4 GROUNDWATER SAMPLING RESULTS

The laboratory analytical results for the March 8, 2023 groundwater monitoring event are summarized below and presented in **Table 5.** A VOC distribution map of select CVOC compounds in groundwater are presented on **Figure 6**. Refer to the laboratory analytical report in **Attachment G** for further details. A discussion of the groundwater sampling results is presented below:

- Total VOCs were reported above the laboratory reporting limit in all offsite soil borings SB-1 to SB-8. The total detected VOCS ranged from 4.5 µg/L to 669 µg/L in SB-1 and SB-4, respectively.
- Several VOC analytes were detected above their respective NYSDEC GWQS in offsite grab groundwater samples collected from SB-2, SB-3, SB-4, SB-6, and SB-7. Specifically:
    - All soil borings reported Acetone above the laboratory reporting limit in the sampled groundwater. However, the GWQS of 50 µg/L was only exceeded in SB-4 with reported concentration of 89 µg/L.
    - The compound 4-Isopropyltoluene was reported at a concentration 30 µg/L in the sample collected from SB-4. This detection exceeds the GWQS of 5 µg/L.
    - The analyte cis-1,2-Dichloroethylene was reported at a concentration of 12 µg/L, 75 µg/L, and 47 µg/L in the samples collected from SB-2, SB-3n and SB-6, Respectively. These reported concentrations are above the GWQS of 5 µg/L.
    - Isopropylbenzene was reported above the GWQS of 5 µg/L at a concentration of 49 µg/L in the sample collected from SB-4.
    - The compound Methyl Acetate was reported above at a concentration of 190 µg/L in the sample collected from SB-4. This is in exceedance of the GWQS of 50 µg/L.
    - The analytes N-Butylbenzene, N-Propylbenzene and Sec-Butylbenzene were reported above their respective GWQS of 5 µg/L in the groundwater sample collected from SB-

4. The concentrations of each compound were reported at 84 µg/L, 150 µg/L and 37 µg/L, respectively.

- Tert-Butylbenzene, was reported at a concentration of 5.7 µg/L and 5.3 µg/L in the samples collected from SB-2 and SB-3, respectively. These detections are above the GWQS of 5 µg/L.

- The compound Vinyl Chloride was detected was reported in the groundwater sampled from SB-3, SB-6, and SB-7 at concentrations of 25 µg/L, 42 µg/L and 2.8 µg/L, respectively. These detections exceed the GWQS of 2 µg/L.

8.0 DATA USABILITY SUMMARY REPORT

All Laboratory data acquired during the offsite investigation activities were validated by a third party. ZdataReports Data Management and Validations Services (ZdataReports) of Syracuse, New York validated the analytical data packages submitted to Labella by Test America. Analytical data packages are submitted as sample delivery groups (SDGs) based on the number of samples within each shipment received at the laboratory for analysis. The SDGs associated with the October 19 to October 21, 2020 groundwater sampling and March 29, 2021 SVI sampling events were reviewed in July 2021 for completeness and compliance as defined by the requirements for NYSDEC Analytical Services Protocol Category B deliverables.

Data validation for the October 19 to October, 2020 analytical packages were completed for 10 groundwater samples and one (1) quality assurance/quality control sample. All USEPA Method 8260C analysis data were determined to be usable for qualitative and quantitative purposes.

Data validation for the March 29, 2021 analytical package was completed for three (3) soil vapor intrusion samples and one (1) quality assurance/quality control sample. All USEPA Method TO-15 analysis data were determined to be usable for qualitative and quantitative purposes.

Data validation for the March 8, 2023 analytical package was completed for eight (8) groundwater samples and one (1) quality assurance/quality control sample. All USEPA Method 8260D analysis data were determined to be usable for qualitative and quantitative purposes.

Refer to the respective DUSR reports for further details in **Attachment H**.

9.0 INVESTIGATION DERIVED WASTE

All investigation derived waste generated during the October 2020 offsite investigation and sampling activities were containerized in 55-gallon drums and disposed of offsite as non-hazardous waste. Waste Disposal was performed by Mac-Son Industrial Services of Selkirk, New

York. A total of 5 drums were generated. A copy of the disposal manifest is included as **Attachment I**. No waste requiring offsite disposal was generated during the subsequent investigations.

FIGURES



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10 East Chester Street - Offsite
Kingston, New York
NYSDEC Site# C356032A

FIGURE 1

DATE: October, 2020 | SCALE: NTS

Site Location Map



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Legend:

◔ - Pre-Existing Groundwater Monitoring Well

*MW–6 - Part of an Existing Offsite Well Network

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10 East Chester Street - Offsite
Kingston, New York
NYSDEC Site# C356032A

FIGURE 2

DATE: October, 2020

SCALE: 1" = 40'

Site Map

Onsite and Offsite Investigation Area

Note: Aerial Image provided by Google Earth 2020
Base Map - Brinner & Larios Survey 2020



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Legend:

- Offsite Soil Boring / Monitoring Well Location
- Pre-Existing Groundwater Monitoring Well

*MW–6 - Part of an Existing Offsite Well Network

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10 East Chester Street - Offsite
Kingston, New York
NYSDEC Site# C356032A

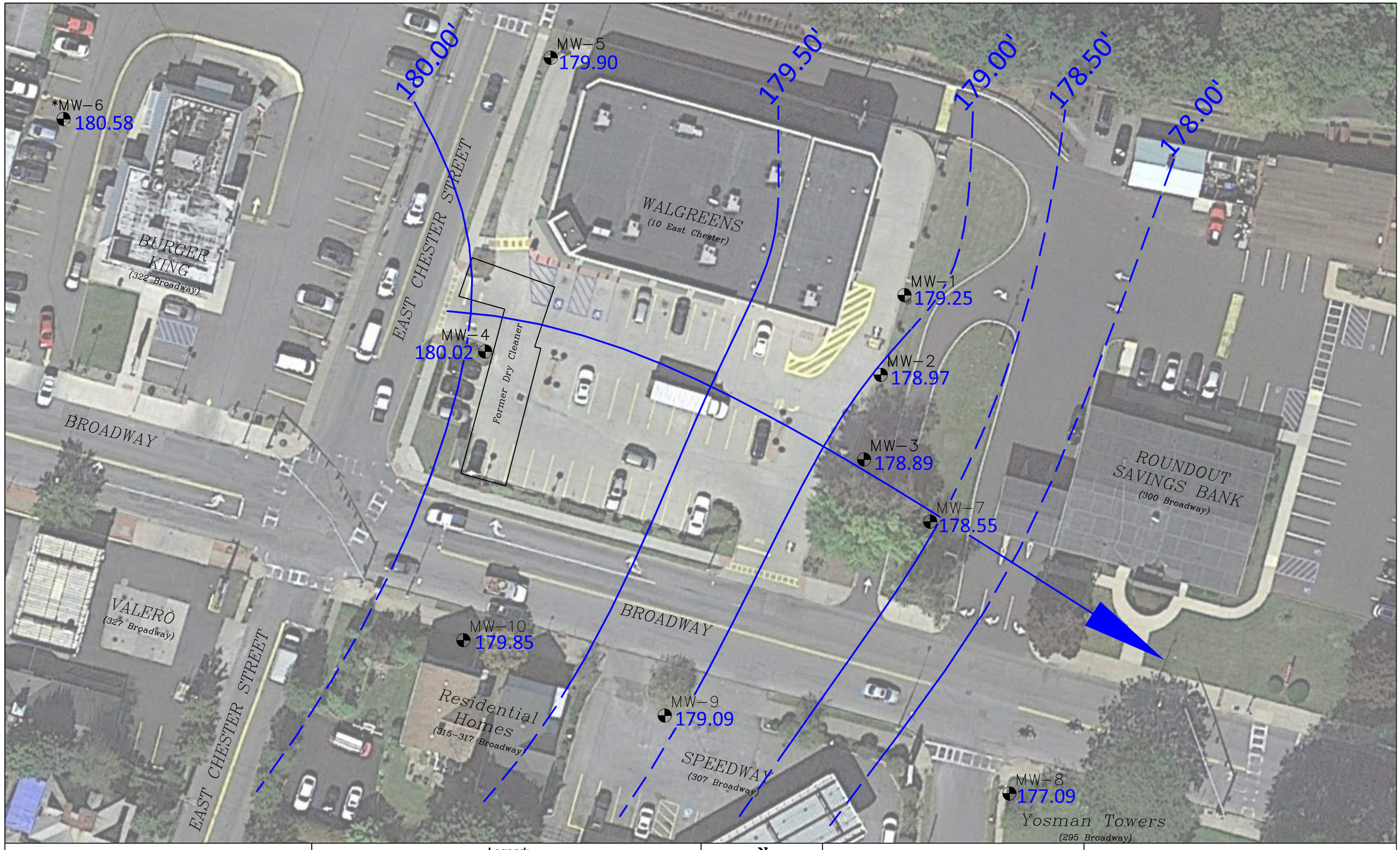
FIGURE 3

DATE: October, 2020

SCALE: 1" = 40'

Soil Boring Map

Note: Aerial Image provided by Google Earth 2020
Base Map - Brinner & Larios Survey 2020



LaBella
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Legend:

- Groundwater Contour (0.5' Interval)
- Approximate Groundwater Contour
- 179.25 - Groundwater Elevation
- Groundwater Monitoring Well
- *MW–6 - Part of an Existing Offsite Well Network

N

10 East Chester Street - Offsite
Kingston, New York
NYSDEC Site# C356032A

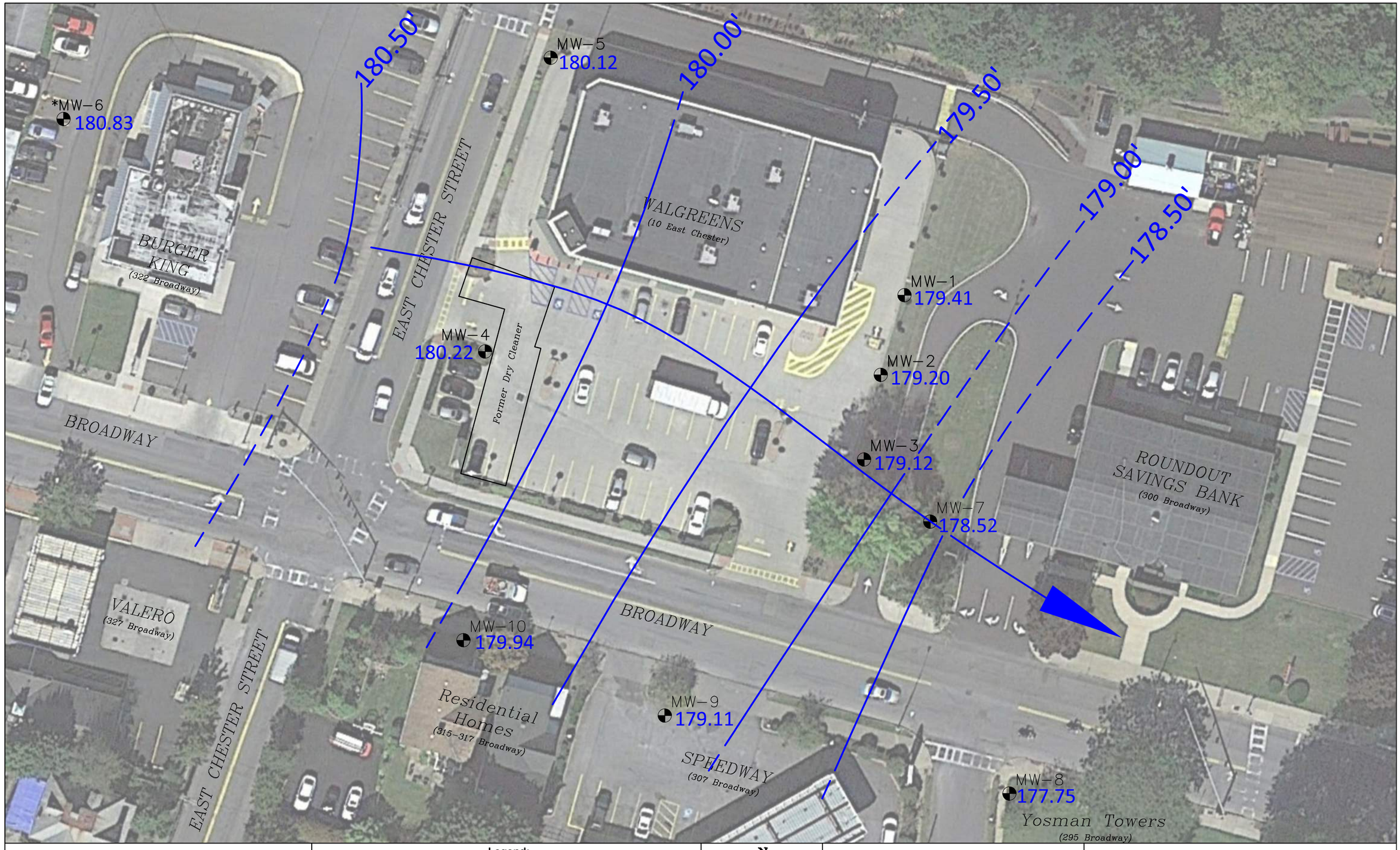
FIGURE 4

DATE: October 19, 2020 | SCALE: 1" = 40'

Groundwater Contour Map

October 19,2020

Note: Aerial Image provided by Google Earth 2020
Base Map - Brinner & Larios Survey 2020



LaBella
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Legend:

- Groundwater Contour (0.5' Interval)
- Approximate Groundwater Contour
- 179.41 - Groundwater Elevation
- Groundwater Monitoring Well
- *MW–6 - Part of an Existing Offsite Well Network

N

10 East Chester Street - Offsite
Kingston, New York
NYSDEC Site# C356032A

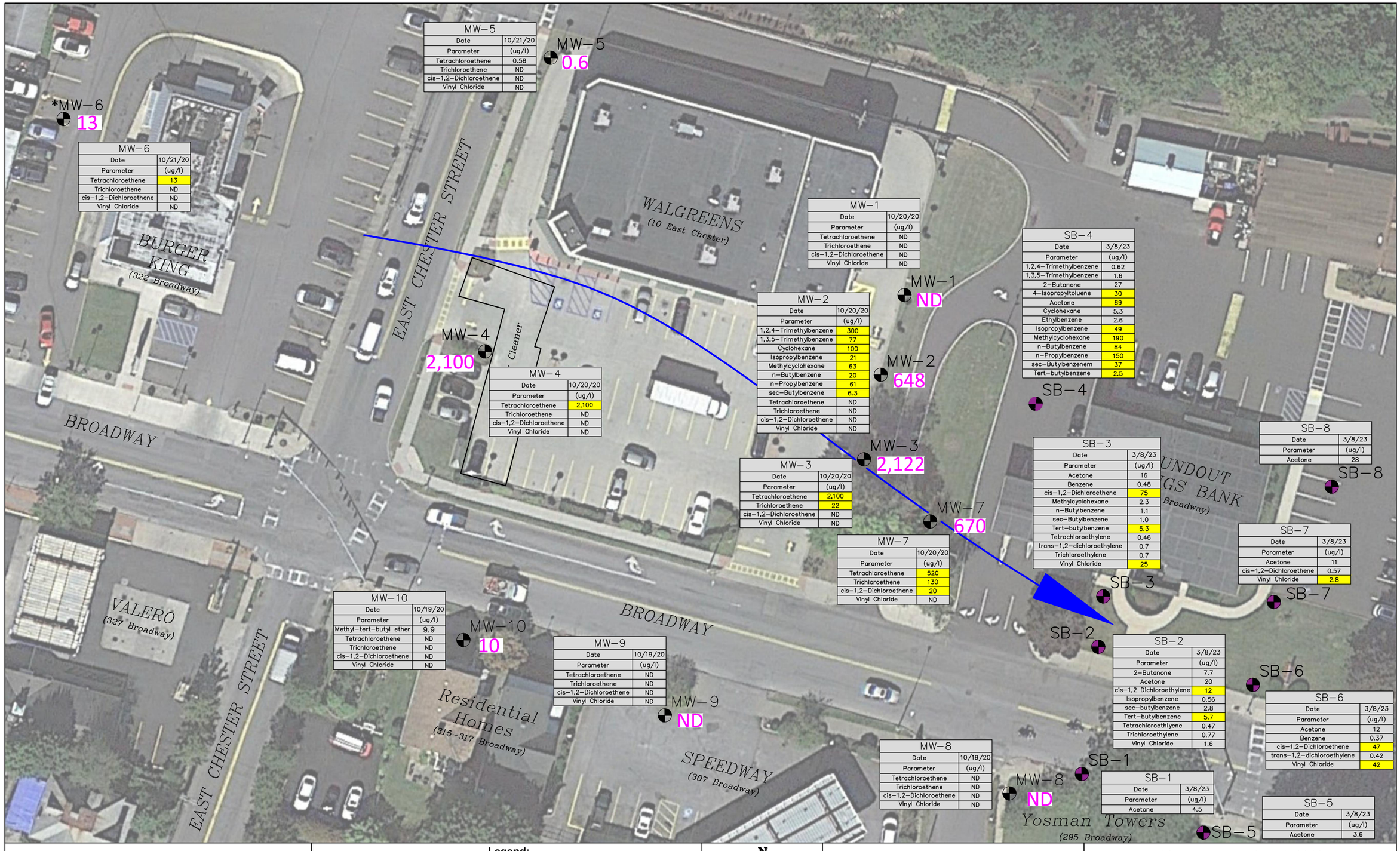
FIGURE 5

DATE: December 22, 2020 | SCALE: 1" = 40'

Groundwater Contour Map

December 22, 2020

Note: Aerial Image provided by Google Earth 2020
Base Map - Brinner & Larios Survey 2020



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Legend:

- Groundwater Monitoring Well
- *MW-6 - Part of an Existing Offsite Well Network
- Groundwater Flow Direction
- 10 - Total Concentration of Reported VOCs (October 2020)
- SB-1 - Soil Boring Location
- ND - Not Detected
- Note: Only Select VOC Compounds Presented

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10 East Chester Street - Offsite
Kingston, New York
NYSDEC Site# C356032A

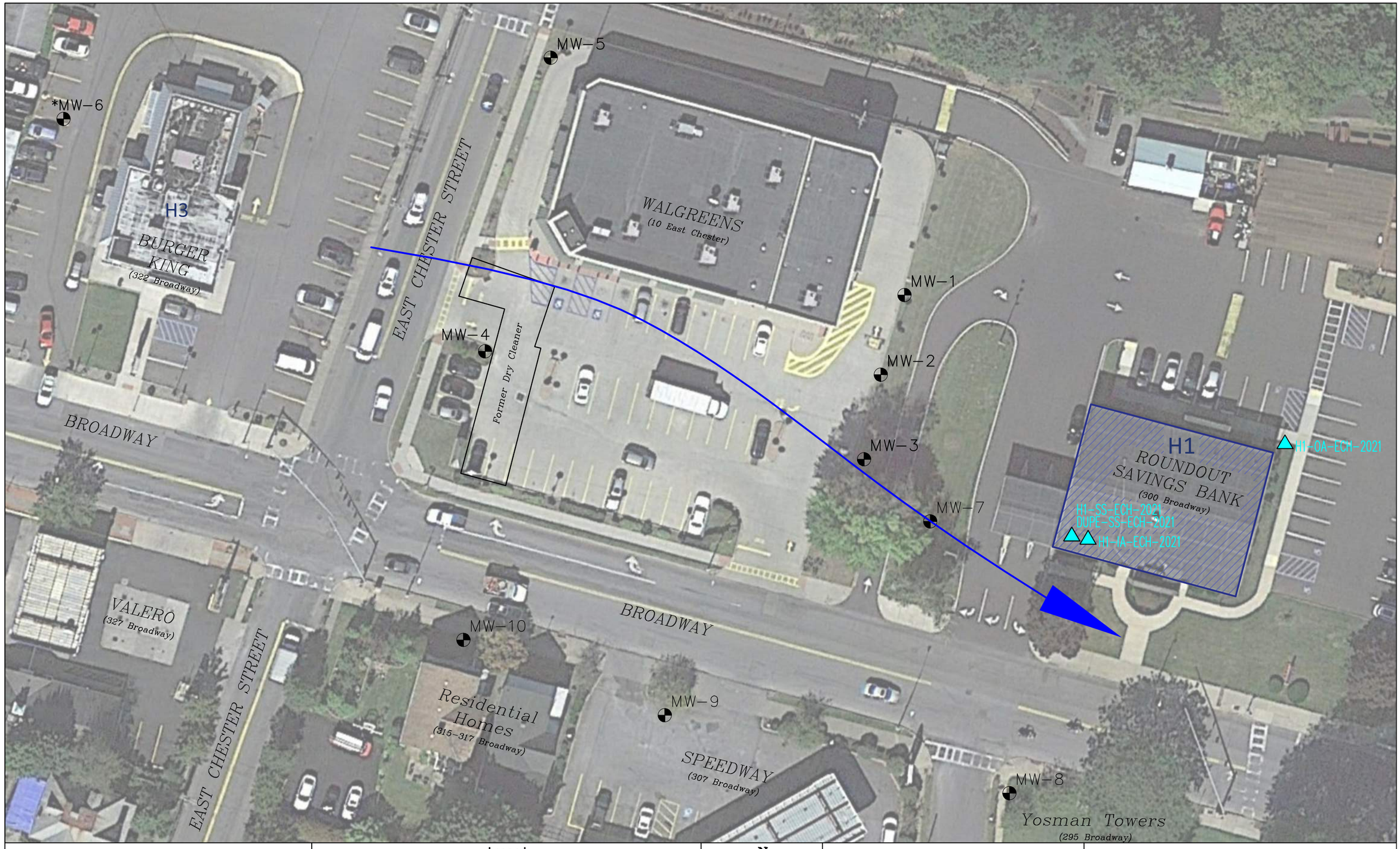
FIGURE 6

DATE: December 22, 2020 | SCALE: 1" = 40'

Groundwater VOC Concentration Map

October 2020 and March 2023

Note: Aerial Image provided by Google Earth 2020
Base Map - Brinnier & Larios Survey 2020



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Legend:

- Soil Vapor Intrusion Sample Location
- Groundwater Monitoring Well
- Groundwater Flow Direction

N
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10 East Chester Street - Offsite
Kingston, New York
NYSDEC Site# C356032A

FIGURE 7

DATE: March 2020 | SCALE: 1" = 40'

Soil Vapor Intrusion Sampling Locations

March 2021

Note: Aerial Image provided by Google Earth 2020
Base Map - Brinner & Larios Survey 2020



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Legend:

- Supplemental Offsite Soil Boring
- Pre-Existing Groundwater Monitoring Well

*MW–6 - Part of an Existing Offsite Well Network

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10 East Chester Street
Kingston, New York
NYSDEC Site# C356032A

FIGURE 8

DATE: October, 2020

SCALE: 1" = 40'

Soil Boring Map - 2023

Note: Aerial Image provided by Google Earth 2020
Base Map - Brinnier & Larios Survey 2020

TABLES

TABLE 1
Groundwater Elevations

MONITORING WELL DESIGNATION		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10
TOP OF CASING		188.72	188.41	188.29	188.06	187.62	187.60	187.66	188.14	188.62	188.64
Date		**GROUNDWATER ELEVATIONS**									
10/19/2020	DTW	9.47	9.44	9.40	8.04	7.72	7.02	9.11	11.05	9.53	8.79
	GW Elev	179.25	178.97	178.89	180.02	179.90	180.58	178.55	177.09	179.09	179.85
12/22/2021	DTW	9.31	9.21	9.17	7.84	7.50	6.77	9.14	10.39	9.51	8.70
	GW Elev	179.41	179.20	179.12	180.22	180.12	180.83	178.52	177.75	179.11	179.94

Notes:

GW Elev = Groundwater Elevation (ft.)

DTW = Depth to water (ft.)

TOC data from Brinner & Larios survey conducted 10/19/2020

TABLE 2

Final Groundwater Quality Measurements

ID	Date	Turbidity (NTU)	pH	Temperature (Celsius)	Dissolved Oxygen (mg/L)	Specific Conductivity (mS/cm)	ORP (mV)
MW-1	10/20/2020	283.0	7.20	18.47	3.18	615	29.3
MW-2	10/20/2020	15.0	7.09	20.04	1.22	321	-38.0
MW-3	10/20/2020	9.0	8.00	19.09	1.54	2978	36.9
MW-4	10/20/2020	17.0	7.32	20.17	3.48	1507	79.6
MW-5	10/21/2020	10.0	7.31	17.22	4.11	103	82.0
MW-6	10/21/2020	15.0	7.01	19.10	0.86	448	52.0
MW-7	10/20/2020	9.0	8.19	17.30	2.02	1699	5.2
MW-8	10/19/2020	7.0	7.57	16.31	1.93	985	65.2
MW-9	10/19/2020	13.0	7.63	19.19	2.85	678	64.7
MW-10	10/19/2020	9.0	7.40	16.60	0.67	1033	66.2

Notes:
All values are reported as final measurement prior to sampling
NTU - Nephelometric Turbidity Unit
mg/L - Milligrams per Liter
mS/cm - MicroSiemens per centimeter
ORP - Oxygen Reducing Potential
mV - milliVolts

TABLE 3
LABORATORY GROUNDWATER ANALYTICAL RESULTS
Volatile Organic Compounds (8260)
October 19 to 21, 2020

| Well ID | Date Sampled | Compound List - 8260 Full List | | |

TABLE 4
LABORATORY SOIL VAPOR INTRUSION ANALYTICAL RESULTS
Volatile Organic Compounds (TO-15)
March 29, 2021

Sample ID	NYSDOH Sub-Slab Vapor Concentration Decision Matrix (minimum action level) [1]	NYSDOH Indoor Air Concentration (minimum action level) [1]	NYSDOH Guidance Table C2. USEPA BASE Database - 90th Percentile [2]	H1_SS_ECH_2021	DUPE_SS_ECH_2021	H1_IA_ECH_2021	H1_OA_ECH_2021
Sample Type				Sub-Slab	Sub-Slab (duplicate)	Indoor Air	Outdoor Air
Sample Date				3/29/2021	3/29/2021	3/29/2021	3/29/2021
1,1,1-Trichloroethane	100***	3***	20.6	ND	ND	ND	ND
1,1,2,2,-Tetrachloroethane	NL	NL	NL	ND	ND	ND	ND
1,1,2-Trichloroethane	NL	NL	<1.5	ND	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	NL	NL	NL	ND	ND	ND	ND
1,1-Dichloroethane	NL	NL	<0.7	ND	ND	ND	ND
1,1-Dichloroethene	6**	0.2**	1.4	ND	ND	ND	ND
1,2,4-Trichlorobenzene	NL	NL	<6.8	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NL	NL	9.5	ND	3.3	ND	ND
1,2-Dibromoethane	NL	NL	1.5	ND	ND	ND	ND
1,2-Dichlorobenzene	NL	NL	<1.2	ND	ND	ND	ND
1,2-Dichloroethane	NL	NL	<0.9	ND	ND	ND	ND
1,2-Dichloropropane	NL	NL	<1.6	ND	ND	ND	ND
1,2-Dichlorotetrafluoroethane	NL	NL	NL	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NL	NL	3.7	ND	ND	ND	ND
1,3-Dichlorobenzene	NL	NL	<2.4	ND	ND	ND	ND
1,4-Dichlorobenzene	NL	NL	5.5	ND	ND	ND	ND
1,4-Dioxane	NL	NL	NL	ND	ND	ND	ND
2,2,4-trimethylpentane	NL	NL	NL	ND	ND	ND	ND
2-Butanone (MEK)	NL	NL	11.3	8.0	7.9	4.4	1.4
4-Methyl-2-pentanone (MIBK)	NL	NL	6.0	ND	ND	ND	ND
Benzene	NL	NL	9.4	9.5	9.6	ND	0.6
Benzyl chloride	NL	NL	<6.8	ND	ND	ND	ND
Bromodichloromethane	NL	NL	NL	ND	ND	ND	ND
Bromoform	NL	NL	NL	ND	ND	ND	ND
Bromomethane	NL	NL	<1.7	ND	ND	ND	ND
Carbon tetrachloride	6 **	0.2**	<1.3	ND	ND	ND	0.46
Chlorobenzene	NL	NL	<0.9	ND	ND	ND	ND
Chloroethane	NL	NL	<1.1	ND	ND	ND	ND
Chloroform	NL	NL	1.1	ND	2.6	ND	ND
Chloromethane	NL	NL	3.7	2.2	ND	1.7	1.4
cis-1,2-Dichloroethene	6**	0.2**	<1.9	ND	ND	ND	ND
cis-1,3-Dichloropropene	NL	NL	<2.3	ND	ND	ND	ND
Cyclohexane	NL	NL	NL	16	16	ND	ND
Dibromochloromethane	NL	NL	NL	ND	ND	ND	ND
Dichlorodifluoromethane	NL	NL	16.5	ND	ND	ND	0.91
Ethanol	NL	NL	210	3,000 E	3,000 E	3,300 E	35
Ethylbenzene	NL	NL	5.7	1.9	2.0	ND	ND
Hexachlorobutadiene	NL	NL	<6.8	ND	ND	ND	ND
Hexane	NL	NL	NL	4.3	4.3	ND	ND
Methyl tert-butyl ether	NL	NL	NL		3.9	ND	ND
Methylene chloride	100***	3***/60*	10.0	98	**130**	ND	69
m&p-Xylene	NL	NL	22.5	5.5	6.7	2.3	0.74
Napthalene	NL	NL	NL	ND	ND	ND	ND
o-Xylene	NL	NL	7.9	2.2	2.9	ND	ND
Styrene	NL	NL	1.9	ND	1.6	ND	ND
t-Butyl Alcohol	NL	NL	NL	5.1	5.1	ND	ND
Tetrachloroethene	100***	3***/30*	15.9	6.1	6.8	ND	ND
Toluene	NL	NL	43.0	13	14	4.4	1.5
trans-1,2-Dichloroethene	NL	NL	NL	ND	ND	ND	ND
trans-1,3-Dichloropropene	NL	NL	<1.3	ND	ND	ND	ND
Trichloroethene	6**	0.2**/2*	4.2	ND	ND	ND	ND
Trichlorofluoromethane	NL	NL	18.1	7.2	7.4	6.3	1.2
Vinyl chloride	6****	NL	<1.9	0.34	0.34	ND	ND

Notes:

Concentrations in micrograms per cubic meter (ug/m^3)
NL = not listed
J = estimated concentration
E = exceed calibration range
Samples analyzed for VOCs by USEPA Method TO-15
< indicates the concentration was not detected above the reporting limit

(1) *New York State Department of Health (NYSDOH), Guidance for Evaluating Soil Vapor Intrusion in the State of New York* , October 2006 and subsequent updates. [Note: This Guidance uses a combination of indoor air and sub-slab soil vapor when comparing to the matrices. In addition, for compounds not listed in the matrices an overall site approach is employed which utilizes the USEPA BASE Database (see 2. below) as typical background for commercial buildings and also uses the outdoor air sample, refer to Guidance document for details.]

(2) USEPA Building Assessment and Survey Evaluation (BASE) Database (90th Percentile). As recommended in Section 3.2.4 of the NYSDOH Guidance (Refer to Footnote "1") this database is referenced for the indoor air sampling results. This database is also referenced to provide initial benchmarks for comparison to the air sampling data and does not represent regulatory standards or compliance values.

***** = Air Guideline Values obtained from Table 3.1, NYSDOH, Guidance for Evaluating Soil Vapor Intrusion in the State of New York and updates in September 2013 for PCE and August 2015 for TCE.

****** = Guideline Value obtained from Soil Vapor/Indoor Air Matrix A (minimum action level), NYSDOH, Guidance for Evaluating Soil Vapor Intrusion in the State of New York May 2017.

******* = Guidance Value obtained from Soil Vapor/Indoor Air Matrix B (minimum action level), NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York May 2017.

******** = Guidance Value obtained from Soil Vapor/Indoor Air Matrix C (minimum action level), NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York May 2017.

***NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York* , May 2017 Decision Matrices Notes:**

NO FURTHER ACTION:

No additional actions are recommended to address human exposures

IDENTIFY SOURCE(S) AND RESAMPLE OR MITIGATE:

We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab

MONITOR:

We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommend to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building-, and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

MITIGATE:

We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

TABLE 5
LABORATORY GROUNDWATER ANALYTICAL RESULTS
Volatile Organic Compounds (8260)
March 8, 2023

| Well ID | Date Sampled | Compound List - 8260 Full List | | |

ATTACHMENT - A

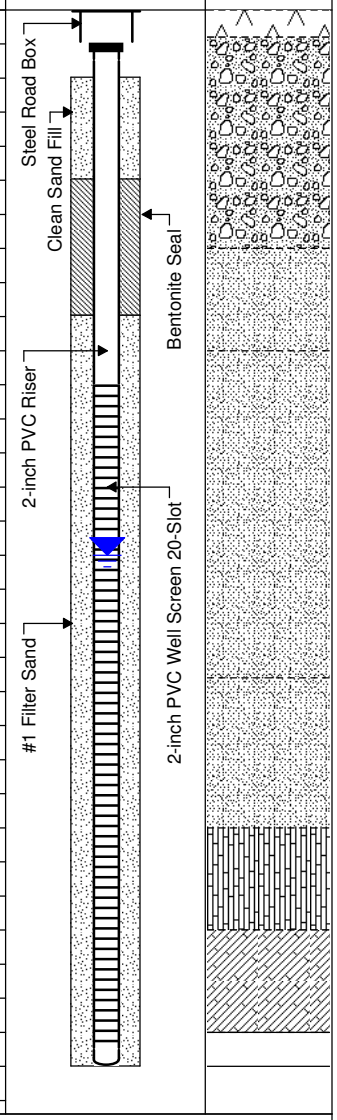
Soil Boring and Well Completion Logs

Aztech Environmental
TECHNOLOGIES
A LaBella Company

Boring Log: MW-7

Project: 10 East Chester - Offsite	Boring ID: MW-7	Screen Length: 10'
Client: NYSDEC	Casing Elevation: NA	Diameter: 2"
Location: 10 East Chester, Kingston, NY	Total Depth: 15.3'	PVC Type: Schedule 40
Drilling Co.: Parratt Wolff	Water Table Elevation: ~8	Slot Size: 0.020"
Driller: Eric Edelstein	Start Date: 9/29/2020	Casing Length: 5.5
Method: Direct Push/HSA	End Date: 9/29/2020	Diameter: 2"

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Recovery / Penetration (")	Description
0					Grass and Topsoil
1					Brown, medium to fine SAND and broken asphalt, some Gravel, dense, moist, no odor.
2					
3	MC-1	0' - 5'	0.1	50"	
4					Brown, fine to medium SAND, little gravel, trace silt, medium dense, moist, no odor.
5					
6			0.0		Brown, medium to fine SAND, loose, moist to wet, no odor to slight petroleum odor at water table.
7					
8	MC-2	5' - 10'	5.1	60"	Water Table Observed at ~8 fbg.
9					
10			1,162		Black, medium to fine SAND, loose, wet, strong petroleum odor.
11			1,056		
12					Brown to gray, SILT and fine SAND, some Clay, firm, wet, petroleum odor.
13	MC-3	10' - 15'	10	60"	
14					Gray, SILT and CLAY, firm, moist, no odor.
15					Boring sampling terminated at 15 fbg. During well installation the borehole was advanced to 15.5 bg.
16					



Notes:

HC -Hand Cleared
MC - Macro-core
NA - Not Available
* - Denotes Sample collected for laboratory analysis
fbg - feet below grade

PID - photoionization detector
ppmv - parts per million by volume
' - feet

Logged by: Thomas Giamichael

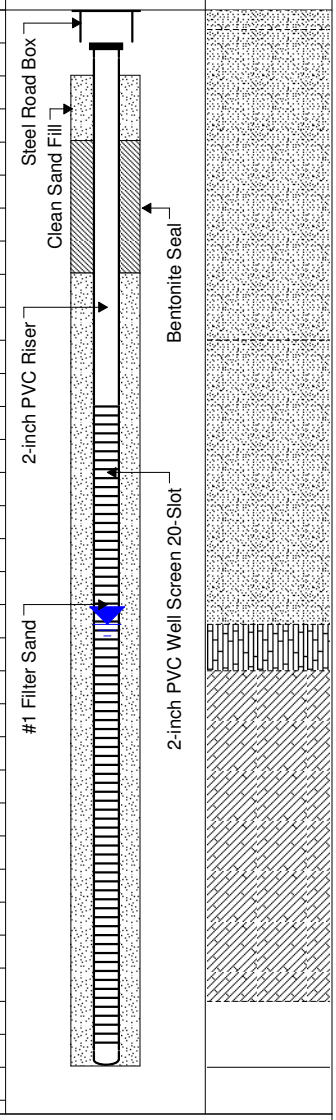
Aztech Environmental Technologies, Inc.
5 McCrea Hill Road, New York 12020
Phone: (518) 885-5383 Fax: (518) 885-

Boring Log: MW-8

Aztech Environmental Technologies
A LaBella Company

Project: 10 East Chester - Offsite	Boring ID: MW-8	Screen Length: 10'
Client: NYSDEC	Casing Elevation: NA	Diameter: 2"
Location: 10 East Chester, Kingston, NY	Total Depth: 16'	PVC Type: Schedule 40
Drilling Co.: Parratt Wolff	Water Table Elevation: ~9.3'	Slot Size: 0.020"
Driller: Eric Edelstein	Start Date: 9/29/2020	Casing Length: 6
Method: Direct Push/HSA	End Date: 9/29/2020	Diameter: 2"

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Recovery / Penetration (")	Description
0					Grass and Topsoil
1					Brown, medium to fine SAND, loose, moist, no odor.
2	MC-1	0' - 5'	0.0	50"	
3					
4					
5					Brown, medium to fine SAND, little silt, loose, moist to wet, no odor.
6					Water Table Observed at 9.3 fbg.
7	MC-2	5' - 10'	0.0	60"	
8					
9					Brown to gray, fine SAND and SILT, some Clay, firm, wet, no odor.
10					Gray, SILT, little clay, trace fine sand, medium stiff, wet, no odor.
11					
12	MC-3	10' - 15'	0.0	60"	
13					
14					
15					
16					Boring sampling terminated at 15 fbg. During well installatoion the borehole was advanced to 16 fbg.



Notes:

HC -Hand Cleared
MC - Macro-core
NA - Not Available
* - Denotes Sample collected for laboratory analysis
fbg - feet below grade

PID - photoionization detector
ppmv - parts per million by volume
' - feet

Logged by: Thomas Giamichael

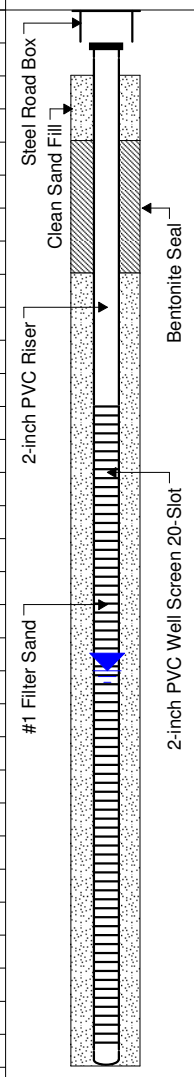
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Phone: (518) 885-5383 Fax: (518) 885-

Boring Log: MW-9

Aztech Environmental Technologies
A LaBella Company

Project: 10 East Chester - Offsite	Boring ID: MW-9	Screen Length: 10'
Client: NYSDEC	Casing Elevation: NA	Diameter: 2"
Location: 10 East Chester, Kingston, NY	Total Depth: 16'	PVC Type: Schedule 40
Drilling Co.: Parratt Wolff	Water Table Elevation: ~10'	Slot Size: 0.020"
Driller: Eric Edelstein	Start Date: 9/28/2020	Casing Length: 6
Method: Direct Push/HSA	End Date: 9/28/2020	Diameter: 2"

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Recovery / Penetration (")	Description
1-6	HC	0' - 6'	0.0	HC	Hand clear borehole to 6 fbg. Brown, fine to medium SAND, loose, dry, no odor.
6-11	MC-1	6' - 11'	0.2	20"	Brown, fine to medium SAND, trace silt, moist to wet. Water Table Observed at ~10 fbg. Brown, fine to medium SAND, little silt, loose, wet, no odor.
11-16	MC-2	11' - 16'	0.0	40"	Gray, fine SAND and SILT, little clay, firm, moist, no odor.
16					Boring terminated at 16 fbg.



Notes:

HC -Hand Cleared
MC - Macro-core
NA - Not Available
* - Denotes Sample collected for laboratory analysis
fbg - feet below grade

PID - photoionization detector
ppmv - parts per million by volume
' - feet

Logged by: Thomas Giamichael

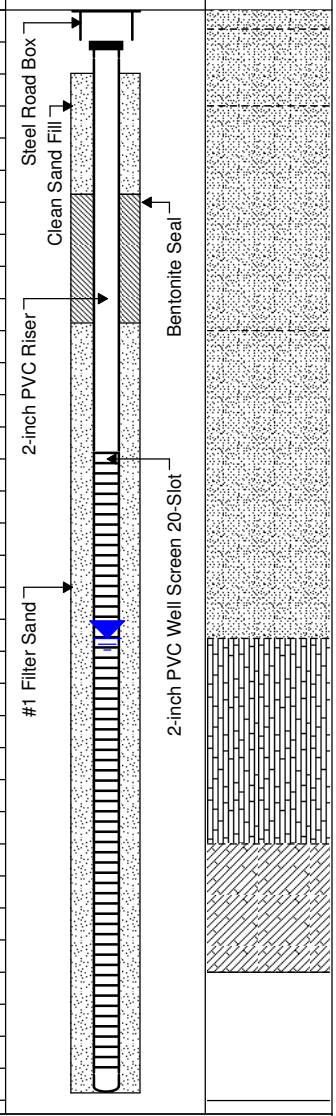
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Boring Log: MW-10

Aztech Environmental Technologies
A LaBella Company

Project: 10 East Chester - Offsite	Boring ID: MW-10	Screen Length: 10'
Client: NYSDEC	Casing Elevation: NA	Diameter: 2"
Location: 10 East Chester, Kingston, NY	Total Depth: 16.9'	PVC Type: Schedule 40
Drilling Co.: Parratt Wolff	Water Table Elevation: ~9.8'	Slot Size: 0.020"
Driller: Eric Edelstein	Start Date: 9/29/2020	Casing Length: 6.9
Method: Direct Push/HSA	End Date: 9/29/2020	Diameter: 2"

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Recovery / Penetration (")	Description
0					Grass and Topsoil
1					Brown, medium to fine SAND, loose, moist, no odor.
2	MC-1	0' - 5'	0.0	18"	Brown. medium SAND, little fine sand, loose, moist, no odor
3					
4					
5					Brown, medium SAND, little fine sand, loose, moist to wet, no odor.
6					Water Table Observed at 9.8 fbg.
7	MC-2	5' - 10'	0.1	50"	
8					
9					
10					Brown to gray, fine SAND and SILT, little clay, soft, wet, no odor.
11					
12	MC-3	10' - 15'	0.8	60"	
13					Gray, SILT and CLAY, some fine sand, firm, moist, no odor.
14					
15					Boring sampling terminated at 15 fbg. During well installation the borehole was advanced to 16.9 bg.
16					
17					



Notes:

HC -Hand Cleared
MC - Macro-core
NA - Not Available
* - Denotes Sample collected for laboratory analysis
fbg - feet below grade

PID - photoionization detector
ppmv - parts per million by volume
' - feet

Logged by: Thomas Giamichael

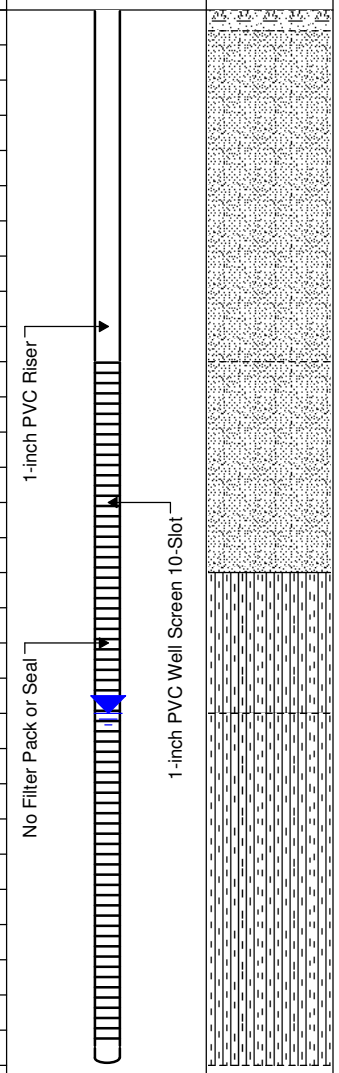
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Boring Log: SB-1

Aztech Environmental Technologies
A LaBella Company

Project: 10 East Chester - Offsite	Boring ID: SB-1	Screen Length: 10'
Client: NYSDEC	Casing Elevation: NA	Diameter: 1"
Location: 10 East Chester, Kingston, NY	Total Depth: 15'	PVC Type: Schedule 40
Drilling Co.: Clean Globe Environmental	Water Table Elevation: ~10'	Slot Size: 0.010"
Driller: Mario	Start Date: 3/8/2023	Casing Length: 5'
Method: Direct Push	End Date: 3/8/2023	Diameter: 1"

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Recovery / Penetration (")	Description
0					Grass and sod. moist, no odor.
1					Brown, fine to medium SAND, loose, moist, no odor.
2	MC-1	0' - 5'	0.0	30"	
3					
4					
5					Brown, fine to medium SAND, little silt, loose, moist, no odor.
6					
7	MC-2	5' - 10'	0.0	48"	
8					Brown, SILT and CLAY, firm, moist, no odor.
9					
10					Gray, SILT and CLAY, medium to soft stiffness, wet, no odor.
11					Water Table Observed at ~10 fbg.
12	MC-3	10' - 15'	0.0	48"	
13					
14					
15					Boring terminated at 15 fbg.



Notes:

HC -Hand Cleared
MC - Macro-core
NA - Not Available
* - Denotes Sample collected for laboratory analysis
fbg - feet below grade

PID - photoionization detector
ppmv - parts per million by volume
' - feet

Logged by: Thomas Giamichael

Aztech Environmental Technologies, Inc.
5 McCrea Hill Road, New York 12020
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Boring Log: SB-2

Aztech Environmental Technologies
A LaBella Company

Project: 10 East Chester - Offsite	Boring ID: SB-2	Screen Length: 10'
Client: NYSDEC	Casing Elevation: NA	Diameter: 1"
Location: 10 East Chester, Kingston, NY	Total Depth: 15'	PVC Type: Schedule 40
Drilling Co.: Clean Globe Environmental	Water Table Elevation: ~9'	Slot Size: 0.010"
Driller: Mario	Start Date: 3/8/2023	Casing Length: 5'
Method: Direct Push	End Date: 3/8/2023	Diameter: 1"

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Recovery / Penetration (")	Description
0					Grass and sod. moist, no odor.
1					Brown, coarse to fine SAND, some Silt, firm,moist, no odor.
2					Asphalt fragments
	MC-1	0' - 5'	0.0	34"	Brown, fine to medium SAND, little fine gravel, trace silt, moist, no odor.
3					
4					
5					Brown, fine to medium SAND, loose, moist to wet, no odor.
6					Water Table Observed at ~9 fbg.
7	MC-2	5' - 10'	0.0	42"	
8					
9					
10			3.5		Brown, fine to medium SAND, loose, wet, slight petroleum/solvent odor.
11			1,451		Dark gray to black, fine to coarse SAND, loose, wet, strong petroleum/solvent odor.
12			4.8		Brown, SILT and CLAY, little fine sand, moist, slight petroleum/solvent odor.
	MC-3	10' - 15'		60"	
13			0.0		Dark gray, SILT and CLAY, firm, moist, no odor.
14					
15					Boring terminated at 15 fbg.

Well Construction: 1-inch PVC Riser; No Filter Pack or Seal; 1-inch PVC Well Screen 10-Slot

Lithology

Notes:

HC -Hand Cleared
MC - Macro-core
NA - Not Available
* - Denotes Sample collected for laboratory analysis
fbg - feet below grade

PID - photoionization detector
ppmv - parts per million by volume
' - feet

Logged by: Thomas Giamichael

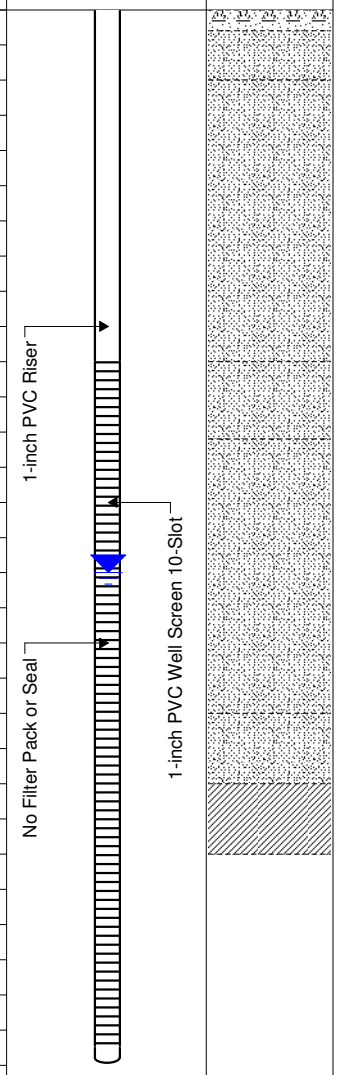
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Aztech Environmental
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Boring Log: SB-3

Project: 10 East Chester - Offsite	Boring ID: SB-3	Screen Length: 10'
Client: NYSDEC	Casing Elevation: NA	Diameter: 1"
Location: 10 East Chester, Kingston, NY	Total Depth: 15'	PVC Type: Schedule 40
Drilling Co.: Clean Globe Environmental	Water Table Elevation: ~8'	Slot Size: 0.010"
Driller: Mario	Start Date: 3/8/2023	Casing Length: 5'
Method: Direct Push	End Date: 3/8/2023	Diameter: 1"

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Recovery / Penetration (")	Description
0					Grass and sod. moist, no odor.
1					Brown, coarse to fine SAND, little Silt, firm,moist, no odor.
2					Brown to gray, fine to coarse SAND, little silt, moist, no odor.
3	MC-1	0' - 5'	0.0	32"	
4					
5			0.0		Brown to gray, fine to coarse SAND, little silt, moist, no odor.
6			3.1		Brown, fine to medium SAND, loose, moist to wet, no odor.
7					Rock fragment in sampler tip.
8	MC-2	5' - 10'		36"	Water Table Observed at ~8 fbg.
9					
10					Brown, fine to medium SAND, loose, wet, no odor.
11					Brown, SILT and CLAY, moist, no odor.
12					Brick fragment in sampler tip.
13	MC-3	10' - 15'	0.0	24"	
14					
15					Boring terminated at 15 fbg.



Notes:

HC -Hand Cleared
MC - Macro-core
NA - Not Available
* - Denotes Sample collected for laboratory analysis
fbg - feet below grade

PID - photoionization detector
ppmv - parts per million by volume
' - feet

Logged by: Thomas Giamichael

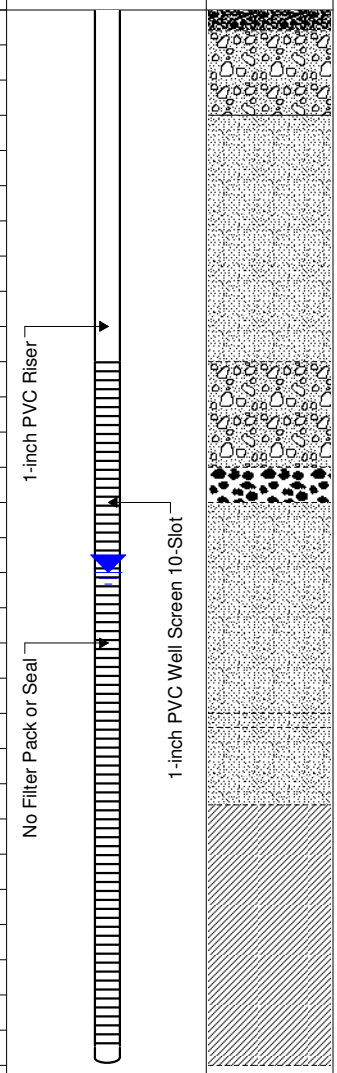
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Boring Log: SB-4

Project: 10 East Chester - Offsite	Boring ID: SB-4	Screen Length: 10'
Client: NYSDEC	Casing Elevation: NA	Diameter: 1"
Location: 10 East Chester, Kingston, NY	Total Depth: 15'	PVC Type: Schedule 40
Drilling Co.: Clean Globe Environmental	Water Table Elevation: ~8'	Slot Size: 0.010"
Driller: Mario	Start Date: 3/8/2023	Casing Length: 5'
Method: Direct Push	End Date: 3/8/2023	Diameter: 1"

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Recovery / Penetration (")	Description
0					Asphalt.
1					Gray, crushed GRAVEL subbase material. no odor.
2					Brown, fine to coarse SAND, little gravel and brick debris, moist, no odor.
3	MC-1	0' - 5'	0.0	48"	
4					
5					Brown, fine to medium SAND, little silt, moist, no odor.
6					
7					Broken cobble fragments Light brown, fine to medium SAND, wet, no odor.
8	MC-2	5' - 10'	0.0	34"	Water Table Observed at ~8 fbg.
9					
10			3.2		Light brown, fine to medium SAND, wet, slight petroleum/solvent odor.
11			1,333		Dark gray to black, fine to coarse SAND, little silt, loose, wet, strong petroleum/solvent odor, sheen on soil.
12	MC-3	10' - 15'	4.6 0.0	60"	Dark gray, SILT and CLAY, firm, moist, slight to no odor.
13					
14					
15					Boring terminated at 15 fbg.



Notes:

HC -Hand Cleared
MC - Macro-core
NA - Not Available
* - Denotes Sample collected for laboratory analysis
fbg - feet below grade

PID - photoionization detector
ppmv - parts per million by volume
' - feet

Logged by: Thomas Giamichael

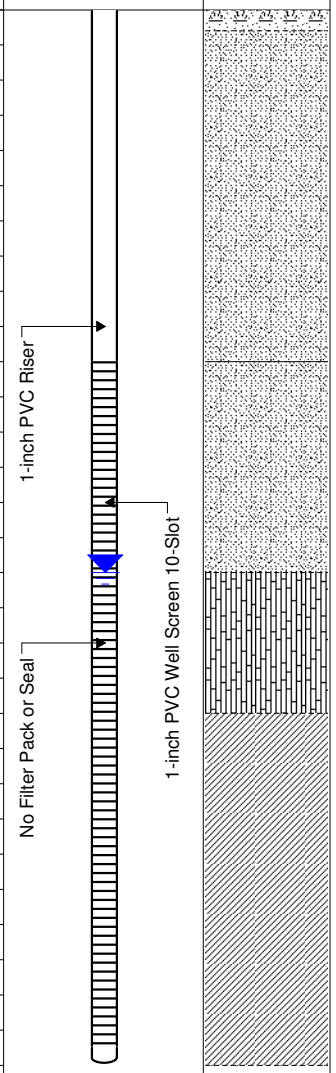
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Boring Log: SB-5

Project: 10 East Chester - Offsite	Boring ID: SB-5	Screen Length: 10'
Client: NYSDEC	Casing Elevation: NA	Diameter: 1"
Location: 10 East Chester, Kingston, NY	Total Depth: 15'	PVC Type: Schedule 40
Drilling Co.: Clean Globe Environmental	Water Table Elevation: ~8'	Slot Size: 0.010"
Driller: Mario	Start Date: 3/8/2023	Casing Length: 5'
Method: Direct Push	End Date: 3/8/2023	Diameter: 1"

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Recovery / Penetration (")	Description
0					Grass and Sod, some fine gravel.
1					Brown, fine to coarse SAND, loose, moist, no odor.
2	MC-1	0' - 5'	0.0	30"	
3					
4					
5					Brown, fine to coarse SAND, loose, moist, no odor.
6					Water Table Observed at ~8 fbg.
7	MC-2	5' - 10'	0.0	48"	
8					Brown, SILT and fine SAND, some Clay, firm, wet, no odor.
9					
10					Gray, SILT and CLAY, medium stiff, moist, no odor.
11					
12	MC-3	10' - 15'	0.0	36"	
13					
14					
15					Boring terminated at 15 fbg.



Notes:

HC -Hand Cleared
MC - Macro-core
NA - Not Available
* - Denotes Sample collected for laboratory analysis
fbg - feet below grade

PID - photoionization detector
ppmv - parts per million by volume
' - feet

Logged by: Thomas Giamichael

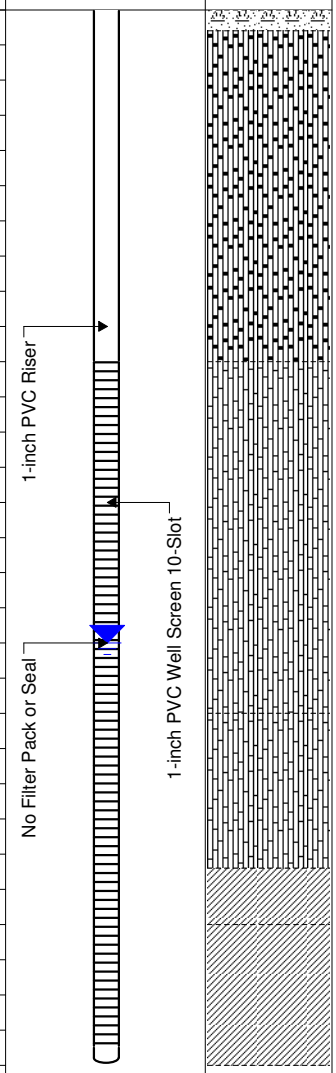
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Boring Log: SB-6

Aztech Environmental Technologies
A LaBella Company

Project: 10 East Chester - Offsite	Boring ID: SB-6	Screen Length: 10'
Client: NYSDEC	Casing Elevation: NA	Diameter: 1"
Location: 10 East Chester, Kingston, NY	Total Depth: 15'	PVC Type: Schedule 40
Drilling Co.: Clean Globe Environmental	Water Table Elevation: ~9'	Slot Size: 0.010"
Driller: Mario	Start Date: 3/8/2023	Casing Length: 5'
Method: Direct Push	End Date: 3/8/2023	Diameter: 1"

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Recovery / Penetration (")	Description
0					Grass and Sod.
1-5	MC-1	0' - 5'	0.0	24"	Brown, fine to coarse SAND, some Silt, little fine gravel, trace clay, dense, moist, no odor.
5-10	MC-2	5' - 10'	0.0	48"	Brown, fine to coarse SAND, trace silt, loose, moist to wet, no odor. Water Table Observed at ~9 fbg.
10-12	MC-3	10' - 15'	0.0	54"	Brown, fine to coarse SAND, trace silt, loose,wet, no odor.
12-13					Brown, SILT and CLAY, firm, moist, no odor.
13-15					Gray, SILT and CLAY, soft, moist to wet, no odor. Boring terminated at 15 fbg.



Notes:

HC -Hand Cleared
MC - Macro-core
NA - Not Available
* - Denotes Sample collected for laboratory analysis
fbg - feet below grade

PID - photoionization detector
ppmv - parts per million by volume
' - feet

Logged by: Thomas Giamichael

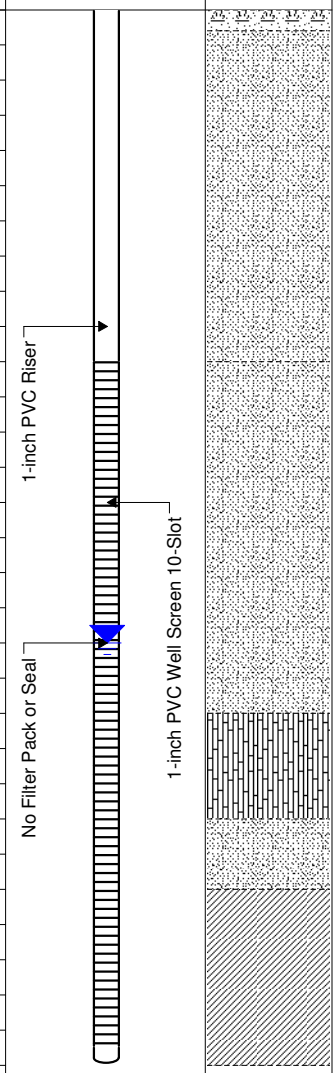
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A LaBella Company

Boring Log: SB-7

Project: 10 East Chester - Offsite	Boring ID: SB-7	Screen Length: 10'
Client: NYSDEC	Casing Elevation: NA	Diameter: 1"
Location: 10 East Chester, Kingston, NY	Total Depth: 15'	PVC Type: Schedule 40
Drilling Co.: Clean Globe Environmental	Water Table Elevation: ~9'	Slot Size: 0.010"
Driller: Mario	Start Date: 3/8/2023	Casing Length: 5'
Method: Direct Push	End Date: 3/8/2023	Diameter: 1"

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Recovery / Penetration (")	Description
0					Grass and Sod.
1					Brown, fine to coarse SAND, trace fine gravel, dense, moist, no odor.
2					
3	MC-1	0' - 5'	0.0	42"	
4					
5					Brown, fine to coarse SAND, loose, moist to wet, no odor.
6					
7					Water Table Observed at ~9 fbg.
8	MC-2	5' - 10'	0.0	48"	
9					
10					Brown, fine to coarse SAND, little silt, dense, wet, no odor.
11					
12					Brown, coarse to fine SAND, very loose, wet, no odor.
13	MC-3	10' - 15'	0.0	48"	Brown to gray, SILT and CLAY, trace fine sand, firm, moist, no odor.
14					
15					Boring terminated at 15 fbg.



Notes:

HC -Hand Cleared
MC - Macro-core
NA - Not Available
* - Denotes Sample collected for laboratory analysis
fbg - feet below grade

PID - photoionization detector
ppmv - parts per million by volume
' - feet

Logged by: Thomas Giamichael

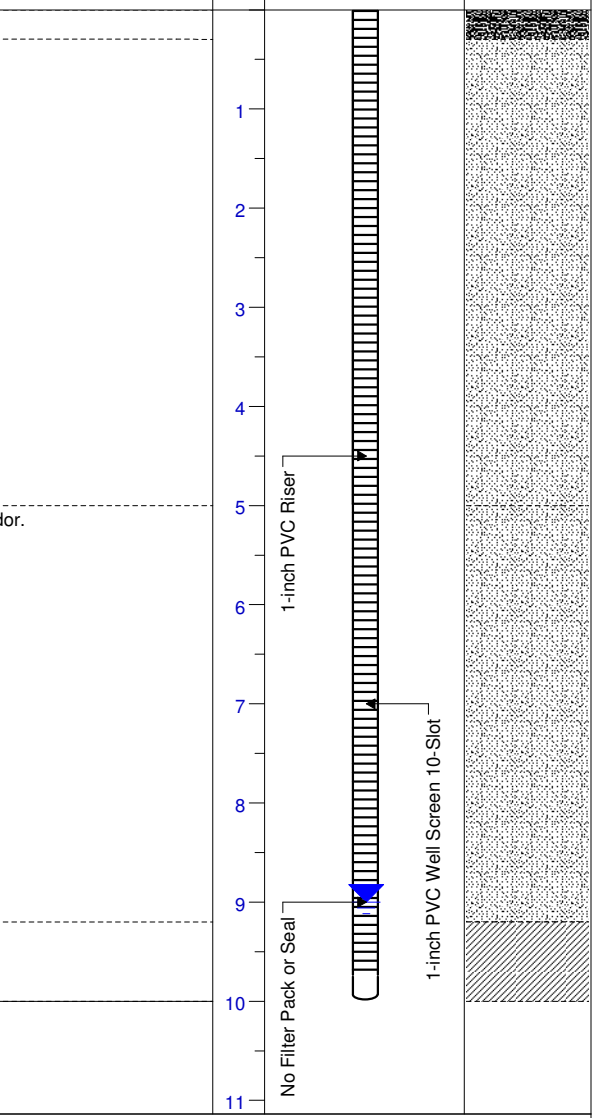
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Boring Log: SB-8

Aztech Environmental Technologies
A LaBella Company

Project: 10 East Chester - Offsite	Boring ID: SB-8	Screen Length: 10'
Client: NYSDEC	Casing Elevation: NA	Diameter: 1"
Location: 10 East Chester, Kingston, NY	Total Depth: 15'	PVC Type: Schedule 40
Drilling Co.: Clean Globe Environmental	Water Table Elevation: ~9'	Slot Size: 0.010"
Driller: Mario	Start Date: 3/8/2023	Casing Length: NA
Method: Direct Push	End Date: 3/8/2023	Diameter: 1"

Depth (Feet)	Sample ID	Sample Interval (feet)	PID Headspace (ppmv)	Recovery / Penetration (")	Description
0					Asphalt.
					Brown, fine to medium SAND, little silt, moist, no odor.
1					
2					
	MC-1	0' - 5'	0.0	60"	
3					
4					
5					Brown, fine to coarse SAND, loose, moist to wet, no odor.
					Water Table Observed at ~9 fbg.
6					
7					
	MC-2	5' - 10'	0.0	60"	
8					
9					
					Brown to gray, SILT and CLAY, firm, moist, no odor.
10					
11					



Notes:

HC -Hand Cleared
MC - Macro-core
NA - Not Available
* - Denotes Sample collected for laboratory analysis
fbg - feet below grade

PID - photoionization detector
ppmv - parts per million by volume
' - feet

Logged by: Thomas Giamichael

Aztech Environmental Technologies, Inc.
5 McCrea Hill Road, New York 12020
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ATTACHMENT - B

Photographic Record

Date: Sept. 28, 2020 **Direction:** Northwest **Subject:** Setting up to saw cut pavement and advance MW-9. Location at offsite Speedway property.	

Date: Sept 28, 2020 **Direction:** Northwest **Subject:** Parratt Wolff advancing borehole at location MW-9.	

Date:
Sept. 29, 2020

Direction:
East

Subject:
Advancing MW-8. Offsite location in ROW near Yosman Towers.



Date:
Sept. 29, 2020

Direction:
West

Subject:
Advancing MW-10. Offsite location on residential property directly across the street from site.



Date:
Sept. 29, 2020

Direction:
Southwest

Subject:
Advancing MW-7, located offsite at Rondout Savings Bank



Date:
Sept 29, 2020

Direction:
NA

Subject:
View of soil sample showing small band of impacted soil at MW-7.



Date:
Sept. 29, 2020

Direction:
NA

Subject:
Recovered samples showing typical transition from sand into silty clay.



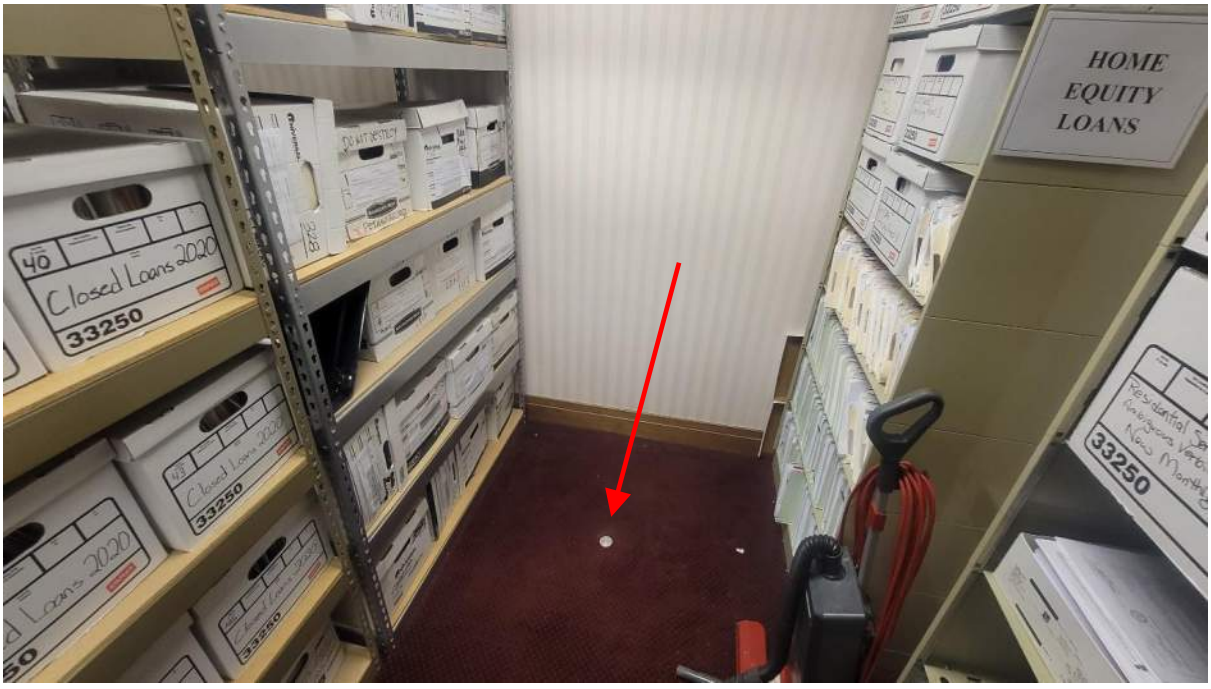
Date:
Oct. 19, 2020

Direction:
NA

Subject:
Typical Low-Flow groundwater sampling setup. View of MW-9.



Date: March 29, 2021 **Direction:** South **Subject:** View of outdoor air summa canister setup at Offsite Rondout Bank Property (H1).	

Date: June 17, 2021 **Direction:** Southeast **Subject:** View of Vapor Pin® for sub-slab sampling in Rondout bank (H1).	

Date: March 8, 2023 **Direction:** North **Subject:** Drilling SB-4, which contained the highest concentration of VOCs during the investigation.	

Date: March 8, 2023 **Direction:** NA **Subject:** View of impacted layer of soil within SB-4.	

Date: March 8, 2023 **Direction:** West **Subject:** Clean Globe Drilling cleaning the sample tooling between borings.	

Date: March 8, 2023 **Direction:** North **Subject:** View of temporary monitoring well set at SB-3 to facilitate groundwater sample collection.	

Date: March 8, 2023 **Direction:** West **Subject:** View of drilling SB-1 in the city of Kingston ROW.	

Date: March 8, 2023 **Direction:** East **Subject:** View of drilling SB-5 within the City ROW. This was the most down-gradient offsite boring.	

ATTACHMENT - C

Water Quality Field Parameters Sampling Record

Site Name: 10 E. Chester

Site Location:

Sample By: T. Gi

Well ID: MW-1

Date: 10/20/10

Weather: [illegible]

Pumping Equipment: Pe

Decon Method:

Well Information:

Flush Mount or Riser:

Measuring Point:

Elevation:

Riser Diameter:

Calculation:

Dia. Well	Gal/ft
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Time	Volume Removed (Gal.)	Turbidity (NTU)	pH	Temperature (F)	Dissolved 02 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water (ft.)	Pumping Rate
—	—	—	—	—	—	—	—	9.52	
[illegible]	[illegible]	70	7.41	[illegible]	[illegible]	[illegible]	[illegible]	10.15	
[illegible]	[illegible]	48	7.[illegible]	18.57	[illegible]	[illegible]	11.[illegible]	[illegible]	
[illegible]	1.2	50	7.05	[illegible]	[illegible]	[illegible]	15.[illegible]	11.05	
[illegible]	1.5	68	7.15	18.71	[illegible]	603	13.7	[illegible]	
18.43	1.8	281	7.21	18.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	1.9	279	7.20	18.46	3.19	614	30.2	11.59	
[illegible]	2.0	28[illegible]	7.19	18.47	[illegible]	616	29.1	11.59	
*	2.1	28[illegible]	7.20	18.47	3.13	615	29.3	11.60	

Site Name: 10 E. Chester	Well ID: MW-2
Site Location:	Date: 10/20/20
Sample By: T. Gin	Weather: overcast 71°
	Pumping Equipment: Peri
Well Information:	Decon Method:
Flush Mount or Riser:	
Measuring Point:	
Elevation:	
Riser Diameter: 2"	
Calculation:	

Dia. Well	Gal/ft
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Time	Volume Removed (Gal.)	Turbidity (NTU)	pH	Temperature (F)	Dissolved 02 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water (ft.)	Pumping Rate
—	—	—	—	—	—	—	—	9.50	
10:35	0.2	32	7.12	19.99	1.84	603	-11.1	9.80	
10:45	0.9	16	7.05	19.96	1.12	472	-20.4	9.75	
10:55	1.4	18	7.29	20.02	1.20	398	-31.1	9.73	
11:05	2.0	16	7.44	20.02	1.20	346	-35.8	9.73	
11:15	2.4	15	7.08	20.05	1.22	327	-37.5	9.73	
11:20	2.7	15	7.09	20.04	1.21	322	-37.9	9.73	
11:25	2.9	15	7.09	20.04	1.22	321	-38.0	9.73	

Site Name: 10 E. Chester

Site Location:

Sample By: T. G.

Well Information:

Flush Mount or Riser:

Measuring Point:

Elevation:

Riser Diameter: 2"

Calculation:

Well ID: MW-3

Date: 10/20/20

Weather: cloud / 70°

Pumping Equipment: P.I.

Decon Method:

Dia. Well	Gal/ft
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Time	Volume Removed (Gal.)	Turbidity (NTU)	pH	Temperature (F)	Dissolved 02 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water (ft.)	Pumping Rate
—	—	—	—	—	—	—	—	9.42	
[illegible]	0.1	418	8.17	18.0°	9.35	[illegible]	47.5	9.51	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	1.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	-34.5	9.52	
[illegible]	1.[illegible]	9	[illegible]	17.06	.58	[illegible]	[illegible]	[illegible]	
[illegible]	1.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	2.[illegible]	9	[illegible]	[illegible]	[illegible]	2973	[illegible]	9.54	

Site Name: 10 E. Clark

Site Location:

Sample By: T. Gi

Well ID: MW-4

Date: 10/20/20

Weather: cloudy 70°

Pumping Equipment: Peri

Decon Method:

Well Information:

Flush Mount or Riser:

Measuring Point:

Elevation:

Riser Diameter: 2"

Calculation:

Dia. Well	Gal/ft
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Time	Volume Removed (Gal.)	Turbidity (NTU)	pH	Temperature (F)	Dissolved 02 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water (ft.)	Pumping Rate
—	—	—	—	—	—	—	—	8.09	—
13:20	0.05	51	7.27	19.75	8.35	1491	44.7	8.15	
13:35	0.3	32	7.35	20.15	3.52	1471	33.2	8.16	
13:45	0.9	30	7.34	20.20	3.80	1492	39.2	8.16	
14:00	1.5	29	7.42	20.15	3.76	1494	141.1	8.16	
14:15	2.1	23	7.29	20.18	3.70	1504	78.9	8.16	
14:30	2.7	18	7.23	20.15	3.72	1508	79.0	8.16	
14:35	3.0	17	7.31	20.16	3.69	1507	81.2	8.16	
14:40	3.3	17	7.32	20.17	3.48	1507	79.6	8.16	

Site Name: 10 E. chester

Site Location:

Sample By: T. Gina

Well ID: MW-5

Date: 10/21/20

Weather: overcast 65°

Pumping Equipment: Peri

Decon Method:

Well Information:

Flush Mount or Riser:

Measuring Point:

Elevation:

Riser Diameter: 2"

Calculation:

Dia. Well	Gal/ft
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Time	Volume Removed (Gal.)	Turbidity (NTU)	pH	Temperature (F)	Dissolved 02 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water (ft.)	Pumping Rate
—	—	—	—	—	—	—	—	7.80	
8:05	0.1	80	7.99	16.83	8.91	116	93.9	7.85	
8:15	0.5	29	7.51	17.24	4.76	107	82.6	7.86	
8:25	1.0	18	7.35	17.21	4.53	106	81.2	7.86	
8:35	1.4	15	7.29	17.23	4.14	103	82.1	7.86	
8:40	1.8	16	7.31	17.23	4.12	105	82.0	7.86	
8:45	2.0	16	7.31	17.22	4.11	103	82.0	7.86	

Site Name: 10 E. Clarke

Site Location:

Sample By: T. Gia

Well Information:

Flush Mount or Riser:

Measuring Point:

Elevation:

Riser Diameter: 2"

Calculation:

Well ID: MW-6

Date: 10/21

Weather: overcast 61°

Pumping Equipment: Peri

Decon Method:

Dia. Well	Gal/ft
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Time	Volume Removed (Gal.)	Turbidity (NTU)	pH	Temperature (F)	Dissolved 02 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water (ft.)	Pumping Rate
—	—	—	—	—	—	—	—	7.08	—
09:15	0.1	52	7.25	18.53	5.48	400	89.5	7.12	
09:30	0.8	43	6.97	18.71	2.34	445	59.2	7.12	
09:40	1.4	17	7.02	18.99	1.00	456	52.8	7.12	
09:50	1.9	16	7.00	19.10	0.86	449	51.9	7.12	
[illegible]	2.2	15	7.01	[illegible]	0.99	450	51.7	7.12	
[illegible]	2.5	15	7.01	[illegible]	0.86	448	52.0	7.12	

Site Name: 10 E. Chester
Site Location:
Sample By: T. Gia

Well ID: MW-7
Date: 10/20/20
Weather: cloud 70°
Pumping Equipment: Peri
Decon Method:

Well Information:
Flush Mount or Riser:
Measuring Point:
Elevation:
Riser Diameter: 2"
Calculation:

Dia. Well	Gal/ft
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH
± 3% change in conductivity
± 10 millivolt change in ORP
± 10% change in DO and Turbidity

Time	Volume Removed (Gal.)	Turbidity (NTU)	pH	Temperature (F)	Dissolved 02 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water (ft.)	Pumping Rate
								9.12	
8:00	0.05	40	7.64	16.40	7.93	1913	82.3	9.18	
8:10	0.1	12	7.13	16.79	3.85	1777	29.4	9.18	
8:20	0.3	9	7.93	17.14	2.75	1723	18.3	9.18	
8:30	0.9	7	8.02	17.33	1.95	1705	16.1	9.18	
8:40	1.2	8	8.18	17.35	2.02	1695	10.3	9.19	
8:45	1.4	9	8.17	17.31	2.01	1699	5.7	9.19	
8:50	1.6	9	8.19	17.30	2.03	1697	5.1	9.19	
8:55	1.8	9	8.19	17.30	2.02	1699	5.2	9.19	

* - FD-1
MS
MSD

Site Name: 10 E. Chester

Site Location:

Sample By:

Well Information:

Flush Mount or Riser:

Measuring Point:

Elevation:

Riser Diameter:

Calculation:

Well ID: MW-8

Date: 10/19/20

Weather: cloudy 70°

Pumping Equipment:

Decon Method:

Dia. Well	Gal/ft
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Time	Volume Removed (Gal.)	Turbidity (NTU)	pH	Temperature (F)	Dissolved 02 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water (ft.)	Pumping Rate
								11.05	
14:25	0.05	60	7.64	16.49	9.52	983	100.3	11.40	
14:35	0.4	38	7.62	16.50	3.08	1089	70.0	11.78	
14:45	1.1	19	7.16	16.50	2.00	986	63.4	12.81	
14:55	1.3	11	7.58	16.34	1.97	995	65.7	13.11	
15:05	1.5	8	7.57	16.31	1.90	987	65.3	13.21	
* 15:10	1.6	7	7.57	16.31	1.92	985	65.2	13.23	

Site Name: 10. E. Clark offsite

Site Location:

Sample By: T. Gee

Well Information:

Flush Mount or Riser:

Measuring Point:

Elevation:

Riser Diameter: 2"

Calculation:

Well ID: MW-9

Date: 10/19/20

Weather: Sunny 70°

Pumping Equipment:

Decon Method:

Dia. Well	Gal/ft
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

Time	Volume Removed (Gal.)	Turbidity (NTU)	pH	Temperature (°C)	Dissolved 02 (mg/L)	Conductivity (m5/cm)	ORP (mV)	Depth to Water (ft.)	Pumping Rate
12:00	0.1	310	8.10	19.74	2.96	618	70.1	9.54	
12:10	0.3	181	7.97	20.57	2.76	652	61.3	9.58	
12:20	0.8	75	7.71	20.27	3.56	667	56.9	9.58	
12:30	1.2	21	7.68	20.06	2.81	677	57.8	9.58	
12:40	1.5	15	7.61	19.57	2.86	679	64.9	9.58	
12:45	1.7	12	7.63	19.26	2.84	677	64.7	9.58	
* 12:50	2.1	13	7.63	19.19	2.85	678	64.7	9.58	

Site Name: 10 E. Chester

Site Location:

Sample By: T. Gia

Well Information:

Flush Mount or Riser:

Measuring Point:

Elevation:

Riser Diameter: 2"

Calculation:

Dia. Well	Gal/ft
1	0.0408
1.5	0.0918
2	0.1631
3	0.3670
4	0.6525
5	1.0195
6	1.4681
8	2.6100

Well ID: MW-10

Date: 10/19/20

Weather: Sunny 70

Pumping Equipment: Per:

Decon Method:

Stabilization is achieved when the following changes are noted over three consecutive 3-5 minute readings:

± 0.1 change in pH

± 3% change in conductivity

± 10 millivolt change in ORP

± 10% change in DO and Turbidity

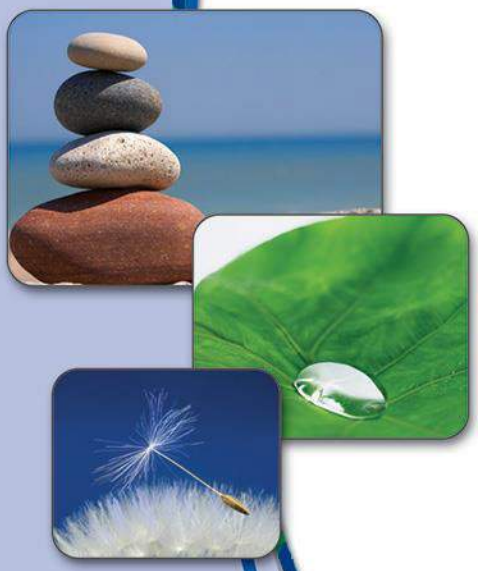
Time	Volume Removed (Gal.)	Turbidity (NTU)	pH	Temperature (F)	Dissolved 02 (mg/L)	Conductivity (mS/cm)	ORP (mV)	Depth to Water (ft.)	Pumping Rate
								8.81	
13:10	0.01	250	8.36	16.51	7.02	1006	90.3	8.94	
13:20	0.2	60	7.03	16.54	1.13	1018	73.4	9.01	
13:30	0.6	23	7.26	16.56	0.77	1021	69.4	9.05	
13:40	1.2	15	7.37	16.57	0.70	1032	67.1	9.07	
13:50	1.5	10	7.39	16.61	0.66	1034	66.4	9.09	
13:55	1.7	9	7.41	16.60	0.68	1031	66.2	9.10	
* 14:00	2.0	9	7.40	16.60	0.67	1033	66.2	9.10	

16.56

ATTACHMENT - D

Laboratory Groundwater Analytical Report (October 2020)

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-176997-1
Client Project/Site: 10 East Chester St Off-site #C356032A

For:
New York State D.E.C.
625 Broadway/3rd Floor
Albany, New York 12233-5254

Attn: Parag B Amin

Authorized for release by:
10/27/2020 7:01:36 PM

Judy Stone, Senior Project Manager
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LINKS

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Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Judy Stone
Senior Project Manager
10/27/2020 7:01:36 PM

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Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-176997-1
Project/Site: 10 East Chester St Off-site #C356032A

Qualifiers

GC/MS 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
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

Job ID: 480-176997-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-176997-1

Receipt
The samples were received on 10/23/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.5º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-3 (480-176997-1), MW-2 (480-176997-2) and MW-4 (480-176997-4). 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.

Detection Summary

Client: New York State D.E.C.
Job ID: 480-176997-1
Project/Site: 10 East Chester St Off-site #C356032A

Client Sample ID: MW-3 — Lab Sample ID: 480-176997-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2100		40	14	ug/L	40		8260C	Total/NA
Trichloroethene	22	J	40	18	ug/L	40		8260C	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 480-176997-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	300		5.0	3.8	ug/L	5		8260C	Total/NA
1,3,5-Trimethylbenzene	77		5.0	3.9	ug/L	5		8260C	Total/NA
Cyclohexane	100		5.0	0.90	ug/L	5		8260C	Total/NA
Isopropylbenzene	21		5.0	4.0	ug/L	5		8260C	Total/NA
Methylcyclohexane	63		5.0	0.80	ug/L	5		8260C	Total/NA
n-Butylbenzene	20		5.0	3.2	ug/L	5		8260C	Total/NA
N-Propylbenzene	61		5.0	3.5	ug/L	5		8260C	Total/NA
sec-Butylbenzene	6.3		5.0	3.8	ug/L	5		8260C	Total/NA

Client Sample ID: MW-1 — Lab Sample ID: 480-176997-3

No Detections.

Client Sample ID: MW-4 — Lab Sample ID: 480-176997-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	2100		40	14	ug/L	40		8260C	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 480-176997-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.58	J	1.0	0.36	ug/L	1		8260C	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 480-176997-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	13		1.0	0.36	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 480-176997-1
Project/Site: 10 East Chester St Off-site #C356032A

Client Sample ID: MW-3
Lab Sample ID: 480-176997-1
Date Collected: 10/20/20 10:05
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			10/24/20 12:21	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			10/24/20 12:21	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			10/24/20 12:21	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			10/24/20 12:21	40
1,1-Dichloroethane	ND		40	15	ug/L			10/24/20 12:21	40
1,1-Dichloroethene	ND		40	12	ug/L			10/24/20 12:21	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			10/24/20 12:21	40
1,2,4-Trimethylbenzene	ND		40	30	ug/L			10/24/20 12:21	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			10/24/20 12:21	40
1,2-Dibromoethane	ND		40	29	ug/L			10/24/20 12:21	40
1,2-Dichlorobenzene	ND		40	32	ug/L			10/24/20 12:21	40
1,2-Dichloroethane	ND		40	8.4	ug/L			10/24/20 12:21	40
1,2-Dichloropropane	ND		40	29	ug/L			10/24/20 12:21	40
1,3,5-Trimethylbenzene	ND		40	31	ug/L			10/24/20 12:21	40
1,3-Dichlorobenzene	ND		40	31	ug/L			10/24/20 12:21	40
1,4-Dichlorobenzene	ND		40	34	ug/L			10/24/20 12:21	40
2-Butanone (MEK)	ND		400	53	ug/L			10/24/20 12:21	40
2-Hexanone	ND		200	50	ug/L			10/24/20 12:21	40
4-Isopropyltoluene	ND		40	12	ug/L			10/24/20 12:21	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			10/24/20 12:21	40
Acetone	ND		400	120	ug/L			10/24/20 12:21	40
Benzene	ND		40	16	ug/L			10/24/20 12:21	40
Bromodichloromethane	ND		40	16	ug/L			10/24/20 12:21	40
Bromoform	ND		40	10	ug/L			10/24/20 12:21	40
Bromomethane	ND		40	28	ug/L			10/24/20 12:21	40
Carbon disulfide	ND		40	7.6	ug/L			10/24/20 12:21	40
Carbon tetrachloride	ND		40	11	ug/L			10/24/20 12:21	40
Chlorobenzene	ND		40	30	ug/L			10/24/20 12:21	40
Chloroethane	ND		40	13	ug/L			10/24/20 12:21	40
Chloroform	ND		40	14	ug/L			10/24/20 12:21	40
Chloromethane	ND		40	14	ug/L			10/24/20 12:21	40
cis-1,2-Dichloroethene	ND		40	32	ug/L			10/24/20 12:21	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			10/24/20 12:21	40
Cyclohexane	ND		40	7.2	ug/L			10/24/20 12:21	40
Dibromochloromethane	ND		40	13	ug/L			10/24/20 12:21	40
Dichlorodifluoromethane	ND		40	27	ug/L			10/24/20 12:21	40
Ethylbenzene	ND		40	30	ug/L			10/24/20 12:21	40
Isopropylbenzene	ND		40	32	ug/L			10/24/20 12:21	40
m,p-Xylene	ND		80	26	ug/L			10/24/20 12:21	40
Methyl acetate	ND		100	52	ug/L			10/24/20 12:21	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			10/24/20 12:21	40
Methylcyclohexane	ND		40	6.4	ug/L			10/24/20 12:21	40
Methylene Chloride	ND		40	18	ug/L			10/24/20 12:21	40
Naphthalene	ND		40	17	ug/L			10/24/20 12:21	40
n-Butylbenzene	ND		40	26	ug/L			10/24/20 12:21	40
N-Propylbenzene	ND		40	28	ug/L			10/24/20 12:21	40
o-Xylene	ND		40	30	ug/L			10/24/20 12:21	40
sec-Butylbenzene	ND		40	30	ug/L			10/24/20 12:21	40
Styrene	ND		40	29	ug/L			10/24/20 12:21	40

Client Sample ID: MW-3

Lab Sample ID: 480-176997-1

Date Collected: 10/20/20 10:05

Matrix: Water

Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		40	32	ug/L			10/24/20 12:21	40
Tetrachloroethene	**2100**		40	14	ug/L			10/24/20 12:21	40
Toluene	ND		40	20	ug/L			10/24/20 12:21	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			10/24/20 12:21	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			10/24/20 12:21	40
Trichloroethene	**22**	**J**	40	18	ug/L			10/24/20 12:21	40
Trichlorofluoromethane	ND		40	35	ug/L			10/24/20 12:21	40
Vinyl chloride	ND		40	36	ug/L			10/24/20 12:21	40
Xylenes, Total	ND		80	26	ug/L			10/24/20 12:21	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/24/20 12:21*	*40*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/24/20 12:21*	*40*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*10/24/20 12:21*	*40*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/24/20 12:21*	*40*

Client Sample ID: MW-2

Lab Sample ID: 480-176997-2

Date Collected: 10/20/20 11:25

Matrix: Water

Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			10/24/20 12:44	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			10/24/20 12:44	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	1.6	ug/L			10/24/20 12:44	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			10/24/20 12:44	5
1,1-Dichloroethane	ND		5.0	1.9	ug/L			10/24/20 12:44	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			10/24/20 12:44	5
1,2,4-Trichlorobenzene	ND		5.0	2.1	ug/L			10/24/20 12:44	5
1,2,4-Trimethylbenzene	**300**		5.0	3.8	ug/L			10/24/20 12:44	5
1,2-Dibromo-3-Chloropropane	ND		5.0	2.0	ug/L			10/24/20 12:44	5
1,2-Dibromoethane	ND		5.0	3.7	ug/L			10/24/20 12:44	5
1,2-Dichlorobenzene	ND		5.0	4.0	ug/L			10/24/20 12:44	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			10/24/20 12:44	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			10/24/20 12:44	5
1,3,5-Trimethylbenzene	**77**		5.0	3.9	ug/L			10/24/20 12:44	5
1,3-Dichlorobenzene	ND		5.0	3.9	ug/L			10/24/20 12:44	5
1,4-Dichlorobenzene	ND		5.0	4.2	ug/L			10/24/20 12:44	5
2-Butanone (MEK)	ND		50	6.6	ug/L			10/24/20 12:44	5
2-Hexanone	ND		25	6.2	ug/L			10/24/20 12:44	5
4-Isopropyltoluene	ND		5.0	1.6	ug/L			10/24/20 12:44	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			10/24/20 12:44	5
Acetone	ND		50	15	ug/L			10/24/20 12:44	5
Benzene	ND		5.0	2.1	ug/L			10/24/20 12:44	5
Bromodichloromethane	ND		5.0	2.0	ug/L			10/24/20 12:44	5
Bromoform	ND		5.0	1.3	ug/L			10/24/20 12:44	5
Bromomethane	ND		5.0	3.5	ug/L			10/24/20 12:44	5
Carbon disulfide	ND		5.0	0.95	ug/L			10/24/20 12:44	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			10/24/20 12:44	5
Chlorobenzene	ND		5.0	3.8	ug/L			10/24/20 12:44	5

Client: New York State D.E.C.
Job ID: 480-176997-1
Project/Site: 10 East Chester St Off-site #C356032A

Client Sample ID: MW-2

Lab Sample ID: 480-176997-2
Date Collected: 10/20/20 11:25
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		5.0	1.6	ug/L			10/24/20 12:44	5
Chloroform	ND		5.0	1.7	ug/L			10/24/20 12:44	5
Chloromethane	ND		5.0	1.8	ug/L			10/24/20 12:44	5
cis-1,2-Dichloroethene	ND		5.0	4.1	ug/L			10/24/20 12:44	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			10/24/20 12:44	5
Cyclohexane	**100**		5.0	0.90	ug/L			10/24/20 12:44	5
Dibromochloromethane	ND		5.0	1.6	ug/L			10/24/20 12:44	5
Dichlorodifluoromethane	ND		5.0	3.4	ug/L			10/24/20 12:44	5
Ethylbenzene	ND		5.0	3.7	ug/L			10/24/20 12:44	5
Isopropylbenzene	**21**		5.0	4.0	ug/L			10/24/20 12:44	5
m,p-Xylene	ND		10	3.3	ug/L			10/24/20 12:44	5
Methyl acetate	ND		13	6.5	ug/L			10/24/20 12:44	5
Methyl tert-butyl ether	ND		5.0	0.80	ug/L			10/24/20 12:44	5
Methylcyclohexane	**63**		5.0	0.80	ug/L			10/24/20 12:44	5
Methylene Chloride	ND		5.0	2.2	ug/L			10/24/20 12:44	5
Naphthalene	ND		5.0	2.2	ug/L			10/24/20 12:44	5
n-Butylbenzene	**20**		5.0	3.2	ug/L			10/24/20 12:44	5
N-Propylbenzene	**61**		5.0	3.5	ug/L			10/24/20 12:44	5
o-Xylene	ND		5.0	3.8	ug/L			10/24/20 12:44	5
sec-Butylbenzene	**6.3**		5.0	3.8	ug/L			10/24/20 12:44	5
Styrene	ND		5.0	3.7	ug/L			10/24/20 12:44	5
tert-Butylbenzene	ND		5.0	4.1	ug/L			10/24/20 12:44	5
Tetrachloroethene	ND		5.0	1.8	ug/L			10/24/20 12:44	5
Toluene	ND		5.0	2.6	ug/L			10/24/20 12:44	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			10/24/20 12:44	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			10/24/20 12:44	5
Trichloroethene	ND		5.0	2.3	ug/L			10/24/20 12:44	5
Trichlorofluoromethane	ND		5.0	4.4	ug/L			10/24/20 12:44	5
Vinyl chloride	ND		5.0	4.5	ug/L			10/24/20 12:44	5
Xylenes, Total	ND		10	3.3	ug/L			10/24/20 12:44	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*10/24/20 12:44*	*5*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/24/20 12:44*	*5*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*10/24/20 12:44*	*5*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/24/20 12:44*	*5*

Client Sample ID: MW-1

Lab Sample ID: 480-176997-3
Date Collected: 10/20/20 13:00
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/24/20 13:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/24/20 13:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/24/20 13:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/24/20 13:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/24/20 13:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/24/20 13:07	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/20 13:07	1

Client: New York State D.E.C.
Job ID: 480-176997-1
Project/Site: 10 East Chester St Off-site #C356032A

Client Sample ID: MW-1
Lab Sample ID: 480-176997-3
Date Collected: 10/20/20 13:00
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/24/20 13:07	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/24/20 13:07	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/24/20 13:07	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/20 13:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/24/20 13:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/24/20 13:07	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/24/20 13:07	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/20 13:07	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/20 13:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/20 13:07	1
2-Hexanone	ND		5.0	1.2	ug/L			10/24/20 13:07	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			10/24/20 13:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/24/20 13:07	1
Acetone	ND		10	3.0	ug/L			10/24/20 13:07	1
Benzene	ND		1.0	0.41	ug/L			10/24/20 13:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/24/20 13:07	1
Bromoform	ND		1.0	0.26	ug/L			10/24/20 13:07	1
Bromomethane	ND		1.0	0.69	ug/L			10/24/20 13:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/24/20 13:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/24/20 13:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/24/20 13:07	1
Chloroethane	ND		1.0	0.32	ug/L			10/24/20 13:07	1
Chloroform	ND		1.0	0.34	ug/L			10/24/20 13:07	1
Chloromethane	ND		1.0	0.35	ug/L			10/24/20 13:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/24/20 13:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/24/20 13:07	1
Cyclohexane	ND		1.0	0.18	ug/L			10/24/20 13:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/24/20 13:07	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/24/20 13:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/20 13:07	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/24/20 13:07	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/24/20 13:07	1
Methyl acetate	ND		2.5	1.3	ug/L			10/24/20 13:07	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/24/20 13:07	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/24/20 13:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/24/20 13:07	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/20 13:07	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/24/20 13:07	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/24/20 13:07	1
o-Xylene	ND		1.0	0.76	ug/L			10/24/20 13:07	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/24/20 13:07	1
Styrene	ND		1.0	0.73	ug/L			10/24/20 13:07	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/24/20 13:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/24/20 13:07	1
Toluene	ND		1.0	0.51	ug/L			10/24/20 13:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/24/20 13:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/24/20 13:07	1
Trichloroethene	ND		1.0	0.46	ug/L			10/24/20 13:07	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/24/20 13:07	1

Client: New York State D.E.C.
Job ID: 480-176997-1
Project/Site: 10 East Chester St Off-site #C356032A

Client Sample ID: MW-1
Lab Sample ID: 480-176997-3
Date Collected: 10/20/20 13:00
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/20 13:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/20 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*10/24/20 13:07*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/24/20 13:07*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/24/20 13:07*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*10/24/20 13:07*	*1*

Client Sample ID: MW-4
Lab Sample ID: 480-176997-4
Date Collected: 10/20/20 14:40
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	33	ug/L			10/24/20 13:30	40
1,1,2,2-Tetrachloroethane	ND		40	8.4	ug/L			10/24/20 13:30	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		40	12	ug/L			10/24/20 13:30	40
1,1,2-Trichloroethane	ND		40	9.2	ug/L			10/24/20 13:30	40
1,1-Dichloroethane	ND		40	15	ug/L			10/24/20 13:30	40
1,1-Dichloroethene	ND		40	12	ug/L			10/24/20 13:30	40
1,2,4-Trichlorobenzene	ND		40	16	ug/L			10/24/20 13:30	40
1,2,4-Trimethylbenzene	ND		40	30	ug/L			10/24/20 13:30	40
1,2-Dibromo-3-Chloropropane	ND		40	16	ug/L			10/24/20 13:30	40
1,2-Dibromoethane	ND		40	29	ug/L			10/24/20 13:30	40
1,2-Dichlorobenzene	ND		40	32	ug/L			10/24/20 13:30	40
1,2-Dichloroethane	ND		40	8.4	ug/L			10/24/20 13:30	40
1,2-Dichloropropane	ND		40	29	ug/L			10/24/20 13:30	40
1,3,5-Trimethylbenzene	ND		40	31	ug/L			10/24/20 13:30	40
1,3-Dichlorobenzene	ND		40	31	ug/L			10/24/20 13:30	40
1,4-Dichlorobenzene	ND		40	34	ug/L			10/24/20 13:30	40
2-Butanone (MEK)	ND		400	53	ug/L			10/24/20 13:30	40
2-Hexanone	ND		200	50	ug/L			10/24/20 13:30	40
4-Isopropyltoluene	ND		40	12	ug/L			10/24/20 13:30	40
4-Methyl-2-pentanone (MIBK)	ND		200	84	ug/L			10/24/20 13:30	40
Acetone	ND		400	120	ug/L			10/24/20 13:30	40
Benzene	ND		40	16	ug/L			10/24/20 13:30	40
Bromodichloromethane	ND		40	16	ug/L			10/24/20 13:30	40
Bromoform	ND		40	10	ug/L			10/24/20 13:30	40
Bromomethane	ND		40	28	ug/L			10/24/20 13:30	40
Carbon disulfide	ND		40	7.6	ug/L			10/24/20 13:30	40
Carbon tetrachloride	ND		40	11	ug/L			10/24/20 13:30	40
Chlorobenzene	ND		40	30	ug/L			10/24/20 13:30	40
Chloroethane	ND		40	13	ug/L			10/24/20 13:30	40
Chloroform	ND		40	14	ug/L			10/24/20 13:30	40
Chloromethane	ND		40	14	ug/L			10/24/20 13:30	40
cis-1,2-Dichloroethene	ND		40	32	ug/L			10/24/20 13:30	40
cis-1,3-Dichloropropene	ND		40	14	ug/L			10/24/20 13:30	40
Cyclohexane	ND		40	7.2	ug/L			10/24/20 13:30	40
Dibromochloromethane	ND		40	13	ug/L			10/24/20 13:30	40

Client Sample ID: MW-4

Lab Sample ID: 480-176997-4

Date Collected: 10/20/20 14:40

Matrix: Water

Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		40	27	ug/L			10/24/20 13:30	40
Ethylbenzene	ND		40	30	ug/L			10/24/20 13:30	40
Isopropylbenzene	ND		40	32	ug/L			10/24/20 13:30	40
m,p-Xylene	ND		80	26	ug/L			10/24/20 13:30	40
Methyl acetate	ND		100	52	ug/L			10/24/20 13:30	40
Methyl tert-butyl ether	ND		40	6.4	ug/L			10/24/20 13:30	40
Methylcyclohexane	ND		40	6.4	ug/L			10/24/20 13:30	40
Methylene Chloride	ND		40	18	ug/L			10/24/20 13:30	40
Naphthalene	ND		40	17	ug/L			10/24/20 13:30	40
n-Butylbenzene	ND		40	26	ug/L			10/24/20 13:30	40
N-Propylbenzene	ND		40	28	ug/L			10/24/20 13:30	40
o-Xylene	ND		40	30	ug/L			10/24/20 13:30	40
sec-Butylbenzene	ND		40	30	ug/L			10/24/20 13:30	40
Styrene	ND		40	29	ug/L			10/24/20 13:30	40
tert-Butylbenzene	ND		40	32	ug/L			10/24/20 13:30	40
Tetrachloroethene	**2100**		40	14	ug/L			10/24/20 13:30	40
Toluene	ND		40	20	ug/L			10/24/20 13:30	40
trans-1,2-Dichloroethene	ND		40	36	ug/L			10/24/20 13:30	40
trans-1,3-Dichloropropene	ND		40	15	ug/L			10/24/20 13:30	40
Trichloroethene	ND		40	18	ug/L			10/24/20 13:30	40
Trichlorofluoromethane	ND		40	35	ug/L			10/24/20 13:30	40
Vinyl chloride	ND		40	36	ug/L			10/24/20 13:30	40
Xylenes, Total	ND		80	26	ug/L			10/24/20 13:30	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/24/20 13:30*	*40*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/24/20 13:30*	*40*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/24/20 13:30*	*40*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/24/20 13:30*	*40*

Client Sample ID: MW-5

Lab Sample ID: 480-176997-5

Date Collected: 10/21/20 08:45

Matrix: Water

Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/24/20 13:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/24/20 13:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/24/20 13:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/24/20 13:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/24/20 13:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/24/20 13:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/20 13:53	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/24/20 13:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/24/20 13:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/24/20 13:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/20 13:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/24/20 13:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/24/20 13:53	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/24/20 13:53	1

Client: New York State D.E.C.
Job ID: 480-176997-1
Project/Site: 10 East Chester St Off-site #C356032A

Client Sample ID: MW-5
Lab Sample ID: 480-176997-5
Date Collected: 10/21/20 08:45
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/20 13:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/20 13:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/20 13:53	1
2-Hexanone	ND		5.0	1.2	ug/L			10/24/20 13:53	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			10/24/20 13:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/24/20 13:53	1
Acetone	ND		10	3.0	ug/L			10/24/20 13:53	1
Benzene	ND		1.0	0.41	ug/L			10/24/20 13:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/24/20 13:53	1
Bromoform	ND		1.0	0.26	ug/L			10/24/20 13:53	1
Bromomethane	ND		1.0	0.69	ug/L			10/24/20 13:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/24/20 13:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/24/20 13:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/24/20 13:53	1
Chloroethane	ND		1.0	0.32	ug/L			10/24/20 13:53	1
Chloroform	ND		1.0	0.34	ug/L			10/24/20 13:53	1
Chloromethane	ND		1.0	0.35	ug/L			10/24/20 13:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/24/20 13:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/24/20 13:53	1
Cyclohexane	ND		1.0	0.18	ug/L			10/24/20 13:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/24/20 13:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/24/20 13:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/20 13:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/24/20 13:53	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/24/20 13:53	1
Methyl acetate	ND		2.5	1.3	ug/L			10/24/20 13:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/24/20 13:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/24/20 13:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/24/20 13:53	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/20 13:53	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/24/20 13:53	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/24/20 13:53	1
o-Xylene	ND		1.0	0.76	ug/L			10/24/20 13:53	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/24/20 13:53	1
Styrene	ND		1.0	0.73	ug/L			10/24/20 13:53	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/24/20 13:53	1
Tetrachloroethene	**0.58**	**J**	1.0	0.36	ug/L			10/24/20 13:53	1
Toluene	ND		1.0	0.51	ug/L			10/24/20 13:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/24/20 13:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/24/20 13:53	1
Trichloroethene	ND		1.0	0.46	ug/L			10/24/20 13:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/24/20 13:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/20 13:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/20 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/24/20 13:53*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/24/20 13:53*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/24/20 13:53*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/24/20 13:53*	*1*

Client: New York State D.E.C.
Job ID: 480-176997-1
Project/Site: 10 East Chester St Off-site #C356032A

Client Sample ID: MW-6
Lab Sample ID: 480-176997-6
Date Collected: 10/21/20 10:00
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/24/20 14:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/24/20 14:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/24/20 14:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/24/20 14:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/24/20 14:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/24/20 14:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/20 14:16	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/24/20 14:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/24/20 14:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/24/20 14:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/20 14:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/24/20 14:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/24/20 14:16	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/24/20 14:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/20 14:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/20 14:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/20 14:16	1
2-Hexanone	ND		5.0	1.2	ug/L			10/24/20 14:16	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			10/24/20 14:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/24/20 14:16	1
Acetone	ND		10	3.0	ug/L			10/24/20 14:16	1
Benzene	ND		1.0	0.41	ug/L			10/24/20 14:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/24/20 14:16	1
Bromoform	ND		1.0	0.26	ug/L			10/24/20 14:16	1
Bromomethane	ND		1.0	0.69	ug/L			10/24/20 14:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/24/20 14:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/24/20 14:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/24/20 14:16	1
Chloroethane	ND		1.0	0.32	ug/L			10/24/20 14:16	1
Chloroform	ND		1.0	0.34	ug/L			10/24/20 14:16	1
Chloromethane	ND		1.0	0.35	ug/L			10/24/20 14:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/24/20 14:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/24/20 14:16	1
Cyclohexane	ND		1.0	0.18	ug/L			10/24/20 14:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/24/20 14:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/24/20 14:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/20 14:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/24/20 14:16	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/24/20 14:16	1
Methyl acetate	ND		2.5	1.3	ug/L			10/24/20 14:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/24/20 14:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/24/20 14:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/24/20 14:16	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/20 14:16	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/24/20 14:16	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/24/20 14:16	1
o-Xylene	ND		1.0	0.76	ug/L			10/24/20 14:16	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/24/20 14:16	1
Styrene	ND		1.0	0.73	ug/L			10/24/20 14:16	1

Client: New York State D.E.C.
Job ID: 480-176997-1
Project/Site: 10 East Chester St Off-site #C356032A

Client Sample ID: MW-6
Lab Sample ID: 480-176997-6
Date Collected: 10/21/20 10:00
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/24/20 14:16	1
Tetrachloroethene	**13**		1.0	0.36	ug/L			10/24/20 14:16	1
Toluene	ND		1.0	0.51	ug/L			10/24/20 14:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/24/20 14:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/24/20 14:16	1
Trichloroethene	ND		1.0	0.46	ug/L			10/24/20 14:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/24/20 14:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/20 14:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/20 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/24/20 14:16*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/24/20 14:16*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/24/20 14:16*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/24/20 14:16*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: 10 East Chester St Off-site #C356032A

Job ID: 480-176997-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-176997-1	MW-3	102	105	103	102
480-176997-2	MW-2	106	105	98	97
480-176997-3	MW-1	100	101	104	96
480-176997-4	MW-4	99	103	101	100
480-176997-5	MW-5	99	103	101	101
480-176997-6	MW-6	109	102	110	97
LCS 480-555531/5	Lab Control Sample	99	108	105	101
MB 480-555531/7	Method Blank	110	107	106	100

Surrogate Legend

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

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

Lab Sample ID: MB 480-555531/7
Matrix: Water
Analysis Batch: 555531

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/24/20 09:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/24/20 09:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/24/20 09:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/24/20 09:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/24/20 09:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/24/20 09:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/20 09:25	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/24/20 09:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/24/20 09:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/24/20 09:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/20 09:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/24/20 09:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/24/20 09:25	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/24/20 09:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/20 09:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/20 09:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/20 09:25	1
2-Hexanone	ND		5.0	1.2	ug/L			10/24/20 09:25	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			10/24/20 09:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/24/20 09:25	1
Acetone	ND		10	3.0	ug/L			10/24/20 09:25	1
Benzene	ND		1.0	0.41	ug/L			10/24/20 09:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/24/20 09:25	1
Bromoform	ND		1.0	0.26	ug/L			10/24/20 09:25	1
Bromomethane	ND		1.0	0.69	ug/L			10/24/20 09:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/24/20 09:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/24/20 09:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/24/20 09:25	1
Chloroethane	ND		1.0	0.32	ug/L			10/24/20 09:25	1
Chloroform	ND		1.0	0.34	ug/L			10/24/20 09:25	1
Chloromethane	ND		1.0	0.35	ug/L			10/24/20 09:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/24/20 09:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/24/20 09:25	1
Cyclohexane	ND		1.0	0.18	ug/L			10/24/20 09:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/24/20 09:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/24/20 09:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/20 09:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/24/20 09:25	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/24/20 09:25	1
Methyl acetate	ND		2.5	1.3	ug/L			10/24/20 09:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/24/20 09:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/24/20 09:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/24/20 09:25	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/20 09:25	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/24/20 09:25	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/24/20 09:25	1
o-Xylene	ND		1.0	0.76	ug/L			10/24/20 09:25	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/24/20 09:25	1

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

Lab Sample ID: MB 480-555531/7
Matrix: Water
Analysis Batch: 555531

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			10/24/20 09:25	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/24/20 09:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/24/20 09:25	1
Toluene	ND		1.0	0.51	ug/L			10/24/20 09:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/24/20 09:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/24/20 09:25	1
Trichloroethene	ND		1.0	0.46	ug/L			10/24/20 09:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/24/20 09:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/20 09:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/20 09:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*10/24/20 09:25*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/24/20 09:25*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/24/20 09:25*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/24/20 09:25*	*1*

Lab Sample ID: LCS 480-555531/5
Matrix: Water
Analysis Batch: 555531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.5		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.8		ug/L		95	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.2		ug/L		109	61 - 148
1,1,2-Trichloroethane	25.0	27.4		ug/L		110	76 - 122
1,1-Dichloroethane	25.0	26.6		ug/L		106	77 - 120
1,1-Dichloroethene	25.0	27.2		ug/L		109	66 - 127
1,2,4-Trichlorobenzene	25.0	25.7		ug/L		103	79 - 122
1,2,4-Trimethylbenzene	25.0	25.5		ug/L		102	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	25.6		ug/L		102	56 - 134
1,2-Dibromoethane	25.0	25.1		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	26.2		ug/L		105	75 - 120
1,2-Dichloropropane	25.0	27.0		ug/L		108	76 - 120
1,3,5-Trimethylbenzene	25.0	25.3		ug/L		101	77 - 121
1,3-Dichlorobenzene	25.0	25.5		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	25.1		ug/L		100	80 - 120
2-Butanone (MEK)	125	143		ug/L		115	57 - 140
2-Hexanone	125	135		ug/L		108	65 - 127
4-Isopropyltoluene	25.0	25.6		ug/L		102	73 - 120
4-Methyl-2-pentanone (MIBK)	125	136		ug/L		109	71 - 125
Acetone	125	138		ug/L		111	56 - 142
Benzene	25.0	26.1		ug/L		104	71 - 124
Bromodichloromethane	25.0	25.6		ug/L		103	80 - 122
Bromoform	25.0	25.7		ug/L		103	61 - 132
Bromomethane	25.0	22.3		ug/L		89	55 - 144
Carbon disulfide	25.0	25.7		ug/L		103	59 - 134

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

Lab Sample ID: LCS 480-555531/5
Matrix: Water
Analysis Batch: 555531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	25.0	28.5		ug/L		114	72 - 134
Chlorobenzene	25.0	26.5		ug/L		106	80 - 120
Chloroethane	25.0	21.0		ug/L		84	69 - 136
Chloroform	25.0	25.5		ug/L		102	73 - 127
Chloromethane	25.0	24.0		ug/L		96	68 - 124
cis-1,2-Dichloroethene	25.0	24.9		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	25.6		ug/L		102	74 - 124
Cyclohexane	25.0	27.4		ug/L		110	59 - 135
Dibromochloromethane	25.0	26.2		ug/L		105	75 - 125
Dichlorodifluoromethane	25.0	24.2		ug/L		97	59 - 135
Ethylbenzene	25.0	26.3		ug/L		105	77 - 123
Isopropylbenzene	25.0	24.8		ug/L		99	77 - 122
m,p-Xylene	25.0	25.7		ug/L		103	76 - 122
Methyl acetate	50.0	56.1		ug/L		112	74 - 133
Methyl tert-butyl ether	25.0	26.7		ug/L		107	77 - 120
Methylcyclohexane	25.0	28.2		ug/L		113	68 - 134
Methylene Chloride	25.0	25.9		ug/L		104	75 - 124
Naphthalene	25.0	25.4		ug/L		101	66 - 125
n-Butylbenzene	25.0	25.8		ug/L		103	71 - 128
N-Propylbenzene	25.0	24.4		ug/L		98	75 - 127
o-Xylene	25.0	25.8		ug/L		103	76 - 122
sec-Butylbenzene	25.0	25.8		ug/L		103	74 - 127
Styrene	25.0	26.6		ug/L		106	80 - 120
tert-Butylbenzene	25.0	25.5		ug/L		102	75 - 123
Tetrachloroethene	25.0	26.7		ug/L		107	74 - 122
Toluene	25.0	26.8		ug/L		107	80 - 122
trans-1,2-Dichloroethene	25.0	26.8		ug/L		107	73 - 127
trans-1,3-Dichloropropene	25.0	26.3		ug/L		105	80 - 120
Trichloroethene	25.0	26.2		ug/L		105	74 - 123
Trichlorofluoromethane	25.0	26.1		ug/L		104	62 - 150
Vinyl chloride	25.0	23.7		ug/L		95	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*

QC Association Summary

Client: New York State D.E.C.
Job ID: 480-176997-1
Project/Site: 10 East Chester St Off-site #C356032A

GC/MS VOA

Analysis Batch: 555531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-176997-1	MW-3	Total/NA	Water	8260C	
480-176997-2	MW-2	Total/NA	Water	8260C	
480-176997-3	MW-1	Total/NA	Water	8260C	
480-176997-4	MW-4	Total/NA	Water	8260C	
480-176997-5	MW-5	Total/NA	Water	8260C	
480-176997-6	MW-6	Total/NA	Water	8260C	
MB 480-555531/7	Method Blank	Total/NA	Water	8260C	
LCS 480-555531/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-176997-1
Project/Site: 10 East Chester St Off-site #C356032A

Client Sample ID: MW-3
Lab Sample ID: 480-176997-1
Date Collected: 10/20/20 10:05
Matrix: Water
Date Received: 10/23/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	555531	10/24/20 12:21	AMM	TAL BUF

Client Sample ID: MW-2
Lab Sample ID: 480-176997-2
Date Collected: 10/20/20 11:25
Matrix: Water
Date Received: 10/23/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	555531	10/24/20 12:44	AMM	TAL BUF

Client Sample ID: MW-1
Lab Sample ID: 480-176997-3
Date Collected: 10/20/20 13:00
Matrix: Water
Date Received: 10/23/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	555531	10/24/20 13:07	AMM	TAL BUF

Client Sample ID: MW-4
Lab Sample ID: 480-176997-4
Date Collected: 10/20/20 14:40
Matrix: Water
Date Received: 10/23/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		40	555531	10/24/20 13:30	AMM	TAL BUF

Client Sample ID: MW-5
Lab Sample ID: 480-176997-5
Date Collected: 10/21/20 08:45
Matrix: Water
Date Received: 10/23/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	555531	10/24/20 13:53	AMM	TAL BUF

Client Sample ID: MW-6
Lab Sample ID: 480-176997-6
Date Collected: 10/21/20 10:00
Matrix: Water
Date Received: 10/23/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	555531	10/24/20 14:16	AMM	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-176997-1
Project/Site: 10 East Chester St Off-site #C356032A

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

Method Summary

Client: New York State D.E.C.
Job ID: 480-176997-1
Project/Site: 10 East Chester St Off-site #C356032A

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Job ID: 480-176997-1
Project/Site: 10 East Chester St Off-site #C356032A

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-176997-1	MW-3	Water	10/20/20 10:05	10/23/20 08:00	
480-176997-2	MW-2	Water	10/20/20 11:25	10/23/20 08:00	
480-176997-3	MW-1	Water	10/20/20 13:00	10/23/20 08:00	
480-176997-4	MW-4	Water	10/20/20 14:40	10/23/20 08:00	
480-176997-5	MW-5	Water	10/21/20 08:45	10/23/20 08:00	
480-176997-6	MW-6	Water	10/21/20 10:00	10/23/20 08:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Albany #224

Chain of Custody Record

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Client Information	Sampler: Tom Giamichael	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-151810-33741.1
Client Contact: Tom Giamichael	Phone: 518-337-7635	E-Mail: Judy.Stone@Eurofinset.com		Page: Page ~~2~~ ~~of 2~~ Pg. 1
Company: Aztech Technologies Inc				Job #:
Address: 5 McCrea Hill Road	Due Date Requested:			
City: Ballston Spa	TAT Requested (days):			
State, Zip: NY, 12020				
Phone:	PO #: CallOut ID: 137996			
Email: tgiamichael@aztechenv.com	WO #:			
Project Name: 10 East Chester St Off-site #C356032A	Project #: 48022867			
Site:	SSOW#:			

Analysis Requested

480-176997 Chain of Custody

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL + CP-51 List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-3	10/20/20	10:05	G	Water		N	X	3	
MW-2	10/20/20	11:25		Water			X	3	
MW-1	10/20/20	13:00		Water			X	3	
MW-4	10/20/20	14:40		Water			X	3	
MW-5	10/21/20	8:45		Water			X	3	
MW-6	10/21/20	10:00		Water			X	3	
				Water					
				Water					
				Water					
				Water					
				Water					

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) Cat B

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Tom G	10/22/20 15:00	AZT	Karl Sadler	10/22/20 1500	Eurofins
2	Karl Sadler	10/22/20 1700	Eurofins			
3				Gil	10/23/20 806	TAT

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.5 #1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-176997-1

Login Number: 176997

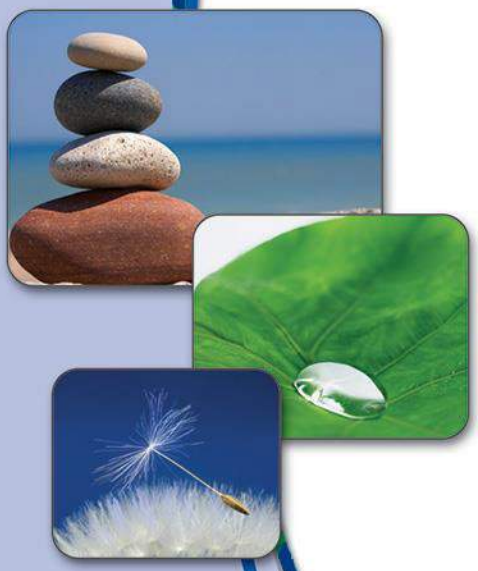
List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	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	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AZTECH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-176997-2
Client Project/Site: 10 East Chester St Off-site #C356032A

For:
New York State D.E.C.
625 Broadway/3rd Floor
Albany, New York 12233-5254

Attn: Parag B Amin

Authorized for release by:
10/27/2020 7:03:56 PM

Judy Stone, Senior Project Manager
(484)685-0868
Judy.Stone@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Judy Stone
Senior Project Manager
10/27/2020 7:03:56 PM

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Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-176997-2
Project/Site: 10 East Chester St Off-site #C356032A

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
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

Job ID: 480-176997-2

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-176997-2

Receipt
The samples were received on 10/23/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.5º C.

GC/MS VOA
Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: FD-1 (480-176997-9), MW-7 (480-176997-11), MW-7 (480-176997-11[MS]) and MW-7 (480-176997-11[MSD]). 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.

Detection Summary

Client: New York State D.E.C.
Job ID: 480-176997-2
Project/Site: 10 East Chester St Off-site #C356032A

Client Sample ID: MW-9
Lab Sample ID: 480-176997-7

No Detections.

Client Sample ID: MW-10
Lab Sample ID: 480-176997-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl tert-butyl ether	9.9		1.0	0.16	ug/L	1		8260C	Total/NA

Client Sample ID: FD-1
Lab Sample ID: 480-176997-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	21		10	8.1	ug/L	10		8260C	Total/NA
Tetrachloroethene	590		10	3.6	ug/L	10		8260C	Total/NA
Trichloroethene	130		10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: MW-8
Lab Sample ID: 480-176997-10

No Detections.

Client Sample ID: MW-7
Lab Sample ID: 480-176997-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	20		10	8.1	ug/L	10		8260C	Total/NA
Tetrachloroethene	520		10	3.6	ug/L	10		8260C	Total/NA
Trichloroethene	130		10	4.6	ug/L	10		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 480-176997-2
Project/Site: 10 East Chester St Off-site #C356032A

Client Sample ID: MW-9
Lab Sample ID: 480-176997-7
Date Collected: 10/19/20 12:50
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/24/20 14:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/24/20 14:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/24/20 14:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/24/20 14:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/24/20 14:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/24/20 14:39	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/20 14:39	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/24/20 14:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/24/20 14:39	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/24/20 14:39	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/20 14:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/24/20 14:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/24/20 14:39	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/24/20 14:39	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/20 14:39	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/20 14:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/20 14:39	1
2-Hexanone	ND		5.0	1.2	ug/L			10/24/20 14:39	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			10/24/20 14:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/24/20 14:39	1
Acetone	ND		10	3.0	ug/L			10/24/20 14:39	1
Benzene	ND		1.0	0.41	ug/L			10/24/20 14:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/24/20 14:39	1
Bromoform	ND		1.0	0.26	ug/L			10/24/20 14:39	1
Bromomethane	ND		1.0	0.69	ug/L			10/24/20 14:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/24/20 14:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/24/20 14:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/24/20 14:39	1
Chloroethane	ND		1.0	0.32	ug/L			10/24/20 14:39	1
Chloroform	ND		1.0	0.34	ug/L			10/24/20 14:39	1
Chloromethane	ND		1.0	0.35	ug/L			10/24/20 14:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/24/20 14:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/24/20 14:39	1
Cyclohexane	ND		1.0	0.18	ug/L			10/24/20 14:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/24/20 14:39	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/24/20 14:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/20 14:39	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/24/20 14:39	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/24/20 14:39	1
Methyl acetate	ND		2.5	1.3	ug/L			10/24/20 14:39	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/24/20 14:39	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/24/20 14:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/24/20 14:39	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/20 14:39	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/24/20 14:39	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/24/20 14:39	1
o-Xylene	ND		1.0	0.76	ug/L			10/24/20 14:39	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/24/20 14:39	1
Styrene	ND		1.0	0.73	ug/L			10/24/20 14:39	1

Client Sample ID: MW-9

Lab Sample ID: 480-176997-7

Date Collected: 10/19/20 12:50

Matrix: Water

Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/24/20 14:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/24/20 14:39	1
Toluene	ND		1.0	0.51	ug/L			10/24/20 14:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/24/20 14:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/24/20 14:39	1
Trichloroethene	ND		1.0	0.46	ug/L			10/24/20 14:39	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/24/20 14:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/20 14:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/20 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*10/24/20 14:39*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/24/20 14:39*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*10/24/20 14:39*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/24/20 14:39*	*1*

Client Sample ID: MW-10

Lab Sample ID: 480-176997-8

Date Collected: 10/19/20 14:00

Matrix: Water

Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/24/20 15:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/24/20 15:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/24/20 15:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/24/20 15:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/24/20 15:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/24/20 15:02	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/20 15:02	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/24/20 15:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/24/20 15:02	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/24/20 15:02	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/20 15:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/24/20 15:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/24/20 15:02	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/24/20 15:02	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/20 15:02	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/20 15:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/20 15:02	1
2-Hexanone	ND		5.0	1.2	ug/L			10/24/20 15:02	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			10/24/20 15:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/24/20 15:02	1
Acetone	ND		10	3.0	ug/L			10/24/20 15:02	1
Benzene	ND		1.0	0.41	ug/L			10/24/20 15:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/24/20 15:02	1
Bromoform	ND		1.0	0.26	ug/L			10/24/20 15:02	1
Bromomethane	ND		1.0	0.69	ug/L			10/24/20 15:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/24/20 15:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/24/20 15:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/24/20 15:02	1

Client: New York State D.E.C.
Job ID: 480-176997-2
Project/Site: 10 East Chester St Off-site #C356032A

Client Sample ID: MW-10
Lab Sample ID: 480-176997-8
Date Collected: 10/19/20 14:00
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	ND		1.0	0.32	ug/L			10/24/20 15:02	1
Chloroform	ND		1.0	0.34	ug/L			10/24/20 15:02	1
Chloromethane	ND		1.0	0.35	ug/L			10/24/20 15:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/24/20 15:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/24/20 15:02	1
Cyclohexane	ND		1.0	0.18	ug/L			10/24/20 15:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/24/20 15:02	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/24/20 15:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/20 15:02	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/24/20 15:02	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/24/20 15:02	1
Methyl acetate	ND		2.5	1.3	ug/L			10/24/20 15:02	1
Methyl tert-butyl ether	**9.9**		1.0	0.16	ug/L			10/24/20 15:02	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/24/20 15:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/24/20 15:02	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/20 15:02	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/24/20 15:02	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/24/20 15:02	1
o-Xylene	ND		1.0	0.76	ug/L			10/24/20 15:02	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/24/20 15:02	1
Styrene	ND		1.0	0.73	ug/L			10/24/20 15:02	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/24/20 15:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/24/20 15:02	1
Toluene	ND		1.0	0.51	ug/L			10/24/20 15:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/24/20 15:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/24/20 15:02	1
Trichloroethene	ND		1.0	0.46	ug/L			10/24/20 15:02	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/24/20 15:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/20 15:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/20 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*10/24/20 15:02*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*10/24/20 15:02*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*10/24/20 15:02*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/24/20 15:02*	*1*

Client Sample ID: FD-1
Lab Sample ID: 480-176997-9
Date Collected: 10/19/20 00:00
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			10/24/20 15:25	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			10/24/20 15:25	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			10/24/20 15:25	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			10/24/20 15:25	10
1,1-Dichloroethane	ND		10	3.8	ug/L			10/24/20 15:25	10
1,1-Dichloroethene	ND		10	2.9	ug/L			10/24/20 15:25	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			10/24/20 15:25	10

Client: New York State D.E.C.
Job ID: 480-176997-2
Project/Site: 10 East Chester St Off-site #C356032A

Client Sample ID: FD-1
Lab Sample ID: 480-176997-9
Date Collected: 10/19/20 00:00
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		10	7.5	ug/L			10/24/20 15:25	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			10/24/20 15:25	10
1,2-Dibromoethane	ND		10	7.3	ug/L			10/24/20 15:25	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			10/24/20 15:25	10
1,2-Dichloroethane	ND		10	2.1	ug/L			10/24/20 15:25	10
1,2-Dichloropropane	ND		10	7.2	ug/L			10/24/20 15:25	10
1,3,5-Trimethylbenzene	ND		10	7.7	ug/L			10/24/20 15:25	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			10/24/20 15:25	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			10/24/20 15:25	10
2-Butanone (MEK)	ND		100	13	ug/L			10/24/20 15:25	10
2-Hexanone	ND		50	12	ug/L			10/24/20 15:25	10
4-Isopropyltoluene	ND		10	3.1	ug/L			10/24/20 15:25	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			10/24/20 15:25	10
Acetone	ND		100	30	ug/L			10/24/20 15:25	10
Benzene	ND		10	4.1	ug/L			10/24/20 15:25	10
Bromodichloromethane	ND		10	3.9	ug/L			10/24/20 15:25	10
Bromoform	ND		10	2.6	ug/L			10/24/20 15:25	10
Bromomethane	ND		10	6.9	ug/L			10/24/20 15:25	10
Carbon disulfide	ND		10	1.9	ug/L			10/24/20 15:25	10
Carbon tetrachloride	ND		10	2.7	ug/L			10/24/20 15:25	10
Chlorobenzene	ND		10	7.5	ug/L			10/24/20 15:25	10
Chloroethane	ND		10	3.2	ug/L			10/24/20 15:25	10
Chloroform	ND		10	3.4	ug/L			10/24/20 15:25	10
Chloromethane	ND		10	3.5	ug/L			10/24/20 15:25	10
cis-1,2-Dichloroethene	**21**		10	8.1	ug/L			10/24/20 15:25	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			10/24/20 15:25	10
Cyclohexane	ND		10	1.8	ug/L			10/24/20 15:25	10
Dibromochloromethane	ND		10	3.2	ug/L			10/24/20 15:25	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			10/24/20 15:25	10
Ethylbenzene	ND		10	7.4	ug/L			10/24/20 15:25	10
Isopropylbenzene	ND		10	7.9	ug/L			10/24/20 15:25	10
m,p-Xylene	ND		20	6.6	ug/L			10/24/20 15:25	10
Methyl acetate	ND		25	13	ug/L			10/24/20 15:25	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			10/24/20 15:25	10
Methylcyclohexane	ND		10	1.6	ug/L			10/24/20 15:25	10
Methylene Chloride	ND		10	4.4	ug/L			10/24/20 15:25	10
Naphthalene	ND		10	4.3	ug/L			10/24/20 15:25	10
n-Butylbenzene	ND		10	6.4	ug/L			10/24/20 15:25	10
N-Propylbenzene	ND		10	6.9	ug/L			10/24/20 15:25	10
o-Xylene	ND		10	7.6	ug/L			10/24/20 15:25	10
sec-Butylbenzene	ND		10	7.5	ug/L			10/24/20 15:25	10
Styrene	ND		10	7.3	ug/L			10/24/20 15:25	10
tert-Butylbenzene	ND		10	8.1	ug/L			10/24/20 15:25	10
Tetrachloroethene	**590**		10	3.6	ug/L			10/24/20 15:25	10
Toluene	ND		10	5.1	ug/L			10/24/20 15:25	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			10/24/20 15:25	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			10/24/20 15:25	10
Trichloroethene	**130**		10	4.6	ug/L			10/24/20 15:25	10
Trichlorofluoromethane	ND		10	8.8	ug/L			10/24/20 15:25	10

Client: New York State D.E.C.
Job ID: 480-176997-2
Project/Site: 10 East Chester St Off-site #C356032A

Client Sample ID: FD-1
Lab Sample ID: 480-176997-9
Date Collected: 10/19/20 00:00
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		10	9.0	ug/L			10/24/20 15:25	10
Xylenes, Total	ND		20	6.6	ug/L			10/24/20 15:25	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*10/24/20 15:25*	*10*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/24/20 15:25*	*10*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/24/20 15:25*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/24/20 15:25*	*10*

Client Sample ID: MW-8
Lab Sample ID: 480-176997-10
Date Collected: 10/19/20 15:10
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/24/20 15:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/24/20 15:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/24/20 15:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/24/20 15:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/24/20 15:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/24/20 15:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/20 15:48	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/24/20 15:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/24/20 15:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/24/20 15:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/20 15:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/24/20 15:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/24/20 15:48	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/24/20 15:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/20 15:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/20 15:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/20 15:48	1
2-Hexanone	ND		5.0	1.2	ug/L			10/24/20 15:48	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			10/24/20 15:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/24/20 15:48	1
Acetone	ND		10	3.0	ug/L			10/24/20 15:48	1
Benzene	ND		1.0	0.41	ug/L			10/24/20 15:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/24/20 15:48	1
Bromoform	ND		1.0	0.26	ug/L			10/24/20 15:48	1
Bromomethane	ND		1.0	0.69	ug/L			10/24/20 15:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/24/20 15:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/24/20 15:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/24/20 15:48	1
Chloroethane	ND		1.0	0.32	ug/L			10/24/20 15:48	1
Chloroform	ND		1.0	0.34	ug/L			10/24/20 15:48	1
Chloromethane	ND		1.0	0.35	ug/L			10/24/20 15:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/24/20 15:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/24/20 15:48	1
Cyclohexane	ND		1.0	0.18	ug/L			10/24/20 15:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/24/20 15:48	1

Client Sample ID: MW-8
Lab Sample ID: 480-176997-10

Date Collected: 10/19/20 15:10
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/24/20 15:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/20 15:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/24/20 15:48	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/24/20 15:48	1
Methyl acetate	ND		2.5	1.3	ug/L			10/24/20 15:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/24/20 15:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/24/20 15:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/24/20 15:48	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/20 15:48	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/24/20 15:48	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/24/20 15:48	1
o-Xylene	ND		1.0	0.76	ug/L			10/24/20 15:48	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/24/20 15:48	1
Styrene	ND		1.0	0.73	ug/L			10/24/20 15:48	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/24/20 15:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/24/20 15:48	1
Toluene	ND		1.0	0.51	ug/L			10/24/20 15:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/24/20 15:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/24/20 15:48	1
Trichloroethene	ND		1.0	0.46	ug/L			10/24/20 15:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/24/20 15:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/20 15:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/20 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*10/24/20 15:48*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/24/20 15:48*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*10/24/20 15:48*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/24/20 15:48*	*1*

Client Sample ID: MW-7
Lab Sample ID: 480-176997-11

Date Collected: 10/20/20 08:55
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			10/24/20 16:11	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			10/24/20 16:11	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			10/24/20 16:11	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			10/24/20 16:11	10
1,1-Dichloroethane	ND		10	3.8	ug/L			10/24/20 16:11	10
1,1-Dichloroethene	ND		10	2.9	ug/L			10/24/20 16:11	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			10/24/20 16:11	10
1,2,4-Trimethylbenzene	ND		10	7.5	ug/L			10/24/20 16:11	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			10/24/20 16:11	10
1,2-Dibromoethane	ND		10	7.3	ug/L			10/24/20 16:11	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			10/24/20 16:11	10
1,2-Dichloroethane	ND		10	2.1	ug/L			10/24/20 16:11	10
1,2-Dichloropropane	ND		10	7.2	ug/L			10/24/20 16:11	10
1,3,5-Trimethylbenzene	ND		10	7.7	ug/L			10/24/20 16:11	10

Client: New York State D.E.C.
Job ID: 480-176997-2
Project/Site: 10 East Chester St Off-site #C356032A

Client Sample ID: MW-7
Lab Sample ID: 480-176997-11
Date Collected: 10/20/20 08:55
Matrix: Water
Date Received: 10/23/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	7.8	ug/L			10/24/20 16:11	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			10/24/20 16:11	10
2-Butanone (MEK)	ND		100	13	ug/L			10/24/20 16:11	10
2-Hexanone	ND		50	12	ug/L			10/24/20 16:11	10
4-Isopropyltoluene	ND		10	3.1	ug/L			10/24/20 16:11	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			10/24/20 16:11	10
Acetone	ND		100	30	ug/L			10/24/20 16:11	10
Benzene	ND		10	4.1	ug/L			10/24/20 16:11	10
Bromodichloromethane	ND		10	3.9	ug/L			10/24/20 16:11	10
Bromoform	ND		10	2.6	ug/L			10/24/20 16:11	10
Bromomethane	ND		10	6.9	ug/L			10/24/20 16:11	10
Carbon disulfide	ND		10	1.9	ug/L			10/24/20 16:11	10
Carbon tetrachloride	ND		10	2.7	ug/L			10/24/20 16:11	10
Chlorobenzene	ND		10	7.5	ug/L			10/24/20 16:11	10
Chloroethane	ND		10	3.2	ug/L			10/24/20 16:11	10
Chloroform	ND		10	3.4	ug/L			10/24/20 16:11	10
Chloromethane	ND		10	3.5	ug/L			10/24/20 16:11	10
cis-1,2-Dichloroethene	**20**		10	8.1	ug/L			10/24/20 16:11	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			10/24/20 16:11	10
Cyclohexane	ND		10	1.8	ug/L			10/24/20 16:11	10
Dibromochloromethane	ND		10	3.2	ug/L			10/24/20 16:11	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			10/24/20 16:11	10
Ethylbenzene	ND		10	7.4	ug/L			10/24/20 16:11	10
Isopropylbenzene	ND		10	7.9	ug/L			10/24/20 16:11	10
m,p-Xylene	ND		20	6.6	ug/L			10/24/20 16:11	10
Methyl acetate	ND		25	13	ug/L			10/24/20 16:11	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			10/24/20 16:11	10
Methylcyclohexane	ND		10	1.6	ug/L			10/24/20 16:11	10
Methylene Chloride	ND		10	4.4	ug/L			10/24/20 16:11	10
Naphthalene	ND		10	4.3	ug/L			10/24/20 16:11	10
n-Butylbenzene	ND		10	6.4	ug/L			10/24/20 16:11	10
N-Propylbenzene	ND		10	6.9	ug/L			10/24/20 16:11	10
o-Xylene	ND		10	7.6	ug/L			10/24/20 16:11	10
sec-Butylbenzene	ND		10	7.5	ug/L			10/24/20 16:11	10
Styrene	ND		10	7.3	ug/L			10/24/20 16:11	10
tert-Butylbenzene	ND		10	8.1	ug/L			10/24/20 16:11	10
Tetrachloroethene	**520**		10	3.6	ug/L			10/24/20 16:11	10
Toluene	ND		10	5.1	ug/L			10/24/20 16:11	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			10/24/20 16:11	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			10/24/20 16:11	10
Trichloroethene	**130**		10	4.6	ug/L			10/24/20 16:11	10
Trichlorofluoromethane	ND		10	8.8	ug/L			10/24/20 16:11	10
Vinyl chloride	ND		10	9.0	ug/L			10/24/20 16:11	10
Xylenes, Total	ND		20	6.6	ug/L			10/24/20 16:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/24/20 16:11*	*10*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/24/20 16:11*	*10*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/24/20 16:11*	*10*
Toluene-d8 (Surr)	*95*		*80 - 120*		*10/24/20 16:11*	*10*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: 10 East Chester St Off-site #C356032A

Job ID: 480-176997-2

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-176997-7	MW-9	103	104	108	99
480-176997-8	MW-10	99	102	104	101
480-176997-9	FD-1	102	101	102	99
480-176997-10	MW-8	94	104	101	97
480-176997-11	MW-7	107	104	106	95
480-176997-11 MS	MW-7	103	104	108	101
480-176997-11 MSD	MW-7	106	100	109	98
LCS 480-555531/5	Lab Control Sample	99	108	105	101
MB 480-555531/7	Method Blank	110	107	106	100

Surrogate Legend

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

Client: New York State D.E.C.
Job ID: 480-176997-2
Project/Site: 10 East Chester St Off-site #C356032A

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

Lab Sample ID: MB 480-555531/7
Matrix: Water
Analysis Batch: 555531

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/24/20 09:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/24/20 09:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/24/20 09:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/24/20 09:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/24/20 09:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/24/20 09:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/24/20 09:25	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/24/20 09:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/24/20 09:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/24/20 09:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/24/20 09:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/24/20 09:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/24/20 09:25	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/24/20 09:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/24/20 09:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/24/20 09:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/24/20 09:25	1
2-Hexanone	ND		5.0	1.2	ug/L			10/24/20 09:25	1
4-Isopropyltoluene	ND		1.0	0.31	ug/L			10/24/20 09:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/24/20 09:25	1
Acetone	ND		10	3.0	ug/L			10/24/20 09:25	1
Benzene	ND		1.0	0.41	ug/L			10/24/20 09:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/24/20 09:25	1
Bromoform	ND		1.0	0.26	ug/L			10/24/20 09:25	1
Bromomethane	ND		1.0	0.69	ug/L			10/24/20 09:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/24/20 09:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/24/20 09:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/24/20 09:25	1
Chloroethane	ND		1.0	0.32	ug/L			10/24/20 09:25	1
Chloroform	ND		1.0	0.34	ug/L			10/24/20 09:25	1
Chloromethane	ND		1.0	0.35	ug/L			10/24/20 09:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/24/20 09:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/24/20 09:25	1
Cyclohexane	ND		1.0	0.18	ug/L			10/24/20 09:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/24/20 09:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/24/20 09:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/24/20 09:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/24/20 09:25	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/24/20 09:25	1
Methyl acetate	ND		2.5	1.3	ug/L			10/24/20 09:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/24/20 09:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/24/20 09:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/24/20 09:25	1
Naphthalene	ND		1.0	0.43	ug/L			10/24/20 09:25	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/24/20 09:25	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/24/20 09:25	1
o-Xylene	ND		1.0	0.76	ug/L			10/24/20 09:25	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/24/20 09:25	1

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

Lab Sample ID: MB 480-555531/7
Matrix: Water
Analysis Batch: 555531

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0	0.73	ug/L			10/24/20 09:25	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/24/20 09:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/24/20 09:25	1
Toluene	ND		1.0	0.51	ug/L			10/24/20 09:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/24/20 09:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/24/20 09:25	1
Trichloroethene	ND		1.0	0.46	ug/L			10/24/20 09:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/24/20 09:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/24/20 09:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/24/20 09:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*10/24/20 09:25*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/24/20 09:25*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/24/20 09:25*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/24/20 09:25*	*1*

Lab Sample ID: LCS 480-555531/5
Matrix: Water
Analysis Batch: 555531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.5		ug/L		102	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.8		ug/L		95	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.2		ug/L		109	61 - 148
1,1,2-Trichloroethane	25.0	27.4		ug/L		110	76 - 122
1,1-Dichloroethane	25.0	26.6		ug/L		106	77 - 120
1,1-Dichloroethene	25.0	27.2		ug/L		109	66 - 127
1,2,4-Trichlorobenzene	25.0	25.7		ug/L		103	79 - 122
1,2,4-Trimethylbenzene	25.0	25.5		ug/L		102	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	25.6		ug/L		102	56 - 134
1,2-Dibromoethane	25.0	25.1		ug/L		100	77 - 120
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	26.2		ug/L		105	75 - 120
1,2-Dichloropropane	25.0	27.0		ug/L		108	76 - 120
1,3,5-Trimethylbenzene	25.0	25.3		ug/L		101	77 - 121
1,3-Dichlorobenzene	25.0	25.5		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	25.1		ug/L		100	80 - 120
2-Butanone (MEK)	125	143		ug/L		115	57 - 140
2-Hexanone	125	135		ug/L		108	65 - 127
4-Isopropyltoluene	25.0	25.6		ug/L		102	73 - 120
4-Methyl-2-pentanone (MIBK)	125	136		ug/L		109	71 - 125
Acetone	125	138		ug/L		111	56 - 142
Benzene	25.0	26.1		ug/L		104	71 - 124
Bromodichloromethane	25.0	25.6		ug/L		103	80 - 122
Bromoform	25.0	25.7		ug/L		103	61 - 132
Bromomethane	25.0	22.3		ug/L		89	55 - 144
Carbon disulfide	25.0	25.7		ug/L		103	59 - 134

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

Lab Sample ID: LCS 480-555531/5
Matrix: Water
Analysis Batch: 555531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	25.0	28.5		ug/L		114	72 - 134
Chlorobenzene	25.0	26.5		ug/L		106	80 - 120
Chloroethane	25.0	21.0		ug/L		84	69 - 136
Chloroform	25.0	25.5		ug/L		102	73 - 127
Chloromethane	25.0	24.0		ug/L		96	68 - 124
cis-1,2-Dichloroethene	25.0	24.9		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	25.6		ug/L		102	74 - 124
Cyclohexane	25.0	27.4		ug/L		110	59 - 135
Dibromochloromethane	25.0	26.2		ug/L		105	75 - 125
Dichlorodifluoromethane	25.0	24.2		ug/L		97	59 - 135
Ethylbenzene	25.0	26.3		ug/L		105	77 - 123
Isopropylbenzene	25.0	24.8		ug/L		99	77 - 122
m,p-Xylene	25.0	25.7		ug/L		103	76 - 122
Methyl acetate	50.0	56.1		ug/L		112	74 - 133
Methyl tert-butyl ether	25.0	26.7		ug/L		107	77 - 120
Methylcyclohexane	25.0	28.2		ug/L		113	68 - 134
Methylene Chloride	25.0	25.9		ug/L		104	75 - 124
Naphthalene	25.0	25.4		ug/L		101	66 - 125
n-Butylbenzene	25.0	25.8		ug/L		103	71 - 128
N-Propylbenzene	25.0	24.4		ug/L		98	75 - 127
o-Xylene	25.0	25.8		ug/L		103	76 - 122
sec-Butylbenzene	25.0	25.8		ug/L		103	74 - 127
Styrene	25.0	26.6		ug/L		106	80 - 120
tert-Butylbenzene	25.0	25.5		ug/L		102	75 - 123
Tetrachloroethene	25.0	26.7		ug/L		107	74 - 122
Toluene	25.0	26.8		ug/L		107	80 - 122
trans-1,2-Dichloroethene	25.0	26.8		ug/L		107	73 - 127
trans-1,3-Dichloropropene	25.0	26.3		ug/L		105	80 - 120
Trichloroethene	25.0	26.2		ug/L		105	74 - 123
Trichlorofluoromethane	25.0	26.1		ug/L		104	62 - 150
Vinyl chloride	25.0	23.7		ug/L		95	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 480-176997-11 MS
Matrix: Water
Analysis Batch: 555531

Client Sample ID: MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		250	264		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	ND		250	243		ug/L		97	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroetha ne	ND		250	261		ug/L		104	61 - 148
1,1,2-Trichloroethane	ND		250	262		ug/L		105	76 - 122
1,1-Dichloroethane	ND		250	264		ug/L		106	77 - 120

Client: New York State D.E.C.
Job ID: 480-176997-2
Project/Site: 10 East Chester St Off-site #C356032A

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

Lab Sample ID: 480-176997-11 MS
Matrix: Water
Analysis Batch: 555531

Client Sample ID: MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		250	257		ug/L		103	66 - 127
1,2,4-Trichlorobenzene	ND		250	250		ug/L		100	79 - 122
1,2,4-Trimethylbenzene	ND		250	250		ug/L		100	76 - 121
1,2-Dibromo-3-Chloropropane	ND		250	223		ug/L		89	56 - 134
1,2-Dibromoethane	ND		250	256		ug/L		102	77 - 120
1,2-Dichlorobenzene	ND		250	249		ug/L		100	80 - 124
1,2-Dichloroethane	ND		250	256		ug/L		102	75 - 120
1,2-Dichloropropane	ND		250	261		ug/L		104	76 - 120
1,3,5-Trimethylbenzene	ND		250	250		ug/L		100	77 - 121
1,3-Dichlorobenzene	ND		250	253		ug/L		101	77 - 120
1,4-Dichlorobenzene	ND		250	248		ug/L		99	78 - 124
2-Butanone (MEK)	ND		1250	1430		ug/L		114	57 - 140
2-Hexanone	ND		1250	1420		ug/L		113	65 - 127
4-Isopropyltoluene	ND		250	256		ug/L		103	73 - 120
4-Methyl-2-pentanone (MIBK)	ND		1250	1390		ug/L		111	71 - 125
Acetone	ND		1250	1320		ug/L		106	56 - 142
Benzene	ND		250	258		ug/L		103	71 - 124
Bromodichloromethane	ND		250	246		ug/L		99	80 - 122
Bromoform	ND		250	250		ug/L		100	61 - 132
Bromomethane	ND		250	229		ug/L		91	55 - 144
Carbon disulfide	ND		250	227		ug/L		91	59 - 134
Carbon tetrachloride	ND		250	265		ug/L		106	72 - 134
Chlorobenzene	ND		250	265		ug/L		106	80 - 120
Chloroethane	ND		250	209		ug/L		83	69 - 136
Chloroform	ND		250	258		ug/L		103	73 - 127
Chloromethane	ND		250	236		ug/L		94	68 - 124
cis-1,2-Dichloroethene	20		250	274		ug/L		102	74 - 124
cis-1,3-Dichloropropene	ND		250	238		ug/L		95	74 - 124
Cyclohexane	ND		250	326		ug/L		130	59 - 135
Dibromochloromethane	ND		250	250		ug/L		100	75 - 125
Dichlorodifluoromethane	ND		250	254		ug/L		102	59 - 135
Ethylbenzene	ND		250	264		ug/L		106	77 - 123
Isopropylbenzene	ND		250	251		ug/L		100	77 - 122
m,p-Xylene	ND		250	255		ug/L		102	76 - 122
Methyl acetate	ND		500	601		ug/L		120	74 - 133
Methyl tert-butyl ether	ND		250	261		ug/L		105	77 - 120
Methylcyclohexane	ND		250	282		ug/L		113	68 - 134
Methylene Chloride	ND		250	259		ug/L		103	75 - 124
Naphthalene	ND		250	258		ug/L		103	66 - 125
n-Butylbenzene	ND		250	254		ug/L		102	71 - 128
N-Propylbenzene	ND		250	244		ug/L		98	75 - 127
o-Xylene	ND		250	262		ug/L		105	76 - 122
sec-Butylbenzene	ND		250	255		ug/L		102	74 - 127
Styrene	ND		250	264		ug/L		105	80 - 120
tert-Butylbenzene	ND		250	250		ug/L		100	75 - 123
Tetrachloroethene	520		250	814		ug/L		118	74 - 122
Toluene	ND		250	261		ug/L		104	80 - 122
trans-1,2-Dichloroethene	ND		250	271		ug/L		108	73 - 127
trans-1,3-Dichloropropene	ND		250	244		ug/L		97	80 - 120

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

Lab Sample ID: 480-176997-11 MS
Matrix: Water
Analysis Batch: 555531

Client Sample ID: MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	130		250	378		ug/L		99	74 - 123
Trichlorofluoromethane	ND		250	273		ug/L		109	62 - 150
Vinyl chloride	ND		250	242		ug/L		97	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 480-176997-11 MSD
Matrix: Water
Analysis Batch: 555531

Client Sample ID: MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		250	263		ug/L		105	73 - 126	1	15
1,1,2,2-Tetrachloroethane	ND		250	247		ug/L		99	76 - 120	2	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	263		ug/L		105	61 - 148	1	20
1,1,2-Trichloroethane	ND		250	279		ug/L		111	76 - 122	6	15
1,1-Dichloroethane	ND		250	260		ug/L		104	77 - 120	2	20
1,1-Dichloroethene	ND		250	266		ug/L		106	66 - 127	3	16
1,2,4-Trichlorobenzene	ND		250	258		ug/L		103	79 - 122	3	20
1,2,4-Trimethylbenzene	ND		250	251		ug/L		100	76 - 121	0	20
1,2-Dibromo-3-Chloropropane	ND		250	252		ug/L		101	56 - 134	12	15
1,2-Dibromoethane	ND		250	249		ug/L		100	77 - 120	3	15
1,2-Dichlorobenzene	ND		250	252		ug/L		101	80 - 124	1	20
1,2-Dichloroethane	ND		250	257		ug/L		103	75 - 120	0	20
1,2-Dichloropropane	ND		250	258		ug/L		103	76 - 120	1	20
1,3,5-Trimethylbenzene	ND		250	252		ug/L		101	77 - 121	1	20
1,3-Dichlorobenzene	ND		250	251		ug/L		100	77 - 120	1	20
1,4-Dichlorobenzene	ND		250	250		ug/L		100	78 - 124	1	20
2-Butanone (MEK)	ND		1250	1400		ug/L		112	57 - 140	2	20
2-Hexanone	ND		1250	1370		ug/L		110	65 - 127	3	15
4-Isopropyltoluene	ND		250	254		ug/L		102	73 - 120	1	20
4-Methyl-2-pentanone (MIBK)	ND		1250	1370		ug/L		110	71 - 125	1	35
Acetone	ND		1250	1360		ug/L		109	56 - 142	3	15
Benzene	ND		250	257		ug/L		103	71 - 124	0	13
Bromodichloromethane	ND		250	239		ug/L		96	80 - 122	3	15
Bromoform	ND		250	227		ug/L		91	61 - 132	10	15
Bromomethane	ND		250	222		ug/L		89	55 - 144	3	15
Carbon disulfide	ND		250	222		ug/L		89	59 - 134	2	15
Carbon tetrachloride	ND		250	264		ug/L		106	72 - 134	0	15
Chlorobenzene	ND		250	257		ug/L		103	80 - 120	3	25
Chloroethane	ND		250	215		ug/L		86	69 - 136	3	15
Chloroform	ND		250	245		ug/L		98	73 - 127	5	20
Chloromethane	ND		250	231		ug/L		92	68 - 124	2	15
cis-1,2-Dichloroethene	20		250	273		ug/L		101	74 - 124	0	15
cis-1,3-Dichloropropene	ND		250	239		ug/L		95	74 - 124	0	15

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

Lab Sample ID: 480-176997-11 MSD
Matrix: Water
Analysis Batch: 555531

Client Sample ID: MW-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyclohexane	ND		250	314		ug/L		126	59 - 135	4	20
Dibromochloromethane	ND		250	237		ug/L		95	75 - 125	5	15
Dichlorodifluoromethane	ND		250	244		ug/L		98	59 - 135	4	20
Ethylbenzene	ND		250	247		ug/L		99	77 - 123	7	15
Isopropylbenzene	ND		250	248		ug/L		99	77 - 122	1	20
m,p-Xylene	ND		250	246		ug/L		98	76 - 122	4	16
Methyl acetate	ND		500	604		ug/L		121	74 - 133	1	20
Methyl tert-butyl ether	ND		250	259		ug/L		104	77 - 120	1	37
Methylcyclohexane	ND		250	267		ug/L		107	68 - 134	5	20
Methylene Chloride	ND		250	253		ug/L		101	75 - 124	2	15
Naphthalene	ND		250	259		ug/L		104	66 - 125	1	20
n-Butylbenzene	ND		250	252		ug/L		101	71 - 128	1	15
N-Propylbenzene	ND		250	243		ug/L		97	75 - 127	1	15
o-Xylene	ND		250	249		ug/L		100	76 - 122	5	16
sec-Butylbenzene	ND		250	257		ug/L		103	74 - 127	1	15
Styrene	ND		250	257		ug/L		103	80 - 120	2	20
tert-Butylbenzene	ND		250	252		ug/L		101	75 - 123	1	15
Tetrachloroethene	520		250	790		ug/L		108	74 - 122	3	20
Toluene	ND		250	248		ug/L		99	80 - 122	5	15
trans-1,2-Dichloroethene	ND		250	268		ug/L		107	73 - 127	1	20
trans-1,3-Dichloropropene	ND		250	243		ug/L		97	80 - 120	0	15
Trichloroethene	130		250	378		ug/L		99	74 - 123	0	16
Trichlorofluoromethane	ND		250	270		ug/L		108	62 - 150	1	20
Vinyl chloride	ND		250	244		ug/L		97	65 - 133	1	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*109*		*75 - 123*
Toluene-d8 (Surr)	*98*		*80 - 120*

QC Association Summary

Client: New York State D.E.C.
Job ID: 480-176997-2
Project/Site: 10 East Chester St Off-site #C356032A

GC/MS VOA

Analysis Batch: 555531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-176997-7	MW-9	Total/NA	Water	8260C	
480-176997-8	MW-10	Total/NA	Water	8260C	
480-176997-9	FD-1	Total/NA	Water	8260C	
480-176997-10	MW-8	Total/NA	Water	8260C	
480-176997-11	MW-7	Total/NA	Water	8260C	
MB 480-555531/7	Method Blank	Total/NA	Water	8260C	
LCS 480-555531/5	Lab Control Sample	Total/NA	Water	8260C	
480-176997-11 MS	MW-7	Total/NA	Water	8260C	
480-176997-11 MSD	MW-7	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-176997-2
Project/Site: 10 East Chester St Off-site #C356032A

Client Sample ID: MW-9
Lab Sample ID: 480-176997-7
Date Collected: 10/19/20 12:50
Matrix: Water
Date Received: 10/23/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	555531	10/24/20 14:39	AMM	TAL BUF

Client Sample ID: MW-10
Lab Sample ID: 480-176997-8
Date Collected: 10/19/20 14:00
Matrix: Water
Date Received: 10/23/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	555531	10/24/20 15:02	AMM	TAL BUF

Client Sample ID: FD-1
Lab Sample ID: 480-176997-9
Date Collected: 10/19/20 00:00
Matrix: Water
Date Received: 10/23/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	555531	10/24/20 15:25	AMM	TAL BUF

Client Sample ID: MW-8
Lab Sample ID: 480-176997-10
Date Collected: 10/19/20 15:10
Matrix: Water
Date Received: 10/23/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	555531	10/24/20 15:48	AMM	TAL BUF

Client Sample ID: MW-7
Lab Sample ID: 480-176997-11
Date Collected: 10/20/20 08:55
Matrix: Water
Date Received: 10/23/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	555531	10/24/20 16:11	AMM	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-176997-2
Project/Site: 10 East Chester St Off-site #C356032A

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

Method Summary

Client: New York State D.E.C.
Job ID: 480-176997-2
Project/Site: 10 East Chester St Off-site #C356032A

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Job ID: 480-176997-2
Project/Site: 10 East Chester St Off-site #C356032A

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-176997-7	MW-9	Water	10/19/20 12:50	10/23/20 08:00	
480-176997-8	MW-10	Water	10/19/20 14:00	10/23/20 08:00	
480-176997-9	FD-1	Water	10/19/20 00:00	10/23/20 08:00	
480-176997-10	MW-8	Water	10/19/20 15:10	10/23/20 08:00	
480-176997-11	MW-7	Water	10/20/20 08:55	10/23/20 08:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Albany Chain of Custody Record

eurofins | Environment Testing America

#224

Client Information	Sampler: Tom Giamichael	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-151810-33741.2
Client Contact: Tom Giamichael	Phone: 518-337-7735	E-Mail: Judy.Stone@Eurofinset.com		Page: Page 1 of 2 Pg. 1
Company: Aztech Technologies Inc				Job #:
Address: 5 McCrea Hill Road	Due Date Requested:	Analysis Requested		Preservation Codes:
City: Ballston Spa	TAT Requested (days):			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:
State, Zip: NY, 12020				
Phone:	PO #: CallOut ID: 137996			
Email: tgiamichael@aztechenv.com	WO #:			
Project Name: 10 East Chester St Off-site #C356032A	Project #: 48022867			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL + CP-51 List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
MW-9	10/19/20	12:50	G	Water			X	3	
MW-10	10/19/20	14:00		Water			X	3	
FD-1	—	~~15:10~~					X	3	
MW-8	10/19/20	15:10					X	3	
MW-7	10/20/20	8:55					X	3	
MW-7 MS	10/20/20	8:55				Y	X	3	Matrix Spike
MW-7 MSD	10/20/20	8:55				Y	X	3	Matrix Spike Dupe

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Tom Giamichael	10/22/20 1510		Karl Zadra	10/22/20 1500	Eurofins
Relinquished by: Karl Zadra	Date/Time: 10/22/20 1700	Company Eurofins	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-176997-2

Login Number: 176997

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	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	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AZTECH
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ATTACHMENT - E

NYSDOH Structural Sampling Questionnaire and Building Inventory Log

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: 10 EAST CHESTER Site Code: _____ Operable Unit: _____

Building Code: H1 Building Name: ~~ROB~~ ROUNDOUT BANK

Address: 300 BROADWAY Apt/Suite No: _____

City: _____ State: _____ Zip: _____ County: _____

Contact Information

Preparer's Name: _____ Phone No: _____

Preparer's Affiliation: _____ Company Code: _____

Purpose of Investigation: _____ Date of Inspection: _____

Contact Name: _____ Affiliation: _____

Phone No: _____ Alt. Phone No: _____ Email: _____

Number of Occupants (total): _____ Number of Children: _____

☐ Occupant Interviewed? ☐ Owner Occupied? ☐ Owner Interviewed?

Owner Name (if different): _____ Owner Phone: _____

Owner Mailing Address: _____

Building Details

Bldg Type (Res/Com/Ind/Mixed): COMM Bldg Size (S/M/L): M

If Commercial or Industrial Facility, Select Operations: BANK

If Residential Select Structure Type:

Number of Floors: 1 Approx. Year Construction: _____ ☑ Building Insulated? ☐ Attached Garage?

Describe Overall Building 'Tightness' and Airflows(e.g., results of smoke tests):

Foundation Description

Foundation Type: BASEMENT Foundation Depth (bgs): ~~118~~ 12 Unit: FEET

Foundation Floor Material: CONC Foundation Floor Thickness: +18 Unit: INCHES

Foundation Wall Material: Foundation Wall Thickness: _____

☒ Floor penetrations? Describe Floor Penetrations: SEWER

☐ Wall penetrations? Describe Wall Penetrations: GAS, WATER

Basement is: DRY Basement is: _____ ☐ Sumps/Drains? Water In Sump?: _____

Describe Foundation Condition (cracks, seepage, etc.) : _____

☐ Radon Mitigation System Installed? ☐ VOC Mitigation System Installed? ☐ Mitigation System On?

Heating/Cooling/Ventilation Systems

Heating System: FA GAS Heat Fuel Type: GAS ☑ Central A/C Present?

Vented Appliances

Water Heater Fuel Type: _____ Clothes Dryer Fuel Type: NA

Water Htr Vent Location: _____ Dryer Vent Location: _____

Structure Sampling Questionnaire and Building Inventory
New York State Department of Environmental Conservation

PRODUCT INVENTORY

Building Name: _____ Bldg Code: _____ Date: _____

Bldg Address: _____ Apt/Suite No: _____

Bldg City/State/Zip: _____

Make and Model of PID: _____ Date of Calibration: _____

Location	Product Name/Description	Size (oz)	Condition *	Chemical Ingredients	PID Reading	COC Y/N?
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐
						☐

* Describe the condition of the product containers as **Unopened (UO)**, **Used (U)**, or **Deteriorated (D)**
** Photographs of the **front and back** of product containers can replace the handwritten list of chemical ingredients. However, the photographs must be of good quality and ingredient labels must be legible.

Product Inventory Complete? ☐ Were there any elevated PID readings taken on site? ☐ ☐ Products with COC?

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Site Name: _____ Site Code: _____ Operable Unit: _____

Building Code: _____ Building Name: _____

Address: _____ Apt/Suite No: _____

City: _____ State: _____ Zip: _____ County: _____

Factors Affecting Indoor Air Quality

Frequency Basement/Lowest Level is Occupied: OPEN Floor Material: CARPET

☐ Inhabited? ☐ HVAC System On? ☐ Bathroom Exhaust Fan? ☐ Kitchen Exhaust Fan?

Alternate Heat Source: _____ ☐ Is there smoking in the building?

☐ Air Fresheners? Description/Location of Air Freshener: NA

☐ Cleaning Products Used Recently?: Description of Cleaning Products: _____

☐ Cosmetic Products Used Recently?: Description of Cosmetic Products: _____

☐ New Carpet or Furniture? Location of New Carpet/Furniture: _____

☐ Recent Dry Cleaning? Location of Recently Dry Cleaned Fabrics: _____

☐ Recent Painting/Staining? Location of New Painting: _____

☐ Solvent or Chemical Odors? Describe Odors (if any): _____

☐ Do Any Occupants Use Solvents At Work? If So, List Solvents Used: _____

☐ Recent Pesticide/Rodenticide? Description of Last Use: _____

Describe Any Household Activities (chemical use,/storage, unvented appliances, hobbies, etc.) That May Affect Indoor Air Quality:

☐ Any Prior Testing For Radon? If So, When?: _____

☐ Any Prior Testing For VOCs? If So, When?: _____

Sampling Conditions

Weather Conditions: _____ Outdoor Temperature: _____ °F

Current Building Use: _____ Barometric Pressure: _____ in(hg)

Product Inventory Complete? ☐ ☐ Building Questionnaire Completed?

Structure Sampling Questionnaire and Building Inventory

New York State Department of Environmental Conservation

Building Code: _____ Address: _____

Sampling Information

Sampler Name(s): _____ Sampler Company Code: _____

Sample Collection Date: _____ Date Samples Sent To Lab: _____

Sample Chain of Custody Number: _____ Outdoor Air Sample Location ID: _____

SUMMA Canister Information

Sample ID:	H1-SS-ECH-2021 (DUPE PARENT)	DUPE-SS-ECH-2021	H1-IA-ECH-2021	H1-OA-ECH-2021	
Location Code:					
Location Type:					
Canister ID:	34000373	34000011	34000016	34002040	
Regulator ID:	09915	8727	7012	7105	
Matrix:					
Sampling Method:					

Sampling Area Info

Slab Thickness (inches):	18"				
Sub-Slab Material:	DIRT				
Sub-Slab Moisture:	DRY				
Seal Type:	SIL + CLAY				
Seal Adequate?:	☑	☐	☐	☐	☐

Sample Times and Vacuum Readings

Sample Start Date/Time:	3.29.21 1456	3.29 1456	3.29 1458	3.29 1505	
Vacuum Gauge Start:	-30	-30	-30	-30	
Sample End Date/Time:	3.30 1317	3.30 1317	3.30 1316	3.30 1328	
Vacuum Gauge End:	-9	-9	-9	-5	
Sample Duration (hrs):					
Vacuum Gauge Unit:					

Sample QA/QC Readings

Vapor Port Purge:	☑	☐	☐	☐	☐
Purge PID Reading:	5100				
Purge PID Unit:	PPB				
Tracer Test Pass:	☑	☐	☐	☐	☐

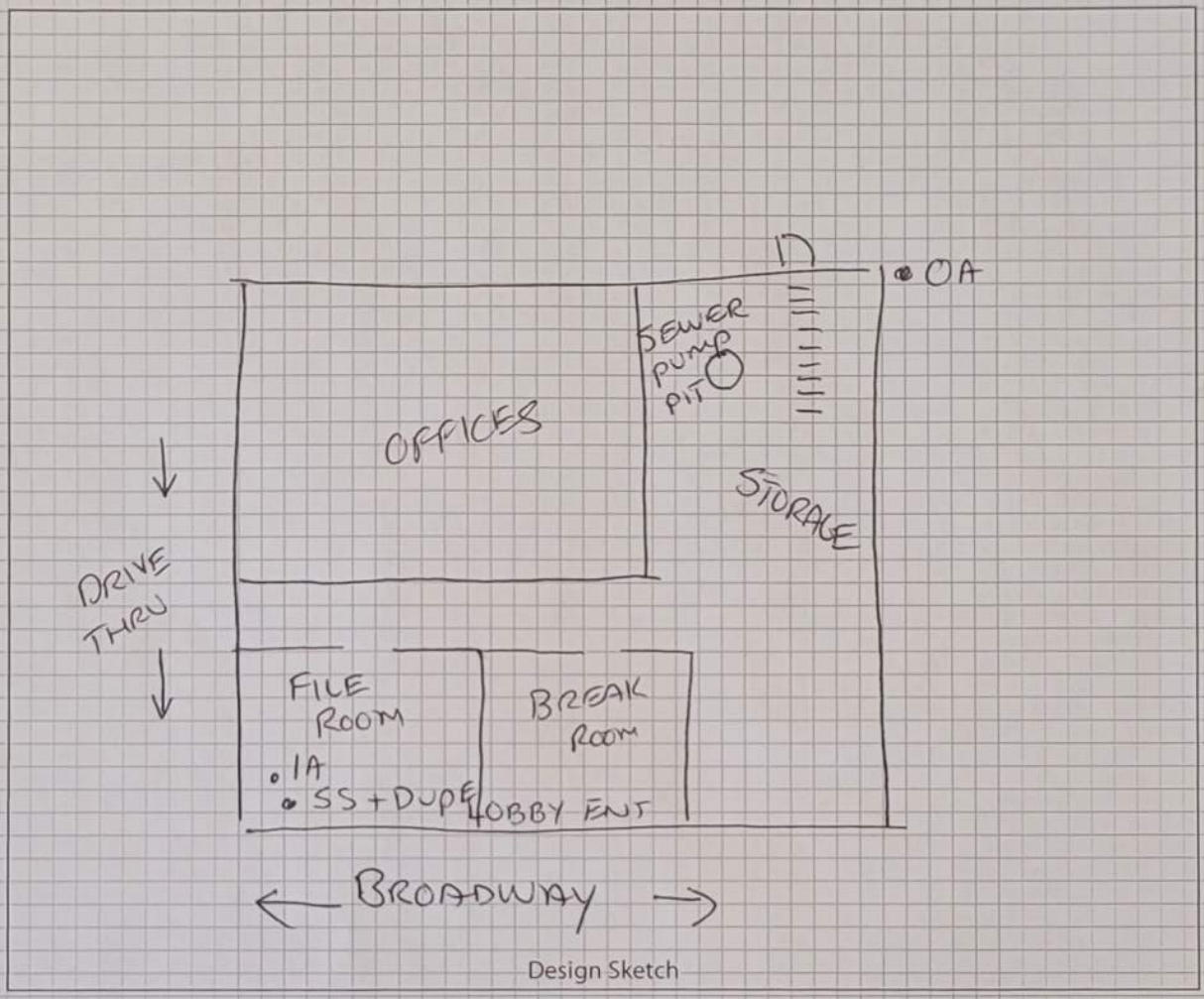
Sample start and end times should be entered using the following format: MM/DD/YYYY HH:MM

Structure Sampling Questionnaire and Building Inventory
New York State Department of Environmental Conservation

LOWEST BUILDING LEVEL LAYOUT SKETCH

Please click the box with the blue border below to upload a sketch of the lowest building level .
The sketch should be in a standard image format (.jpg, .png, .tiff)

Clear Image



Design Sketch

Design Sketch Guidelines and Recommended Symbology

- Identify and label the locations of all sub-slab, indoor air, and outdoor air samples on the layout sketch.
- Measure the distance of all sample locations from identifiable features, and include on the layout sketch.
- Identify room use (bedroom, living room, den, kitchen, etc.) on the layout sket
- Identify the locations of the following features on the layout sketch, using the appropriate symbols:

B or F	Boiler or Furnace	o	Other floor or wall penetrations (label appropriately)
HW	Hot Water Heater	xxxxxxx	Perimeter Drains (draw inside or outside outer walls as appropriate)
FP	Fireplaces	######	Areas of broken-up concrete
WS	Wood Stoves	• SS-1	Location & label of sub-slab samples
W/D	Washer / Dryer	• IA-1	Location & label of indoor air samples
S	Sumps	• OA-1	Location & label of outdoor air samples
@	Floor Drains	• PFET-1	Location and label of any pressure field test holes.

ATTACHMENT - F

Laboratory Soil Vapor Intrusion Analytical Report (March 2021)

ANALYTICAL REPORT

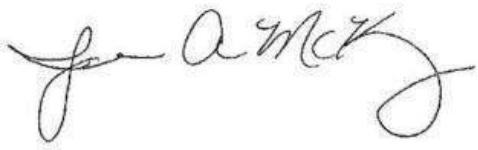
Job Number: 140-22606-1

Job Description: 10 East Chester St. #C356032A

Contract Number: C008010

For:
New York State D.E.C.
625 Broadway/3rd Floor
Albany, NY 12233-5254

Attention: Parag B Amin



Approved for release.
Jamie A McKinney
Senior Project Manager
4/14/2021 4:14 PM

Jamie A McKinney, Senior Project Manager
5815 Middlebrook Pike, Knoxville, TN, 37921
(865)291-3000
Jamie.McKinney@Eurofinset.com
04/14/2021

The test results in this report meet all 2003 NELAC and 2003 TNI requirements for accredited parameters, exceptions are noted in this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

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.

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Definitions/Glossary

Client: New York State D.E.C. Job ID: 140-22606-1
Project/Site: 10 East Chester St. #C356032A

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
E	Result exceeded calibration range.

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
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

Job Narrative
140-22606-1

Comments
No additional comments.

Receipt
The samples were received on 4/2/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

Air - GC/MS VOA
Methods D1946, TO 15 LL, TO-14A, TO-15: EPA methods TO-14A and TO-15 specify the use of humidified "zero air" as the blank reagent for canister cleaning, instrument calibration and sample analysis. Ultra-high purity humidified nitrogen from a cryogenic reservoir is used in place of "zero air" by TestAmerica Knoxville.

Method TO 15 LL: The continuing calibration verification (CCV) associated with batch 140-48621 exhibited % difference of > 30% for the following analyte(s) Ethanol; however, the results were within the LCS acceptance limits. The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria.

Method TO 15 LL: The continuing calibration verification (CCV) associated with batch 140-48707 exhibited % difference of > 30% for the following analyte(s) Ethanol; however, the results were within the LCS acceptance limits. The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria.

Methods TO 15 LL, TO-15: Although the BFB is flagged as outside control limits for TO-14 on batch 140-48724, the results are within limits for TO-15, which is required for this project.

(BFB 140-48724/1)

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

Detection Summary

Client: New York State D.E.C.
Job ID: 140-22606-1
Project/Site: 10 East Chester St. #C356032A

Client Sample ID: H1_SS_ECH_2021
Lab Sample ID: 140-22606-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	2.7		1.1		ppb v/v	1.32		TO 15 LL	Total/NA
Benzene	3.0		0.26		ppb v/v	1.32		TO 15 LL	Total/NA
Chloromethane	1.1		0.66		ppb v/v	1.32		TO 15 LL	Total/NA
Cyclohexane	4.5		0.66		ppb v/v	1.32		TO 15 LL	Total/NA
Ethanol	1600	E	6.6		ppb v/v	1.32		TO 15 LL	Total/NA
Ethylbenzene	0.44		0.26		ppb v/v	1.32		TO 15 LL	Total/NA
Hexane	1.2		0.66		ppb v/v	1.32		TO 15 LL	Total/NA
Methylene Chloride	28		1.3		ppb v/v	1.32		TO 15 LL	Total/NA
m-Xylene & p-Xylene	1.3		0.26		ppb v/v	1.32		TO 15 LL	Total/NA
o-Xylene	0.50		0.26		ppb v/v	1.32		TO 15 LL	Total/NA
t-Butyl alcohol	1.7		1.1		ppb v/v	1.32		TO 15 LL	Total/NA
Tetrachloroethene	0.90		0.26		ppb v/v	1.32		TO 15 LL	Total/NA
Toluene	3.4		0.40		ppb v/v	1.32		TO 15 LL	Total/NA
Trichlorofluoromethane	1.3		0.26		ppb v/v	1.32		TO 15 LL	Total/NA
Vinyl chloride	0.13		0.13		ppb v/v	1.32		TO 15 LL	Total/NA
Ethanol - DL	830	D	44		ppb v/v	1.32		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	8.0		3.1		ug/m3	1.32		TO 15 LL	Total/NA
Benzene	9.5		0.84		ug/m3	1.32		TO 15 LL	Total/NA
Chloromethane	2.2		1.4		ug/m3	1.32		TO 15 LL	Total/NA
Cyclohexane	16		2.3		ug/m3	1.32		TO 15 LL	Total/NA
Ethanol	3000	E	12		ug/m3	1.32		TO 15 LL	Total/NA
Ethylbenzene	1.9		1.1		ug/m3	1.32		TO 15 LL	Total/NA
Hexane	4.3		2.3		ug/m3	1.32		TO 15 LL	Total/NA
Methylene Chloride	98		4.6		ug/m3	1.32		TO 15 LL	Total/NA
m-Xylene & p-Xylene	5.5		1.1		ug/m3	1.32		TO 15 LL	Total/NA
o-Xylene	2.2		1.1		ug/m3	1.32		TO 15 LL	Total/NA
t-Butyl alcohol	5.1		3.2		ug/m3	1.32		TO 15 LL	Total/NA
Tetrachloroethene	6.1		1.8		ug/m3	1.32		TO 15 LL	Total/NA
Toluene	13		1.5		ug/m3	1.32		TO 15 LL	Total/NA
Trichlorofluoromethane	7.2		1.5		ug/m3	1.32		TO 15 LL	Total/NA
Vinyl chloride	0.34		0.34		ug/m3	1.32		TO 15 LL	Total/NA
Ethanol - DL	1600	D	83		ug/m3	1.32		TO 15 LL	Total/NA

Client Sample ID: DUPE_SS_ECH_2021
Lab Sample ID: 140-22606-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.67		0.27		ppb v/v	1.34		TO 15 LL	Total/NA
2-Butanone	2.7		1.1		ppb v/v	1.34		TO 15 LL	Total/NA
Benzene	3.0		0.27		ppb v/v	1.34		TO 15 LL	Total/NA
Chloromethane	1.3		0.67		ppb v/v	1.34		TO 15 LL	Total/NA
Cyclohexane	4.6		0.67		ppb v/v	1.34		TO 15 LL	Total/NA
Ethanol	1600	E	6.7		ppb v/v	1.34		TO 15 LL	Total/NA
Ethylbenzene	0.47		0.27		ppb v/v	1.34		TO 15 LL	Total/NA
Hexane	1.2		0.67		ppb v/v	1.34		TO 15 LL	Total/NA
Methyl tert-butyl ether	1.1		0.54		ppb v/v	1.34		TO 15 LL	Total/NA
Methylene Chloride	37		1.3		ppb v/v	1.34		TO 15 LL	Total/NA
m-Xylene & p-Xylene	1.5		0.27		ppb v/v	1.34		TO 15 LL	Total/NA
o-Xylene	0.67		0.27		ppb v/v	1.34		TO 15 LL	Total/NA
Styrene	0.37		0.27		ppb v/v	1.34		TO 15 LL	Total/NA
t-Butyl alcohol	1.7		1.1		ppb v/v	1.34		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUPE_SS_ECH_2021 (Continued)
Lab Sample ID: 140-22606-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.0		0.27		ppb v/v	1.34		TO 15 LL	Total/NA
Toluene	3.6		0.40		ppb v/v	1.34		TO 15 LL	Total/NA
Trichlorofluoromethane	1.3		0.27		ppb v/v	1.34		TO 15 LL	Total/NA
Vinyl chloride	0.13		0.13		ppb v/v	1.34		TO 15 LL	Total/NA
Ethanol - DL	860	D	45		ppb v/v	1.34		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	3.3		1.3		ug/m3	1.34		TO 15 LL	Total/NA
2-Butanone	7.9		3.2		ug/m3	1.34		TO 15 LL	Total/NA
Benzene	9.6		0.86		ug/m3	1.34		TO 15 LL	Total/NA
Chloromethane	2.6		1.4		ug/m3	1.34		TO 15 LL	Total/NA
Cyclohexane	16		2.3		ug/m3	1.34		TO 15 LL	Total/NA
Ethanol	3100	E	13		ug/m3	1.34		TO 15 LL	Total/NA
Ethylbenzene	2.0		1.2		ug/m3	1.34		TO 15 LL	Total/NA
Hexane	4.3		2.4		ug/m3	1.34		TO 15 LL	Total/NA
Methyl tert-butyl ether	3.9		1.9		ug/m3	1.34		TO 15 LL	Total/NA
Methylene Chloride	130		4.7		ug/m3	1.34		TO 15 LL	Total/NA
m-Xylene & p-Xylene	6.7		1.2		ug/m3	1.34		TO 15 LL	Total/NA
o-Xylene	2.9		1.2		ug/m3	1.34		TO 15 LL	Total/NA
Styrene	1.6		1.1		ug/m3	1.34		TO 15 LL	Total/NA
t-Butyl alcohol	5.1		3.2		ug/m3	1.34		TO 15 LL	Total/NA
Tetrachloroethene	6.8		1.8		ug/m3	1.34		TO 15 LL	Total/NA
Toluene	14		1.5		ug/m3	1.34		TO 15 LL	Total/NA
Trichlorofluoromethane	7.4		1.5		ug/m3	1.34		TO 15 LL	Total/NA
Vinyl chloride	0.34		0.34		ug/m3	1.34		TO 15 LL	Total/NA
Ethanol - DL	1600	D	84		ug/m3	1.34		TO 15 LL	Total/NA

Client Sample ID: H1_IA_ECH_2021
Lab Sample ID: 140-22606-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	1.5		1.1		ppb v/v	1.35		TO 15 LL	Total/NA
Chloromethane	0.82		0.68		ppb v/v	1.35		TO 15 LL	Total/NA
Ethanol	1700	E	6.8		ppb v/v	1.35		TO 15 LL	Total/NA
Methylene Chloride	11		1.4		ppb v/v	1.35		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.54		0.27		ppb v/v	1.35		TO 15 LL	Total/NA
Toluene	1.2		0.41		ppb v/v	1.35		TO 15 LL	Total/NA
Trichlorofluoromethane	1.1		0.27		ppb v/v	1.35		TO 15 LL	Total/NA
Ethanol - DL	1400	D	68		ppb v/v	1.35		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	4.4		3.2		ug/m3	1.35		TO 15 LL	Total/NA
Chloromethane	1.7		1.4		ug/m3	1.35		TO 15 LL	Total/NA
Ethanol	3300	E	13		ug/m3	1.35		TO 15 LL	Total/NA
Methylene Chloride	38		4.7		ug/m3	1.35		TO 15 LL	Total/NA
m-Xylene & p-Xylene	2.3		1.2		ug/m3	1.35		TO 15 LL	Total/NA
Toluene	4.4		1.5		ug/m3	1.35		TO 15 LL	Total/NA
Trichlorofluoromethane	6.3		1.5		ug/m3	1.35		TO 15 LL	Total/NA
Ethanol - DL	2700	D	130		ug/m3	1.35		TO 15 LL	Total/NA

Client Sample ID: H1_OA_ECH_2021
Lab Sample ID: 140-22606-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	0.47		0.32		ppb v/v	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: H1_OA_ECH_2021 (Continued)
Lab Sample ID: 140-22606-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.19		0.080		ppb v/v	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.074		0.032		ppb v/v	1		TO 15 LL	Total/NA
Chloromethane	0.69		0.20		ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.18		0.080		ppb v/v	1		TO 15 LL	Total/NA
Ethanol	19		2.0		ppb v/v	1		TO 15 LL	Total/NA
Methylene Chloride	20	E	0.40		ppb v/v	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.17		0.080		ppb v/v	1		TO 15 LL	Total/NA
Toluene	0.40		0.12		ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.22		0.080		ppb v/v	1		TO 15 LL	Total/NA
Methylene Chloride - DL	15	D	1.6		ppb v/v	1		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	1.4		0.94		ug/m3	1		TO 15 LL	Total/NA
Benzene	0.60		0.26		ug/m3	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.46		0.20		ug/m3	1		TO 15 LL	Total/NA
Chloromethane	1.4		0.41		ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.91		0.40		ug/m3	1		TO 15 LL	Total/NA
Ethanol	35		3.8		ug/m3	1		TO 15 LL	Total/NA
Methylene Chloride	69	E	1.4		ug/m3	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.74		0.35		ug/m3	1		TO 15 LL	Total/NA
Toluene	1.5		0.45		ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.2		0.45		ug/m3	1		TO 15 LL	Total/NA
Methylene Chloride - DL	52	D	5.6		ug/m3	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: H1_SS_ECH_2021
Lab Sample ID: 140-22606-1

Date Collected: 03/30/21 13:17
Matrix: Air
Date Received: 04/02/21 10:00
Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.26		ppb v/v			04/11/21 00:06	1.32
1,1,2,2-Tetrachloroethane	ND		0.26		ppb v/v			04/11/21 00:06	1.32
1,1,2-Trichloroethane	ND		0.26		ppb v/v			04/11/21 00:06	1.32
1,1,2-Trichlorotrifluoroethane	ND		0.26		ppb v/v			04/11/21 00:06	1.32
1,1-Dichloroethane	ND		0.26		ppb v/v			04/11/21 00:06	1.32
1,1-Dichloroethene	ND		0.13		ppb v/v			04/11/21 00:06	1.32
1,2,4-Trichlorobenzene	ND		0.26		ppb v/v			04/11/21 00:06	1.32
1,2,4-Trimethylbenzene	ND		0.26		ppb v/v			04/11/21 00:06	1.32
1,2-Dibromoethane	ND		0.26		ppb v/v			04/11/21 00:06	1.32
1,2-Dichlorobenzene	ND		0.26		ppb v/v			04/11/21 00:06	1.32
1,2-Dichloroethane	ND		0.26		ppb v/v			04/11/21 00:06	1.32
1,2-Dichloropropane	ND		0.26		ppb v/v			04/11/21 00:06	1.32
1,2-Dichlorotetrafluoroethane	ND		0.26		ppb v/v			04/11/21 00:06	1.32
1,3,5-Trimethylbenzene	ND		0.26		ppb v/v			04/11/21 00:06	1.32
1,3-Dichlorobenzene	ND		0.26		ppb v/v			04/11/21 00:06	1.32
1,4-Dichlorobenzene	ND		0.26		ppb v/v			04/11/21 00:06	1.32
1,4-Dioxane	ND		0.66		ppb v/v			04/11/21 00:06	1.32
2,2,4-Trimethylpentane	ND		0.66		ppb v/v			04/11/21 00:06	1.32
2-Butanone	**2.7**		1.1		ppb v/v			04/11/21 00:06	1.32
4-Methyl-2-pentanone (MIBK)	ND		0.66		ppb v/v			04/11/21 00:06	1.32
Benzene	**3.0**		0.26		ppb v/v			04/11/21 00:06	1.32
Benzyl chloride	ND		0.53		ppb v/v			04/11/21 00:06	1.32
Bromodichloromethane	ND		0.26		ppb v/v			04/11/21 00:06	1.32
Bromoform	ND		0.26		ppb v/v			04/11/21 00:06	1.32
Bromomethane	ND		0.26		ppb v/v			04/11/21 00:06	1.32
Carbon tetrachloride	ND		0.11		ppb v/v			04/11/21 00:06	1.32
Chlorobenzene	ND		0.26		ppb v/v			04/11/21 00:06	1.32
Chloroethane	ND		0.26		ppb v/v			04/11/21 00:06	1.32
Chloroform	ND		0.26		ppb v/v			04/11/21 00:06	1.32
Chloromethane	**1.1**		0.66		ppb v/v			04/11/21 00:06	1.32
cis-1,2-Dichloroethene	ND		0.13		ppb v/v			04/11/21 00:06	1.32
cis-1,3-Dichloropropene	ND		0.26		ppb v/v			04/11/21 00:06	1.32
Cyclohexane	**4.5**		0.66		ppb v/v			04/11/21 00:06	1.32
Dibromochloromethane	ND		0.26		ppb v/v			04/11/21 00:06	1.32
Dichlorodifluoromethane	ND		0.26		ppb v/v			04/11/21 00:06	1.32
Ethanol	**1600**	**E**	6.6		ppb v/v			04/11/21 00:06	1.32
Ethylbenzene	**0.44**		0.26		ppb v/v			04/11/21 00:06	1.32
Hexachlorobutadiene	ND		0.26		ppb v/v			04/11/21 00:06	1.32
Hexane	**1.2**		0.66		ppb v/v			04/11/21 00:06	1.32
Methyl tert-butyl ether	ND		0.53		ppb v/v			04/11/21 00:06	1.32
Methylene Chloride	**28**		1.3		ppb v/v			04/11/21 00:06	1.32
m-Xylene & p-Xylene	**1.3**		0.26		ppb v/v			04/11/21 00:06	1.32
Naphthalene	ND		0.66		ppb v/v			04/11/21 00:06	1.32
o-Xylene	**0.50**		0.26		ppb v/v			04/11/21 00:06	1.32
Styrene	ND		0.26		ppb v/v			04/11/21 00:06	1.32
t-Butyl alcohol	**1.7**		1.1		ppb v/v			04/11/21 00:06	1.32
Tetrachloroethene	**0.90**		0.26		ppb v/v			04/11/21 00:06	1.32
Toluene	**3.4**		0.40		ppb v/v			04/11/21 00:06	1.32

Client Sample ID: H1_SS_ECH_2021 Lab Sample ID: 140-22606-1

Date Collected: 03/30/21 13:17 **Matrix: Air**
Date Received: 04/02/21 10:00
Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.26		ppb v/v			04/11/21 00:06	1.32
trans-1,3-Dichloropropene	ND		0.26		ppb v/v			04/11/21 00:06	1.32
Trichloroethene	ND		0.12		ppb v/v			04/11/21 00:06	1.32
Trichlorofluoromethane	**1.3**		0.26		ppb v/v			04/11/21 00:06	1.32
Vinyl chloride	**0.13**		0.13		ppb v/v			04/11/21 00:06	1.32

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.4		ug/m3			04/11/21 00:06	1.32
1,1,2,2-Tetrachloroethane	ND		1.8		ug/m3			04/11/21 00:06	1.32
1,1,2-Trichloroethane	ND		1.4		ug/m3			04/11/21 00:06	1.32
1,1,2-Trichlorotrifluoroethane	ND		2.0		ug/m3			04/11/21 00:06	1.32
1,1-Dichloroethane	ND		1.1		ug/m3			04/11/21 00:06	1.32
1,1-Dichloroethene	ND		0.52		ug/m3			04/11/21 00:06	1.32
1,2,4-Trichlorobenzene	ND		2.0		ug/m3			04/11/21 00:06	1.32
1,2,4-Trimethylbenzene	ND		1.3		ug/m3			04/11/21 00:06	1.32
1,2-Dibromoethane	ND		2.0		ug/m3			04/11/21 00:06	1.32
1,2-Dichlorobenzene	ND		1.6		ug/m3			04/11/21 00:06	1.32
1,2-Dichloroethane	ND		1.1		ug/m3			04/11/21 00:06	1.32
1,2-Dichloropropane	ND		1.2		ug/m3			04/11/21 00:06	1.32
1,2-Dichlorotetrafluoroethane	ND		1.8		ug/m3			04/11/21 00:06	1.32
1,3,5-Trimethylbenzene	ND		1.3		ug/m3			04/11/21 00:06	1.32
1,3-Dichlorobenzene	ND		1.6		ug/m3			04/11/21 00:06	1.32
1,4-Dichlorobenzene	ND		1.6		ug/m3			04/11/21 00:06	1.32
1,4-Dioxane	ND		2.4		ug/m3			04/11/21 00:06	1.32
2,2,4-Trimethylpentane	ND		3.1		ug/m3			04/11/21 00:06	1.32
2-Butanone	**8.0**		3.1		ug/m3			04/11/21 00:06	1.32
4-Methyl-2-pentanone (MIBK)	ND		2.7		ug/m3			04/11/21 00:06	1.32
Benzene	**9.5**		0.84		ug/m3			04/11/21 00:06	1.32
Benzyl chloride	ND		2.7		ug/m3			04/11/21 00:06	1.32
Bromodichloromethane	ND		1.8		ug/m3			04/11/21 00:06	1.32
Bromoform	ND		2.7		ug/m3			04/11/21 00:06	1.32
Bromomethane	ND		1.0		ug/m3			04/11/21 00:06	1.32
Carbon tetrachloride	ND		0.66		ug/m3			04/11/21 00:06	1.32
Chlorobenzene	ND		1.2		ug/m3			04/11/21 00:06	1.32
Chloroethane	ND		0.70		ug/m3			04/11/21 00:06	1.32
Chloroform	ND		1.3		ug/m3			04/11/21 00:06	1.32
Chloromethane	**2.2**		1.4		ug/m3			04/11/21 00:06	1.32
cis-1,2-Dichloroethene	ND		0.52		ug/m3			04/11/21 00:06	1.32
cis-1,3-Dichloropropene	ND		1.2		ug/m3			04/11/21 00:06	1.32
Cyclohexane	**16**		2.3		ug/m3			04/11/21 00:06	1.32
Dibromochloromethane	ND		2.2		ug/m3			04/11/21 00:06	1.32
Dichlorodifluoromethane	ND		1.3		ug/m3			04/11/21 00:06	1.32
Ethanol	**3000**	**E**	12		ug/m3			04/11/21 00:06	1.32
Ethylbenzene	**1.9**		1.1		ug/m3			04/11/21 00:06	1.32
Hexachlorobutadiene	ND		2.8		ug/m3			04/11/21 00:06	1.32
Hexane	**4.3**		2.3		ug/m3			04/11/21 00:06	1.32
Methyl tert-butyl ether	ND		1.9		ug/m3			04/11/21 00:06	1.32
Methylene Chloride	**98**		4.6		ug/m3			04/11/21 00:06	1.32
m-Xylene & p-Xylene	**5.5**		1.1		ug/m3			04/11/21 00:06	1.32

Client Sample ID: H1_SS_ECH_2021
Lab Sample ID: 140-22606-1

Date Collected: 03/30/21 13:17
Matrix: Air
Date Received: 04/02/21 10:00
Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		3.5		ug/m3			04/11/21 00:06	1.32
o-Xylene	**2.2**		1.1		ug/m3			04/11/21 00:06	1.32
Styrene	ND		1.1		ug/m3			04/11/21 00:06	1.32
t-Butyl alcohol	**5.1**		3.2		ug/m3			04/11/21 00:06	1.32
Tetrachloroethene	**6.1**		1.8		ug/m3			04/11/21 00:06	1.32
Toluene	**13**		1.5		ug/m3			04/11/21 00:06	1.32
trans-1,2-Dichloroethene	ND		1.0		ug/m3			04/11/21 00:06	1.32
trans-1,3-Dichloropropene	ND		1.2		ug/m3			04/11/21 00:06	1.32
Trichloroethene	ND		0.64		ug/m3			04/11/21 00:06	1.32
Trichlorofluoromethane	**7.2**		1.5		ug/m3			04/11/21 00:06	1.32
Vinyl chloride	**0.34**		0.34		ug/m3			04/11/21 00:06	1.32

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 140*		*04/11/21 00:06*	*1.32*

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	**830**	**D**	44		ppb v/v			04/13/21 07:05	1.32

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	**1600**	**D**	83		ug/m3			04/13/21 07:05	1.32

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*60 - 140*		*04/13/21 07:05*	*1.32*

Client Sample ID: DUPE_SS_ECH_2021
Lab Sample ID: 140-22606-2

Date Collected: 03/30/21 13:17
Matrix: Air
Date Received: 04/02/21 10:00
Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.27		ppb v/v			04/11/21 00:55	1.34
1,1,2,2-Tetrachloroethane	ND		0.27		ppb v/v			04/11/21 00:55	1.34
1,1,2-Trichloroethane	ND		0.27		ppb v/v			04/11/21 00:55	1.34
1,1,2-Trichlorotrifluoroethane	ND		0.27		ppb v/v			04/11/21 00:55	1.34
1,1-Dichloroethane	ND		0.27		ppb v/v			04/11/21 00:55	1.34
1,1-Dichloroethene	ND		0.13		ppb v/v			04/11/21 00:55	1.34
1,2,4-Trichlorobenzene	ND		0.27		ppb v/v			04/11/21 00:55	1.34
1,2,4-Trimethylbenzene	**0.67**		0.27		ppb v/v			04/11/21 00:55	1.34
1,2-Dibromoethane	ND		0.27		ppb v/v			04/11/21 00:55	1.34
1,2-Dichlorobenzene	ND		0.27		ppb v/v			04/11/21 00:55	1.34
1,2-Dichloroethane	ND		0.27		ppb v/v			04/11/21 00:55	1.34
1,2-Dichloropropane	ND		0.27		ppb v/v			04/11/21 00:55	1.34
1,2-Dichlorotetrafluoroethane	ND		0.27		ppb v/v			04/11/21 00:55	1.34
1,3,5-Trimethylbenzene	ND		0.27		ppb v/v			04/11/21 00:55	1.34
1,3-Dichlorobenzene	ND		0.27		ppb v/v			04/11/21 00:55	1.34
1,4-Dichlorobenzene	ND		0.27		ppb v/v			04/11/21 00:55	1.34
1,4-Dioxane	ND		0.67		ppb v/v			04/11/21 00:55	1.34
2,2,4-Trimethylpentane	ND		0.67		ppb v/v			04/11/21 00:55	1.34

Client Sample ID: DUPE_SS_ECH_2021
Lab Sample ID: 140-22606-2

Date Collected: 03/30/21 13:17
Matrix: Air
Date Received: 04/02/21 10:00
Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	**2.7**		1.1		ppb v/v			04/11/21 00:55	1.34
4-Methyl-2-pentanone (MIBK)	ND		0.67		ppb v/v			04/11/21 00:55	1.34
Benzene	**3.0**		0.27		ppb v/v			04/11/21 00:55	1.34
Benzyl chloride	ND		0.54		ppb v/v			04/11/21 00:55	1.34
Bromodichloromethane	ND		0.27		ppb v/v			04/11/21 00:55	1.34
Bromoform	ND		0.27		ppb v/v			04/11/21 00:55	1.34
Bromomethane	ND		0.27		ppb v/v			04/11/21 00:55	1.34
Carbon tetrachloride	ND		0.11		ppb v/v			04/11/21 00:55	1.34
Chlorobenzene	ND		0.27		ppb v/v			04/11/21 00:55	1.34
Chloroethane	ND		0.27		ppb v/v			04/11/21 00:55	1.34
Chloroform	ND		0.27		ppb v/v			04/11/21 00:55	1.34
Chloromethane	**1.3**		0.67		ppb v/v			04/11/21 00:55	1.34
cis-1,2-Dichloroethene	ND		0.13		ppb v/v			04/11/21 00:55	1.34
cis-1,3-Dichloropropene	ND		0.27		ppb v/v			04/11/21 00:55	1.34
Cyclohexane	**4.6**		0.67		ppb v/v			04/11/21 00:55	1.34
Dibromochloromethane	ND		0.27		ppb v/v			04/11/21 00:55	1.34
Dichlorodifluoromethane	ND		0.27		ppb v/v			04/11/21 00:55	1.34
Ethanol	**1600**	**E**	6.7		ppb v/v			04/11/21 00:55	1.34
Ethylbenzene	**0.47**		0.27		ppb v/v			04/11/21 00:55	1.34
Hexachlorobutadiene	ND		0.27		ppb v/v			04/11/21 00:55	1.34
Hexane	**1.2**		0.67		ppb v/v			04/11/21 00:55	1.34
Methyl tert-butyl ether	**1.1**		0.54		ppb v/v			04/11/21 00:55	1.34
Methylene Chloride	**37**		1.3		ppb v/v			04/11/21 00:55	1.34
m-Xylene & p-Xylene	**1.5**		0.27		ppb v/v			04/11/21 00:55	1.34
Naphthalene	ND		0.67		ppb v/v			04/11/21 00:55	1.34
o-Xylene	**0.67**		0.27		ppb v/v			04/11/21 00:55	1.34
Styrene	**0.37**		0.27		ppb v/v			04/11/21 00:55	1.34
t-Butyl alcohol	**1.7**		1.1		ppb v/v			04/11/21 00:55	1.34
Tetrachloroethene	**1.0**		0.27		ppb v/v			04/11/21 00:55	1.34
Toluene	**3.6**		0.40		ppb v/v			04/11/21 00:55	1.34
trans-1,2-Dichloroethene	ND		0.27		ppb v/v			04/11/21 00:55	1.34
trans-1,3-Dichloropropene	ND		0.27		ppb v/v			04/11/21 00:55	1.34
Trichloroethene	ND		0.12		ppb v/v			04/11/21 00:55	1.34
Trichlorofluoromethane	**1.3**		0.27		ppb v/v			04/11/21 00:55	1.34
Vinyl chloride	**0.13**		0.13		ppb v/v			04/11/21 00:55	1.34

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.5		ug/m3			04/11/21 00:55	1.34
1,1,2,2-Tetrachloroethane	ND		1.8		ug/m3			04/11/21 00:55	1.34
1,1,2-Trichloroethane	ND		1.5		ug/m3			04/11/21 00:55	1.34
1,1,2-Trichlorotrifluoroethane	ND		2.1		ug/m3			04/11/21 00:55	1.34
1,1-Dichloroethane	ND		1.1		ug/m3			04/11/21 00:55	1.34
1,1-Dichloroethene	ND		0.53		ug/m3			04/11/21 00:55	1.34
1,2,4-Trichlorobenzene	ND		2.0		ug/m3			04/11/21 00:55	1.34
1,2,4-Trimethylbenzene	**3.3**		1.3		ug/m3			04/11/21 00:55	1.34
1,2-Dibromoethane	ND		2.1		ug/m3			04/11/21 00:55	1.34
1,2-Dichlorobenzene	ND		1.6		ug/m3			04/11/21 00:55	1.34
1,2-Dichloroethane	ND		1.1		ug/m3			04/11/21 00:55	1.34
1,2-Dichloropropane	ND		1.2		ug/m3			04/11/21 00:55	1.34

Client Sample ID: DUPE_SS_ECH_2021
Lab Sample ID: 140-22606-2

Date Collected: 03/30/21 13:17
Matrix: Air
Date Received: 04/02/21 10:00
Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorotetrafluoroethane	ND		1.9		ug/m3			04/11/21 00:55	1.34
1,3,5-Trimethylbenzene	ND		1.3		ug/m3			04/11/21 00:55	1.34
1,3-Dichlorobenzene	ND		1.6		ug/m3			04/11/21 00:55	1.34
1,4-Dichlorobenzene	ND		1.6		ug/m3			04/11/21 00:55	1.34
1,4-Dioxane	ND		2.4		ug/m3			04/11/21 00:55	1.34
2,2,4-Trimethylpentane	ND		3.1		ug/m3			04/11/21 00:55	1.34
2-Butanone	**7.9**		3.2		ug/m3			04/11/21 00:55	1.34
4-Methyl-2-pentanone (MIBK)	ND		2.7		ug/m3			04/11/21 00:55	1.34
Benzene	**9.6**		0.86		ug/m3			04/11/21 00:55	1.34
Benzyl chloride	ND		2.8		ug/m3			04/11/21 00:55	1.34
Bromodichloromethane	ND		1.8		ug/m3			04/11/21 00:55	1.34
Bromoform	ND		2.8		ug/m3			04/11/21 00:55	1.34
Bromomethane	ND		1.0		ug/m3			04/11/21 00:55	1.34
Carbon tetrachloride	ND		0.67		ug/m3			04/11/21 00:55	1.34
Chlorobenzene	ND		1.2		ug/m3			04/11/21 00:55	1.34
Chloroethane	ND		0.71		ug/m3			04/11/21 00:55	1.34
Chloroform	ND		1.3		ug/m3			04/11/21 00:55	1.34
Chloromethane	**2.6**		1.4		ug/m3			04/11/21 00:55	1.34
cis-1,2-Dichloroethene	ND		0.53		ug/m3			04/11/21 00:55	1.34
cis-1,3-Dichloropropene	ND		1.2		ug/m3			04/11/21 00:55	1.34
Cyclohexane	**16**		2.3		ug/m3			04/11/21 00:55	1.34
Dibromochloromethane	ND		2.3		ug/m3			04/11/21 00:55	1.34
Dichlorodifluoromethane	ND		1.3		ug/m3			04/11/21 00:55	1.34
Ethanol	**3100**	**E**	13		ug/m3			04/11/21 00:55	1.34
Ethylbenzene	**2.0**		1.2		ug/m3			04/11/21 00:55	1.34
Hexachlorobutadiene	ND		2.9		ug/m3			04/11/21 00:55	1.34
Hexane	**4.3**		2.4		ug/m3			04/11/21 00:55	1.34
Methyl tert-butyl ether	**3.9**		1.9		ug/m3			04/11/21 00:55	1.34
Methylene Chloride	**130**		4.7		ug/m3			04/11/21 00:55	1.34
m-Xylene & p-Xylene	**6.7**		1.2		ug/m3			04/11/21 00:55	1.34
Naphthalene	ND		3.5		ug/m3			04/11/21 00:55	1.34
o-Xylene	**2.9**		1.2		ug/m3			04/11/21 00:55	1.34
Styrene	**1.6**		1.1		ug/m3			04/11/21 00:55	1.34
t-Butyl alcohol	**5.1**		3.2		ug/m3			04/11/21 00:55	1.34
Tetrachloroethene	**6.8**		1.8		ug/m3			04/11/21 00:55	1.34
Toluene	**14**		1.5		ug/m3			04/11/21 00:55	1.34
trans-1,2-Dichloroethene	ND		1.1		ug/m3			04/11/21 00:55	1.34
trans-1,3-Dichloropropene	ND		1.2		ug/m3			04/11/21 00:55	1.34
Trichloroethene	ND		0.65		ug/m3			04/11/21 00:55	1.34
Trichlorofluoromethane	**7.4**		1.5		ug/m3			04/11/21 00:55	1.34
Vinyl chloride	**0.34**		0.34		ug/m3			04/11/21 00:55	1.34

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*60 - 140*		*04/11/21 00:55*	*1.34*

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	**860**	**D**	45		ppb v/v			04/13/21 07:52	1.34

Client Sample ID: DUPE_SS_ECH_2021
Lab Sample ID: 140-22606-2

Date Collected: 03/30/21 13:17
Matrix: Air
Date Received: 04/02/21 10:00
Sample Container: Summa Canister 6L

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	**1600**	**D**	84		ug/m3			04/13/21 07:52	1.34

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*60 - 140*		*04/13/21 07:52*	*1.34*

Client Sample ID: H1_IA_ECH_2021
Lab Sample ID: 140-22606-3

Date Collected: 03/30/21 13:16
Matrix: Air
Date Received: 04/02/21 10:00
Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.27		ppb v/v			04/11/21 01:43	1.35
1,1,2,2-Tetrachloroethane	ND		0.27		ppb v/v			04/11/21 01:43	1.35
1,1,2-Trichloroethane	ND		0.27		ppb v/v			04/11/21 01:43	1.35
1,1,2-Trichlorotrifluoroethane	ND		0.27		ppb v/v			04/11/21 01:43	1.35
1,1-Dichloroethane	ND		0.27		ppb v/v			04/11/21 01:43	1.35
1,1-Dichloroethene	ND		0.14		ppb v/v			04/11/21 01:43	1.35
1,2,4-Trichlorobenzene	ND		0.27		ppb v/v			04/11/21 01:43	1.35
1,2,4-Trimethylbenzene	ND		0.27		ppb v/v			04/11/21 01:43	1.35
1,2-Dibromoethane	ND		0.27		ppb v/v			04/11/21 01:43	1.35
1,2-Dichlorobenzene	ND		0.27		ppb v/v			04/11/21 01:43	1.35
1,2-Dichloroethane	ND		0.27		ppb v/v			04/11/21 01:43	1.35
1,2-Dichloropropane	ND		0.27		ppb v/v			04/11/21 01:43	1.35
1,2-Dichlorotetrafluoroethane	ND		0.27		ppb v/v			04/11/21 01:43	1.35
1,3,5-Trimethylbenzene	ND		0.27		ppb v/v			04/11/21 01:43	1.35
1,3-Dichlorobenzene	ND		0.27		ppb v/v			04/11/21 01:43	1.35
1,4-Dichlorobenzene	ND		0.27		ppb v/v			04/11/21 01:43	1.35
1,4-Dioxane	ND		0.68		ppb v/v			04/11/21 01:43	1.35
2,2,4-Trimethylpentane	ND		0.68		ppb v/v			04/11/21 01:43	1.35
2-Butanone	**1.5**		1.1		ppb v/v			04/11/21 01:43	1.35
4-Methyl-2-pentanone (MIBK)	ND		0.68		ppb v/v			04/11/21 01:43	1.35
Benzene	ND		0.27		ppb v/v			04/11/21 01:43	1.35
Benzyl chloride	ND		0.54		ppb v/v			04/11/21 01:43	1.35
Bromodichloromethane	ND		0.27		ppb v/v			04/11/21 01:43	1.35
Bromoform	ND		0.27		ppb v/v			04/11/21 01:43	1.35
Bromomethane	ND		0.27		ppb v/v			04/11/21 01:43	1.35
Carbon tetrachloride	ND		0.11		ppb v/v			04/11/21 01:43	1.35
Chlorobenzene	ND		0.27		ppb v/v			04/11/21 01:43	1.35
Chloroethane	ND		0.27		ppb v/v			04/11/21 01:43	1.35
Chloroform	ND		0.27		ppb v/v			04/11/21 01:43	1.35
Chloromethane	**0.82**		0.68		ppb v/v			04/11/21 01:43	1.35
cis-1,2-Dichloroethene	ND		0.14		ppb v/v			04/11/21 01:43	1.35
cis-1,3-Dichloropropene	ND		0.27		ppb v/v			04/11/21 01:43	1.35
Cyclohexane	ND		0.68		ppb v/v			04/11/21 01:43	1.35
Dibromochloromethane	ND		0.27		ppb v/v			04/11/21 01:43	1.35
Dichlorodifluoromethane	ND		0.27		ppb v/v			04/11/21 01:43	1.35
Ethanol	**1700**	**E**	6.8		ppb v/v			04/11/21 01:43	1.35
Ethylbenzene	ND		0.27		ppb v/v			04/11/21 01:43	1.35
Hexachlorobutadiene	ND		0.27		ppb v/v			04/11/21 01:43	1.35

Client Sample ID: H1_IA_ECH_2021
Lab Sample ID: 140-22606-3

Date Collected: 03/30/21 13:16
Matrix: Air
Date Received: 04/02/21 10:00
Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	ND		0.68		ppb v/v			04/11/21 01:43	1.35
Methyl tert-butyl ether	ND		0.54		ppb v/v			04/11/21 01:43	1.35
Methylene Chloride	**11**		1.4		ppb v/v			04/11/21 01:43	1.35
m-Xylene & p-Xylene	**0.54**		0.27		ppb v/v			04/11/21 01:43	1.35
Naphthalene	ND		0.68		ppb v/v			04/11/21 01:43	1.35
o-Xylene	ND		0.27		ppb v/v			04/11/21 01:43	1.35
Styrene	ND		0.27		ppb v/v			04/11/21 01:43	1.35
t-Butyl alcohol	ND		1.1		ppb v/v			04/11/21 01:43	1.35
Tetrachloroethene	ND		0.27		ppb v/v			04/11/21 01:43	1.35
Toluene	**1.2**		0.41		ppb v/v			04/11/21 01:43	1.35
trans-1,2-Dichloroethene	ND		0.27		ppb v/v			04/11/21 01:43	1.35
trans-1,3-Dichloropropene	ND		0.27		ppb v/v			04/11/21 01:43	1.35
Trichloroethene	ND		0.12		ppb v/v			04/11/21 01:43	1.35
Trichlorofluoromethane	**1.1**		0.27		ppb v/v			04/11/21 01:43	1.35
Vinyl chloride	ND		0.14		ppb v/v			04/11/21 01:43	1.35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.5		ug/m3			04/11/21 01:43	1.35
1,1,2,2-Tetrachloroethane	ND		1.9		ug/m3			04/11/21 01:43	1.35
1,1,2-Trichloroethane	ND		1.5		ug/m3			04/11/21 01:43	1.35
1,1,2-Trichlorotrifluoroethane	ND		2.1		ug/m3			04/11/21 01:43	1.35
1,1-Dichloroethane	ND		1.1		ug/m3			04/11/21 01:43	1.35
1,1-Dichloroethene	ND		0.54		ug/m3			04/11/21 01:43	1.35
1,2,4-Trichlorobenzene	ND		2.0		ug/m3			04/11/21 01:43	1.35
1,2,4-Trimethylbenzene	ND		1.3		ug/m3			04/11/21 01:43	1.35
1,2-Dibromoethane	ND		2.1		ug/m3			04/11/21 01:43	1.35
1,2-Dichlorobenzene	ND		1.6		ug/m3			04/11/21 01:43	1.35
1,2-Dichloroethane	ND		1.1		ug/m3			04/11/21 01:43	1.35
1,2-Dichloropropane	ND		1.2		ug/m3			04/11/21 01:43	1.35
1,2-Dichlorotetrafluoroethane	ND		1.9		ug/m3			04/11/21 01:43	1.35
1,3,5-Trimethylbenzene	ND		1.3		ug/m3			04/11/21 01:43	1.35
1,3-Dichlorobenzene	ND		1.6		ug/m3			04/11/21 01:43	1.35
1,4-Dichlorobenzene	ND		1.6		ug/m3			04/11/21 01:43	1.35
1,4-Dioxane	ND		2.4		ug/m3			04/11/21 01:43	1.35
2,2,4-Trimethylpentane	ND		3.2		ug/m3			04/11/21 01:43	1.35
2-Butanone	**4.4**		3.2		ug/m3			04/11/21 01:43	1.35
4-Methyl-2-pentanone (MIBK)	ND		2.8		ug/m3			04/11/21 01:43	1.35
Benzene	ND		0.86		ug/m3			04/11/21 01:43	1.35
Benzyl chloride	ND		2.8		ug/m3			04/11/21 01:43	1.35
Bromodichloromethane	ND		1.8		ug/m3			04/11/21 01:43	1.35
Bromoform	ND		2.8		ug/m3			04/11/21 01:43	1.35
Bromomethane	ND		1.0		ug/m3			04/11/21 01:43	1.35
Carbon tetrachloride	ND		0.68		ug/m3			04/11/21 01:43	1.35
Chlorobenzene	ND		1.2		ug/m3			04/11/21 01:43	1.35
Chloroethane	ND		0.71		ug/m3			04/11/21 01:43	1.35
Chloroform	ND		1.3		ug/m3			04/11/21 01:43	1.35
Chloromethane	**1.7**		1.4		ug/m3			04/11/21 01:43	1.35
cis-1,2-Dichloroethene	ND		0.54		ug/m3			04/11/21 01:43	1.35
cis-1,3-Dichloropropene	ND		1.2		ug/m3			04/11/21 01:43	1.35

Client Sample ID: H1_IA_ECH_2021
Lab Sample ID: 140-22606-3

Date Collected: 03/30/21 13:16
Matrix: Air
Date Received: 04/02/21 10:00
Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		2.3		ug/m3			04/11/21 01:43	1.35
Dibromochloromethane	ND		2.3		ug/m3			04/11/21 01:43	1.35
Dichlorodifluoromethane	ND		1.3		ug/m3			04/11/21 01:43	1.35
Ethanol	**3300**	**E**	13		ug/m3			04/11/21 01:43	1.35
Ethylbenzene	ND		1.2		ug/m3			04/11/21 01:43	1.35
Hexachlorobutadiene	ND		2.9		ug/m3			04/11/21 01:43	1.35
Hexane	ND		2.4		ug/m3			04/11/21 01:43	1.35
Methyl tert-butyl ether	ND		1.9		ug/m3			04/11/21 01:43	1.35
Methylene Chloride	**38**		4.7		ug/m3			04/11/21 01:43	1.35
m-Xylene & p-Xylene	**2.3**		1.2		ug/m3			04/11/21 01:43	1.35
Naphthalene	ND		3.5		ug/m3			04/11/21 01:43	1.35
o-Xylene	ND		1.2		ug/m3			04/11/21 01:43	1.35
Styrene	ND		1.2		ug/m3			04/11/21 01:43	1.35
t-Butyl alcohol	ND		3.3		ug/m3			04/11/21 01:43	1.35
Tetrachloroethene	ND		1.8		ug/m3			04/11/21 01:43	1.35
Toluene	**4.4**		1.5		ug/m3			04/11/21 01:43	1.35
trans-1,2-Dichloroethene	ND		1.1		ug/m3			04/11/21 01:43	1.35
trans-1,3-Dichloropropene	ND		1.2		ug/m3			04/11/21 01:43	1.35
Trichloroethene	ND		0.65		ug/m3			04/11/21 01:43	1.35
Trichlorofluoromethane	**6.3**		1.5		ug/m3			04/11/21 01:43	1.35
Vinyl chloride	ND		0.35		ug/m3			04/11/21 01:43	1.35

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 140*		*04/11/21 01:43*	*1.35*

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	**1400**	**D**	68		ppb v/v			04/13/21 20:20	1.35

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	**2700**	**D**	130		ug/m3			04/13/21 20:20	1.35

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 140*		*04/13/21 20:20*	*1.35*

Client Sample ID: H1_OA_ECH_2021
Lab Sample ID: 140-22606-4

Date Collected: 03/30/21 13:28
Matrix: Air
Date Received: 04/02/21 10:00
Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			04/11/21 02:36	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			04/11/21 02:36	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			04/11/21 02:36	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			04/11/21 02:36	1
1,1-Dichloroethane	ND		0.080		ppb v/v			04/11/21 02:36	1
1,1-Dichloroethene	ND		0.040		ppb v/v			04/11/21 02:36	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			04/11/21 02:36	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			04/11/21 02:36	1

Client Sample ID: H1_OA_ECH_2021
Lab Sample ID: 140-22606-4

Date Collected: 03/30/21 13:28
Matrix: Air
Date Received: 04/02/21 10:00
Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.080		ppb v/v			04/11/21 02:36	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			04/11/21 02:36	1
1,2-Dichloroethane	ND		0.080		ppb v/v			04/11/21 02:36	1
1,2-Dichloropropane	ND		0.080		ppb v/v			04/11/21 02:36	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			04/11/21 02:36	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			04/11/21 02:36	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			04/11/21 02:36	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			04/11/21 02:36	1
1,4-Dioxane	ND		0.20		ppb v/v			04/11/21 02:36	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			04/11/21 02:36	1
2-Butanone	**0.47**		0.32		ppb v/v			04/11/21 02:36	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			04/11/21 02:36	1
Benzene	**0.19**		0.080		ppb v/v			04/11/21 02:36	1
Benzyl chloride	ND		0.16		ppb v/v			04/11/21 02:36	1
Bromodichloromethane	ND		0.080		ppb v/v			04/11/21 02:36	1
Bromoform	ND		0.080		ppb v/v			04/11/21 02:36	1
Bromomethane	ND		0.080		ppb v/v			04/11/21 02:36	1
Carbon tetrachloride	**0.074**		0.032		ppb v/v			04/11/21 02:36	1
Chlorobenzene	ND		0.080		ppb v/v			04/11/21 02:36	1
Chloroethane	ND		0.080		ppb v/v			04/11/21 02:36	1
Chloroform	ND		0.080		ppb v/v			04/11/21 02:36	1
Chloromethane	**0.69**		0.20		ppb v/v			04/11/21 02:36	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			04/11/21 02:36	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			04/11/21 02:36	1
Cyclohexane	ND		0.20		ppb v/v			04/11/21 02:36	1
Dibromochloromethane	ND		0.080		ppb v/v			04/11/21 02:36	1
Dichlorodifluoromethane	**0.18**		0.080		ppb v/v			04/11/21 02:36	1
Ethanol	**19**		2.0		ppb v/v			04/11/21 02:36	1
Ethylbenzene	ND		0.080		ppb v/v			04/11/21 02:36	1
Hexachlorobutadiene	ND		0.080		ppb v/v			04/11/21 02:36	1
Hexane	ND		0.20		ppb v/v			04/11/21 02:36	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			04/11/21 02:36	1
Methylene Chloride	**20**	**E**	0.40		ppb v/v			04/11/21 02:36	1
m-Xylene & p-Xylene	**0.17**		0.080		ppb v/v			04/11/21 02:36	1
Naphthalene	ND		0.20		ppb v/v			04/11/21 02:36	1
o-Xylene	ND		0.080		ppb v/v			04/11/21 02:36	1
Styrene	ND		0.080		ppb v/v			04/11/21 02:36	1
t-Butyl alcohol	ND		0.32		ppb v/v			04/11/21 02:36	1
Tetrachloroethene	ND		0.080		ppb v/v			04/11/21 02:36	1
Toluene	**0.40**		0.12		ppb v/v			04/11/21 02:36	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			04/11/21 02:36	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			04/11/21 02:36	1
Trichloroethene	ND		0.036		ppb v/v			04/11/21 02:36	1
Trichlorofluoromethane	**0.22**		0.080		ppb v/v			04/11/21 02:36	1
Vinyl chloride	ND		0.040		ppb v/v			04/11/21 02:36	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			04/11/21 02:36	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			04/11/21 02:36	1

Client Sample ID: H1_OA_ECH_2021
Lab Sample ID: 140-22606-4

Date Collected: 03/30/21 13:28
Matrix: Air
Date Received: 04/02/21 10:00
Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		0.44		ug/m3			04/11/21 02:36	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			04/11/21 02:36	1
1,1-Dichloroethane	ND		0.32		ug/m3			04/11/21 02:36	1
1,1-Dichloroethene	ND		0.16		ug/m3			04/11/21 02:36	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			04/11/21 02:36	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			04/11/21 02:36	1
1,2-Dibromoethane	ND		0.61		ug/m3			04/11/21 02:36	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			04/11/21 02:36	1
1,2-Dichloroethane	ND		0.32		ug/m3			04/11/21 02:36	1
1,2-Dichloropropane	ND		0.37		ug/m3			04/11/21 02:36	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			04/11/21 02:36	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			04/11/21 02:36	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			04/11/21 02:36	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			04/11/21 02:36	1
1,4-Dioxane	ND		0.72		ug/m3			04/11/21 02:36	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			04/11/21 02:36	1
2-Butanone	**1.4**		0.94		ug/m3			04/11/21 02:36	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			04/11/21 02:36	1
Benzene	**0.60**		0.26		ug/m3			04/11/21 02:36	1
Benzyl chloride	ND		0.83		ug/m3			04/11/21 02:36	1
Bromodichloromethane	ND		0.54		ug/m3			04/11/21 02:36	1
Bromoform	ND		0.83		ug/m3			04/11/21 02:36	1
Bromomethane	ND		0.31		ug/m3			04/11/21 02:36	1
Carbon tetrachloride	**0.46**		0.20		ug/m3			04/11/21 02:36	1
Chlorobenzene	ND		0.37		ug/m3			04/11/21 02:36	1
Chloroethane	ND		0.21		ug/m3			04/11/21 02:36	1
Chloroform	ND		0.39		ug/m3			04/11/21 02:36	1
Chloromethane	**1.4**		0.41		ug/m3			04/11/21 02:36	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			04/11/21 02:36	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			04/11/21 02:36	1
Cyclohexane	ND		0.69		ug/m3			04/11/21 02:36	1
Dibromochloromethane	ND		0.68		ug/m3			04/11/21 02:36	1
Dichlorodifluoromethane	**0.91**		0.40		ug/m3			04/11/21 02:36	1
Ethanol	**35**		3.8		ug/m3			04/11/21 02:36	1
Ethylbenzene	ND		0.35		ug/m3			04/11/21 02:36	1
Hexachlorobutadiene	ND		0.85		ug/m3			04/11/21 02:36	1
Hexane	ND		0.70		ug/m3			04/11/21 02:36	1
Methyl tert-butyl ether	ND		0.58		ug/m3			04/11/21 02:36	1
Methylene Chloride	**69**	**E**	1.4		ug/m3			04/11/21 02:36	1
m-Xylene & p-Xylene	**0.74**		0.35		ug/m3			04/11/21 02:36	1
Naphthalene	ND		1.0		ug/m3			04/11/21 02:36	1
o-Xylene	ND		0.35		ug/m3			04/11/21 02:36	1
Styrene	ND		0.34		ug/m3			04/11/21 02:36	1
t-Butyl alcohol	ND		0.97		ug/m3			04/11/21 02:36	1
Tetrachloroethene	ND		0.54		ug/m3			04/11/21 02:36	1
Toluene	**1.5**		0.45		ug/m3			04/11/21 02:36	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			04/11/21 02:36	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			04/11/21 02:36	1

Client Sample ID: H1_OA_ECH_2021
Lab Sample ID: 140-22606-4

Date Collected: 03/30/21 13:28
Matrix: Air
Date Received: 04/02/21 10:00
Sample Container: Summa Canister 6L

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		0.19		ug/m3			04/11/21 02:36	1
Trichlorofluoromethane	**1.2**		0.45		ug/m3			04/11/21 02:36	1
Vinyl chloride	ND		0.10		ug/m3			04/11/21 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 140*		*04/11/21 02:36*	*1*

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	**15**	**D**	1.6		ppb v/v			04/12/21 18:03	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	**52**	**D**	5.6		ug/m3			04/12/21 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*60 - 140*		*04/12/21 18:03*	*1*

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	RL	MDL	Units
1,1,1-Trichloroethane	0.080	0.037	ppb v/v
1,1,1-Trichloroethane	0.44	0.20	ug/m3
1,1,2,2-Tetrachloroethane	0.080	0.014	ppb v/v
1,1,2,2-Tetrachloroethane	0.55	0.096	ug/m3
1,1,2-Trichloroethane	0.080	0.0070	ppb v/v
1,1,2-Trichloroethane	0.44	0.038	ug/m3
1,1,2-Trichlorotrifluoroethane	0.080	0.0080	ppb v/v
1,1,2-Trichlorotrifluoroethane	0.61	0.061	ug/m3
1,1-Dichloroethane	0.080	0.0070	ppb v/v
1,1-Dichloroethane	0.32	0.028	ug/m3
1,1-Dichloroethene	0.040	0.0080	ppb v/v
1,1-Dichloroethene	0.16	0.032	ug/m3
1,2,4-Trichlorobenzene	0.080	0.064	ppb v/v
1,2,4-Trichlorobenzene	0.59	0.47	ug/m3
1,2,4-Trimethylbenzene	0.080	0.020	ppb v/v
1,2,4-Trimethylbenzene	0.39	0.098	ug/m3
1,2-Dibromoethane	0.080	0.0070	ppb v/v
1,2-Dibromoethane	0.61	0.054	ug/m3
1,2-Dichlorobenzene	0.080	0.031	ppb v/v
1,2-Dichlorobenzene	0.48	0.19	ug/m3
1,2-Dichloroethane	0.080	0.010	ppb v/v
1,2-Dichloroethane	0.32	0.040	ug/m3
1,2-Dichloropropane	0.080	0.010	ppb v/v
1,2-Dichloropropane	0.37	0.046	ug/m3
1,2-Dichlorotetrafluoroethane	0.080	0.012	ppb v/v
1,2-Dichlorotetrafluoroethane	0.56	0.084	ug/m3
1,3,5-Trimethylbenzene	0.080	0.022	ppb v/v
1,3,5-Trimethylbenzene	0.39	0.11	ug/m3
1,3-Dichlorobenzene	0.080	0.016	ppb v/v
1,3-Dichlorobenzene	0.48	0.096	ug/m3
1,4-Dichlorobenzene	0.080	0.016	ppb v/v
1,4-Dichlorobenzene	0.48	0.096	ug/m3
1,4-Dioxane	0.20	0.030	ppb v/v
1,4-Dioxane	0.72	0.11	ug/m3
2,2,4-Trimethylpentane	0.20	0.0080	ppb v/v
2,2,4-Trimethylpentane	0.93	0.037	ug/m3
2-Butanone	0.32	0.073	ppb v/v
2-Butanone	0.94	0.22	ug/m3
4-Methyl-2-pentanone (MIBK)	0.20	0.054	ppb v/v
4-Methyl-2-pentanone (MIBK)	0.82	0.22	ug/m3
Benzene	0.080	0.0080	ppb v/v
Benzene	0.26	0.026	ug/m3
Benzyl chloride	0.16	0.038	ppb v/v
Benzyl chloride	0.83	0.20	ug/m3
Bromodichloromethane	0.080	0.018	ppb v/v
Bromodichloromethane	0.54	0.12	ug/m3
Bromoform	0.080	0.0090	ppb v/v
Bromoform	0.83	0.093	ug/m3
Bromomethane	0.080	0.022	ppb v/v
Bromomethane	0.31	0.085	ug/m3
Carbon tetrachloride	0.032	0.0070	ppb v/v
Carbon tetrachloride	0.20	0.044	ug/m3
Chlorobenzene	0.080	0.0060	ppb v/v

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Conti

Analyte	RL	MDL	Units
Chlorobenzene	0.37	0.028	ug/m3
Chloroethane	0.080	0.029	ppb v/v
Chloroethane	0.21	0.077	ug/m3
Chloroform	0.080	0.0070	ppb v/v
Chloroform	0.39	0.034	ug/m3
Chloromethane	0.20	0.066	ppb v/v
Chloromethane	0.41	0.14	ug/m3
cis-1,2-Dichloroethene	0.040	0.010	ppb v/v
cis-1,2-Dichloroethene	0.16	0.040	ug/m3
cis-1,3-Dichloropropene	0.080	0.016	ppb v/v
cis-1,3-Dichloropropene	0.36	0.073	ug/m3
Cyclohexane	0.20	0.023	ppb v/v
Cyclohexane	0.69	0.079	ug/m3
Dibromochloromethane	0.080	0.0070	ppb v/v
Dibromochloromethane	0.68	0.060	ug/m3
Dichlorodifluoromethane	0.080	0.014	ppb v/v
Dichlorodifluoromethane	0.40	0.069	ug/m3
Ethanol	2.0	0.87	ppb v/v
Ethanol	3.8	1.6	ug/m3
Ethylbenzene	0.080	0.013	ppb v/v
Ethylbenzene	0.35	0.056	ug/m3
Hexachlorobutadiene	0.080	0.032	ppb v/v
Hexachlorobutadiene	0.85	0.34	ug/m3
Hexane	0.20	0.013	ppb v/v
Hexane	0.70	0.046	ug/m3
Methyl tert-butyl ether	0.16	0.052	ppb v/v
Methyl tert-butyl ether	0.58	0.19	ug/m3
Methylene Chloride	0.40	0.39	ppb v/v
Methylene Chloride	1.4	1.4	ug/m3
m-Xylene & p-Xylene	0.080	0.029	ppb v/v
m-Xylene & p-Xylene	0.35	0.13	ug/m3
Naphthalene	0.20	0.076	ppb v/v
Naphthalene	1.0	0.40	ug/m3
o-Xylene	0.080	0.015	ppb v/v
o-Xylene	0.35	0.065	ug/m3
Styrene	0.080	0.024	ppb v/v
Styrene	0.34	0.10	ug/m3
t-Butyl alcohol	0.32	0.033	ppb v/v
t-Butyl alcohol	0.97	0.10	ug/m3
Tetrachloroethene	0.080	0.0070	ppb v/v
Tetrachloroethene	0.54	0.047	ug/m3
Toluene	0.12	0.078	ppb v/v
Toluene	0.45	0.29	ug/m3
trans-1,2-Dichloroethene	0.080	0.0070	ppb v/v
trans-1,2-Dichloroethene	0.32	0.028	ug/m3
trans-1,3-Dichloropropene	0.080	0.0090	ppb v/v
trans-1,3-Dichloropropene	0.36	0.041	ug/m3
Trichloroethene	0.036	0.013	ppb v/v
Trichloroethene	0.19	0.070	ug/m3
Trichlorofluoromethane	0.080	0.011	ppb v/v
Trichlorofluoromethane	0.45	0.062	ug/m3
Vinyl chloride	0.040	0.026	ppb v/v
Vinyl chloride	0.10	0.066	ug/m3

Surrogate Summary

Client: New York State D.E.C.
Job ID: 140-22606-1
Project/Site: 10 East Chester St. #C356032A

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Matrix: Air **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		BFB							
Lab Sample ID	Client Sample ID	(60-140)							
140-22606-1	H1_SS_ECH_2021	97							
140-22606-1 - DL	H1_SS_ECH_2021	109							
140-22606-2	DUPE_SS_ECH_2021	101							
140-22606-2 - DL	DUPE_SS_ECH_2021	109							
140-22606-3	H1_IA_ECH_2021	98							
140-22606-3 - DL	H1_IA_ECH_2021	96							
140-22606-4	H1_OA_ECH_2021	100							
140-22606-4 - DL	H1_OA_ECH_2021	116							
LCS 140-48621/1002	Lab Control Sample	109							
LCS 140-48707/1002	Lab Control Sample	122							
LCS 140-48724/1002	Lab Control Sample	103							
MB 140-48621/4	Method Blank	94							
MB 140-48707/4	Method Blank	109							
MB 140-48724/8	Method Blank	94							

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Lab Sample ID: MB 140-48621/4
Matrix: Air
Analysis Batch: 48621

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			04/10/21 10:33	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			04/10/21 10:33	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			04/10/21 10:33	1
1,1,2-Trichlorotrifluoroethane	ND		0.080		ppb v/v			04/10/21 10:33	1
1,1-Dichloroethane	ND		0.080		ppb v/v			04/10/21 10:33	1
1,1-Dichloroethene	ND		0.040		ppb v/v			04/10/21 10:33	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			04/10/21 10:33	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			04/10/21 10:33	1
1,2-Dibromoethane	ND		0.080		ppb v/v			04/10/21 10:33	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			04/10/21 10:33	1
1,2-Dichloroethane	ND		0.080		ppb v/v			04/10/21 10:33	1
1,2-Dichloropropane	ND		0.080		ppb v/v			04/10/21 10:33	1
1,2-Dichlorotetrafluoroethane	ND		0.080		ppb v/v			04/10/21 10:33	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			04/10/21 10:33	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			04/10/21 10:33	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			04/10/21 10:33	1
1,4-Dioxane	ND		0.20		ppb v/v			04/10/21 10:33	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			04/10/21 10:33	1
2-Butanone	ND		0.32		ppb v/v			04/10/21 10:33	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			04/10/21 10:33	1
Benzene	ND		0.080		ppb v/v			04/10/21 10:33	1
Benzyl chloride	ND		0.16		ppb v/v			04/10/21 10:33	1
Bromodichloromethane	ND		0.080		ppb v/v			04/10/21 10:33	1
Bromoform	ND		0.080		ppb v/v			04/10/21 10:33	1
Bromomethane	ND		0.080		ppb v/v			04/10/21 10:33	1
Carbon tetrachloride	ND		0.032		ppb v/v			04/10/21 10:33	1
Chlorobenzene	ND		0.080		ppb v/v			04/10/21 10:33	1
Chloroethane	ND		0.080		ppb v/v			04/10/21 10:33	1
Chloroform	ND		0.080		ppb v/v			04/10/21 10:33	1
Chloromethane	ND		0.20		ppb v/v			04/10/21 10:33	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			04/10/21 10:33	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			04/10/21 10:33	1
Cyclohexane	ND		0.20		ppb v/v			04/10/21 10:33	1
Dibromochloromethane	ND		0.080		ppb v/v			04/10/21 10:33	1
Dichlorodifluoromethane	ND		0.080		ppb v/v			04/10/21 10:33	1
Ethanol	ND		2.0		ppb v/v			04/10/21 10:33	1
Ethylbenzene	ND		0.080		ppb v/v			04/10/21 10:33	1
Hexachlorobutadiene	ND		0.080		ppb v/v			04/10/21 10:33	1
Hexane	ND		0.20		ppb v/v			04/10/21 10:33	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			04/10/21 10:33	1
Methylene Chloride	ND		0.40		ppb v/v			04/10/21 10:33	1
m-Xylene & p-Xylene	ND		0.080		ppb v/v			04/10/21 10:33	1
Naphthalene	ND		0.20		ppb v/v			04/10/21 10:33	1
o-Xylene	ND		0.080		ppb v/v			04/10/21 10:33	1
Styrene	ND		0.080		ppb v/v			04/10/21 10:33	1
t-Butyl alcohol	ND		0.32		ppb v/v			04/10/21 10:33	1
Tetrachloroethene	ND		0.080		ppb v/v			04/10/21 10:33	1
Toluene	ND		0.12		ppb v/v			04/10/21 10:33	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 140-48621/4
Matrix: Air
Analysis Batch: 48621

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			04/10/21 10:33	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			04/10/21 10:33	1
Trichloroethene	ND		0.036		ppb v/v			04/10/21 10:33	1
Trichlorofluoromethane	ND		0.080		ppb v/v			04/10/21 10:33	1
Vinyl chloride	ND		0.040		ppb v/v			04/10/21 10:33	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			04/10/21 10:33	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			04/10/21 10:33	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			04/10/21 10:33	1
1,1,2-Trichlorotrifluoroethane	ND		0.61		ug/m3			04/10/21 10:33	1
1,1-Dichloroethane	ND		0.32		ug/m3			04/10/21 10:33	1
1,1-Dichloroethene	ND		0.16		ug/m3			04/10/21 10:33	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			04/10/21 10:33	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			04/10/21 10:33	1
1,2-Dibromoethane	ND		0.61		ug/m3			04/10/21 10:33	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			04/10/21 10:33	1
1,2-Dichloroethane	ND		0.32		ug/m3			04/10/21 10:33	1
1,2-Dichloropropane	ND		0.37		ug/m3			04/10/21 10:33	1
1,2-Dichlorotetrafluoroethane	ND		0.56		ug/m3			04/10/21 10:33	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			04/10/21 10:33	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			04/10/21 10:33	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			04/10/21 10:33	1
1,4-Dioxane	ND		0.72		ug/m3			04/10/21 10:33	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			04/10/21 10:33	1
2-Butanone	ND		0.94		ug/m3			04/10/21 10:33	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			04/10/21 10:33	1
Benzene	ND		0.26		ug/m3			04/10/21 10:33	1
Benzyl chloride	ND		0.83		ug/m3			04/10/21 10:33	1
Bromodichloromethane	ND		0.54		ug/m3			04/10/21 10:33	1
Bromoform	ND		0.83		ug/m3			04/10/21 10:33	1
Bromomethane	ND		0.31		ug/m3			04/10/21 10:33	1
Carbon tetrachloride	ND		0.20		ug/m3			04/10/21 10:33	1
Chlorobenzene	ND		0.37		ug/m3			04/10/21 10:33	1
Chloroethane	ND		0.21		ug/m3			04/10/21 10:33	1
Chloroform	ND		0.39		ug/m3			04/10/21 10:33	1
Chloromethane	ND		0.41		ug/m3			04/10/21 10:33	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			04/10/21 10:33	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			04/10/21 10:33	1
Cyclohexane	ND		0.69		ug/m3			04/10/21 10:33	1
Dibromochloromethane	ND		0.68		ug/m3			04/10/21 10:33	1
Dichlorodifluoromethane	ND		0.40		ug/m3			04/10/21 10:33	1
Ethanol	ND		3.8		ug/m3			04/10/21 10:33	1
Ethylbenzene	ND		0.35		ug/m3			04/10/21 10:33	1
Hexachlorobutadiene	ND		0.85		ug/m3			04/10/21 10:33	1
Hexane	ND		0.70		ug/m3			04/10/21 10:33	1
Methyl tert-butyl ether	ND		0.58		ug/m3			04/10/21 10:33	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 140-48621/4
Matrix: Air
Analysis Batch: 48621

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.4		ug/m3			04/10/21 10:33	1
m-Xylene & p-Xylene	ND		0.35		ug/m3			04/10/21 10:33	1
Naphthalene	ND		1.0		ug/m3			04/10/21 10:33	1
o-Xylene	ND		0.35		ug/m3			04/10/21 10:33	1
Styrene	ND		0.34		ug/m3			04/10/21 10:33	1
t-Butyl alcohol	ND		0.97		ug/m3			04/10/21 10:33	1
Tetrachloroethene	ND		0.54		ug/m3			04/10/21 10:33	1
Toluene	ND		0.45		ug/m3			04/10/21 10:33	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			04/10/21 10:33	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			04/10/21 10:33	1
Trichloroethene	ND		0.19		ug/m3			04/10/21 10:33	1
Trichlorofluoromethane	ND		0.45		ug/m3			04/10/21 10:33	1
Vinyl chloride	ND		0.10		ug/m3			04/10/21 10:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 140*		*04/10/21 10:33*	*1*

Lab Sample ID: LCS 140-48621/1002
Matrix: Air
Analysis Batch: 48621

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2.00	1.94		ppb v/v		97	70 - 130
1,1,2,2-Tetrachloroethane	2.00	2.15		ppb v/v		107	70 - 130
1,1,2-Trichloroethane	2.00	2.07		ppb v/v		104	70 - 130
1,1,2-Trichlorotrifluoroethane	2.00	2.09		ppb v/v		105	70 - 130
1,1-Dichloroethane	2.00	2.09		ppb v/v		104	70 - 130
1,1-Dichloroethene	2.00	1.95		ppb v/v		97	70 - 130
1,2,4-Trichlorobenzene	2.00	1.85		ppb v/v		92	60 - 140
1,2,4-Trimethylbenzene	2.00	1.97		ppb v/v		99	70 - 130
1,2-Dibromoethane	2.00	1.88		ppb v/v		94	70 - 130
1,2-Dichlorobenzene	2.00	1.82		ppb v/v		91	70 - 130
1,2-Dichloroethane	2.00	2.07		ppb v/v		104	70 - 130
1,2-Dichloropropane	2.00	1.98		ppb v/v		99	70 - 130
1,2-Dichlorotetrafluoroethane	2.00	2.22		ppb v/v		111	60 - 140
1,3,5-Trimethylbenzene	2.00	2.04		ppb v/v		102	70 - 130
1,3-Dichlorobenzene	2.00	1.90		ppb v/v		95	70 - 130
1,4-Dichlorobenzene	2.00	1.79		ppb v/v		90	70 - 130
1,4-Dioxane	2.00	1.85		ppb v/v		92	60 - 140
2,2,4-Trimethylpentane	2.00	2.04		ppb v/v		102	70 - 130
2-Butanone	2.00	2.16		ppb v/v		108	60 - 140
4-Methyl-2-pentanone (MIBK)	2.00	2.25		ppb v/v		113	60 - 140
Benzene	2.00	2.25		ppb v/v		112	70 - 130
Benzyl chloride	2.00	2.29		ppb v/v		115	70 - 130
Bromodichloromethane	2.00	2.09		ppb v/v		104	70 - 130
Bromoform	2.00	1.79		ppb v/v		89	60 - 140
Bromomethane	2.00	2.30		ppb v/v		115	70 - 130

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 140-48621/1002
Matrix: Air
Analysis Batch: 48621

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	2.00	1.90		ppb v/v		95	70 - 130
Chlorobenzene	2.00	1.81		ppb v/v		90	70 - 130
Chloroethane	2.00	2.44		ppb v/v		122	70 - 130
Chloroform	2.00	2.24		ppb v/v		112	70 - 130
Chloromethane	2.00	2.29		ppb v/v		114	60 - 140
cis-1,2-Dichloroethene	2.00	1.94		ppb v/v		97	70 - 130
cis-1,3-Dichloropropene	2.00	2.06		ppb v/v		103	70 - 130
Cyclohexane	2.00	2.19		ppb v/v		110	70 - 130
Dibromochloromethane	2.00	1.87		ppb v/v		93	70 - 130
Dichlorodifluoromethane	2.00	2.50		ppb v/v		125	60 - 140
Ethanol	10.0	13.5		ppb v/v		135	60 - 140
Ethylbenzene	2.00	1.91		ppb v/v		96	70 - 130
Hexachlorobutadiene	2.00	1.51		ppb v/v		76	60 - 140
Hexane	2.00	2.09		ppb v/v		105	70 - 130
Methyl tert-butyl ether	2.00	2.23		ppb v/v		112	60 - 140
Methylene Chloride	2.00	2.25		ppb v/v		112	70 - 130
m-Xylene & p-Xylene	4.00	4.02		ppb v/v		100	70 - 130
Naphthalene	2.00	2.11		ppb v/v		106	60 - 140
o-Xylene	2.00	1.97		ppb v/v		98	70 - 130
Styrene	2.00	2.07		ppb v/v		104	70 - 130
t-Butyl alcohol	2.00	2.40		ppb v/v		120	60 - 140
Tetrachloroethene	2.00	1.74		ppb v/v		87	70 - 130
Toluene	2.00	1.94		ppb v/v		97	70 - 130
trans-1,2-Dichloroethene	2.00	2.15		ppb v/v		107	70 - 130
trans-1,3-Dichloropropene	2.00	2.05		ppb v/v		103	70 - 130
Trichloroethene	2.00	1.67		ppb v/v		84	70 - 130
Trichlorofluoromethane	2.00	2.31		ppb v/v		116	60 - 140
Vinyl chloride	2.00	2.48		ppb v/v		124	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	11	10.6		ug/m3		97	70 - 130
1,1,2,2-Tetrachloroethane	14	14.7		ug/m3		107	70 - 130
1,1,2-Trichloroethane	11	11.3		ug/m3		104	70 - 130
1,1,2-Trichlorotrifluoroethane	15	16.0		ug/m3		105	70 - 130
1,1-Dichloroethane	8.1	8.45		ug/m3		104	70 - 130
1,1-Dichloroethene	7.9	7.72		ug/m3		97	70 - 130
1,2,4-Trichlorobenzene	15	13.7		ug/m3		92	60 - 140
1,2,4-Trimethylbenzene	9.8	9.70		ug/m3		99	70 - 130
1,2-Dibromoethane	15	14.5		ug/m3		94	70 - 130
1,2-Dichlorobenzene	12	10.9		ug/m3		91	70 - 130
1,2-Dichloroethane	8.1	8.40		ug/m3		104	70 - 130
1,2-Dichloropropane	9.2	9.14		ug/m3		99	70 - 130
1,2-Dichlorotetrafluoroethane	14	15.5		ug/m3		111	60 - 140
1,3,5-Trimethylbenzene	9.8	10.0		ug/m3		102	70 - 130
1,3-Dichlorobenzene	12	11.4		ug/m3		95	70 - 130
1,4-Dichlorobenzene	12	10.8		ug/m3		90	70 - 130
1,4-Dioxane	7.2	6.66		ug/m3		92	60 - 140

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 140-48621/1002
Matrix: Air
Analysis Batch: 48621

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2,4-Trimethylpentane	9.3	9.55		ug/m3		102	70 - 130
2-Butanone	5.9	6.37		ug/m3		108	60 - 140
4-Methyl-2-pentanone (MIBK)	8.2	9.23		ug/m3		113	60 - 140
Benzene	6.4	7.18		ug/m3		112	70 - 130
Benzyl chloride	10	11.9		ug/m3		115	70 - 130
Bromodichloromethane	13	14.0		ug/m3		104	70 - 130
Bromoform	21	18.5		ug/m3		89	60 - 140
Bromomethane	7.8	8.93		ug/m3		115	70 - 130
Carbon tetrachloride	13	12.0		ug/m3		95	70 - 130
Chlorobenzene	9.2	8.32		ug/m3		90	70 - 130
Chloroethane	5.3	6.45		ug/m3		122	70 - 130
Chloroform	9.8	10.9		ug/m3		112	70 - 130
Chloromethane	4.1	4.72		ug/m3		114	60 - 140
cis-1,2-Dichloroethene	7.9	7.69		ug/m3		97	70 - 130
cis-1,3-Dichloropropene	9.1	9.35		ug/m3		103	70 - 130
Cyclohexane	6.9	7.55		ug/m3		110	70 - 130
Dibromochloromethane	17	15.9		ug/m3		93	70 - 130
Dichlorodifluoromethane	9.9	12.4		ug/m3		125	60 - 140
Ethanol	19	25.5		ug/m3		135	60 - 140
Ethylbenzene	8.7	8.30		ug/m3		96	70 - 130
Hexachlorobutadiene	21	16.1		ug/m3		76	60 - 140
Hexane	7.0	7.38		ug/m3		105	70 - 130
Methyl tert-butyl ether	7.2	8.05		ug/m3		112	60 - 140
Methylene Chloride	6.9	7.80		ug/m3		112	70 - 130
m-Xylene & p-Xylene	17	17.4		ug/m3		100	70 - 130
Naphthalene	10	11.1		ug/m3		106	60 - 140
o-Xylene	8.7	8.54		ug/m3		98	70 - 130
Styrene	8.5	8.82		ug/m3		104	70 - 130
t-Butyl alcohol	6.1	7.27		ug/m3		120	60 - 140
Tetrachloroethene	14	11.8		ug/m3		87	70 - 130
Toluene	7.5	7.32		ug/m3		97	70 - 130
trans-1,2-Dichloroethene	7.9	8.52		ug/m3		107	70 - 130
trans-1,3-Dichloropropene	9.1	9.32		ug/m3		103	70 - 130
Trichloroethene	11	8.98		ug/m3		84	70 - 130
Trichlorofluoromethane	11	13.0		ug/m3		116	60 - 140
Vinyl chloride	5.1	6.35		ug/m3		124	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*60 - 140*

Lab Sample ID: MB 140-48707/4
Matrix: Air
Analysis Batch: 48707

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	ND		2.0		ppb v/v			04/12/21 11:18	1
Methylene Chloride	ND		0.40		ppb v/v			04/12/21 11:18	1

Method: TO 15 LL - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	ND		3.8		ug/m3			04/12/21 11:18	1
Methylene Chloride	ND		1.4		ug/m3			04/12/21 11:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*60 - 140*		*04/12/21 11:18*	*1*

Lab Sample ID: LCS 140-48707/1002
Matrix: Air
Analysis Batch: 48707

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethanol			10.0	6.42		ppb v/v		64	60 - 140		
Methylene Chloride			2.00	1.74		ppb v/v		87	70 - 130		
Analyte			**Spike Added**	**LCS Result**	**LCS Qualifier**	**Unit**	**D**	**%Rec**	**%Rec. Limits**		
Ethanol			19	12.1		ug/m3		64	60 - 140		
Methylene Chloride			6.9	6.05		ug/m3		87	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*122*		*60 - 140*

Lab Sample ID: MB 140-48724/8
Matrix: Air
Analysis Batch: 48724

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	ND		2.0		ppb v/v			04/13/21 16:04	1
Analyte	**MB Result**	**MB Qualifier**	**RL**	**MDL**	**Unit**	**D**	**Prepared**	**Analyzed**	**Dil Fac**
Ethanol	ND		3.8		ug/m3			04/13/21 16:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 140*		*04/13/21 16:04*	*1*

Lab Sample ID: LCS 140-48724/1002
Matrix: Air
Analysis Batch: 48724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethanol			10.0	9.25		ppb v/v		93	60 - 140		
Analyte			**Spike Added**	**LCS Result**	**LCS Qualifier**	**Unit**	**D**	**%Rec**	**%Rec. Limits**		
Ethanol			19	17.4		ug/m3		93	60 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*60 - 140*

QC Association Summary

Client: New York State D.E.C.
Job ID: 140-22606-1
Project/Site: 10 East Chester St. #C356032A

Air - GC/MS VOA

Analysis Batch: 48621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-22606-1	H1_SS_ECH_2021	Total/NA	Air	TO 15 LL	
140-22606-2	DUPE_SS_ECH_2021	Total/NA	Air	TO 15 LL	
140-22606-3	H1_IA_ECH_2021	Total/NA	Air	TO 15 LL	
140-22606-4	H1_OA_ECH_2021	Total/NA	Air	TO 15 LL	
MB 140-48621/4	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-48621/1002	Lab Control Sample	Total/NA	Air	TO 15 LL	

Analysis Batch: 48707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-22606-1 - DL	H1_SS_ECH_2021	Total/NA	Air	TO 15 LL	
140-22606-2 - DL	DUPE_SS_ECH_2021	Total/NA	Air	TO 15 LL	
140-22606-4 - DL	H1_OA_ECH_2021	Total/NA	Air	TO 15 LL	
MB 140-48707/4	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-48707/1002	Lab Control Sample	Total/NA	Air	TO 15 LL	

Analysis Batch: 48724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-22606-3 - DL	H1_IA_ECH_2021	Total/NA	Air	TO 15 LL	
MB 140-48724/8	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-48724/1002	Lab Control Sample	Total/NA	Air	TO 15 LL	

Client Sample ID: H1_SS_ECH_2021 — Lab Sample ID: 140-22606-1

Date Collected: 03/30/21 13:17 — **Matrix: Air**
Date Received: 04/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1.32	200 mL	500 mL	48621	04/11/21 00:06	HMT	TAL KNX
	Instrument ID: MR									
Total/NA	Analysis	TO 15 LL	DL	1.32	30 mL	500 mL	48707	04/13/21 07:05	HMT	TAL KNX
	Instrument ID: MS									

Client Sample ID: DUPE_SS_ECH_2021 — Lab Sample ID: 140-22606-2

Date Collected: 03/30/21 13:17 — **Matrix: Air**
Date Received: 04/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1.34	200 mL	500 mL	48621	04/11/21 00:55	HMT	TAL KNX
	Instrument ID: MR									
Total/NA	Analysis	TO 15 LL	DL	1.34	30 mL	500 mL	48707	04/13/21 07:52	HMT	TAL KNX
	Instrument ID: MS									

Client Sample ID: H1_IA_ECH_2021 — Lab Sample ID: 140-22606-3

Date Collected: 03/30/21 13:16 — **Matrix: Air**
Date Received: 04/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1.35	200 mL	500 mL	48621	04/11/21 01:43	HMT	TAL KNX
	Instrument ID: MR									
Total/NA	Analysis	TO 15 LL	DL	1.35	20 mL	500 mL	48724	04/13/21 20:20	HMT	TAL KNX
	Instrument ID: MR									

Client Sample ID: H1_OA_ECH_2021 — Lab Sample ID: 140-22606-4

Date Collected: 03/30/21 13:28 — **Matrix: Air**
Date Received: 04/02/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	48621	04/11/21 02:36	HMT	TAL KNX
	Instrument ID: MR									
Total/NA	Analysis	TO 15 LL	DL	1	125 mL	500 mL	48707	04/12/21 18:03	HMT	TAL KNX
	Instrument ID: MS									

Client Sample ID: Method Blank — Lab Sample ID: MB 140-48621/4

Date Collected: N/A — **Matrix: Air**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	48621	04/10/21 10:33	HMT	TAL KNX
	Instrument ID: MR									

Client Sample ID: Method Blank — Lab Sample ID: MB 140-48707/4

Date Collected: N/A **Matrix: Air**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	48707	04/12/21 11:18	HMT	TAL KNX
	Instrument ID: MS									

Client Sample ID: Method Blank — Lab Sample ID: MB 140-48724/8

Date Collected: N/A **Matrix: Air**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	48724	04/13/21 16:04	HMT	TAL KNX
	Instrument ID: MR									

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 140-48621/1002

Date Collected: N/A **Matrix: Air**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	48621	04/10/21 07:56	HMT	TAL KNX
	Instrument ID: MR									

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 140-48707/1002

Date Collected: N/A **Matrix: Air**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	48707	04/12/21 08:30	HMT	TAL KNX
	Instrument ID: MS									

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 140-48724/1002

Date Collected: N/A **Matrix: Air**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	48724	04/13/21 10:55	HMT	TAL KNX
	Instrument ID: MR									

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Accreditation/Certification Summary

Client: New York State D.E.C. Job ID: 140-22606-1
Project/Site: 10 East Chester St. #C356032A

Laboratory: Eurofins TestAmerica, Knoxville

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10781	03-31-22

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
TO 15 LL		Air	1,1,2-Trichlorotrifluoroethane
TO 15 LL		Air	1,2-Dichlorotetrafluoroethane
TO 15 LL		Air	1,3,5-Trimethylbenzene
TO 15 LL		Air	Dichlorodifluoromethane
TO 15 LL		Air	Ethanol
TO 15 LL		Air	o-Xylene
TO 15 LL		Air	Trichlorofluoromethane

Method Summary

Client: New York State D.E.C.
Job ID: 140-22606-1
Project/Site: 10 East Chester St. #C356032A

Method	Method Description	Protocol	Laboratory
TO 15 LL	Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	EPA	TAL KNX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL KNX = Eurofins TestAmerica, Knoxville, 5815 Middlebrook Pike, Knoxville, TN 37921, TEL (865)291-3000

Sample Summary

Client: New York State D.E.C.
Job ID: 140-22606-1
Project/Site: 10 East Chester St. #C356032A

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
140-22606-1	H1_SS_ECH_2021	Air	03/30/21 13:17	04/02/21 10:00	Air Canister (6-Liter) #34000373
140-22606-2	DUPE_SS_ECH_2021	Air	03/30/21 13:17	04/02/21 10:00	Air Canister (6-Liter) #34000011
140-22606-3	H1_IA_ECH_2021	Air	03/30/21 13:16	04/02/21 10:00	Air Canister (6-Liter) #34000016
140-22606-4	H1_OA_ECH_2021	Air	03/30/21 13:28	04/02/21 10:00	Air Canister (6-Liter) #34002040

Method TO15 Low Level

Volatile Organic Compounds - Low level (GC/MS) by Method TO 15

FORM II
AIR - GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Matrix: Air Level: Low

GC Column (1): RTX-5 ID: 0.32(mm)

Client Sample ID	Lab Sample ID	BFB #
H1_SS_ECH_2021	140-22606-1	97
H1_SS_ECH_2021 DL	140-22606-1 DL	109
DUPE_SS_ECH_2021	140-22606-2	101
DUPE_SS_ECH_2021 DL	140-22606-2 DL	109
H1_IA_ECH_2021	140-22606-3	98
H1_IA_ECH_2021 DL	140-22606-3 DL	96
H1_OA_ECH_2021	140-22606-4	100
H1_OA_ECH_2021 DL	140-22606-4 DL	116
	MB 140-48621/4	94
	MB 140-48707/4	109
	MB 140-48724/8	94
	LCS 140-48621/1002	109
	LCS 140-48707/1002	122
	LCS 140-48724/1002	103

	QC LIMITS
BFB = 4-Bromofluorobenzene (Surr)	60-140

Column to be used to flag recovery values

FORM II TO 15 LL

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Matrix: Air Level: Low Lab File ID: RCCVD10-LCS.d

Lab ID: LCS 140-48621/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	2.00	1.94	97	70-130	
1,1,2,2-Tetrachloroethane	2.00	2.15	107	70-130	
1,1,2-Trichloroethane	2.00	2.07	104	70-130	
1,1,2-Trichlorotrifluoroethane	2.00	2.09	105	70-130	
1,1-Dichloroethane	2.00	2.09	104	70-130	
1,1-Dichloroethene	2.00	1.95	97	70-130	
1,2,4-Trichlorobenzene	2.00	1.85	92	60-140	
1,2,4-Trimethylbenzene	2.00	1.97	99	70-130	
1,2-Dibromoethane	2.00	1.88	94	70-130	
1,2-Dichlorobenzene	2.00	1.82	91	70-130	
1,2-Dichloroethane	2.00	2.07	104	70-130	
1,2-Dichloropropane	2.00	1.98	99	70-130	
1,2-Dichlorotetrafluoroethane	2.00	2.22	111	60-140	
1,3,5-Trimethylbenzene	2.00	2.04	102	70-130	
1,3-Dichlorobenzene	2.00	1.90	95	70-130	
1,4-Dichlorobenzene	2.00	1.79	90	70-130	
1,4-Dioxane	2.00	1.85	92	60-140	
2,2,4-Trimethylpentane	2.00	2.04	102	70-130	
2-Butanone	2.00	2.16	108	60-140	
4-Methyl-2-pentanone (MIBK)	2.00	2.25	113	60-140	
Benzene	2.00	2.25	112	70-130	
Benzyl chloride	2.00	2.29	115	70-130	
Bromodichloromethane	2.00	2.09	104	70-130	
Bromoform	2.00	1.79	89	60-140	
Bromomethane	2.00	2.30	115	70-130	
Carbon tetrachloride	2.00	1.90	95	70-130	
Chlorobenzene	2.00	1.81	90	70-130	
Chloroethane	2.00	2.44	122	70-130	
Chloroform	2.00	2.24	112	70-130	
Chloromethane	2.00	2.29	114	60-140	
cis-1,2-Dichloroethene	2.00	1.94	97	70-130	
cis-1,3-Dichloropropene	2.00	2.06	103	70-130	
Cyclohexane	2.00	2.19	110	70-130	
Dibromochloromethane	2.00	1.87	93	70-130	
Dichlorodifluoromethane	2.00	2.50	125	60-140	
Ethanol	10.0	13.5	135	60-140	
Ethylbenzene	2.00	1.91	96	70-130	
Hexachlorobutadiene	2.00	1.51	76	60-140	
Hexane	2.00	2.09	105	70-130	
Methyl tert-butyl ether	2.00	2.23	112	60-140	
Methylene Chloride	2.00	2.25	112	70-130	
m-Xylene & p-Xylene	4.00	4.02	100	70-130	

Column to be used to flag recovery and RPD values

FORM III TO 15 LL

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Matrix: Air Level: Low Lab File ID: RCCVD10-LCS.d

Lab ID: LCS 140-48621/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Naphthalene	2.00	2.11	106	60-140	
o-Xylene	2.00	1.97	98	70-130	
Styrene	2.00	2.07	104	70-130	
t-Butyl alcohol	2.00	2.40	120	60-140	
Tetrachloroethene	2.00	1.74	87	70-130	
Toluene	2.00	1.94	97	70-130	
trans-1,2-Dichloroethene	2.00	2.15	107	70-130	
trans-1,3-Dichloropropene	2.00	2.05	103	70-130	
Trichloroethene	2.00	1.67	84	70-130	
Trichlorofluoromethane	2.00	2.31	116	60-140	
Vinyl chloride	2.00	2.48	124	70-130	

Column to be used to flag recovery and RPD values

FORM III TO 15 LL

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Matrix: Air Level: Low Lab File ID: SCCVD12-LCS.d

Lab ID: LCS 140-48707/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Ethanol	10.0	6.42	64	60-140	
Methylene Chloride	2.00	1.74	87	70-130	

Column to be used to flag recovery and RPD values

FORM III TO 15 LL

FORM III
AIR - GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Matrix: Air Level: Low Lab File ID: RCCVD13A-LCS.d

Lab ID: LCS 140-48724/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Ethanol	10.0	9.25	93	60-140	

Column to be used to flag recovery and RPD values

FORM III TO 15 LL

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab File ID: R500BD10.D Lab Sample ID: MB 140-48621/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: MR Date Analyzed: 04/10/2021 10:33

GC Column: RTX-5 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 140-48621/1002	RCCVD10-LCS.d	04/10/2021 07:56
H1_SS_ECH_2021	140-22606-1	RD10P113.D	04/11/2021 00:06
DUPE_SS_ECH_2021	140-22606-2	RD10P114.D	04/11/2021 00:55
H1_IA_ECH_2021	140-22606-3	RD10P115.D	04/11/2021 01:43
H1_OA_ECH_2021	140-22606-4	RD10P116.D	04/11/2021 02:36

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab File ID: R500BD13.D Lab Sample ID: MB 140-48724/8

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: MR Date Analyzed: 04/13/2021 16:04

GC Column: RTX-5 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 140-48724/1002	RCCVD13A-LCS.d	04/13/2021 10:55
H1_IA_ECH_2021 DL	140-22606-3 DL	RD13P104.D	04/13/2021 20:20

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab File ID: S500BD12.D Lab Sample ID: MB 140-48707/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: MS Date Analyzed: 04/12/2021 11:18

GC Column: RTX-5 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 140-48707/1002	SCCVD12-LCS.d	04/12/2021 08:30
H1_OA_ECH_2021 DL	140-22606-4 DL	SD12P106.D	04/12/2021 18:03
H1_SS_ECH_2021 DL	140-22606-1 DL	SD12P103DL.D	04/13/2021 07:05
DUPE_SS_ECH_2021 DL	140-22606-2 DL	SD12P104DL.D	04/13/2021 07:52

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab File ID: RB17BFBIC.D BFB Injection Date: 02/17/2021

Instrument ID: MR BFB Injection Time: 10:10

Analysis Batch No.: 47023

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.6	
75	30.0 - 60.0 % of mass 95	48.8	
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	0.4	(0.5) 1
174	Greater than 50% of mass 95	86.0	
175	5.0 - 9.0 % of mass 174	6.1	(7.0) 1
176	95.0 - 101.0 % of mass 174	84.1	(97.7) 1
177	5.0 - 9.0 % of mass 176	5.4	(6.5) 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 140-47023/3	RB17IC10.D	02/17/2021	11:25
	IC 140-47023/5	RB17IC09.D	02/17/2021	13:01
	IC 140-47023/7	RB17IC08.D	02/17/2021	14:36
	IC 140-47023/9	RB17IC01.D	02/17/2021	16:10
	IC 140-47023/10	RB17IC02.D	02/17/2021	16:57
	IC 140-47023/11	RB17IC03.D	02/17/2021	17:46
	IC 140-47023/12	RB17IC04.D	02/17/2021	18:34
	IC 140-47023/13	RB17IC05.D	02/17/2021	19:22
	IC 140-47023/14	RB17IC06.D	02/17/2021	20:11
	ICIS 140-47023/15	RB17IC07.D	02/17/2021	20:59
	ICV 140-47023/17	RB17ICV.D	02/17/2021	22:33

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab File ID: RBFBD10.D BFB Injection Date: 04/10/2021

Instrument ID: MR BFB Injection Time: 07:28

Analysis Batch No.: 48621

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	30.6	
75	30.0 - 60.0 % of mass 95	58.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.4	
173	Less than 2.0 % of mass 174	0.3	(0.4) 1
174	Greater than 50% of mass 95	68.0	
175	5.0 - 9.0 % of mass 174	4.9	(7.1) 1
176	95.0 - 101.0 % of mass 174	65.5	(96.3) 1
177	5.0 - 9.0 % of mass 176	4.3	(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
	CCVIS 140-48621/2	RCCVD10.D	04/10/2021	7:56
	LCS 140-48621/1002	RCCVD10-LCS.d	04/10/2021	7:56
	MB 140-48621/4	R500BD10.D	04/10/2021	10:33
H1_SS_ECH_2021	140-22606-1	RD10P113.D	04/11/2021	0:06
DUPE_SS_ECH_2021	140-22606-2	RD10P114.D	04/11/2021	0:55
H1_IA_ECH_2021	140-22606-3	RD10P115.D	04/11/2021	1:43
H1_OA_ECH_2021	140-22606-4	RD10P116.D	04/11/2021	2:36

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab File ID: RBFBD13A.D BFB Injection Date: 04/13/2021

Instrument ID: MR BFB Injection Time: 10:28

Analysis Batch No.: 48724

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE		
50	15.0 - 40.0 % of mass 95	20.3		
75	30.0 - 60.0 % of mass 95	53.1		
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	0.3	(0.4) 1	
174	Greater than 50% of mass 95	74.7		
175	5.0 - 9.0 % of mass 174	5.1	(6.8) 1	
176	95.0 - 101.0 % of mass 174	70.8	(94.8) 1	*
177	5.0 - 9.0 % of mass 176	4.9	(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 140-48724/2	RCCVD13A.D	04/13/2021	10:55
	LCS 140-48724/1002	RCCVD13A-LCS.	04/13/2021	10:55
	MB 140-48724/8	R500BD13.D	04/13/2021	16:04
H1_IA_ECH_2021 DL	140-22606-3 DL	RD13P104.D	04/13/2021	20:20

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab File ID: SB22BFBic.D BFB Injection Date: 02/22/2021

Instrument ID: MS BFB Injection Time: 11:42

Analysis Batch No.: 47156

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.0	
75	30.0 - 60.0 % of mass 95	44.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.3	(0.4) 1
174	Greater than 50% of mass 95	71.8	
175	5.0 - 9.0 % of mass 174	5.1	(7.1) 1
176	95.0 - 101.0 % of mass 174	69.7	(97.1) 1
177	5.0 - 9.0 % of mass 176	4.4	(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
	IC 140-47156/3	SB22IC10.D	02/22/2021	12:57
	IC 140-47156/5	SB22C09.D	02/22/2021	14:31
	IC 140-47156/7	SB22IC08.D	02/22/2021	16:03
	IC 140-47156/9	SB22IC01.D	02/22/2021	17:35
	IC 140-47156/10	SB22IC02.D	02/22/2021	18:21
	IC 140-47156/11	SB22IC03.D	02/22/2021	19:07
	IC 140-47156/12	SB22IC04.D	02/22/2021	19:53
	IC 140-47156/13	SB22IC05.D	02/22/2021	20:39
	IC 140-47156/14	SB22IC06.D	02/22/2021	21:26
	ICIS 140-47156/15	SB22IC07.D	02/22/2021	22:12
	ICV 140-47156/18	SB22LCS.D	02/23/2021	0:29

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab File ID: SBFBD12.D BFB Injection Date: 04/12/2021

Instrument ID: MS BFB Injection Time: 08:03

Analysis Batch No.: 48707

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.8	
75	30.0 - 60.0 % of mass 95	51.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.5	(0.6) 1
174	Greater than 50% of mass 95	73.4	
175	5.0 - 9.0 % of mass 174	5.2	(7.1) 1
176	95.0 - 101.0 % of mass 174	70.5	(96.0) 1
177	5.0 - 9.0 % of mass 176	4.7	(6.7) 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 140-48707/2	SCCVD12.D	04/12/2021	8:30
	LCS 140-48707/1002	SCCVD12-LCS.d	04/12/2021	8:30
	MB 140-48707/4	S500BD12.D	04/12/2021	11:18
H1_OA_ECH_2021 DL	140-22606-4 DL	SD12P106.D	04/12/2021	18:03
H1_SS_ECH_2021 DL	140-22606-1 DL	SD12P103DL.D	04/13/2021	7:05
DUPE_SS_ECH_2021 DL	140-22606-2 DL	SD12P104DL.D	04/13/2021	7:52

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Sample No.: ICIS 140-47023/15 Date Analyzed: 02/17/2021 20:59

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm)

Lab File ID (Standard): RB17IC07.D Heated Purge: (Y/N) N

Calibration ID: 2900

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		317348	8.23	1599046	10.44	1369524	15.27
UPPER LIMIT		444287	8.56	2238664	10.77	1917334	15.60
LOWER LIMIT		190409	7.90	959428	10.11	821714	14.94
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 140-47023/17		304062	8.23	1563395	10.44	1321463	15.27

CBM = Chlorobromomethane (IS)
DFBZ = 1,4-Difluorobenzene
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO 15 LL

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Sample No.: CCVIS 140-48621/2 Date Analyzed: 04/10/2021 07:56

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm)

Lab File ID (Standard): RCCVD10.D Heated Purge: (Y/N) N

Calibration ID: 2900

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		322235	8.19	1706610	10.39	1416197	15.24
UPPER LIMIT		451129	8.52	2389254	10.72	1982676	15.57
LOWER LIMIT		193341	7.86	1023966	10.06	849718	14.91
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 140-48621/1002		322235	8.19	1706610	10.39	1416197	15.24
MB 140-48621/4		323843	8.18	1744064	10.39	1357205	15.24
140-22606-1	H1_SS_ECH_2021	307274	8.19	1559875	10.39	1278680	15.24
140-22606-2	DUPE_SS_ECH_2021	309675	8.19	1555877	10.40	1274265	15.24
140-22606-3	H1_IA_ECH_2021	321243	8.19	1656505	10.39	1300605	15.24
140-22606-4	H1_OA_ECH_2021	308079	8.18	1625533	10.39	1281111	15.24

CBM = Chlorobromomethane (IS)
DFBZ = 1,4-Difluorobenzene
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO 15 LL

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Sample No.: CCVIS 140-48724/2 Date Analyzed: 04/13/2021 10:55

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm)

Lab File ID (Standard): RCCVD13A.D Heated Purge: (Y/N) N

Calibration ID: 2900

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		411863	8.18	2159410	10.39	1828922	15.23
UPPER LIMIT		576608	8.51	3023174	10.72	2560491	15.56
LOWER LIMIT		247118	7.85	1295646	10.06	1097353	14.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 140-48724/1002		411863	8.18	2159410	10.39	1828922	15.23
MB 140-48724/8		422790	8.18	2366220	10.39	1862748	15.24
140-22606-3 DL	H1_IA_ECH_2021 DL	412110	8.18	2217824	10.38	1715476	15.23

CBM = Chlorobromomethane (IS)
DFBZ = 1,4-Difluorobenzene
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO 15 LL

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Sample No.: ICIS 140-47156/15 Date Analyzed: 02/22/2021 22:12

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm)

Lab File ID (Standard): SB22IC07.D Heated Purge: (Y/N) N

Calibration ID: 2910

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		198883	9.24	991921	11.43	855224	16.10
UPPER LIMIT		278436	9.57	1388689	11.76	1197314	16.43
LOWER LIMIT		119330	8.91	595153	11.10	513134	15.77
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 140-47156/18		199310	9.24	991782	11.42	858330	16.09

CBM = Chlorobromomethane (IS)
DFBZ = 1,4-Difluorobenzene
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO 15 LL

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Sample No.: CCVIS 140-48707/2 Date Analyzed: 04/12/2021 08:30

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm)

Lab File ID (Standard): SCCVD12.D Heated Purge: (Y/N) N

Calibration ID: 2910

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		163449	9.24	767146	11.42	644056	16.09
UPPER LIMIT		228829	9.57	1074004	11.75	901678	16.42
LOWER LIMIT		98069	8.91	460288	11.09	386434	15.76
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 140-48707/1002		163449	9.24	767146	11.42	644056	16.09
MB 140-48707/4		179474	9.24	834485	11.42	690855	16.09
140-22606-4 DL	H1_OA_ECH_2021 DL	137207	9.24	615539	11.42	504857	16.09
140-22606-1 DL	H1_SS_ECH_2021 DL	156322	9.24	721669	11.42	595576	16.08
140-22606-2 DL	DUPE_SS_ECH_2021 DL	153554	9.24	721943	11.42	595776	16.09

CBM = Chlorobromomethane (IS)
DFBZ = 1,4-Difluorobenzene
CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 60%-140% of internal standard area
RT Limit = ± 0.33 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII TO 15 LL

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_SS_ECH_2021 Lab Sample ID: 140-22606-1

Matrix: Air Lab File ID: RD10P113.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:17

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2021 00:06

Soil Aliquot Vol: Dilution Factor: 1.32

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.26	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.26	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.26	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.26	
75-34-3	1,1-Dichloroethane	98.96	ND		0.26	
75-35-4	1,1-Dichloroethene	96.94	ND		0.13	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.26	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.26	
106-93-4	1,2-Dibromoethane	187.87	ND		0.26	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.26	
107-06-2	1,2-Dichloroethane	98.96	ND		0.26	
78-87-5	1,2-Dichloropropane	112.99	ND		0.26	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.26	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.26	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.26	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.26	
123-91-1	1,4-Dioxane	88.11	ND		0.66	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.66	
78-93-3	2-Butanone	72.11	2.7		1.1	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.66	
71-43-2	Benzene	78.11	3.0		0.26	
100-44-7	Benzyl chloride	126.58	ND		0.53	
75-27-4	Bromodichloromethane	163.83	ND		0.26	
75-25-2	Bromoform	252.75	ND		0.26	
74-83-9	Bromomethane	94.94	ND		0.26	
56-23-5	Carbon tetrachloride	153.81	ND		0.11	
108-90-7	Chlorobenzene	112.56	ND		0.26	
75-00-3	Chloroethane	64.52	ND		0.26	
67-66-3	Chloroform	119.38	ND		0.26	
74-87-3	Chloromethane	50.49	1.1		0.66	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.13	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.26	
110-82-7	Cyclohexane	84.16	4.5		0.66	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_SS_ECH_2021 Lab Sample ID: 140-22606-1

Matrix: Air Lab File ID: RD10P113.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:17

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2021 00:06

Soil Aliquot Vol: Dilution Factor: 1.32

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		0.26	
75-71-8	Dichlorodifluoromethane	120.91	ND		0.26	
64-17-5	*Ethanol*	*46.07*	*1600*	*E*	*6.6*	
100-41-4	Ethylbenzene	106.17	0.44		0.26	
87-68-3	Hexachlorobutadiene	260.76	ND		0.26	
110-54-3	Hexane	86.17	1.2		0.66	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.53	
75-09-2	Methylene Chloride	84.93	28		1.3	
179601-23-1	m-Xylene & p-Xylene	106.17	1.3		0.26	
91-20-3	Naphthalene	128.17	ND		0.66	
95-47-6	o-Xylene	106.17	0.50		0.26	
100-42-5	Styrene	104.15	ND		0.26	
75-65-0	t-Butyl alcohol	74.12	1.7		1.1	
127-18-4	Tetrachloroethene	165.83	0.90		0.26	
108-88-3	Toluene	92.14	3.4		0.40	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.26	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.26	
79-01-6	Trichloroethene	131.39	ND		0.12	
75-69-4	Trichlorofluoromethane	137.37	1.3		0.26	
75-01-4	Vinyl chloride	62.50	0.13		0.13	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_SS_ECH_2021 Lab Sample ID: 140-22606-1

Matrix: Air Lab File ID: RD10P113.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:17

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2021 00:06

Soil Aliquot Vol: Dilution Factor: 1.32

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.4	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.8	
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.4	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		2.0	
75-34-3	1,1-Dichloroethane	98.96	ND		1.1	
75-35-4	1,1-Dichloroethene	96.94	ND		0.52	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		2.0	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		1.3	
106-93-4	1,2-Dibromoethane	187.87	ND		2.0	
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.6	
107-06-2	1,2-Dichloroethane	98.96	ND		1.1	
78-87-5	1,2-Dichloropropane	112.99	ND		1.2	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.8	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		1.3	
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.6	
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.6	
123-91-1	1,4-Dioxane	88.11	ND		2.4	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		3.1	
78-93-3	2-Butanone	72.11	8.0		3.1	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		2.7	
71-43-2	Benzene	78.11	9.5		0.84	
100-44-7	Benzyl chloride	126.58	ND		2.7	
75-27-4	Bromodichloromethane	163.83	ND		1.8	
75-25-2	Bromoform	252.75	ND		2.7	
74-83-9	Bromomethane	94.94	ND		1.0	
56-23-5	Carbon tetrachloride	153.81	ND		0.66	
108-90-7	Chlorobenzene	112.56	ND		1.2	
75-00-3	Chloroethane	64.52	ND		0.70	
67-66-3	Chloroform	119.38	ND		1.3	
74-87-3	Chloromethane	50.49	2.2		1.4	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.52	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		1.2	
110-82-7	Cyclohexane	84.16	16		2.3	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_SS_ECH_2021 Lab Sample ID: 140-22606-1

Matrix: Air Lab File ID: RD10P113.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:17

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2021 00:06

Soil Aliquot Vol: Dilution Factor: 1.32

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		2.2	
75-71-8	Dichlorodifluoromethane	120.91	ND		1.3	
64-17-5	*Ethanol*	*46.07*	*3000*	*E*	*12*	
100-41-4	Ethylbenzene	106.17	1.9		1.1	
87-68-3	Hexachlorobutadiene	260.76	ND		2.8	
110-54-3	Hexane	86.17	4.3		2.3	
1634-04-4	Methyl tert-butyl ether	88.15	ND		1.9	
75-09-2	Methylene Chloride	84.93	98		4.6	
179601-23-1	m-Xylene & p-Xylene	106.17	5.5		1.1	
91-20-3	Naphthalene	128.17	ND		3.5	
95-47-6	o-Xylene	106.17	2.2		1.1	
100-42-5	Styrene	104.15	ND		1.1	
75-65-0	t-Butyl alcohol	74.12	5.1		3.2	
127-18-4	Tetrachloroethene	165.83	6.1		1.8	
108-88-3	Toluene	92.14	13		1.5	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		1.0	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		1.2	
79-01-6	Trichloroethene	131.39	ND		0.64	
75-69-4	Trichlorofluoromethane	137.37	7.2		1.5	
75-01-4	Vinyl chloride	62.50	0.34		0.34	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D
Lims ID: 140-22606-A-1
Client ID: H1_SS_ECH_2021
Sample Type: Client
Inject. Date: 11-Apr-2021 00:06:30 ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 500.000 mL Dil. Factor: 1.3200
Sample Info: 140-0018816-020
Misc. Info.: 140-22606-a-1@1.32
Operator ID: HMT Instrument ID: MR

Method: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Apr-2021 11:16:09 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: tajh Date: 12-Apr-2021 11:12:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.193	8.188	0.005	93	307274	4.80	
* 2 1,4-Difluorobenzene	114	10.394	10.393	0.001	97	1559875	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.236	15.241	-0.005	93	1278680	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.897	16.896	0.001	88	843741	4.52	
8 Dichlorodifluoromethane	85	3.454	3.453	0.001	66	9258	0.0647	
9 Chloromethane	52	3.610	3.615	-0.005	96	12069	0.3227	
12 Vinyl chloride	62	3.766	3.766	0.000	31	4615	0.0406	
15 Bromomethane	94	4.117	4.127	-0.010	24	2264	0.0246	
16 Chloroethane	64	4.257	4.251	0.006	29	1213	0.0266	
17 Ethanol	31	4.386	4.348	0.038	95	16714973	482.1	E
20 Trichlorofluoromethane	101	4.758	4.758	0.000	99	94148	0.3864	
29 2-Methyl-2-propanol	59	5.562	5.529	0.033	97	98896	0.5061	
30 112TCTFE	101	5.584	5.583	0.001	63	4428	0.0211	
31 Methylene Chloride	84	5.751	5.740	0.011	95	728999	8.56	
34 trans-1,2-Dichloroethene	96	6.511	6.505	0.006	31	1366	0.0153	
39 2-Butanone (MEK)	72	7.460	7.454	0.006	97	39104	0.8246	
40 Hexane	56	7.476	7.481	-0.005	77	34984	0.3706	
42 cis-1,2-Dichloroethene	96	7.864	7.864	0.000	57	1787	0.0173	
48 1,2-Dichloroethane	62	9.320	9.315	0.005	96	10359	0.0697	
50 Cyclohexane	69	9.811	9.811	0.000	78	63115	1.38	
51 Benzene	78	9.811	9.811	0.000	96	264786	0.9009	
52 Carbon tetrachloride	117	9.833	9.832	0.001	25	4290	0.0226	
55 Isooctane	57	10.625	10.625	0.000	95	51593	0.0883	
58 Trichloroethene	130	11.121	11.132	-0.011	51	1187	0.009177	
64 4-Methyl-2-pentanone (MIBK)	43	12.362	12.356	0.006	98	39029	0.1421	
67 Toluene	91	13.235	13.240	-0.005	92	360041	1.03	
73 Tetrachloroethene	129	14.400	14.400	0.000	90	33936	0.2734	
74 Chlorobenzene	112	15.284	15.290	-0.006	82	2326	0.008963	
76 Ethylbenzene	91	15.586	15.586	0.000	98	58754	0.1330	
77 m-Xylene & p-Xylene	91	15.748	15.753	-0.005	97	131296	0.3848	
80 Styrene	104	16.212	16.217	-0.005	96	8188	0.0366	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
81 o-Xylene	91	16.277	16.276	0.001	97	52340	0.1528	
88 1,3,5-Trimethylbenzene	120	17.662	17.662	0.000	92	4816	0.0252	
92 1,2,4-Trimethylbenzene	105	18.115	18.115	0.000	98	17684	0.0458	
94 1,3-Dichlorobenzene	146	18.385	18.385	0.000	97	8049	0.0340	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

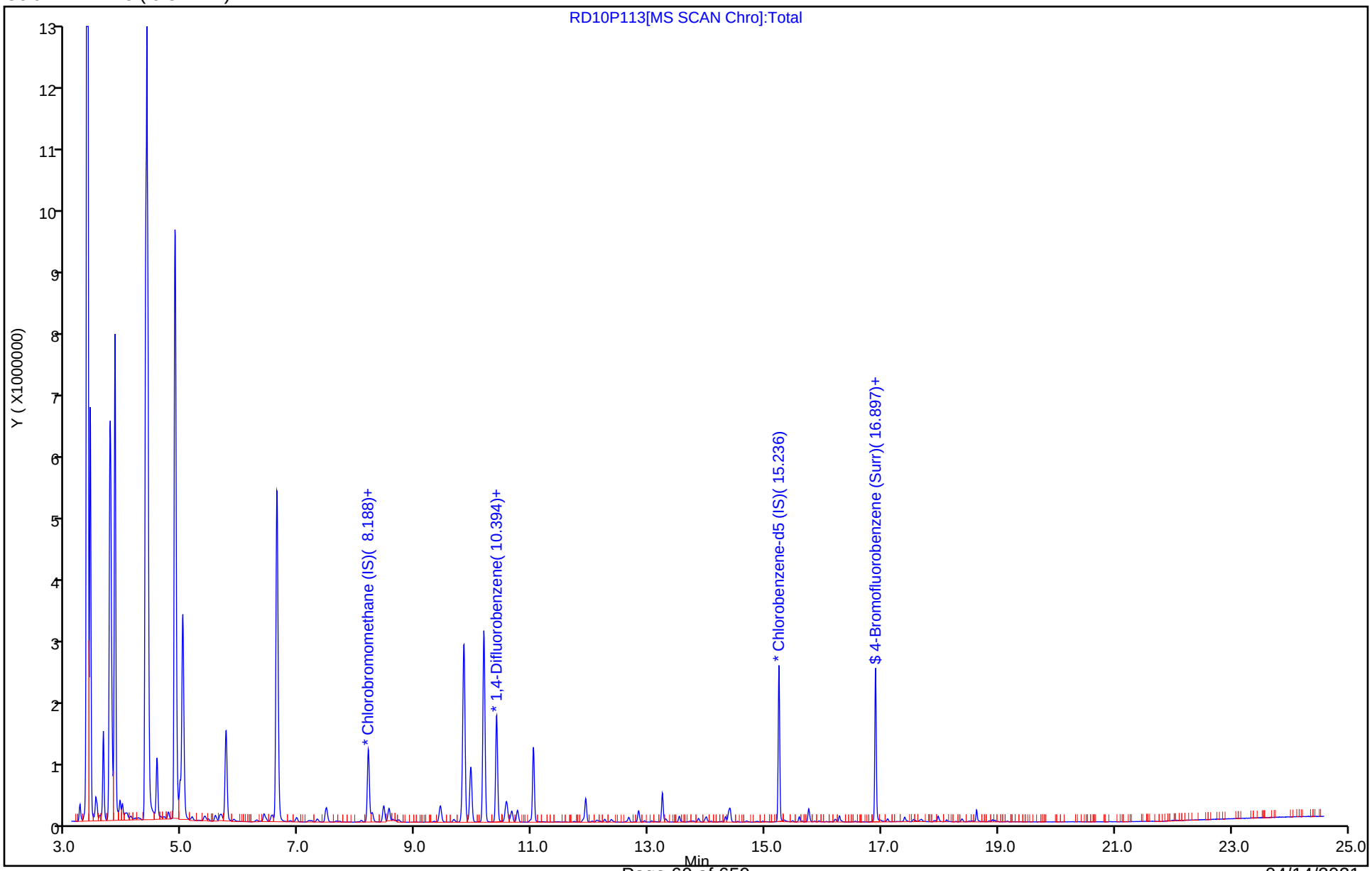
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 12-Apr-2021 11:21:17 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D				
Injection Date:	11-Apr-2021 00:06:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-22606-A-1	Lab Sample ID:	140-22606-1	Worklist Smp#:	20
Client ID:	H1_SS_ECH_2021				
Purge Vol:	500.000 mL	Dil. Factor:	1.3200	ALS Bottle#:	13
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

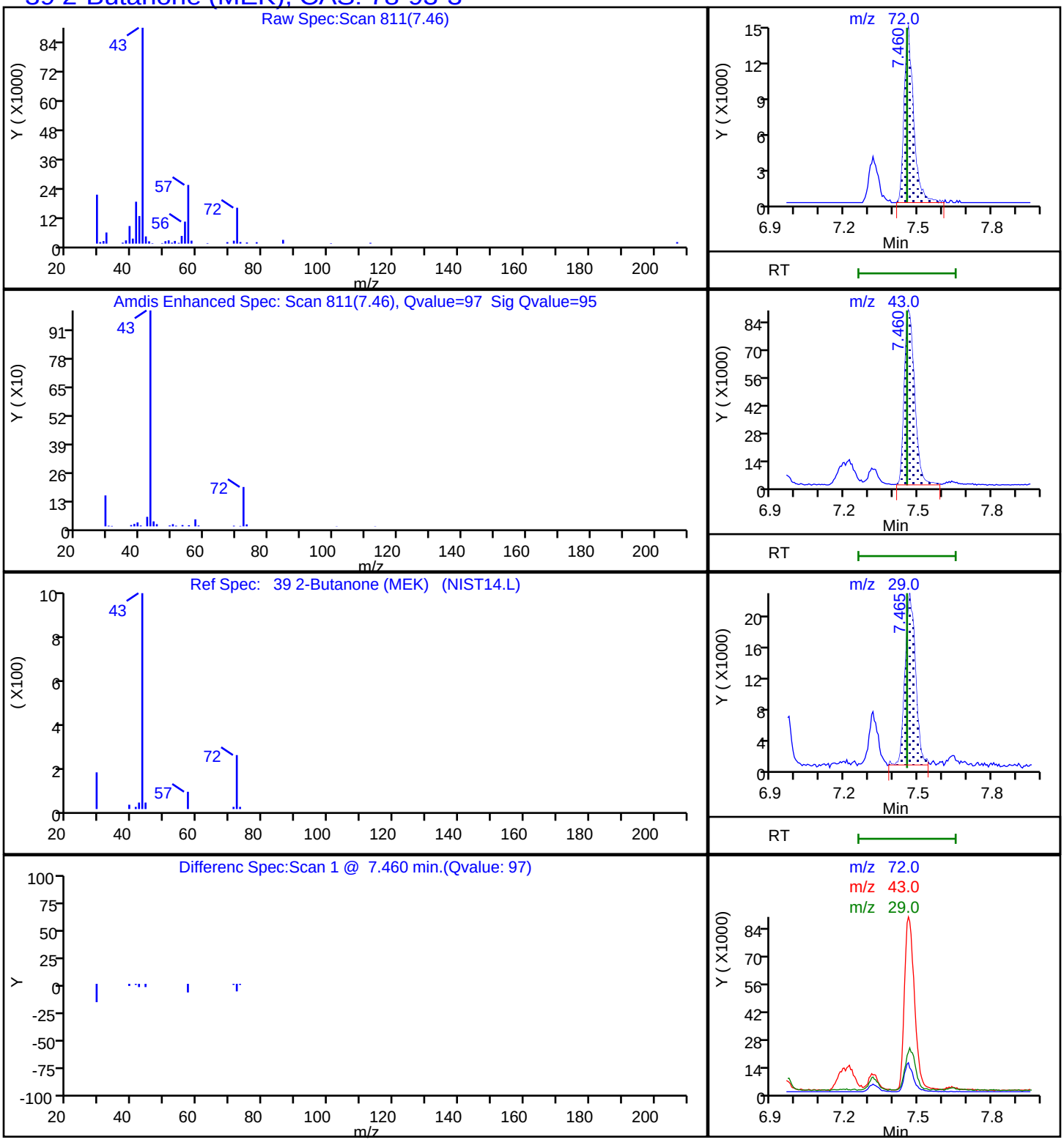
Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D				
Lims ID:	140-22606-A-1				
Client ID:	H1_SS_ECH_2021				
Sample Type:	Client				
Inject. Date:	11-Apr-2021 00:06:30	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.3200		
Sample Info:	140-0018816-020				
Misc. Info.:	140-22606-a-1@1.32				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Apr-2021 11:16:09	Calib Date:	17-Feb-2021 20:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1601				
First Level Reviewer: tajh		Date:	12-Apr-2021 11:12:46		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.52	97.47

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D		
Injection Date:	11-Apr-2021 00:06:30	Instrument ID:	MR
Lims ID:	140-22606-A-1	Lab Sample ID:	140-22606-1
Client ID:	H1_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	13 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3200
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

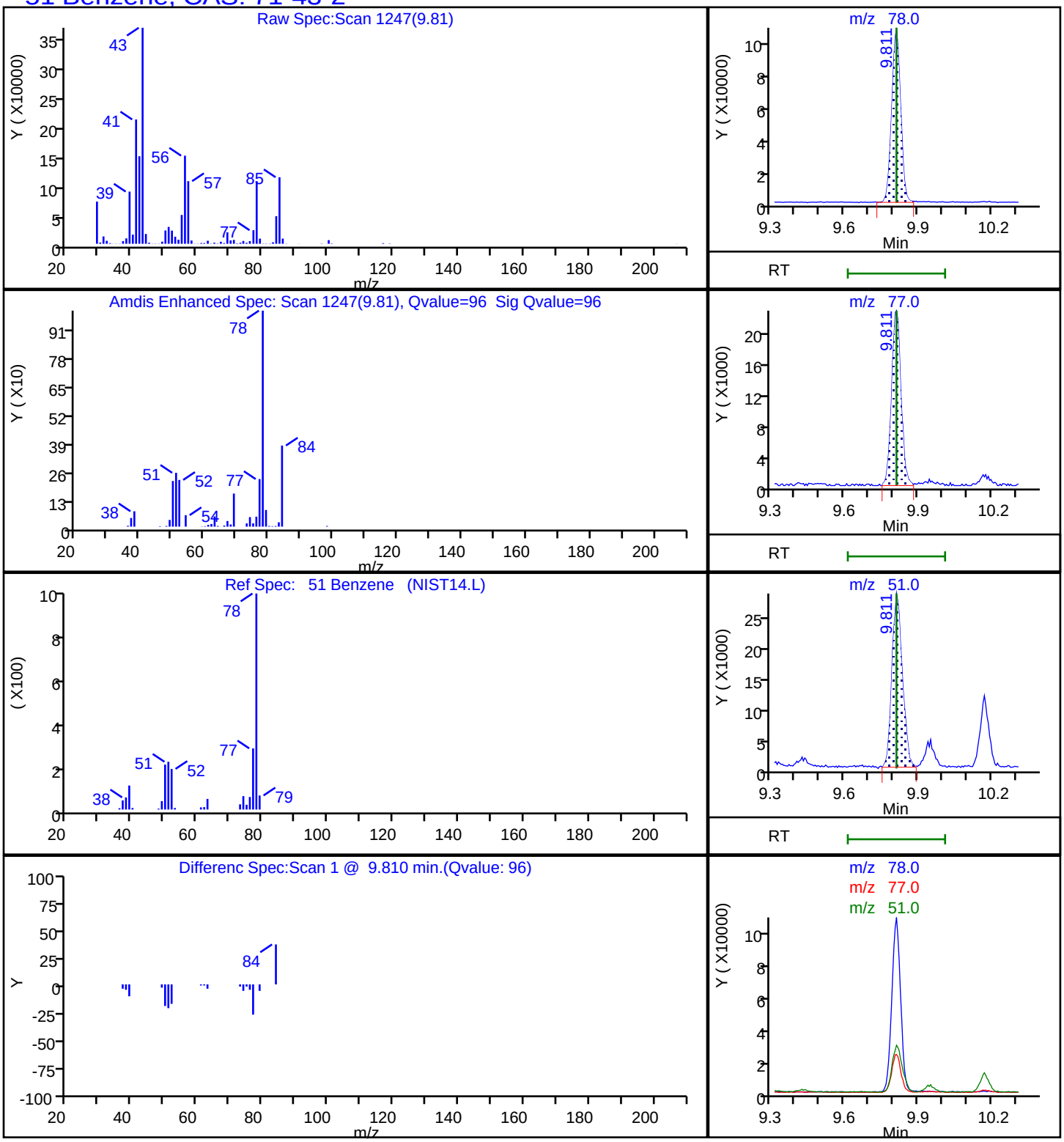
39 2-Butanone (MEK), CAS: 78-93-3



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D		
Injection Date:	11-Apr-2021 00:06:30	Instrument ID:	MR
Lims ID:	140-22606-A-1	Lab Sample ID:	140-22606-1
Client ID:	H1_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	13 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3200
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

51 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D

Injection Date: 11-Apr-2021 00:06:30 Instrument ID: MR

Lims ID: 140-22606-A-1 Lab Sample ID: 140-22606-1

Client ID: H1_SS_ECH_2021

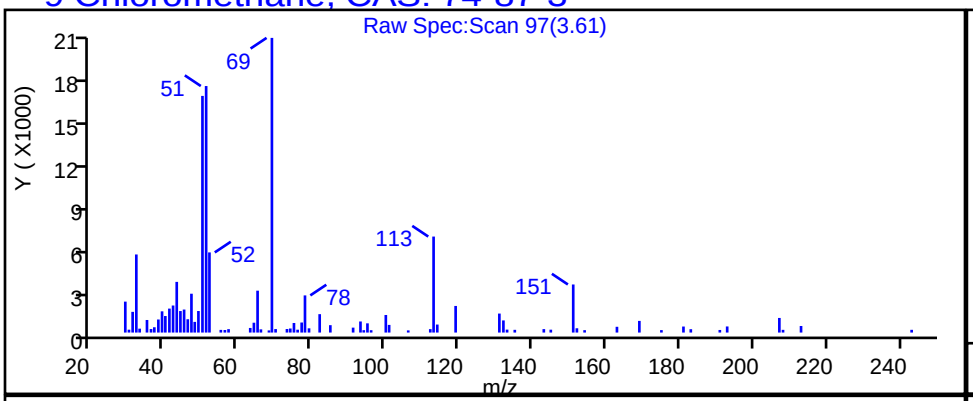
Operator ID: HMT ALS Bottle#: 13 Worklist Smp#: 20

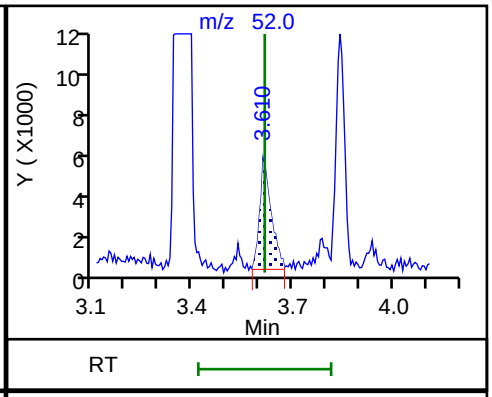
Purge Vol: 500.000 mL Dil. Factor: 1.3200

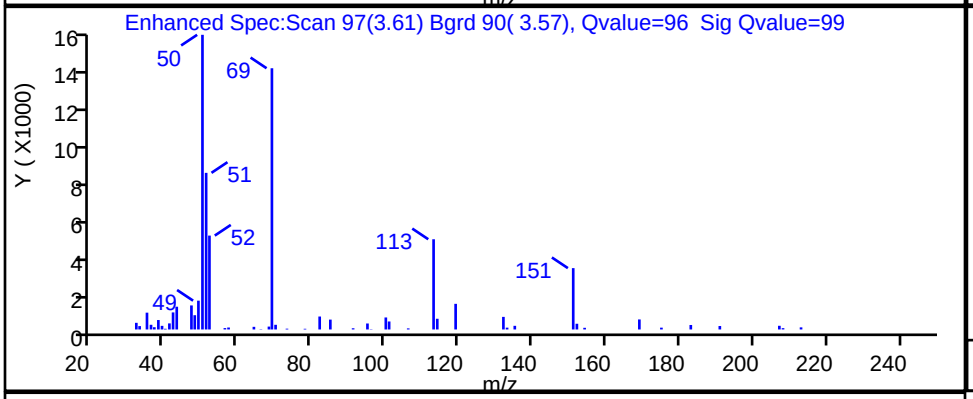
Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL

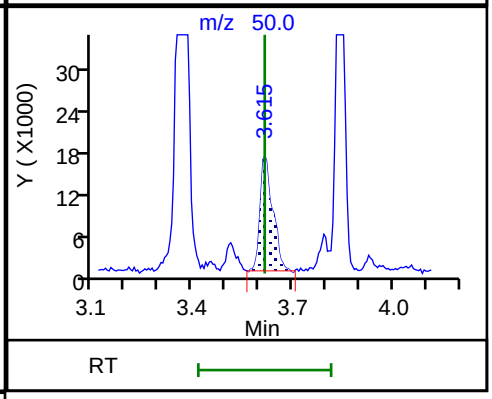
Column: RTX-5 (0.32 mm) Detector MS SCAN

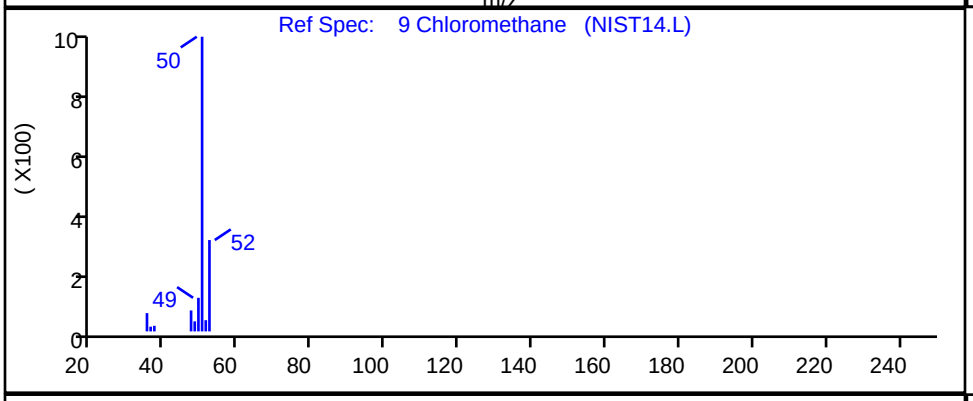
9 Chloromethane, CAS: 74-87-3

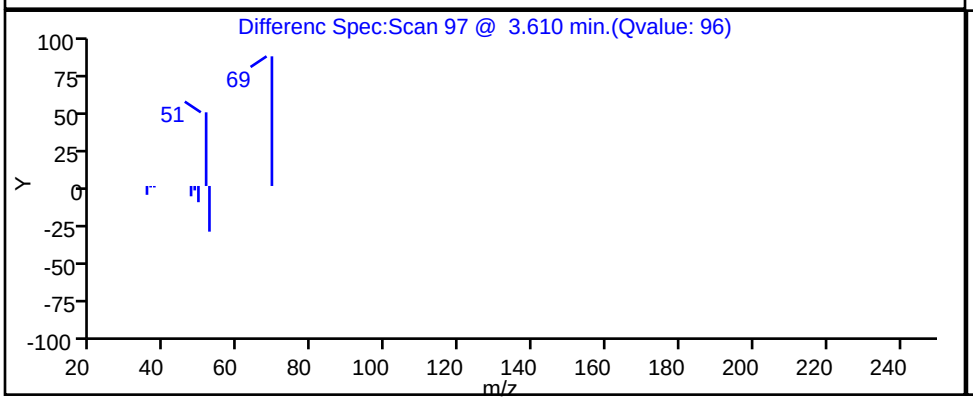


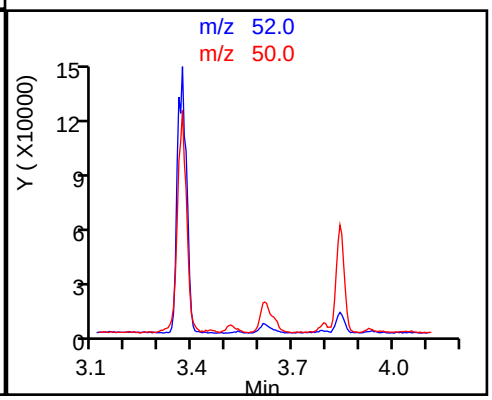










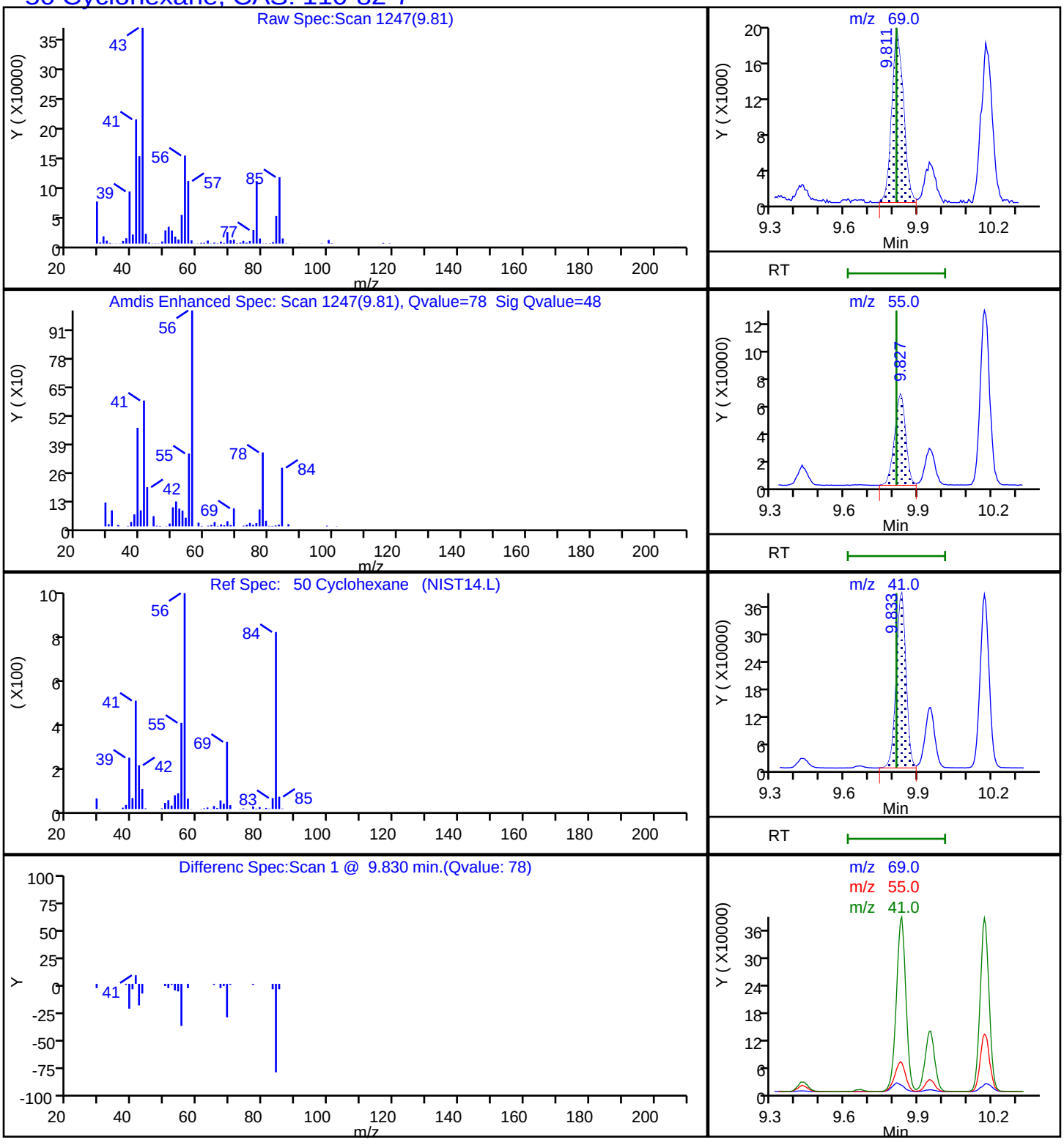


Report Date: 12-Apr-2021 11:21:18 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D		
Injection Date:	11-Apr-2021 00:06:30	Instrument ID:	MR
Lims ID:	140-22606-A-1	Lab Sample ID:	140-22606-1
Client ID:	H1_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	13 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3200
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

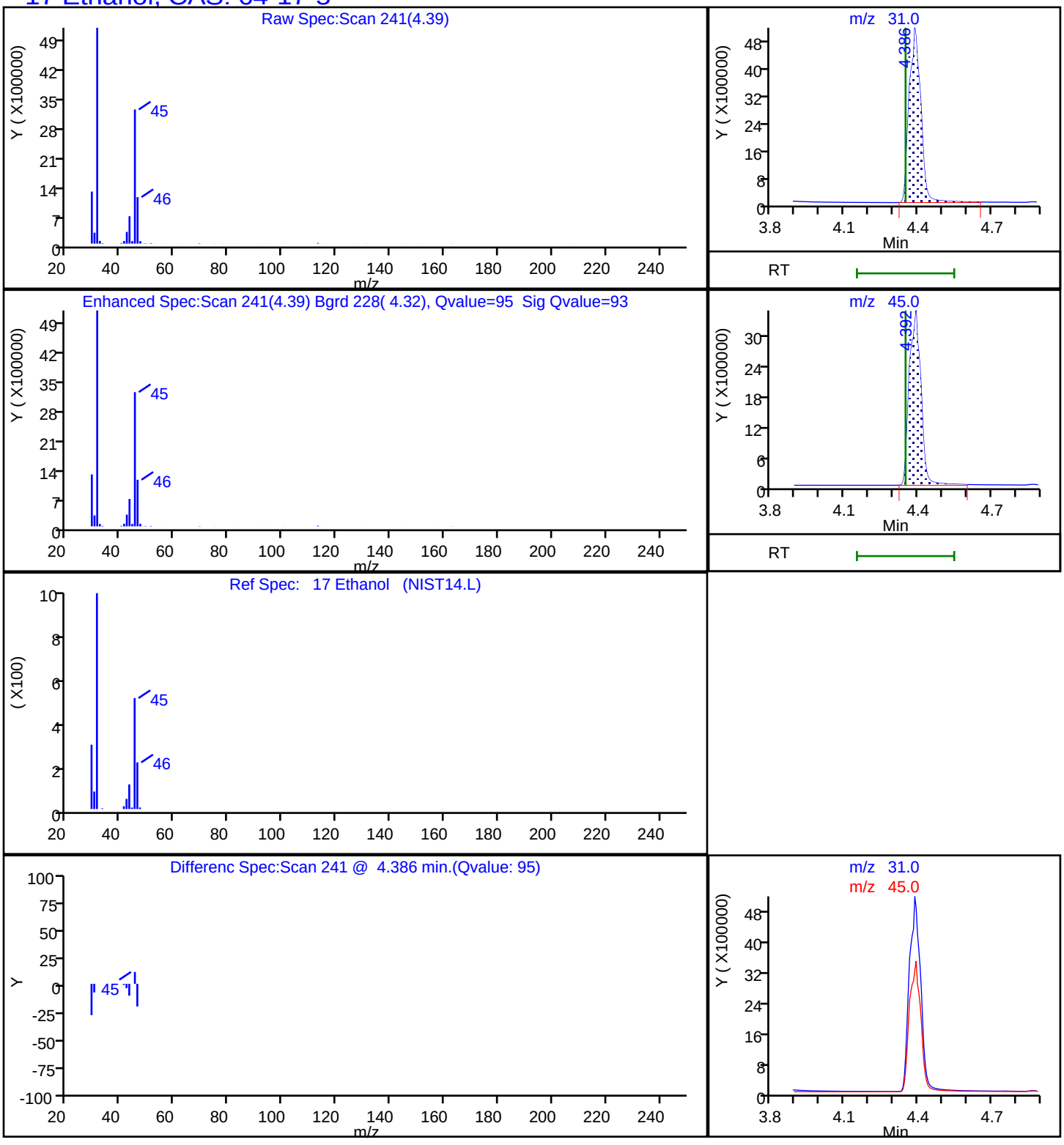
50 Cyclohexane, CAS: 110-82-7



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D
Injection Date: 11-Apr-2021 00:06:30 Instrument ID: MR
Lims ID: 140-22606-A-1 Lab Sample ID: 140-22606-1
Client ID: H1_SS_ECH_2021
Operator ID: HMT ALS Bottle#: 13 Worklist Smp#: 20
Purge Vol: 500.000 mL Dil. Factor: 1.3200
Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Column: RTX-5 (0.32 mm) Detector MS SCAN

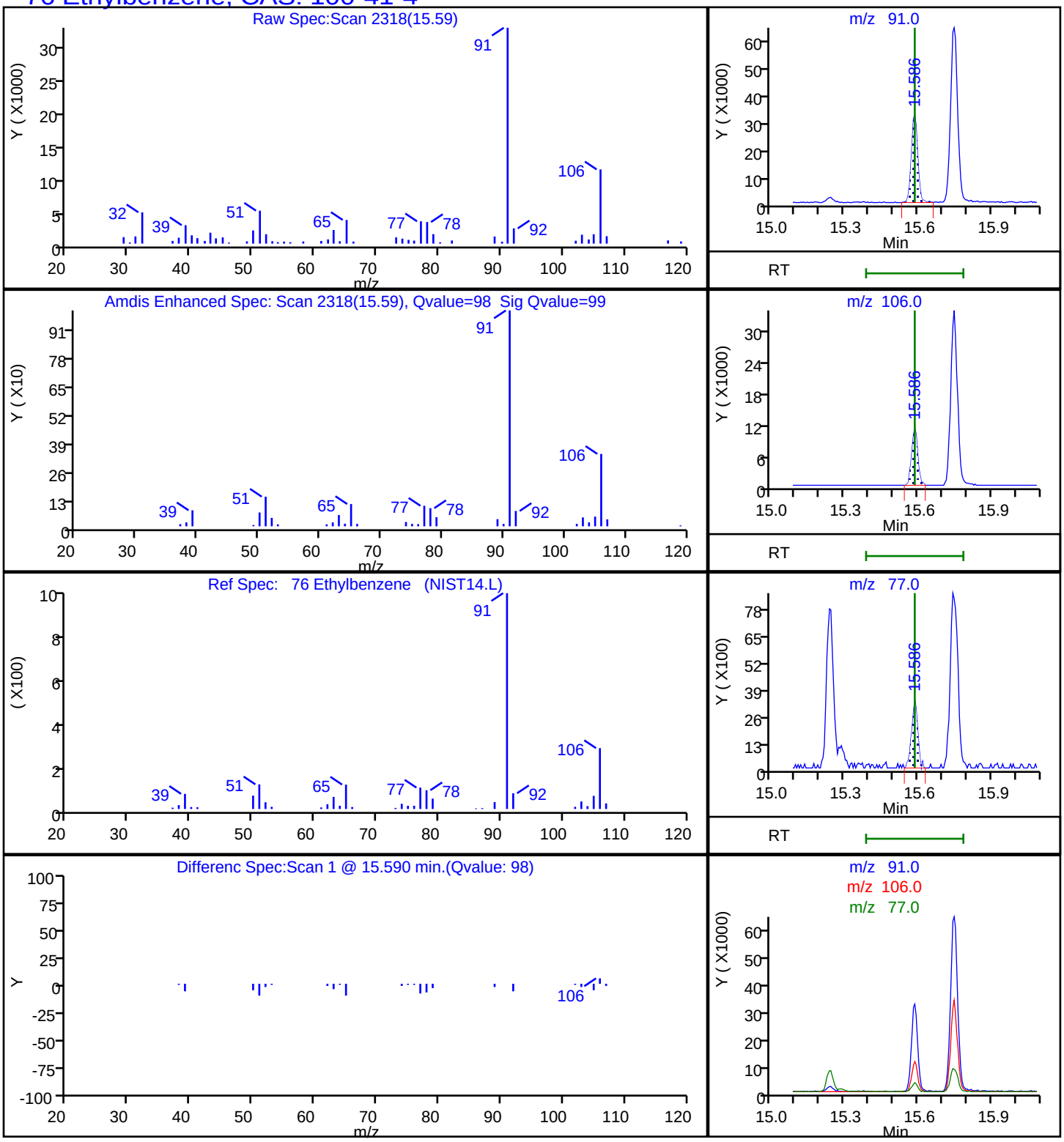
17 Ethanol, CAS: 64-17-5



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D				
Injection Date:	11-Apr-2021 00:06:30	Instrument ID:	MR		
Lims ID:	140-22606-A-1	Lab Sample ID:	140-22606-1		
Client ID:	H1_SS_ECH_2021				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.3200		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

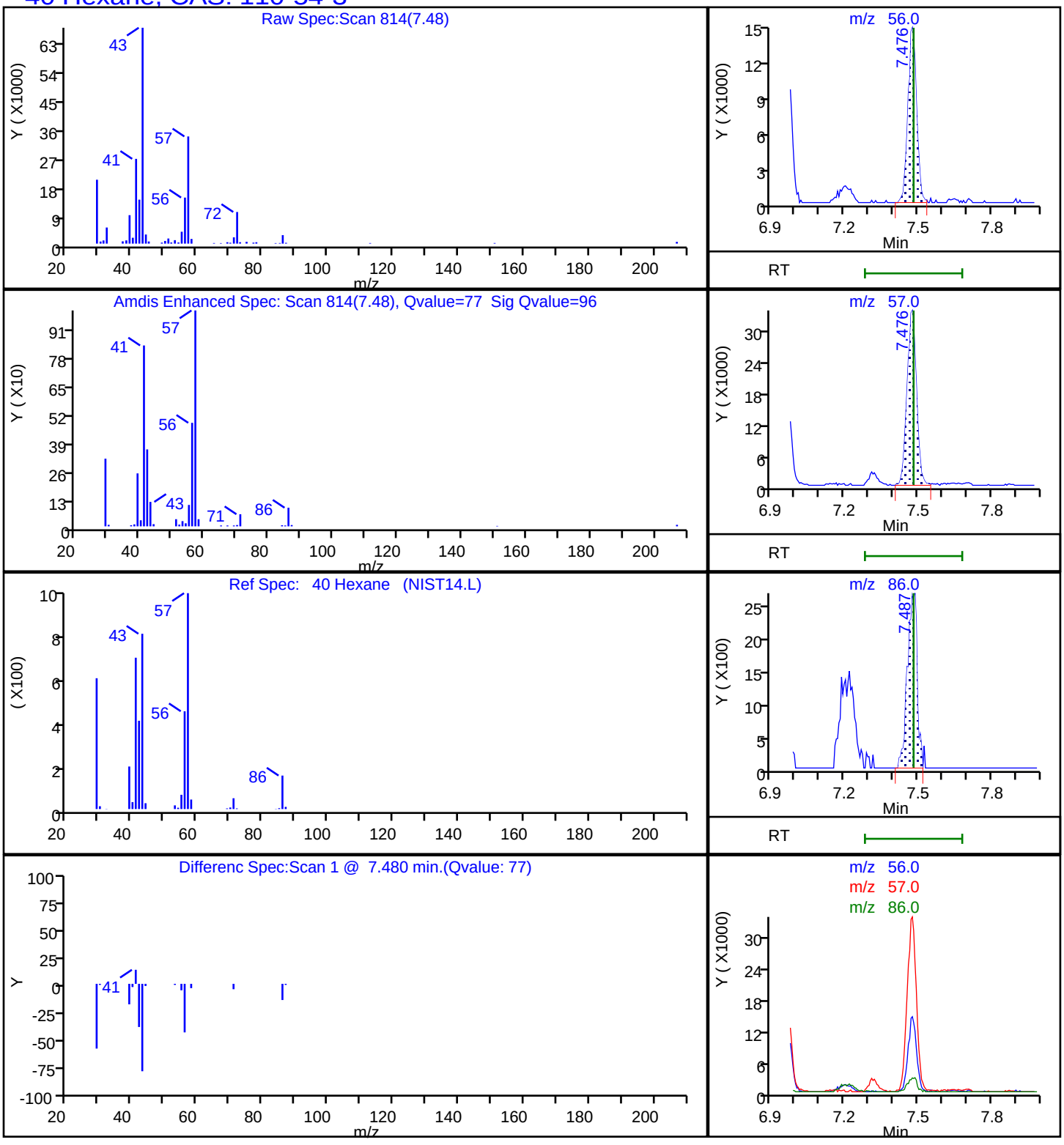
76 Ethylbenzene, CAS: 100-41-4



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D		
Injection Date:	11-Apr-2021 00:06:30	Instrument ID:	MR
Lims ID:	140-22606-A-1	Lab Sample ID:	140-22606-1
Client ID:	H1_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	13 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3200
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

40 Hexane, CAS: 110-54-3



Report Date: 12-Apr-2021 11:21:17 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D

Injection Date: 11-Apr-2021 00:06:30 Instrument ID: MR

Lims ID: 140-22606-A-1 Lab Sample ID: 140-22606-1

Client ID: H1_SS_ECH_2021

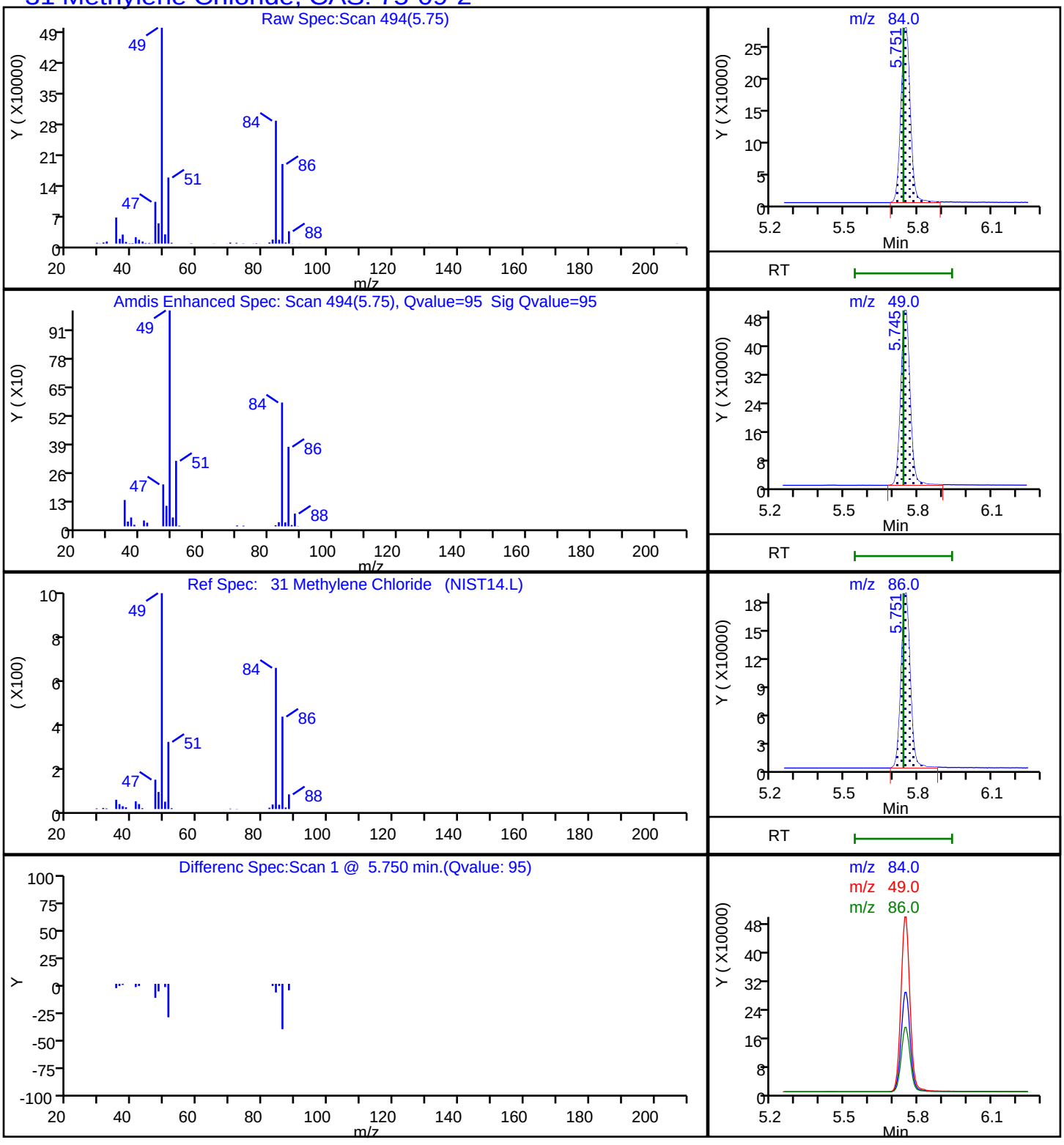
Operator ID: HMT ALS Bottle#: 13 Worklist Smp#: 20

Purge Vol: 500.000 mL Dil. Factor: 1.3200

Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

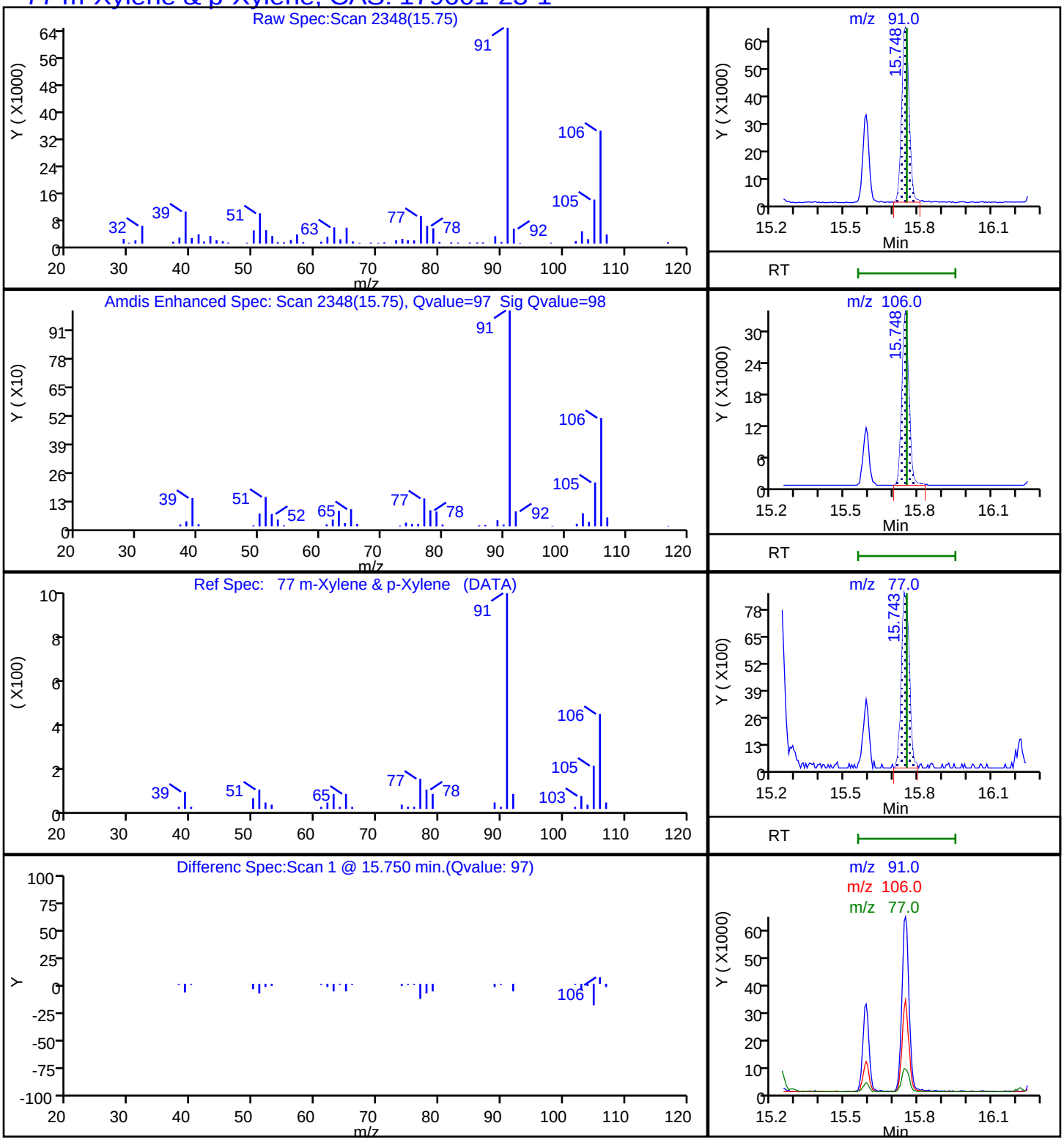
31 Methylene Chloride, CAS: 75-09-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D				
Injection Date:	11-Apr-2021 00:06:30	Instrument ID:	MR		
Lims ID:	140-22606-A-1	Lab Sample ID:	140-22606-1		
Client ID:	H1_SS_ECH_2021				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.3200		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

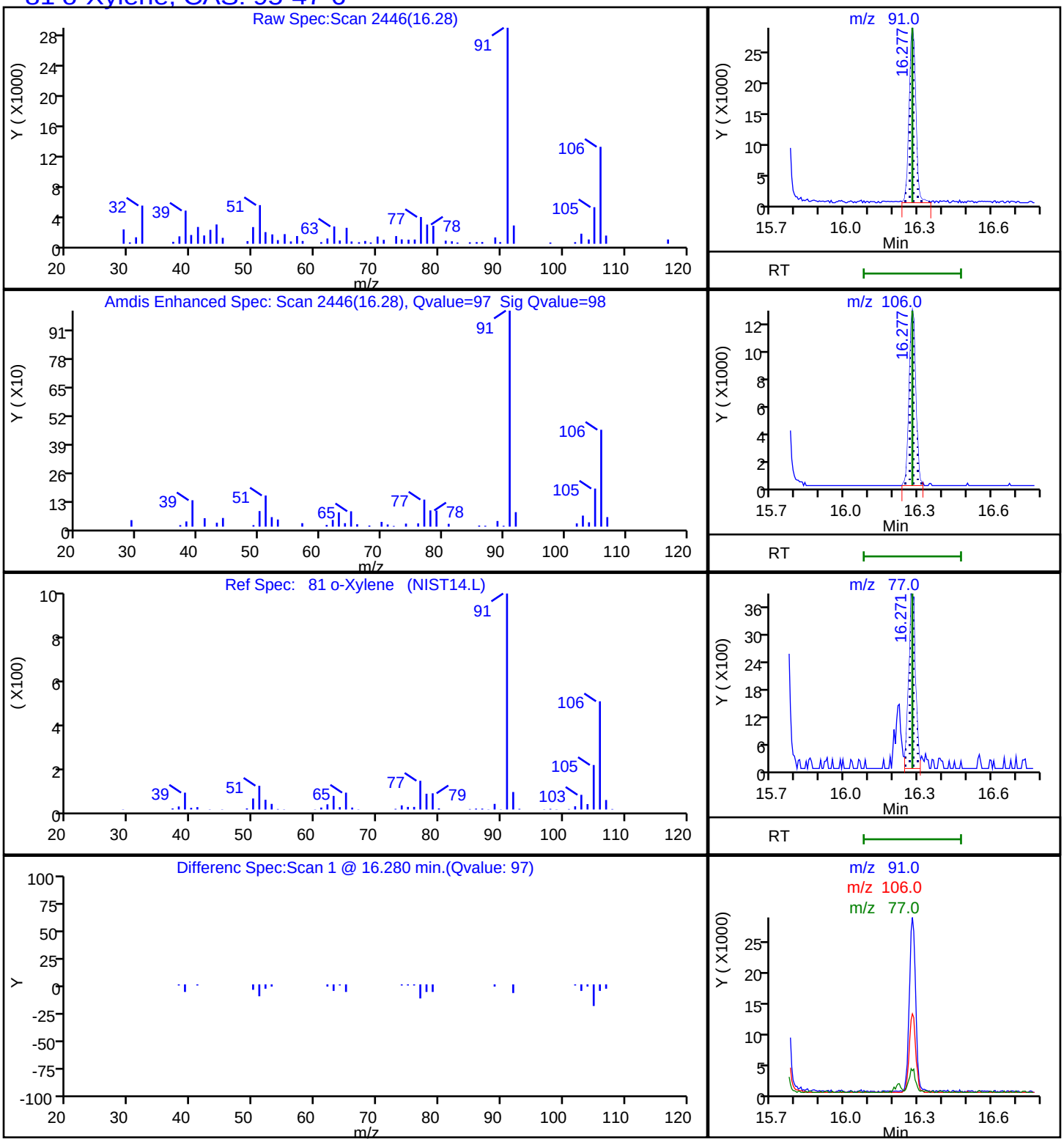
77 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D		
Injection Date:	11-Apr-2021 00:06:30	Instrument ID:	MR
Lims ID:	140-22606-A-1	Lab Sample ID:	140-22606-1
Client ID:	H1_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	13 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3200
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

81 o-Xylene, CAS: 95-47-6



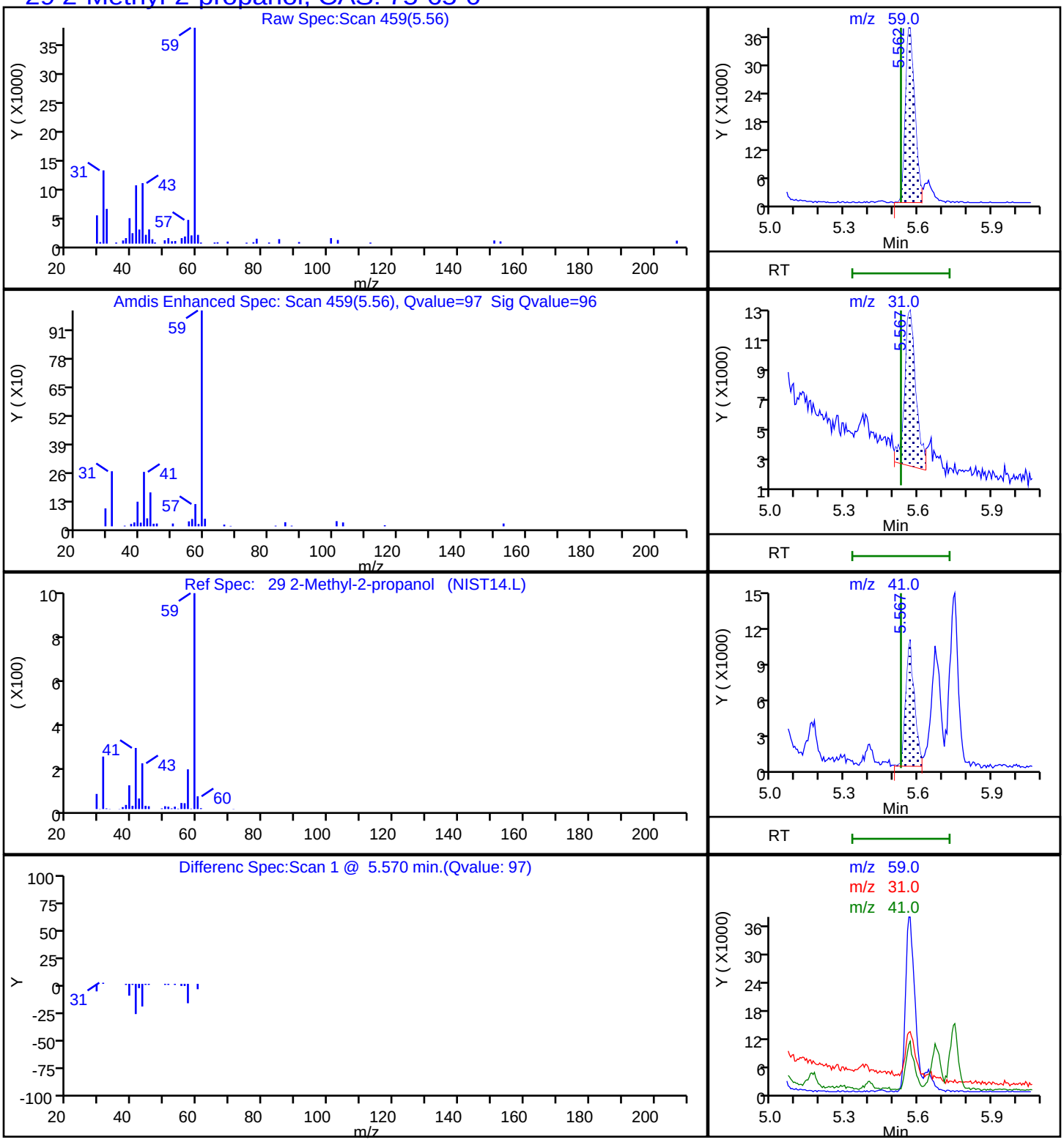
Report Date: 12-Apr-2021 11:21:17 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D

Injection Date:	11-Apr-2021 00:06:30	Instrument ID:	MR		
Lims ID:	140-22606-A-1	Lab Sample ID:	140-22606-1		
Client ID:	H1_SS_ECH_2021				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.3200		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

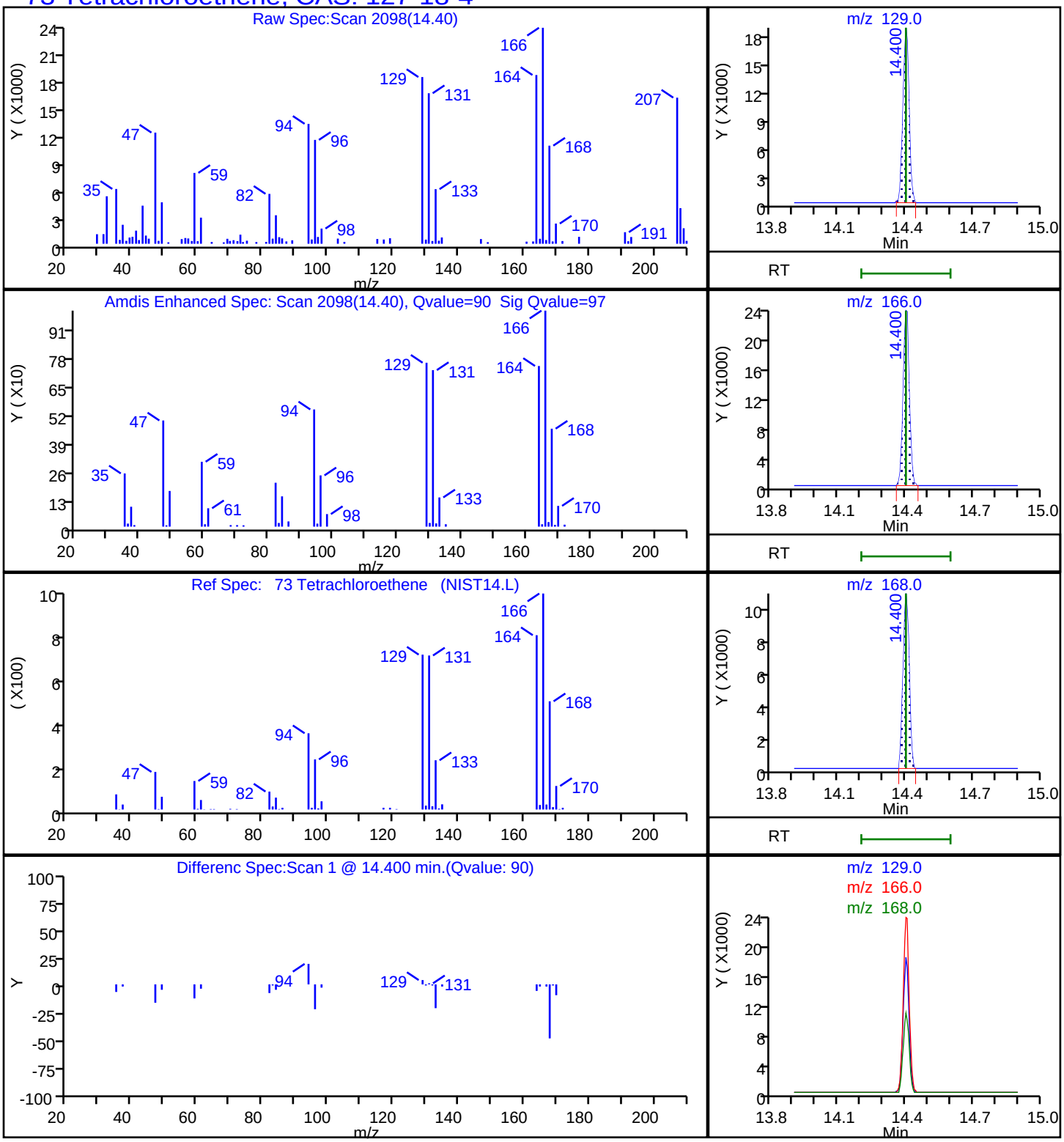
29 2-Methyl-2-propanol, CAS: 75-65-0



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D		
Injection Date:	11-Apr-2021 00:06:30	Instrument ID:	MR
Lims ID:	140-22606-A-1	Lab Sample ID:	140-22606-1
Client ID:	H1_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	13 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3200
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

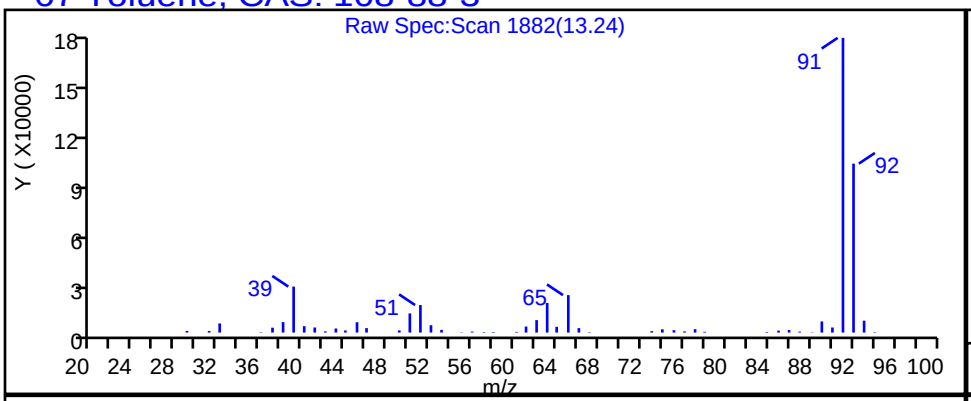
73 Tetrachloroethene, CAS: 127-18-4

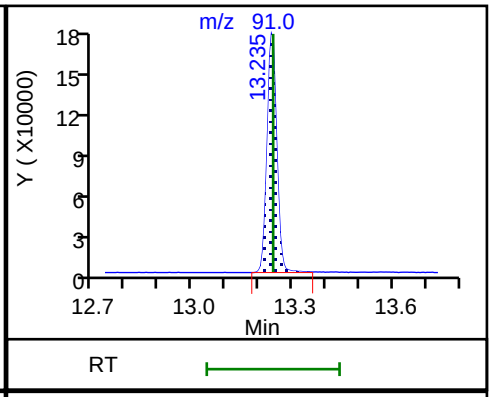


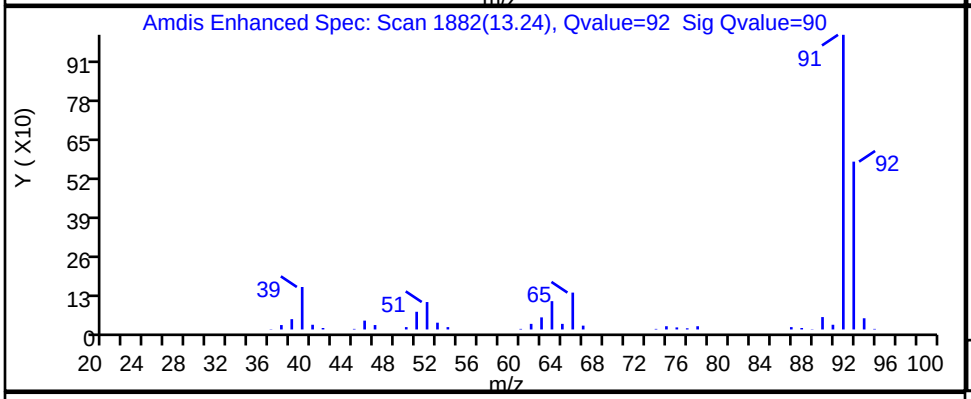
Eurofins TestAmerica, Knoxville

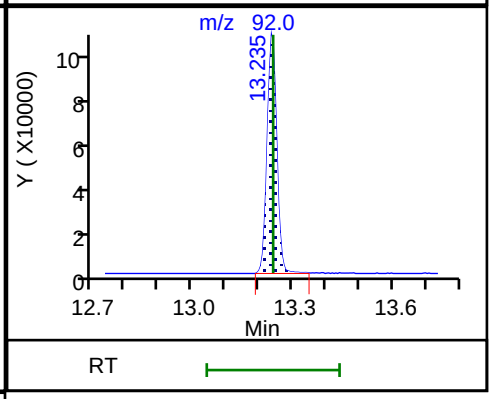
Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D		
Injection Date:	11-Apr-2021 00:06:30	Instrument ID:	MR
Lims ID:	140-22606-A-1	Lab Sample ID:	140-22606-1
Client ID:	H1_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	13 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3200
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

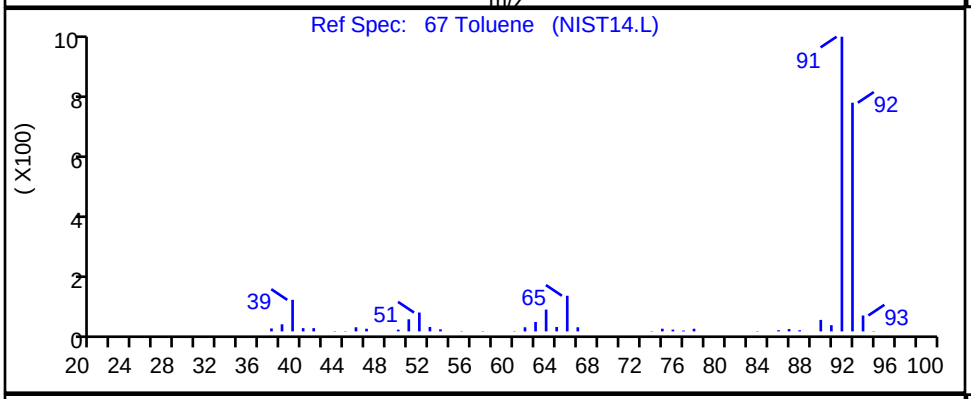
67 Toluene, CAS: 108-88-3

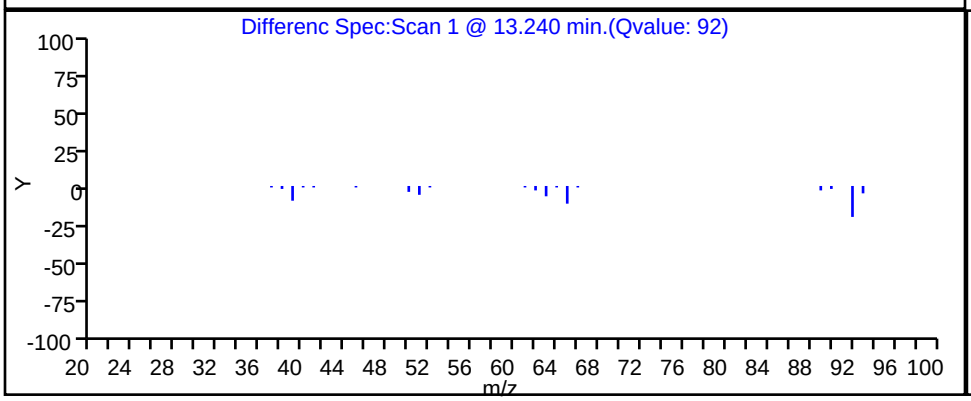


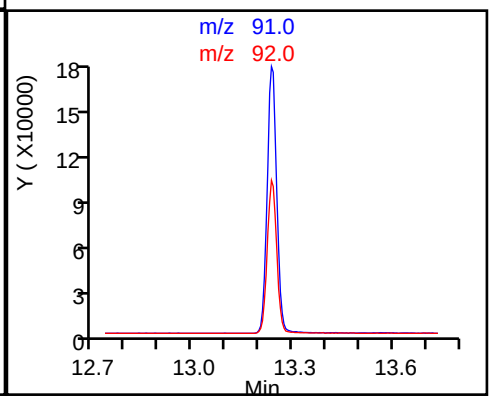












Report Date: 12-Apr-2021 11:21:17 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D

Injection Date: 11-Apr-2021 00:06:30 Instrument ID: MR

Lims ID: 140-22606-A-1 Lab Sample ID: 140-22606-1

Client ID: H1_SS_ECH_2021

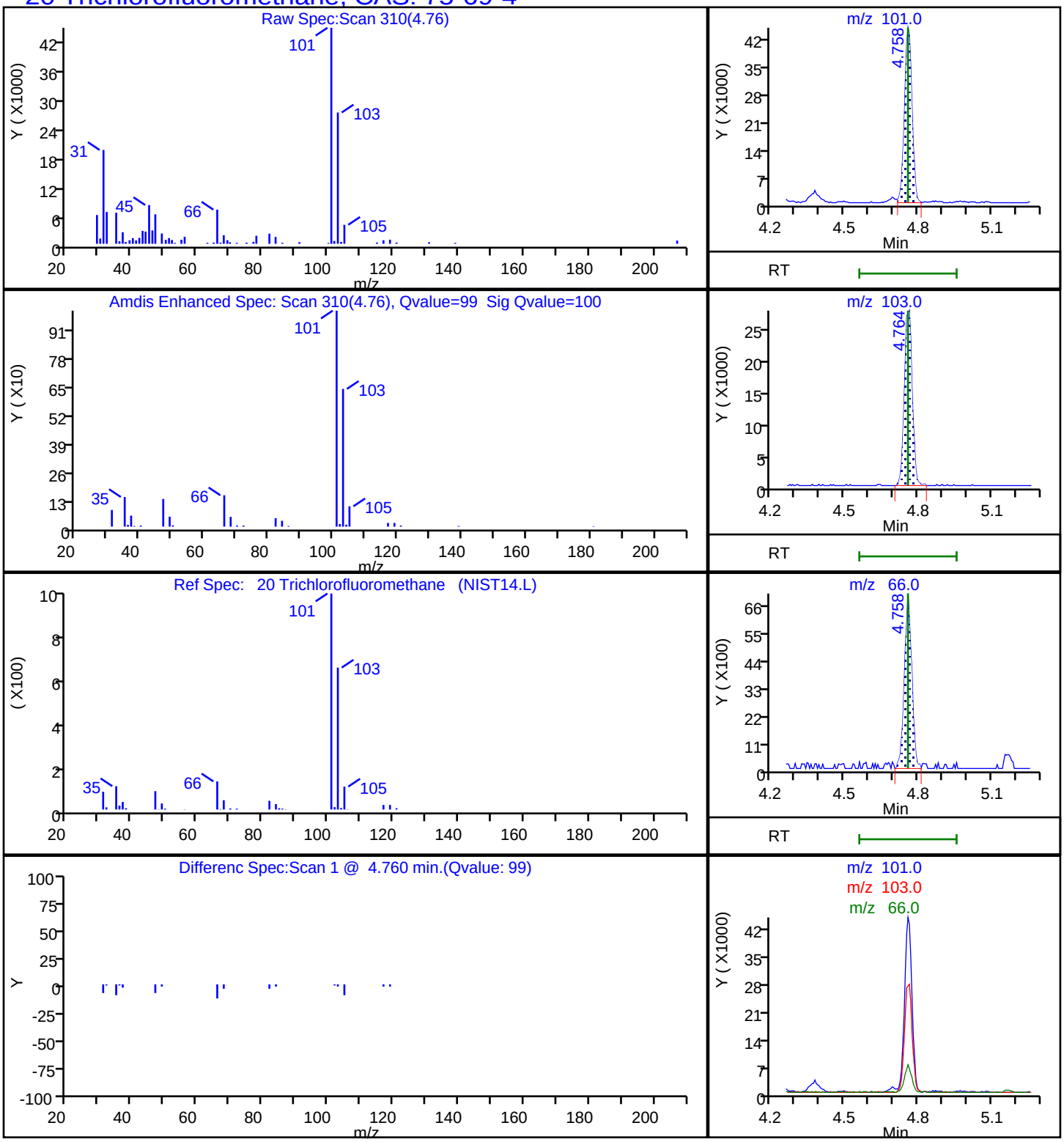
Operator ID: HMT ALS Bottle#: 13 Worklist Smp#: 20

Purge Vol: 500.000 mL Dil. Factor: 1.3200

Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

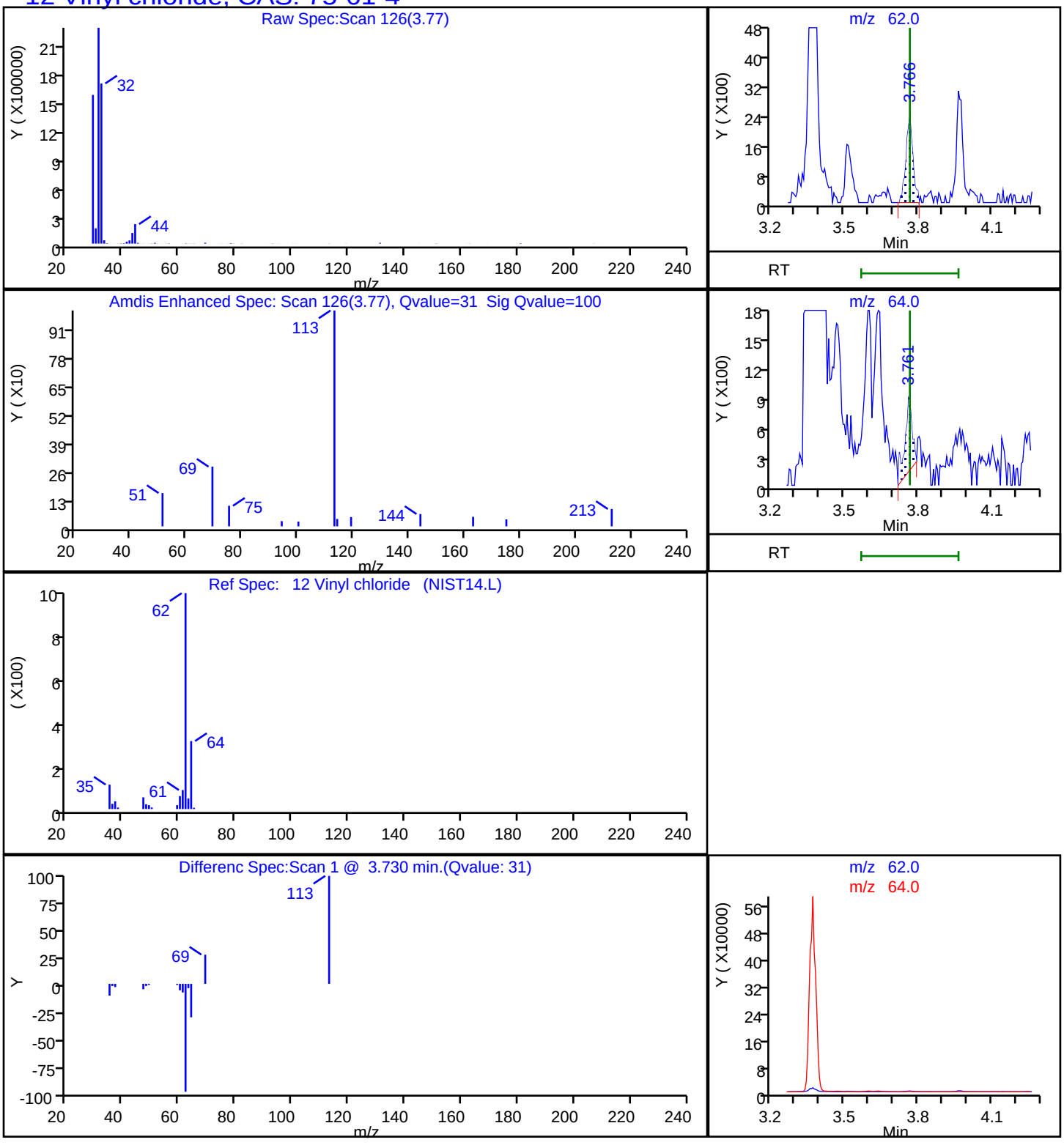
20 Trichlorofluoromethane, CAS: 75-69-4



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D		
Injection Date:	11-Apr-2021 00:06:30	Instrument ID:	MR
Lims ID:	140-22606-A-1	Lab Sample ID:	140-22606-1
Client ID:	H1_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	13 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3200
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

12 Vinyl chloride, CAS: 75-01-4



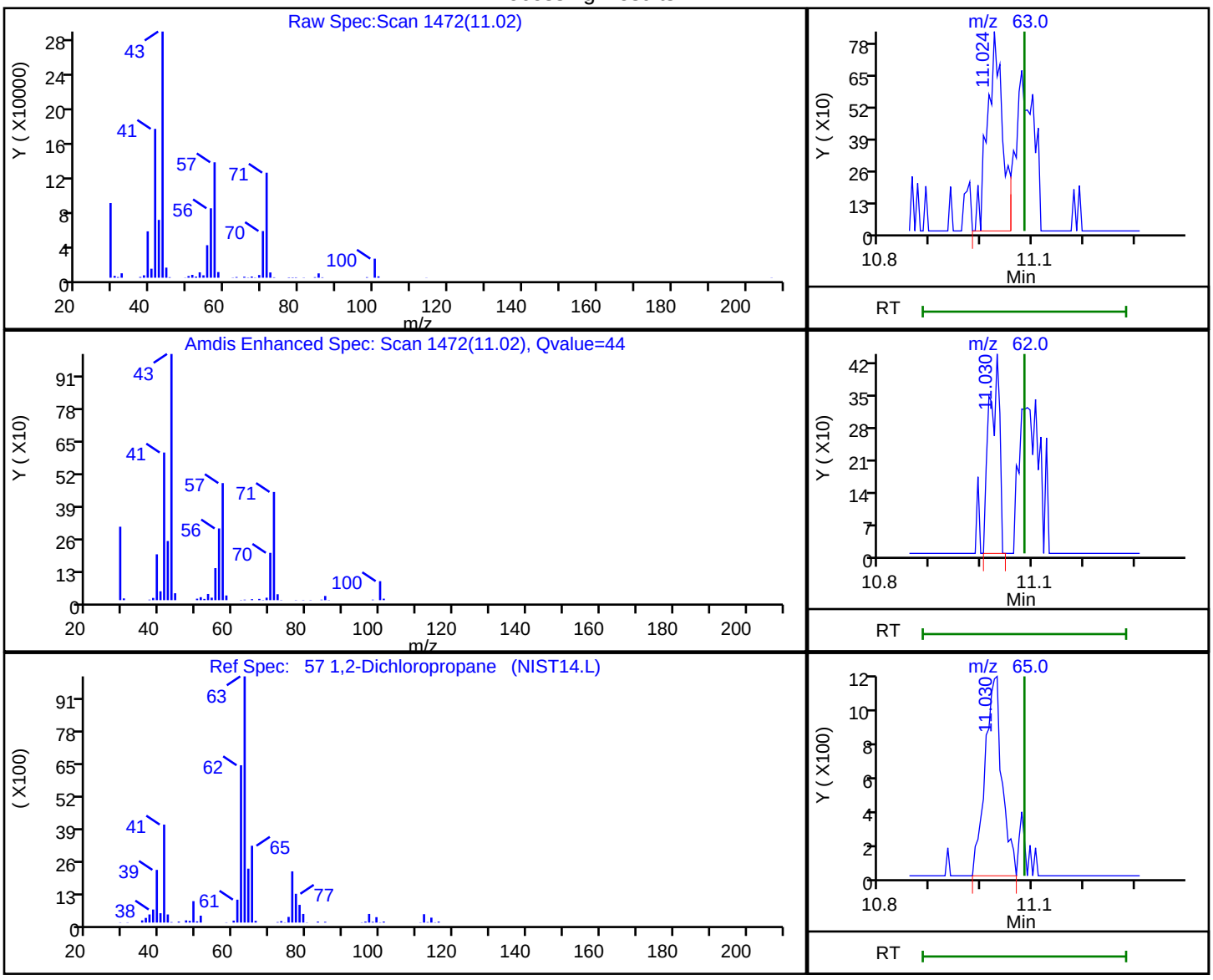
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D				
Injection Date:	11-Apr-2021 00:06:30	Instrument ID:	MR		
Lims ID:	140-22606-A-1	Lab Sample ID:	140-22606-1		
Client ID:	H1_SS_ECH_2021				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.3200		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

57 1,2-Dichloropropane, CAS: 78-87-5

Processing Results



RT	Mass	Response	Amount
11.02	63.00	1709	0.011844
11.03	62.00	601	
11.03	65.00	2712	

Reviewer: tajh, 12-Apr-2021 11:12:30

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

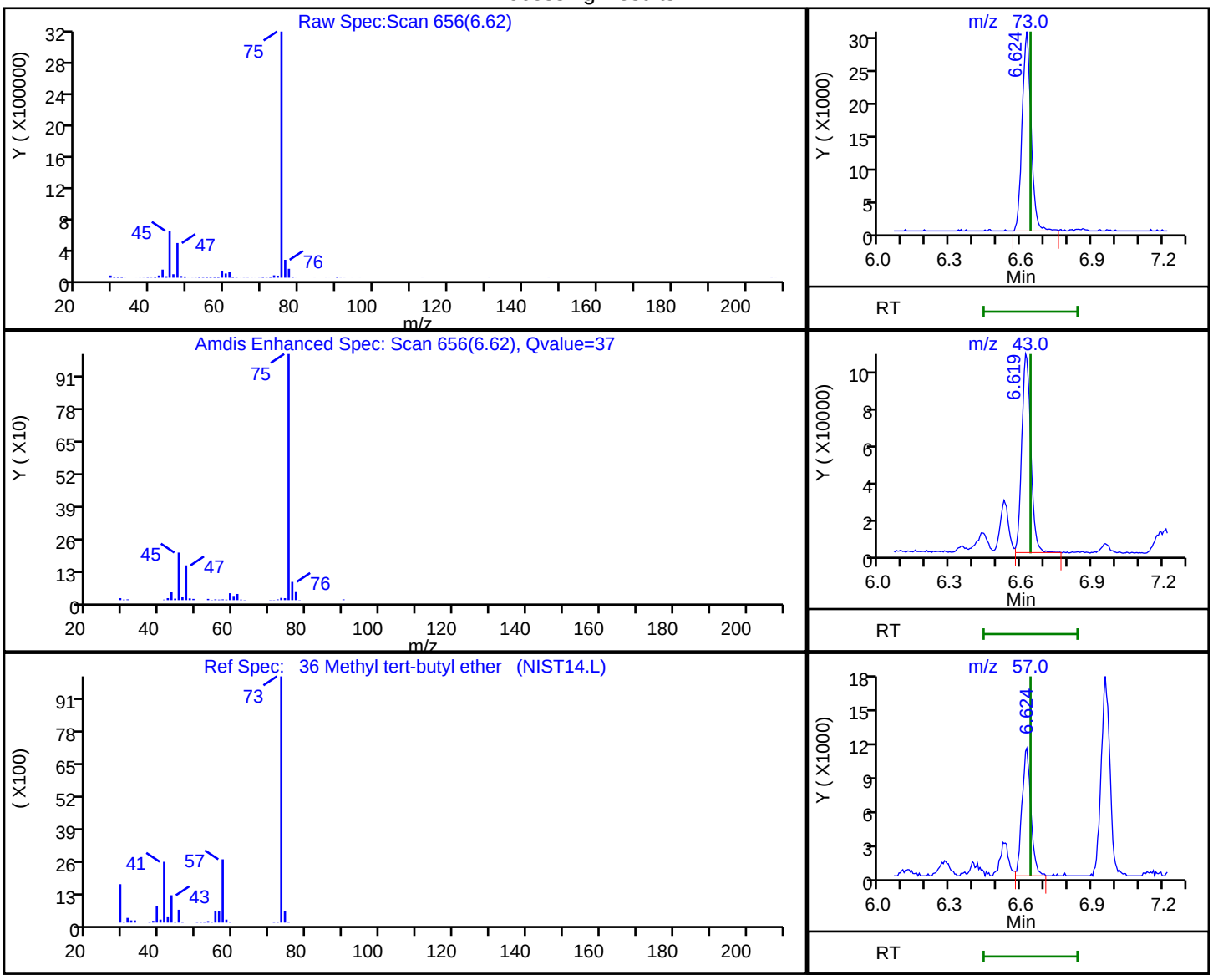
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P113.D				
Injection Date:	11-Apr-2021 00:06:30	Instrument ID:	MR		
Lims ID:	140-22606-A-1	Lab Sample ID:	140-22606-1		
Client ID:	H1_SS_ECH_2021				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.3200		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
6.62	73.00	80108	0.306178
6.62	43.00	280801	
6.62	57.00	30221	

Reviewer: tajh, 12-Apr-2021 11:12:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_SS_ECH_2021 DL Lab Sample ID: 140-22606-1 DL

Matrix: Air Lab File ID: SD12P103DL.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:17

Sample wt/vol: 30(mL) Date Analyzed: 04/13/2021 07:05

Soil Aliquot Vol: Dilution Factor: 1.32

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48707 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
64-17-5	Ethanol	46.07	830	D	44	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	109		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_SS_ECH_2021 DL Lab Sample ID: 140-22606-1 DL

Matrix: Air Lab File ID: SD12P103DL.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:17

Sample wt/vol: 30(mL) Date Analyzed: 04/13/2021 07:05

Soil Aliquot Vol: Dilution Factor: 1.32

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48707 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
64-17-5	Ethanol	46.07	1600	D	83	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	109		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SD12P103DL.D
Lims ID: 140-22606-A-1
Client ID: H1_SS_ECH_2021
Sample Type: Client
Inject. Date: 13-Apr-2021 07:05:30 ALS Bottle#: 3 Worklist Smp#: 28
Purge Vol: 500.000 mL Dil. Factor: 1.3200
Sample Info: 140-0018849-028
Misc. Info.: 140-22606-a-1@1.32
Operator ID: HMT Instrument ID: MS

Method: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 13-Apr-2021 05:37:53 Calib Date: 22-Feb-2021 22:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1657

First Level Reviewer: tajh Date: 13-Apr-2021 08:07:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.239	9.244	-0.005	95	156322	4.80	
* 2 1,4-Difluorobenzene	114	11.417	11.417	0.000	96	721669	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.082	16.087	-0.005	91	595576	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.728	17.722	0.000	84	525732	5.07	
8 Dichlorodifluoromethane	85	3.875	3.878	-0.006	96	3794	0.0301	
9 Chloromethane	52	4.074	4.072	0.000	30	1387	0.1044	
17 Ethanol	31	4.957	4.948	0.006	93	572893	37.7	
20 Trichlorofluoromethane	101	5.473	5.470	0.000	94	8496	0.0708	
29 2-Methyl-2-propanol	59	6.345	6.314	0.027	94	4888	0.0611	
31 Methylene Chloride	84	6.592	6.594	-0.005	98	47586	1.01	
39 2-Butanone (MEK)	72	8.459	8.443	0.011	97	1926	0.0740	
40 Hexane	56	8.475	8.470	0.000	60	1699	0.0409	
44 Chloroform	83	9.260	9.244	0.010	27	925	0.008443	
51 Benzene	78	10.885	10.896	-0.011	52	13571	0.0908	
50 Cyclohexane	69	10.874	10.896	-0.022	68	5226	0.2284	
67 Toluene	91	14.140	14.135	0.000	93	17807	0.1039	
73 Tetrachloroethene	129	15.264	15.264	-0.005	92	2655	0.0451	
76 Ethylbenzene	91	16.415	16.404	0.005	95	3495	0.0161	
77 m-Xylene & p-Xylene	91	16.566	16.566	-0.005	98	7746	0.0456	
81 o-Xylene	91	17.104	17.098	0.000	97	2736	0.0151	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

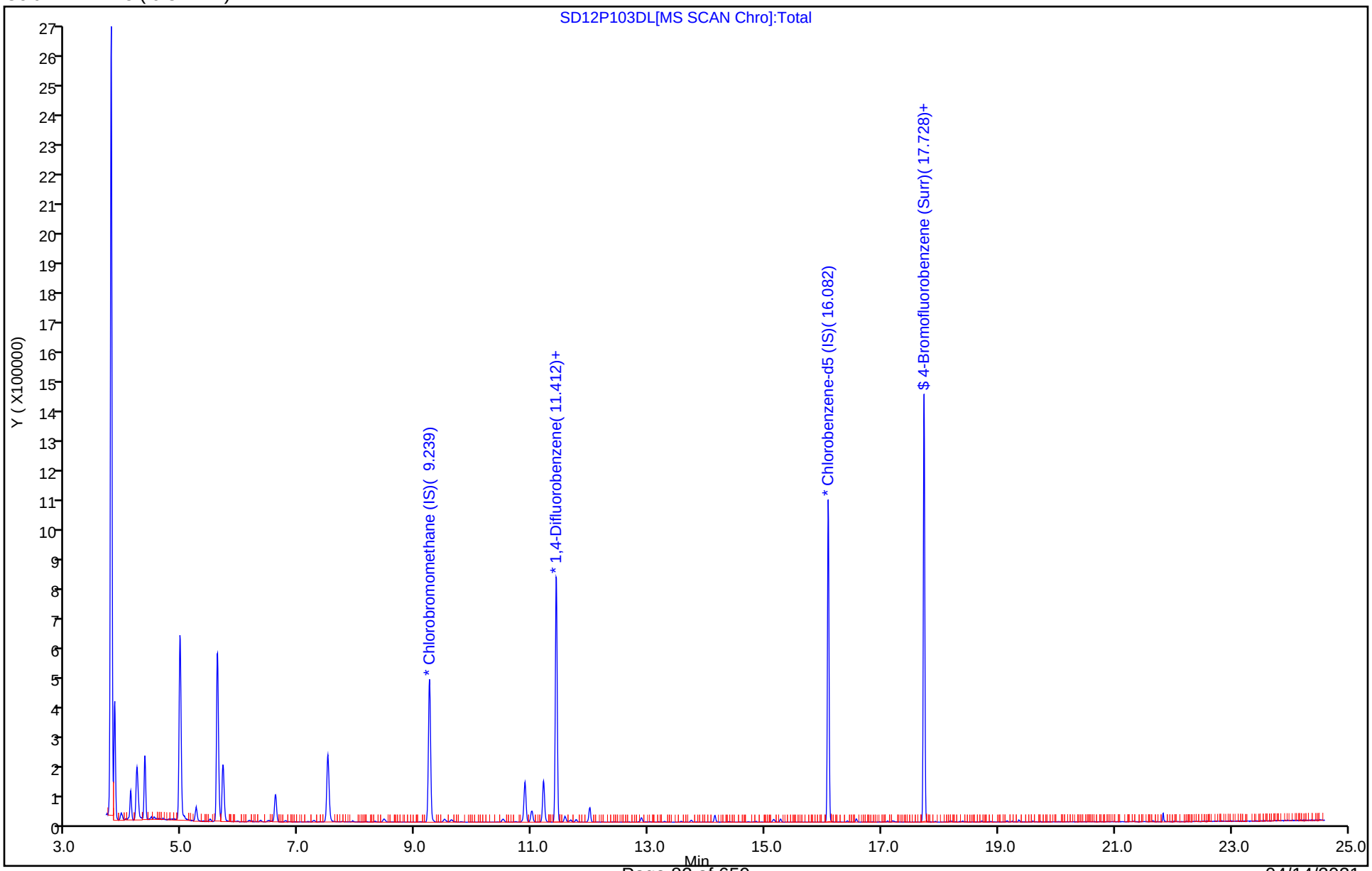
Report Date: 13-Apr-2021 08:07:41 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SD12P103DL.D

Injection Date:	13-Apr-2021 07:05:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	140-22606-A-1	Lab Sample ID:	140-22606-1	Worklist Smp#:	28
Client ID:	H1_SS_ECH_2021				
Purge Vol:	500.000 mL	Dil. Factor:	1.3200	ALS Bottle#:	3
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

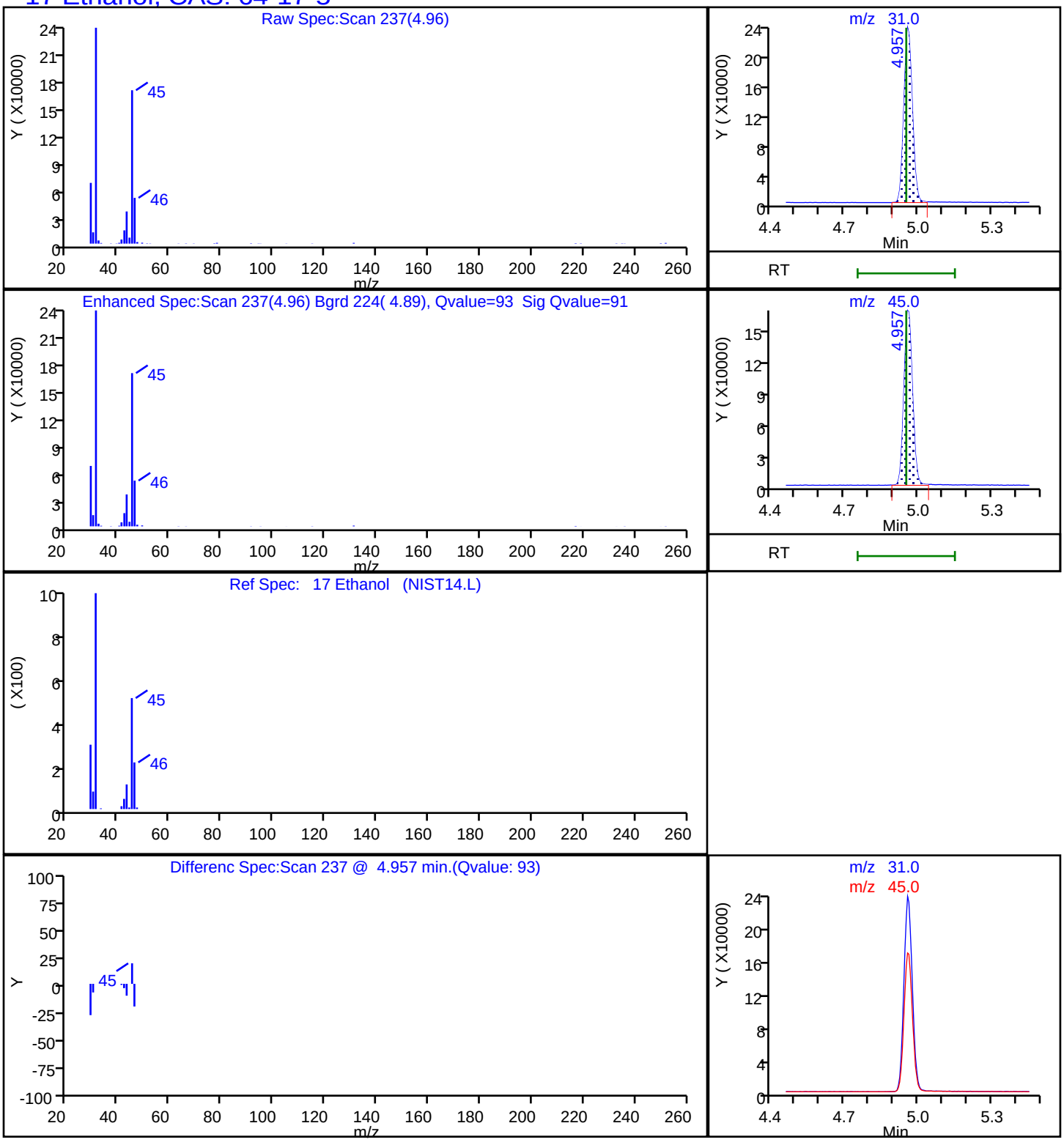
Data File:	\\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SD12P103DL.D				
Lims ID:	140-22606-A-1				
Client ID:	H1_SS_ECH_2021				
Sample Type:	Client				
Inject. Date:	13-Apr-2021 07:05:30	ALS Bottle#:	3	Worklist Smp#:	28
Purge Vol:	500.000 mL	Dil. Factor:	1.3200		
Sample Info:	140-0018849-028				
Misc. Info.:	140-22606-a-1@1.32				
Operator ID:	HMT	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210410-18849.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	13-Apr-2021 05:37:53	Calib Date:	22-Feb-2021 22:12:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1657				
First Level Reviewer: tajh		Date:	13-Apr-2021 08:07:41		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	5.07	109.29

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SD12P103DL.D		
Injection Date:	13-Apr-2021 07:05:30	Instrument ID:	MS
Lims ID:	140-22606-A-1	Lab Sample ID:	140-22606-1
Client ID:	H1_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	3 Worklist Smp#: 28
Purge Vol:	500.000 mL	Dil. Factor:	1.3200
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

17 Ethanol, CAS: 64-17-5



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: DUPE_SS_ECH_2021 Lab Sample ID: 140-22606-2

Matrix: Air Lab File ID: RD10P114.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:17

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2021 00:55

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.27	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.27	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.27	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.27	
75-34-3	1,1-Dichloroethane	98.96	ND		0.27	
75-35-4	1,1-Dichloroethene	96.94	ND		0.13	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.27	
95-63-6	1,2,4-Trimethylbenzene	120.20	0.67		0.27	
106-93-4	1,2-Dibromoethane	187.87	ND		0.27	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.27	
107-06-2	1,2-Dichloroethane	98.96	ND		0.27	
78-87-5	1,2-Dichloropropane	112.99	ND		0.27	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.27	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.27	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.27	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.27	
123-91-1	1,4-Dioxane	88.11	ND		0.67	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.67	
78-93-3	2-Butanone	72.11	2.7		1.1	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.67	
71-43-2	Benzene	78.11	3.0		0.27	
100-44-7	Benzyl chloride	126.58	ND		0.54	
75-27-4	Bromodichloromethane	163.83	ND		0.27	
75-25-2	Bromoform	252.75	ND		0.27	
74-83-9	Bromomethane	94.94	ND		0.27	
56-23-5	Carbon tetrachloride	153.81	ND		0.11	
108-90-7	Chlorobenzene	112.56	ND		0.27	
75-00-3	Chloroethane	64.52	ND		0.27	
67-66-3	Chloroform	119.38	ND		0.27	
74-87-3	Chloromethane	50.49	1.3		0.67	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.13	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.27	
110-82-7	Cyclohexane	84.16	4.6		0.67	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: DUPE_SS_ECH_2021 Lab Sample ID: 140-22606-2

Matrix: Air Lab File ID: RD10P114.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:17

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2021 00:55

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		0.27	
75-71-8	Dichlorodifluoromethane	120.91	ND		0.27	
64-17-5	*Ethanol*	*46.07*	*1600*	*E*	*6.7*	
100-41-4	Ethylbenzene	106.17	0.47		0.27	
87-68-3	Hexachlorobutadiene	260.76	ND		0.27	
110-54-3	Hexane	86.17	1.2		0.67	
1634-04-4	Methyl tert-butyl ether	88.15	1.1		0.54	
75-09-2	Methylene Chloride	84.93	37		1.3	
179601-23-1	m-Xylene & p-Xylene	106.17	1.5		0.27	
91-20-3	Naphthalene	128.17	ND		0.67	
95-47-6	o-Xylene	106.17	0.67		0.27	
100-42-5	Styrene	104.15	0.37		0.27	
75-65-0	t-Butyl alcohol	74.12	1.7		1.1	
127-18-4	Tetrachloroethene	165.83	1.0		0.27	
108-88-3	Toluene	92.14	3.6		0.40	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.27	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.27	
79-01-6	Trichloroethene	131.39	ND		0.12	
75-69-4	Trichlorofluoromethane	137.37	1.3		0.27	
75-01-4	Vinyl chloride	62.50	0.13		0.13	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: DUPE_SS_ECH_2021 Lab Sample ID: 140-22606-2

Matrix: Air Lab File ID: RD10P114.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:17

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2021 00:55

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.5	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.8	
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.5	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		2.1	
75-34-3	1,1-Dichloroethane	98.96	ND		1.1	
75-35-4	1,1-Dichloroethene	96.94	ND		0.53	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		2.0	
95-63-6	1,2,4-Trimethylbenzene	120.20	3.3		1.3	
106-93-4	1,2-Dibromoethane	187.87	ND		2.1	
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.6	
107-06-2	1,2-Dichloroethane	98.96	ND		1.1	
78-87-5	1,2-Dichloropropane	112.99	ND		1.2	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.9	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		1.3	
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.6	
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.6	
123-91-1	1,4-Dioxane	88.11	ND		2.4	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		3.1	
78-93-3	2-Butanone	72.11	7.9		3.2	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		2.7	
71-43-2	Benzene	78.11	9.6		0.86	
100-44-7	Benzyl chloride	126.58	ND		2.8	
75-27-4	Bromodichloromethane	163.83	ND		1.8	
75-25-2	Bromoform	252.75	ND		2.8	
74-83-9	Bromomethane	94.94	ND		1.0	
56-23-5	Carbon tetrachloride	153.81	ND		0.67	
108-90-7	Chlorobenzene	112.56	ND		1.2	
75-00-3	Chloroethane	64.52	ND		0.71	
67-66-3	Chloroform	119.38	ND		1.3	
74-87-3	Chloromethane	50.49	2.6		1.4	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.53	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		1.2	
110-82-7	Cyclohexane	84.16	16		2.3	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: DUPE_SS_ECH_2021 Lab Sample ID: 140-22606-2

Matrix: Air Lab File ID: RD10P114.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:17

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2021 00:55

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		2.3	
75-71-8	Dichlorodifluoromethane	120.91	ND		1.3	
64-17-5	*Ethanol*	*46.07*	*3100*	*E*	*13*	
100-41-4	Ethylbenzene	106.17	2.0		1.2	
87-68-3	Hexachlorobutadiene	260.76	ND		2.9	
110-54-3	Hexane	86.17	4.3		2.4	
1634-04-4	Methyl tert-butyl ether	88.15	3.9		1.9	
75-09-2	Methylene Chloride	84.93	130		4.7	
179601-23-1	m-Xylene & p-Xylene	106.17	6.7		1.2	
91-20-3	Naphthalene	128.17	ND		3.5	
95-47-6	o-Xylene	106.17	2.9		1.2	
100-42-5	Styrene	104.15	1.6		1.1	
75-65-0	t-Butyl alcohol	74.12	5.1		3.2	
127-18-4	Tetrachloroethene	165.83	6.8		1.8	
108-88-3	Toluene	92.14	14		1.5	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		1.1	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		1.2	
79-01-6	Trichloroethene	131.39	ND		0.65	
75-69-4	Trichlorofluoromethane	137.37	7.4		1.5	
75-01-4	Vinyl chloride	62.50	0.34		0.34	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D
Lims ID: 140-22606-A-2
Client ID: DUPE_SS_ECH_2021
Sample Type: Client
Inject. Date: 11-Apr-2021 00:55:30 ALS Bottle#: 14 Worklist Smp#: 21
Purge Vol: 500.000 mL Dil. Factor: 1.3400
Sample Info: 140-0018816-021
Misc. Info.: 140-22606-a-2@1.34
Operator ID: HMT Instrument ID: MR

Method: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Apr-2021 11:16:09 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: tajh Date: 12-Apr-2021 11:13:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.193	8.188	0.005	92	309675	4.80	
* 2 1,4-Difluorobenzene	114	10.399	10.393	0.006	97	1555877	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.241	15.241	0.000	93	1274265	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.897	16.896	0.001	84	871198	4.69	
8 Dichlorodifluoromethane	85	3.454	3.453	0.001	97	9153	0.0635	
9 Chloromethane	52	3.615	3.615	0.000	99	14176	0.3761	
12 Vinyl chloride	62	3.761	3.766	-0.005	31	4576	0.0399	
15 Bromomethane	94	4.111	4.127	-0.016	24	2325	0.0250	
16 Chloroethane	64	4.241	4.251	-0.010	29	1450	0.0316	
17 Ethanol	31	4.386	4.348	0.038	93	17109684	489.6	E
20 Trichlorofluoromethane	101	4.758	4.758	0.000	99	97062	0.3952	
29 2-Methyl-2-propanol	59	5.567	5.529	0.038	97	98767	0.5015	
30 112TCTFE	101	5.578	5.583	-0.005	30	4686	0.0221	
31 Methylene Chloride	84	5.745	5.740	0.005	96	943718	11.0	
34 trans-1,2-Dichloroethene	96	6.516	6.505	0.011	31	835	0.009295	
36 Methyl tert-butyl ether	73	6.624	6.640	-0.016	40	84073	0.3188	
39 2-Butanone (MEK)	72	7.460	7.454	0.006	96	38281	0.8009	
40 Hexane	56	7.482	7.481	0.001	75	34694	0.3647	
42 cis-1,2-Dichloroethene	96	7.881	7.864	0.017	35	1986	0.0191	
44 Chloroform	83	8.210	8.204	0.006	71	10336	0.0489	
48 1,2-Dichloroethane	62	9.320	9.315	0.005	94	10798	0.0728	
50 Cyclohexane	69	9.817	9.811	0.005	63	62954	1.38	
51 Benzene	78	9.811	9.811	0.000	97	261677	0.8927	
52 Carbon tetrachloride	117	9.849	9.832	0.017	24	4279	0.0226	
55 Isooctane	57	10.631	10.625	0.006	49	46523	0.0799	
58 Trichloroethene	130	11.132	11.132	0.000	33	1033	0.008007	
64 4-Methyl-2-pentanone (MIBK)	43	12.362	12.356	0.006	97	43790	0.1598	
67 Toluene	91	13.241	13.240	0.001	93	374583	1.07	
73 Tetrachloroethene	129	14.400	14.400	0.000	89	37249	0.3012	
74 Chlorobenzene	112	15.284	15.290	-0.006	81	2250	0.008700	
76 Ethylbenzene	91	15.586	15.586	0.000	99	61984	0.1408	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
77 m-Xylene & p-Xylene	91	15.748	15.753	-0.005	98	157106	0.4621	
80 Styrene	104	16.223	16.217	0.006	96	24766	0.1110	
81 o-Xylene	91	16.277	16.276	0.001	98	68227	0.1998	
88 1,3,5-Trimethylbenzene	120	17.662	17.662	0.000	90	12123	0.0636	
92 1,2,4-Trimethylbenzene	105	18.115	18.115	0.000	99	76873	0.1999	
96 1,4-Dichlorobenzene	146	18.477	18.476	0.001	91	9448	0.0408	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

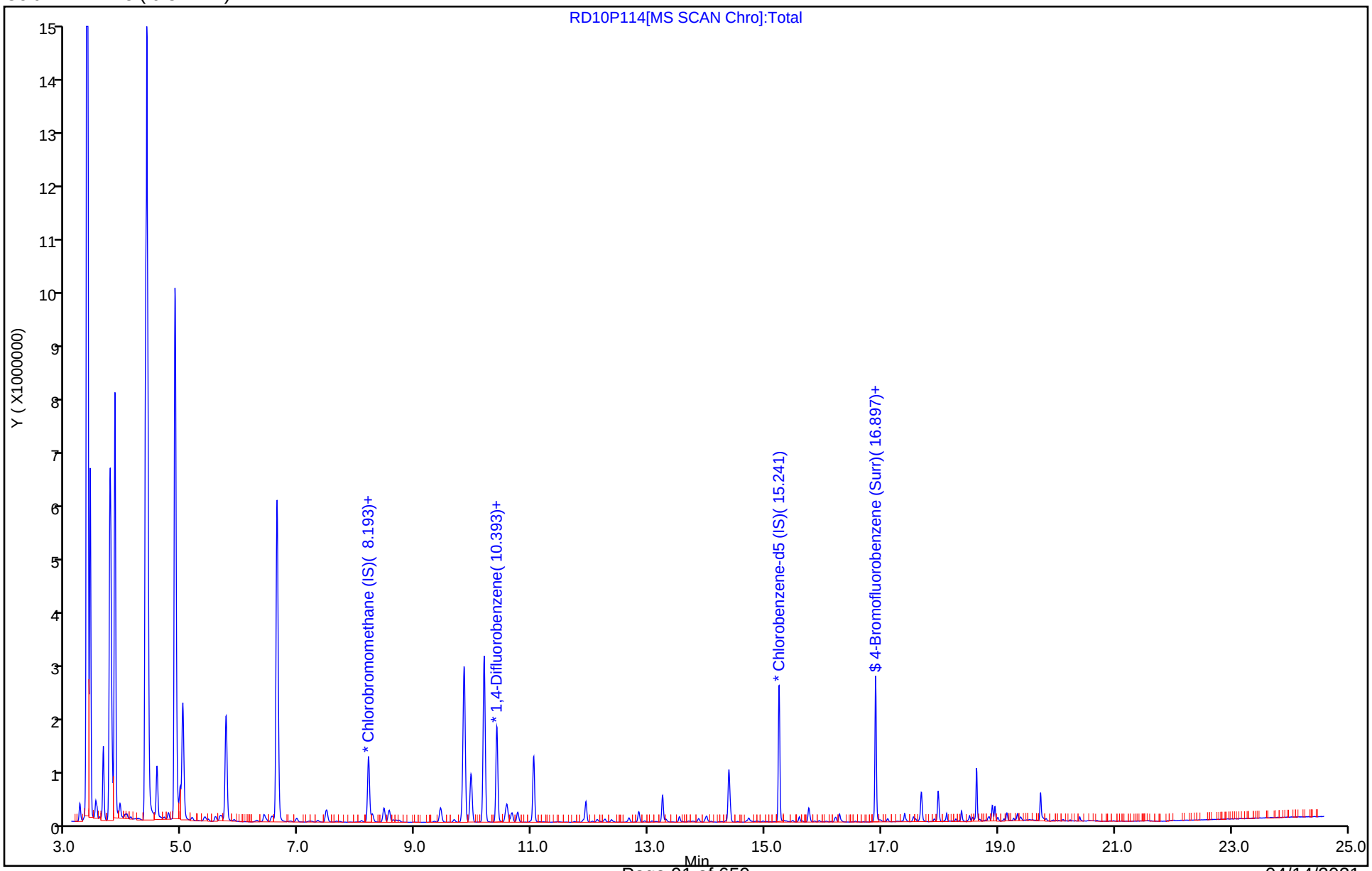
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 12-Apr-2021 11:21:21 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D				
Injection Date:	11-Apr-2021 00:55:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-22606-A-2	Lab Sample ID:	140-22606-2	Worklist Smp#:	21
Client ID:	DUPE_SS_ECH_2021				
Purge Vol:	500.000 mL	Dil. Factor:	1.3400	ALS Bottle#:	14
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

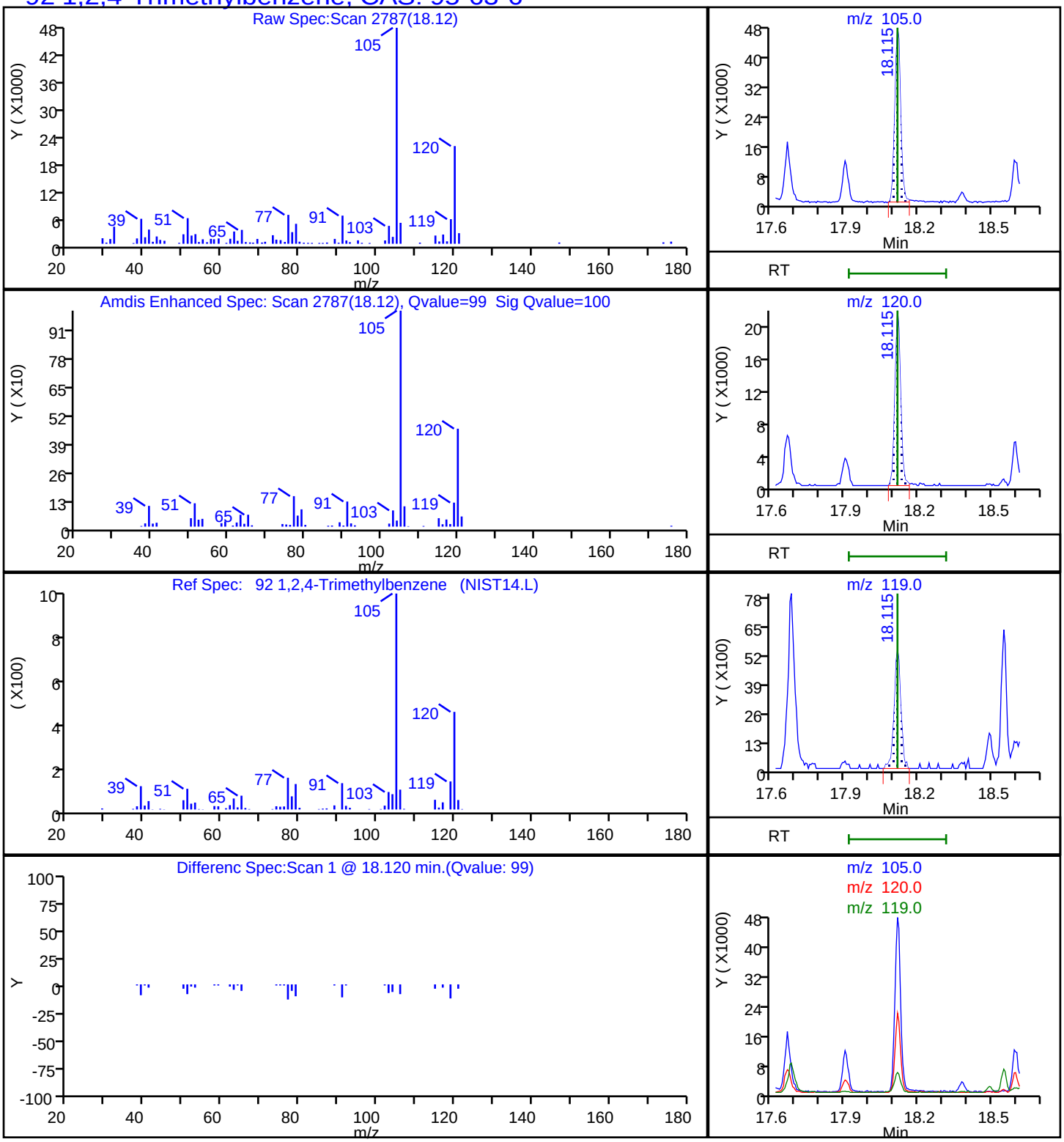
Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D				
Lims ID:	140-22606-A-2				
Client ID:	DUPE_SS_ECH_2021				
Sample Type:	Client				
Inject. Date:	11-Apr-2021 00:55:30	ALS Bottle#:	14	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
Sample Info:	140-0018816-021				
Misc. Info.:	140-22606-a-2@1.34				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Apr-2021 11:16:09	Calib Date:	17-Feb-2021 20:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1601				
First Level Reviewer: tajh		Date:	12-Apr-2021 11:13:37		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.69	100.99

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D		
Injection Date:	11-Apr-2021 00:55:30	Instrument ID:	MR
Lims ID:	140-22606-A-2	Lab Sample ID:	140-22606-2
Client ID:	DUPE_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 21
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

92 1,2,4-Trimethylbenzene, CAS: 95-63-6

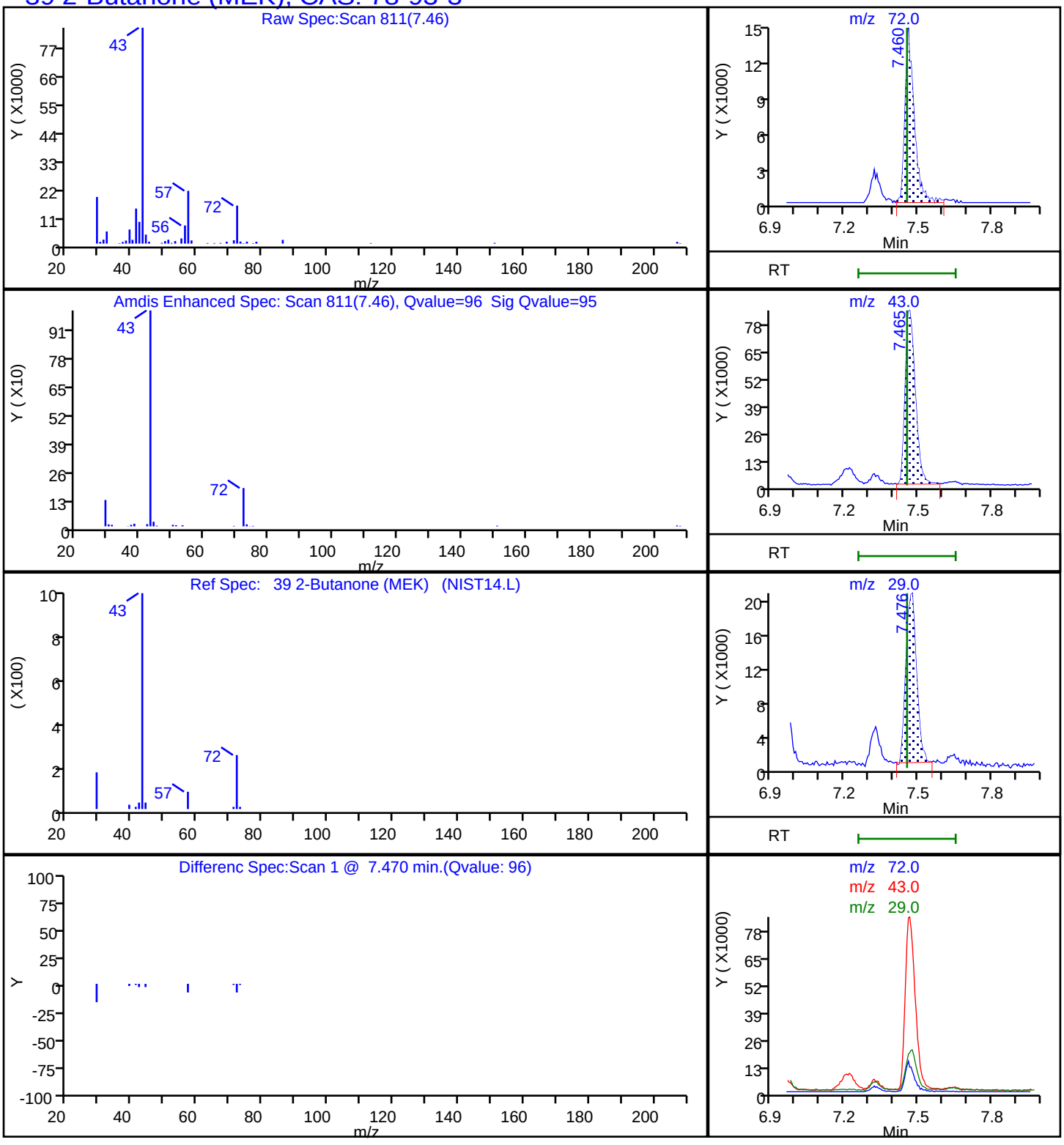


Report Date: 12-Apr-2021 11:21:21 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D		
Injection Date:	11-Apr-2021 00:55:30	Instrument ID:	MR
Lims ID:	140-22606-A-2	Lab Sample ID:	140-22606-2
Client ID:	DUPE_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 21
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

39 2-Butanone (MEK), CAS: 78-93-3



Report Date: 12-Apr-2021 11:21:21 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D

Injection Date: 11-Apr-2021 00:55:30 Instrument ID: MR

Lims ID: 140-22606-A-2 Lab Sample ID: 140-22606-2

Client ID: DUPE_SS_ECH_2021

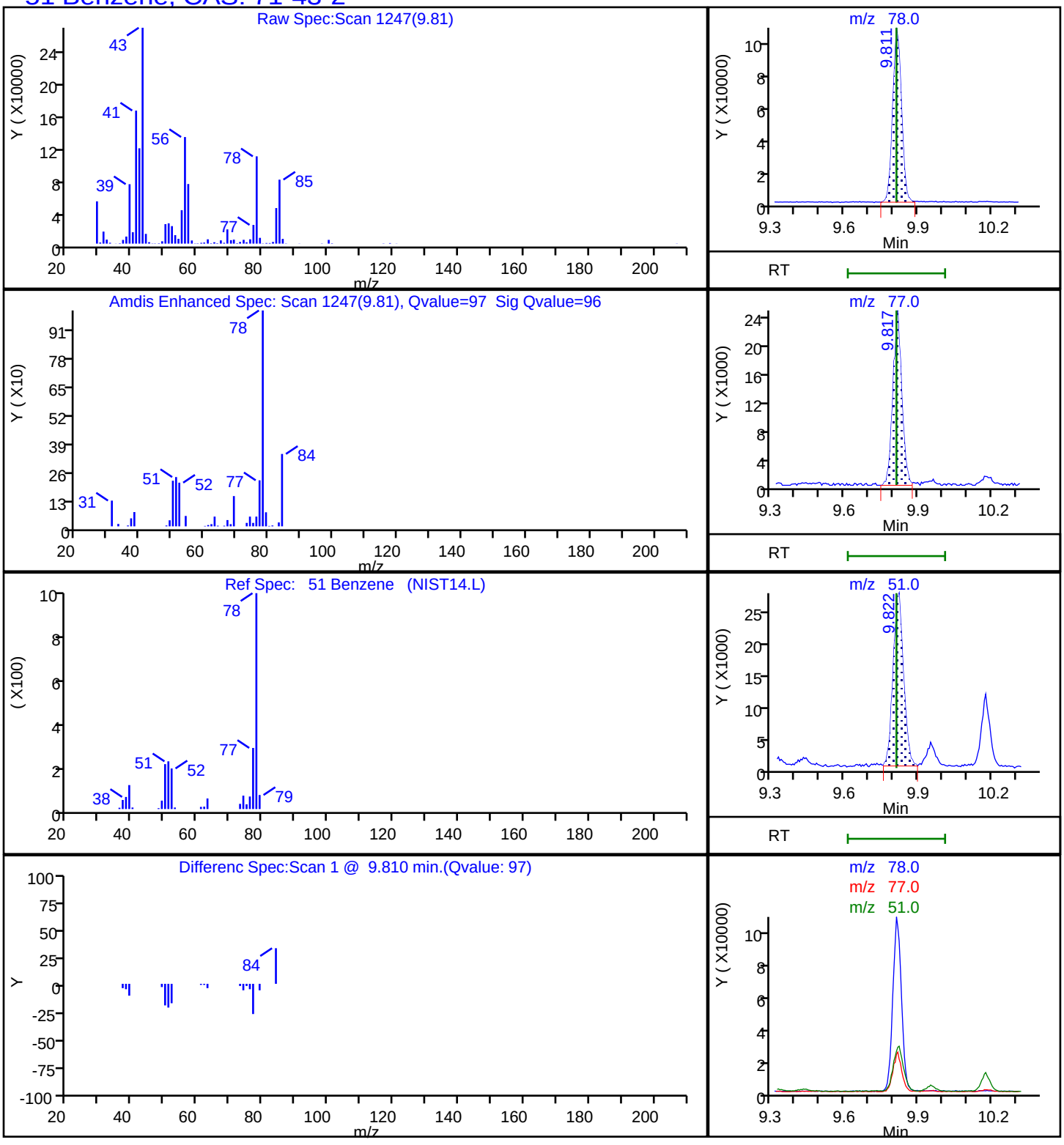
Operator ID: HMT ALS Bottle#: 14 Worklist Smp#: 21

Purge Vol: 500.000 mL Dil. Factor: 1.3400

Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

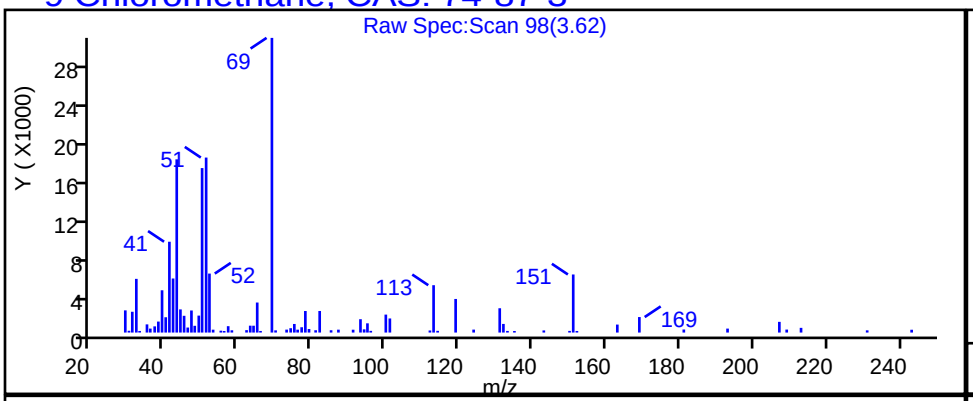
51 Benzene, CAS: 71-43-2

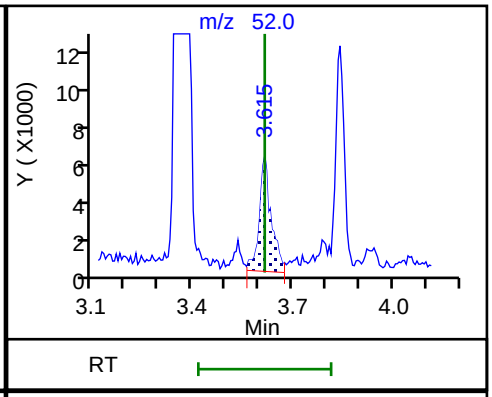


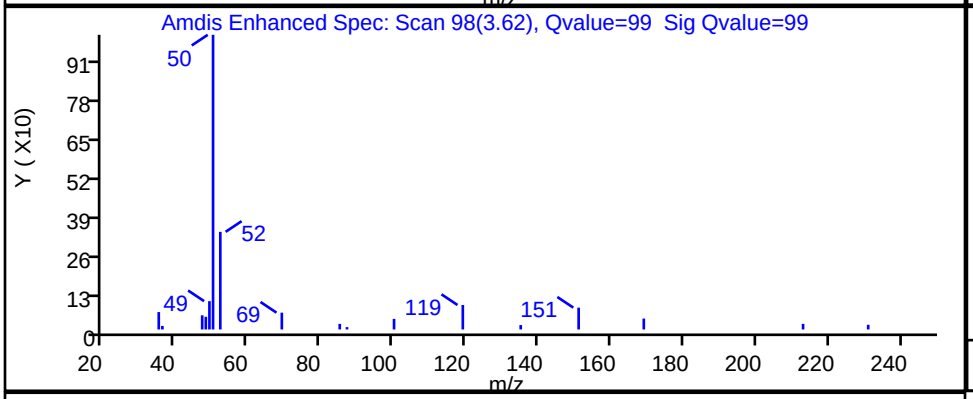
Eurofins TestAmerica, Knoxville

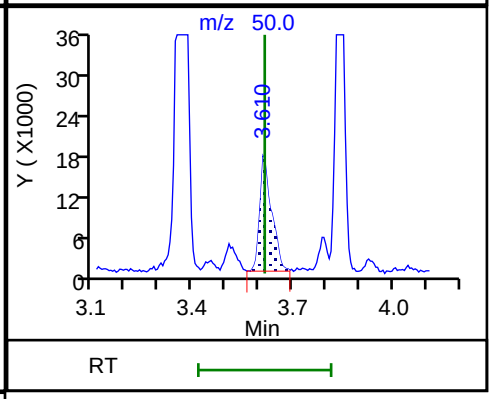
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Injection Date:	11-Apr-2021 00:55:30	Instrument ID:	MR		
Lims ID:	140-22606-A-2	Lab Sample ID:	140-22606-2		
Client ID:	DUPE_SS_ECH_2021				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

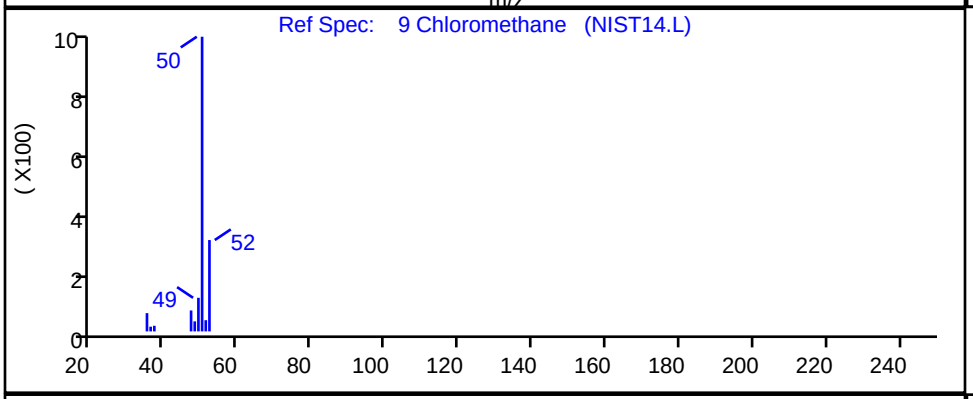
9 Chloromethane, CAS: 74-87-3

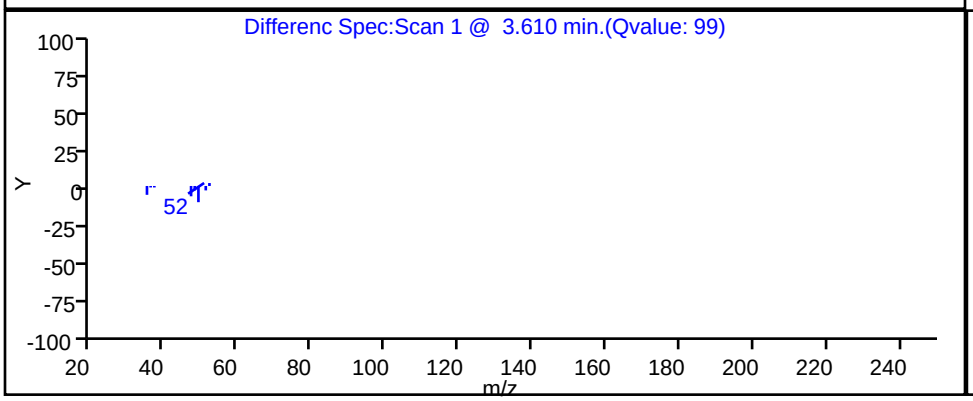


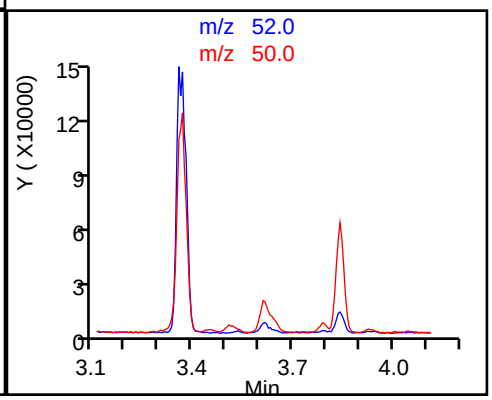








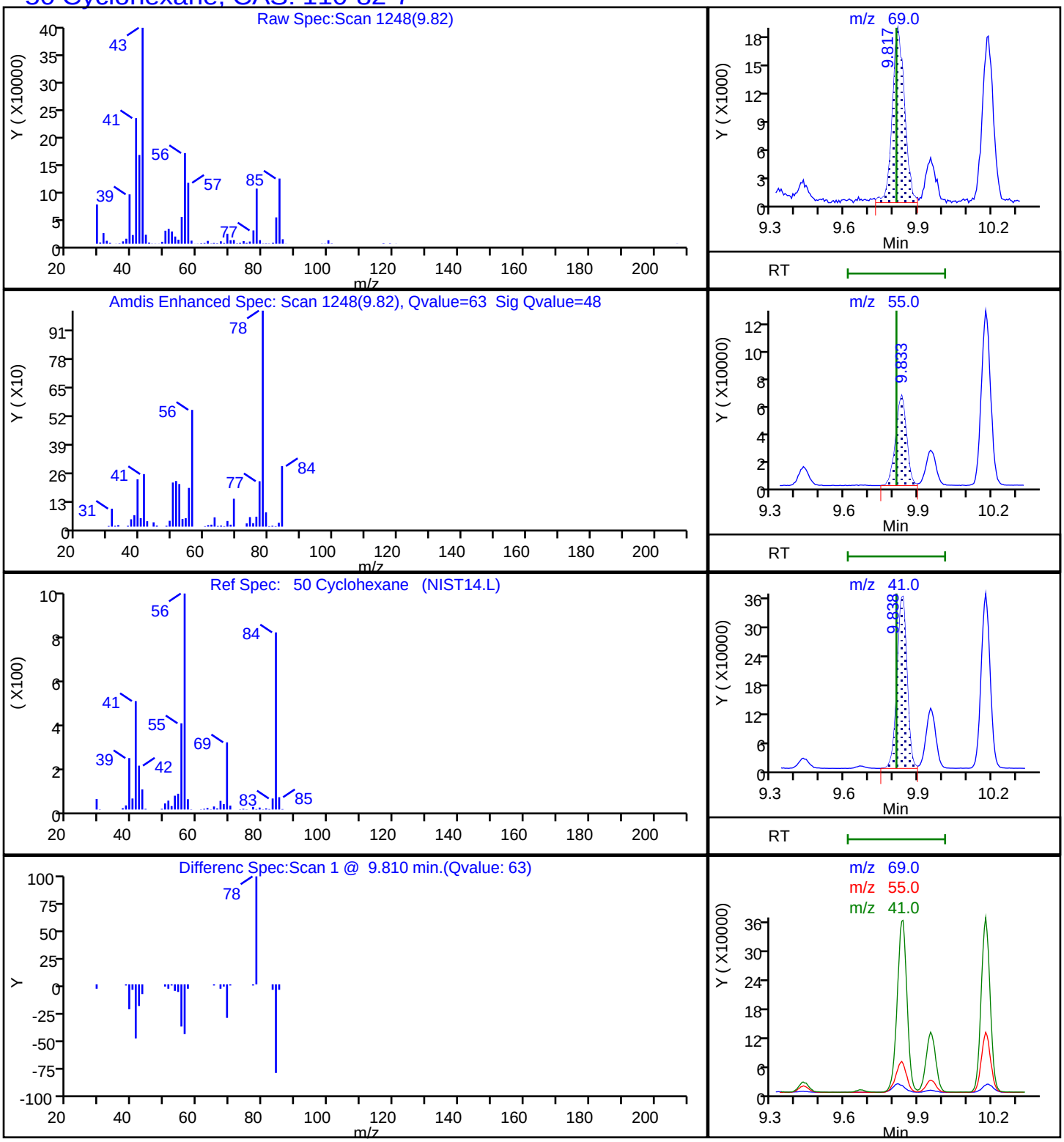




Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D		
Injection Date:	11-Apr-2021 00:55:30	Instrument ID:	MR
Lims ID:	140-22606-A-2	Lab Sample ID:	140-22606-2
Client ID:	DUPE_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 21
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

50 Cyclohexane, CAS: 110-82-7

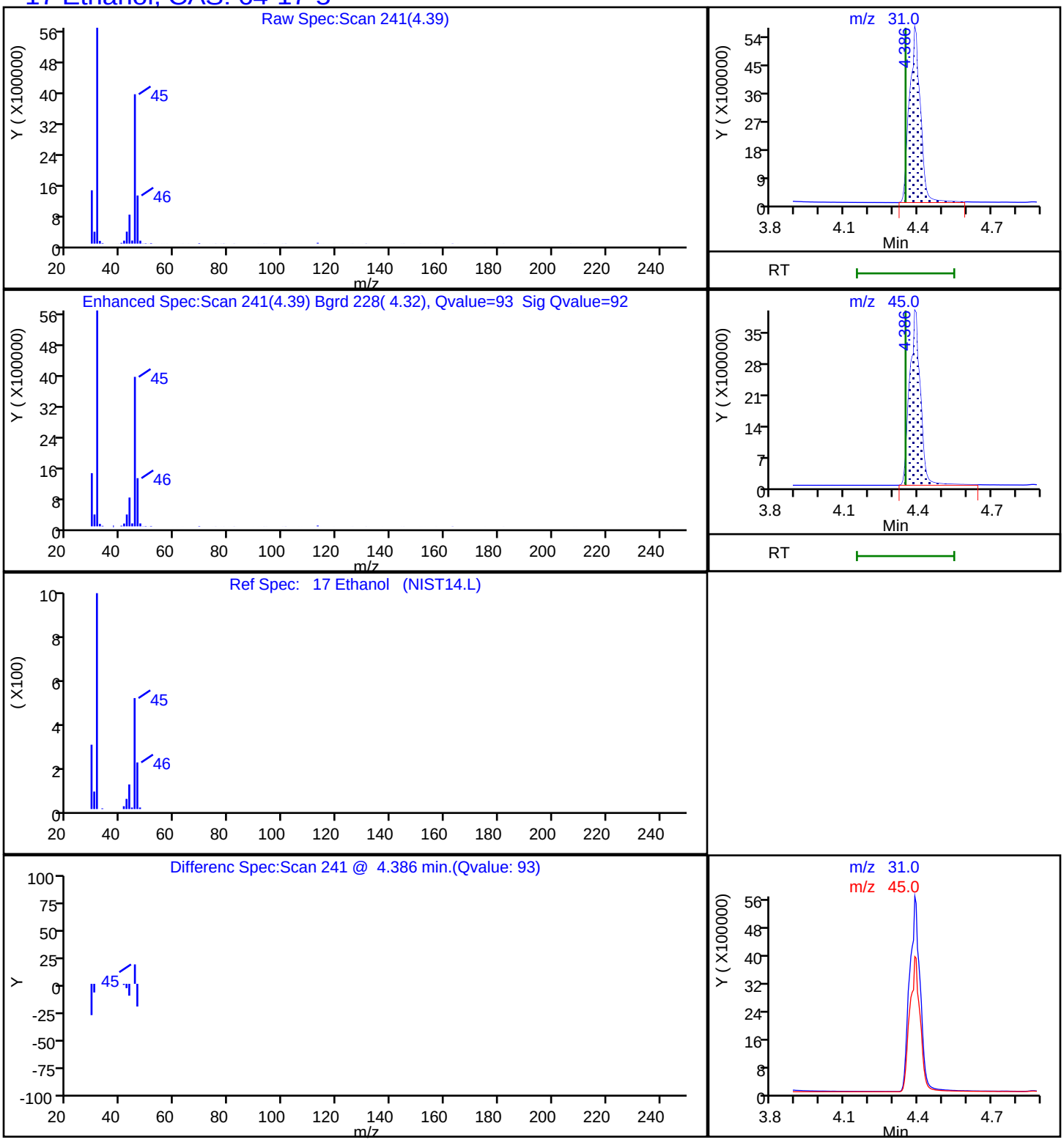


Report Date: 12-Apr-2021 11:21:21 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D				
Injection Date:	11-Apr-2021 00:55:30	Instrument ID:	MR		
Lims ID:	140-22606-A-2	Lab Sample ID:	140-22606-2		
Client ID:	DUPE_SS_ECH_2021				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

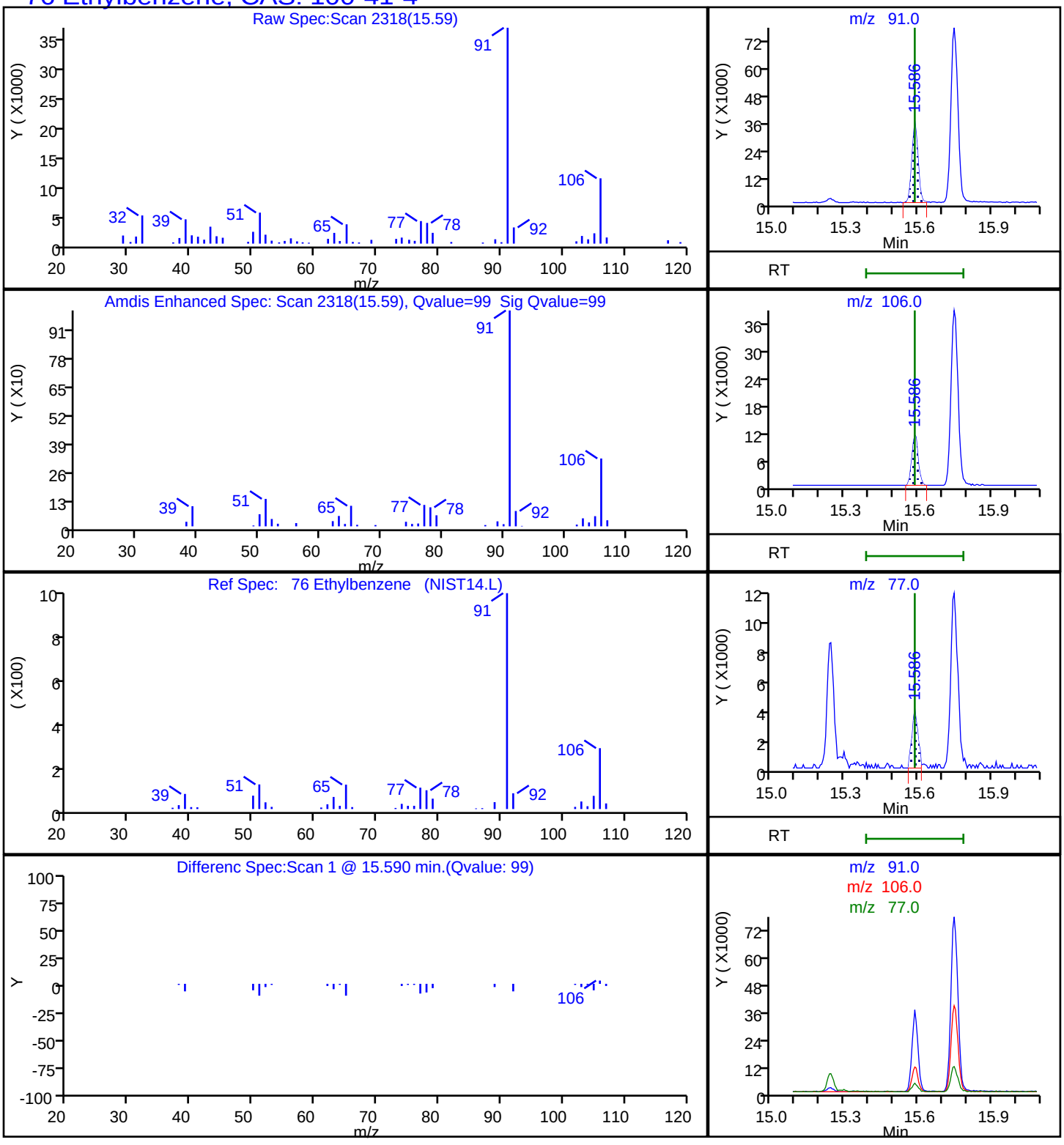
17 Ethanol, CAS: 64-17-5



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D		
Injection Date:	11-Apr-2021 00:55:30	Instrument ID:	MR
Lims ID:	140-22606-A-2	Lab Sample ID:	140-22606-2
Client ID:	DUPE_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 21
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

76 Ethylbenzene, CAS: 100-41-4



Report Date: 12-Apr-2021 11:21:21 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D

Injection Date: 11-Apr-2021 00:55:30 Instrument ID: MR

Lims ID: 140-22606-A-2 Lab Sample ID: 140-22606-2

Client ID: DUPE_SS_ECH_2021

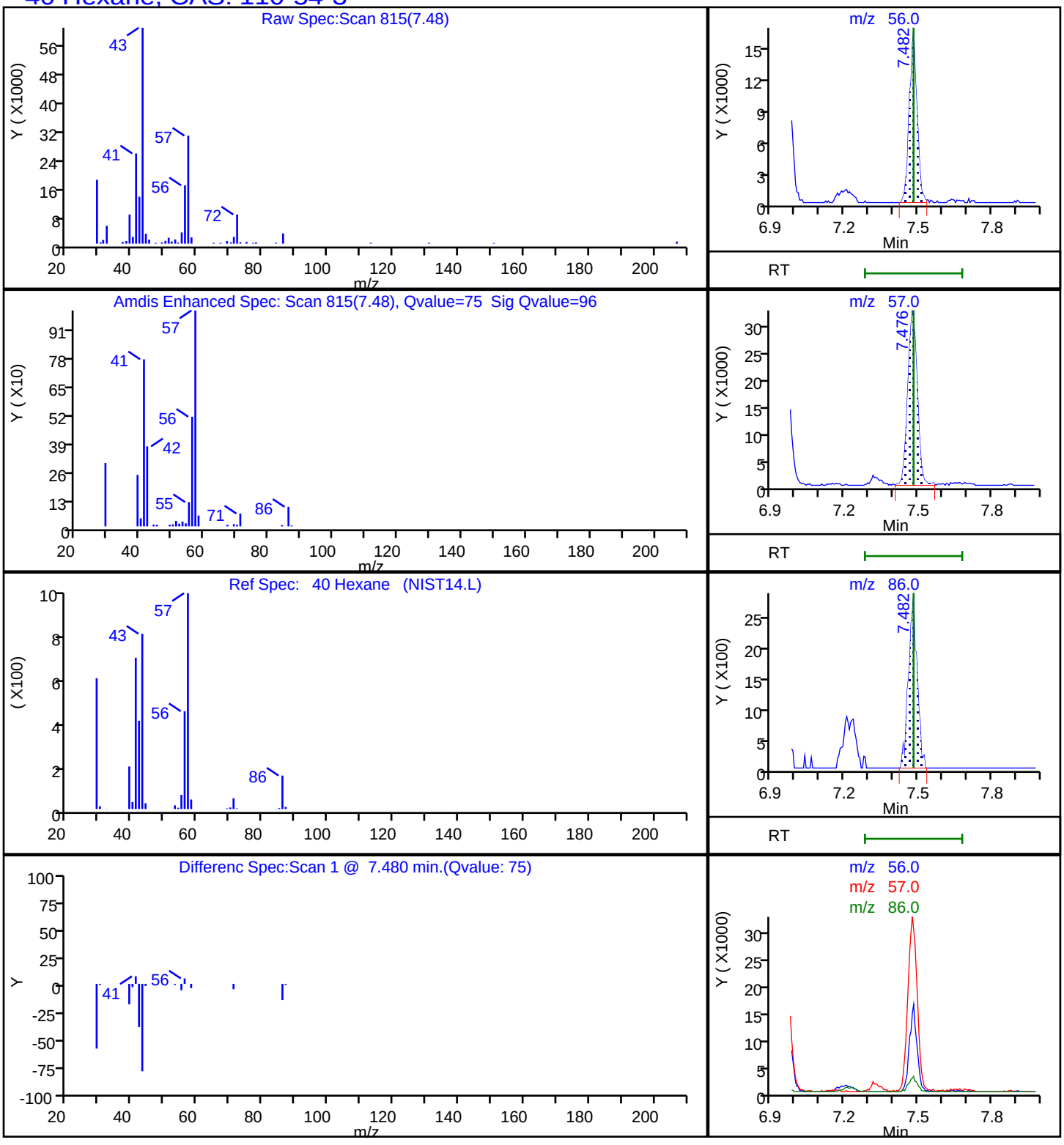
Operator ID: HMT ALS Bottle#: 14 Worklist Smp#: 21

Purge Vol: 500.000 mL Dil. Factor: 1.3400

Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

40 Hexane, CAS: 110-54-3

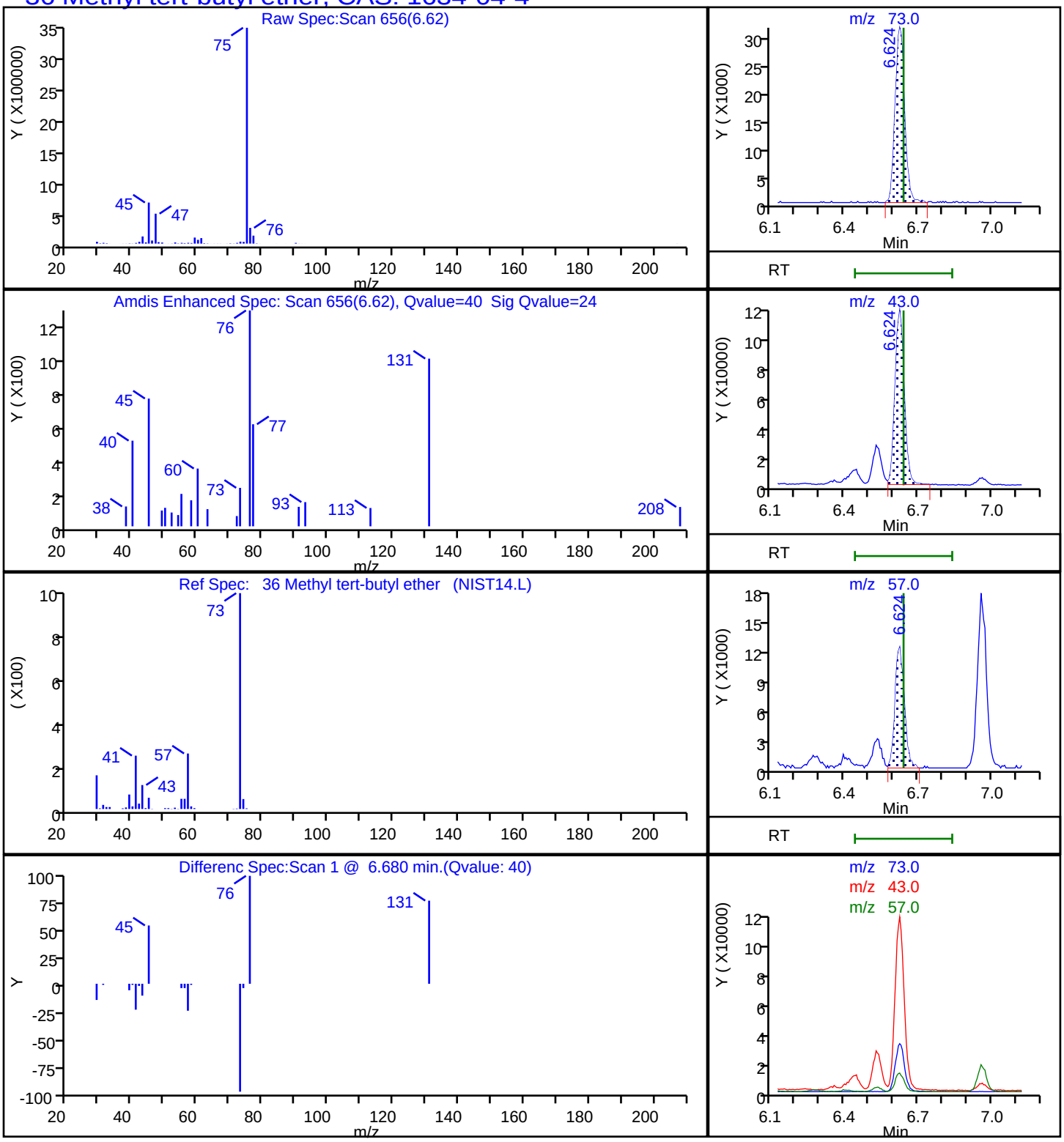


Report Date: 12-Apr-2021 11:21:21 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D		
Injection Date:	11-Apr-2021 00:55:30	Instrument ID:	MR
Lims ID:	140-22606-A-2	Lab Sample ID:	140-22606-2
Client ID:	DUPE_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 21
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

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



Report Date: 12-Apr-2021 11:21:21 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D

Injection Date: 11-Apr-2021 00:55:30 Instrument ID: MR

Lims ID: 140-22606-A-2 Lab Sample ID: 140-22606-2

Client ID: DUPE_SS_ECH_2021

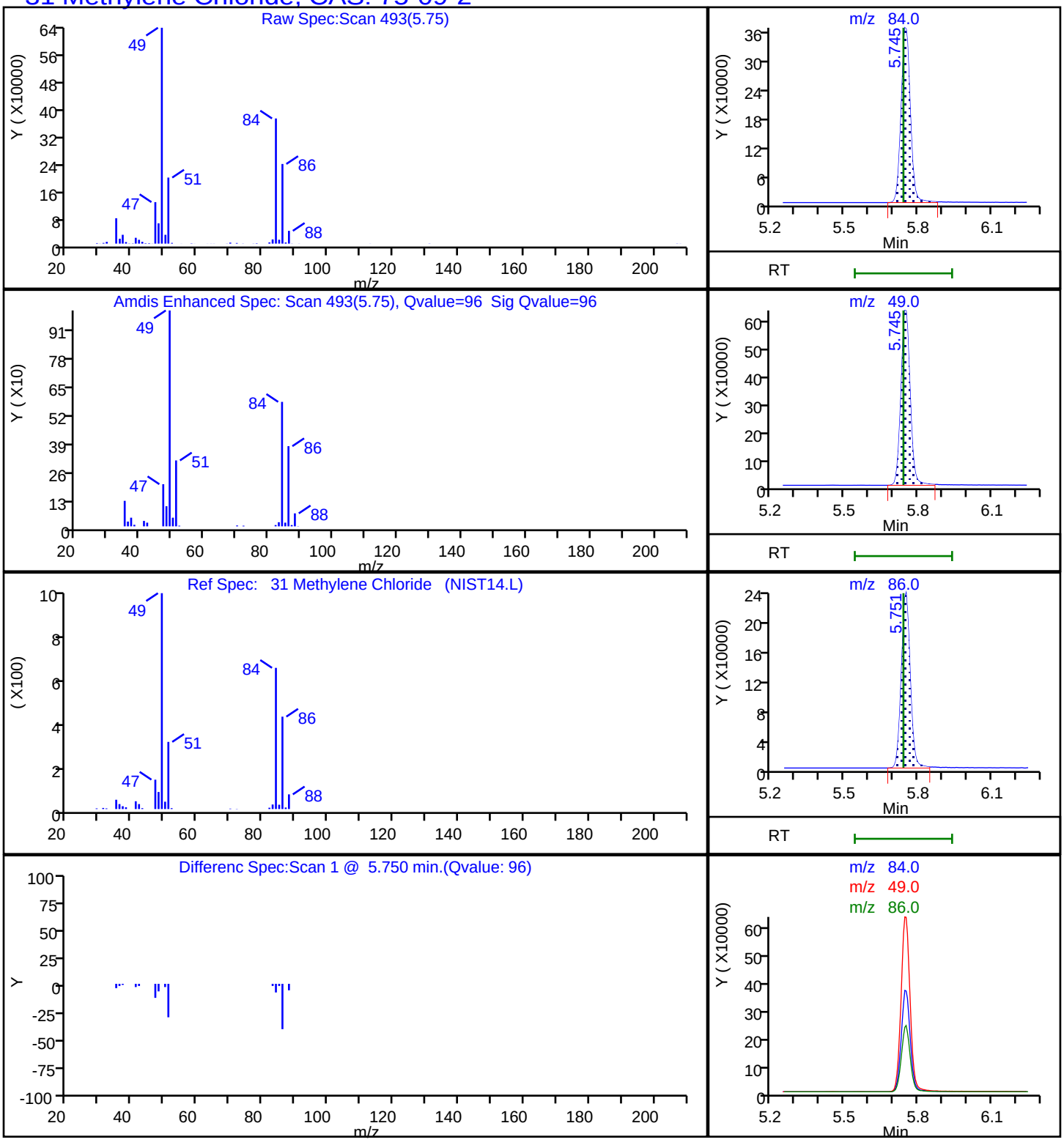
Operator ID: HMT ALS Bottle#: 14 Worklist Smp#: 21

Purge Vol: 500.000 mL Dil. Factor: 1.3400

Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

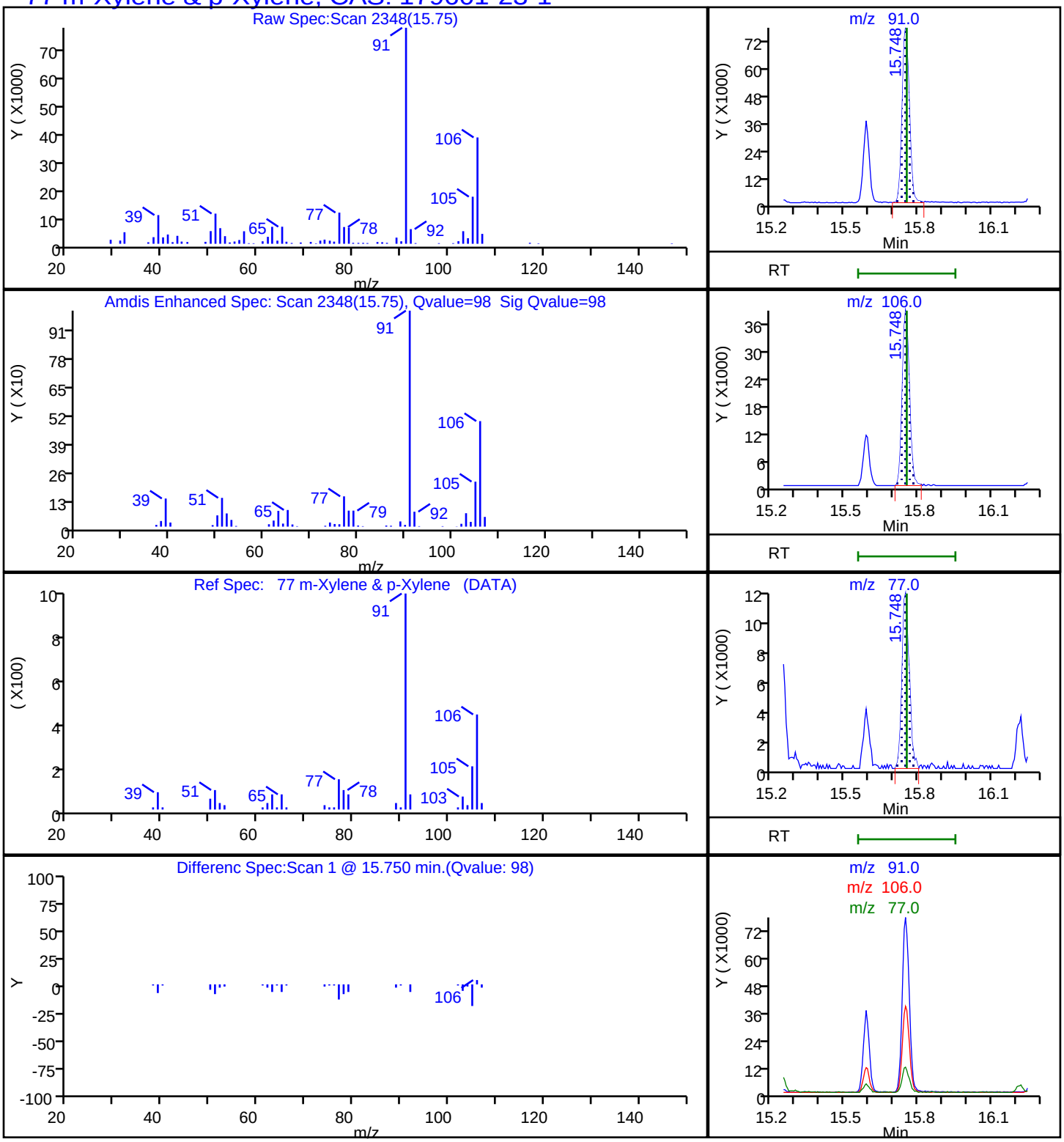
31 Methylene Chloride, CAS: 75-09-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D		
Injection Date:	11-Apr-2021 00:55:30	Instrument ID:	MR
Lims ID:	140-22606-A-2	Lab Sample ID:	140-22606-2
Client ID:	DUPE_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 21
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

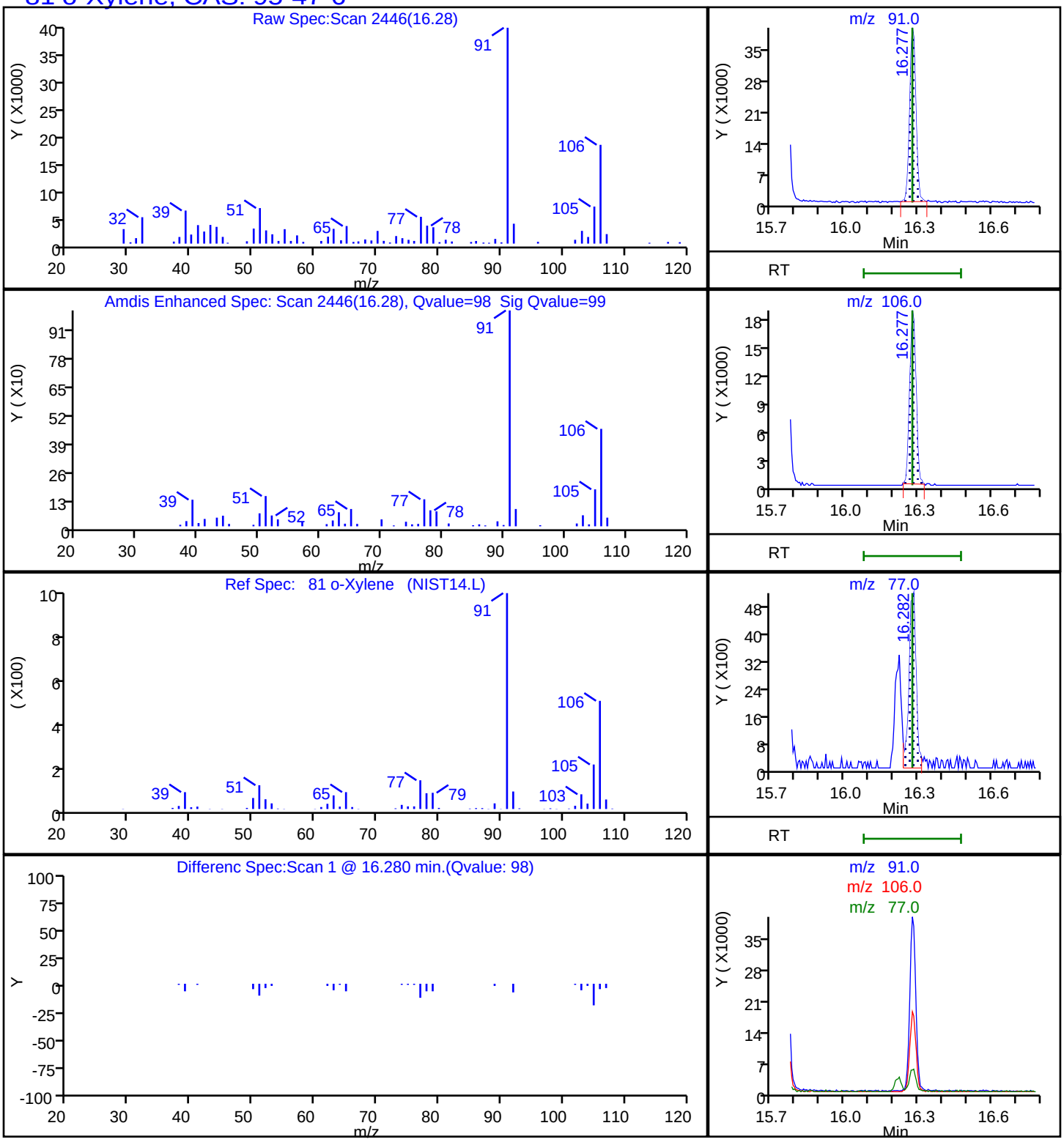
77 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D				
Injection Date:	11-Apr-2021 00:55:30	Instrument ID:	MR		
Lims ID:	140-22606-A-2	Lab Sample ID:	140-22606-2		
Client ID:	DUPE_SS_ECH_2021				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

81 o-Xylene, CAS: 95-47-6

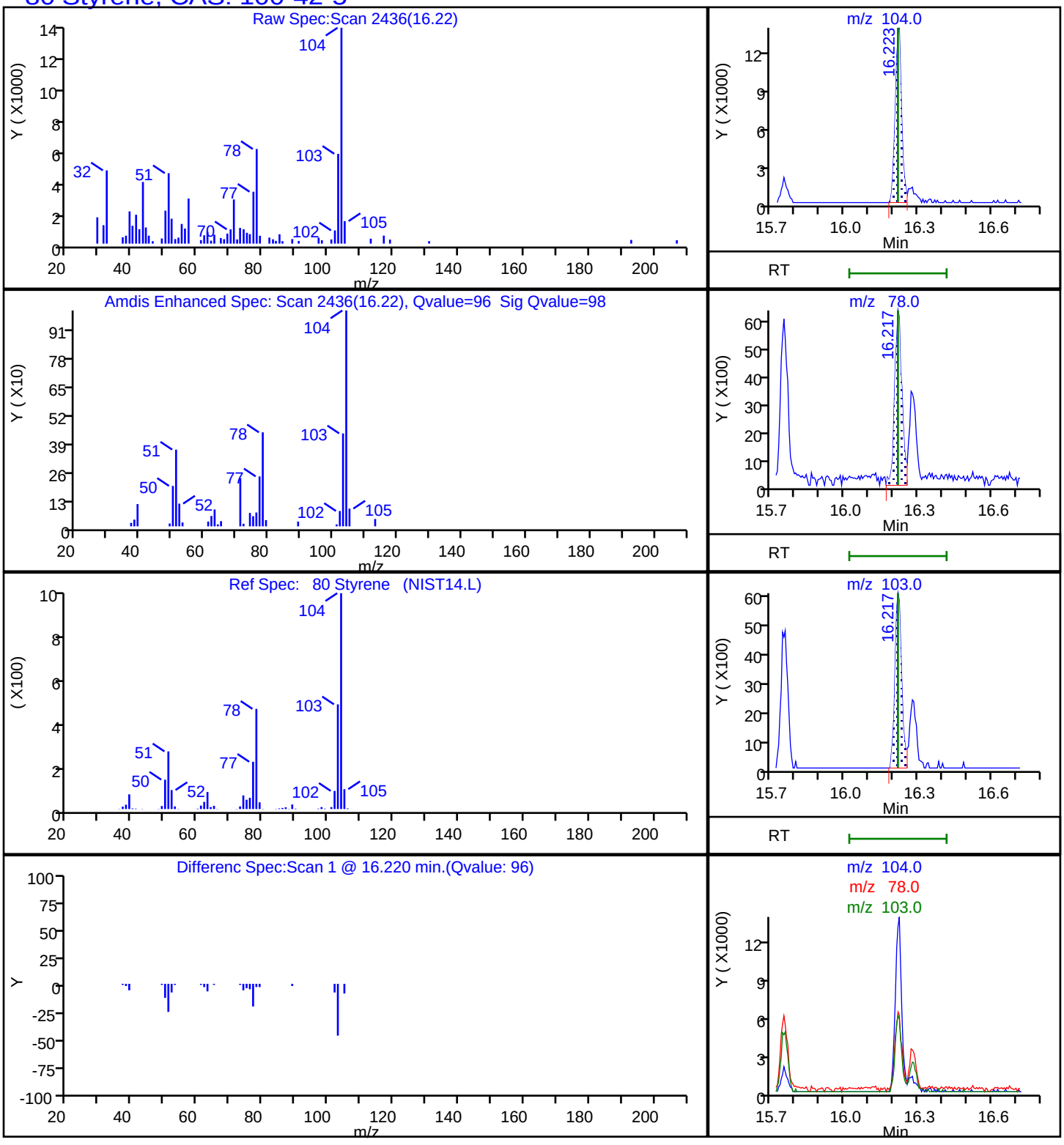


Report Date: 12-Apr-2021 11:21:22 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D		
Injection Date:	11-Apr-2021 00:55:30	Instrument ID:	MR
Lims ID:	140-22606-A-2	Lab Sample ID:	140-22606-2
Client ID:	DUPE_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 21
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

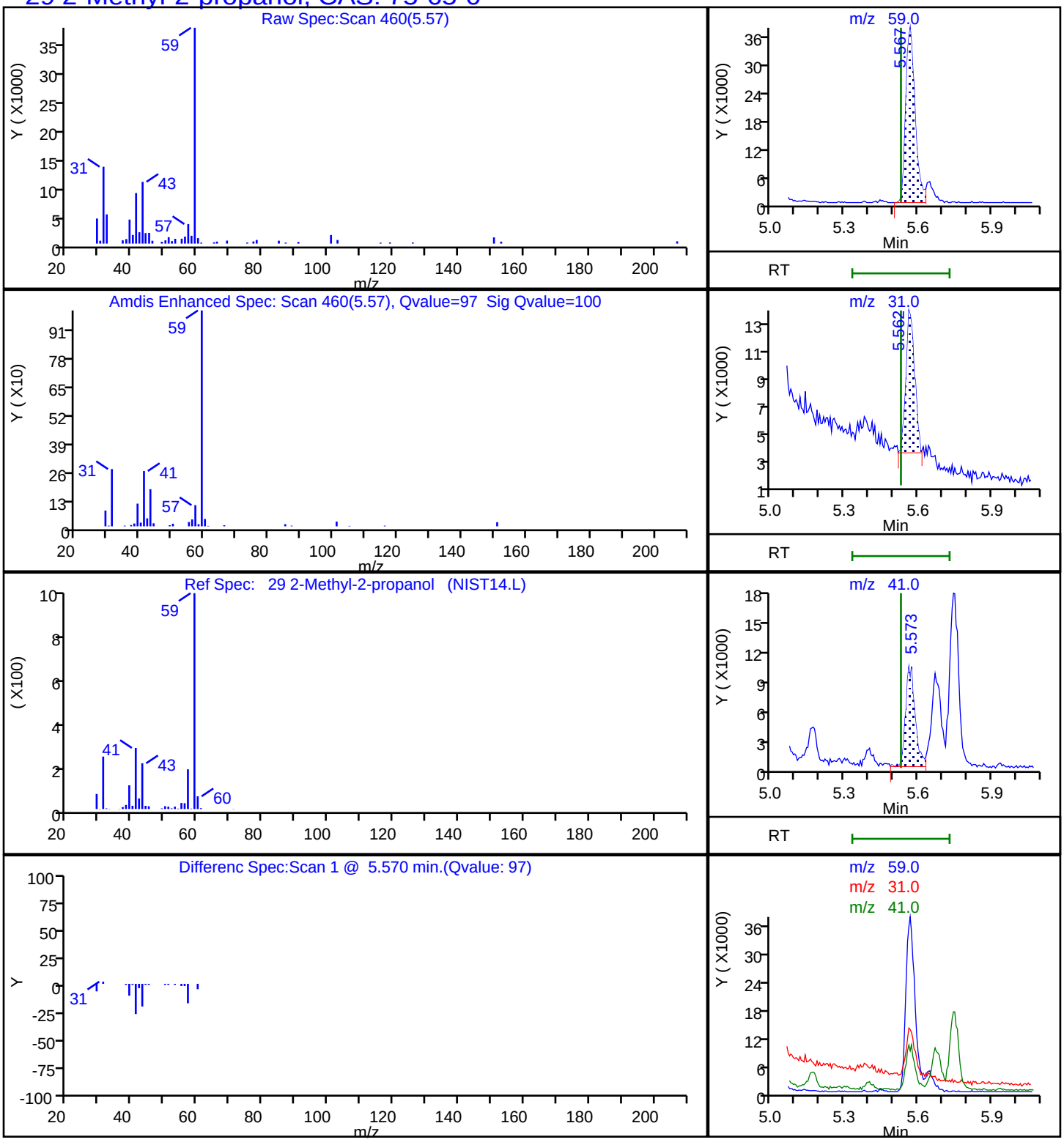
80 Styrene, CAS: 100-42-5



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D		
Injection Date:	11-Apr-2021 00:55:30	Instrument ID:	MR
Lims ID:	140-22606-A-2	Lab Sample ID:	140-22606-2
Client ID:	DUPE_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 21
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

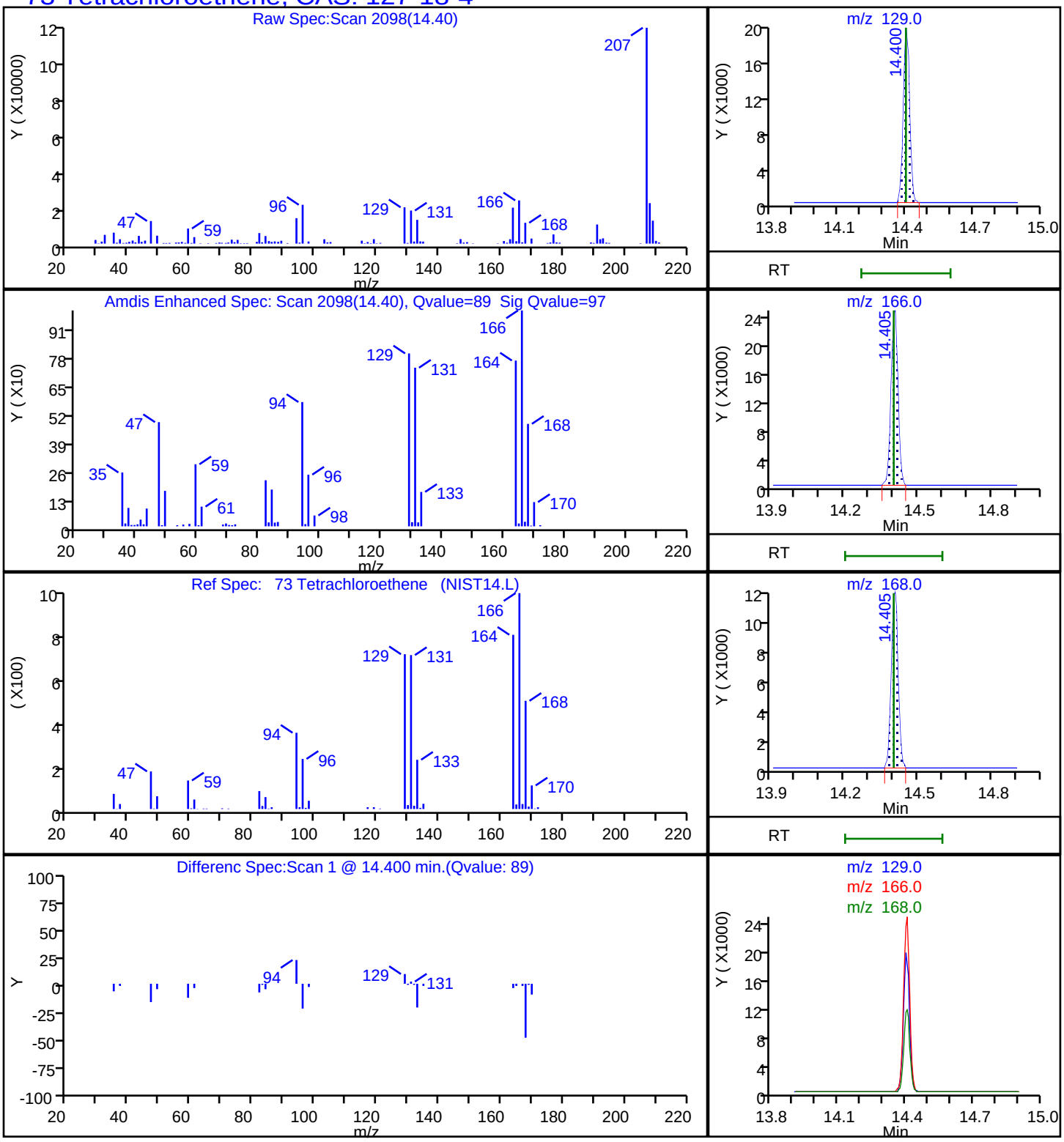
29 2-Methyl-2-propanol, CAS: 75-65-0



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D		
Injection Date:	11-Apr-2021 00:55:30	Instrument ID:	MR
Lims ID:	140-22606-A-2	Lab Sample ID:	140-22606-2
Client ID:	DUPE_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 21
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

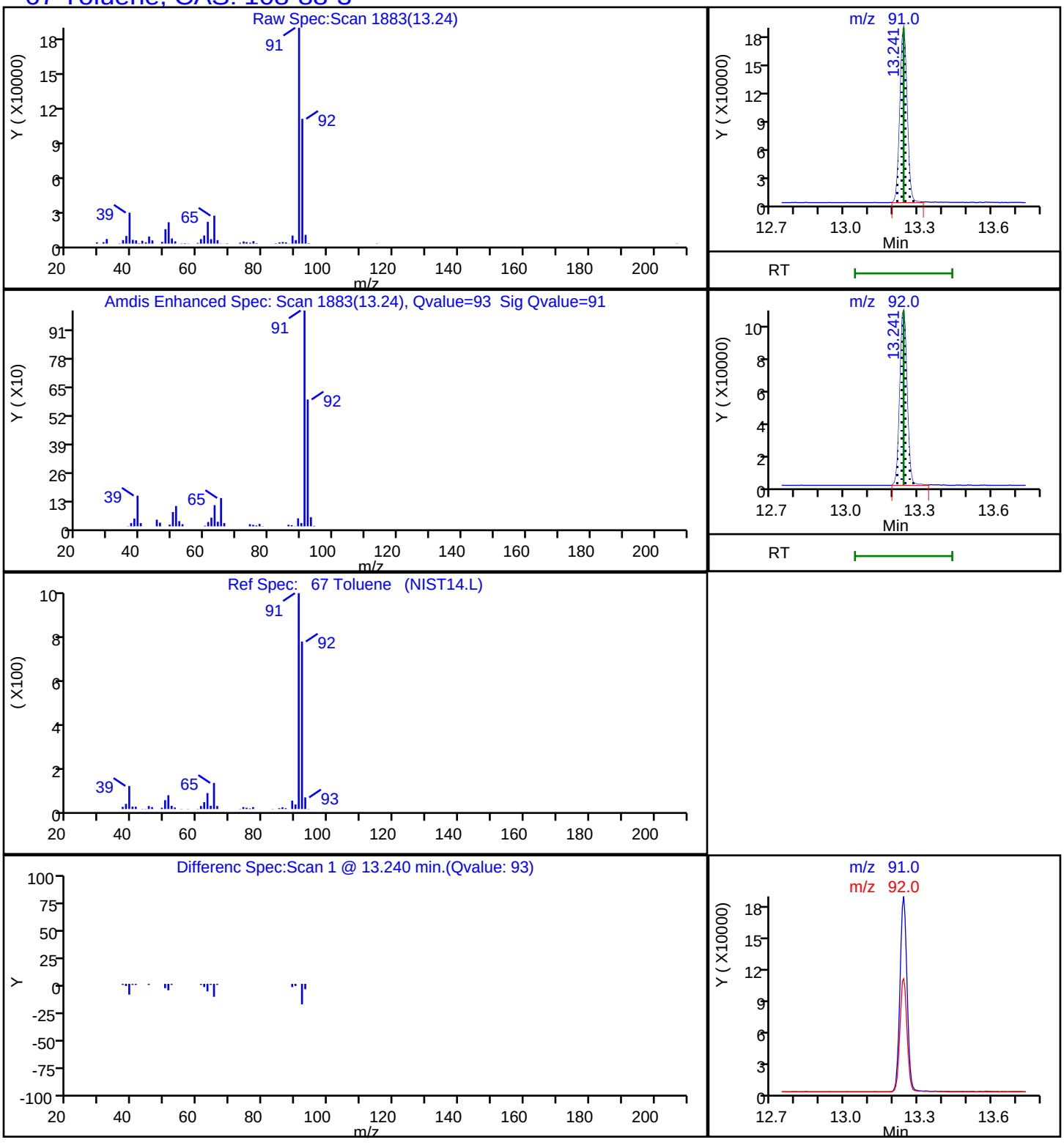
73 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D		
Injection Date:	11-Apr-2021 00:55:30	Instrument ID:	MR
Lims ID:	140-22606-A-2	Lab Sample ID:	140-22606-2
Client ID:	DUPE_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 21
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

67 Toluene, CAS: 108-88-3



Report Date: 12-Apr-2021 11:21:21 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D

Injection Date: 11-Apr-2021 00:55:30 Instrument ID: MR

Lims ID: 140-22606-A-2 Lab Sample ID: 140-22606-2

Client ID: DUPE_SS_ECH_2021

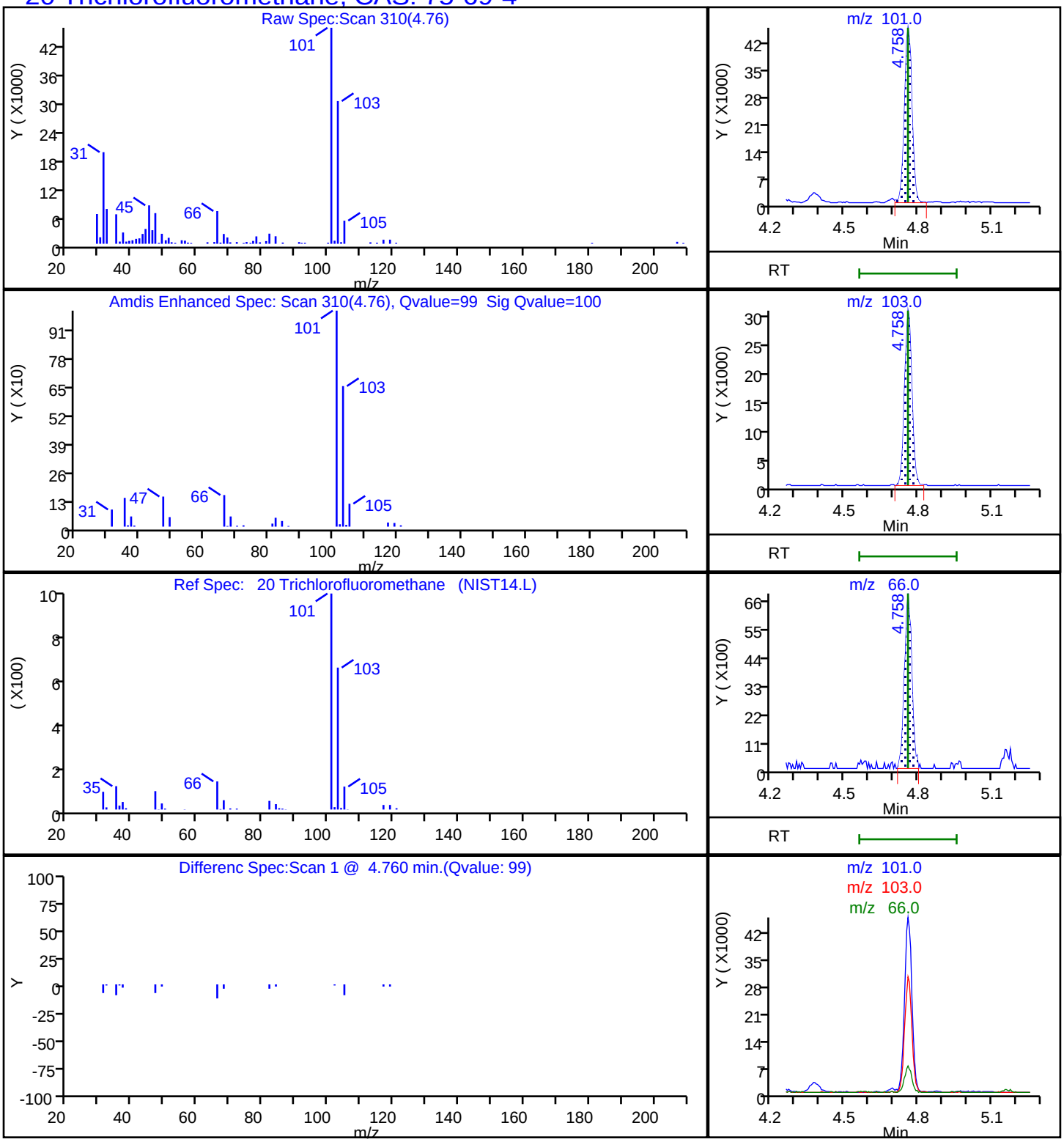
Operator ID: HMT ALS Bottle#: 14 Worklist Smp#: 21

Purge Vol: 500.000 mL Dil. Factor: 1.3400

Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

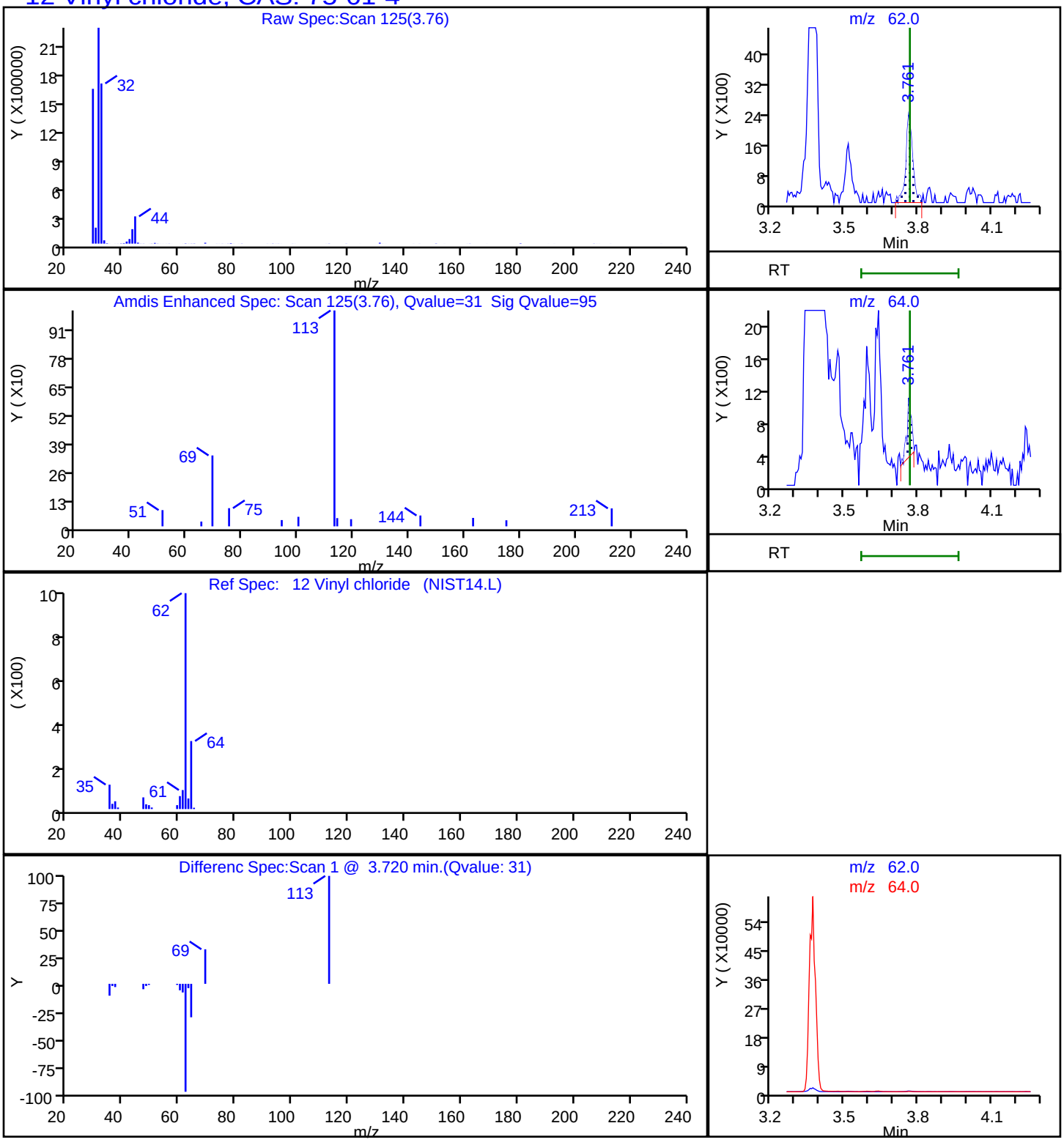
20 Trichlorofluoromethane, CAS: 75-69-4



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P114.D		
Injection Date:	11-Apr-2021 00:55:30	Instrument ID:	MR
Lims ID:	140-22606-A-2	Lab Sample ID:	140-22606-2
Client ID:	DUPE_SS_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 21
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

12 Vinyl chloride, CAS: 75-01-4



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: DUPE_SS_ECH_2021 DL Lab Sample ID: 140-22606-2 DL

Matrix: Air Lab File ID: SD12P104DL.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:17

Sample wt/vol: 30(mL) Date Analyzed: 04/13/2021 07:52

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48707 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
64-17-5	Ethanol	46.07	860	D	45	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	109		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: DUPE_SS_ECH_2021 DL Lab Sample ID: 140-22606-2 DL

Matrix: Air Lab File ID: SD12P104DL.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:17

Sample wt/vol: 30(mL) Date Analyzed: 04/13/2021 07:52

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48707 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
64-17-5	Ethanol	46.07	1600	D	84	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	109		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SD12P104DL.D
Lims ID: 140-22606-A-2
Client ID: DUPE_SS_ECH_2021
Sample Type: Client
Inject. Date: 13-Apr-2021 07:52:30 ALS Bottle#: 4 Worklist Smp#: 29
Purge Vol: 500.000 mL Dil. Factor: 1.3400
Sample Info: 140-0018849-029
Misc. Info.: 140-22606-a-2@1.34
Operator ID: HMT Instrument ID: MS

Method: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 13-Apr-2021 06:26:04 Calib Date: 22-Feb-2021 22:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1657

First Level Reviewer: tajh Date: 13-Apr-2021 08:34:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.244	9.244	0.000	95	153554	4.80	
* 2 1,4-Difluorobenzene	114	11.417	11.417	0.000	96	721943	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.087	16.087	0.000	92	595776	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.728	17.728	0.000	84	526832	5.08	
8 Dichlorodifluoromethane	85	3.881	3.881	0.000	95	3122	0.0252	
17 Ethanol	31	4.962	4.951	0.011	93	575152	38.6	
20 Trichlorofluoromethane	101	5.478	5.473	0.005	98	8115	0.0688	
29 2-Methyl-2-propanol	59	6.344	6.318	0.026	96	4597	0.0585	
31 Methylene Chloride	84	6.603	6.597	0.006	98	55076	1.19	
40 Hexane	56	8.475	8.475	0.000	68	1583	0.0388	
44 Chloroform	83	9.244	9.249	-0.006	32	781	0.007257	
51 Benzene	78	10.890	10.896	-0.006	49	13677	0.0915	
50 Cyclohexane	69	10.874	10.896	-0.022	52	4806	0.2100	
55 Isooctane	57	11.622	11.627	-0.005	1	2023	0.008019	
67 Toluene	91	14.139	14.139	-0.001	90	17661	0.1030	
73 Tetrachloroethene	129	15.269	15.269	0.000	84	2722	0.0462	
76 Ethylbenzene	91	16.410	16.410	0.000	95	3381	0.0156	
77 m-Xylene & p-Xylene	91	16.566	16.571	-0.005	98	8156	0.0480	
81 o-Xylene	91	17.098	17.104	-0.006	96	3268	0.0180	
92 1,2,4-Trimethylbenzene	105	18.879	18.879	0.000	93	4273	0.0213	

QC Flag Legend
Processing Flags

Reagents:
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

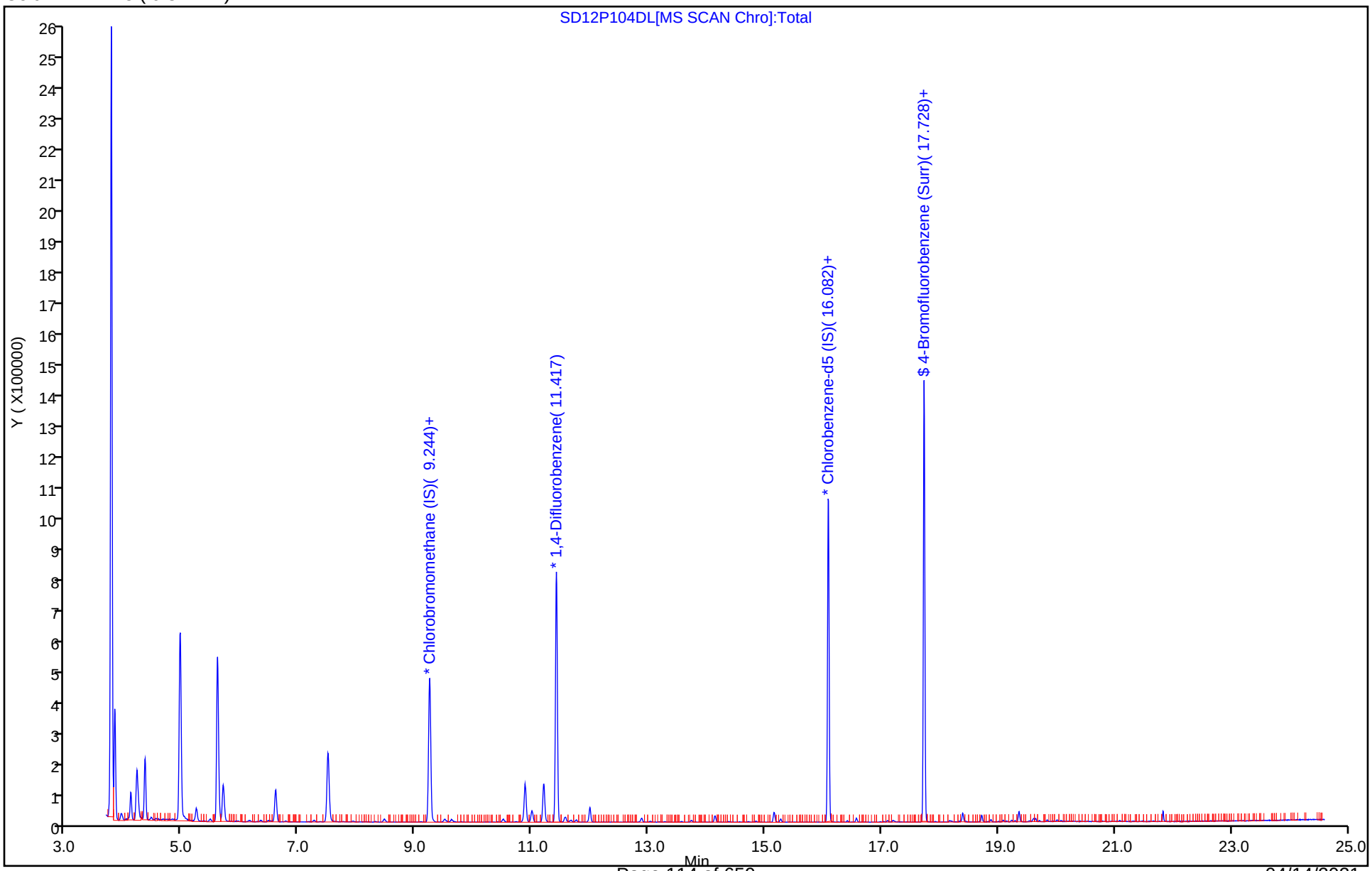
Report Date: 13-Apr-2021 08:34:13 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SD12P104DL.D

Injection Date:	13-Apr-2021 07:52:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	140-22606-A-2	Lab Sample ID:	140-22606-2	Worklist Smp#:	29
Client ID:	DUPE_SS_ECH_2021				
Purge Vol:	500.000 mL	Dil. Factor:	1.3400	ALS Bottle#:	4
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

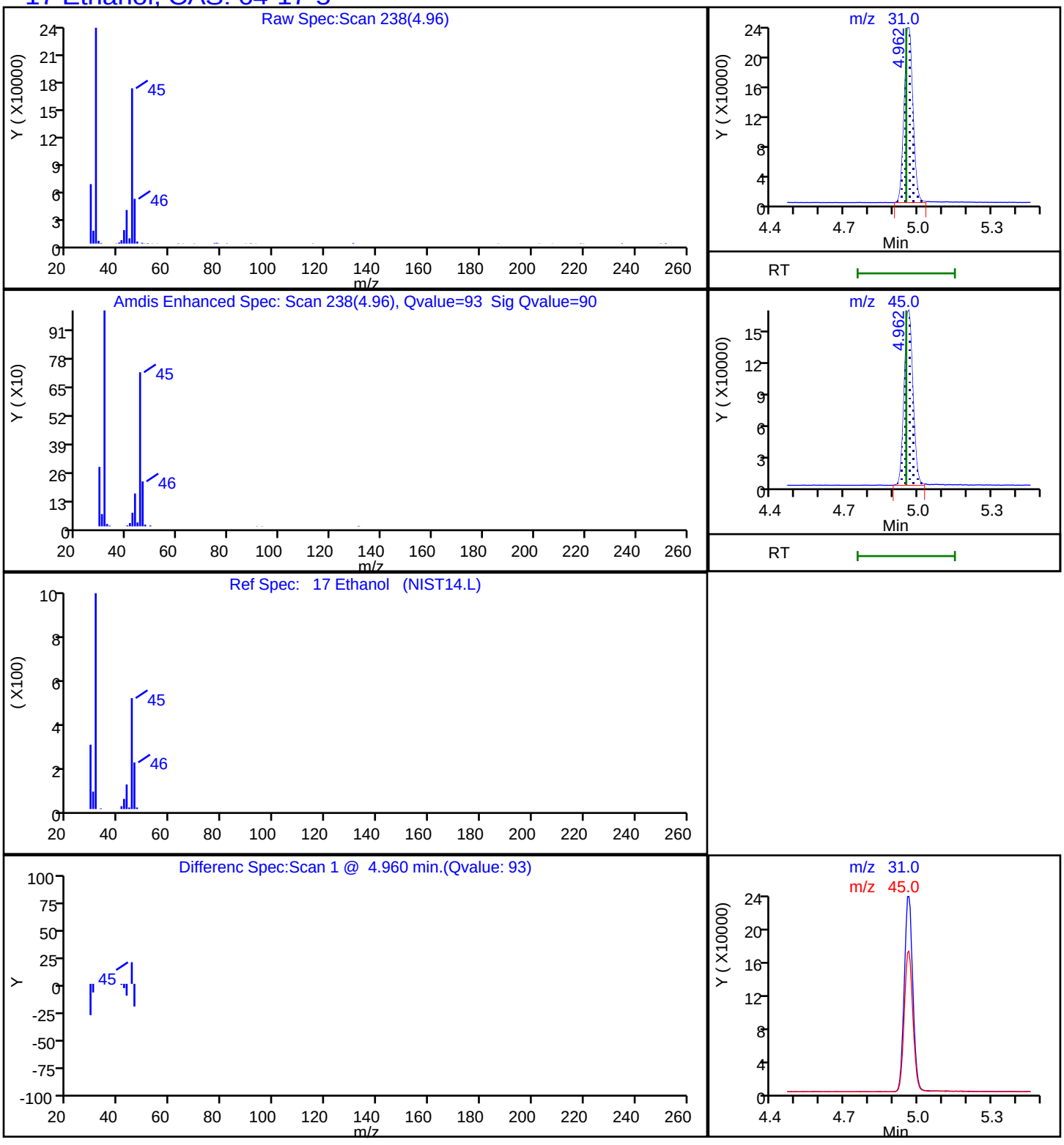
Data File:	\\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SD12P104DL.D				
Lims ID:	140-22606-A-2				
Client ID:	DUPE_SS_ECH_2021				
Sample Type:	Client				
Inject. Date:	13-Apr-2021 07:52:30	ALS Bottle#:	4	Worklist Smp#:	29
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
Sample Info:	140-0018849-029				
Misc. Info.:	140-22606-a-2@1.34				
Operator ID:	HMT	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210410-18849.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	13-Apr-2021 06:26:04	Calib Date:	22-Feb-2021 22:12:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1657				
First Level Reviewer: tajh		Date:	13-Apr-2021 08:34:12		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	5.08	109.48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SD12P104DL.D				
Injection Date:	13-Apr-2021 07:52:30	Instrument ID:	MS		
Lims ID:	140-22606-A-2	Lab Sample ID:	140-22606-2		
Client ID:	DUPE_SS_ECH_2021				
Operator ID:	HMT	ALS Bottle#:	4	Worklist Smp#:	29
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

17 Ethanol, CAS: 64-17-5



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_IA_ECH_2021 Lab Sample ID: 140-22606-3

Matrix: Air Lab File ID: RD10P115.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:16

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2021 01:43

Soil Aliquot Vol: Dilution Factor: 1.35

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.27	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.27	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.27	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.27	
75-34-3	1,1-Dichloroethane	98.96	ND		0.27	
75-35-4	1,1-Dichloroethene	96.94	ND		0.14	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.27	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.27	
106-93-4	1,2-Dibromoethane	187.87	ND		0.27	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.27	
107-06-2	1,2-Dichloroethane	98.96	ND		0.27	
78-87-5	1,2-Dichloropropane	112.99	ND		0.27	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.27	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.27	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.27	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.27	
123-91-1	1,4-Dioxane	88.11	ND		0.68	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.68	
78-93-3	2-Butanone	72.11	1.5		1.1	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.68	
71-43-2	Benzene	78.11	ND		0.27	
100-44-7	Benzyl chloride	126.58	ND		0.54	
75-27-4	Bromodichloromethane	163.83	ND		0.27	
75-25-2	Bromoform	252.75	ND		0.27	
74-83-9	Bromomethane	94.94	ND		0.27	
56-23-5	Carbon tetrachloride	153.81	ND		0.11	
108-90-7	Chlorobenzene	112.56	ND		0.27	
75-00-3	Chloroethane	64.52	ND		0.27	
67-66-3	Chloroform	119.38	ND		0.27	
74-87-3	Chloromethane	50.49	0.82		0.68	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.14	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.27	
110-82-7	Cyclohexane	84.16	ND		0.68	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_IA_ECH_2021 Lab Sample ID: 140-22606-3

Matrix: Air Lab File ID: RD10P115.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:16

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2021 01:43

Soil Aliquot Vol: Dilution Factor: 1.35

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		0.27	
75-71-8	Dichlorodifluoromethane	120.91	ND		0.27	
64-17-5	*Ethanol*	*46.07*	*1700*	*E*	*6.8*	
100-41-4	Ethylbenzene	106.17	ND		0.27	
87-68-3	Hexachlorobutadiene	260.76	ND		0.27	
110-54-3	Hexane	86.17	ND		0.68	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.54	
75-09-2	Methylene Chloride	84.93	11		1.4	
179601-23-1	m-Xylene & p-Xylene	106.17	0.54		0.27	
91-20-3	Naphthalene	128.17	ND		0.68	
95-47-6	o-Xylene	106.17	ND		0.27	
100-42-5	Styrene	104.15	ND		0.27	
75-65-0	t-Butyl alcohol	74.12	ND		1.1	
127-18-4	Tetrachloroethene	165.83	ND		0.27	
108-88-3	Toluene	92.14	1.2		0.41	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.27	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.27	
79-01-6	Trichloroethene	131.39	ND		0.12	
75-69-4	Trichlorofluoromethane	137.37	1.1		0.27	
75-01-4	Vinyl chloride	62.50	ND		0.14	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_IA_ECH_2021 Lab Sample ID: 140-22606-3

Matrix: Air Lab File ID: RD10P115.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:16

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2021 01:43

Soil Aliquot Vol: Dilution Factor: 1.35

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.5	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.9	
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.5	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		2.1	
75-34-3	1,1-Dichloroethane	98.96	ND		1.1	
75-35-4	1,1-Dichloroethene	96.94	ND		0.54	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		2.0	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		1.3	
106-93-4	1,2-Dibromoethane	187.87	ND		2.1	
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.6	
107-06-2	1,2-Dichloroethane	98.96	ND		1.1	
78-87-5	1,2-Dichloropropane	112.99	ND		1.2	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		1.9	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		1.3	
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.6	
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.6	
123-91-1	1,4-Dioxane	88.11	ND		2.4	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		3.2	
78-93-3	2-Butanone	72.11	4.4		3.2	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		2.8	
71-43-2	Benzene	78.11	ND		0.86	
100-44-7	Benzyl chloride	126.58	ND		2.8	
75-27-4	Bromodichloromethane	163.83	ND		1.8	
75-25-2	Bromoform	252.75	ND		2.8	
74-83-9	Bromomethane	94.94	ND		1.0	
56-23-5	Carbon tetrachloride	153.81	ND		0.68	
108-90-7	Chlorobenzene	112.56	ND		1.2	
75-00-3	Chloroethane	64.52	ND		0.71	
67-66-3	Chloroform	119.38	ND		1.3	
74-87-3	Chloromethane	50.49	1.7		1.4	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.54	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		1.2	
110-82-7	Cyclohexane	84.16	ND		2.3	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_IA_ECH_2021 Lab Sample ID: 140-22606-3

Matrix: Air Lab File ID: RD10P115.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:16

Sample wt/vol: 200(mL) Date Analyzed: 04/11/2021 01:43

Soil Aliquot Vol: Dilution Factor: 1.35

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		2.3	
75-71-8	Dichlorodifluoromethane	120.91	ND		1.3	
64-17-5	*Ethanol*	*46.07*	*3300*	*E*	*13*	
100-41-4	Ethylbenzene	106.17	ND		1.2	
87-68-3	Hexachlorobutadiene	260.76	ND		2.9	
110-54-3	Hexane	86.17	ND		2.4	
1634-04-4	Methyl tert-butyl ether	88.15	ND		1.9	
75-09-2	Methylene Chloride	84.93	38		4.7	
179601-23-1	m-Xylene & p-Xylene	106.17	2.3		1.2	
91-20-3	Naphthalene	128.17	ND		3.5	
95-47-6	o-Xylene	106.17	ND		1.2	
100-42-5	Styrene	104.15	ND		1.2	
75-65-0	t-Butyl alcohol	74.12	ND		3.3	
127-18-4	Tetrachloroethene	165.83	ND		1.8	
108-88-3	Toluene	92.14	4.4		1.5	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		1.1	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		1.2	
79-01-6	Trichloroethene	131.39	ND		0.65	
75-69-4	Trichlorofluoromethane	137.37	6.3		1.5	
75-01-4	Vinyl chloride	62.50	ND		0.35	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P115.D
Lims ID: 140-22606-A-3
Client ID: H1_IA_ECH_2021
Sample Type: Client
Inject. Date: 11-Apr-2021 01:43:30 ALS Bottle#: 15 Worklist Smp#: 22
Purge Vol: 500.000 mL Dil. Factor: 1.3500
Sample Info: 140-0018816-022
Misc. Info.: 140-22606-a-3@1.35
Operator ID: HMT Instrument ID: MR

Method: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Apr-2021 11:16:09 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: tajh Date: 12-Apr-2021 11:14:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.188	8.188	0.000	93	321243	4.80	
* 2 1,4-Difluorobenzene	114	10.388	10.393	-0.005	97	1656505	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.236	15.241	-0.005	93	1300605	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.897	16.896	0.001	85	862693	4.55	
8 Dichlorodifluoromethane	85	3.453	3.453	0.000	98	10482	0.0701	
9 Chloromethane	52	3.615	3.615	0.000	99	9553	0.2443	
16 Chloroethane	64	4.246	4.251	-0.005	19	941	0.0198	
17 Ethanol	31	4.386	4.348	0.038	94	18730309	516.7	E
20 Trichlorofluoromethane	101	4.758	4.758	0.000	99	84980	0.3336	
29 2-Methyl-2-propanol	59	5.573	5.529	0.044	95	57783	0.2828	
30 112TCTFE	101	5.578	5.583	-0.005	82	5197	0.0237	
31 Methylene Chloride	84	5.745	5.740	0.005	96	290698	3.27	
39 2-Butanone (MEK)	72	7.465	7.454	0.011	98	21715	0.4380	
40 Hexane	56	7.482	7.481	0.001	44	3849	0.0390	
42 cis-1,2-Dichloroethene	96	7.864	7.864	0.000	81	1507	0.0139	
44 Chloroform	83	8.204	8.204	0.000	27	11304	0.0516	
48 1,2-Dichloroethane	62	9.315	9.315	0.000	94	11583	0.0734	
50 Cyclohexane	69	9.811	9.811	0.000	63	3494	0.0718	
51 Benzene	78	9.811	9.811	0.000	97	18741	0.0600	
52 Carbon tetrachloride	117	9.843	9.832	0.011	30	4702	0.0234	
55 Isooctane	57	10.614	10.625	-0.011	80	10090	0.0163	
57 1,2-Dichloropropane	63	11.084	11.083	0.001	57	1839	0.0120	
58 Trichloroethene	130	11.138	11.132	0.006	54	856	0.006232	
67 Toluene	91	13.235	13.240	-0.005	92	122991	0.3451	
73 Tetrachloroethene	129	14.405	14.400	0.005	83	5757	0.0456	
74 Chlorobenzene	112	15.284	15.290	-0.006	75	2047	0.007755	
76 Ethylbenzene	91	15.586	15.586	0.000	98	26974	0.0600	
77 m-Xylene & p-Xylene	91	15.748	15.753	-0.005	98	55504	0.1599	
80 Styrene	104	16.217	16.217	0.000	97	14423	0.0633	
81 o-Xylene	91	16.276	16.276	0.000	97	23423	0.0672	
92 1,2,4-Trimethylbenzene	105	18.115	18.115	0.000	97	13723	0.0350	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
96 1,4-Dichlorobenzene	146	18.477	18.476	0.001	89	9472	0.0401	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

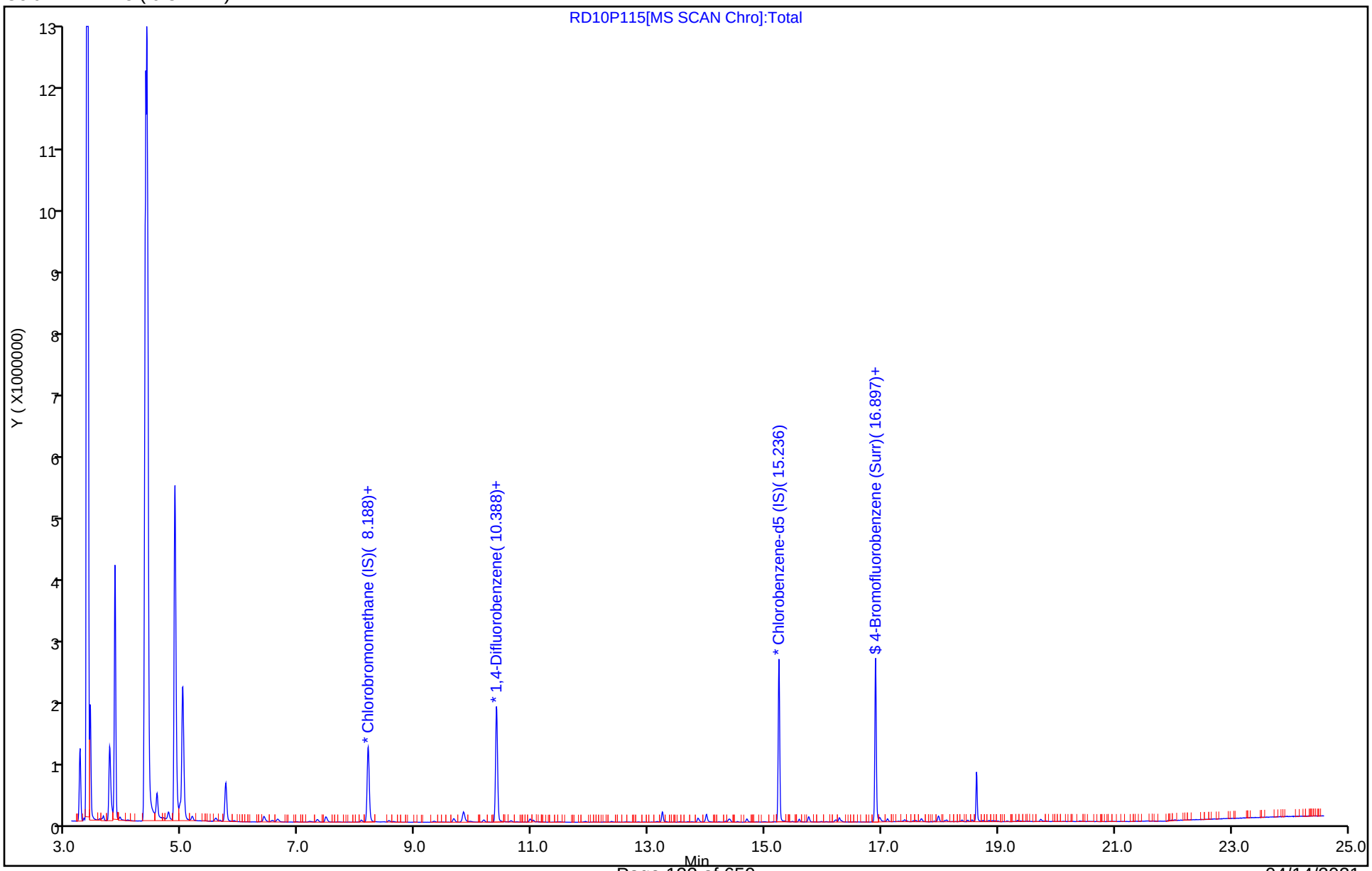
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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P115.D

Injection Date:	11-Apr-2021 01:43:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-22606-A-3	Lab Sample ID:	140-22606-3	Worklist Smp#:	22
Client ID:	H1_IA_ECH_2021				
Purge Vol:	500.000 mL	Dil. Factor:	1.3500	ALS Bottle#:	15
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P115.D				
Lims ID:	140-22606-A-3				
Client ID:	H1_IA_ECH_2021				
Sample Type:	Client				
Inject. Date:	11-Apr-2021 01:43:30	ALS Bottle#:	15	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	1.3500		
Sample Info:	140-0018816-022				
Misc. Info.:	140-22606-a-3@1.35				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Apr-2021 11:16:09	Calib Date:	17-Feb-2021 20:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1601				
First Level Reviewer: tajh		Date:	12-Apr-2021 11:14:14		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.55	97.98

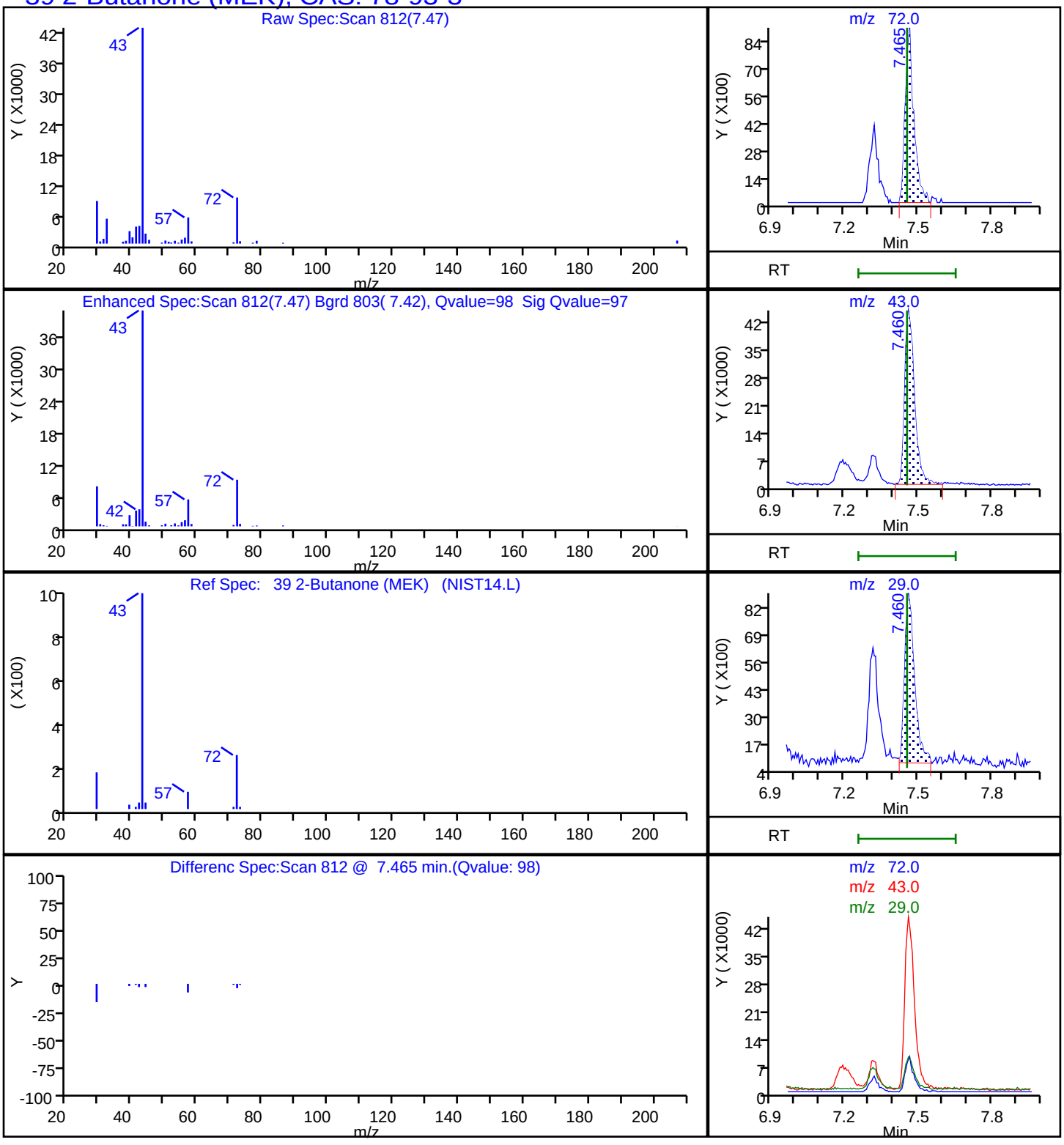
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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P115.D

Injection Date:	11-Apr-2021 01:43:30	Instrument ID:	MR
Lims ID:	140-22606-A-3	Lab Sample ID:	140-22606-3
Client ID:	H1_IA_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	1.3500
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

39 2-Butanone (MEK), CAS: 78-93-3

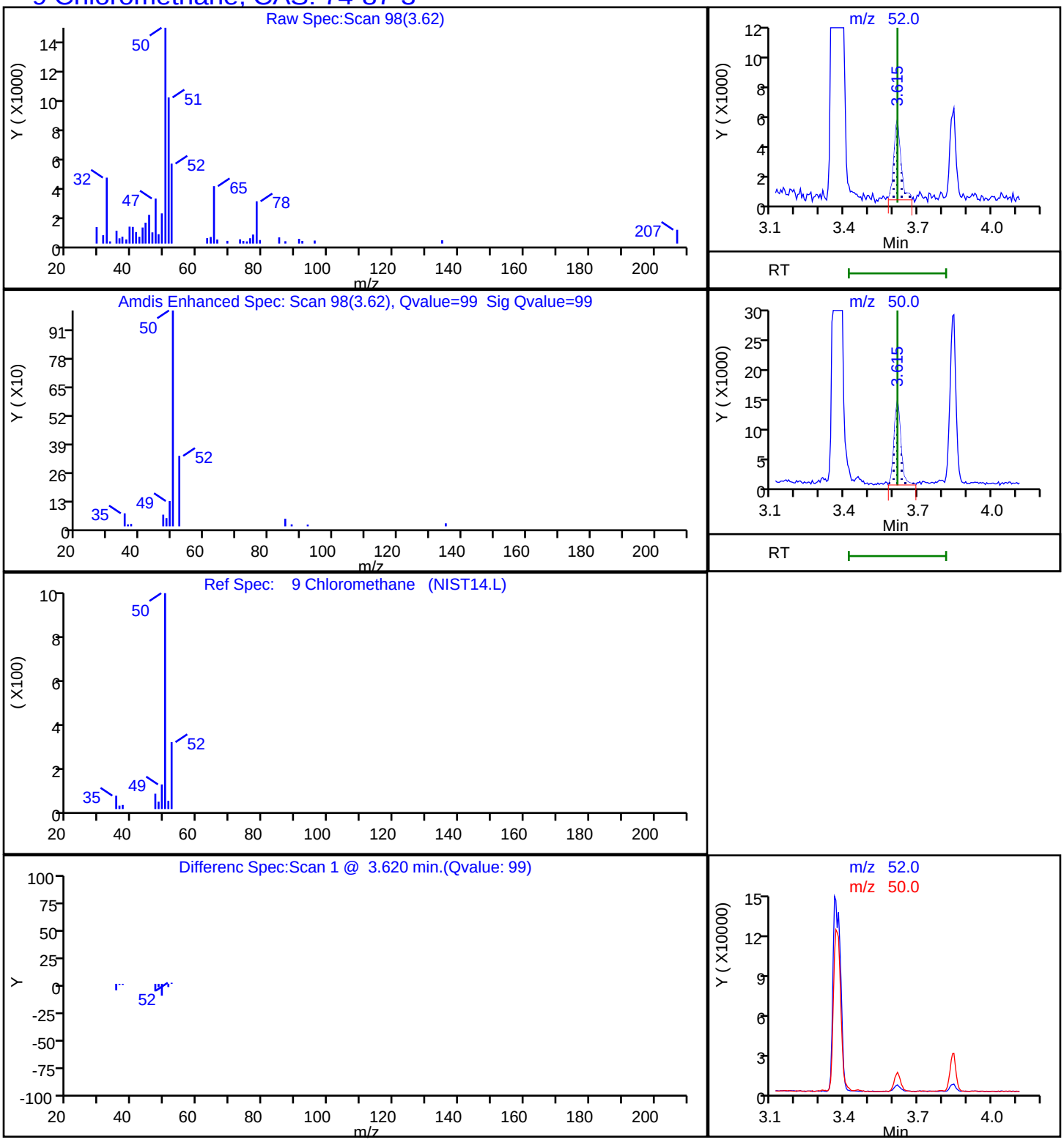


Report Date: 12-Apr-2021 11:21:23 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P115.D		
Injection Date:	11-Apr-2021 01:43:30	Instrument ID:	MR
Lims ID:	140-22606-A-3	Lab Sample ID:	140-22606-3
Client ID:	H1_IA_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	1.3500
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

9 Chloromethane, CAS: 74-87-3

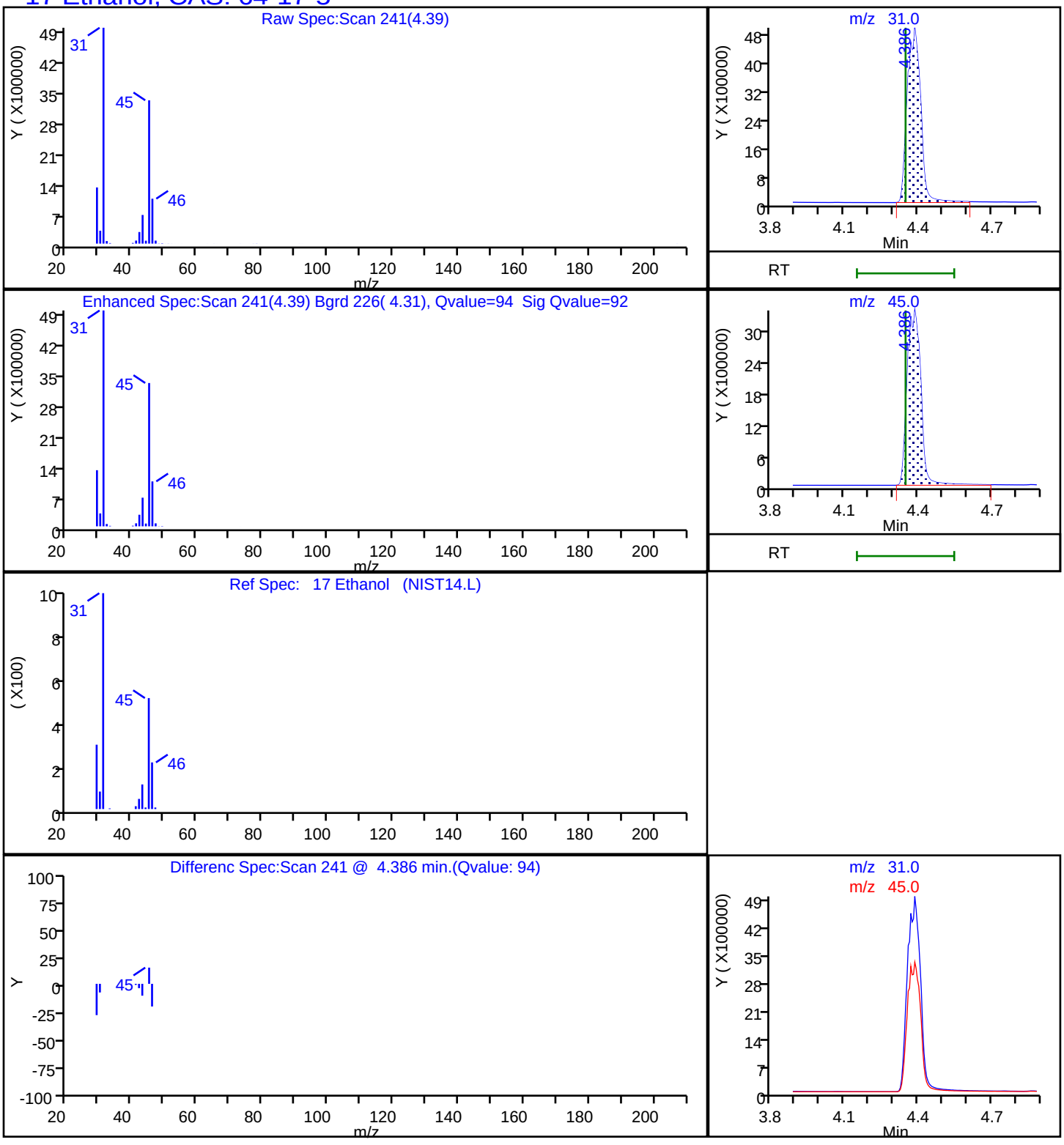


Report Date: 12-Apr-2021 11:21:23 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P115.D		
Injection Date:	11-Apr-2021 01:43:30	Instrument ID:	MR
Lims ID:	140-22606-A-3	Lab Sample ID:	140-22606-3
Client ID:	H1_IA_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	1.3500
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

17 Ethanol, CAS: 64-17-5

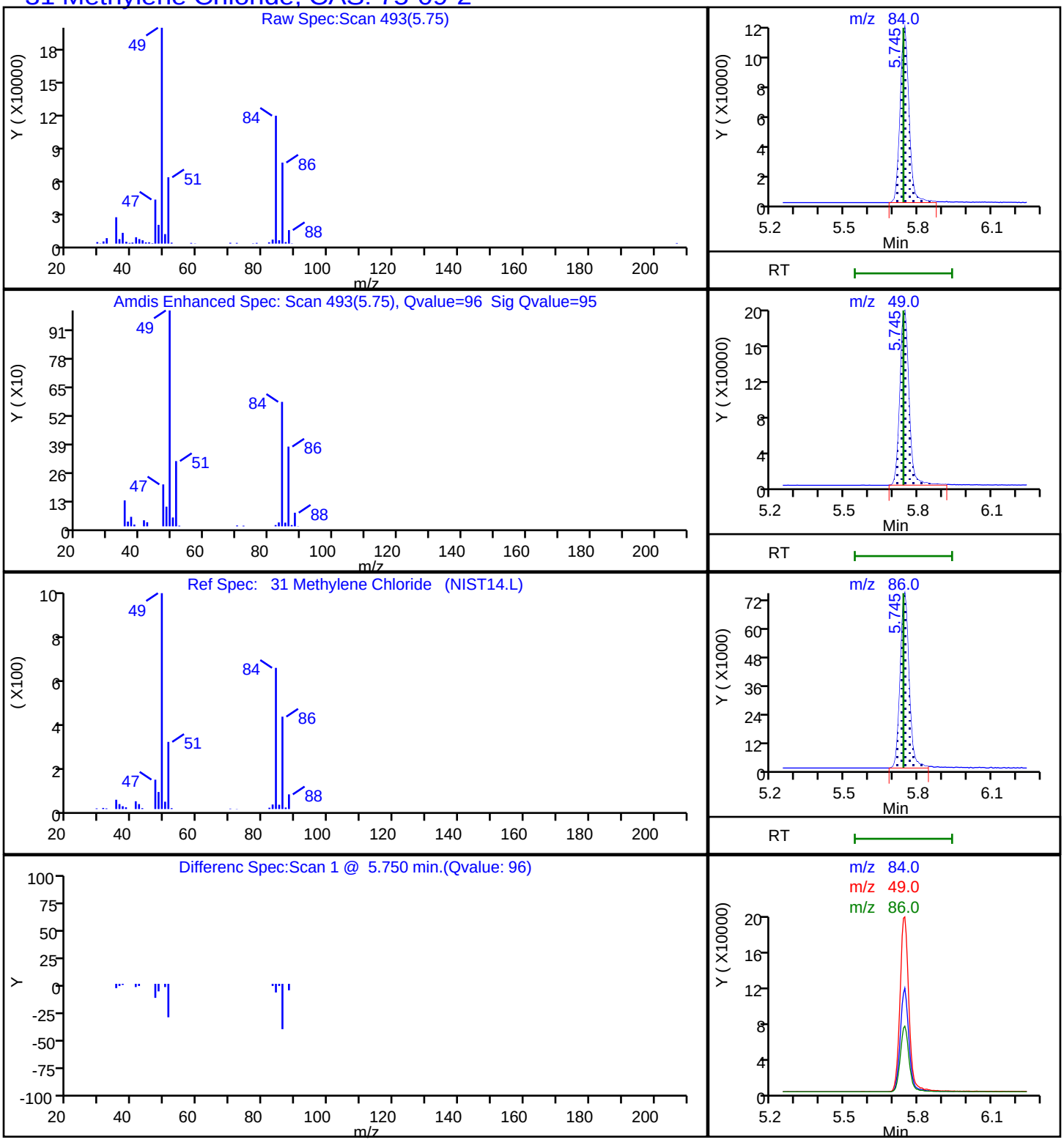


Report Date: 12-Apr-2021 11:21:24 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P115.D		
Injection Date:	11-Apr-2021 01:43:30	Instrument ID:	MR
Lims ID:	140-22606-A-3	Lab Sample ID:	140-22606-3
Client ID:	H1_IA_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	1.3500
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

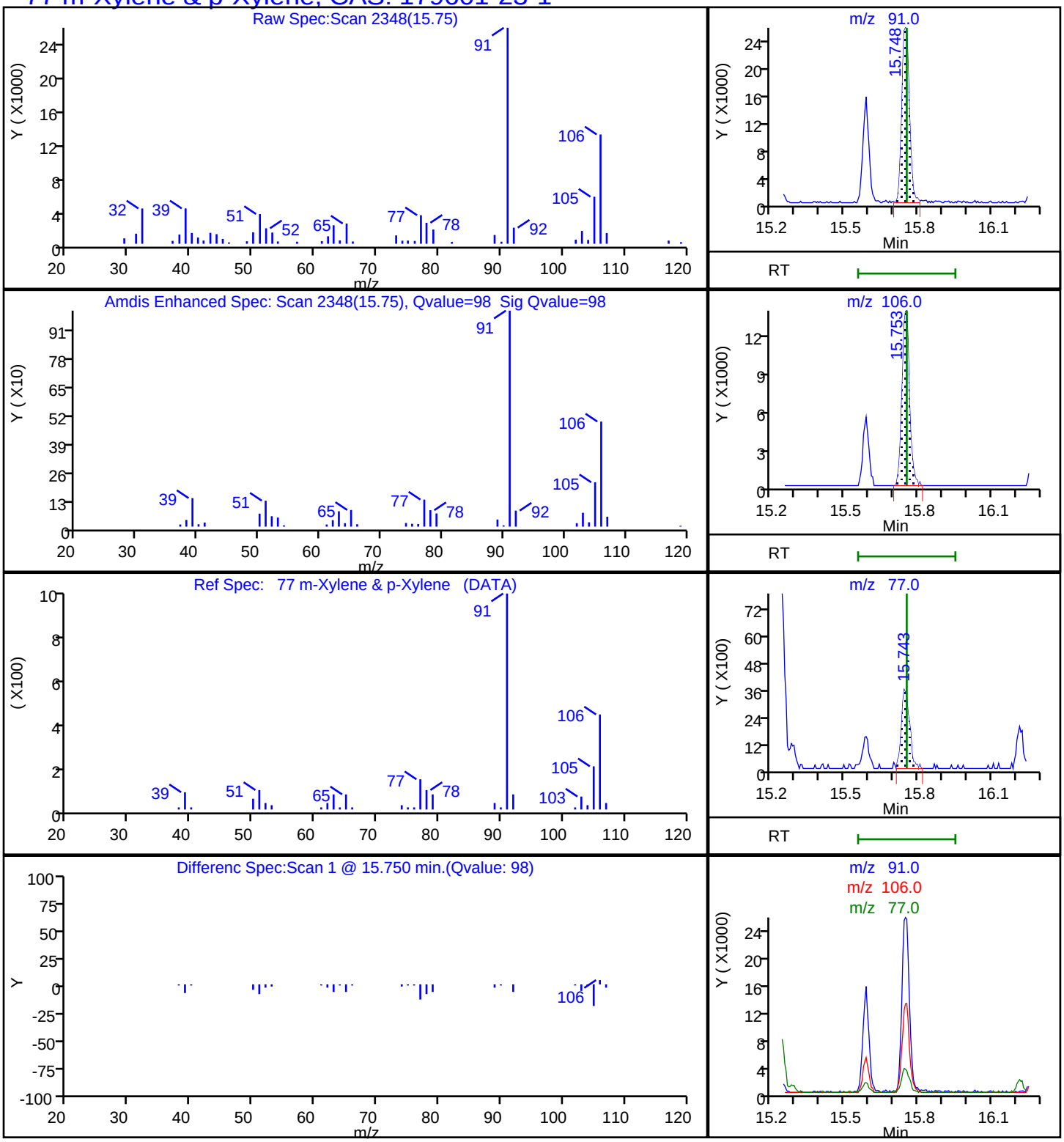
31 Methylene Chloride, CAS: 75-09-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P115.D		
Injection Date:	11-Apr-2021 01:43:30	Instrument ID:	MR
Lims ID:	140-22606-A-3	Lab Sample ID:	140-22606-3
Client ID:	H1_IA_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	1.3500
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

77 m-Xylene & p-Xylene, CAS: 179601-23-1

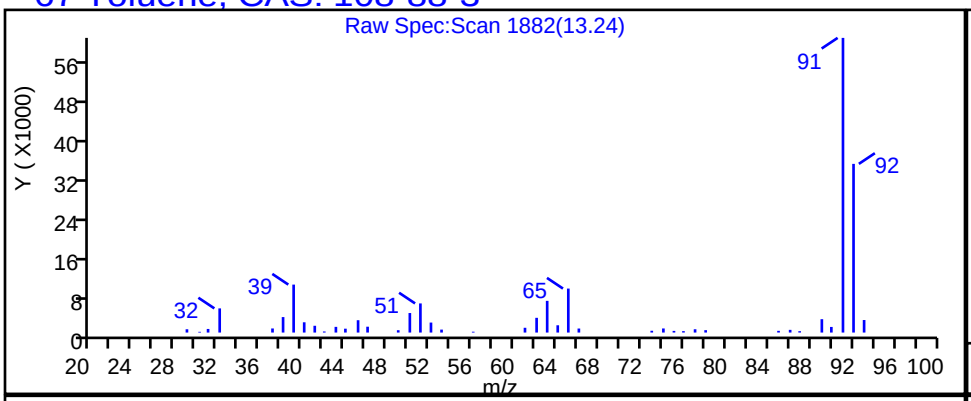


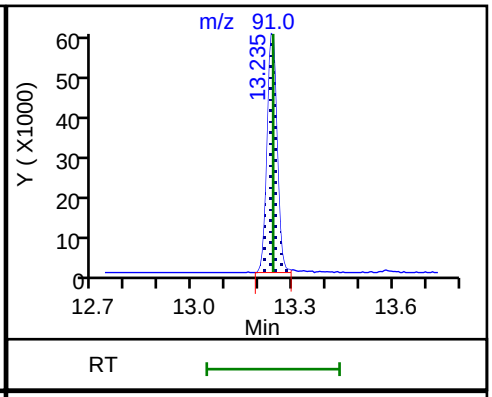
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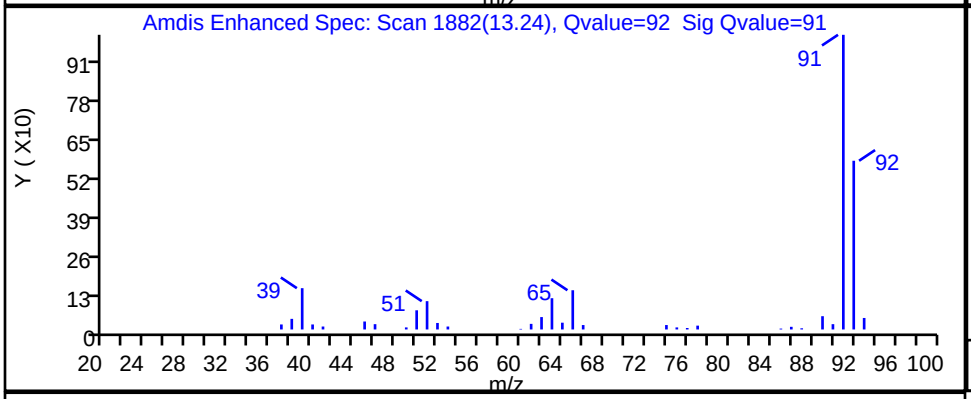
Eurofins TestAmerica, Knoxville

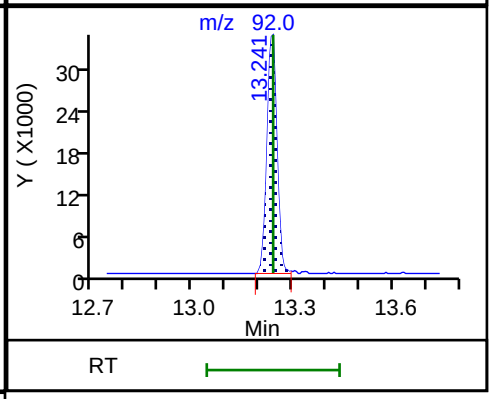
Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P115.D		
Injection Date:	11-Apr-2021 01:43:30	Instrument ID:	MR
Lims ID:	140-22606-A-3	Lab Sample ID:	140-22606-3
Client ID:	H1_IA_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	1.3500
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

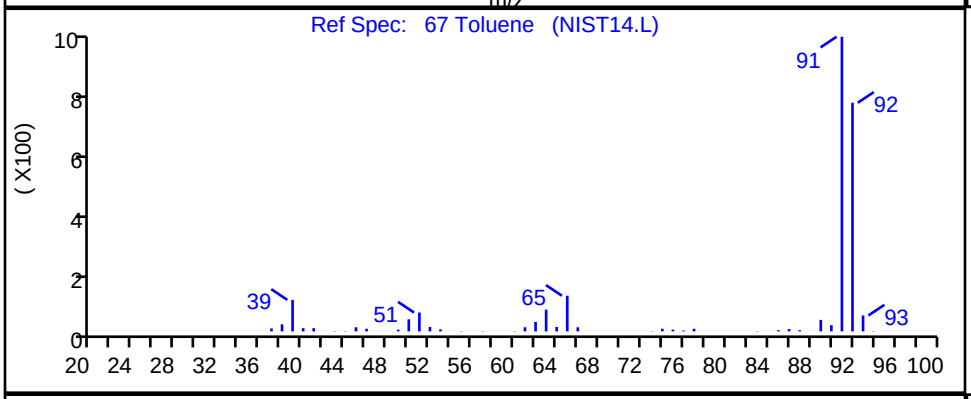
67 Toluene, CAS: 108-88-3

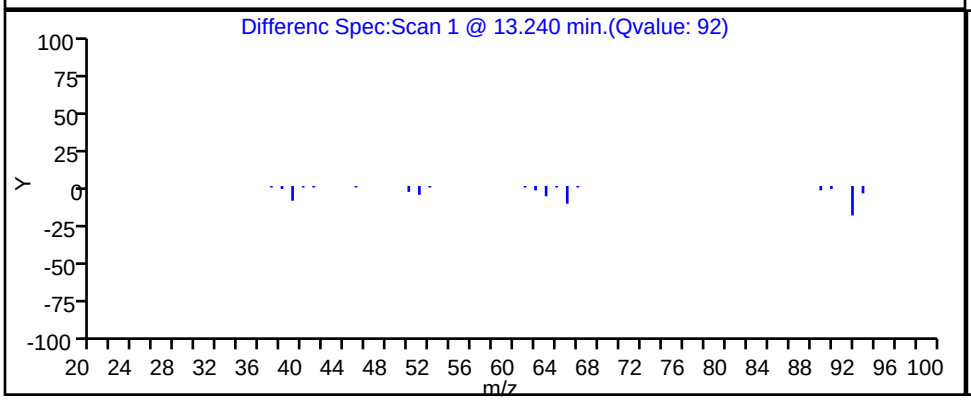


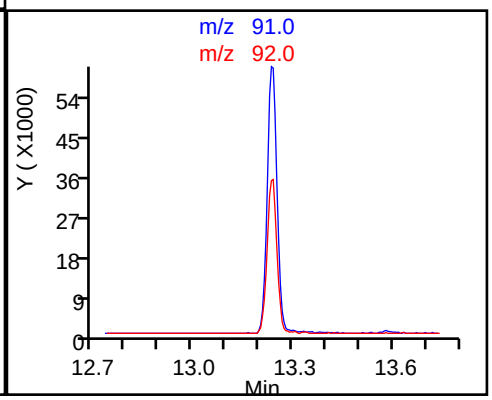








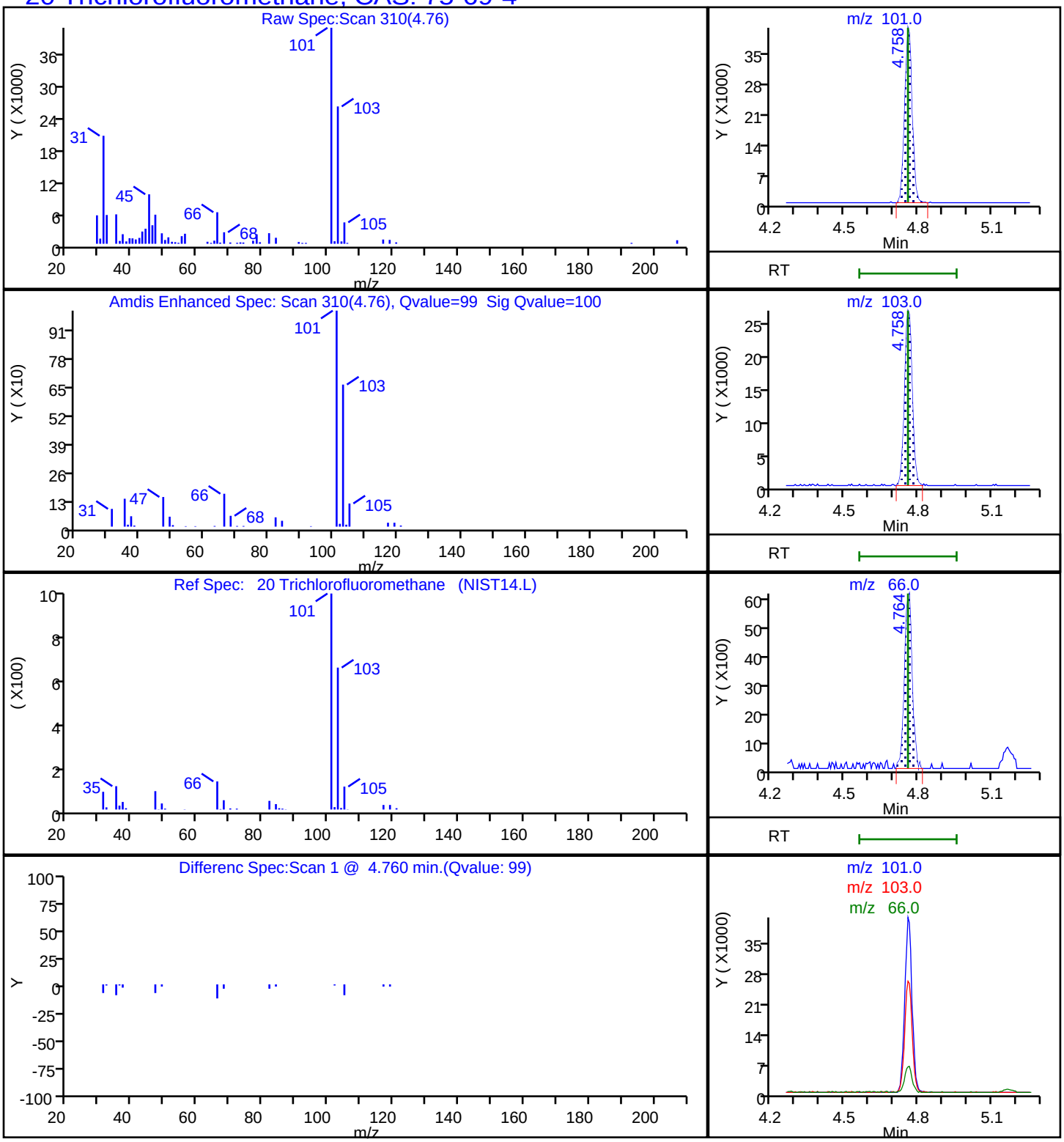




Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P115.D		
Injection Date:	11-Apr-2021 01:43:30	Instrument ID:	MR
Lims ID:	140-22606-A-3	Lab Sample ID:	140-22606-3
Client ID:	H1_IA_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	15 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	1.3500
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

20 Trichlorofluoromethane, CAS: 75-69-4



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_IA_ECH_2021 DL Lab Sample ID: 140-22606-3 DL

Matrix: Air Lab File ID: RD13P104.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:16

Sample wt/vol: 20(mL) Date Analyzed: 04/13/2021 20:20

Soil Aliquot Vol: Dilution Factor: 1.35

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48724 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
64-17-5	Ethanol	46.07	1400	D	68	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_IA_ECH_2021 DL Lab Sample ID: 140-22606-3 DL

Matrix: Air Lab File ID: RD13P104.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:16

Sample wt/vol: 20(mL) Date Analyzed: 04/13/2021 20:20

Soil Aliquot Vol: Dilution Factor: 1.35

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48724 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
64-17-5	Ethanol	46.07	2700	D	130	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20210412-18858.b\RD13P104.D				
Lims ID:	140-22606-A-3				
Client ID:	H1_IA_ECH_2021				
Sample Type:	Client				
Inject. Date:	13-Apr-2021 20:20:30	ALS Bottle#:	4	Worklist Smp#:	13
Purge Vol:	500.000 mL	Dil. Factor:	1.3500		
Sample Info:	140-0018858-013				
Misc. Info.:	140-22606-a-3@1.35				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210412-18858.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	14-Apr-2021 10:00:45	Calib Date:	17-Feb-2021 20:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1682				
First Level Reviewer: tajh		Date:	14-Apr-2021 08:40:56		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.177	8.183	-0.006	97	412110	4.80	
* 2 1,4-Difluorobenzene	114	10.383	10.388	-0.005	96	2217824	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.231	15.231	0.000	90	1715476	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.891	16.891	0.000	87	1109783	4.43	
8 Dichlorodifluoromethane	85	3.448	3.454	-0.006	94	3128	0.0163	
17 Ethanol	31	4.354	4.349	0.005	88	1979481	42.6	
20 Trichlorofluoromethane	101	4.759	4.759	0.000	98	13058	0.0400	
29 2-Methyl-2-propanol	59	5.600	5.519	0.081	81	8151	0.0311	
44 Chloroform	83	8.193	8.199	-0.006	32	2014	0.007162	
51 Benzene	78	9.800	9.800	0.000	61	3664	0.008768	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

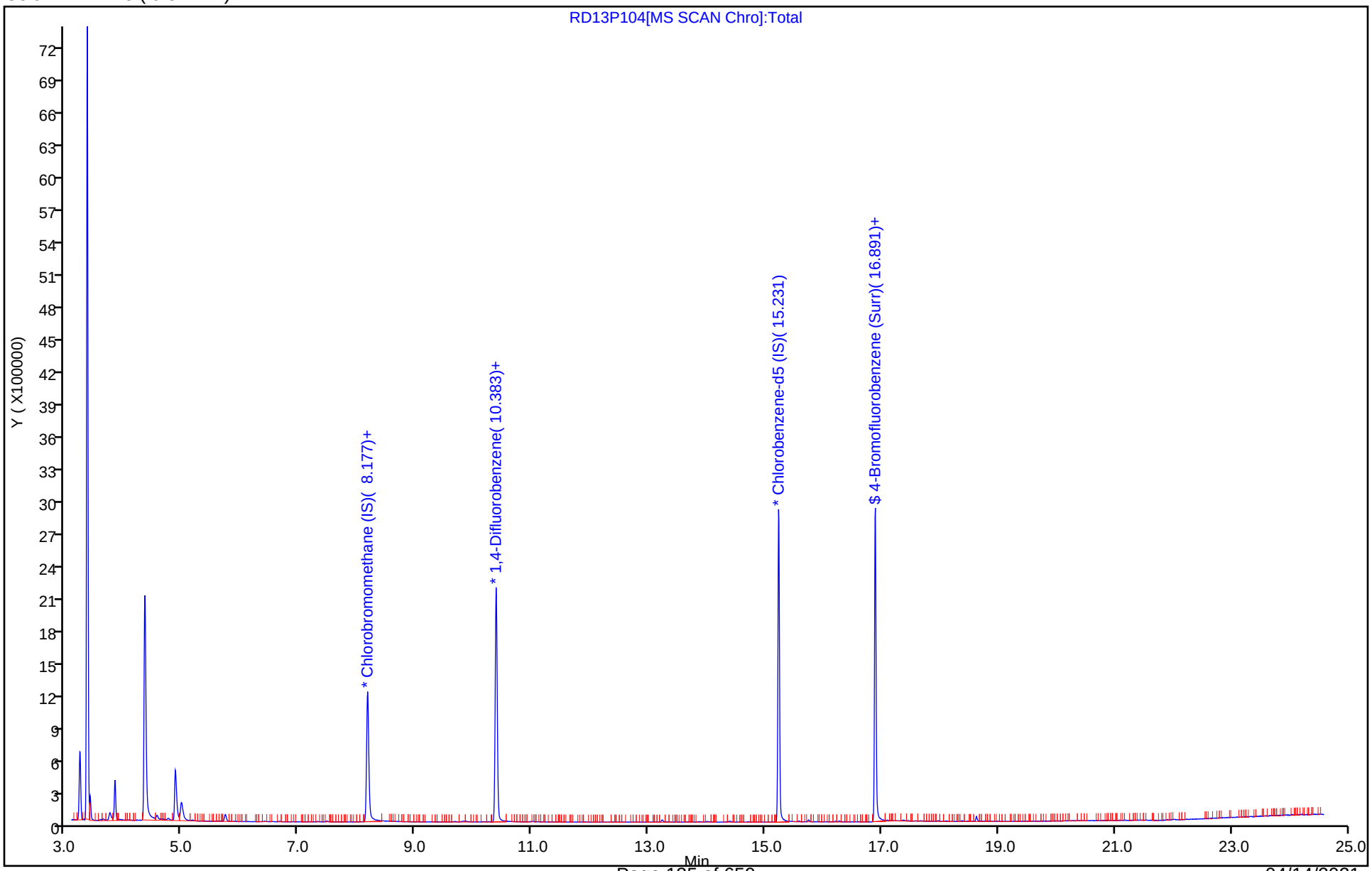
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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210412-18858.b\RD13P104.D

Injection Date:	13-Apr-2021 20:20:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-22606-A-3	Lab Sample ID:	140-22606-3	Worklist Smp#:	13
Client ID:	H1_IA_ECH_2021				
Purge Vol:	500.000 mL	Dil. Factor:	1.3500	ALS Bottle#:	4
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

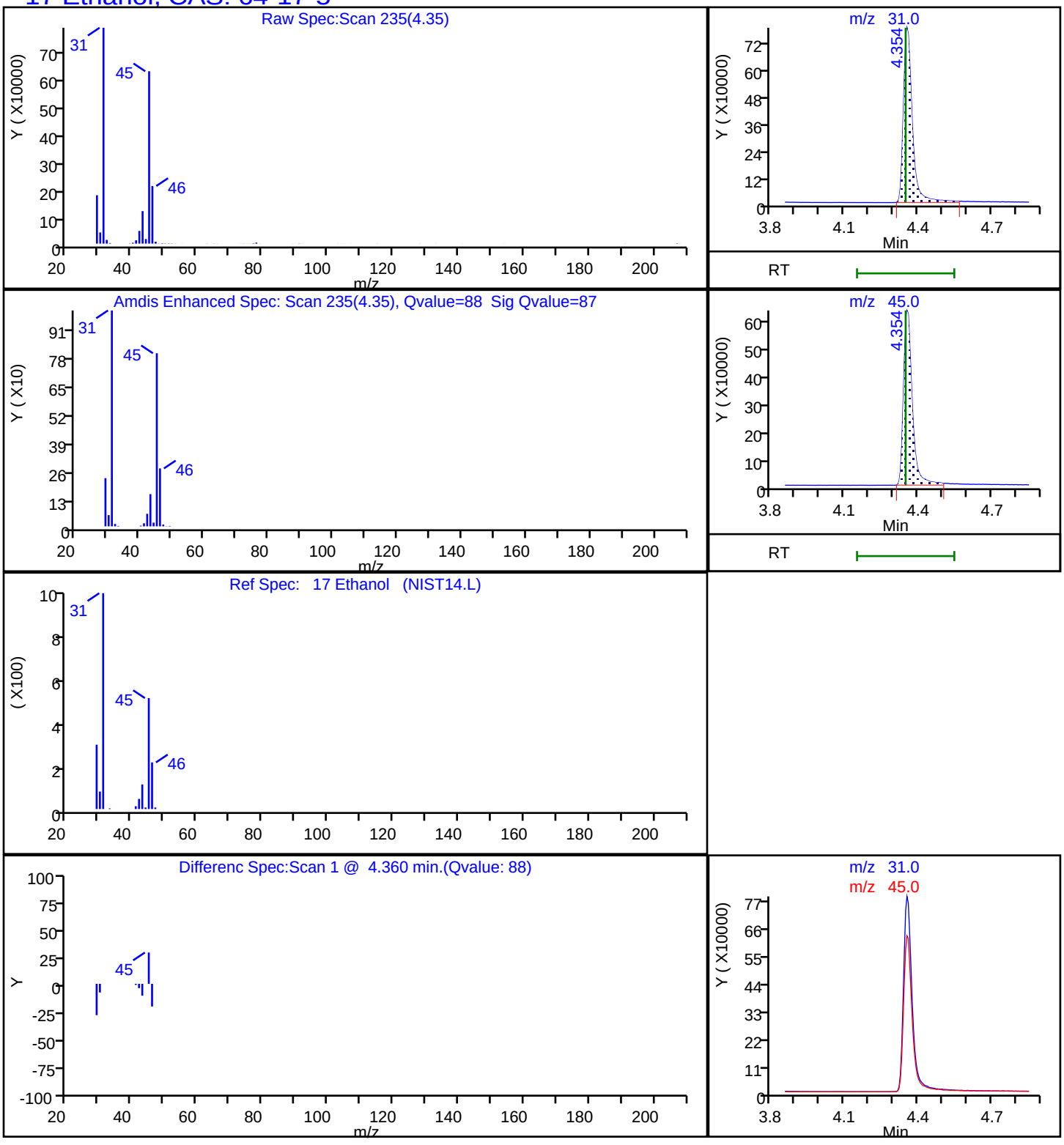
Data File:	\\chromfs\Knoxville\ChromData\MR\20210412-18858.b\RD13P104.D				
Lims ID:	140-22606-A-3				
Client ID:	H1_IA_ECH_2021				
Sample Type:	Client				
Inject. Date:	13-Apr-2021 20:20:30	ALS Bottle#:	4	Worklist Smp#:	13
Purge Vol:	500.000 mL	Dil. Factor:	1.3500		
Sample Info:	140-0018858-013				
Misc. Info.:	140-22606-a-3@1.35				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210412-18858.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	14-Apr-2021 10:00:45	Calib Date:	17-Feb-2021 20:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1682				
First Level Reviewer: tajh		Date:	14-Apr-2021 08:40:56		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.43	95.56

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210412-18858.b\RD13P104.D		
Injection Date:	13-Apr-2021 20:20:30	Instrument ID:	MR
Lims ID:	140-22606-A-3	Lab Sample ID:	140-22606-3
Client ID:	H1_IA_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	4 Worklist Smp#: 13
Purge Vol:	500.000 mL	Dil. Factor:	1.3500
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

17 Ethanol, CAS: 64-17-5



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_OA_ECH_2021 Lab Sample ID: 140-22606-4

Matrix: Air Lab File ID: RD10P116.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:28

Sample wt/vol: 500(mL) Date Analyzed: 04/11/2021 02:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.080	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.080	
75-34-3	1,1-Dichloroethane	98.96	ND		0.080	
75-35-4	1,1-Dichloroethene	96.94	ND		0.040	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.080	
106-93-4	1,2-Dibromoethane	187.87	ND		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.080	
107-06-2	1,2-Dichloroethane	98.96	ND		0.080	
78-87-5	1,2-Dichloropropane	112.99	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.080	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.080	
123-91-1	1,4-Dioxane	88.11	ND		0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	
78-93-3	2-Butanone	72.11	0.47		0.32	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.20	
71-43-2	Benzene	78.11	0.19		0.080	
100-44-7	Benzyl chloride	126.58	ND		0.16	
75-27-4	Bromodichloromethane	163.83	ND		0.080	
75-25-2	Bromoform	252.75	ND		0.080	
74-83-9	Bromomethane	94.94	ND		0.080	
56-23-5	Carbon tetrachloride	153.81	0.074		0.032	
108-90-7	Chlorobenzene	112.56	ND		0.080	
75-00-3	Chloroethane	64.52	ND		0.080	
67-66-3	Chloroform	119.38	ND		0.080	
74-87-3	Chloromethane	50.49	0.69		0.20	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.080	
110-82-7	Cyclohexane	84.16	ND		0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_OA_ECH_2021 Lab Sample ID: 140-22606-4

Matrix: Air Lab File ID: RD10P116.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:28

Sample wt/vol: 500(mL) Date Analyzed: 04/11/2021 02:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		0.080	
75-71-8	Dichlorodifluoromethane	120.91	0.18		0.080	
64-17-5	Ethanol	46.07	19		2.0	
100-41-4	Ethylbenzene	106.17	ND		0.080	
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	
110-54-3	Hexane	86.17	ND		0.20	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.16	
75-09-2	*Methylene Chloride*	*84.93*	*20*	*E*	*0.40*	
179601-23-1	m-Xylene & p-Xylene	106.17	0.17		0.080	
91-20-3	Naphthalene	128.17	ND		0.20	
95-47-6	o-Xylene	106.17	ND		0.080	
100-42-5	Styrene	104.15	ND		0.080	
75-65-0	t-Butyl alcohol	74.12	ND		0.32	
127-18-4	Tetrachloroethene	165.83	ND		0.080	
108-88-3	Toluene	92.14	0.40		0.12	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.080	
79-01-6	Trichloroethene	131.39	ND		0.036	
75-69-4	Trichlorofluoromethane	137.37	0.22		0.080	
75-01-4	Vinyl chloride	62.50	ND		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_OA_ECH_2021 Lab Sample ID: 140-22606-4

Matrix: Air Lab File ID: RD10P116.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:28

Sample wt/vol: 500(mL) Date Analyzed: 04/11/2021 02:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.44	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.55	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.44	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.61	
75-34-3	1,1-Dichloroethane	98.96	ND		0.32	
75-35-4	1,1-Dichloroethene	96.94	ND		0.16	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.59	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.39	
106-93-4	1,2-Dibromoethane	187.87	ND		0.61	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.48	
107-06-2	1,2-Dichloroethane	98.96	ND		0.32	
78-87-5	1,2-Dichloropropane	112.99	ND		0.37	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.56	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.39	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.48	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.48	
123-91-1	1,4-Dioxane	88.11	ND		0.72	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	
78-93-3	2-Butanone	72.11	1.4		0.94	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.82	
71-43-2	Benzene	78.11	0.60		0.26	
100-44-7	Benzyl chloride	126.58	ND		0.83	
75-27-4	Bromodichloromethane	163.83	ND		0.54	
75-25-2	Bromoform	252.75	ND		0.83	
74-83-9	Bromomethane	94.94	ND		0.31	
56-23-5	Carbon tetrachloride	153.81	0.46		0.20	
108-90-7	Chlorobenzene	112.56	ND		0.37	
75-00-3	Chloroethane	64.52	ND		0.21	
67-66-3	Chloroform	119.38	ND		0.39	
74-87-3	Chloromethane	50.49	1.4		0.41	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.16	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.36	
110-82-7	Cyclohexane	84.16	ND		0.69	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_OA_ECH_2021 Lab Sample ID: 140-22606-4

Matrix: Air Lab File ID: RD10P116.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:28

Sample wt/vol: 500(mL) Date Analyzed: 04/11/2021 02:36

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		0.68	
75-71-8	Dichlorodifluoromethane	120.91	0.91		0.40	
64-17-5	Ethanol	46.07	35		3.8	
100-41-4	Ethylbenzene	106.17	ND		0.35	
87-68-3	Hexachlorobutadiene	260.76	ND		0.85	
110-54-3	Hexane	86.17	ND		0.70	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.58	
75-09-2	*Methylene Chloride*	*84.93*	*69*	*E*	*1.4*	
179601-23-1	m-Xylene & p-Xylene	106.17	0.74		0.35	
91-20-3	Naphthalene	128.17	ND		1.0	
95-47-6	o-Xylene	106.17	ND		0.35	
100-42-5	Styrene	104.15	ND		0.34	
75-65-0	t-Butyl alcohol	74.12	ND		0.97	
127-18-4	Tetrachloroethene	165.83	ND		0.54	
108-88-3	Toluene	92.14	1.5		0.45	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.32	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.36	
79-01-6	Trichloroethene	131.39	ND		0.19	
75-69-4	Trichlorofluoromethane	137.37	1.2		0.45	
75-01-4	Vinyl chloride	62.50	ND		0.10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P116.D
Lims ID: 140-22606-A-4
Client ID: H1_OA_ECH_2021
Sample Type: Client
Inject. Date: 11-Apr-2021 02:36:30 ALS Bottle#: 16 Worklist Smp#: 23
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018816-023
Misc. Info.: 140-22606-a-4
Operator ID: HMT Instrument ID: MR

Method: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Apr-2021 11:16:09 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: tajh Date: 12-Apr-2021 11:14:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.183	8.188	-0.005	93	308079	4.80	
* 2 1,4-Difluorobenzene	114	10.388	10.393	-0.005	97	1625533	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.236	15.241	-0.005	93	1281111	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.891	16.896	-0.005	83	866144	4.63	
8 Dichlorodifluoromethane	85	3.453	3.453	0.000	99	26303	0.1834	
9 Chloromethane	52	3.615	3.615	0.000	100	25857	0.6896	
15 Bromomethane	94	4.128	4.127	0.001	25	1568	0.0170	
16 Chloroethane	64	4.257	4.251	0.006	50	842	0.0184	
17 Ethanol	31	4.349	4.348	0.001	95	647676	18.6	
20 Trichlorofluoromethane	101	4.758	4.758	0.000	99	53880	0.2205	
29 2-Methyl-2-propanol	59	5.573	5.529	0.044	63	15854	0.0809	
30 112TCTFE	101	5.583	5.583	0.000	91	15552	0.0738	
31 Methylene Chloride	84	5.734	5.740	-0.006	96	1688149	19.8	E
39 2-Butanone (MEK)	72	7.460	7.454	0.006	97	22468	0.4725	
40 Hexane	56	7.471	7.481	-0.010	72	11956	0.1263	
44 Chloroform	83	8.199	8.204	-0.005	66	5009	0.0238	
48 1,2-Dichloroethane	62	9.304	9.315	-0.011	81	3939	0.0254	
50 Cyclohexane	69	9.811	9.811	0.000	54	2886	0.0604	
51 Benzene	78	9.800	9.811	-0.011	97	57951	0.1892	
52 Carbon tetrachloride	117	9.827	9.832	-0.005	68	14562	0.0737	
55 Isooctane	57	10.625	10.625	0.000	94	35924	0.0590	
57 1,2-Dichloropropane	63	11.084	11.083	0.001	11	1792	0.0119	
67 Toluene	91	13.235	13.240	-0.005	93	141281	0.4024	
73 Tetrachloroethene	129	14.400	14.400	0.000	89	5416	0.0436	
74 Chlorobenzene	112	15.279	15.290	-0.011	1	1990	0.007654	
76 Ethylbenzene	91	15.586	15.586	0.000	99	23312	0.0527	
77 m-Xylene & p-Xylene	91	15.748	15.753	-0.005	97	58474	0.1711	
81 o-Xylene	91	16.277	16.276	0.001	98	25951	0.0756	
92 1,2,4-Trimethylbenzene	105	18.115	18.115	0.000	97	13615	0.0352	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

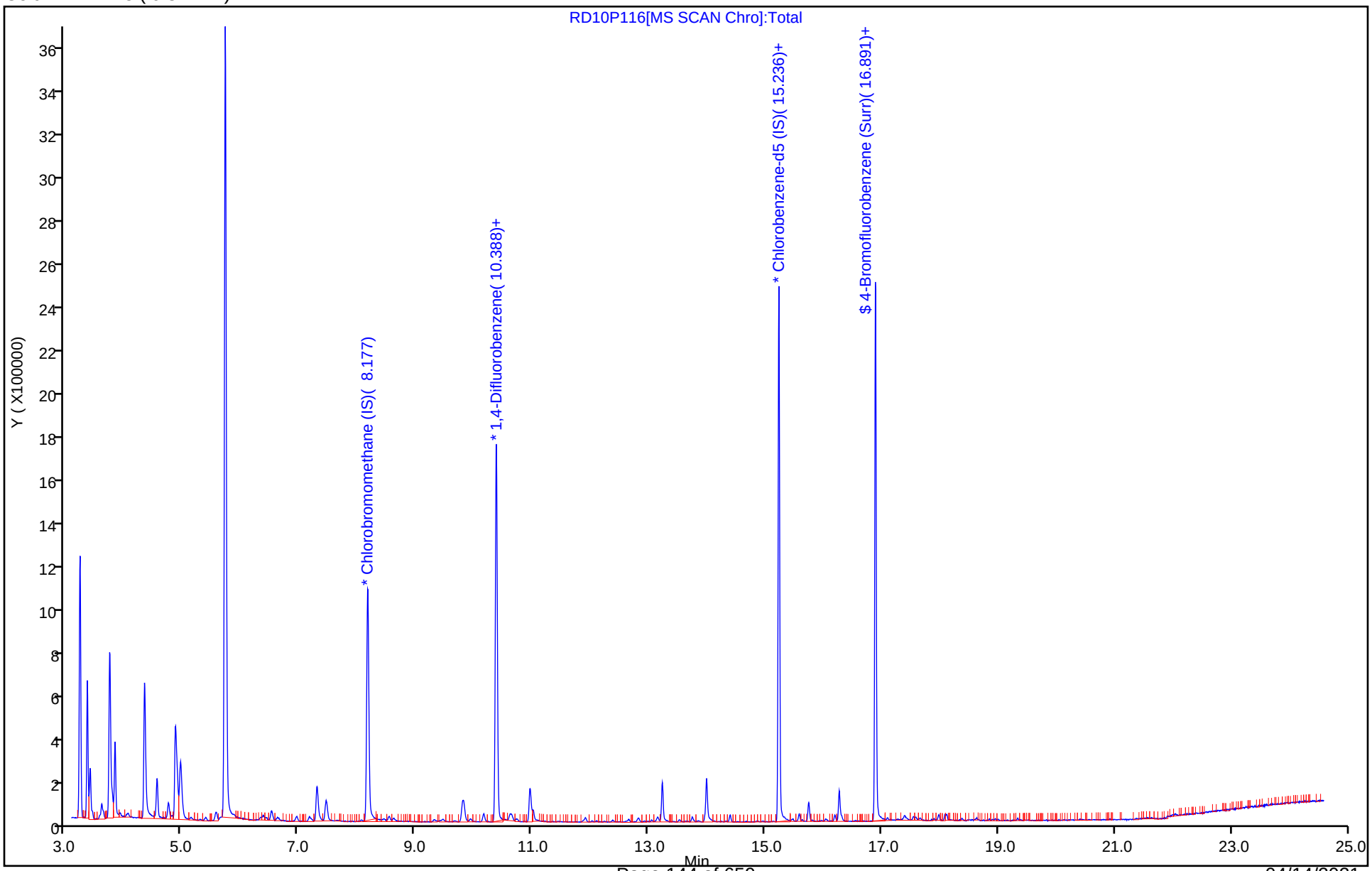
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 12-Apr-2021 11:21:26 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P116.D				
Injection Date:	11-Apr-2021 02:36:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-22606-A-4	Lab Sample ID:	140-22606-4	Worklist Smp#:	23
Client ID:	H1_OA_ECH_2021				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

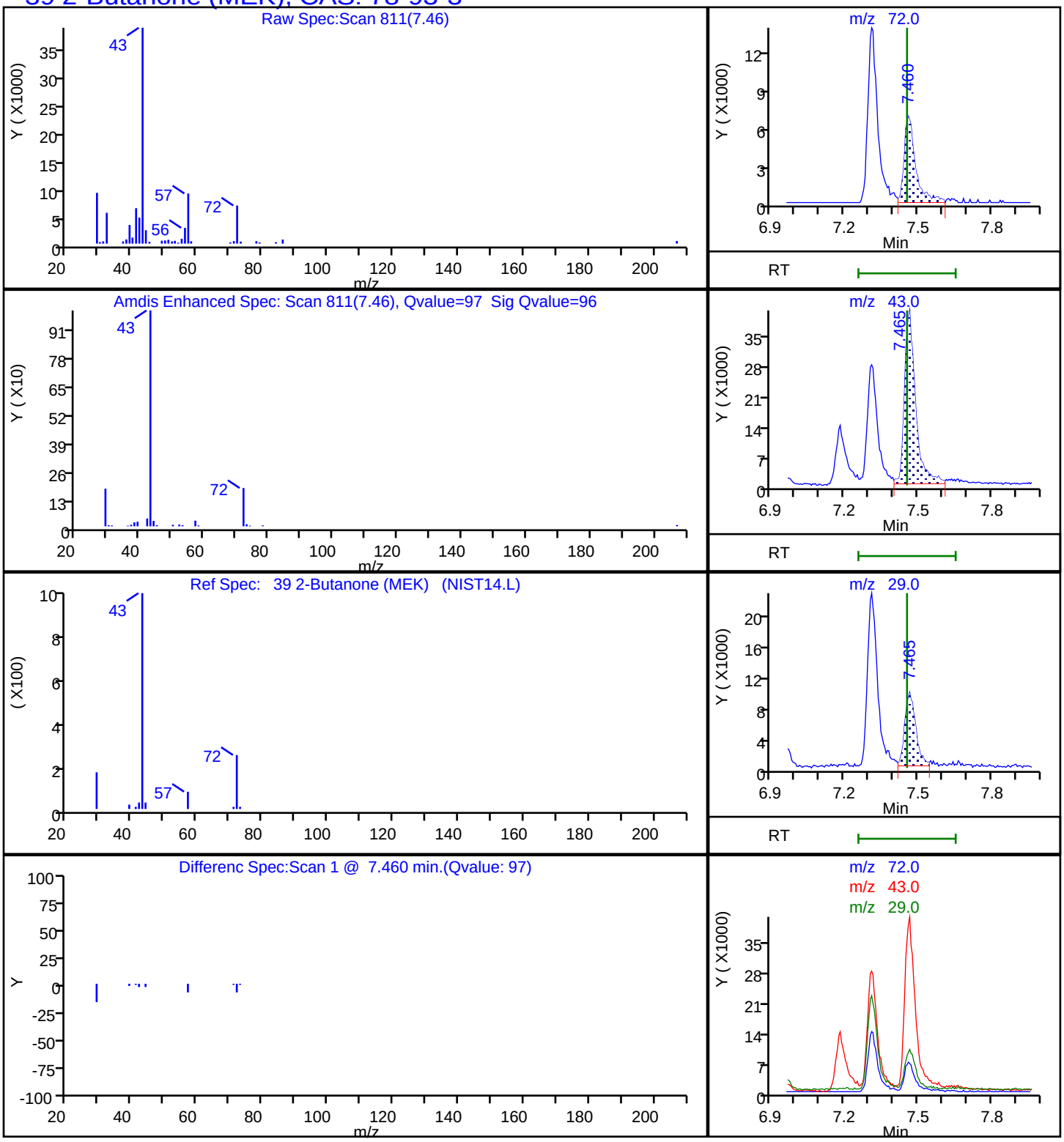
Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P116.D				
Lims ID:	140-22606-A-4				
Client ID:	H1_OA_ECH_2021				
Sample Type:	Client				
Inject. Date:	11-Apr-2021 02:36:30	ALS Bottle#:	16	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018816-023				
Misc. Info.:	140-22606-a-4				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Apr-2021 11:16:09	Calib Date:	17-Feb-2021 20:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1601				
First Level Reviewer: tajh		Date:	12-Apr-2021 11:14:50		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.63	99.87

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P116.D		
Injection Date:	11-Apr-2021 02:36:30	Instrument ID:	MR
Lims ID:	140-22606-A-4	Lab Sample ID:	140-22606-4
Client ID:	H1_OA_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	16 Worklist Smp#: 23
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

39 2-Butanone (MEK), CAS: 78-93-3

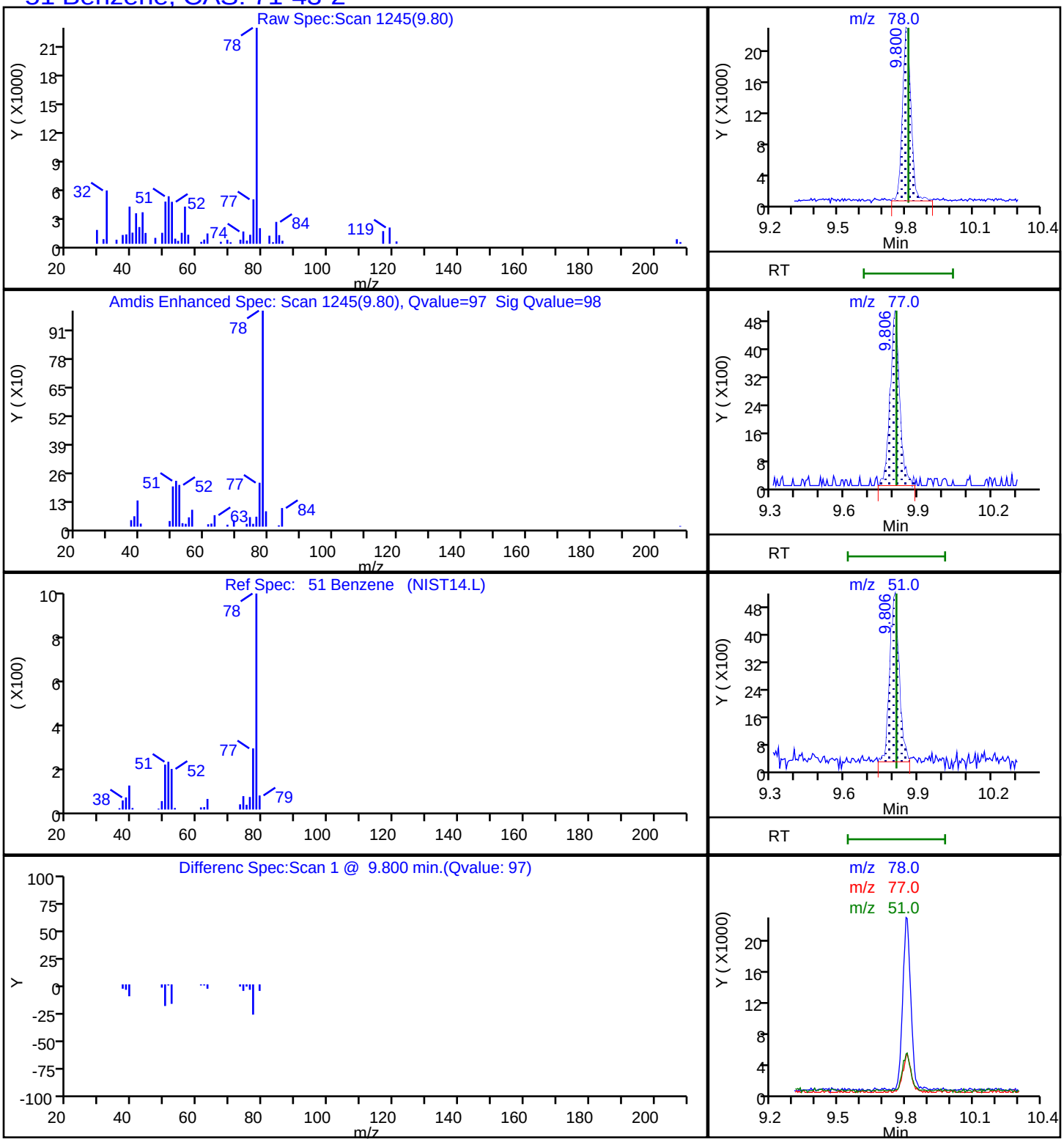


Report Date: 12-Apr-2021 11:21:27 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P116.D		
Injection Date:	11-Apr-2021 02:36:30	Instrument ID:	MR
Lims ID:	140-22606-A-4	Lab Sample ID:	140-22606-4
Client ID:	H1_OA_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	16 Worklist Smp#: 23
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

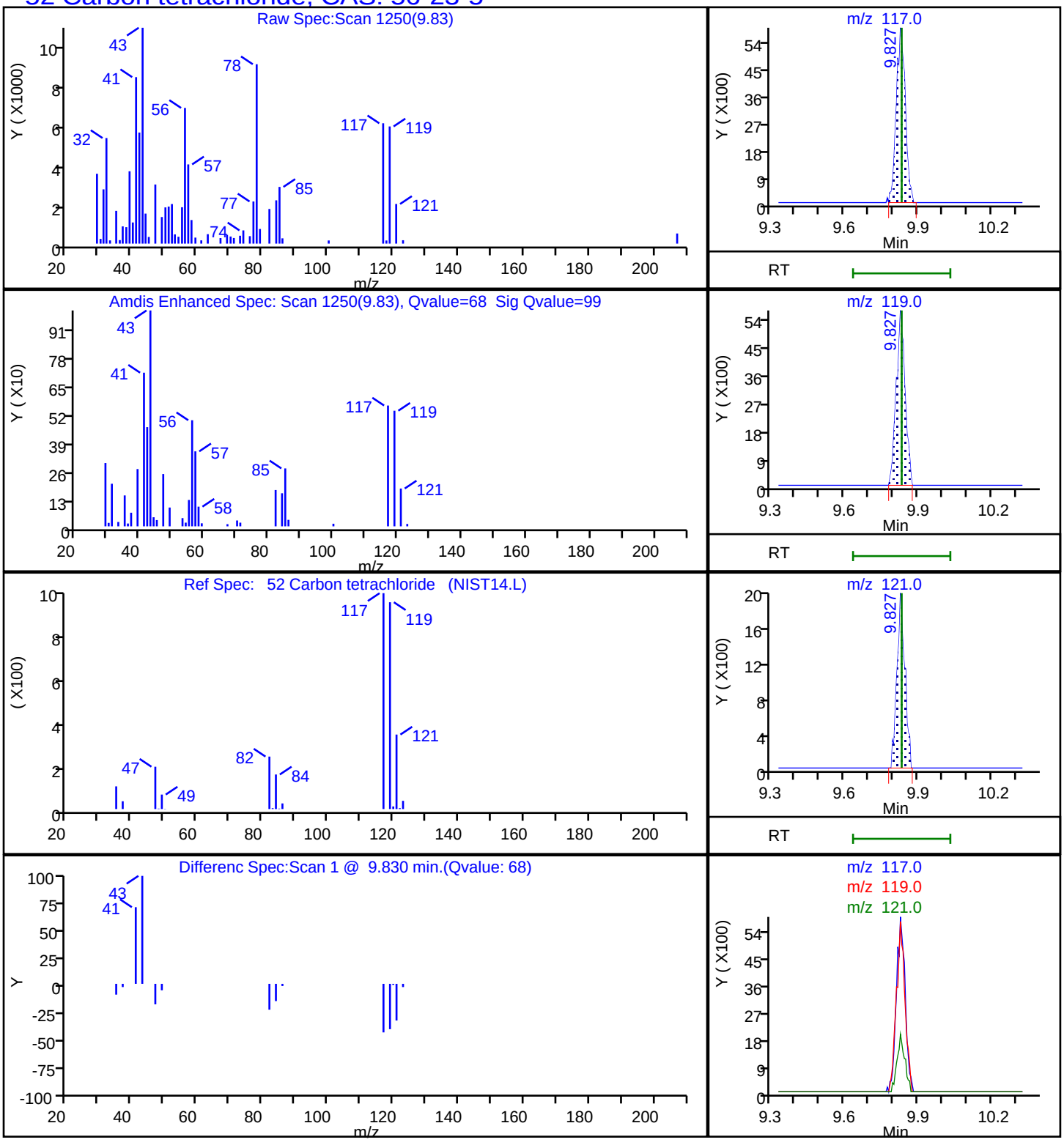
51 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P116.D		
Injection Date:	11-Apr-2021 02:36:30	Instrument ID:	MR
Lims ID:	140-22606-A-4	Lab Sample ID:	140-22606-4
Client ID:	H1_OA_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	16 Worklist Smp#: 23
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

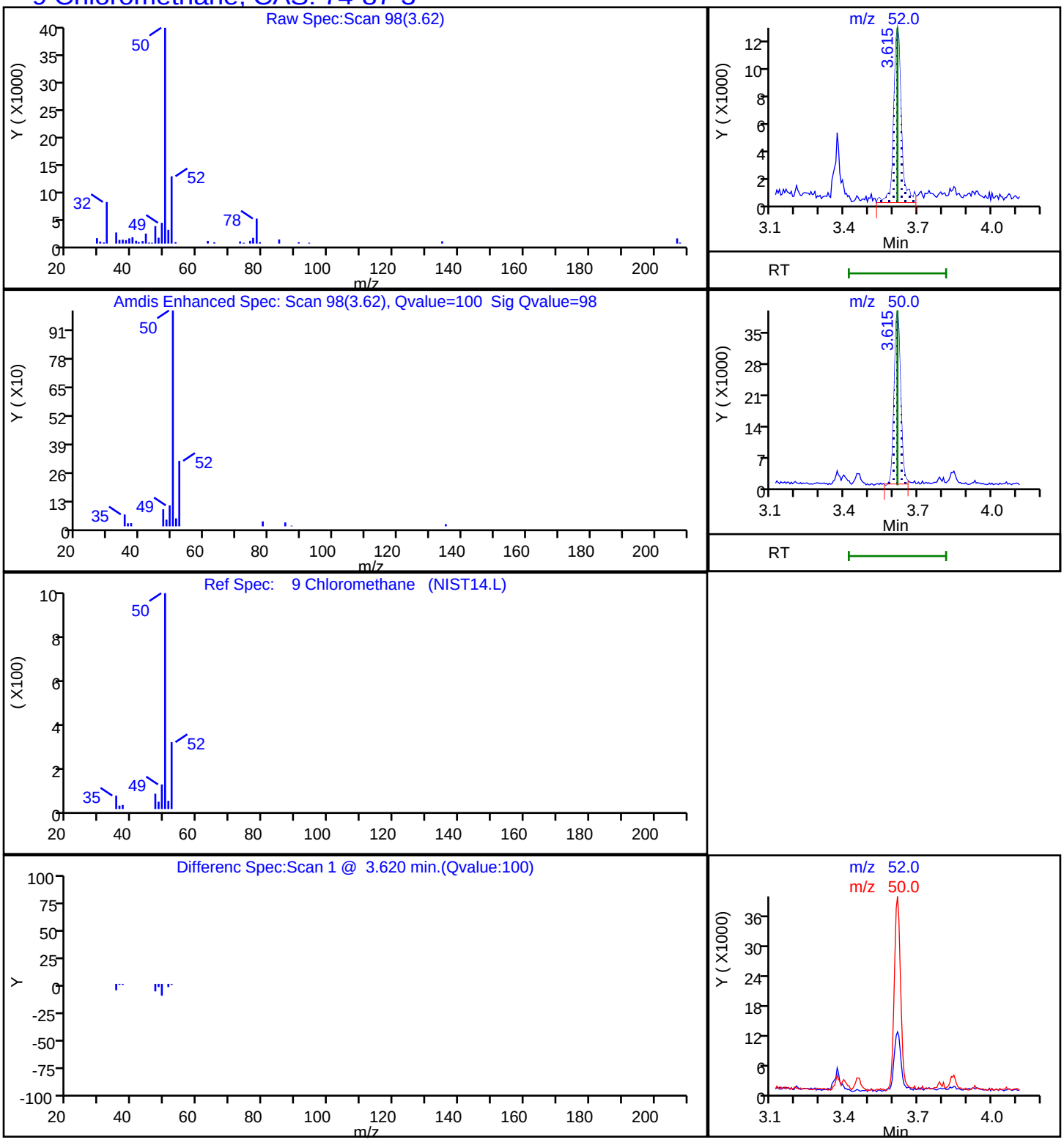
52 Carbon tetrachloride, CAS: 56-23-5



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P116.D		
Injection Date:	11-Apr-2021 02:36:30	Instrument ID:	MR
Lims ID:	140-22606-A-4	Lab Sample ID:	140-22606-4
Client ID:	H1_OA_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	16 Worklist Smp#: 23
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

9 Chloromethane, CAS: 74-87-3



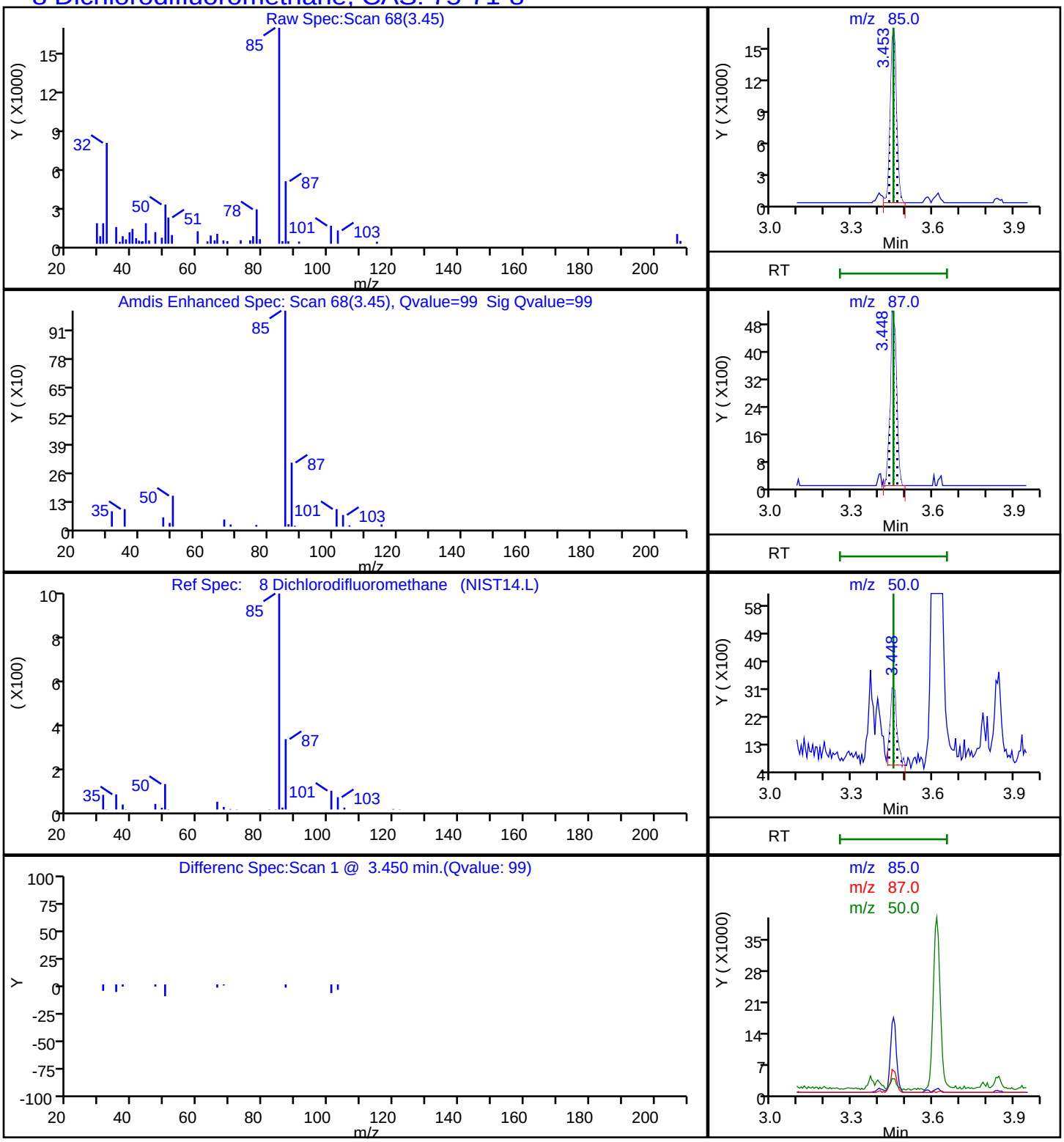
Report Date: 12-Apr-2021 11:21:26 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P116.D

Injection Date:	11-Apr-2021 02:36:30	Instrument ID:	MR		
Lims ID:	140-22606-A-4	Lab Sample ID:	140-22606-4		
Client ID:	H1_OA_ECH_2021				
Operator ID:	HMT	ALS Bottle#:	16	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

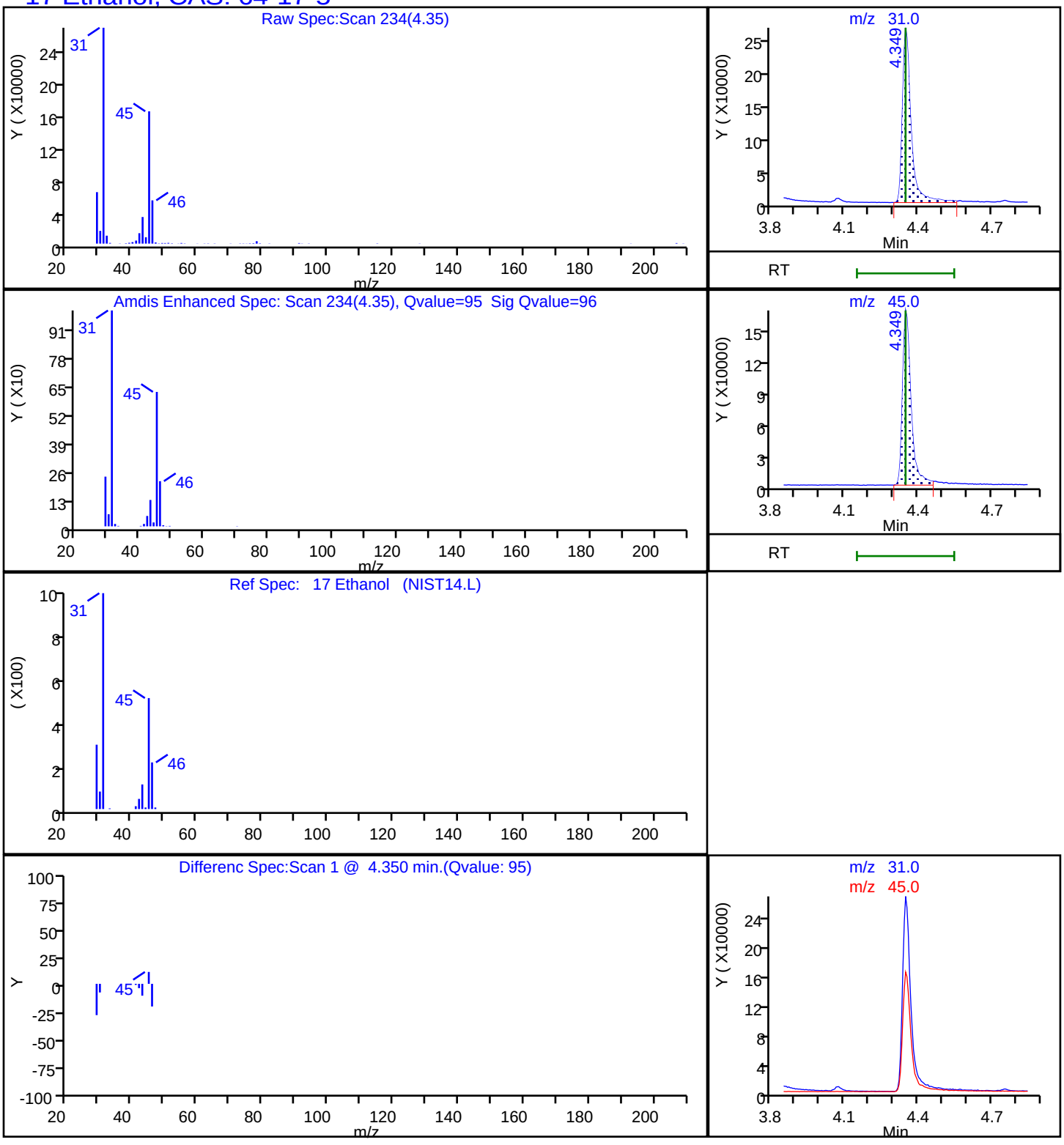
8 Dichlorodifluoromethane, CAS: 75-71-8



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P116.D		
Injection Date:	11-Apr-2021 02:36:30	Instrument ID:	MR
Lims ID:	140-22606-A-4	Lab Sample ID:	140-22606-4
Client ID:	H1_OA_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	16 Worklist Smp#: 23
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

17 Ethanol, CAS: 64-17-5

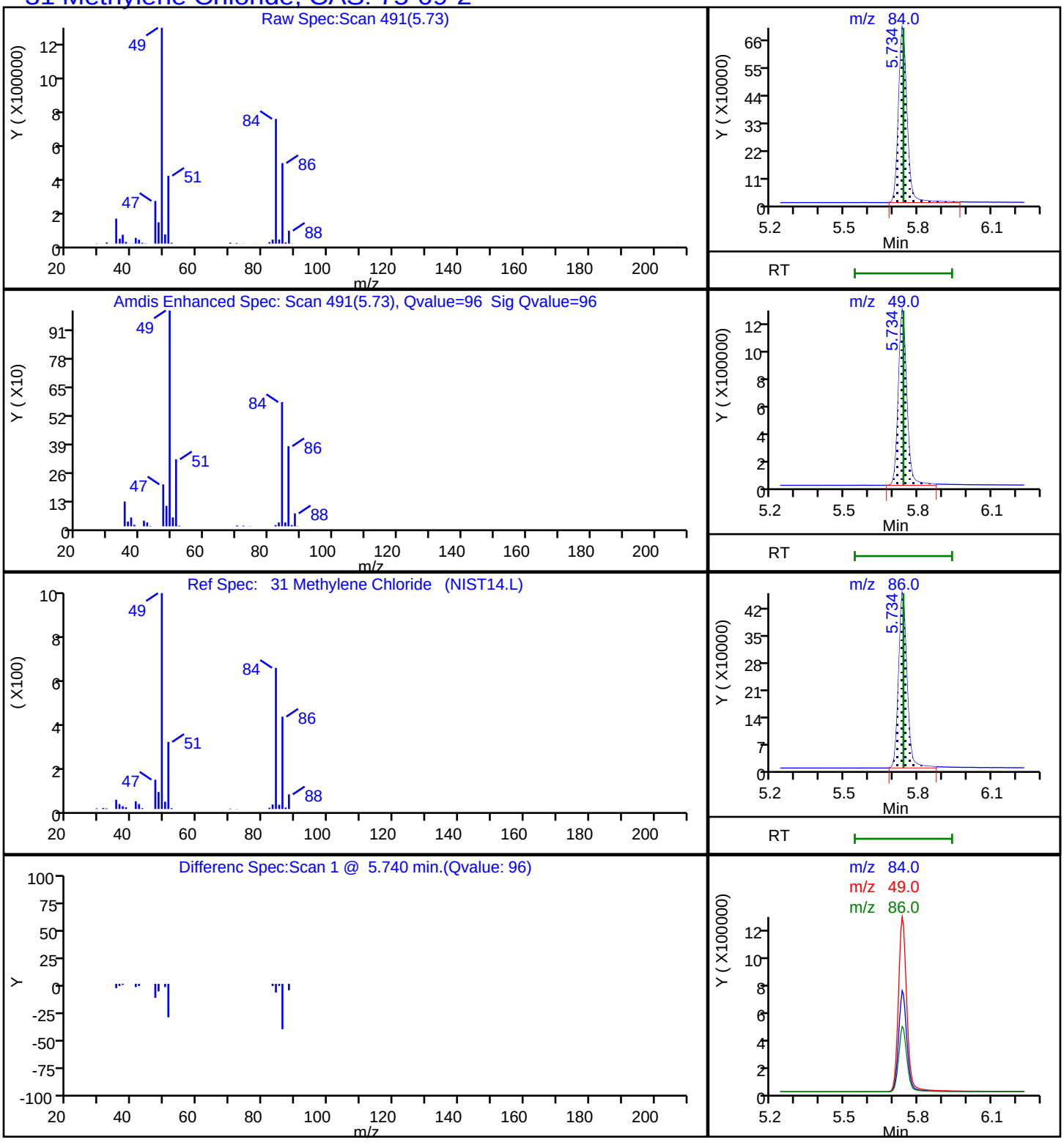


Report Date: 12-Apr-2021 11:21:26 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P116.D		
Injection Date:	11-Apr-2021 02:36:30	Instrument ID:	MR
Lims ID:	140-22606-A-4	Lab Sample ID:	140-22606-4
Client ID:	H1_OA_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	16 Worklist Smp#: 23
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

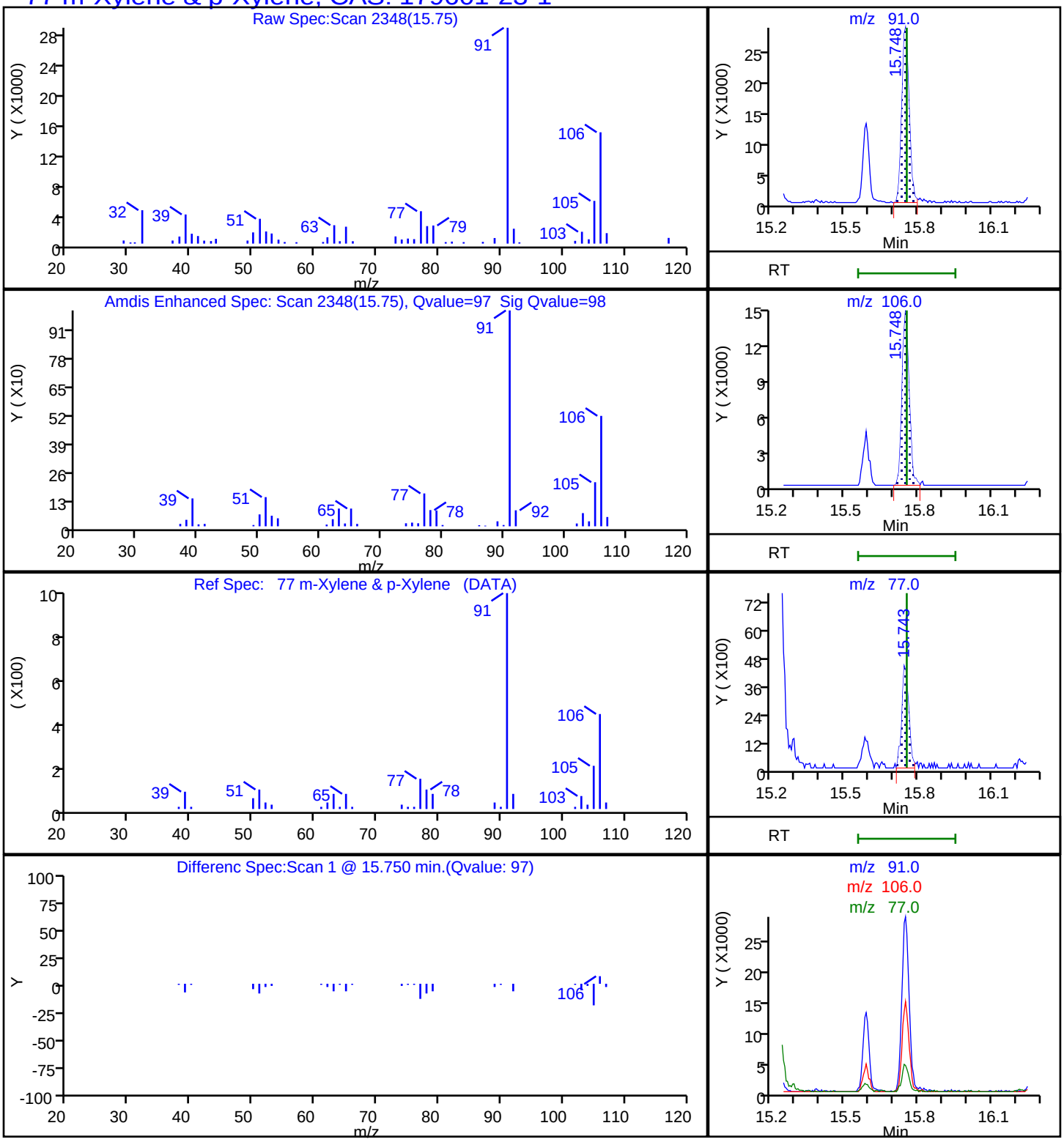
31 Methylene Chloride, CAS: 75-09-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P116.D				
Injection Date:	11-Apr-2021 02:36:30	Instrument ID:	MR		
Lims ID:	140-22606-A-4	Lab Sample ID:	140-22606-4		
Client ID:	H1_OA_ECH_2021				
Operator ID:	HMT	ALS Bottle#:	16	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

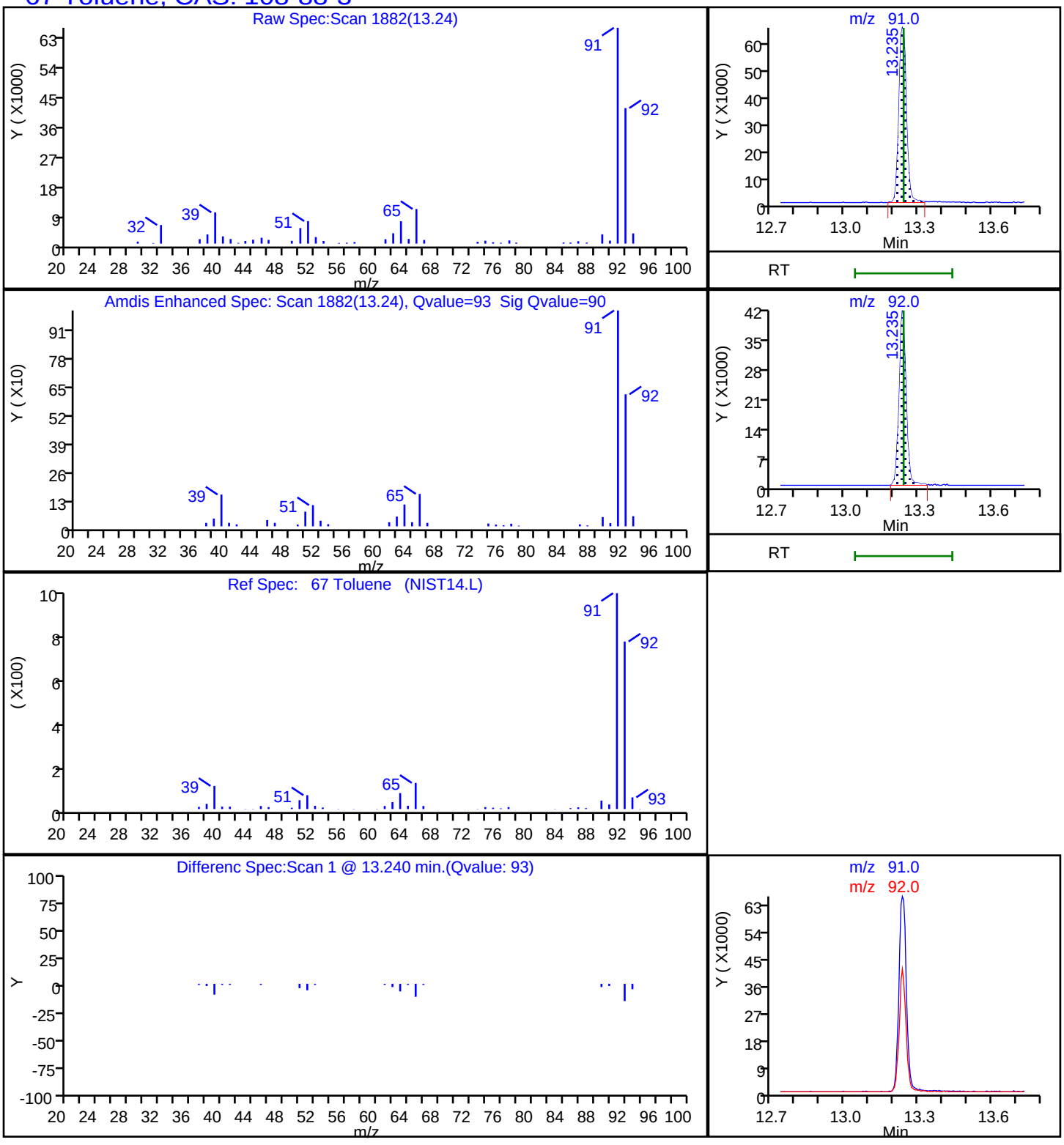
77 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P116.D				
Injection Date:	11-Apr-2021 02:36:30	Instrument ID:	MR		
Lims ID:	140-22606-A-4	Lab Sample ID:	140-22606-4		
Client ID:	H1_OA_ECH_2021				
Operator ID:	HMT	ALS Bottle#:	16	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

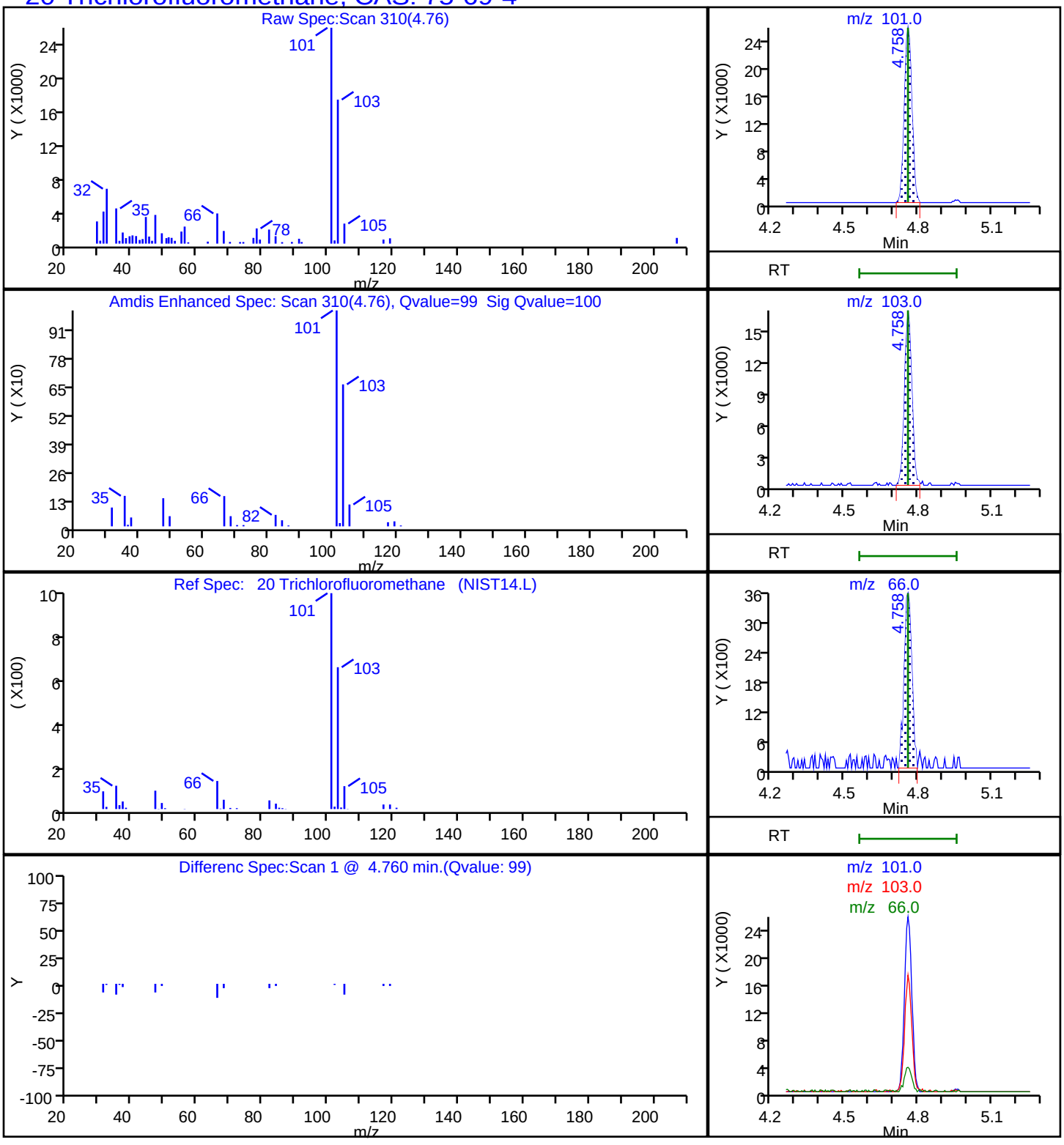
67 Toluene, CAS: 108-88-3



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RD10P116.D		
Injection Date:	11-Apr-2021 02:36:30	Instrument ID:	MR
Lims ID:	140-22606-A-4	Lab Sample ID:	140-22606-4
Client ID:	H1_OA_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	16 Worklist Smp#: 23
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

20 Trichlorofluoromethane, CAS: 75-69-4



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_OA_ECH_2021 DL Lab Sample ID: 140-22606-4 DL

Matrix: Air Lab File ID: SD12P106.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:28

Sample wt/vol: 125(mL) Date Analyzed: 04/12/2021 18:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48707 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-09-2	Methylene Chloride	84.93	15	D	1.6	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	116		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: H1_OA_ECH_2021 DL Lab Sample ID: 140-22606-4 DL

Matrix: Air Lab File ID: SD12P106.D

Analysis Method: TO 15 LL Date Collected: 03/30/2021 13:28

Sample wt/vol: 125(mL) Date Analyzed: 04/12/2021 18:03

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48707 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
75-09-2	Methylene Chloride	84.93	52	D	5.6	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	116		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SD12P106.D
Lims ID: 140-22606-A-4
Client ID: H1_OA_ECH_2021
Sample Type: Client
Inject. Date: 12-Apr-2021 18:03:30 ALS Bottle#: 6 Worklist Smp#: 14
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018849-014
Misc. Info.: 140-22606-a-4
Operator ID: HMT Instrument ID: MS

Method: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 13-Apr-2021 06:47:28 Calib Date: 22-Feb-2021 22:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1657

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.239	9.244	-0.005	95	137207	4.80	
* 2 1,4-Difluorobenzene	114	11.418	11.417	0.001	96	615539	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.087	16.087	0.000	91	504857	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.728	17.728	0.000	84	474548	5.40	
8 Dichlorodifluoromethane	85	3.875	3.881	-0.006	99	14961	0.1353	
9 Chloromethane	52	4.080	4.074	0.006	96	1586	0.1361	
15 Bromomethane	94	4.897	4.704	0.193	7	425	0.0139	
17 Ethanol	31	4.946	4.951	-0.005	92	69463	5.12	
20 Trichlorofluoromethane	101	5.478	5.473	0.005	98	14576	0.1384	
30 112TCTFE	101	6.415	6.414	0.000	71	1770	0.0200	
31 Methylene Chloride	84	6.597	6.597	0.000	98	153841	3.71	
40 Hexane	56	8.475	8.475	0.000	67	2344	0.0642	
44 Chloroform	83	9.244	9.250	-0.006	27	859	0.008933	
51 Benzene	78	10.890	10.896	-0.006	94	4880	0.0383	
52 Carbon tetrachloride	117	10.906	10.912	-0.006	87	2226	0.0328	
55 Isooctane	57	11.617	11.627	-0.010	91	2313	0.0108	
67 Toluene	91	14.140	14.140	0.000	91	13971	0.0962	
73 Tetrachloroethene	129	15.259	15.269	-0.010	81	845	0.0169	
75 Chlorobenzene	112	16.141	16.135	0.006	1	734	0.007267	
76 Ethylbenzene	91	16.410	16.410	0.000	95	2842	0.0154	
77 m-Xylene & p-Xylene	91	16.566	16.571	-0.005	97	6080	0.0422	
81 o-Xylene	91	17.104	17.104	0.000	12	2603	0.0169	

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

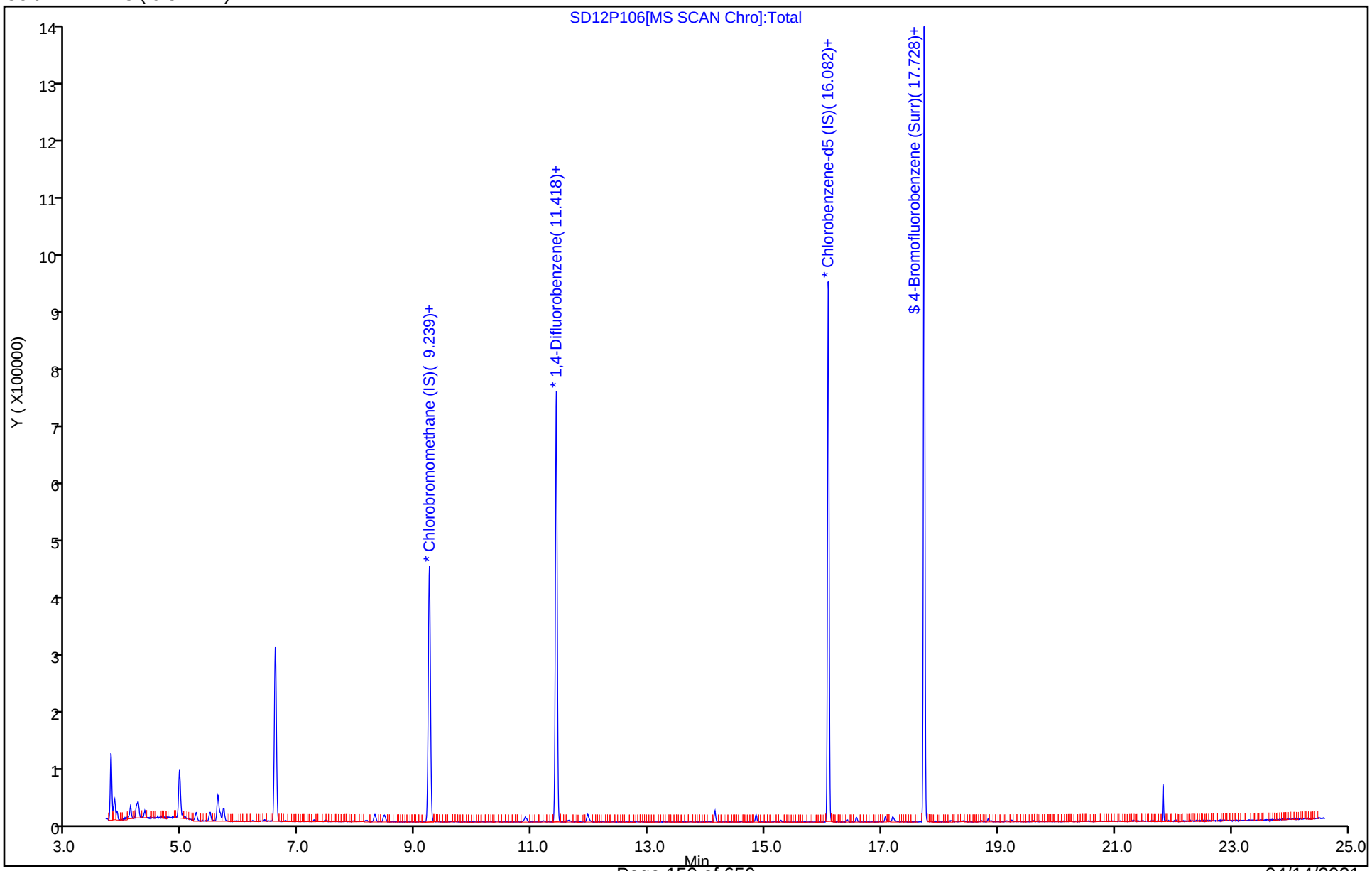
Report Date: 13-Apr-2021 06:47:47 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SD12P106.D

Injection Date:	12-Apr-2021 18:03:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	140-22606-A-4	Lab Sample ID:	140-22606-4	Worklist Smp#:	14
Client ID:	H1_OA_ECH_2021				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

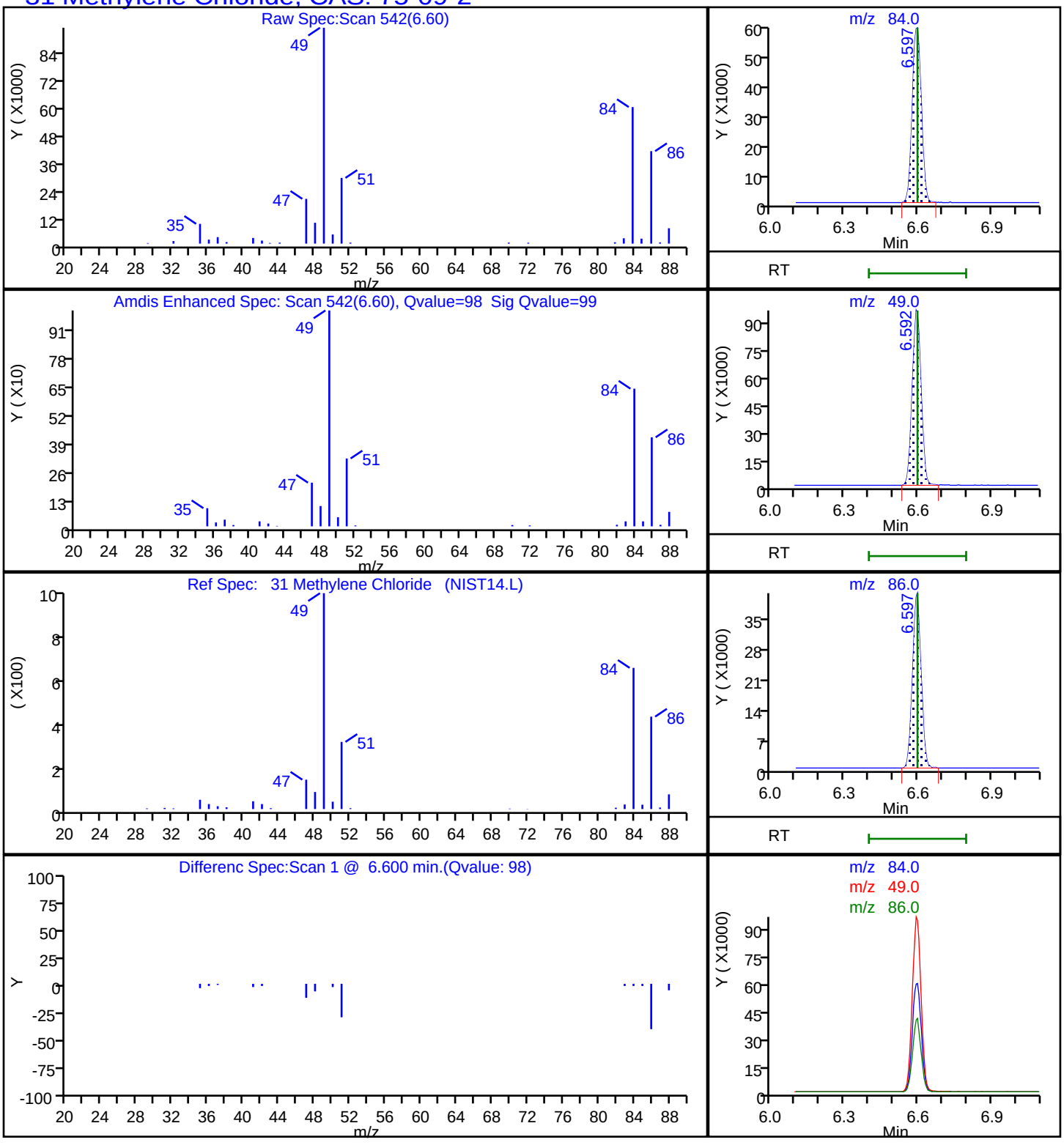
Data File:	\\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SD12P106.D				
Lims ID:	140-22606-A-4				
Client ID:	H1_OA_ECH_2021				
Sample Type:	Client				
Inject. Date:	12-Apr-2021 18:03:30	ALS Bottle#:	6	Worklist Smp#:	14
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018849-014				
Misc. Info.:	140-22606-a-4				
Operator ID:	HMT	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210410-18849.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	13-Apr-2021 06:47:28	Calib Date:	22-Feb-2021 22:12:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1657				

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	5.40	116.37

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SD12P106.D		
Injection Date:	12-Apr-2021 18:03:30	Instrument ID:	MS
Lims ID:	140-22606-A-4	Lab Sample ID:	140-22606-4
Client ID:	H1_OA_ECH_2021		
Operator ID:	HMT	ALS Bottle#:	6 Worklist Smp#: 14
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

31 Methylene Chloride, CAS: 75-09-2



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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-47023/9	RB17IC01.D
Level 2	IC 140-47023/10	RB17IC02.D
Level 3	IC 140-47023/11	RB17IC03.D
Level 4	IC 140-47023/12	RB17IC04.D
Level 5	IC 140-47023/13	RB17IC05.D
Level 6	IC 140-47023/14	RB17IC06.D
Level 7	ICIS 140-47023/15	RB17IC07.D
Level 8	IC 140-47023/7	RB17IC08.D
Level 9	IC 140-47023/5	RB17IC09.D
Level 10	IC 140-47023/3	RB17IC10.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 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Chlorodifluoromethane	+++++ 3.4503	3.6893 3.4486	3.3361 3.2125	3.4570 3.1165	3.5473 3.1621	Ave		3.3800				5.6		30.0			
Propene	+++++ 1.6335	+++++ 1.5933	1.6963 1.4773	1.7068 1.4212	1.6774 1.4430	Ave		1.5811				7.4		30.0			
Dichlorodifluoromethane	+++++ 2.2645	+++++ 2.3493	2.2418 2.1750	2.3428 2.1344	2.4145 1.9536	Ave		2.2345				6.6		30.0			
Chloromethane	+++++ 0.6280	+++++ 0.6085	+++++ 0.5586	0.5827 0.5321	0.6784 0.5013	Ave		0.5842				10.3		30.0			
1,2-Dichlorotetrafluoroethane	+++++ 2.3133	+++++ 2.3431	2.3268 2.2159	2.4789 2.0493	2.4500 1.8132	Ave		2.2488				9.8		30.0			
Vinyl chloride	+++++ 1.8926	1.8631 1.8619	1.8078 1.7255	1.8906 1.6235	1.8869 1.4452	Ave		1.7775				8.7		30.0			
Butane	+++++ 2.7031	+++++ 2.6111	+++++ 2.4097	2.9553 2.1464	2.8338 1.9939	Ave		2.5219				14.1		30.0			
1,3-Butadiene	+++++ 1.4440	+++++ 1.4541	1.4845 1.3650	1.5419 1.2641	1.4459 1.1650	Ave		1.3956				8.9		30.0			
Bromomethane	+++++ 1.4050	+++++ 1.4463	1.5726 1.4509	1.5039 1.3850	1.4795 1.2686	Ave		1.4390				6.3		30.0			
Chloroethane	+++++ 0.7031	+++++ 0.7038	0.8170 0.7030	0.7471 0.6734	0.7306 0.6113	Ave		0.7111				8.3		30.0			
Ethanol	+++++ 0.5636	+++++ 0.5813	0.4994 0.5498	0.5735 0.5006	0.5768 0.4879	Ave		0.5416				7.2		30.0			
Vinyl bromide	+++++ 1.3303	+++++ 1.3582	1.2308 1.3610	1.2126 1.3089	1.3011 1.2166	Ave		1.2899				4.8		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

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 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
2-Methylbutane	+++++ 1.8226	+++++ 1.7789	1.8028 1.6721	1.7781 1.5473	1.7912 1.4619	Ave		1.7069				7.9		30.0			
Trichlorofluoromethane	+++++ 3.8294	3.8653 4.0097	3.8263 3.8214	3.8740 3.7604	3.8835 3.3893	Ave		3.8066				4.5		30.0			
Acrolein	+++++ 0.4750	+++++ 0.4814	+++++ 0.4636	0.4796 0.4807	0.3894 0.4499	Ave		0.4600				7.2		30.0			
Acetonitrile	+++++ 0.5162	+++++ 0.5236	+++++ 0.4902	+++++ 0.4903	0.4839 0.5296	Ave		0.5056				3.9		30.0			
Acetone	+++++ 1.0390	+++++ 0.8353	+++++ 0.7418	+++++ 0.7247	0.9401 0.6796	Ave		0.8268				16.9		30.0			
Pentane	+++++ 0.2067	+++++ 0.2153	+++++ 0.1945	0.1980 0.1797	0.2061 0.1668	Ave		0.1953				8.7		30.0			
Isopropyl alcohol	+++++ 2.3842	2.4228 2.4365	2.4696 2.1930	2.4777 1.9606	2.3683 1.8519	Ave		2.2850				10.2		30.0			
Ethyl ether	+++++ 1.8081	+++++ 1.6907	1.8483 1.5455	1.9084 1.4429	1.9119 1.5041	Ave		1.7075				11.1		30.0			
1,1-Dichloroethene	+++++ 1.5727	1.9551 1.5359	1.6629 1.4779	1.6818 1.4878	1.6107 1.3935	Ave		1.5976				10.2		30.0			
Acrylonitrile	+++++ 1.0484	+++++ 1.0463	+++++ 1.0474	+++++ 1.0951	0.9667 1.1042	Ave		1.0513				4.6		30.0			
t-Butyl alcohol	+++++ 3.1864	+++++ 3.2130	+++++ 3.0104	3.2306 2.8593	3.1849 2.6850	Ave		3.0528				6.9		30.0			
1,1,2-Trichlorotrifluoroethane	+++++ 3.4379	3.5936 3.2808	3.5218 3.0881	3.5703 2.8948	3.5440 2.6185	Ave		3.2833				10.5		30.0			
Methylene Chloride	+++++ 1.4100	+++++ 1.3840	+++++ 1.2698	+++++ 1.2591	1.4957 1.1633	Ave		1.3303				9.1		30.0			
3-Chloropropene	+++++ 1.4986	+++++ 1.4564	1.7172 1.3126	1.5615 1.2251	1.4845 1.2326	Ave		1.4361				11.8		30.0			
Carbon disulfide	+++++ 4.4838	4.6765 4.3595	4.4248 4.1629	4.7123 4.1544	4.5304 3.9908	Ave		4.3884				5.6		30.0			
trans-1,2-Dichloroethene	+++++ 1.4698	+++++ 1.4182	1.3981 1.3975	1.4090 1.3909	1.3747 1.2806	Ave		1.3924				3.8		30.0			
2-Methylpentane	+++++ 4.5680	+++++ 4.3330	4.6733 3.9721	4.8193 3.6545	4.6036 3.4489	Ave		4.2591				11.9		30.0			
Methyl tert-butyl ether	+++++ 4.2164	+++++ 4.0965	4.3392 3.8838	4.3965 3.8387	4.3196 3.6063	Ave		4.0871				6.9		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

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 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
1,1-Dichloroethane	+++++ 3.4680	3.8646 3.3367	3.5379 3.1378	3.6256 3.1093	3.5816 2.9832	Ave		3.4050				8.4		30.0			
Vinyl acetate	+++++ 3.9557	+++++ 4.1319	+++++ 4.0792	3.6104 4.1414	3.8085 4.3362	Ave		4.0090				6.0		30.0			
2-Butanone	+++++ 0.8094	+++++ 0.7373	+++++ 0.7039	0.7773 0.7100	0.7720 0.6759	Ave		0.7408				6.4		30.0			
Hexane	+++++ 1.5358	+++++ 1.4740	1.6442 1.3797	1.6323 1.3087	1.5744 1.2474	Ave		1.4746				10.1		30.0			
cis-1,2-Dichloroethene	+++++ 1.6086	1.7787 1.5727	1.6821 1.5254	1.7283 1.5411	1.5963 1.4992	Ave		1.6147				5.9		30.0			
Ethyl acetate	+++++ 4.1206	+++++ 4.0270	3.8311 3.8316	4.2363 3.7506	4.0286 3.8360	Ave		3.9577				4.3		30.0			
Chloroform	+++++ 3.3126	+++++ 3.2419	3.5335 3.1583	3.4694 3.1104	3.4015 2.9733	Ave		3.2751				5.8		30.0			
Tetrahydrofuran	+++++ 2.2060	+++++ 2.1164	2.3691 2.0037	2.4214 1.9416	2.1863 2.0036	Ave		2.1560				8.1		30.0			
1,1,1-Trichloroethane	+++++ 3.3590	3.4790 3.2908	3.4428 3.2187	3.4252 3.2551	3.4003 3.1086	Ave		3.3311				3.7		30.0			
1,2-Dichloroethane	+++++ 0.4508	0.4667 0.4626	0.4602 0.4498	0.4673 0.4623	0.4551 0.4410	Ave		0.4573				1.9		30.0			
Benzene	+++++ 0.9493	+++++ 0.9215	1.0256 0.8748	1.0062 0.8087	0.9686 0.6804	Ave		0.9044				12.7		30.0			
Cyclohexane	+++++ 0.1510	+++++ 0.1461	+++++ 0.1395	0.1574 0.1292	0.1539 0.1099	Ave		0.1410				11.8		30.0			
1-Butanol	+++++ 0.1436	+++++ 0.1393	+++++ 0.1251	0.1467 0.1158	0.1409 0.1065	Ave		0.1311				11.8		30.0			
Carbon tetrachloride	0.6025 0.5859	0.5430 0.6357	0.5421 0.6379	0.6334 0.5452	0.5554 0.5505	Ave		0.5832				7.1		30.0			
2,3-Dimethylpentane	+++++ 0.2157	0.2174 0.2163	0.2157 0.2032	0.2329 0.1938	0.2248 0.1788	Ave		0.2109				7.8		30.0			
Thiophene	+++++ 0.5577	0.5702 0.5457	0.5332 0.5269	0.5462 0.5235	0.5608 0.4955	Ave		0.5400				4.2		30.0			
2,2,4-Trimethylpentane	+++++ 1.8625	+++++ 1.8281	1.8891 1.7458	1.8935 1.6734	1.9043 1.5800	Ave		1.7971				6.6		30.0			
Heptane	+++++ 0.3310	0.3388 0.3279	0.3308 0.3155	0.3434 0.3118	0.3387 0.2873	Ave		0.3250				5.4		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

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 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
1,2-Dichloropropane	+++++ 0.4598	+++++ 0.4438	0.5027 0.4197	0.4869 0.3995	0.4674 0.3723	Ave		0.4440				10.0		30.0			
Trichloroethene	0.5356 0.3860	0.4377 0.3798	0.4106 0.3706	0.4025 0.3546	0.3861 0.3166	Ave		0.3980				14.6		30.0			
Dibromomethane	+++++ 0.3586	+++++ 0.3676	0.3690 0.3558	0.3665 0.3509	0.3711 0.3241	Ave		0.3579				4.3		30.0			
Bromodichloromethane	+++++ 0.6461	0.6472 0.6470	0.6384 0.6424	0.6392 0.6304	0.6415 0.5790	Ave		0.6346				3.4		30.0			
1,4-Dioxane	+++++ 0.1391	+++++ 0.1440	0.1465 0.1369	0.1505 0.1297	0.1419 0.1137	Ave		0.1378				8.4		30.0			
Methyl methacrylate	+++++ 0.4621	+++++ 0.4636	+++++ 0.4497	0.4257 0.4349	0.4410 0.4353	Ave		0.4446				3.2		30.0			
Methylcyclohexane	+++++ 0.5930	0.6291 0.5893	0.6139 0.5708	0.6230 0.5590	0.6192 0.5189	Ave		0.5907				6.1		30.0			
4-Methyl-2-pentanone (MIBK)	0.8959 0.8879	0.8658 0.8919	0.7536 0.8472	0.8199 0.8130	0.8767 0.7998	Ave		0.8452				5.6		30.0			
cis-1,3-Dichloropropene	0.5606 0.5031	0.4841 0.5208	0.4320 0.5171	0.4633 0.5223	0.4911 0.4979	Ave		0.4992				7.1		30.0			
trans-1,3-Dichloropropene	0.5007 0.4791	0.4309 0.5043	0.3957 0.5139	0.4928 0.5382	0.4526 0.5111	Ave		0.4819				9.0		30.0			
Toluene	+++++ 1.3437	+++++ 1.3193	1.4756 1.2647	1.4290 1.2023	1.3884 1.1006	Ave		1.3154				9.4		30.0			
1,1,2-Trichloroethane	+++++ 0.4380	+++++ 0.4243	0.4583 0.4018	0.4579 0.3714	0.4495 0.3369	Ave		0.4173				10.6		30.0			
2-Hexanone	+++++ 0.4978	+++++ 0.5050	+++++ 0.4962	0.4035 0.4811	0.4549 0.4572	Ave		0.4708				7.6		30.0			
C8 Range	+++++ 3.7063	+++++ 3.5679	+++++ 3.3487	3.7602 3.1612	3.6756 2.9726	Ave		3.4561				8.7		30.0			
Octane	+++++ 0.4093	0.4103 0.3947	0.4165 0.3779	0.4088 0.3539	0.4108 0.3196	Ave		0.3891				8.5		30.0			
Dibromochloromethane	0.7677 0.7246	0.6778 0.7393	0.6429 0.7471	0.6870 0.7003	0.6867 0.6334	Ave		0.7007				6.3		30.0			
1,2-Dibromoethane	+++++ 0.6685	0.7152 0.6826	0.6192 0.6832	0.6610 0.6611	0.6700 0.6117	Ave		0.6636				4.8		30.0			
Tetrachloroethene	+++++ 0.4767	0.5495 0.4576	0.4995 0.4428	0.5060 0.4067	0.4932 0.3610	Ave		0.4659				12.2		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

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 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Chlorobenzene	+++++ 0.9863	+++++ 0.9785	1.0785 0.9637	1.0302 0.9039	1.0209 0.8316	Ave		0.9742				7.9		30.0			
Ethylbenzene	+++++ 1.6536	1.9808 1.6258	1.7964 1.5846	1.7309 1.4913	1.6926 1.3711	Ave		1.6586				10.6		30.0			
m-Xylene & p-Xylene	+++++ 1.2790	1.5989 1.2713	1.4144 1.2085	1.3587 1.1218	1.2998 0.9741	Ave		1.2807				13.8		30.0			
Bromoform	0.6810 0.6956	0.5773 0.7556	0.5444 0.8200	0.6075 0.8079	0.5953 0.7314	Ave		0.6816				14.3		30.0			
Nonane	+++++ 1.0183	+++++ 0.9733	+++++ 0.8529	1.0622 0.7531	1.0495 0.5860	Ave		0.8993				19.8		30.0			
Styrene	+++++ 0.8882	0.9071 0.9040	0.8066 0.8571	0.8479 0.7980	0.8402 0.7174	Ave		0.8407				7.2		30.0			
o-Xylene	+++++ 1.3183	+++++ 1.3207	1.4731 1.2191	1.4429 1.1174	1.3702 1.0276	Ave		1.2862				12.1		30.0			
1,1,2,2-Tetrachloroethane	+++++ 1.0091	+++++ 0.9980	1.0874 0.9599	1.0834 0.8713	1.0410 0.7979	Ave		0.9810				10.4		30.0			
1,2,3-Trichloropropane	0.2621 0.2377	0.2410 0.2407	0.2541 0.2360	0.2572 0.2180	0.2453 0.2032	Ave		0.2395				7.5		30.0			
Isopropylbenzene	+++++ 1.7526	+++++ 1.7549	1.9251 1.6449	1.9266 1.5392	1.8000 1.4246	Ave		1.7210				10.3		30.0			
Propylbenzene	+++++ 0.4824	0.5192 0.4909	0.4813 0.4767	0.5145 0.4499	0.5034 0.4247	Ave		0.4825				6.3		30.0			
2-Chlorotoluene	+++++ 0.4296	+++++ 0.4303	0.4677 0.4022	0.4742 0.3781	0.4449 0.3467	Ave		0.4217				10.4		30.0			
4-Ethyltoluene	+++++ 1.7815	1.8201 1.7505	1.7438 1.7125	1.8498 1.5988	1.7081 1.4855	Ave		1.7167				6.6		30.0			
1,3,5-Trimethylbenzene	+++++ 0.7080	0.8565 0.7004	0.8300 0.6608	0.7878 0.6171	0.7369 0.5654	Ave		0.7181				13.4		30.0			
Alpha Methyl Styrene	+++++ 0.6745	+++++ 0.7116	+++++ 0.6976	0.6449 0.6729	0.6581 0.6510	Ave		0.6730				3.6		30.0			
Decane	+++++ 1.3112	+++++ 1.2649	+++++ 1.1551	+++++ 1.0674	1.3430 0.9476	Ave		1.1816				13.0		30.0			
tert-Butylbenzene	+++++ 1.4950	+++++ 1.4610	+++++ 1.3699	1.7287 1.2802	1.6059 1.1402	Ave		1.4401				13.7		30.0			
1,2,4-Trimethylbenzene	+++++ 1.4947	+++++ 1.4445	1.6887 1.3664	1.6462 1.2634	1.5722 1.1100	Ave		1.4483				13.6		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

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 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
sec-Butylbenzene	+++++ 2.1436	+++++ 2.0608	+++++ 1.9174	2.4768 1.7622	2.2809 1.5319	Ave		2.0248				15.7		30.0			
1,3-Dichlorobenzene	+++++ 0.9137	+++++ 0.9156	0.9413 0.8821	0.9585 0.8304	0.9250 0.7329	Ave		0.8874				8.3		30.0			
Benzyl chloride	+++++ 0.9945	+++++ 1.0087	+++++ 0.9953	0.8711 0.9796	0.8904 0.9036	Ave		0.9490				6.1		30.0			
1,4-Dichlorobenzene	+++++ 0.8813	+++++ 0.8925	0.9474 0.8715	0.9199 0.8244	0.8885 0.7565	Ave		0.8727				6.8		30.0			
4-Isopropyltoluene	1.7948 1.7123	1.7912 1.6411	1.7901 1.5431	1.8688 1.4175	1.7855 1.2992	Ave		1.6644				11.3		30.0			
1,2,3-Trimethylbenzene	1.8683 1.4938	1.8446 1.4441	1.6808 1.3539	1.6508 1.2556	1.5426 1.1682	Ave		1.5303				15.4		30.0			
1,2-Dichlorobenzene	+++++ 0.8932	+++++ 0.8641	1.0849 0.8224	1.0212 0.7697	0.9380 0.7013	Ave		0.8868				14.3		30.0			
Indane	+++++ 1.2920	+++++ 1.2138	1.4868 1.1467	1.4415 1.0576	1.3331 0.9320	Ave		1.2379				15.3		30.0			
Indene	+++++ 1.0398	1.0396 1.0221	1.0502 0.9729	1.0808 0.9264	1.0398 0.8646	Ave		1.0040				6.9		30.0			
Butylbenzene	1.5987 1.8031	1.5933 1.6737	1.7117 1.5434	1.7684 1.4015	1.8186 1.2432	Ave		1.6156				11.4		30.0			
Undecane	+++++ 1.5321	+++++ 1.4728	+++++ 1.3432	1.4617 1.1981	1.4073 1.0553	Ave		1.3529				12.6		30.0			
1,2-Dibromo-3-Chloropropane	0.4452 0.4712	0.3693 0.4584	0.3413 0.4465	0.4220 0.4210	0.4124 0.3969	Ave		0.4184				9.7		30.0			
1,2,4,5-Tetramethylbenzene	1.6128 1.7872	1.5610 1.6600	1.6165 1.4864	1.7714 1.3194	1.7219 1.2321	Ave		1.5769				11.7		30.0			
Dodecane	+++++ 1.5886	+++++ 1.4776	+++++ 1.4073	+++++ 1.2272	1.4393 1.1578	Ave		1.3830				11.7		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7607	+++++ 0.7802	0.5476 0.7775	0.6560 0.6977	0.6535 0.6804	Lin2	-0.015	0.7378							0.9960		0.9900
Naphthalene	+++++ 1.7421	1.0459 1.5753	1.3061 1.4421	1.4865 1.1910	1.4383 +++++	QuaF		1.7043	-0.064224						1.0000		0.9900
Hexachlorobutadiene	+++++ 0.9123	+++++ 0.8548	1.1025 0.7924	1.0327 0.7031	0.9100 0.6515	Ave		0.8699				17.7		30.0			
1,2,3-Trichlorobenzene	+++++ 0.8422	+++++ 0.7781	+++++ 0.7495	0.8121 0.6344	0.7454 0.5650	Ave		0.7324				13.5		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

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 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
2-Methylnaphthalene	+++++ 0.3383	+++++ 0.3660	+++++ 0.3764	+++++ 0.4177	+++++ 0.5785	Ave		0.4154				23.0		50.0			
1-Methylnaphthalene	+++++ 0.5114	+++++ 0.5364	+++++ 0.4537	+++++ 0.4130	0.4581 0.5333	Ave		0.4843				10.3		50.0			
4-Bromofluorobenzene (Surr)	0.6988 0.7255	0.7138 0.7165	0.7103 0.6900	0.7156 0.6713	0.7162 0.6451	Ave		0.7003				3.6		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-47023/9	RB17IC01.D
Level 2	IC 140-47023/10	RB17IC02.D
Level 3	IC 140-47023/11	RB17IC03.D
Level 4	IC 140-47023/12	RB17IC04.D
Level 5	IC 140-47023/13	RB17IC05.D
Level 6	IC 140-47023/14	RB17IC06.D
Level 7	ICIS 140-47023/15	RB17IC07.D
Level 8	IC 140-47023/7	RB17IC08.D
Level 9	IC 140-47023/5	RB17IC09.D
Level 10	IC 140-47023/3	RB17IC10.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Chlorodifluoromethane	CBM	Ave	+++++ 224149	9788 456000	17374 863966	36023 1681367	90234 3007996	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Propene	CBM	Ave	+++++ 106121	+++++ 210681	8834 397318	17785 766743	42669 1372706	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Dichlorodifluoromethane	CBM	Ave	+++++ 147113	+++++ 310641	11675 584938	24412 1151513	61418 1858388	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloromethane	CBM	Ave	+++++ 40801	+++++ 80459	+++++ 150232	6072 287069	17256 476860	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,2-Dichlorotetrafluoroethane	CBM	Ave	+++++ 150281	+++++ 309819	12118 595941	25831 1105610	62320 1724841	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl chloride	CBM	Ave	+++++ 122952	4943 246196	9415 464057	19700 875907	47997 1374787	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Butane	CBM	Ave	+++++ 175609	+++++ 345263	+++++ 648076	30795 1158007	72083 1896780	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,3-Butadiene	CBM	Ave	+++++ 93813	+++++ 192270	7731 367117	16067 681968	36779 1108198	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromomethane	CBM	Ave	+++++ 91275	+++++ 191248	8190 390204	15671 747235	37633 1206828	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroethane	CBM	Ave	+++++ 45674	+++++ 93059	4255 189054	7785 363286	18585 581475	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethanol	CBM	Ave	+++++ 183081	+++++ 384325	13003 739362	29879 1350493	73355 2320750	+++++ 5.00	+++++ 10.0	0.400 20.0	0.800 40.0	2.00 80.0
Vinyl bromide	CBM	Ave	+++++ 86421	+++++ 179595	6410 366027	12635 706148	33097 1157324	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
2-Methylbutane	CBM	Ave	+++++	+++++	9389	18528	45564	+++++	+++++	0.0800	0.160	0.400
			118406	235226	449706	834776	1390629	1.00	2.00	4.00	8.00	16.0
Trichlorofluoromethane	CBM	Ave	+++++	10255	19927	40368	98786	+++++	0.0400	0.0800	0.160	0.400
			248775	530190	1027722	2028762	3224121	1.00	2.00	4.00	8.00	16.0
Acrolein	CBM	Ave	+++++	+++++	+++++	4998	9906	+++++	+++++	+++++	0.160	0.400
			30860	63649	124687	259360	427947	1.00	2.00	4.00	8.00	16.0
Acetonitrile	CBM	Ave	+++++	+++++	+++++	+++++	12310	+++++	+++++	+++++	+++++	0.400
			33534	69234	131828	264509	503762	1.00	2.00	4.00	8.00	16.0
Acetone	CBM	Ave	+++++	+++++	+++++	+++++	71744	+++++	+++++	+++++	+++++	1.20
			202504	331332	598474	1172983	1939475	3.00	6.00	12.0	24.0	48.0
Pentane	CBM	Ave	+++++	+++++	+++++	2063	5242	+++++	+++++	+++++	0.160	0.400
			13429	28474	52299	96937	158627	1.00	2.00	4.00	8.00	16.0
Isopropyl alcohol	CBM	Ave	+++++	19284	38584	77455	180729	+++++	0.120	0.240	0.480	1.20
			464661	966518	1769340	3173194	5285113	3.00	6.00	12.0	24.0	48.0
Ethyl ether	CBM	Ave	+++++	+++++	9626	19886	48633	+++++	+++++	0.0800	0.160	0.400
			117461	223554	415644	778429	1430763	1.00	2.00	4.00	8.00	16.0
1,1-Dichloroethene	CBM	Ave	+++++	5187	8660	17525	40972	+++++	0.0400	0.0800	0.160	0.400
			102169	203092	397476	802670	1325600	1.00	2.00	4.00	8.00	16.0
Acrylonitrile	CBM	Ave	+++++	+++++	+++++	+++++	24589	+++++	+++++	+++++	+++++	0.400
			68109	138352	281702	590784	1050392	1.00	2.00	4.00	8.00	16.0
t-Butyl alcohol	CBM	Ave	+++++	+++++	+++++	33663	81015	+++++	+++++	+++++	0.160	0.400
			207007	424855	809609	1542620	2554128	1.00	2.00	4.00	8.00	16.0
1,1,2-Trichlorotrifluoroethane	CBM	Ave	+++++	9534	18341	37203	90148	+++++	0.0400	0.0800	0.160	0.400
			223346	433809	830519	1561754	2490870	1.00	2.00	4.00	8.00	16.0
Methylene Chloride	CBM	Ave	+++++	+++++	+++++	+++++	38045	+++++	+++++	+++++	+++++	0.400
			91598	183008	341509	679261	1106638	1.00	2.00	4.00	8.00	16.0
3-Chloropropene	CBM	Ave	+++++	+++++	8943	16271	37762	+++++	+++++	0.0800	0.160	0.400
			97360	192582	353001	660932	1172577	1.00	2.00	4.00	8.00	16.0
Carbon disulfide	CBM	Ave	+++++	12407	23044	49103	115239	+++++	0.0400	0.0800	0.160	0.400
			291294	576444	1119583	2241287	3796282	1.00	2.00	4.00	8.00	16.0
trans-1,2-Dichloroethene	CBM	Ave	+++++	+++++	7281	14682	34968	+++++	+++++	0.0800	0.160	0.400
			95489	187525	375843	750419	1218211	1.00	2.00	4.00	8.00	16.0
2-Methylpentane	CBM	Ave	+++++	+++++	24338	50218	117102	+++++	+++++	0.0800	0.160	0.400
			296759	572942	1068252	1971626	3280828	1.00	2.00	4.00	8.00	16.0
Methyl tert-butyl ether	CBM	Ave	+++++	+++++	22598	45812	109879	+++++	+++++	0.0800	0.160	0.400
			273919	541673	1044512	2070970	3430588	1.00	2.00	4.00	8.00	16.0

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
1,1-Dichloroethane	CBM	Ave	+++++ 225298	10253 441202	18425 843889	37779 1677467	91106 2837815	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl acetate	CBM	Ave	+++++ 256984	+++++ 546354	+++++ 1097062	37621 2234309	96876 4124932	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
2-Butanone	CBM	Ave	+++++ 52582	+++++ 97495	+++++ 189311	8100 383020	19637 642934	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Hexane	CBM	Ave	+++++ 99776	+++++ 194905	8563 371065	17009 706021	40048 1186618	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
cis-1,2-Dichloroethene	CBM	Ave	+++++ 104506	4719 207950	8760 410256	18009 831404	40606 1426152	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethyl acetate	CBM	Ave	+++++ 267693	+++++ 532480	19952 1030481	44143 2023449	102477 3649046	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroform	CBM	Ave	+++++ 215203	+++++ 428668	18402 849397	36152 1678051	86524 2828381	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrahydrofuran	CBM	Ave	+++++ 143313	+++++ 279846	12338 538876	25231 1047492	55614 1905936	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,1-Trichloroethane	CBM	Ave	+++++ 218215	9230 435136	17930 865655	35691 1756110	86494 2957133	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichloroethane	DFBZ	Ave	+++++ 151818	6403 308224	12412 606404	25321 1239359	60422 2129103	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Benzene	DFBZ	Ave	+++++ 319655	+++++ 613951	27662 1179219	54520 2168125	128614 3284499	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Cyclohexane	DFBZ	Ave	+++++ 50864	+++++ 97354	+++++ 188063	8527 346295	20435 530728	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1-Butanol	DFBZ	Ave	+++++ 48372	+++++ 92821	+++++ 168680	7947 310378	18704 514030	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Carbon tetrachloride	DFBZ	Ave	4214 197295	7450 423571	14621 859889	34322 1461787	73749 2657402	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2,3-Dimethylpentane	DFBZ	Ave	+++++ 72648	2982 144107	5817 273860	12619 519536	29850 862960	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Thiophene	DFBZ	Ave	+++++ 187811	7822 363578	14382 710225	29595 1403539	74460 2392025	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 627190	+++++ 1217985	50951 2353421	102601 4486576	252857 7627252	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Heptane	DFBZ	Ave	+++++ 111465	4648 218455	8923 425343	18605 835990	44968 1386686	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
1,2-Dichloropropane	DFBZ	Ave	+++++ 154835	+++++ 295685	13558 565823	26380 1071178	62062 1797113	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Trichloroethene	DFBZ	Ave	3746 129984	6005 253081	11073 499518	21807 950798	51270 1528225	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Dibromomethane	DFBZ	Ave	+++++ 120753	+++++ 244888	9952 479659	19861 940689	49274 1564550	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromodichloromethane	DFBZ	Ave	+++++ 217569	8879 431103	17218 865960	34633 1690279	85180 2794921	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,4-Dioxane	DFBZ	Ave	+++++ 46855	+++++ 95958	3950 184486	8154 347807	18844 548911	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methyl methacrylate	DFBZ	Ave	+++++ 155626	+++++ 308880	+++++ 606216	23067 1165916	58552 2101575	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Methylcyclohexane	DFBZ	Ave	+++++ 199705	8631 392659	16558 769381	33755 1498683	82213 2504933	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
4-Methyl-2-pentanone (MIBK)	DFBZ	Ave	6266 298984	11878 594254	20326 1142052	44425 2179623	116401 3861047	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
cis-1,3-Dichloropropene	DFBZ	Ave	3921 169432	6641 347002	11651 697035	25102 1400227	65205 2403615	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
trans-1,3-Dichloropropene	CBZd 5	Ave	2888 134292	4783 287788	8843 602584	21870 1294621	49722 2277905	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Toluene	CBZd 5	Ave	+++++ 376676	+++++ 752824	32980 1482770	63414 2891991	152522 4905222	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,2-Trichloroethane	CBZd 5	Ave	+++++ 122778	+++++ 242124	10244 471108	20318 893368	49377 1501492	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Hexanone	CBZd 5	Ave	+++++ 139554	+++++ 288166	+++++ 581811	17906 1157293	49968 2037857	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
C8 Range	DFBZ	Ave	+++++ 1248069	+++++ 2377215	+++++ 4514069	203746 8475506	488047 14349761	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Octane	CBZd 5	Ave	+++++ 114725	4555 225223	9308 443094	18139 851244	45124 1424307	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Dibromochloromethane	CBZd5	Ave	4428	7524	14369	30489	75437	0.0200	0.0400	0.0800	0.160	0.400
			203131	421874	875953	1684566	2823079	1.00	2.00	4.00	8.00	16.0
1,2-Dibromoethane	CBZd5	Ave	+++++	7939	13839	29333	73601	+++++	0.0400	0.0800	0.160	0.400
			187408	389505	801032	1590284	2726224	1.00	2.00	4.00	8.00	16.0
Tetrachloroethene	CBZd5	Ave	+++++	6100	11163	22453	54176	+++++	0.0400	0.0800	0.160	0.400
			133641	261123	519132	978412	1609157	1.00	2.00	4.00	8.00	16.0
Chlorobenzene	CBZd5	Ave	+++++	+++++	24104	45715	112148	+++++	+++++	0.0800	0.160	0.400
			276471	558383	1129936	2174283	3706502	1.00	2.00	4.00	8.00	16.0
Ethylbenzene	CBZd5	Ave	+++++	21988	40151	76811	185940	+++++	0.0400	0.0800	0.160	0.400
			463529	927719	1857884	3587309	6110736	1.00	2.00	4.00	8.00	16.0
m-Xylene & p-Xylene	CBZd5	Ave	+++++	35499	63223	120592	285564	+++++	0.0800	0.160	0.320	0.800
			717060	1450881	2833767	5397004	8683204	2.00	4.00	8.00	16.0	32.0
Bromoform	CBZd5	Ave	3928	6409	12167	26960	65400	0.0200	0.0400	0.0800	0.160	0.400
			194996	431146	961379	1943358	3259763	1.00	2.00	4.00	8.00	16.0
Nonane	CBZd5	Ave	+++++	+++++	+++++	47136	115287	+++++	+++++	+++++	0.160	0.400
			285462	555382	999986	1811500	2611757	1.00	2.00	4.00	8.00	16.0
Styrene	CBZd5	Ave	+++++	10070	18029	37625	92294	+++++	0.0400	0.0800	0.160	0.400
			248994	515844	1004950	1919473	3197429	1.00	2.00	4.00	8.00	16.0
o-Xylene	CBZd5	Ave	+++++	+++++	32924	64029	150520	+++++	+++++	0.0800	0.160	0.400
			369542	753662	1429357	2687986	4580093	1.00	2.00	4.00	8.00	16.0
1,1,2,2-Tetrachloroethane	CBZd5	Ave	+++++	+++++	24303	48078	114355	+++++	+++++	0.0800	0.160	0.400
			282863	569513	1125477	2095889	3556219	1.00	2.00	4.00	8.00	16.0
1,2,3-Trichloropropane	CBZd5	Ave	1512	2675	5679	11415	26950	0.0200	0.0400	0.0800	0.160	0.400
			66645	137346	276707	524294	905542	1.00	2.00	4.00	8.00	16.0

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Isopropylbenzene	CBZd 5	Ave	+++++ 491290	+++++ 1001399	43026 1928582	85497 3702415	197732 6349141	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Propylbenzene	CBZd 5	Ave	+++++ 135220	5763 280119	10758 558870	22830 1082325	55299 1892837	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Chlorotoluene	CBZd 5	Ave	+++++ 120433	+++++ 245517	10454 471543	21043 909451	48870 1545279	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
4-Ethyltoluene	CBZd 5	Ave	+++++ 499387	20205 998882	38975 2007832	82089 3845850	187642 6620801	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,3,5-Trimethylbenzene	CBZd 5	Ave	+++++ 198464	9508 399668	18552 774716	34962 1484530	80946 2520156	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Alpha Methyl Styrene	CBZd 5	Ave	+++++ 189079	+++++ 406065	+++++ 817902	28620 1618639	72295 2901521	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Decane	CBZd 5	Ave	+++++ 367558	+++++ 721794	+++++ 1354313	+++++ 2567707	147535 4223551	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
tert-Butylbenzene	CBZd 5	Ave	+++++ 419088	+++++ 833709	+++++ 1606219	76713 3079495	176410 5081790	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,2,4-Trimethylbenzene	CBZd 5	Ave	+++++ 418991	+++++ 824276	37744 1602050	73052 3039185	172708 4947289	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
sec-Butylbenzene	CBZd 5	Ave	+++++ 600886	+++++ 1175986	+++++ 2248112	109913 4238903	250559 6827626	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,3-Dichlorobenzene	CBZd 5	Ave	+++++ 256124	+++++ 522466	21039 1034227	42536 1997540	101617 3266708	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Benzyl chloride	CBZd 5	Ave	+++++ 278787	+++++ 575625	+++++ 1166905	38657 2356399	97813 4027102	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
1,4-Dichlorobenzene	CBZd5	Ave	+++++ 247043	+++++ 509290	21174 1021847	40820 1982973	97607 3371700	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
4-Isopropyltoluene	CBZd5	Ave	10352 480007	19884 936477	40009 1809260	82930 3409731	196139 5790587	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,3-Trimethylbenzene	CBZd5	Ave	10776 418750	20476 824032	37566 1587366	73255 3020298	169460 5206745	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichlorobenzene	CBZd5	Ave	+++++ 250378	+++++ 493058	24249 964192	45316 1851482	103036 3125673	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Indane	CBZd5	Ave	+++++ 362188	+++++ 692613	33231 1344438	63968 2544136	146445 4154056	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Indene	CBZd5	Ave	+++++ 291467	11540 583236	23473 1140656	47963 2228553	114227 3853680	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Butylbenzene	CBZd5	Ave	9221 505437	17687 955054	38257 1809547	78475 3371335	199775 5541069	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Undecane	CBZd5	Ave	+++++ 429476	+++++ 840406	+++++ 1574847	64864 2881893	154594 4703628	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,2-Dibromo-3-Chloropropane	CBZd5	Ave	2568 132084	4100 261565	7629 523561	18727 1012683	45298 1768781	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,4,5-Tetramethylbenzene	CBZd5	Ave	9302 501005	17328 947233	36130 1742741	78607 3173837	189154 5491343	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Dodecane	CBZd5	Ave	+++++ 445313	+++++ 843178	+++++ 1650004	+++++ 2951988	158104 5160356	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
1,2,4-Trichlorobenzene	CBZd5	Lin2	+++++ 213246	+++++ 445199	12239 911556	29113 1678297	71788 3032571	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Naphthalene	CBZd 5	QuaF	+++++	11610	29193	65964	158005	+++++	0.0400	0.0800	0.160	0.400
			488348	898938	1690841	2864995	+++++	1.00	2.00	4.00	8.00	+++++
Hexachlorobutadiene	CBZd 5	Ave	+++++	+++++	24642	45826	99969	+++++	+++++	0.0800	0.160	0.400
			255739	487763	929114	1691352	2903784	1.00	2.00	4.00	8.00	16.0
1,2,3-Trichlorobenzene	CBZd 5	Ave	+++++	+++++	+++++	36040	81883	+++++	+++++	+++++	0.160	0.400
			236089	443990	878763	1526088	2518382	1.00	2.00	4.00	8.00	16.0
2-Methylnaphthalene	CBZd 5	Ave	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
			94833	208864	441355	1004767	2578635	1.00	2.00	4.00	8.00	16.0
1-Methylnaphthalene	CBZd 5	Ave	+++++	+++++	+++++	+++++	50324	+++++	+++++	+++++	+++++	0.400
			143360	306096	531977	993428	2376999	1.00	2.00	4.00	8.00	16.0
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	935122	919166	920832	920970	912620	4.64	4.64	4.64	4.64	4.64
			943641	948587	938469	936566	833839	4.64	4.64	4.64	4.64	4.64

Curve Type Legend

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-47023/9	RB17IC01.D
Level 2	IC 140-47023/10	RB17IC02.D
Level 3	IC 140-47023/11	RB17IC03.D
Level 4	IC 140-47023/12	RB17IC04.D
Level 5	IC 140-47023/13	RB17IC05.D
Level 6	IC 140-47023/14	RB17IC06.D
Level 7	ICIS 140-47023/15	RB17IC07.D
Level 8	IC 140-47023/7	RB17IC08.D
Level 9	IC 140-47023/5	RB17IC09.D
Level 10	IC 140-47023/3	RB17IC10.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
Chlorodifluoromethane	+++++	9.2						50				
Propene	+++++	+++++	7.3						50			
Dichlorodifluoromethane	+++++	+++++	0.3						50			
Chloromethane	+++++	+++++	+++++	-0.3						50		
1,2-Dichlorotetrafluoroethane	+++++	+++++	3.5						50			
Vinyl chloride	+++++	4.8						50				
Butane	+++++	+++++	+++++	17.2						50		
1,3-Butadiene	+++++	+++++	6.4						50			
Bromomethane	+++++	+++++	9.3						50			
Chloroethane	+++++	+++++	14.9						50			
Ethanol	+++++	+++++	-7.8						50			
Vinyl bromide	+++++	+++++	-4.6						50			
2-Methylbutane	+++++	+++++	5.6						50			
Trichlorofluoromethane	+++++	1.5						50				

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
Acrolein	+++++	+++++	+++++	4.3						50		
Acetonitrile	+++++	+++++	+++++	+++++	-4.3						50	
Acetone	+++++	+++++	+++++	+++++	13.7						80	
Pentane	+++++	+++++	+++++	1.4						50		
Isopropyl alcohol	+++++	6.0						50				
Ethyl ether	+++++	+++++	8.3						50			
1,1-Dichloroethene	+++++	22.4						50				
Acrylonitrile	+++++	+++++	+++++	+++++	-8.1						50	
t-Butyl alcohol	+++++	+++++	+++++	5.8						50		
1,1,2-Trichlorotrifluoroethane	+++++	9.5						50				
Methylene Chloride	+++++	+++++	+++++	+++++	12.4						80	
3-Chloropropene	+++++	+++++	19.6						50			
Carbon disulfide	+++++	6.6						50				
trans-1,2-Dichloroethene	+++++	+++++	0.4						50			
2-Methylpentane	+++++	+++++	9.7						50			
Methyl tert-butyl ether	+++++	+++++	6.2						50			
1,1-Dichloroethane	+++++	13.5						50				
Vinyl acetate	+++++	+++++	+++++	-9.9						50		
2-Butanone	+++++	+++++	+++++	4.9						50		
Hexane	+++++	+++++	11.5						50			
cis-1,2-Dichloroethene	+++++	10.2						50				

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
Ethyl acetate	+++++	+++++	-3.2						50			
Chloroform	+++++	+++++	7.9						50			
Tetrahydrofuran	+++++	+++++	9.9						50			
1,1,1-Trichloroethane	+++++	4.4						50				
1,2-Dichloroethane	+++++	2.1						50				
Benzene	+++++	+++++	13.4						50			
Cyclohexane	+++++	+++++	+++++	11.6						50		
1-Butanol	+++++	+++++	+++++	11.9						50		
Carbon tetrachloride	3.3						50					
2,3-Dimethylpentane	+++++	3.0						50				
Thiophene	+++++	5.6						50				
2,2,4-Trimethylpentane	+++++	+++++	5.1						50			
Heptane	+++++	4.2						50				
1,2-Dichloropropane	+++++	+++++	13.2						50			
Trichloroethene	34.6						50					
Dibromomethane	+++++	+++++	3.1						50			
Bromodichloromethane	+++++	2.0						50				
1,4-Dioxane	+++++	+++++	6.3						50			
Methyl methacrylate	+++++	+++++	+++++	-4.3						50		
Methylcyclohexane	+++++	6.5						50				
4-Methyl-2-pentanone (MIBK)	6.0						50					

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
cis-1,3-Dichloropropene	12.3						50					
trans-1,3-Dichloropropene	3.9						50					
Toluene	+++++	+++++	12.2						50			
1,1,2-Trichloroethane	+++++	+++++	9.8						50			
2-Hexanone	+++++	+++++	+++++	-14.3						50		
Octane	+++++	5.5						50				
Dibromochloromethane	9.6						50					
1,2-Dibromoethane	+++++	7.8						50				
Tetrachloroethene	+++++	17.9						50				
Chlorobenzene	+++++	+++++	10.7						50			
Ethylbenzene	+++++	19.4						50				
m-Xylene & p-Xylene	+++++	24.8						50				
Bromoform	-0.1						50					
Nonane	+++++	+++++	+++++	18.1						50		
Styrene	+++++	7.9						50				
o-Xylene	+++++	+++++	14.5						50			
1,1,2,2-Tetrachloroethane	+++++	+++++	10.8						50			
1,2,3-Trichloropropane	9.4						50					
Isopropylbenzene	+++++	+++++	11.9						50			
Propylbenzene	+++++	7.6						50				
2-Chlorotoluene	+++++	+++++	10.9						50			

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
4-Ethyltoluene	+++++	6.0						50				
1,3,5-Trimethylbenzene	+++++	19.3						50				
Alpha Methyl Styrene	+++++	+++++	+++++	-4.2						50		
Decane	+++++	+++++	+++++	+++++	13.7						50	
tert-Butylbenzene	+++++	+++++	+++++	20.0						50		
1,2,4-Trimethylbenzene	+++++	+++++	16.6						50			
sec-Butylbenzene	+++++	+++++	+++++	22.3						50		
1,3-Dichlorobenzene	+++++	+++++	6.1						50			
Benzyl chloride	+++++	+++++	+++++	-8.2						50		
1,4-Dichlorobenzene	+++++	+++++	8.6						50			
4-Isopropyltoluene	7.8						50					
1,2,3-Trimethylbenzene	22.1						50					
1,2-Dichlorobenzene	+++++	+++++	22.3						50			
Indane	+++++	+++++	20.1						50			
Indene	+++++	3.5						50				
Butylbenzene	-1.0						50					
Undecane	+++++	+++++	+++++	8.0						50		
1,2-Dibromo-3-Chloropropane	6.4						50					
1,2,4,5-Tetramethylbenzene	2.3						50					
Dodecane	+++++	+++++	+++++	+++++	4.1						50	
1,2,4-Trichlorobenzene	+++++	+++++	-0.3						50			

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47023

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/17/2021 11:25 Calibration End Date: 02/17/2021 20:59 Calibration ID: 2900

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
Naphthalene	+++++	-38.6		+++++				80				
Hexachlorobutadiene	+++++	+++++	26.7						50			
1,2,3-Trichlorobenzene	+++++	+++++	+++++	10.9						50		
2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	-18.6						80
1-Methylnaphthalene	+++++	+++++	+++++	+++++	-5.4						80	

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC10.D
Lims ID: IC L10
Client ID:
Sample Type: IC Calib Level: 10
Inject. Date: 17-Feb-2021 11:25:30 ALS Bottle#: 8 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018243-003
Misc. Info.: 355831
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Feb-2021 15:49:42 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: tajh Date: 17-Feb-2021 13:39:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.242	8.231	0.011	94	285381	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.447	10.437	0.010	95	1448207	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.274	15.269	0.005	90	1337082	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.924	16.924	0.000	96	833839	4.64	4.27	
6 Chlorodifluoromethane	51	3.410	3.413	-0.003	96	3007996	16.0	15.0	
7 Propene	41	3.421	3.423	-0.002	99	1372706	16.0	14.6	
8 Dichlorodifluoromethane	85	3.470	3.470	0.000	100	1858388	16.0	14.0	
9 Chloromethane	52	3.632	3.631	0.001	99	476860	16.0	13.7	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.637	3.637	0.000	96	1724841	16.0	12.9	
11 Acetaldehyde	44	3.772	3.777	-0.005	92	2380429	80.0	62.7	
12 Vinyl chloride	62	3.783	3.784	-0.001	98	1374787	16.0	13.0	
13 Butane	43	3.863	3.863	0.000	85	1896780	16.0	12.7	
14 Butadiene	54	3.863	3.863	0.000	69	1108198	16.0	13.4	
15 Bromomethane	94	4.149	4.149	0.000	99	1206828	16.0	14.1	
16 Chloroethane	64	4.279	4.277	0.002	98	581475	16.0	13.8	
17 Ethanol	31	4.397	4.392	0.005	90	2320750	80.0	72.1	
18 Vinyl bromide	106	4.548	4.547	0.001	98	1157324	16.0	15.1	
19 2-Methylbutane	43	4.591	4.592	-0.001	91	1390629	16.0	13.7	
20 Trichlorofluoromethane	101	4.796	4.790	0.006	99	3224121	16.0	14.2	
21 Acrolein	56	4.807	4.810	-0.003	91	427947	16.0	15.6	
22 Acetonitrile	40	4.877	4.872	0.005	100	503762	16.0	16.8	
23 Acetone	58	4.915	4.928	-0.013	97	1939475	48.0	39.5	
24 Pentane	72	4.996	4.995	0.001	97	158627	16.0	13.7	
25 Isopropyl alcohol	45	5.023	5.029	-0.006	97	5285113	48.0	38.9	
26 Ethyl ether	31	5.158	5.176	-0.018	95	1430763	16.0	14.1	
27 1,1-Dichloroethene	96	5.454	5.447	0.007	95	1325600	16.0	14.0	
28 Acrylonitrile	53	5.562	5.563	-0.001	95	1050392	16.0	16.8	
29 2-Methyl-2-propanol	59	5.573	5.600	-0.027	94	2554128	16.0	14.1	
30 112TCTFE	101	5.621	5.617	0.004	97	2490870	16.0	12.8	
31 Methylene Chloride	84	5.783	5.775	0.008	96	1106638	16.0	14.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.799	5.793	0.006	94	1172577	16.0	13.7	
33 Carbon disulfide	76	5.929	5.925	0.004	99	3796282	16.0	14.6	
34 trans-1,2-Dichloroethene	96	6.554	6.551	0.003	94	1218211	16.0	14.7	
35 2-Methylpentane	43	6.576	6.572	0.004	96	3280828	16.0	13.0	
36 Methyl tert-butyl ether	73	6.678	6.709	-0.031	97	3430588	16.0	14.1	
37 1,1-Dichloroethane	63	6.964	6.954	0.010	99	2837815	16.0	14.0	
38 Vinyl acetate	43	7.072	7.077	-0.005	100	4124932	16.0	17.3	
39 2-Butanone (MEK)	72	7.498	7.518	-0.020	96	642934	16.0	14.6	
40 Hexane	56	7.530	7.523	0.007	91	1186618	16.0	13.5	
41 Isopropyl ether	45	7.687	7.707	-0.020	98	5193615	16.0	13.9	
42 cis-1,2-Dichloroethene	96	7.918	7.910	0.008	98	1426152	16.0	14.9	
43 Ethyl acetate	43	8.113	8.125	-0.012	99	3649046	16.0	15.5	
44 Chloroform	83	8.258	8.246	0.012	97	2828381	16.0	14.5	
45 Tert-butyl ethyl ether	59	8.350	8.372	-0.022	96	4571198	16.0	14.0	
46 Tetrahydrofuran	42	8.641	8.674	-0.033	95	1905936	16.0	14.9	
47 1,1,1-Trichloroethane	97	9.261	9.254	0.007	97	2957133	16.0	14.9	
48 1,2-Dichloroethane	62	9.369	9.361	0.008	96	2129103	16.0	15.4	
51 Benzene	78	9.865	9.855	0.010	97	3284499	16.0	12.0	
50 Cyclohexane	69	9.854	9.855	-0.001	87	530728	16.0	12.5	
52 Carbon tetrachloride	117	9.887	9.880	0.007	97	2657402	16.0	15.1	
49 n-Butanol	31	9.838	9.881	-0.043	76	514030	16.0	13.0	
53 2,3-Dimethylpentane	71	10.000	9.997	0.003	91	862960	16.0	13.6	
54 Thiophene	84	10.151	10.139	0.012	99	2392025	16.0	14.7	
55 Isooctane	57	10.674	10.670	0.004	98	7627252	16.0	14.1	
56 n-Heptane	71	11.073	11.066	0.007	92	1386686	16.0	14.1	
57 1,2-Dichloropropane	63	11.132	11.128	0.004	94	1797113	16.0	13.4	
58 Trichloroethene	130	11.175	11.167	0.008	94	1528225	16.0	12.7	
59 Dibromomethane	93	11.256	11.249	0.007	93	1564550	16.0	14.5	
60 Dichlorobromomethane	83	11.407	11.403	0.004	98	2794921	16.0	14.6	
61 1,4-Dioxane	88	11.429	11.461	-0.032	90	548911	16.0	13.2	
62 Methyl methacrylate	41	11.526	11.533	-0.007	92	2101575	16.0	15.7	
63 Methylcyclohexane	83	11.963	11.960	0.003	93	2504933	16.0	14.1	
64 4-Methyl-2-pentanone (MIBK)	43	12.394	12.416	-0.022	97	3861047	16.0	15.1	
65 cis-1,3-Dichloropropene	75	12.443	12.441	0.002	95	2403615	16.0	16.0	
66 trans-1,3-Dichloropropene	75	13.160	13.157	0.003	100	2277905	16.0	17.0	
67 Toluene	91	13.278	13.275	0.003	93	4905222	16.0	13.4	
68 1,1,2-Trichloroethane	83	13.354	13.352	0.002	97	1501492	16.0	12.9	
69 2-Hexanone	58	13.758	13.778	-0.020	93	2037857	16.0	15.5	
70 n-Octane	85	14.001	14.002	-0.001	94	1424307	16.0	13.1	
71 Chlorodibromomethane	129	14.060	14.058	0.002	98	2823079	16.0	14.5	
72 Ethylene Dibromide	107	14.357	14.353	0.004	99	2726224	16.0	14.7	
73 Tetrachloroethene	129	14.438	14.435	0.003	94	1609157	16.0	12.4	
74 Chlorobenzene	112	15.322	15.318	0.004	93	3706502	16.0	13.7	
75 2,3-Dimethylheptane	43	15.365	15.364	0.001	95	4743640	16.0	11.8	
76 Ethylbenzene	91	15.619	15.618	0.001	98	6110736	16.0	13.2	
77 m-Xylene & p-Xylene	91	15.786	15.781	0.005	97	8683204	32.0	24.3	
79 Bromoform	173	16.217	16.217	0.000	98	3259763	16.0	17.2	
78 n-Nonane	57	16.228	16.224	0.004	87	2611757	16.0	10.4	
80 Styrene	104	16.250	16.247	0.003	100	3197429	16.0	13.7	
81 o-Xylene	91	16.309	16.308	0.001	100	4580093	16.0	12.8	
82 1,1,2,2-Tetrachloroethane	83	16.633	16.634	-0.001	99	3556219	16.0	13.0	
83 1,2,3-Trichloropropane	110	16.794	16.794	0.000	98	905542	16.0	13.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	16.902	16.900	0.002	97	6349141	16.0	13.2	
85 N-Propylbenzene	120	17.452	17.452	0.000	99	1892837	16.0	14.1	
86 2-Chlorotoluene	126	17.490	17.490	0.000	97	1545279	16.0	13.2	
87 4-Ethyltoluene	105	17.609	17.610	-0.001	98	6620801	16.0	13.8	
88 1,3,5-Trimethylbenzene	120	17.689	17.690	-0.001	92	2520156	16.0	12.6	
89 Alpha Methyl Styrene	118	17.927	17.928	-0.001	89	2901521	16.0	15.5	
90 n-Decane	57	18.008	18.008	0.000	89	4223551	16.0	12.8	
91 tert-Butylbenzene	119	18.126	18.126	0.000	94	5081790	16.0	12.7	
92 1,2,4-Trimethylbenzene	105	18.142	18.143	-0.001	96	4947289	16.0	12.3	
93 sec-Butylbenzene	105	18.407	18.407	0.000	98	6827626	16.0	12.1	
94 1,3-Dichlorobenzene	146	18.412	18.413	-0.001	97	3266708	16.0	13.2	
95 Benzyl chloride	91	18.493	18.492	0.001	98	4027102	16.0	15.2	
96 1,4-Dichlorobenzene	146	18.504	18.504	0.000	94	3371700	16.0	13.9	
97 4-Isopropyltoluene	119	18.579	18.577	0.002	96	5790587	16.0	12.5	
98 1,2,3-Trimethylbenzene	105	18.628	18.624	0.004	98	5206745	16.0	12.2	M
99 Butylcyclohexane	83	18.687	18.687	0.000	94	4194659	16.0	12.1	
101 1,2-Dichlorobenzene	146	18.870	18.872	-0.002	94	3125673	16.0	12.7	
100 2,3-Dihydroindene	117	18.876	18.872	0.004	93	4154056	16.0	12.0	
102 Indene	116	19.005	19.005	0.000	90	3853680	16.0	13.8	
103 n-Butylbenzene	91	19.021	19.022	-0.001	97	5541069	16.0	12.3	
104 Undecane	57	19.356	19.357	-0.001	93	4703628	16.0	12.5	
105 1,2-Dibromo-3-Chloropropane	157	19.485	19.487	-0.002	99	1768781	16.0	15.2	
106 1,2,4,5-Tetramethylbenzene	119	19.792	19.792	0.000	96	5491343	16.0	12.5	
107 Dodecane	57	20.418	20.418	0.000	97	5160356	16.0	13.4	
108 1,2,4-Trichlorobenzene	180	20.585	20.587	-0.002	93	3032571	16.0	14.8	
109 Naphthalene	128	20.720	20.719	0.001	99	4804981	16.0	NQ	
110 Hexachlorobutadiene	225	20.941	20.942	-0.001	93	2903784	16.0	12.0	
111 1,2,3-Trichlorobenzene	180	21.006	21.005	0.001	95	2518382	16.0	12.3	
112 2-Methylnaphthalene	142	21.771	21.774	-0.003	100	2578635	16.0	22.3	
113 1-Methylnaphthalene	142	21.906	21.913	-0.007	100	2376999	16.0	17.6	
A 116 C8 Range	1	13.990	(13.947-14.055)		0	14349761	16.0	13.8	
S 117 Xylenes, Total	100				0		48.0	37.1	
S 118 1,2-Dichloroethene, Total	1				0		32.0	29.6	

QC Flag Legend

Processing Flags

NQ - Not Quantifiable

Review Flags

M - Manually Integrated

Reagents:

40L10DQP_00023	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

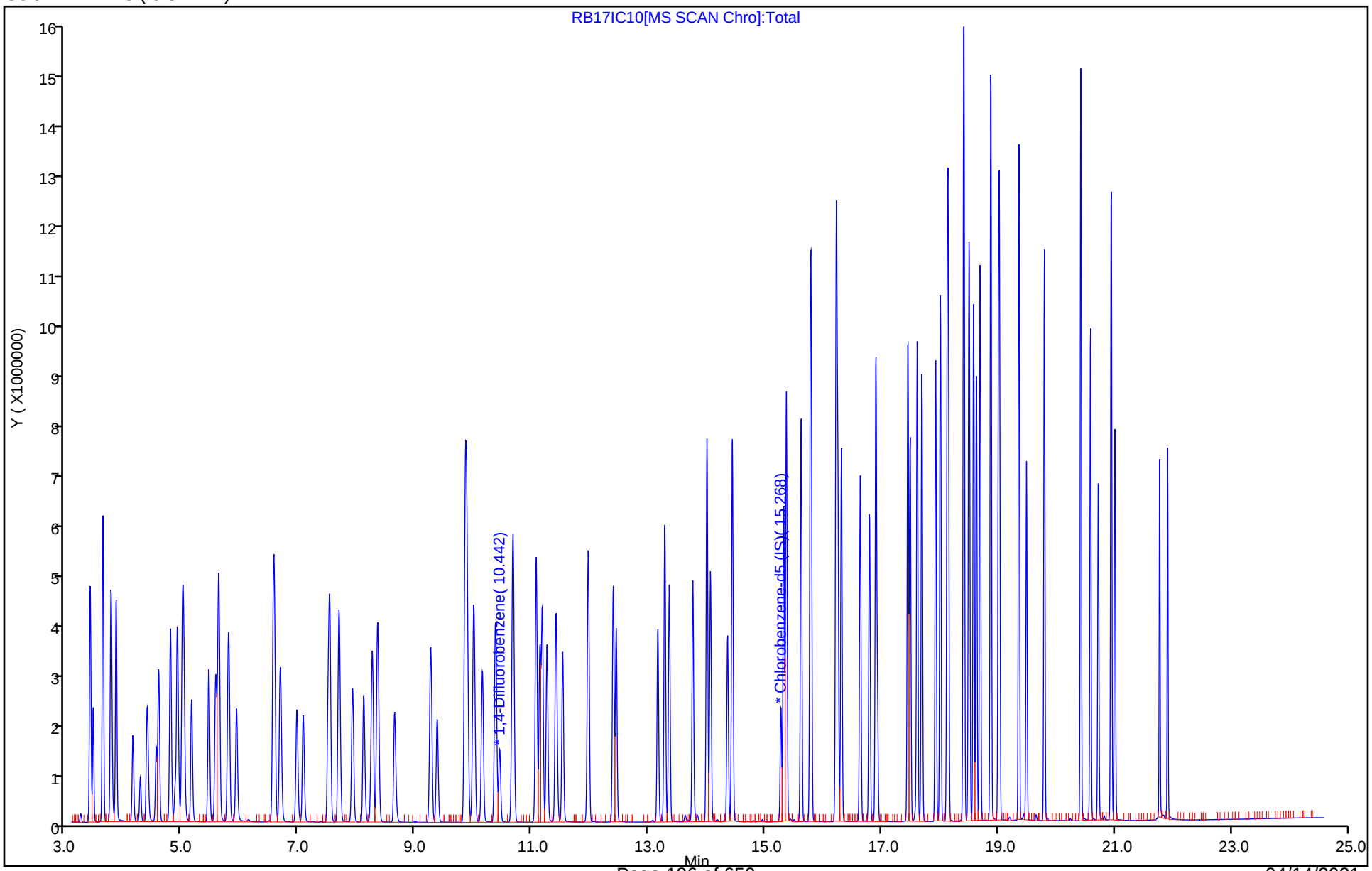
Report Date: 18-Feb-2021 15:49:43 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC10.D

Injection Date:	17-Feb-2021 11:25:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L10			Worklist Smp#:	3
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

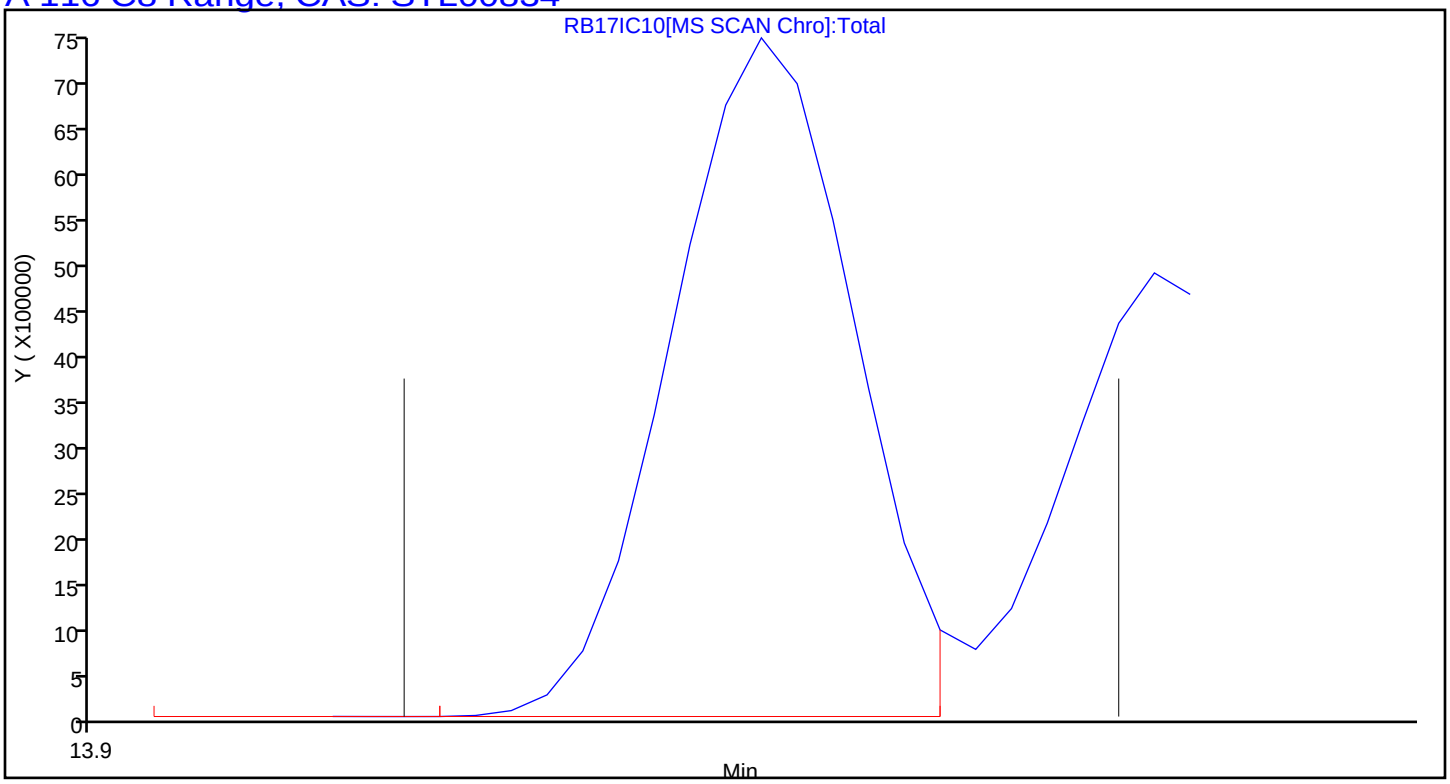


Report Date: 18-Feb-2021 15:49:43 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC10.D				
Injection Date:	17-Feb-2021 11:25:30	Instrument ID:	MR		
Lims ID:	IC L10				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	3
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

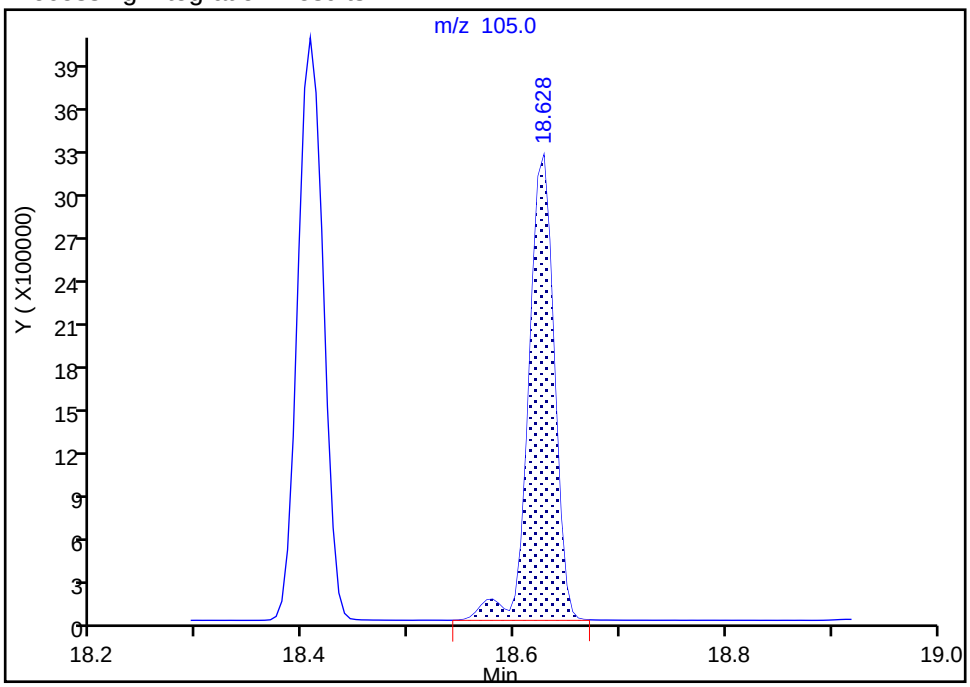
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Injection Date:	17-Feb-2021 11:25:30	Instrument ID:	MR		
Lims ID:	IC L10				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	3
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

98 1,2,3-Trimethylbenzene, CAS: 526-73-8

Signal: 1

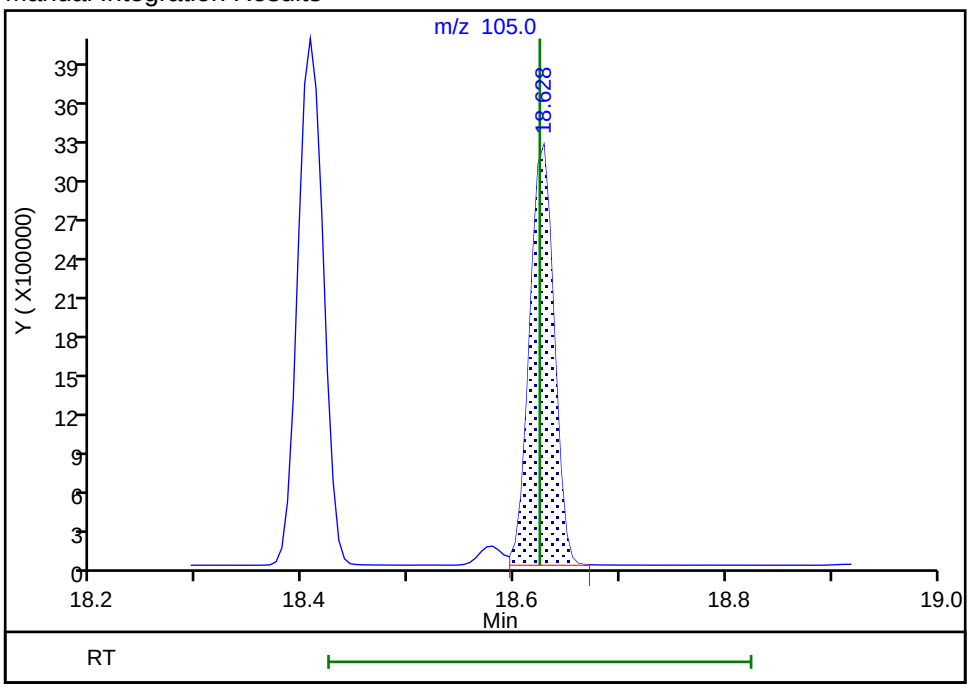
Processing Integration Results

RT: 18.63
Area: 5425258
Amount: 12.686721
Amount Units: ppb v/v



Manual Integration Results

RT: 18.63
Area: 5206745
Amount: 12.214747
Amount Units: ppb v/v



Reviewer: barlozhetskayaa, 18-Feb-2021 15:22:26

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC09.D
Lims ID: IC L9
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 17-Feb-2021 13:01:30 ALS Bottle#: 7 Worklist Smp#: 5
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018243-005
Misc. Info.: 355832
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Feb-2021 15:49:52 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: tajh Date: 17-Feb-2021 13:39:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.236	8.231	0.005	97	323701	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.442	10.437	0.005	95	1608645	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.268	15.269	-0.001	88	1443289	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.924	16.924	0.000	96	936566	4.64	4.45	
6 Chlorodifluoromethane	51	3.416	3.413	0.003	96	1681367	8.00	7.38	
7 Propene	41	3.426	3.423	0.003	99	766743	8.00	7.19	
8 Dichlorodifluoromethane	85	3.470	3.470	0.000	100	1151513	8.00	7.64	
9 Chloromethane	52	3.631	3.631	0.000	99	287069	8.00	7.29	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.637	3.637	0.000	89	1105610	8.00	7.29	
11 Acetaldehyde	44	3.772	3.777	-0.005	93	1477191	40.0	34.3	
12 Vinyl chloride	62	3.782	3.784	-0.002	98	875907	8.00	7.31	
13 Butane	43	3.863	3.863	0.000	85	1158007	8.00	6.81	
14 Butadiene	54	3.863	3.863	0.000	69	681968	8.00	7.25	
15 Bromomethane	94	4.149	4.149	0.000	98	747235	8.00	7.70	
16 Chloroethane	64	4.278	4.277	0.001	97	363286	8.00	7.58	
17 Ethanol	31	4.386	4.392	-0.006	89	1350493	40.0	37.0	
18 Vinyl bromide	106	4.548	4.547	0.001	98	706148	8.00	8.12	
19 2-Methylbutane	43	4.591	4.592	-0.001	90	834776	8.00	7.25	
20 Trichlorofluoromethane	101	4.791	4.790	0.001	99	2028762	8.00	7.90	
21 Acrolein	56	4.807	4.810	-0.003	90	259360	8.00	8.36	
22 Acetonitrile	40	4.872	4.872	0.000	96	264509	8.00	7.76	
23 Acetone	58	4.909	4.928	-0.019	96	1172983	24.0	21.0	
24 Pentane	72	4.996	4.995	0.001	97	96937	8.00	7.36	
25 Isopropyl alcohol	45	5.012	5.029	-0.017	94	3173194	24.0	20.6	
26 Ethyl ether	31	5.157	5.176	-0.019	94	778429	8.00	6.76	
27 1,1-Dichloroethene	96	5.449	5.447	0.002	95	802670	8.00	7.45	
28 Acrylonitrile	53	5.556	5.563	-0.007	94	590784	8.00	8.33	
29 2-Methyl-2-propanol	59	5.567	5.600	-0.033	94	1542620	8.00	7.49	
30 112TCTFE	101	5.621	5.617	0.004	97	1561754	8.00	7.05	
31 Methylene Chloride	84	5.778	5.775	0.003	98	679261	8.00	7.57	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.799	5.793	0.006	94	660932	8.00	6.82	
33 Carbon disulfide	76	5.929	5.925	0.004	99	2241287	8.00	7.57	
34 trans-1,2-Dichloroethene	96	6.554	6.551	0.003	95	750419	8.00	7.99	
35 2-Methylpentane	43	6.576	6.572	0.004	95	1971626	8.00	6.86	
36 Methyl tert-butyl ether	73	6.678	6.709	-0.031	97	2070970	8.00	7.51	
37 1,1-Dichloroethane	63	6.958	6.954	0.004	99	1677467	8.00	7.31	
38 Vinyl acetate	43	7.072	7.077	-0.005	100	2234309	8.00	8.26	
39 2-Butanone (MEK)	72	7.498	7.518	-0.020	97	383020	8.00	7.67	
40 Hexane	56	7.525	7.523	0.002	89	706021	8.00	7.10	
41 Isopropyl ether	45	7.686	7.707	-0.021	97	2999259	8.00	7.10	
42 cis-1,2-Dichloroethene	96	7.918	7.910	0.008	98	831404	8.00	7.64	
43 Ethyl acetate	43	8.107	8.125	-0.018	99	2023449	8.00	7.58	
44 Chloroform	83	8.258	8.246	0.012	97	1678051	8.00	7.60	
45 Tert-butyl ethyl ether	59	8.350	8.372	-0.022	96	2721880	8.00	7.36	
46 Tetrahydrofuran	42	8.641	8.674	-0.033	95	1047492	8.00	7.20	
47 1,1,1-Trichloroethane	97	9.256	9.254	0.002	97	1756110	8.00	7.82	
48 1,2-Dichloroethane	62	9.369	9.361	0.008	97	1239359	8.00	8.09	
49 n-Butanol	31	9.843	9.881	-0.038	78	310378	8.00	7.06	
50 Cyclohexane	69	9.860	9.855	0.005	89	346295	8.00	7.33	
51 Benzene	78	9.860	9.855	0.005	98	2168125	8.00	7.15	
52 Carbon tetrachloride	117	9.887	9.880	0.007	97	1461787	8.00	7.48	
53 2,3-Dimethylpentane	71	10.000	9.997	0.003	91	519536	8.00	7.35	
54 Thiophene	84	10.145	10.139	0.006	99	1403539	8.00	7.76	
55 Isooctane	57	10.668	10.670	-0.002	98	4486576	8.00	7.45	
56 n-Heptane	71	11.067	11.066	0.001	92	835990	8.00	7.67	
57 1,2-Dichloropropane	63	11.132	11.128	0.004	95	1071178	8.00	7.20	
58 Trichloroethene	130	11.175	11.167	0.008	95	950798	8.00	7.13	
59 Dibromomethane	93	11.251	11.249	0.002	93	940689	8.00	7.84	
60 Dichlorobromomethane	83	11.407	11.403	0.004	99	1690279	8.00	7.95	
61 1,4-Dioxane	88	11.423	11.461	-0.038	89	347807	8.00	7.53	
62 Methyl methacrylate	41	11.526	11.533	-0.007	92	1165916	8.00	7.82	
63 Methylcyclohexane	83	11.963	11.960	0.003	94	1498683	8.00	7.57	
64 4-Methyl-2-pentanone (MIBK)	43	12.394	12.416	-0.022	96	2179623	8.00	7.70	
65 cis-1,3-Dichloropropene	75	12.443	12.441	0.002	94	1400227	8.00	8.37	
66 trans-1,3-Dichloropropene	75	13.154	13.157	-0.003	99	1294621	8.00	8.93	
67 Toluene	91	13.278	13.275	0.003	93	2891991	8.00	7.31	
68 1,1,2-Trichloroethane	83	13.354	13.352	0.002	97	893368	8.00	7.12	
69 2-Hexanone	58	13.758	13.778	-0.020	93	1157293	8.00	8.17	
70 n-Octane	85	14.001	14.002	-0.001	94	851244	8.00	7.28	
71 Chlorodibromomethane	129	14.060	14.058	0.002	98	1684566	8.00	8.00	
72 Ethylene Dibromide	107	14.351	14.353	-0.002	99	1590284	8.00	7.97	
73 Tetrachloroethene	129	14.438	14.435	0.003	94	978412	8.00	6.98	
74 Chlorobenzene	112	15.317	15.318	-0.001	93	2174283	8.00	7.42	
75 2,3-Dimethylheptane	43	15.365	15.364	0.001	97	2865172	8.00	6.59	
76 Ethylbenzene	91	15.619	15.618	0.001	98	3587309	8.00	7.19	
77 m-Xylene & p-Xylene	91	15.780	15.781	-0.001	98	5397004	16.0	14.0	
79 Bromoform	173	16.217	16.217	0.000	98	1943358	8.00	9.48	
78 n-Nonane	57	16.223	16.224	-0.001	90	1811500	8.00	6.70	
80 Styrene	104	16.244	16.247	-0.003	99	1919473	8.00	7.59	
81 o-Xylene	91	16.309	16.308	0.001	99	2687986	8.00	6.95	
82 1,1,2,2-Tetrachloroethane	83	16.632	16.634	-0.002	99	2095889	8.00	7.11	
83 1,2,3-Trichloropropane	110	16.789	16.794	-0.005	98	524294	8.00	7.28	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	16.902	16.900	0.002	97	3702415	8.00	7.15	
85 N-Propylbenzene	120	17.447	17.452	-0.005	99	1082325	8.00	7.46	
86 2-Chlorotoluene	126	17.490	17.490	0.000	97	909451	8.00	7.17	
87 4-Ethyltoluene	105	17.608	17.610	-0.002	99	3845850	8.00	7.45	
88 1,3,5-Trimethylbenzene	120	17.689	17.690	-0.001	92	1484530	8.00	6.88	
89 Alpha Methyl Styrene	118	17.927	17.928	-0.001	89	1618639	8.00	8.00	
90 n-Decane	57	18.007	18.008	-0.001	88	2567707	8.00	7.23	
91 tert-Butylbenzene	119	18.126	18.126	0.000	91	3079495	8.00	7.11	
92 1,2,4-Trimethylbenzene	105	18.142	18.143	-0.001	96	3039185	8.00	6.98	
93 sec-Butylbenzene	105	18.407	18.407	-0.001	99	4238903	8.00	6.96	
94 1,3-Dichlorobenzene	146	18.412	18.413	-0.001	98	1997540	8.00	7.49	
95 Benzyl chloride	91	18.493	18.492	0.001	97	2356399	8.00	8.26	
96 1,4-Dichlorobenzene	146	18.504	18.504	0.000	94	1982973	8.00	7.56	
97 4-Isopropyltoluene	119	18.574	18.577	-0.003	96	3409731	8.00	6.81	
98 1,2,3-Trimethylbenzene	105	18.622	18.624	-0.002	99	3020298	8.00	6.56	
99 Butylcyclohexane	83	18.687	18.687	0.000	93	2493360	8.00	6.67	
101 1,2-Dichlorobenzene	146	18.870	18.872	-0.002	93	1851482	8.00	6.94	
100 2,3-Dihydroindene	117	18.870	18.872	-0.002	94	2544136	8.00	6.83	
102 Indene	116	19.005	19.005	0.000	89	2228553	8.00	7.38	
103 n-Butylbenzene	91	19.021	19.022	-0.001	97	3371335	8.00	6.94	
104 Undecane	57	19.356	19.357	-0.001	94	2881893	8.00	7.08	
105 1,2-Dibromo-3-Chloropropane	157	19.485	19.487	-0.002	99	1012683	8.00	8.05	
106 1,2,4,5-Tetramethylbenzene	119	19.792	19.792	0.000	96	3173837	8.00	6.69	
107 Dodecane	57	20.418	20.418	0.000	96	2951988	8.00	7.10	
108 1,2,4-Trichlorobenzene	180	20.585	20.587	-0.002	94	1678297	8.00	7.59	
109 Naphthalene	128	20.714	20.719	-0.005	99	2864995	8.00	8.01	
110 Hexachlorobutadiene	225	20.941	20.942	-0.001	93	1691352	8.00	6.47	
111 1,2,3-Trichlorobenzene	180	21.000	21.005	-0.005	96	1526088	8.00	6.93	
112 2-Methylnaphthalene	142	21.771	21.774	-0.003	100	1004767	8.00	8.04	
113 1-Methylnaphthalene	142	21.906	21.913	-0.007	100	993428	8.00	6.82	
A 116 C8 Range	1	13.990	(13.952-14.049)		0	8475506	8.00	7.32	
S 117 Xylenes, Total	100				0		24.0	21.0	
S 118 1,2-Dichloroethene, Total	1				0		16.0	15.6	

QC Flag Legend

Processing Flags

Reagents:

40L9DQP_00023	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

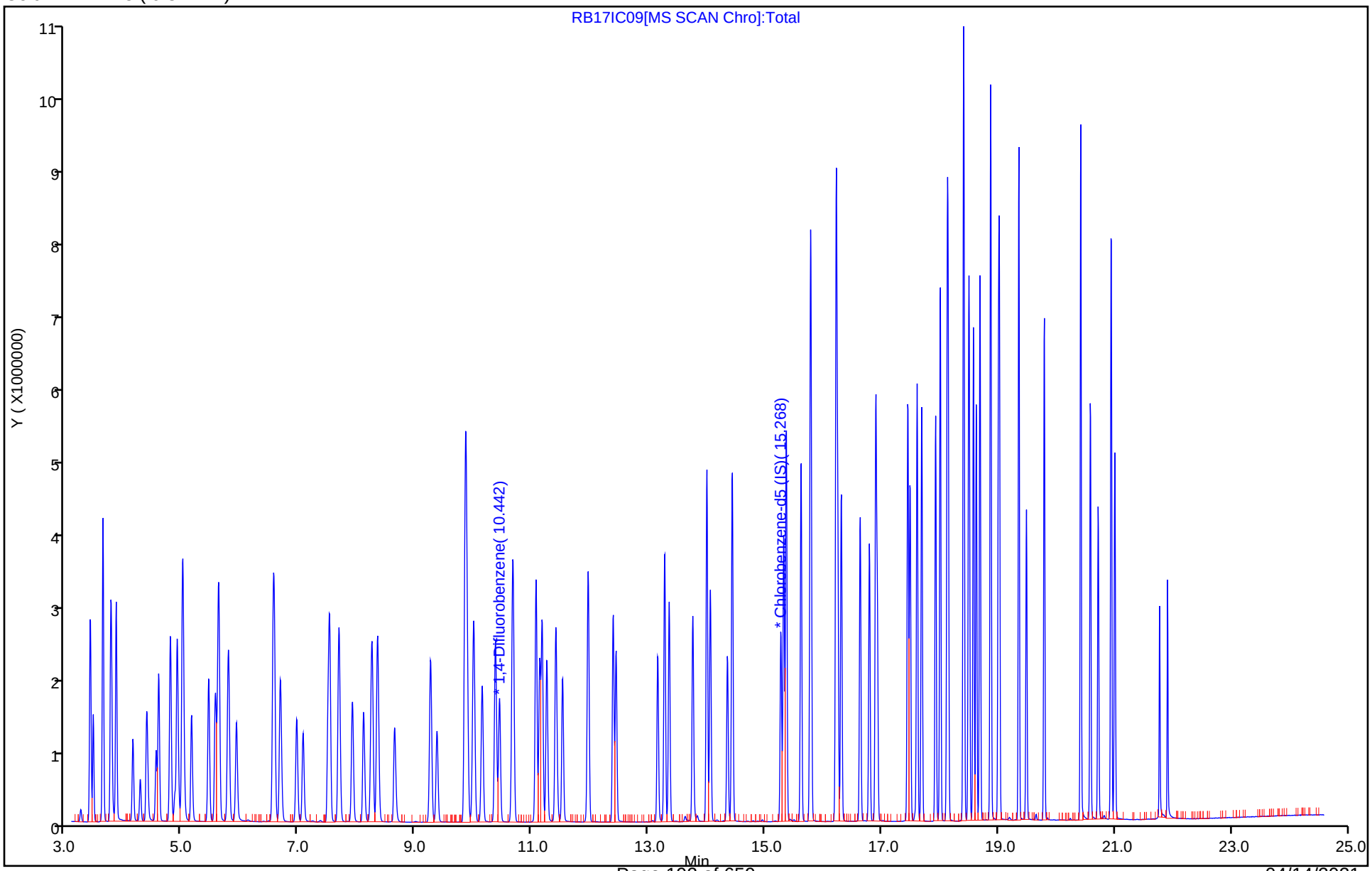
Report Date: 18-Feb-2021 15:49:54 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC09.D

Injection Date:	17-Feb-2021 13:01:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L9			Worklist Smp#:	5
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

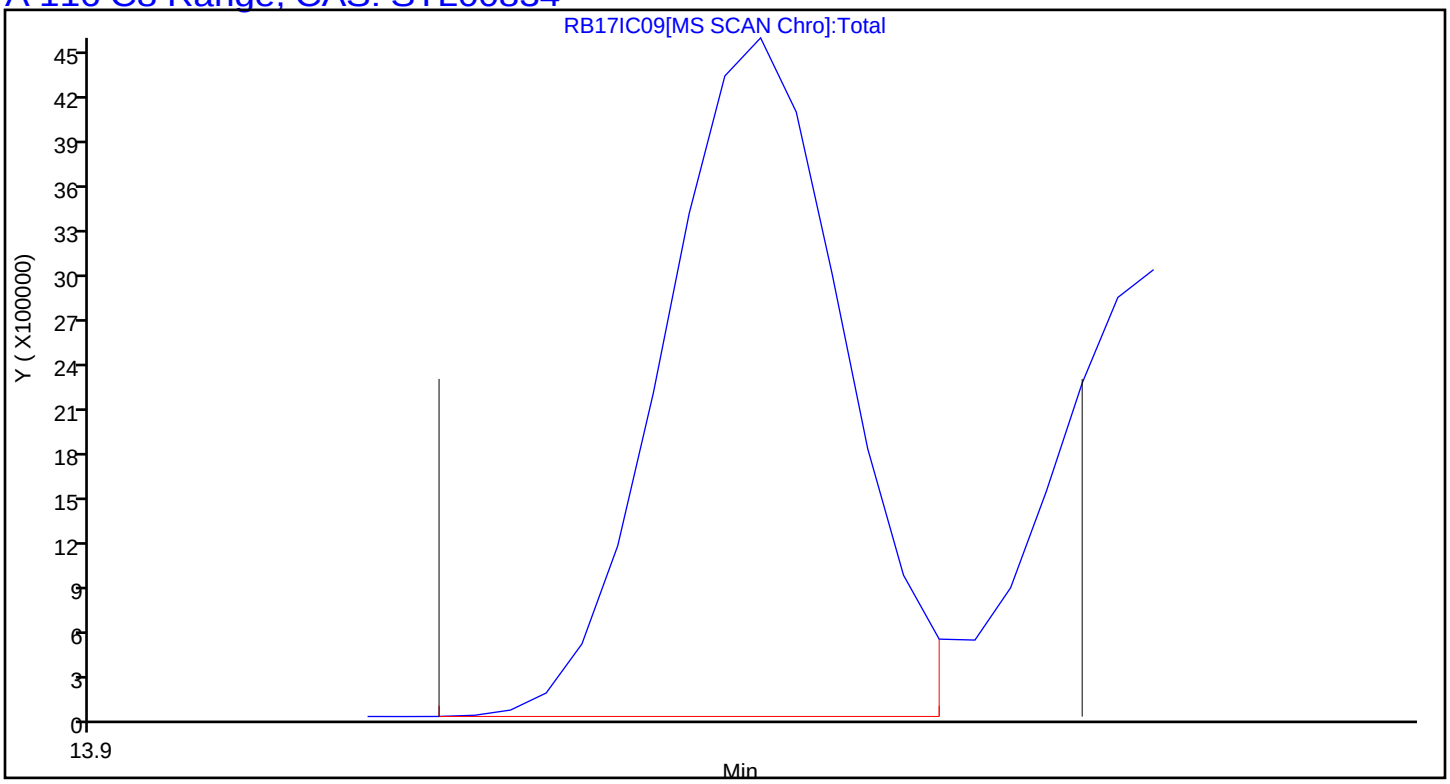


Report Date: 18-Feb-2021 15:49:54 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC09.D				
Injection Date:	17-Feb-2021 13:01:30	Instrument ID:	MR		
Lims ID:	IC L9				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	7	Worklist Smp#:	5
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC08.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 17-Feb-2021 14:36:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018243-007
Misc. Info.: 355833
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Feb-2021 15:50:03 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: tajh Date: 18-Feb-2021 07:46:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.236	8.231	0.005	96	322730	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.442	10.437	0.005	95	1617620	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.268	15.269	-0.001	88	1406961	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.924	16.924	0.000	96	938469	4.64	4.57	
6 Chlorodifluoromethane	51	3.410	3.413	-0.003	96	863966	4.00	3.80	
7 Propene	41	3.421	3.423	-0.002	99	397318	4.00	3.74	
8 Dichlorodifluoromethane	85	3.470	3.470	0.000	100	584938	4.00	3.89	
9 Chloromethane	52	3.631	3.631	0.000	99	150232	4.00	3.82	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.637	3.637	0.000	93	595941	4.00	3.94	
11 Acetaldehyde	44	3.772	3.777	-0.005	95	792783	20.0	18.5	
12 Vinyl chloride	62	3.782	3.784	-0.002	98	464057	4.00	3.88	
13 Butane	43	3.863	3.863	0.000	85	648076	4.00	3.82	
14 Butadiene	54	3.863	3.863	0.000	68	367117	4.00	3.91	
15 Bromomethane	94	4.149	4.149	0.000	99	390204	4.00	4.03	
16 Chloroethane	64	4.273	4.277	-0.004	98	189054	4.00	3.95	
17 Ethanol	31	4.381	4.392	-0.011	90	739362	20.0	20.3	
18 Vinyl bromide	106	4.548	4.547	0.001	99	366027	4.00	4.22	
19 2-Methylbutane	43	4.591	4.592	-0.001	91	449706	4.00	3.92	
20 Trichlorofluoromethane	101	4.791	4.790	0.001	99	1027722	4.00	4.02	
21 Acrolein	56	4.807	4.810	-0.003	91	124687	4.00	4.03	
22 Acetonitrile	40	4.872	4.872	0.000	100	131828	4.00	3.88	
23 Acetone	58	4.909	4.928	-0.019	97	598474	12.0	10.8	
24 Pentane	72	4.996	4.995	0.001	95	52299	4.00	3.98	
25 Isopropyl alcohol	45	5.006	5.029	-0.023	96	1769340	12.0	11.5	
26 Ethyl ether	31	5.157	5.176	-0.019	94	415644	4.00	3.62	
27 1,1-Dichloroethene	96	5.449	5.447	0.002	95	397476	4.00	3.70	
28 Acrylonitrile	53	5.556	5.563	-0.007	95	281702	4.00	3.99	
29 2-Methyl-2-propanol	59	5.567	5.600	-0.033	94	809609	4.00	3.94	
30 112TCTFE	101	5.616	5.617	-0.001	97	830519	4.00	3.76	
31 Methylene Chloride	84	5.778	5.775	0.003	96	341509	4.00	3.82	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.794	5.793	0.001	93	353001	4.00	3.66	
33 Carbon disulfide	76	5.923	5.925	-0.002	99	1119583	4.00	3.79	
34 trans-1,2-Dichloroethene	96	6.549	6.551	-0.002	95	375843	4.00	4.01	
35 2-Methylpentane	43	6.570	6.572	-0.002	96	1068252	4.00	3.73	
36 Methyl tert-butyl ether	73	6.683	6.709	-0.026	97	1044512	4.00	3.80	
37 1,1-Dichloroethane	63	6.958	6.954	0.004	99	843889	4.00	3.69	
38 Vinyl acetate	43	7.066	7.077	-0.011	100	1097062	4.00	4.07	
39 2-Butanone (MEK)	72	7.498	7.518	-0.020	96	189311	4.00	3.80	
40 Hexane	56	7.525	7.523	0.002	89	371065	4.00	3.74	
41 Isopropyl ether	45	7.686	7.707	-0.021	98	1594456	4.00	3.78	
42 cis-1,2-Dichloroethene	96	7.913	7.910	0.003	98	410256	4.00	3.78	
43 Ethyl acetate	43	8.107	8.125	-0.018	99	1030481	4.00	3.87	
44 Chloroform	83	8.253	8.246	0.007	96	849397	4.00	3.86	
45 Tert-butyl ethyl ether	59	8.350	8.372	-0.022	96	1414403	4.00	3.83	
46 Tetrahydrofuran	42	8.646	8.674	-0.028	95	538876	4.00	3.72	
47 1,1,1-Trichloroethane	97	9.256	9.254	0.002	97	865655	4.00	3.87	
48 1,2-Dichloroethane	62	9.369	9.361	0.008	94	606404	4.00	3.93	
49 n-Butanol	31	9.849	9.881	-0.032	75	168680	4.00	3.82	
50 Cyclohexane	69	9.860	9.855	0.005	81	188063	4.00	3.96	
51 Benzene	78	9.860	9.855	0.005	98	1179219	4.00	3.87	
52 Carbon tetrachloride	117	9.881	9.880	0.001	97	859889	4.00	4.38	
53 2,3-Dimethylpentane	71	10.000	9.997	0.003	91	273860	4.00	3.85	
54 Thiophene	84	10.145	10.139	0.006	99	710225	4.00	3.90	
55 Isooctane	57	10.668	10.670	-0.002	98	2353421	4.00	3.89	
56 n-Heptane	71	11.067	11.066	0.001	92	425343	4.00	3.88	
57 1,2-Dichloropropane	63	11.132	11.128	0.004	95	565823	4.00	3.78	
58 Trichloroethene	130	11.170	11.167	0.003	95	499518	4.00	3.72	
59 Dibromomethane	93	11.251	11.249	0.002	94	479659	4.00	3.98	
60 Dichlorobromomethane	83	11.407	11.403	0.004	98	865960	4.00	4.05	
61 1,4-Dioxane	88	11.429	11.461	-0.032	90	184486	4.00	3.97	
62 Methyl methacrylate	41	11.526	11.533	-0.007	92	606216	4.00	4.05	
63 Methylcyclohexane	83	11.963	11.960	0.003	93	769381	4.00	3.86	
64 4-Methyl-2-pentanone (MIBK)	43	12.394	12.416	-0.022	97	1142052	4.00	4.01	
65 cis-1,3-Dichloropropene	75	12.443	12.441	0.001	94	697035	4.00	4.14	
66 trans-1,3-Dichloropropene	75	13.154	13.157	-0.003	100	602584	4.00	4.27	
67 Toluene	91	13.278	13.275	0.003	93	1482770	4.00	3.85	
68 1,1,2-Trichloroethane	83	13.354	13.352	0.002	97	471108	4.00	3.85	
69 2-Hexanone	58	13.764	13.778	-0.014	93	581811	4.00	4.22	
70 n-Octane	85	14.001	14.002	-0.001	95	443094	4.00	3.89	
71 Chlorodibromomethane	129	14.060	14.058	0.002	98	875953	4.00	4.26	
72 Ethylene Dibromide	107	14.351	14.353	-0.002	98	801032	4.00	4.12	
73 Tetrachloroethene	129	14.438	14.435	0.003	95	519132	4.00	3.80	
74 Chlorobenzene	112	15.322	15.318	0.004	94	1129936	4.00	3.96	
75 2,3-Dimethylheptane	43	15.360	15.364	-0.004	95	1594732	4.00	3.76	
76 Ethylbenzene	91	15.619	15.618	0.001	98	1857884	4.00	3.82	
77 m-Xylene & p-Xylene	91	15.780	15.781	-0.001	97	2833767	8.00	7.55	
79 Bromoform	173	16.217	16.217	0.000	97	961379	4.00	4.81	
78 n-Nonane	57	16.223	16.224	-0.001	93	999986	4.00	3.79	
80 Styrene	104	16.250	16.247	0.003	99	1004950	4.00	4.08	
81 o-Xylene	91	16.309	16.308	0.001	99	1429357	4.00	3.79	
82 1,1,2,2-Tetrachloroethane	83	16.632	16.634	-0.002	99	1125477	4.00	3.91	
83 1,2,3-Trichloropropane	110	16.789	16.794	-0.005	98	276707	4.00	3.94	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	16.897	16.900	-0.003	97	1928582	4.00	3.82	
85 N-Propylbenzene	120	17.452	17.452	0.000	99	558870	4.00	3.95	
86 2-Chlorotoluene	126	17.490	17.490	0.000	97	471543	4.00	3.81	
87 4-Ethyltoluene	105	17.608	17.610	-0.002	99	2007832	4.00	3.99	
88 1,3,5-Trimethylbenzene	120	17.689	17.690	-0.001	92	774716	4.00	3.68	
89 Alpha Methyl Styrene	118	17.927	17.928	-0.001	89	817902	4.00	4.15	
90 n-Decane	57	18.007	18.008	-0.001	88	1354313	4.00	3.91	
91 tert-Butylbenzene	119	18.126	18.126	0.000	92	1606219	4.00	3.81	
92 1,2,4-Trimethylbenzene	105	18.142	18.143	-0.001	96	1602050	4.00	3.77	
93 sec-Butylbenzene	105	18.406	18.407	-0.001	99	2248112	4.00	3.79	
94 1,3-Dichlorobenzene	146	18.412	18.413	-0.001	98	1034227	4.00	3.98	
95 Benzyl chloride	91	18.487	18.492	-0.005	97	1166905	4.00	4.19	
96 1,4-Dichlorobenzene	146	18.504	18.504	0.000	96	1021847	4.00	3.99	
97 4-Isopropyltoluene	119	18.574	18.577	-0.003	97	1809260	4.00	3.71	
98 1,2,3-Trimethylbenzene	105	18.622	18.624	-0.002	99	1587366	4.00	3.54	
99 Butylcyclohexane	83	18.687	18.687	0.000	93	1326745	4.00	3.64	
101 1,2-Dichlorobenzene	146	18.870	18.872	-0.002	93	964192	4.00	3.71	
100 2,3-Dihydroindene	117	18.870	18.872	-0.002	94	1344438	4.00	3.71	
102 Indene	116	19.005	19.005	0.000	92	1140656	4.00	3.88	
103 n-Butylbenzene	91	19.021	19.022	-0.001	97	1809547	4.00	3.82	
104 Undecane	57	19.356	19.357	-0.001	94	1574847	4.00	3.97	
105 1,2-Dibromo-3-Chloropropane	157	19.485	19.487	-0.002	98	523561	4.00	4.27	
106 1,2,4,5-Tetramethylbenzene	119	19.792	19.792	0.000	96	1742741	4.00	3.77	
107 Dodecane	57	20.418	20.418	0.000	95	1650004	4.00	4.07	
108 1,2,4-Trichlorobenzene	180	20.585	20.587	-0.002	94	911556	4.00	4.24	
109 Naphthalene	128	20.714	20.719	-0.005	99	1690841	4.00	3.98	
110 Hexachlorobutadiene	225	20.941	20.942	-0.001	94	929114	4.00	3.64	
111 1,2,3-Trichlorobenzene	180	21.000	21.005	-0.005	96	878763	4.00	4.09	
112 2-Methylnaphthalene	142	21.771	21.774	-0.003	100	441355	4.00	3.62	
113 1-Methylnaphthalene	142	21.906	21.913	-0.007	100	531977	4.00	3.75	
A 116 C8 Range	1	13.985	(13.952-14.049)		0	4514069	4.00	3.88	
S 117 Xylenes, Total	100				0		12.0	11.3	
S 118 1,2-Dichloroethene, Total	1				0		8.00	7.79	

QC Flag Legend

Processing Flags

Reagents:

40L8DQP_00022	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

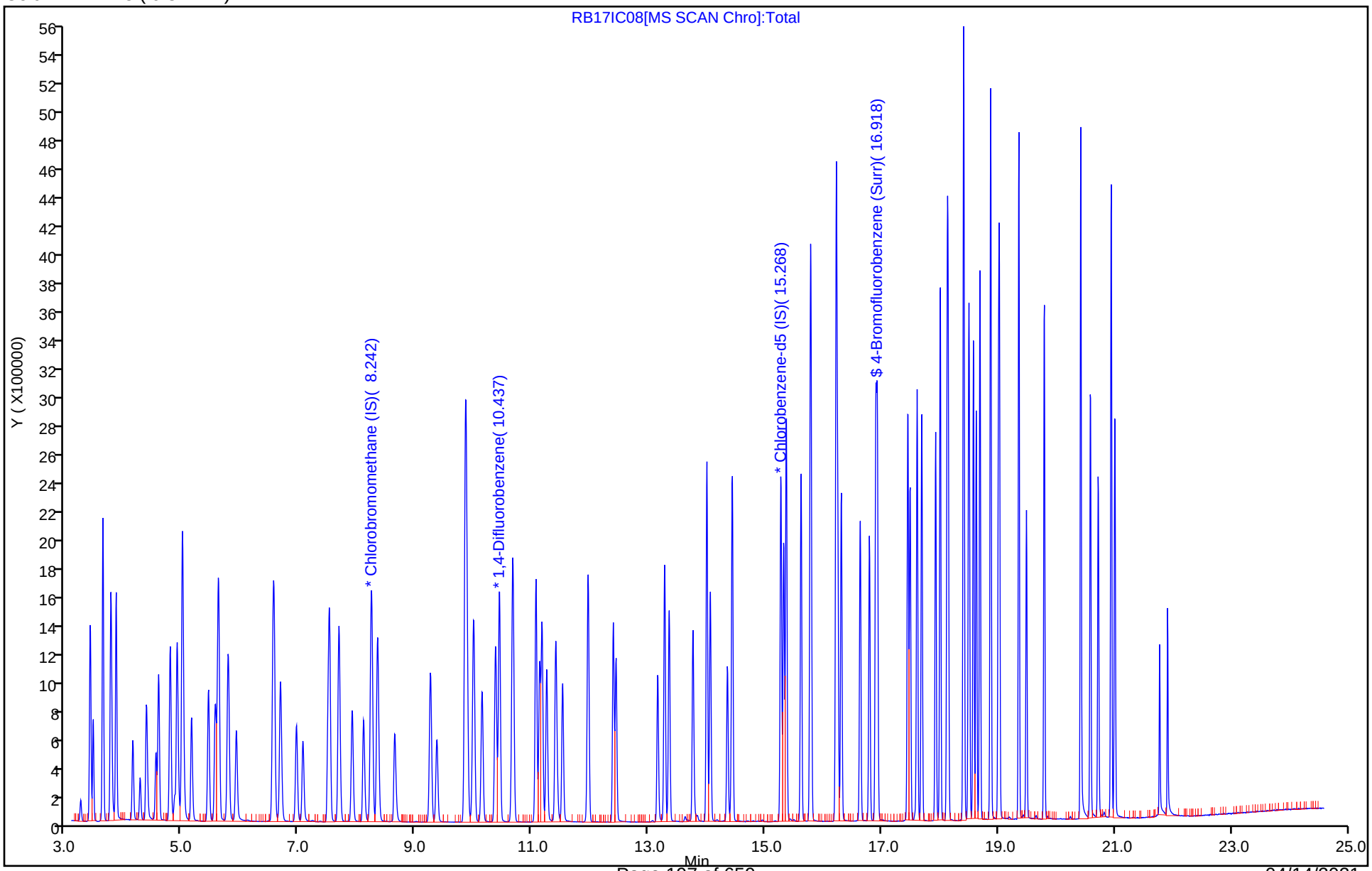
Report Date: 18-Feb-2021 15:50:04 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC08.D

Injection Date:	17-Feb-2021 14:36:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L8			Worklist Smp#:	7
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

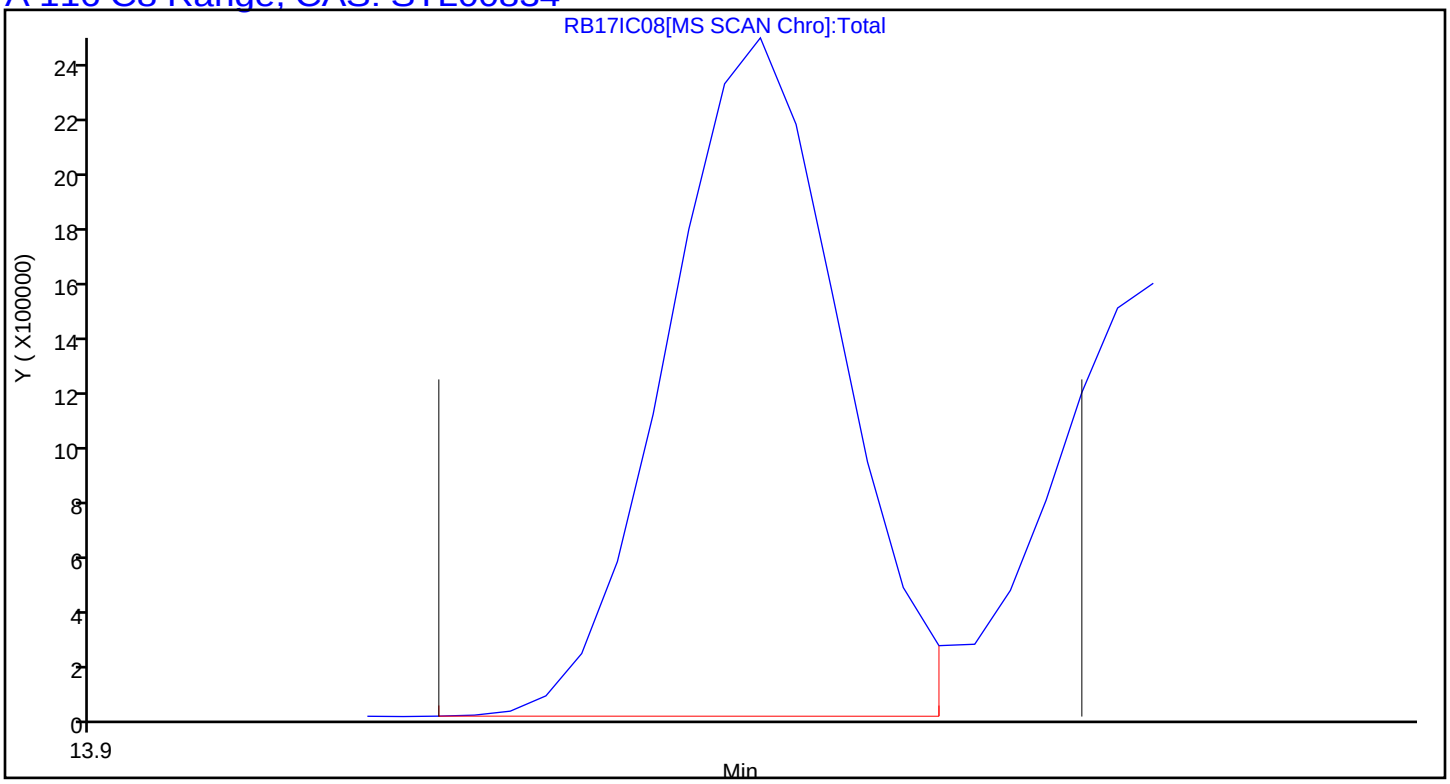


Report Date: 18-Feb-2021 15:50:04 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC08.D				
Injection Date:	17-Feb-2021 14:36:30	Instrument ID:	MR		
Lims ID:	IC L8				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	6	Worklist Smp#:	7
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC01.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 17-Feb-2021 16:10:30 ALS Bottle#: 1 Worklist Smp#: 9
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018243-009
Misc. Info.: 355967
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Feb-2021 15:50:13 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: tajh Date: 18-Feb-2021 10:37:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.226	8.231	-0.005	97	322758	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.437	10.437	0.000	96	1678537	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.268	15.269	-0.001	89	1384258	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.924	16.924	0.000	94	935122	4.64	4.63	
6 Chlorodifluoromethane	51	3.421	3.413	0.008	95	5633	0.0200	0.0248	
7 Propene	41	3.421	3.423	-0.002	59	2859	0.0200	0.0269	
8 Dichlorodifluoromethane	85	3.470	3.470	0.000	99	4615	0.0200	0.0307	
9 Chloromethane	52	3.637	3.631	0.006	68	1497	0.0200	0.0381	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.642	3.637	0.005	87	4546	0.0200	0.0301	
11 Acetaldehyde	44	3.788	3.777	0.011	93	7815	0.1000	0.1820	
12 Vinyl chloride	62	3.782	3.784	-0.002	60	2880	0.0200	0.0241	
13 Butane	43	3.863	3.863	0.000	86	4968	0.0200	0.0293	
14 Butadiene	54	3.869	3.863	0.006	66	2348	0.0200	0.0250	
15 Bromomethane	94	4.149	4.149	0.000	96	2741	0.0200	0.0283	
16 Chloroethane	64	4.284	4.277	0.007	83	1484	0.0200	0.0310	
17 Ethanol	31	4.408	4.392	0.016	91	4672	0.1000	0.1283	
18 Vinyl bromide	106	4.548	4.547	0.001	96	2455	0.0200	0.0283	
19 2-Methylbutane	43	4.597	4.592	0.005	86	3530	0.0200	0.0308	
20 Trichlorofluoromethane	101	4.796	4.790	0.006	97	6454	0.0200	0.0252	
23 Acetone	58	4.969	4.928	0.041	97	6469	0.0600	0.1164	
25 Isopropyl alcohol	45	5.071	5.029	0.042	95	12082	0.0600	0.0786	
26 Ethyl ether	31	5.206	5.176	0.030	93	2868	0.0200	0.0250	
27 1,1-Dichloroethene	96	5.443	5.447	-0.004	93	2980	0.0200	0.0277	
28 Acrylonitrile	53	5.578	5.563	0.015	35	841	0.0200	0.0119	
30 112TCTFE	101	5.621	5.617	0.004	96	5393	0.0200	0.0244	
31 Methylene Chloride	84	5.783	5.775	0.008	98	3239	0.0200	0.0362	
32 3-Chloro-1-propene	39	5.794	5.793	0.001	73	2856	0.0200	0.0296	
33 Carbon disulfide	76	5.929	5.925	0.004	93	6988	0.0200	0.0237	
34 trans-1,2-Dichloroethene	96	6.554	6.551	0.003	95	2239	0.0200	0.0239	
35 2-Methylpentane	43	6.576	6.572	0.004	96	8054	0.0200	0.0281	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
36 Methyl tert-butyl ether	73	6.770	6.709	0.061	96	7232	0.0200	0.0263	
37 1,1-Dichloroethane	63	6.953	6.954	-0.001	98	5613	0.0200	0.0245	
38 Vinyl acetate	43	7.099	7.077	0.022	98	3570	0.0200	0.0132	
39 2-Butanone (MEK)	72	7.562	7.518	0.044	57	1353	0.0200	0.0272	
40 Hexane	56	7.519	7.523	-0.004	82	2887	0.0200	0.0291	
41 Isopropyl ether	45	7.762	7.707	0.055	97	9784	0.0200	0.0232	
42 cis-1,2-Dichloroethene	96	7.908	7.910	-0.002	96	2913	0.0200	0.0268	
43 Ethyl acetate	43	8.161	8.125	0.036	80	5783	0.0200	0.0217	
44 Chloroform	83	8.242	8.246	-0.004	41	5848	0.0200	0.0266	
45 Tert-butyl ethyl ether	59	8.420	8.372	0.048	95	8377	0.0200	0.0227	
46 Tetrahydrofuran	42	8.733	8.674	0.059	89	4250	0.0200	0.0293	
47 1,1,1-Trichloroethane	97	9.250	9.254	-0.004	96	5542	0.0200	0.0247	
48 1,2-Dichloroethane	62	9.358	9.361	-0.003	86	3909	0.0200	0.0244	
50 Cyclohexane	69	9.849	9.855	-0.006	67	1318	0.0200	0.0267	
51 Benzene	78	9.849	9.855	-0.006	97	9384	0.0200	0.0297	
52 Carbon tetrachloride	117	9.881	9.880	0.001	95	4214	0.0200	0.0207	
53 2,3-Dimethylpentane	71	10.000	9.997	0.003	91	1782	0.0200	0.0242	
54 Thiophene	84	10.135	10.139	-0.004	95	4326	0.0200	0.0229	
55 Isooctane	57	10.674	10.670	0.004	97	15263	0.0200	0.0243	
56 n-Heptane	71	11.067	11.066	0.001	95	2700	0.0200	0.0238	
57 1,2-Dichloropropane	63	11.127	11.128	-0.001	94	4599	0.0200	0.0296	
58 Trichloroethene	130	11.165	11.167	-0.002	92	3746	0.0200	0.0269	
59 Dibromomethane	93	11.240	11.249	-0.009	93	3553	0.0200	0.0284	
60 Dichlorobromomethane	83	11.402	11.403	-0.001	97	5194	0.0200	0.0234	
61 1,4-Dioxane	88	11.520	11.461	0.059	58	1135	0.0200	0.0236	
62 Methyl methacrylate	41	11.553	11.533	0.020	83	3676	0.0200	0.0236	
63 Methylcyclohexane	83	11.957	11.960	-0.003	91	4768	0.0200	0.0231	
64 4-Methyl-2-pentanone (MIBK)	43	12.453	12.416	0.037	89	6266	0.0200	0.0212	
65 cis-1,3-Dichloropropene	75	12.448	12.441	0.007	92	3921	0.0200	0.0225	
66 trans-1,3-Dichloropropene	75	13.165	13.157	0.008	92	2888	0.0200	0.0208	
67 Toluene	91	13.273	13.275	-0.002	91	11365	0.0200	0.0300	
68 1,1,2-Trichloroethane	83	13.354	13.352	0.002	96	3216	0.0200	0.0267	
69 2-Hexanone	58	13.812	13.778	0.034	93	1316	0.0200	0.009692	
70 n-Octane	85	14.001	14.002	-0.001	94	2844	0.0200	0.0253	
71 Chlorodibromomethane	129	14.055	14.058	-0.003	94	4428	0.0200	0.0219	
72 Ethylene Dibromide	107	14.351	14.353	-0.002	98	4884	0.0200	0.0255	
73 Tetrachloroethene	129	14.432	14.435	-0.003	94	3860	0.0200	0.0287	
74 Chlorobenzene	112	15.317	15.318	-0.001	95	8651	0.0200	0.0308	
75 2,3-Dimethylheptane	43	15.360	15.364	-0.004	93	11232	0.0200	0.0269	
76 Ethylbenzene	91	15.619	15.618	0.001	99	13951	0.0200	0.0292	
77 m-Xylene & p-Xylene	91	15.780	15.781	-0.001	96	22359	0.0400	0.0605	
79 Bromoform	173	16.212	16.217	-0.005	64	3928	0.0200	0.0200	
78 n-Nonane	57	16.228	16.224	0.004	93	7107	0.0200	0.0274	
80 Styrene	104	16.250	16.247	0.003	97	6210	0.0200	0.0256	
81 o-Xylene	91	16.309	16.308	0.001	98	11037	0.0200	0.0298	
82 1,1,2,2-Tetrachloroethane	83	16.638	16.634	0.004	97	8131	0.0200	0.0287	
83 1,2,3-Trichloropropane	110	16.800	16.794	0.006	96	1512	0.0200	0.0219	
84 Isopropylbenzene	105	16.902	16.900	0.002	91	14684	0.0200	0.0296	
85 N-Propylbenzene	120	17.452	17.452	0.000	99	3275	0.0200	0.0235	
86 2-Chlorotoluene	126	17.490	17.490	0.000	97	3873	0.0200	0.0318	
87 4-Ethyltoluene	105	17.608	17.610	-0.002	98	11973	0.0200	0.0242	
88 1,3,5-Trimethylbenzene	120	17.689	17.690	-0.001	93	5528	0.0200	0.0267	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
89 Alpha Methyl Styrene	118	17.927	17.928	-0.001	88	3905	0.0200	0.0201	
90 n-Decane	57	18.007	18.008	-0.001	90	7489	0.0200	0.0220	
91 tert-Butylbenzene	119	18.126	18.126	0.000	91	11826	0.0200	0.0285	
92 1,2,4-Trimethylbenzene	105	18.148	18.143	0.005	96	11176	0.0200	0.0268	
93 sec-Butylbenzene	105	18.407	18.407	-0.001	99	15418	0.0200	0.0264	
94 1,3-Dichlorobenzene	146	18.412	18.413	-0.001	97	7592	0.0200	0.0297	
95 Benzyl chloride	91	18.493	18.492	0.001	76	5673	0.0200	0.0207	
96 1,4-Dichlorobenzene	146	18.504	18.504	0.000	93	9020	0.0200	0.0358	
97 4-Isopropyltoluene	119	18.579	18.577	0.002	96	10352	0.0200	0.0216	
98 1,2,3-Trimethylbenzene	105	18.628	18.624	0.004	97	10776	0.0200	0.0244	
99 Butylcyclohexane	83	18.687	18.687	0.000	92	9228	0.0200	0.0257	
101 1,2-Dichlorobenzene	146	18.876	18.872	0.004	86	9789	0.0200	0.0383	
100 2,3-Dihydroindene	117	18.876	18.872	0.004	92	10285	0.0200	0.0288	
102 Indene	116	19.005	19.005	0.000	89	7778	0.0200	0.0269	
103 n-Butylbenzene	91	19.027	19.022	0.005	96	9221	0.0200	0.0198	
104 Undecane	57	19.361	19.357	0.004	93	5227	0.0200	0.0134	
105 1,2-Dibromo-3-Chloropropane	157	19.490	19.487	0.003	86	2568	0.0200	0.0213	
106 1,2,4,5-Tetramethylbenzene	119	19.792	19.792	0.000	96	9302	0.0200	0.0205	
107 Dodecane	57	20.418	20.418	0.000	88	3333	0.0200	0.008357	
108 1,2,4-Trichlorobenzene	180	20.590	20.587	0.003	93	3738	0.0200	0.0380	
109 Naphthalene	128	20.720	20.719	0.001	98	8055	0.0200	0.0164	
110 Hexachlorobutadiene	225	20.946	20.942	0.004	94	7955	0.0200	0.0317	
111 1,2,3-Trichlorobenzene	180	21.011	21.005	0.006	95	11176	0.0200	0.0529	
113 1-Methylnaphthalene	142	21.922	21.913	0.009	95	4346	0.0200	0.0311	
A 116 C8 Range	1	13.996	(13.974-14.039)		0	31218	0.0200	0.0258	
S 117 Xylenes, Total	100				0		0.0600	0.0903	
S 118 1,2-Dichloroethene, Total	1				0		0.0400	0.0507	

QC Flag Legend

Processing Flags

Reagents:

40L1-3DQP_00039	Amount Added: 50.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

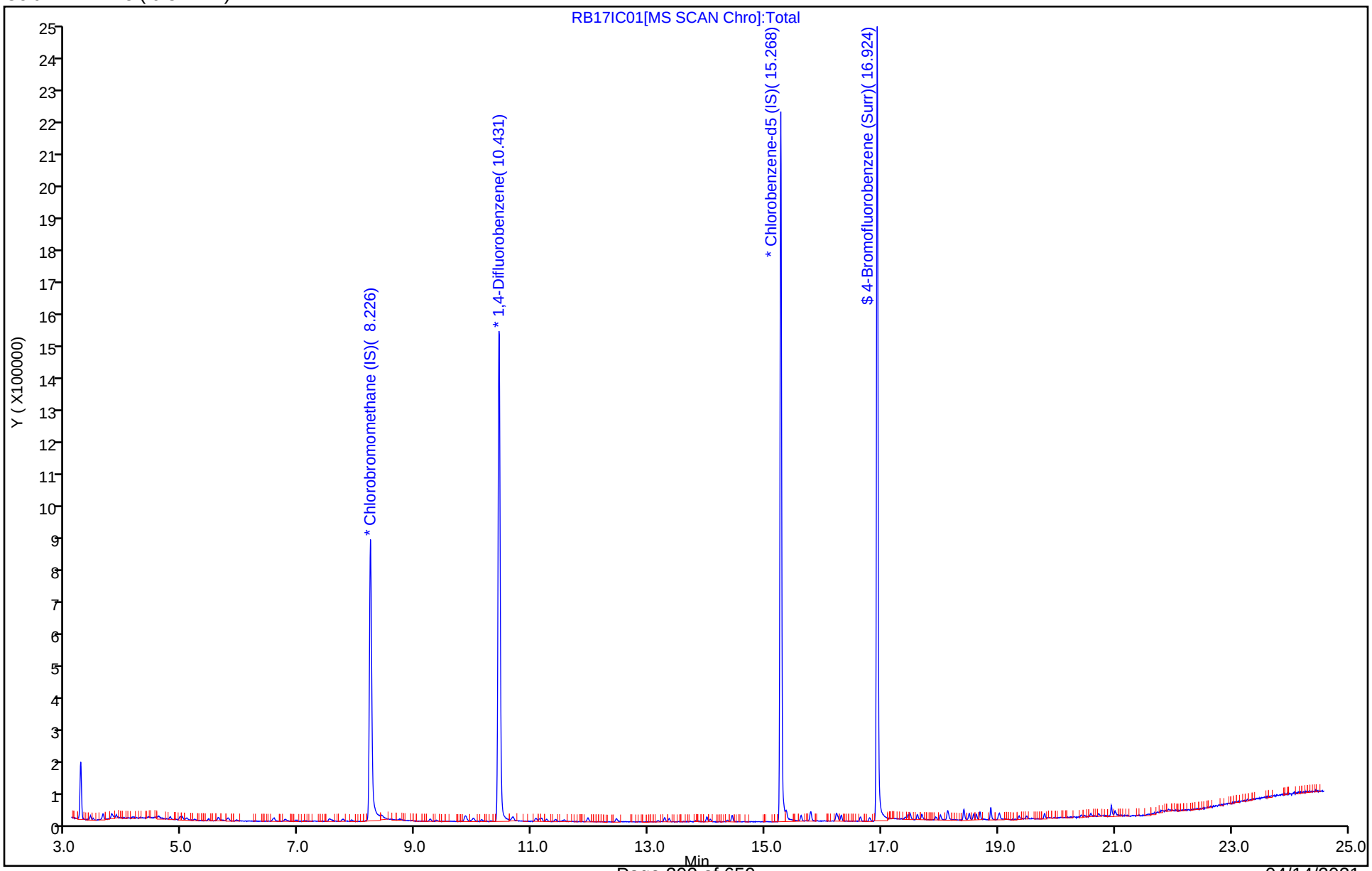
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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC01.D

Injection Date:	17-Feb-2021 16:10:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L1			Worklist Smp#:	9
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

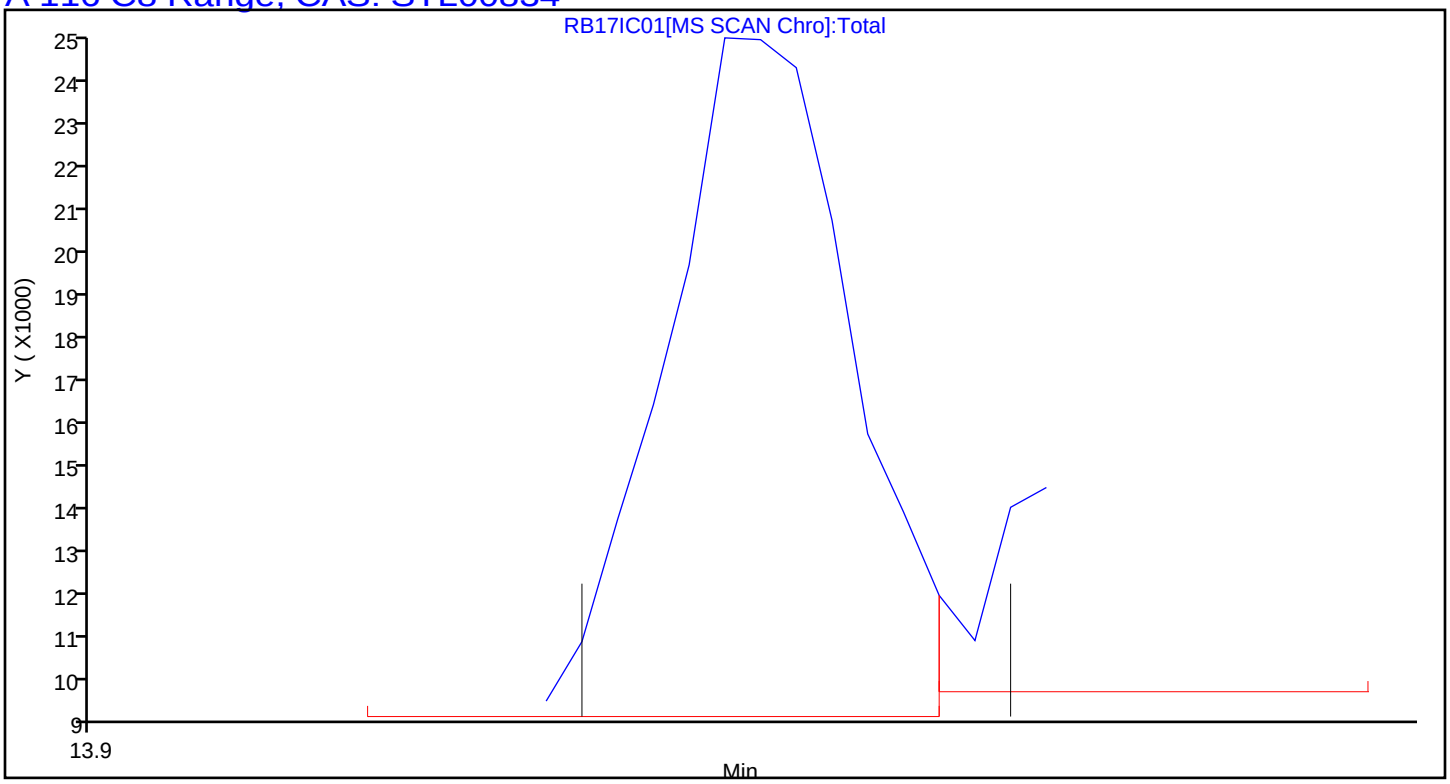


Report Date: 18-Feb-2021 15:50:15 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC01.D				
Injection Date:	17-Feb-2021 16:10:30	Instrument ID:	MR		
Lims ID:	IC L1				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	1	Worklist Smp#:	9
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

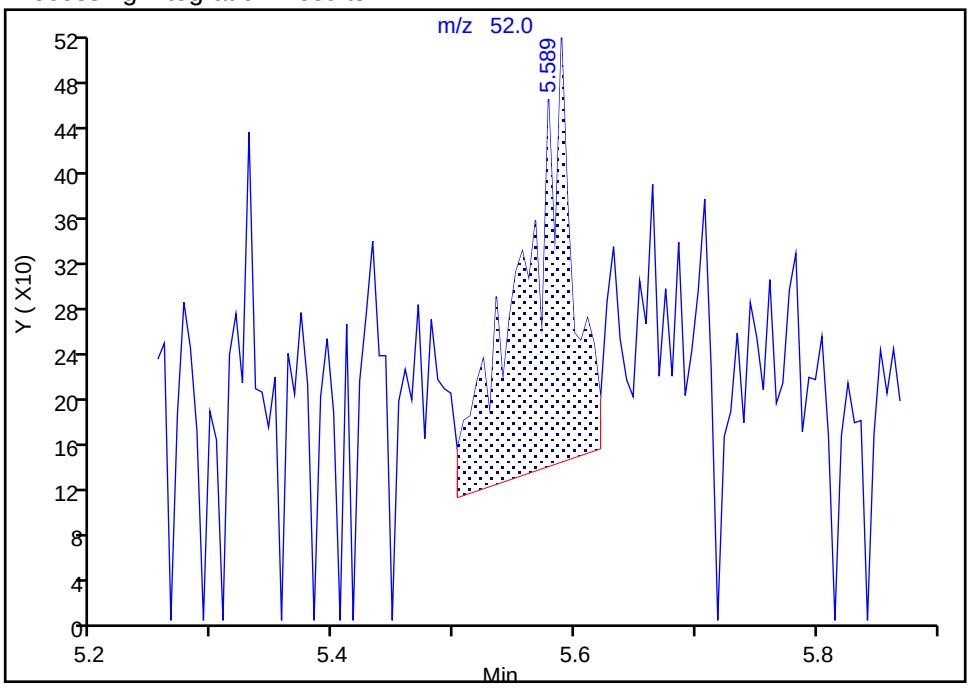
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Injection Date:	17-Feb-2021 16:10:30	Instrument ID:	MR		
Lims ID:	IC L1				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	1	Worklist Smp#:	9
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

28 Acrylonitrile, CAS: 107-13-1

Signal: 2

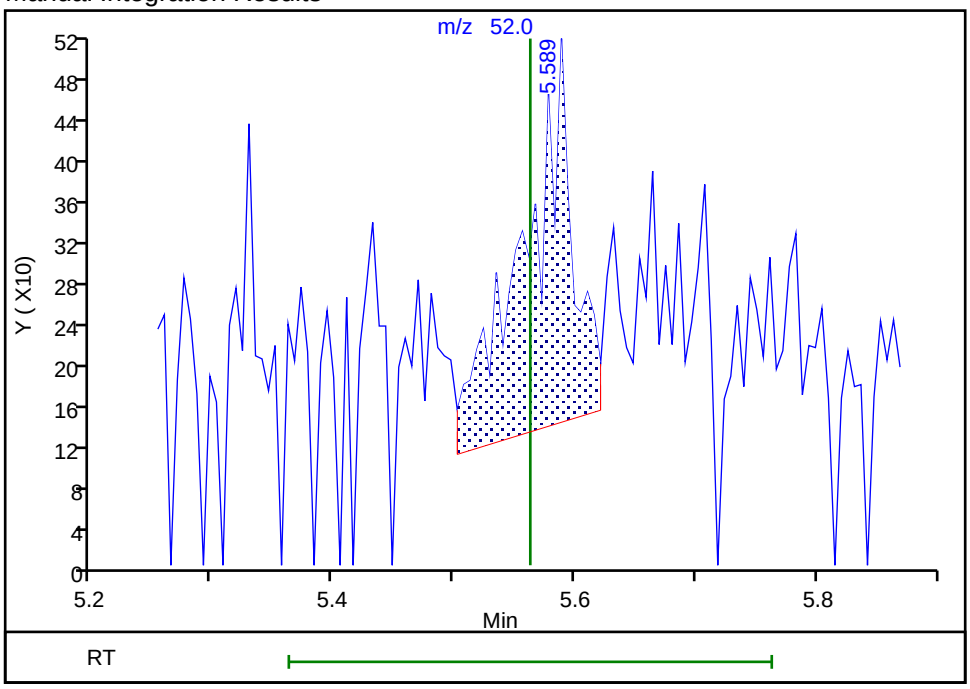
Processing Integration Results

RT: 5.59
Area: 1069
Amount: 0.011896
Amount Units: ppb v/v



Manual Integration Results

RT: 5.59
Area: 1069
Amount: 0.011896
Amount Units: ppb v/v



Reviewer: barlozhetskayaa, 18-Feb-2021 15:17:54

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

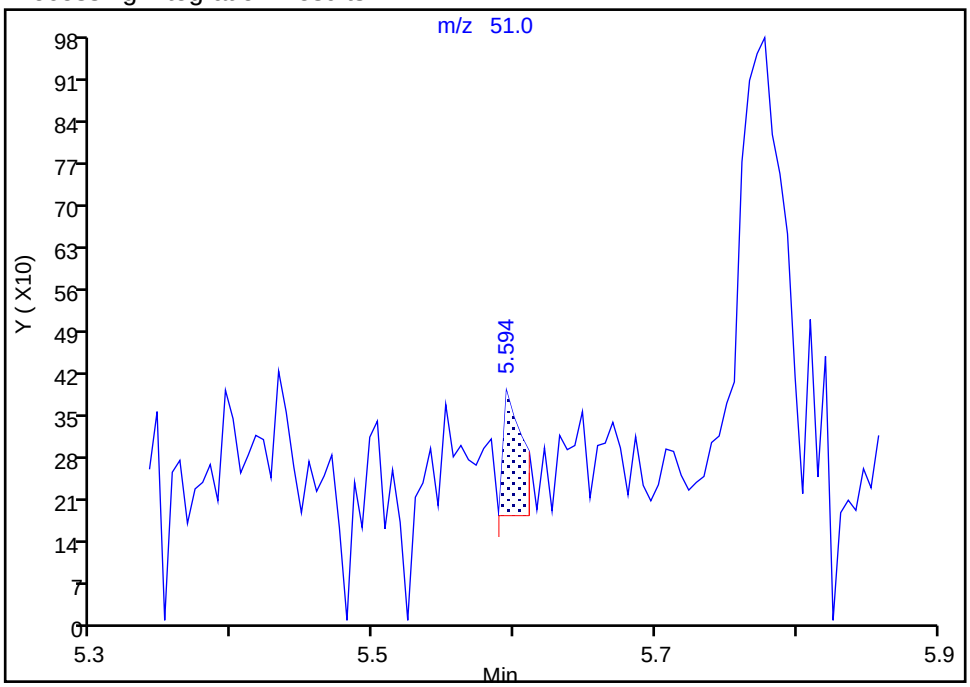
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Injection Date: 17-Feb-2021 16:10:30 Instrument ID: MR
Lims ID: IC L1
Client ID:
Operator ID: HMT ALS Bottle#: 1 Worklist Smp#: 9
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Column: RTX-5 (0.32 mm) Detector MS SCAN

28 Acrylonitrile, CAS: 107-13-1

Signal: 3

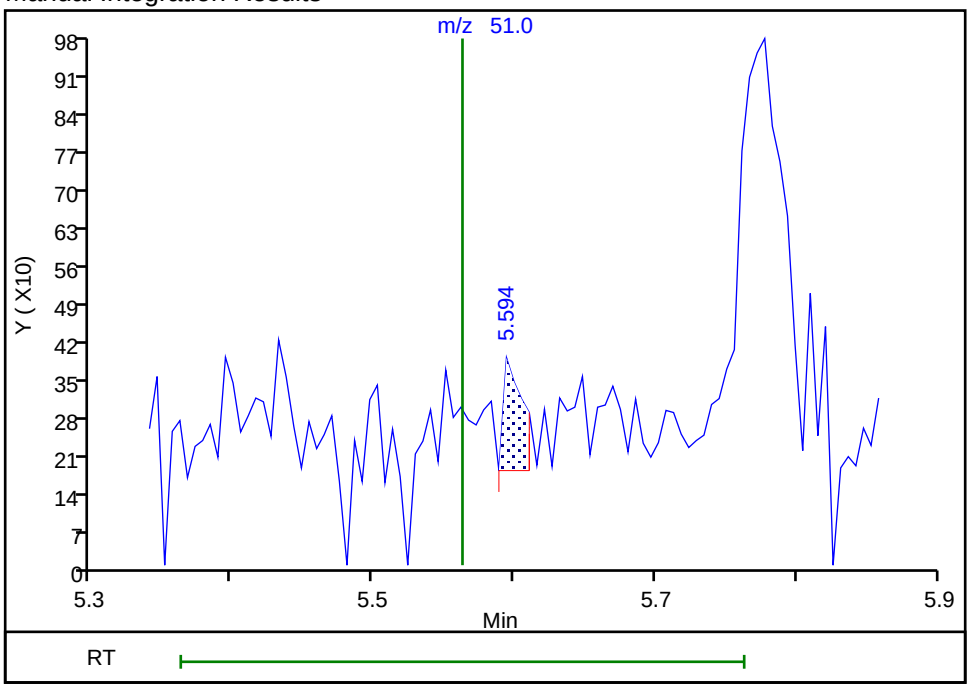
Processing Integration Results

RT: 5.59
Area: 199
Amount: 0.011896
Amount Units: ppb v/v



Manual Integration Results

RT: 5.59
Area: 199
Amount: 0.011896
Amount Units: ppb v/v



Reviewer: barlozhetskayaa, 18-Feb-2021 15:17:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

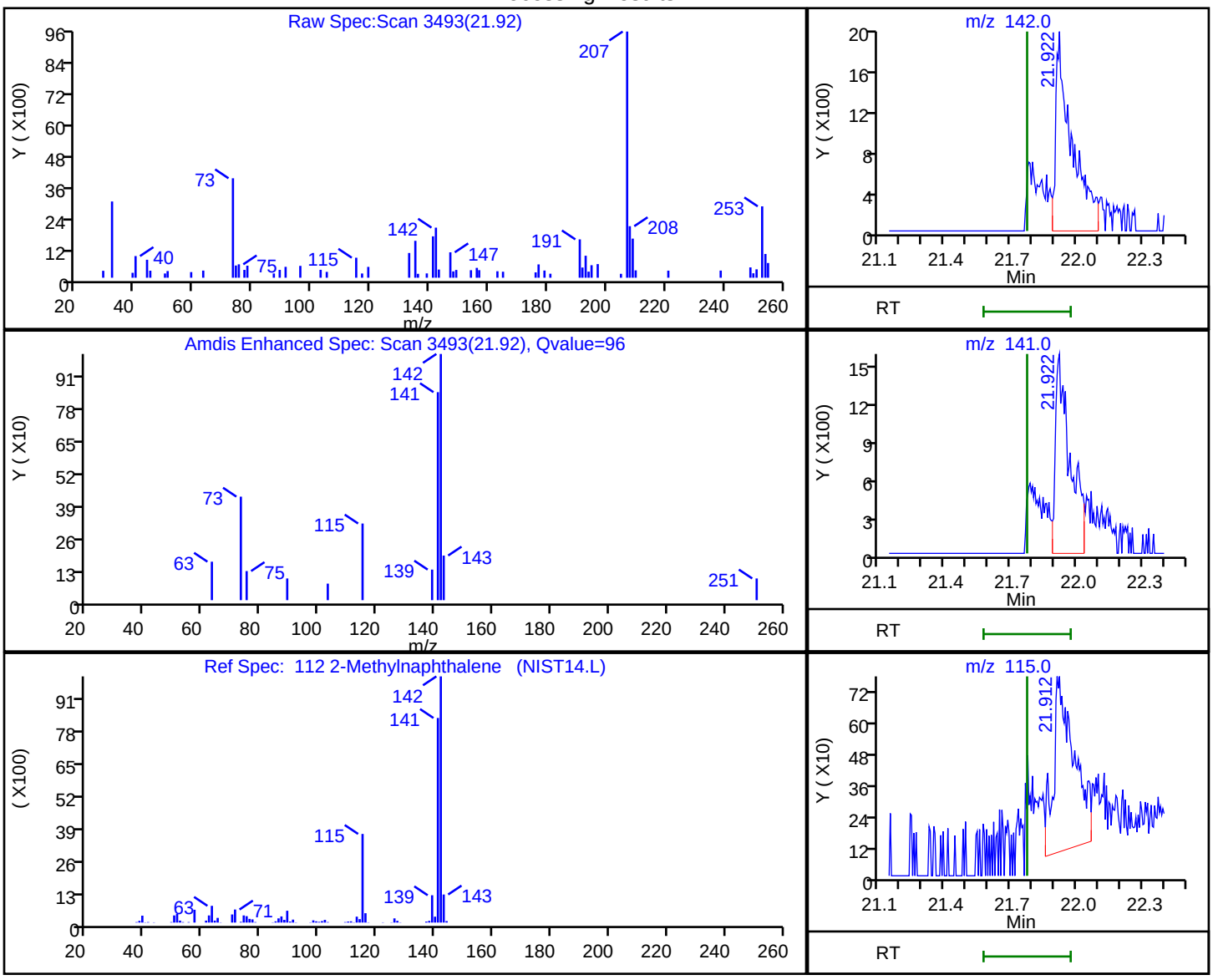
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC01.D				
Injection Date:	17-Feb-2021 16:10:30	Instrument ID:	MR		
Lims ID:	IC L1				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	1	Worklist Smp#:	9
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

112 2-Methylnaphthalene, CAS: 91-57-6

Processing Results



RT	Mass	Response	Amount
21.92	142.00	9848	0.082210
21.92	141.00	7442	
21.91	115.00	4470	

Reviewer: barlozhetskayaa, 18-Feb-2021 15:16:32

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

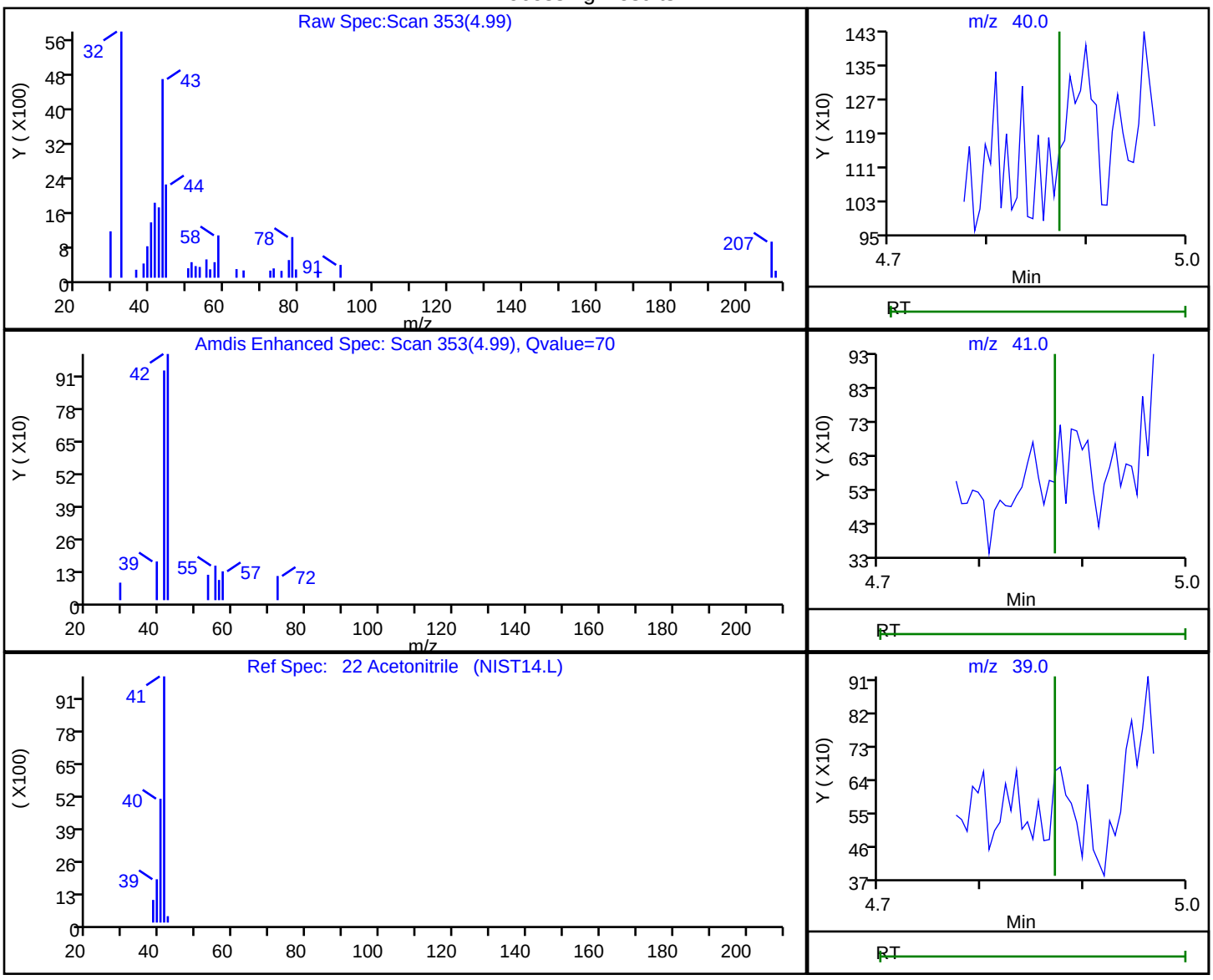
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC01.D				
Injection Date:	17-Feb-2021 16:10:30	Instrument ID:	MR		
Lims ID:	IC L1				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	1	Worklist Smp#:	9
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

22 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
4.99	40.00	149	0.004383
5.00	41.00	3425	
5.00	39.00	2017	

Reviewer: barlozhetskayaa, 18-Feb-2021 15:18:07

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

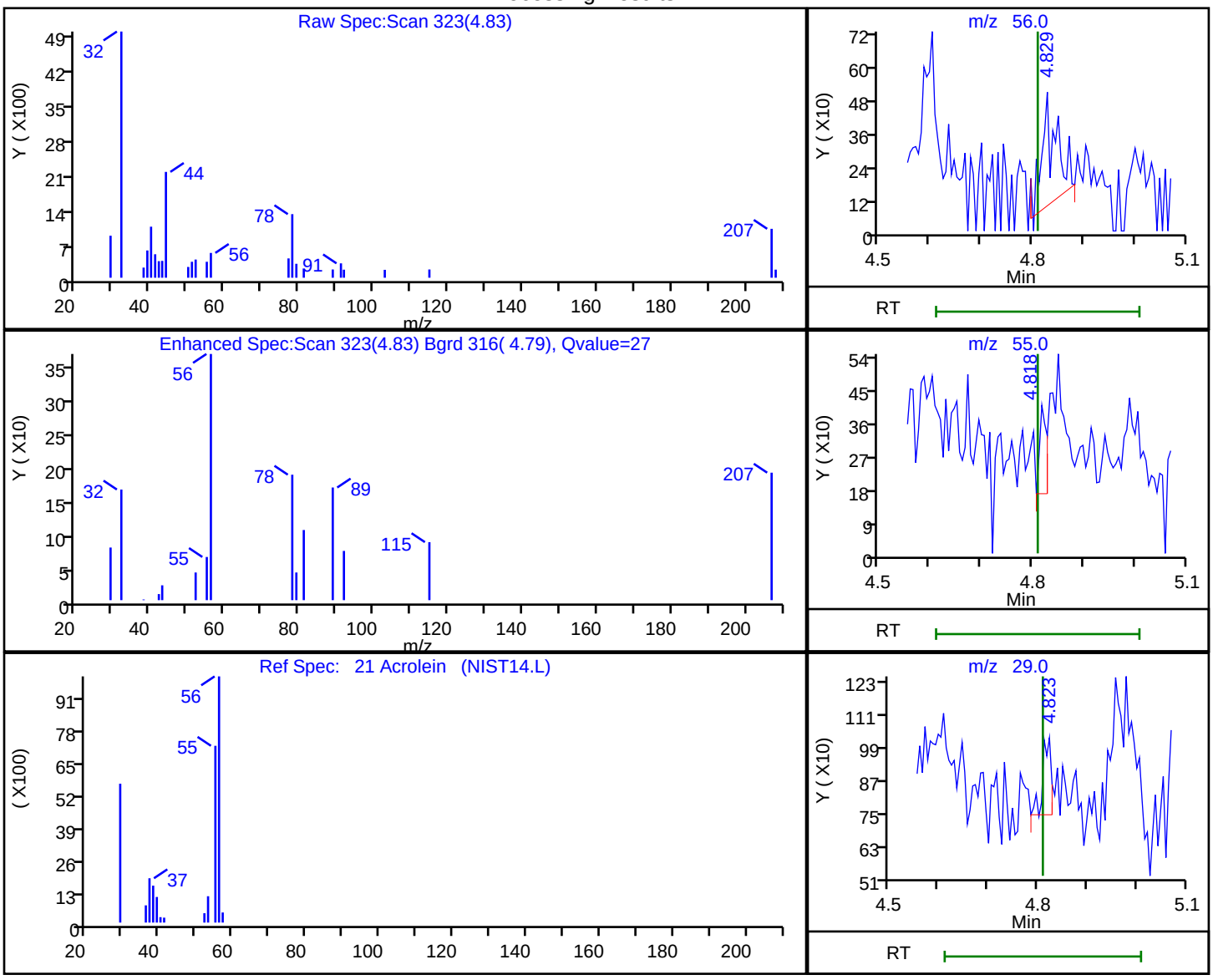
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC01.D				
Injection Date:	17-Feb-2021 16:10:30	Instrument ID:	MR		
Lims ID:	IC L1				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	1	Worklist Smp#:	9
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

21 Acrolein, CAS: 107-02-8

Processing Results



RT	Mass	Response	Amount
4.83	56.00	828	0.026772
4.82	55.00	228	
4.82	29.00	333	

Reviewer: barlozhetskayaa, 18-Feb-2021 15:18:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

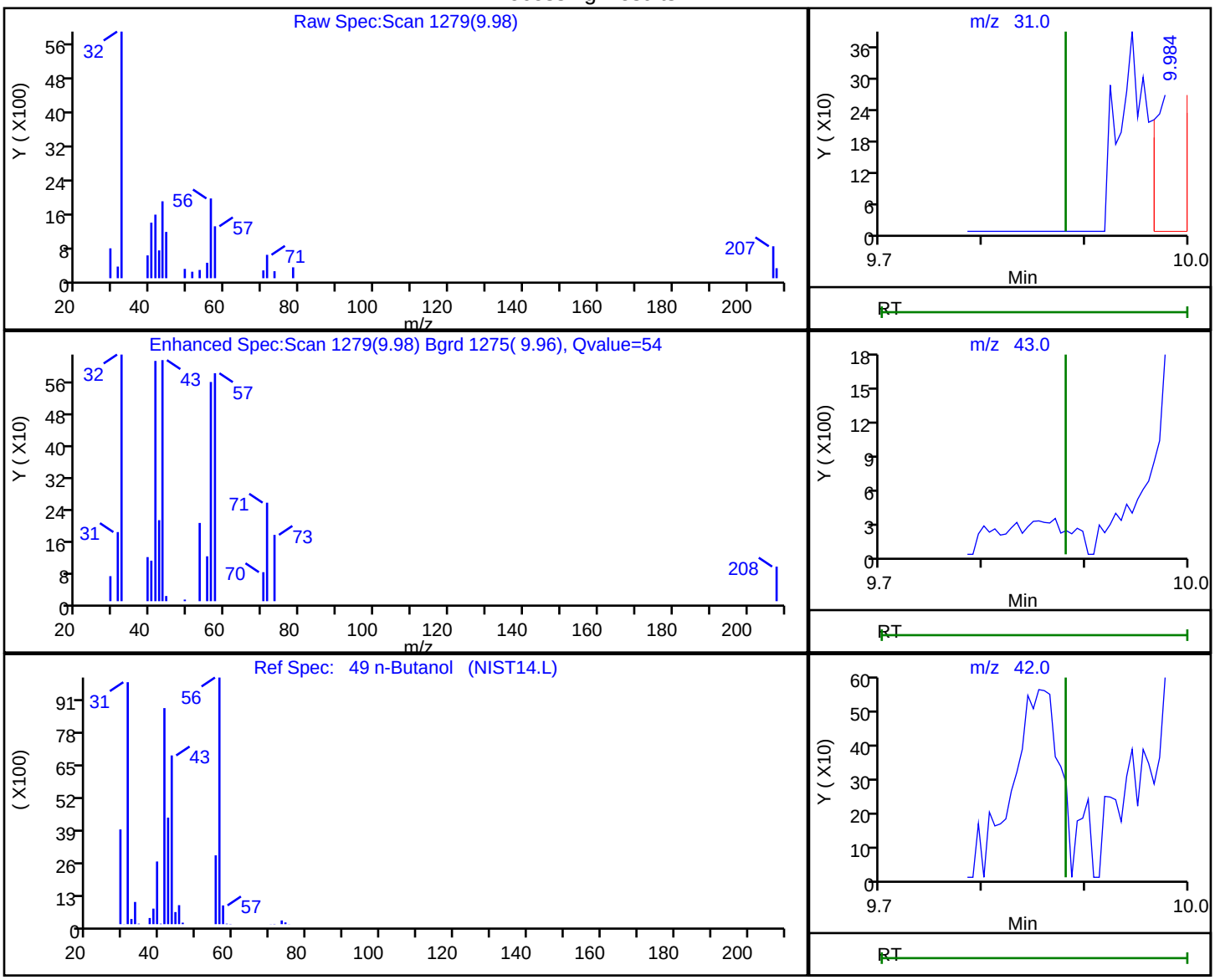
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC01.D				
Injection Date:	17-Feb-2021 16:10:30	Instrument ID:	MR		
Lims ID:	IC L1				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	1	Worklist Smp#:	9
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

49 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
9.98	31.00	429	0.009356
9.99	43.00	7131	
9.99	42.00	2443	

Reviewer: barlozhetskayaa, 18-Feb-2021 15:17:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

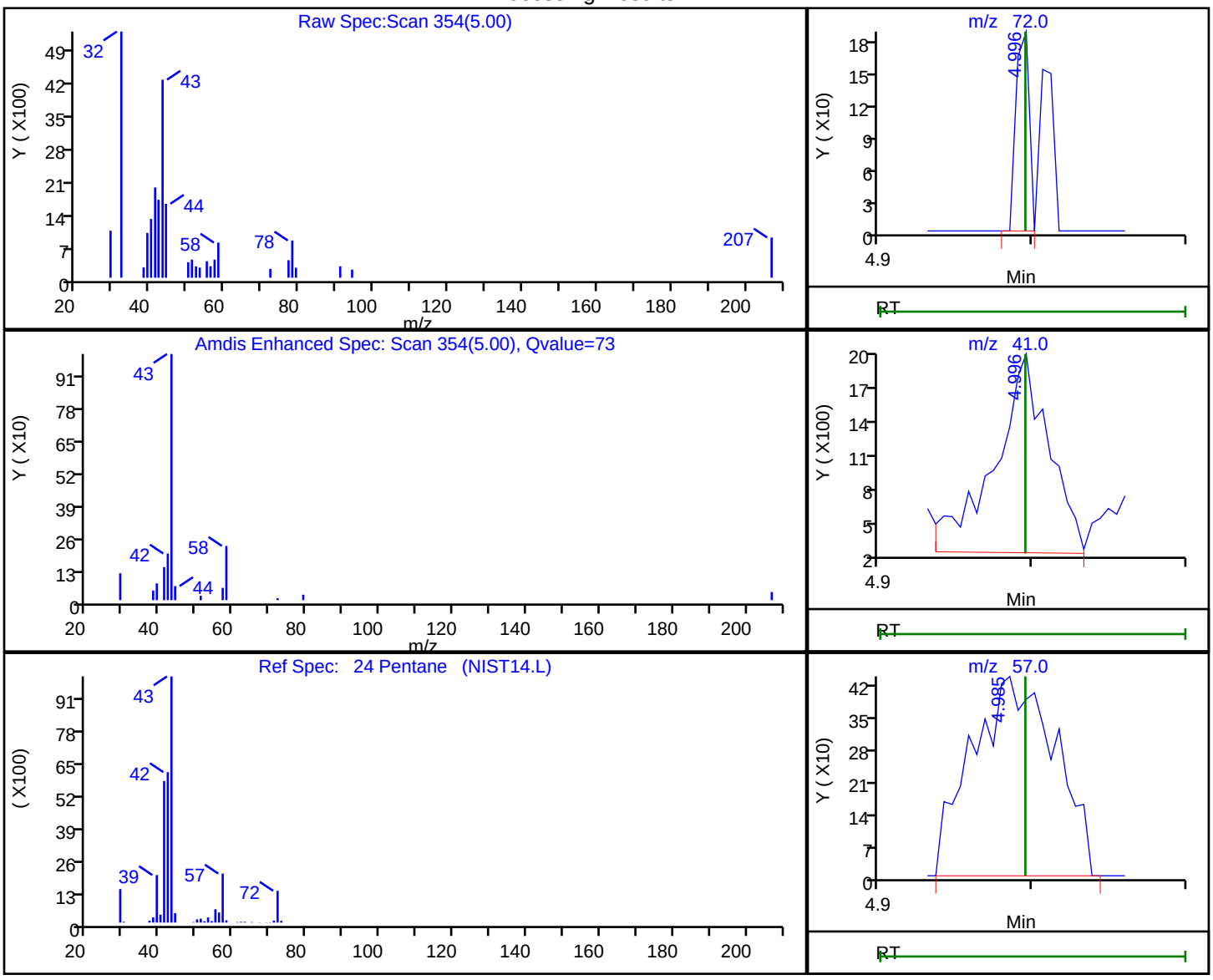
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC01.D				
Injection Date:	17-Feb-2021 16:10:30	Instrument ID:	MR		
Lims ID:	IC L1				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	1	Worklist Smp#:	9
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

24 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
5.00	72.00	115	0.008758
5.00	41.00	4042	
4.98	57.00	1660	

Reviewer: barlozhetskayaa, 18-Feb-2021 15:18:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC02.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Feb-2021 16:57:30 ALS Bottle#: 1 Worklist Smp#: 10
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018243-010
Misc. Info.: 355967
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Feb-2021 15:50:21 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: tajh Date: 18-Feb-2021 10:41:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.226	8.231	-0.005	97	318369	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.431	10.437	-0.006	96	1646258	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.268	15.269	-0.001	89	1332093	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.924	16.924	0.000	94	919166	4.64	4.73	
6 Chlorodifluoromethane	51	3.416	3.413	0.003	98	9788	0.0400	0.0437	
7 Propene	41	3.421	3.423	-0.002	71	5054	0.0400	0.0482	
8 Dichlorodifluoromethane	85	3.470	3.470	0.000	99	7625	0.0400	0.0514	
9 Chloromethane	52	3.631	3.631	0.000	73	1864	0.0400	0.0481	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.637	3.637	0.000	89	7599	0.0400	0.0509	
12 Vinyl chloride	62	3.788	3.784	0.004	57	4943	0.0400	0.0419	
11 Acetaldehyde	44	3.788	3.777	0.011	96	15949	0.2000	0.3766	
13 Butane	43	3.863	3.863	0.000	83	7740	0.0400	0.0463	
14 Butadiene	54	3.858	3.863	-0.005	67	4253	0.0400	0.0459	
15 Bromomethane	94	4.149	4.149	0.000	93	4473	0.0400	0.0469	
16 Chloroethane	64	4.284	4.277	0.007	77	2358	0.0400	0.0500	
17 Ethanol	31	4.408	4.392	0.016	92	7442	0.2000	0.2072	
18 Vinyl bromide	106	4.553	4.547	0.006	96	3582	0.0400	0.0419	
19 2-Methylbutane	43	4.586	4.592	-0.006	91	5183	0.0400	0.0458	
20 Trichlorofluoromethane	101	4.785	4.790	-0.005	98	10255	0.0400	0.0406	
23 Acetone	58	4.953	4.928	0.025	94	11968	0.1200	0.2182	
24 Pentane	72	5.006	4.995	0.011	78	512	0.0400	0.0395	
25 Isopropyl alcohol	45	5.060	5.029	0.031	97	19284	0.1200	0.1272	
26 Ethyl ether	31	5.206	5.176	0.030	98	5068	0.0400	0.0448	
27 1,1-Dichloroethene	96	5.449	5.447	0.002	95	5187	0.0400	0.0490	
28 Acrylonitrile	53	5.578	5.563	0.015	62	1262	0.0400	0.0181	
29 2-Methyl-2-propanol	59	5.654	5.600	0.054	93	8849	0.0400	0.0437	
30 112TCTFE	101	5.616	5.617	-0.001	97	9534	0.0400	0.0438	
31 Methylene Chloride	84	5.772	5.775	-0.003	97	4893	0.0400	0.0555	
32 3-Chloro-1-propene	39	5.788	5.793	-0.005	94	5112	0.0400	0.0537	
33 Carbon disulfide	76	5.923	5.925	-0.002	96	12407	0.0400	0.0426	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 trans-1,2-Dichloroethene	96	6.554	6.551	0.003	95	4196	0.0400	0.0454	
35 2-Methylpentane	43	6.570	6.572	-0.002	95	14094	0.0400	0.0499	
36 Methyl tert-butyl ether	73	6.743	6.709	0.034	95	12227	0.0400	0.0451	
37 1,1-Dichloroethane	63	6.948	6.954	-0.006	99	10253	0.0400	0.0454	
38 Vinyl acetate	43	7.099	7.077	0.022	99	8982	0.0400	0.0338	
40 Hexane	56	7.519	7.523	-0.004	91	4528	0.0400	0.0463	
39 2-Butanone (MEK)	72	7.557	7.518	0.039	98	2145	0.0400	0.0437	
41 Isopropyl ether	45	7.735	7.707	0.028	97	18239	0.0400	0.0439	
42 cis-1,2-Dichloroethene	96	7.897	7.910	-0.013	96	4719	0.0400	0.0441	
43 Ethyl acetate	43	8.145	8.125	0.020	98	11782	0.0400	0.0449	
44 Chloroform	83	8.242	8.246	-0.004	90	9832	0.0400	0.0453	
45 Tert-butyl ethyl ether	59	8.404	8.372	0.032	97	15441	0.0400	0.0424	
46 Tetrahydrofuran	42	8.706	8.674	0.032	94	7117	0.0400	0.0498	
47 1,1,1-Trichloroethane	97	9.250	9.254	-0.004	96	9230	0.0400	0.0418	
48 1,2-Dichloroethane	62	9.353	9.361	-0.008	96	6403	0.0400	0.0408	
50 Cyclohexane	69	9.843	9.855	-0.012	70	2260	0.0400	0.0467	
51 Benzene	78	9.854	9.855	-0.001	96	15557	0.0400	0.0502	
49 n-Butanol	31	9.924	9.881	0.043	64	2093	0.0400	0.0465	
52 Carbon tetrachloride	117	9.876	9.880	-0.004	92	7450	0.0400	0.0372	
53 2,3-Dimethylpentane	71	10.000	9.997	0.003	94	2982	0.0400	0.0412	
54 Thiophene	84	10.129	10.139	-0.010	97	7822	0.0400	0.0422	
55 Isooctane	57	10.668	10.670	-0.002	98	29357	0.0400	0.0476	
56 n-Heptane	71	11.057	11.066	-0.009	91	4648	0.0400	0.0417	
57 1,2-Dichloropropane	63	11.121	11.128	-0.007	93	7874	0.0400	0.0517	
58 Trichloroethene	130	11.154	11.167	-0.013	92	6005	0.0400	0.0440	
59 Dibromomethane	93	11.251	11.249	0.002	95	5518	0.0400	0.0449	
60 Dichlorobromomethane	83	11.396	11.403	-0.007	96	8879	0.0400	0.0408	
61 1,4-Dioxane	88	11.499	11.461	0.038	54	2054	0.0400	0.0435	
62 Methyl methacrylate	41	11.537	11.533	0.004	90	6358	0.0400	0.0417	
63 Methylcyclohexane	83	11.957	11.960	-0.003	91	8631	0.0400	0.0426	
65 cis-1,3-Dichloropropene	75	12.437	12.441	-0.004	86	6641	0.0400	0.0388	
64 4-Methyl-2-pentanone (MIBK)	43	12.443	12.416	0.027	93	11878	0.0400	0.0410	
66 trans-1,3-Dichloropropene	75	13.154	13.157	-0.003	94	4783	0.0400	0.0358	
67 Toluene	91	13.273	13.275	-0.002	93	18343	0.0400	0.0502	
68 1,1,2-Trichloroethane	83	13.348	13.352	-0.004	94	5603	0.0400	0.0484	
69 2-Hexanone	58	13.796	13.778	0.018	97	3897	0.0400	0.0298	
70 n-Octane	85	14.001	14.002	-0.001	95	4555	0.0400	0.0422	
71 Chlorodibromomethane	129	14.055	14.058	-0.003	96	7524	0.0400	0.0387	
72 Ethylene Dibromide	107	14.351	14.353	-0.002	95	7939	0.0400	0.0431	
73 Tetrachloroethene	129	14.432	14.435	-0.003	95	6100	0.0400	0.0472	
74 Chlorobenzene	112	15.317	15.318	-0.001	93	13327	0.0400	0.0493	
75 2,3-Dimethylheptane	43	15.365	15.364	0.001	94	19904	0.0400	0.0496	
76 Ethylbenzene	91	15.619	15.618	0.001	98	21988	0.0400	0.0478	
77 m-Xylene & p-Xylene	91	15.780	15.781	-0.001	97	35499	0.0800	0.0999	
79 Bromoform	173	16.217	16.217	0.000	62	6409	0.0400	0.0339	
78 n-Nonane	57	16.223	16.224	-0.001	94	12369	0.0400	0.0496	
80 Styrene	104	16.250	16.247	0.003	99	10070	0.0400	0.0432	
81 o-Xylene	91	16.309	16.308	0.001	99	18587	0.0400	0.0521	
82 1,1,2,2-Tetrachloroethane	83	16.632	16.634	-0.002	97	13481	0.0400	0.0495	
83 1,2,3-Trichloropropane	110	16.800	16.794	0.006	95	2675	0.0400	0.0402	
84 Isopropylbenzene	105	16.902	16.900	0.002	96	24522	0.0400	0.0513	
85 N-Propylbenzene	120	17.452	17.452	0.000	99	5763	0.0400	0.0430	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 2-Chlorotoluene	126	17.495	17.490	0.005	98	5973	0.0400	0.0510	
87 4-Ethyltoluene	105	17.614	17.610	0.004	99	20205	0.0400	0.0424	
88 1,3,5-Trimethylbenzene	120	17.689	17.690	-0.001	93	9508	0.0400	0.0477	
89 Alpha Methyl Styrene	118	17.932	17.928	0.004	84	6390	0.0400	0.0342	
90 n-Decane	57	18.013	18.008	0.005	89	13286	0.0400	0.0405	
91 tert-Butylbenzene	119	18.126	18.126	0.000	91	21493	0.0400	0.0538	
92 1,2,4-Trimethylbenzene	105	18.142	18.143	-0.001	97	20037	0.0400	0.0499	
93 sec-Butylbenzene	105	18.406	18.407	-0.001	99	28610	0.0400	0.0509	
94 1,3-Dichlorobenzene	146	18.417	18.413	0.004	99	11839	0.0400	0.0481	
95 Benzyl chloride	91	18.493	18.492	0.001	80	8671	0.0400	0.0329	
96 1,4-Dichlorobenzene	146	18.509	18.504	0.005	92	11718	0.0400	0.0484	
97 4-Isopropyltoluene	119	18.579	18.577	0.002	96	19884	0.0400	0.0430	
98 1,2,3-Trimethylbenzene	105	18.622	18.624	-0.002	98	20476	0.0400	0.0482	
99 Butylcyclohexane	83	18.687	18.687	0.000	90	16821	0.0400	0.0488	
101 1,2-Dichlorobenzene	146	18.876	18.872	0.004	80	12796	0.0400	0.0520	
100 2,3-Dihydroindene	117	18.876	18.872	0.004	92	17622	0.0400	0.0513	
102 Indene	116	19.005	19.005	0.000	89	11540	0.0400	0.0414	
103 n-Butylbenzene	91	19.021	19.022	-0.001	97	17687	0.0400	0.0394	
104 Undecane	57	19.361	19.357	0.004	95	9980	0.0400	0.0266	
105 1,2-Dibromo-3-Chloropropane	157	19.490	19.487	0.003	91	4100	0.0400	0.0353	
106 1,2,4,5-Tetramethylbenzene	119	19.792	19.792	0.000	96	17328	0.0400	0.0396	
107 Dodecane	57	20.423	20.418	0.005	94	12074	0.0400	0.0315	
108 1,2,4-Trichlorobenzene	180	20.590	20.587	0.003	91	5453	0.0400	0.0470	
109 Naphthalene	128	20.720	20.719	0.001	98	11610	0.0400	0.0246	
110 Hexachlorobutadiene	225	20.946	20.942	0.004	95	13382	0.0400	0.0554	
111 1,2,3-Trichlorobenzene	180	21.006	21.005	0.001	92	10045	0.0400	0.0494	
112 2-Methylnaphthalene	142	21.777	21.774	0.003	85	1588	0.0400	0.0138	
113 1-Methylnaphthalene	142	21.922	21.913	0.009	92	7972	0.0400	0.0593	
A 116 C8 Range	1	13.991	(13.963-14.039)		0	52079	0.0400	0.0439	
S 117 Xylenes, Total	100				0		0.1200	0.1520	
S 118 1,2-Dichloroethene, Total	1				0		0.0800	0.0895	

QC Flag Legend

Processing Flags

Reagents:

40L1-3DQP_00039	Amount Added: 100.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

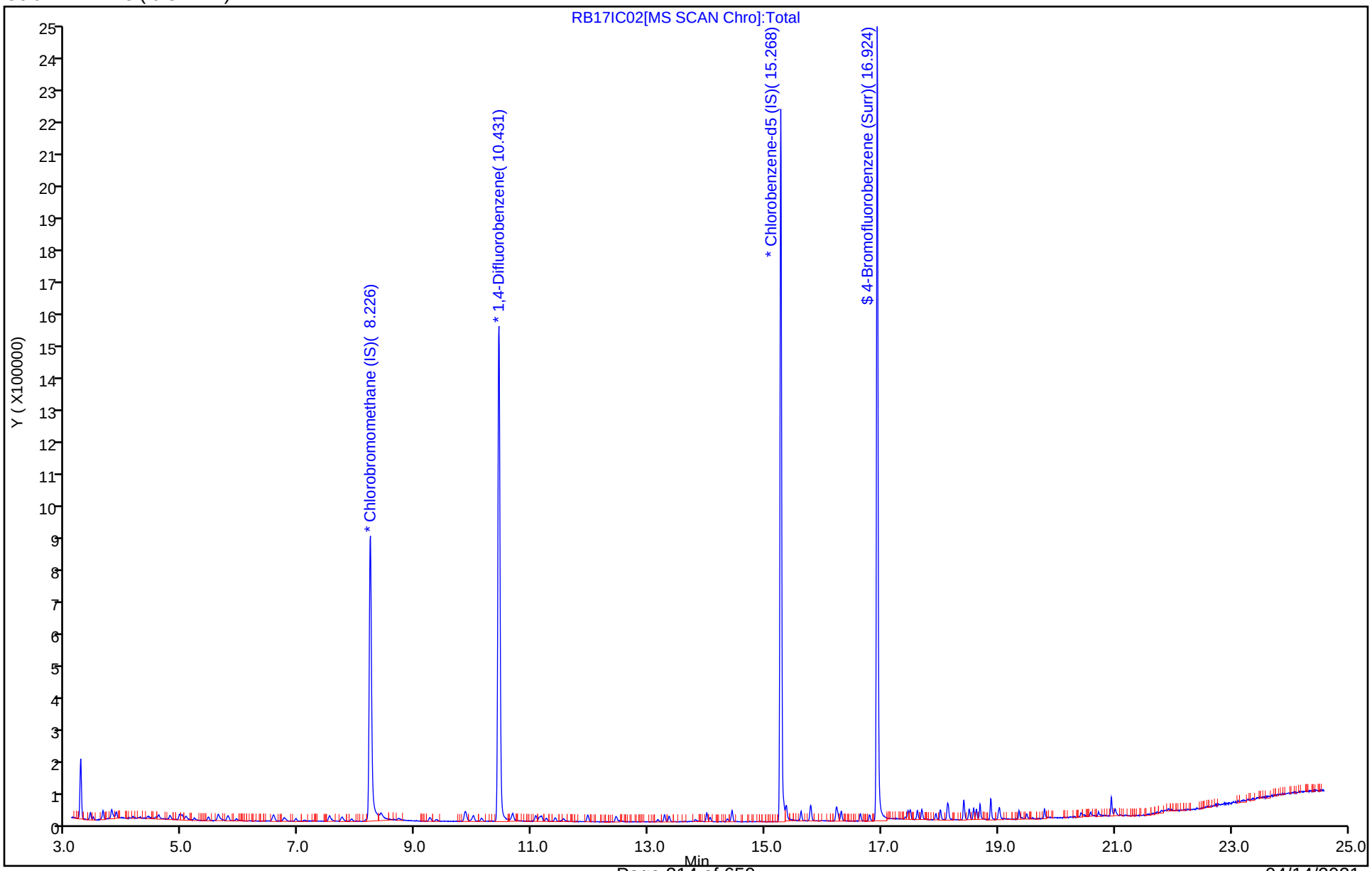
Report Date: 18-Feb-2021 15:50:23 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC02.D

Injection Date:	17-Feb-2021 16:57:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L2			Worklist Smp#:	10
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

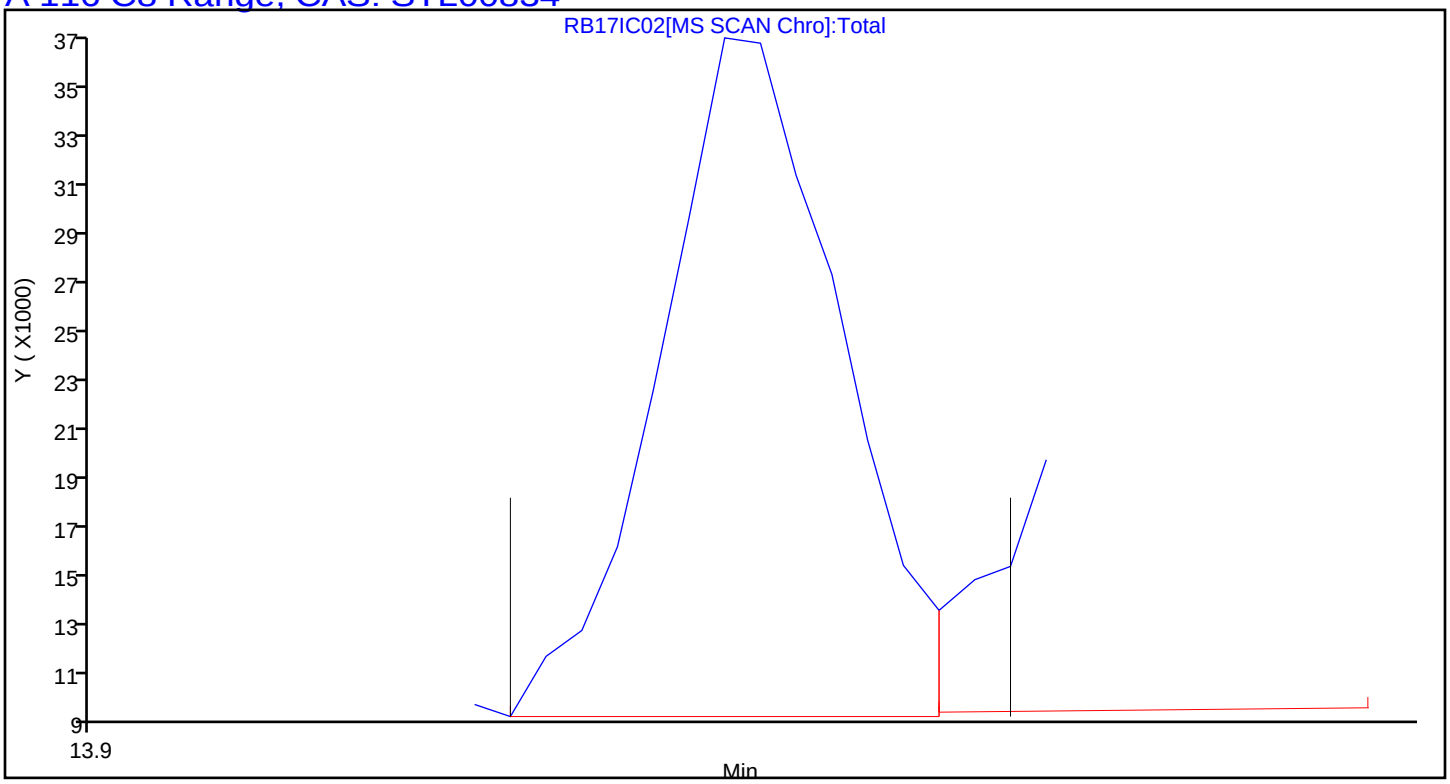


Report Date: 18-Feb-2021 15:50:23 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC02.D				
Injection Date:	17-Feb-2021 16:57:30	Instrument ID:	MR		
Lims ID:	IC L2				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	1	Worklist Smp#:	10
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



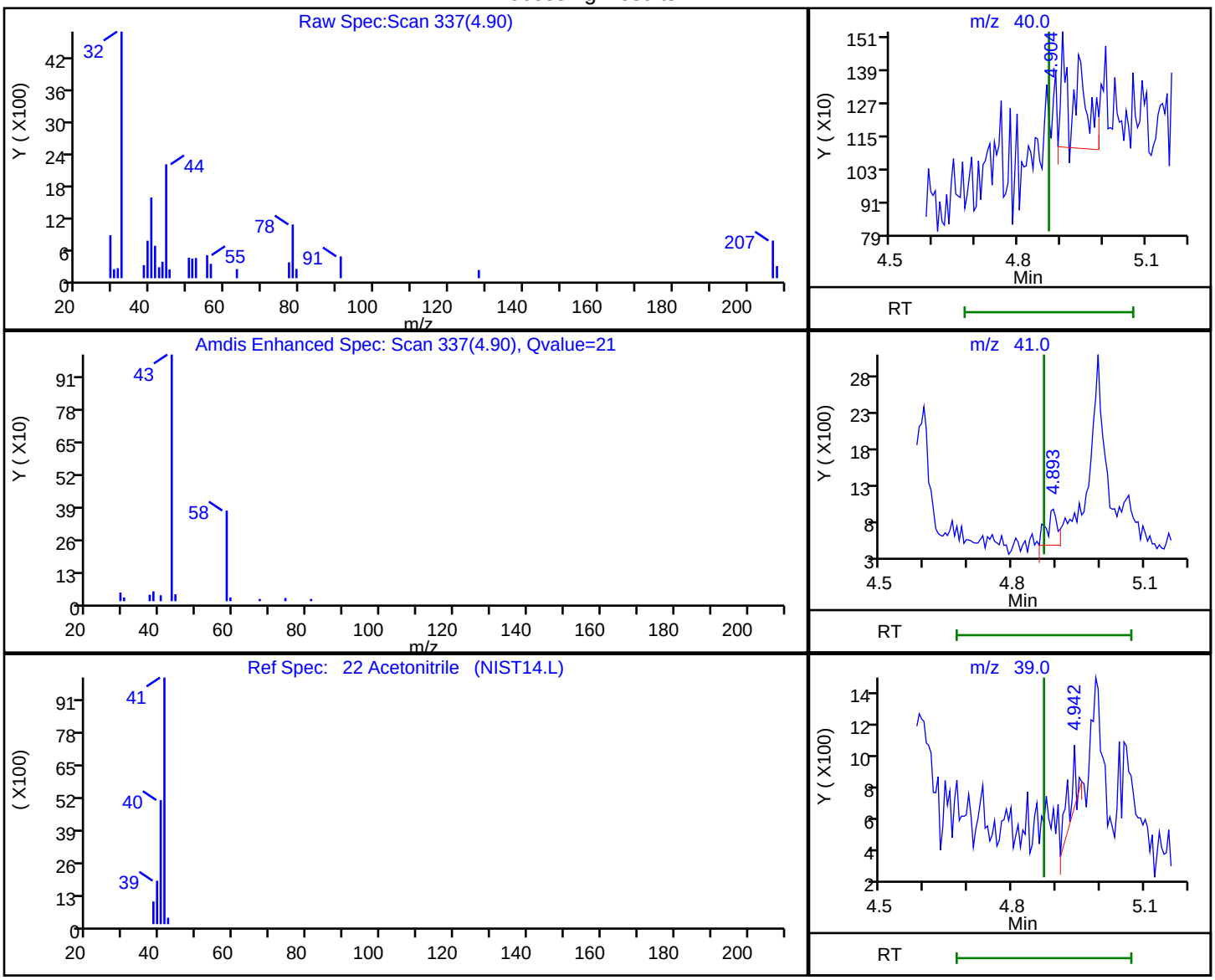
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC02.D				
Injection Date:	17-Feb-2021 16:57:30	Instrument ID:	MR		
Lims ID:	IC L2				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	1	Worklist Smp#:	10
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

22 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
4.90	40.00	1061	0.031637
4.89	41.00	860	
4.94	39.00	373	

Reviewer: barlozhetskayaa, 18-Feb-2021 15:15:26

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

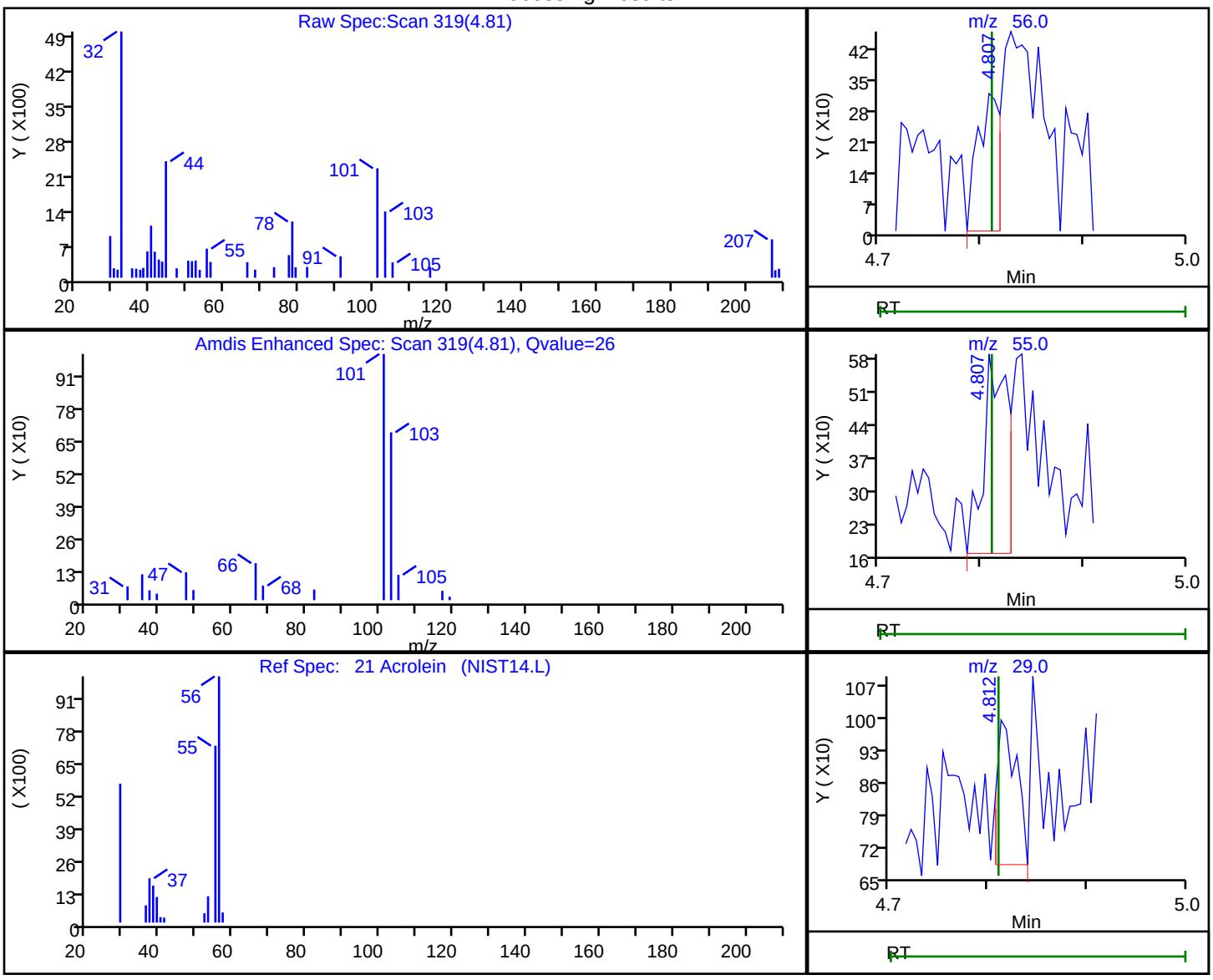
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC02.D				
Injection Date:	17-Feb-2021 16:57:30	Instrument ID:	MR		
Lims ID:	IC L2				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	1	Worklist Smp#:	10
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

21 Acrolein, CAS: 107-02-8

Processing Results



RT	Mass	Response	Amount
4.81	56.00	482	0.015799
4.81	55.00	692	
4.81	29.00	432	

Reviewer: barlozhetskayaa, 18-Feb-2021 15:15:25

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC03.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Feb-2021 17:46:30 ALS Bottle#: 1 Worklist Smp#: 11
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018243-011
Misc. Info.: 355967
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Feb-2021 15:50:31 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: tajh Date: 18-Feb-2021 10:42:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.226	8.231	-0.005	97	312475	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.431	10.437	-0.006	96	1618259	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.268	15.269	-0.001	90	1341030	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.924	16.924	0.000	94	920832	4.64	4.71	
6 Chlorodifluoromethane	51	3.410	3.413	-0.003	97	17374	0.0800	0.0790	
7 Propene	41	3.427	3.423	0.004	96	8834	0.0800	0.0858	
8 Dichlorodifluoromethane	85	3.470	3.470	0.000	99	11675	0.0800	0.0803	
9 Chloromethane	52	3.632	3.631	0.001	80	3643	0.0800	0.0958	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.637	3.637	0.000	92	12118	0.0800	0.0828	
11 Acetaldehyde	44	3.782	3.777	0.005	93	30457	0.4000	0.7328	
12 Vinyl chloride	62	3.782	3.784	-0.002	57	9415	0.0800	0.0814	
14 Butadiene	54	3.863	3.863	0.000	61	7731	0.0800	0.0851	
13 Butane	43	3.863	3.863	0.000	86	15304	0.0800	0.0932	
15 Bromomethane	94	4.149	4.149	0.000	98	8190	0.0800	0.0874	
16 Chloroethane	64	4.279	4.277	0.002	95	4255	0.0800	0.0919	
17 Ethanol	31	4.403	4.392	0.011	91	13003	0.4000	0.3688	
18 Vinyl bromide	106	4.543	4.547	-0.004	98	6410	0.0800	0.0763	
19 2-Methylbutane	43	4.597	4.592	0.005	89	9389	0.0800	0.0845	
20 Trichlorofluoromethane	101	4.791	4.790	0.001	99	19927	0.0800	0.0804	
21 Acrolein	56	4.818	4.810	0.008	88	1815	0.0800	0.0606	
23 Acetone	58	4.947	4.928	0.019	96	20307	0.2400	0.3773	
24 Pentane	72	4.990	4.995	-0.005	99	962	0.0800	0.0757	
25 Isopropyl alcohol	45	5.044	5.029	0.015	91	38584	0.2400	0.2594	
26 Ethyl ether	31	5.201	5.176	0.025	94	9626	0.0800	0.0866	
27 1,1-Dichloroethene	96	5.443	5.447	-0.004	95	8660	0.0800	0.0833	
28 Acrylonitrile	53	5.567	5.563	0.004	95	3042	0.0800	0.0444	
30 112TCTFE	101	5.611	5.617	-0.007	96	18341	0.0800	0.0858	
29 2-Methyl-2-propanol	59	5.643	5.600	0.043	95	17593	0.0800	0.0885	
31 Methylene Chloride	84	5.772	5.775	-0.003	98	8657	0.0800	0.1000	
32 3-Chloro-1-propene	39	5.788	5.793	-0.005	93	8943	0.0800	0.0957	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Carbon disulfide	76	5.929	5.925	0.004	100	23044	0.0800	0.0807	
34 trans-1,2-Dichloroethene	96	6.549	6.551	-0.002	93	7281	0.0800	0.0803	
35 2-Methylpentane	43	6.570	6.572	-0.002	96	24338	0.0800	0.0878	
36 Methyl tert-butyl ether	73	6.738	6.709	0.029	96	22598	0.0800	0.0849	
37 1,1-Dichloroethane	63	6.953	6.954	-0.001	100	18425	0.0800	0.0831	
38 Vinyl acetate	43	7.077	7.077	0.000	100	15059	0.0800	0.0577	
40 Hexane	56	7.525	7.523	0.002	88	8563	0.0800	0.0892	
39 2-Butanone (MEK)	72	7.541	7.518	0.023	90	4342	0.0800	0.0900	
41 Isopropyl ether	45	7.724	7.707	0.017	97	35180	0.0800	0.0862	
42 cis-1,2-Dichloroethene	96	7.908	7.910	-0.002	96	8760	0.0800	0.0833	
43 Ethyl acetate	43	8.140	8.125	0.015	99	19952	0.0800	0.0774	
44 Chloroform	83	8.237	8.246	-0.009	88	18402	0.0800	0.0863	
45 Tert-butyl ethyl ether	59	8.398	8.372	0.026	96	30210	0.0800	0.0846	
46 Tetrahydrofuran	42	8.711	8.674	0.037	93	12338	0.0800	0.0879	
47 1,1,1-Trichloroethane	97	9.256	9.254	0.002	97	17930	0.0800	0.0827	
48 1,2-Dichloroethane	62	9.358	9.361	-0.003	96	12412	0.0800	0.0805	
50 Cyclohexane	69	9.860	9.855	0.005	71	4379	0.0800	0.0921	
51 Benzene	78	9.849	9.855	-0.006	97	27662	0.0800	0.0907	
52 Carbon tetrachloride	117	9.876	9.880	-0.004	96	14621	0.0800	0.0744	
49 n-Butanol	31	9.919	9.881	0.038	41	3749	0.0800	0.0848	
53 2,3-Dimethylpentane	71	9.989	9.997	-0.008	91	5817	0.0800	0.0818	
54 Thiophene	84	10.135	10.139	-0.004	99	14382	0.0800	0.0790	
55 Isooctane	57	10.669	10.670	-0.001	98	50951	0.0800	0.0841	
56 n-Heptane	71	11.068	11.066	0.002	91	8923	0.0800	0.0814	
57 1,2-Dichloropropane	63	11.127	11.128	-0.001	96	13558	0.0800	0.0906	
58 Trichloroethene	130	11.165	11.167	-0.002	92	11073	0.0800	0.0825	
59 Dibromomethane	93	11.246	11.249	-0.003	94	9952	0.0800	0.0825	
60 Dichlorobromomethane	83	11.402	11.403	-0.001	97	17218	0.0800	0.0805	
61 1,4-Dioxane	88	11.499	11.461	0.038	87	3950	0.0800	0.0850	
62 Methyl methacrylate	41	11.542	11.533	0.009	91	9462	0.0800	0.0631	
63 Methylcyclohexane	83	11.957	11.960	-0.003	93	16558	0.0800	0.0831	
65 cis-1,3-Dichloropropene	75	12.443	12.441	0.002	89	11651	0.0800	0.0692	
64 4-Methyl-2-pentanone (MIBK)	43	12.437	12.416	0.021	91	20326	0.0800	0.0713	
66 trans-1,3-Dichloropropene	75	13.160	13.157	0.003	97	8843	0.0800	0.0657	
67 Toluene	91	13.273	13.275	-0.002	92	32980	0.0800	0.0897	
68 1,1,2-Trichloroethane	83	13.354	13.352	0.002	93	10244	0.0800	0.0879	
69 2-Hexanone	58	13.796	13.778	0.018	92	7875	0.0800	0.0599	
70 n-Octane	85	14.001	14.002	-0.001	95	9308	0.0800	0.0856	
71 Chlorodibromomethane	129	14.055	14.058	-0.003	97	14369	0.0800	0.0734	
72 Ethylene Dibromide	107	14.357	14.353	0.004	97	13839	0.0800	0.0746	
73 Tetrachloroethene	129	14.438	14.435	0.003	94	11163	0.0800	0.0858	
74 Chlorobenzene	112	15.317	15.318	-0.001	96	24104	0.0800	0.0886	
75 2,3-Dimethylheptane	43	15.365	15.364	0.001	94	36895	0.0800	0.0913	
76 Ethylbenzene	91	15.619	15.618	0.001	98	40151	0.0800	0.0867	
77 m-Xylene & p-Xylene	91	15.781	15.781	0.000	97	63223	0.1600	0.1767	
79 Bromoform	173	16.217	16.217	0.000	94	12167	0.0800	0.0639	
78 n-Nonane	57	16.223	16.224	-0.001	95	23580	0.0800	0.0938	
80 Styrene	104	16.250	16.247	0.003	98	18029	0.0800	0.0768	
81 o-Xylene	91	16.309	16.308	0.001	99	32924	0.0800	0.0916	
82 1,1,2,2-Tetrachloroethane	83	16.638	16.634	0.004	99	24303	0.0800	0.0887	
83 1,2,3-Trichloropropane	110	16.794	16.794	0.000	96	5679	0.0800	0.0849	
84 Isopropylbenzene	105	16.902	16.900	0.002	97	43026	0.0800	0.0895	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	120	17.452	17.452	0.000	98	10758	0.0800	0.0798	
86 2-Chlorotoluene	126	17.490	17.490	0.000	97	10454	0.0800	0.0887	
87 4-Ethyltoluene	105	17.614	17.610	0.004	98	38975	0.0800	0.0813	
88 1,3,5-Trimethylbenzene	120	17.695	17.690	0.005	92	18552	0.0800	0.0925	
89 Alpha Methyl Styrene	118	17.932	17.928	0.004	87	12848	0.0800	0.0683	
90 n-Decane	57	18.008	18.008	0.000	88	27958	0.0800	0.0847	
91 tert-Butylbenzene	119	18.126	18.126	0.000	91	40410	0.0800	0.1004	
92 1,2,4-Trimethylbenzene	105	18.142	18.143	-0.001	96	37744	0.0800	0.0933	
93 sec-Butylbenzene	105	18.407	18.407	0.000	99	54555	0.0800	0.0964	
94 1,3-Dichlorobenzene	146	18.417	18.413	0.004	99	21039	0.0800	0.0849	
95 Benzyl chloride	91	18.493	18.492	0.001	97	16422	0.0800	0.0619	
96 1,4-Dichlorobenzene	146	18.504	18.504	0.000	92	21174	0.0800	0.0868	
97 4-Isopropyltoluene	119	18.579	18.577	0.002	96	40009	0.0800	0.0860	
98 1,2,3-Trimethylbenzene	105	18.628	18.624	0.004	99	37566	0.0800	0.0879	
99 Butylcyclohexane	83	18.687	18.687	0.000	90	32639	0.0800	0.0940	
101 1,2-Dichlorobenzene	146	18.876	18.872	0.004	80	24249	0.0800	0.0979	
100 2,3-Dihydroindene	117	18.876	18.872	0.004	93	33231	0.0800	0.0961	
102 Indene	116	19.005	19.005	0.000	89	23473	0.0800	0.0837	
103 n-Butylbenzene	91	19.021	19.022	-0.001	96	38257	0.0800	0.0848	
104 Undecane	57	19.356	19.357	-0.001	94	27859	0.0800	0.0737	
105 1,2-Dibromo-3-Chloropropane	157	19.490	19.487	0.003	89	7629	0.0800	0.0653	
106 1,2,4,5-Tetramethylbenzene	119	19.792	19.792	0.000	96	36130	0.0800	0.0820	
107 Dodecane	57	20.418	20.418	0.000	93	26756	0.0800	0.0692	
108 1,2,4-Trichlorobenzene	180	20.591	20.587	0.003	95	12239	0.0800	0.0798	
109 Naphthalene	128	20.720	20.719	0.001	98	29193	0.0800	0.0615	
110 Hexachlorobutadiene	225	20.941	20.942	-0.001	95	24642	0.0800	0.1014	
111 1,2,3-Trichlorobenzene	180	21.006	21.005	0.001	95	19285	0.0800	0.0942	
112 2-Methylnaphthalene	142	21.777	21.774	0.003	95	3781	0.0800	0.0326	
113 1-Methylnaphthalene	142	21.917	21.913	0.004	98	11311	0.0800	0.0836	
A 116 C8 Range	1	13.991	(13.963-14.050)		0	98766	0.0800	0.0848	
S 117 Xylenes, Total	100				0		0.2400	0.2683	
S 118 1,2-Dichloroethene, Total	1				0		0.1600	0.1637	

QC Flag Legend

Processing Flags

Reagents:

40L1-3DQP_00039	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

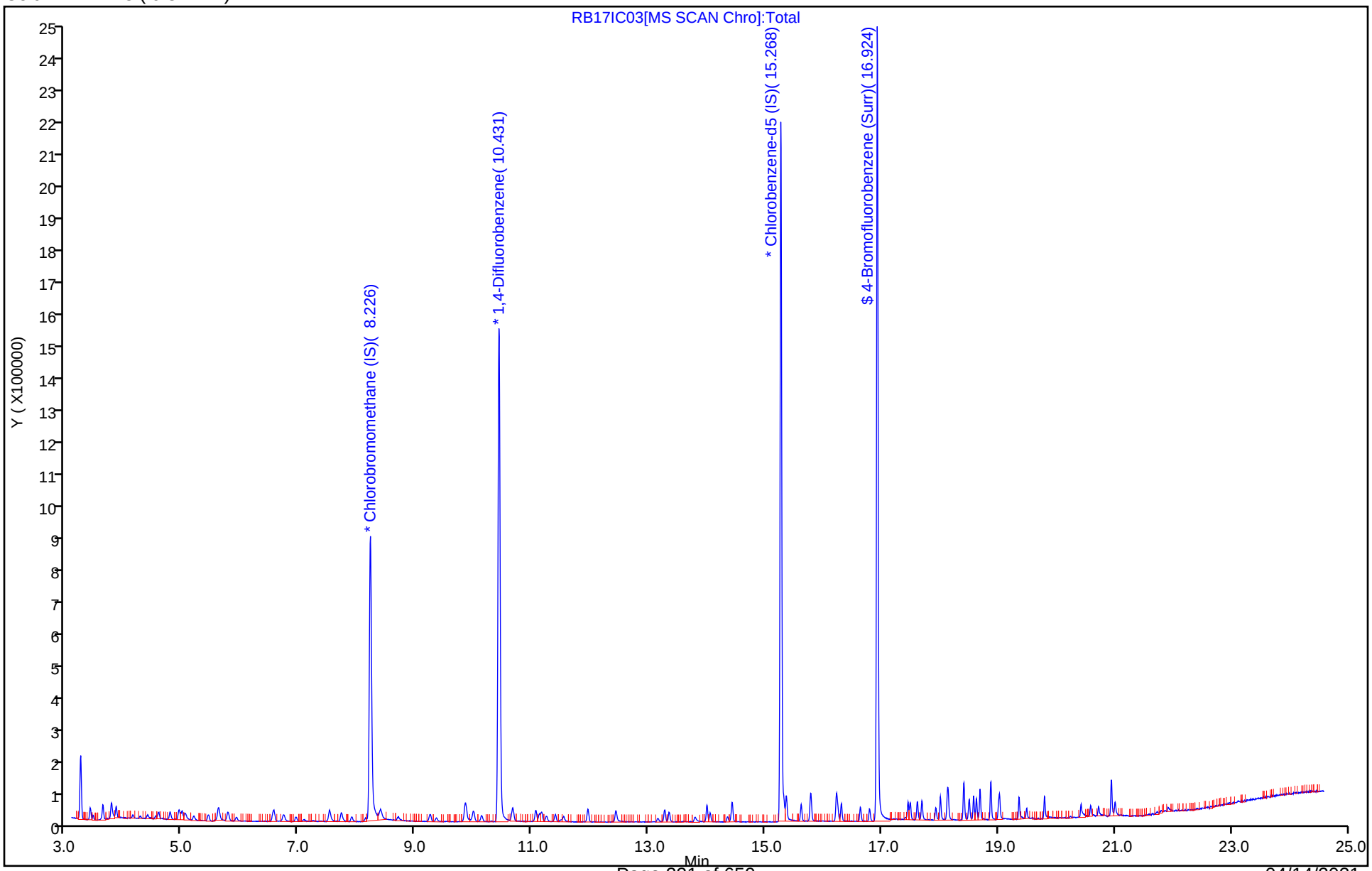
Report Date: 18-Feb-2021 15:50:32 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC03.D

Injection Date:	17-Feb-2021 17:46:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L3			Worklist Smp#:	11
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

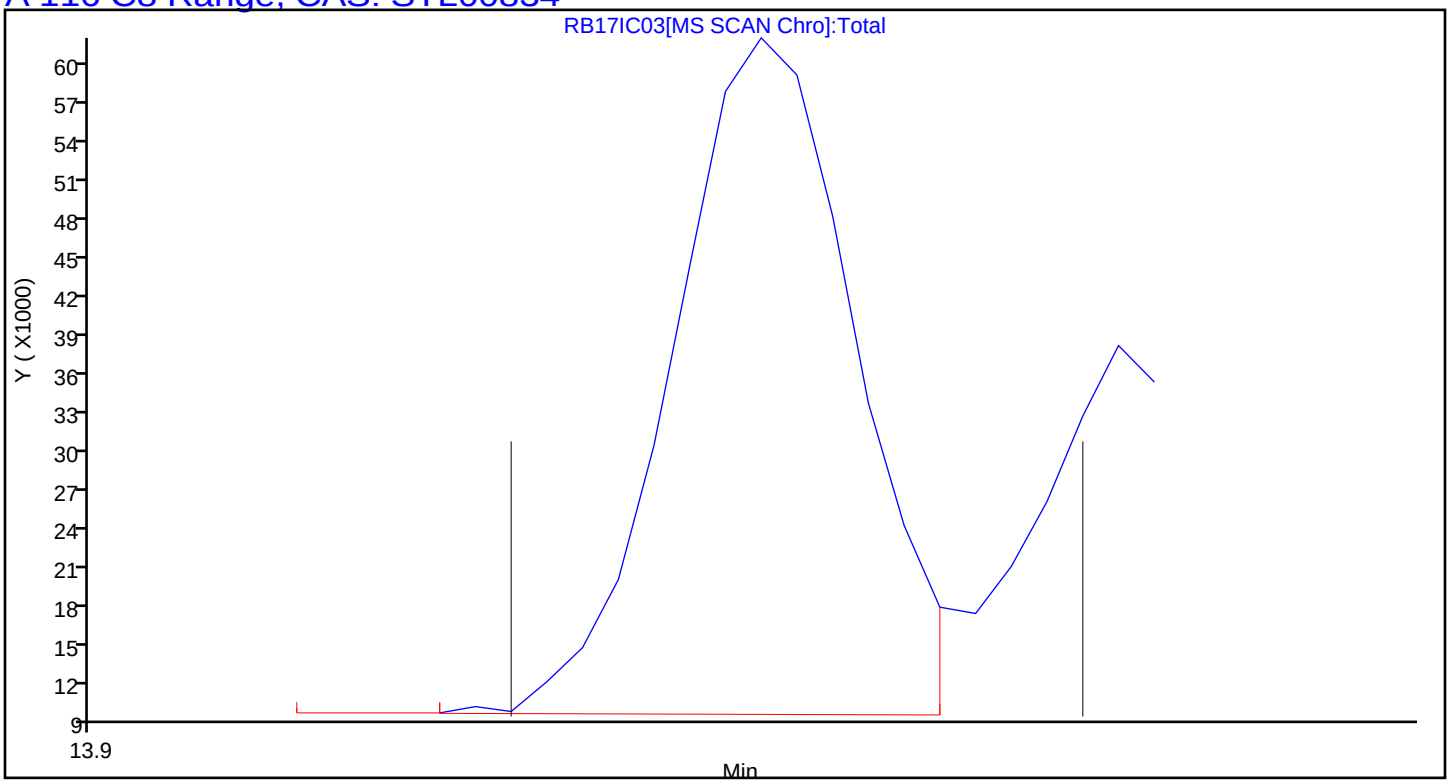


Report Date: 18-Feb-2021 15:50:32 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC03.D				
Injection Date:	17-Feb-2021 17:46:30	Instrument ID:	MR		
Lims ID:	IC L3				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	1	Worklist Smp#:	11
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



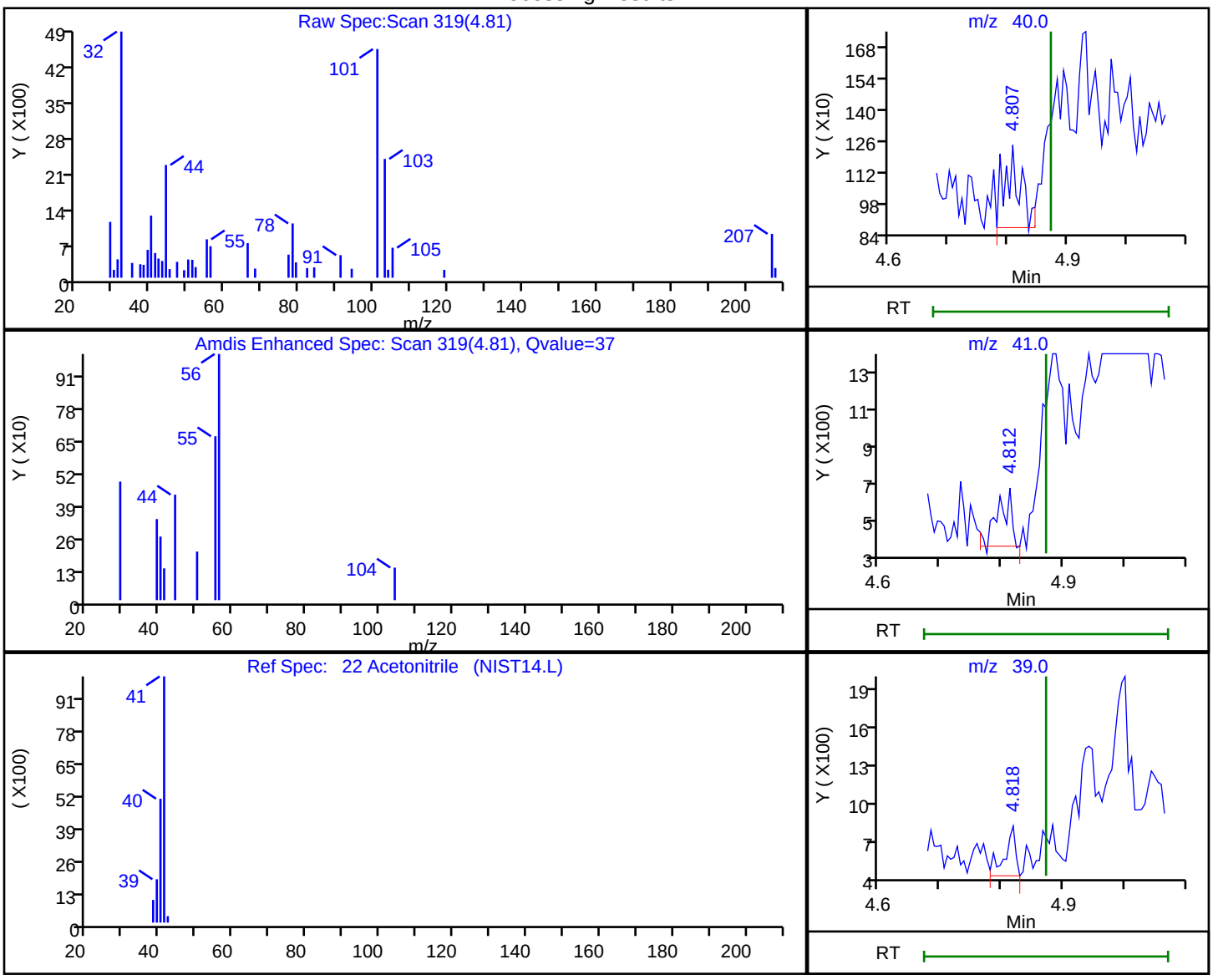
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC03.D				
Injection Date:	17-Feb-2021 17:46:30	Instrument ID:	MR		
Lims ID:	IC L3				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	1	Worklist Smp#:	11
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

22 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
4.81	40.00	672	0.020416
4.81	41.00	444	
4.82	39.00	477	

Reviewer: barlozhetskayaa, 18-Feb-2021 15:15:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC04.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Feb-2021 18:34:30 ALS Bottle#: 2 Worklist Smp#: 12
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018243-012
Misc. Info.: 355965
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Feb-2021 15:50:40 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: tajh Date: 18-Feb-2021 10:44:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.226	8.231	-0.005	97	312605	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.431	10.437	-0.006	96	1625545	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.268	15.269	-0.001	89	1331302	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.924	16.924	0.000	94	920970	4.64	4.74	
6 Chlorodifluoromethane	51	3.416	3.413	0.003	96	36023	0.1600	0.1636	
7 Propene	41	3.421	3.423	-0.002	99	17785	0.1600	0.1727	
8 Dichlorodifluoromethane	85	3.470	3.470	0.000	100	24412	0.1600	0.1678	
9 Chloromethane	52	3.626	3.631	-0.005	95	6072	0.1600	0.1596	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.637	3.637	0.000	91	25831	0.1600	0.1764	
11 Acetaldehyde	44	3.782	3.777	0.005	94	42316	0.8000	1.02	
12 Vinyl chloride	62	3.788	3.784	0.004	65	19700	0.1600	0.1702	
13 Butane	43	3.863	3.863	0.000	85	30795	0.1600	0.1875	
14 Butadiene	54	3.863	3.863	0.000	65	16067	0.1600	0.1768	
15 Bromomethane	94	4.149	4.149	0.000	98	15671	0.1600	0.1672	
16 Chloroethane	64	4.273	4.277	-0.004	95	7785	0.1600	0.1681	
17 Ethanol	31	4.392	4.392	0.000	91	29879	0.8000	0.8471	
18 Vinyl bromide	106	4.548	4.547	0.001	98	12635	0.1600	0.1504	
19 2-Methylbutane	43	4.591	4.592	-0.001	92	18528	0.1600	0.1667	
20 Trichlorofluoromethane	101	4.791	4.790	0.001	99	40368	0.1600	0.1628	
21 Acrolein	56	4.818	4.810	0.008	89	4998	0.1600	0.1668	
22 Acetonitrile	40	4.882	4.872	0.010	93	2261	0.1600	0.0687	
23 Acetone	58	4.931	4.928	0.003	96	32242	0.4800	0.5988	
24 Pentane	72	4.990	4.995	-0.005	97	2063	0.1600	0.1622	
25 Isopropyl alcohol	45	5.033	5.029	0.004	92	77455	0.4800	0.5205	
26 Ethyl ether	31	5.184	5.176	0.008	93	19886	0.1600	0.1788	
27 1,1-Dichloroethene	96	5.449	5.447	0.002	95	17525	0.1600	0.1684	
28 Acrylonitrile	53	5.567	5.563	0.004	86	7253	0.1600	0.1059	
30 112TCTFE	101	5.616	5.617	-0.001	96	37203	0.1600	0.1740	
29 2-Methyl-2-propanol	59	5.627	5.600	0.027	97	33663	0.1600	0.1693	
31 Methylene Chloride	84	5.772	5.775	-0.003	96	15883	0.1600	0.1833	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.794	5.793	0.001	95	16271	0.1600	0.1740	
33 Carbon disulfide	76	5.923	5.925	-0.002	99	49103	0.1600	0.1718	
34 trans-1,2-Dichloroethene	96	6.549	6.551	-0.002	93	14682	0.1600	0.1619	
35 2-Methylpentane	43	6.570	6.572	-0.002	96	50218	0.1600	0.1810	
36 Methyl tert-butyl ether	73	6.721	6.709	0.012	95	45812	0.1600	0.1721	
37 1,1-Dichloroethane	63	6.948	6.954	-0.006	99	37779	0.1600	0.1704	
38 Vinyl acetate	43	7.083	7.077	0.006	100	37621	0.1600	0.1441	
40 Hexane	56	7.519	7.523	-0.004	76	17009	0.1600	0.1771	
39 2-Butanone (MEK)	72	7.525	7.518	0.007	83	8100	0.1600	0.1679	
41 Isopropyl ether	45	7.713	7.707	0.006	96	70721	0.1600	0.1732	
42 cis-1,2-Dichloroethene	96	7.908	7.910	-0.002	98	18009	0.1600	0.1713	
43 Ethyl acetate	43	8.134	8.125	0.009	99	44143	0.1600	0.1713	
44 Chloroform	83	8.237	8.246	-0.009	96	36152	0.1600	0.1695	
45 Tert-butyl ethyl ether	59	8.382	8.372	0.010	96	59934	0.1600	0.1678	
46 Tetrahydrofuran	42	8.690	8.674	0.016	95	25231	0.1600	0.1797	
47 1,1,1-Trichloroethane	97	9.250	9.254	-0.004	97	35691	0.1600	0.1645	
48 1,2-Dichloroethane	62	9.358	9.361	-0.003	96	25321	0.1600	0.1635	
51 Benzene	78	9.849	9.855	-0.006	97	54520	0.1600	0.1780	
50 Cyclohexane	69	9.860	9.855	0.005	70	8527	0.1600	0.1786	
52 Carbon tetrachloride	117	9.876	9.880	-0.004	97	34322	0.1600	0.1738	
49 n-Butanol	31	9.908	9.881	0.027	82	7947	0.1600	0.1790	
53 2,3-Dimethylpentane	71	9.994	9.997	-0.003	93	12619	0.1600	0.1766	
54 Thiophene	84	10.140	10.139	0.001	98	29595	0.1600	0.1618	
55 Isooctane	57	10.669	10.670	-0.002	98	102601	0.1600	0.1686	
56 n-Heptane	71	11.062	11.066	-0.004	93	18605	0.1600	0.1690	
57 1,2-Dichloropropane	63	11.121	11.128	-0.007	96	26380	0.1600	0.1754	
58 Trichloroethene	130	11.165	11.167	-0.002	94	21807	0.1600	0.1618	
59 Dibromomethane	93	11.245	11.249	-0.004	96	19861	0.1600	0.1638	
60 Dichlorobromomethane	83	11.402	11.403	-0.001	98	34633	0.1600	0.1612	
61 1,4-Dioxane	88	11.477	11.461	0.016	90	8154	0.1600	0.1747	
62 Methyl methacrylate	41	11.537	11.533	0.004	92	23067	0.1600	0.1532	
63 Methylcyclohexane	83	11.957	11.960	-0.003	92	33755	0.1600	0.1687	
64 4-Methyl-2-pentanone (MIBK)	43	12.421	12.416	0.005	98	44425	0.1600	0.1552	
65 cis-1,3-Dichloropropene	75	12.437	12.441	-0.004	97	25102	0.1600	0.1485	
66 trans-1,3-Dichloropropene	75	13.154	13.157	-0.003	98	21870	0.1600	0.1636	
67 Toluene	91	13.273	13.275	-0.002	92	63414	0.1600	0.1738	
68 1,1,2-Trichloroethane	83	13.349	13.352	-0.004	96	20318	0.1600	0.1756	
69 2-Hexanone	58	13.785	13.778	0.007	92	17906	0.1600	0.1371	
70 n-Octane	85	14.006	14.002	0.004	96	18139	0.1600	0.1681	
71 Chlorodibromomethane	129	14.055	14.058	-0.003	97	30489	0.1600	0.1569	
72 Ethylene Dibromide	107	14.351	14.353	-0.002	97	29333	0.1600	0.1594	
73 Tetrachloroethene	129	14.432	14.435	-0.003	96	22453	0.1600	0.1738	
74 Chlorobenzene	112	15.317	15.318	-0.001	93	45715	0.1600	0.1692	
75 2,3-Dimethylheptane	43	15.365	15.364	0.001	94	72482	0.1600	0.1807	
76 Ethylbenzene	91	15.613	15.618	-0.005	98	76811	0.1600	0.1670	
77 m-Xylene & p-Xylene	91	15.780	15.781	-0.001	97	120592	0.3200	0.3395	
79 Bromoform	173	16.217	16.217	0.000	95	26960	0.1600	0.1426	
78 n-Nonane	57	16.223	16.224	-0.001	93	47136	0.1600	0.1890	
80 Styrene	104	16.244	16.247	-0.003	99	37625	0.1600	0.1614	
81 o-Xylene	91	16.309	16.308	0.001	99	64029	0.1600	0.1795	
82 1,1,2,2-Tetrachloroethane	83	16.632	16.634	-0.002	99	48078	0.1600	0.1767	
83 1,2,3-Trichloropropane	110	16.789	16.794	-0.005	97	11415	0.1600	0.1718	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	16.897	16.900	-0.003	97	85497	0.1600	0.1791	
85 N-Propylbenzene	120	17.452	17.452	0.000	99	22830	0.1600	0.1706	
86 2-Chlorotoluene	126	17.490	17.490	0.000	97	21043	0.1600	0.1799	
87 4-Ethyltoluene	105	17.608	17.610	-0.002	99	82089	0.1600	0.1724	
88 1,3,5-Trimethylbenzene	120	17.689	17.690	-0.001	92	34962	0.1600	0.1755	
89 Alpha Methyl Styrene	118	17.927	17.928	-0.001	88	28620	0.1600	0.1533	
90 n-Decane	57	18.008	18.008	0.000	88	60850	0.1600	0.1857	
91 tert-Butylbenzene	119	18.126	18.126	0.000	91	76713	0.1600	0.1921	
92 1,2,4-Trimethylbenzene	105	18.142	18.143	-0.001	97	73052	0.1600	0.1819	
93 sec-Butylbenzene	105	18.407	18.407	0.000	99	109913	0.1600	0.1957	
94 1,3-Dichlorobenzene	146	18.412	18.413	-0.001	98	42536	0.1600	0.1728	
95 Benzyl chloride	91	18.493	18.492	0.001	97	38657	0.1600	0.1469	
96 1,4-Dichlorobenzene	146	18.504	18.504	0.000	93	40820	0.1600	0.1686	
97 4-Isopropyltoluene	119	18.579	18.577	0.002	96	82930	0.1600	0.1797	
98 1,2,3-Trimethylbenzene	105	18.622	18.624	-0.002	98	73255	0.1600	0.1726	
99 Butylcyclohexane	83	18.687	18.687	0.000	91	66035	0.1600	0.1916	
101 1,2-Dichlorobenzene	146	18.870	18.872	-0.002	88	45316	0.1600	0.1842	
100 2,3-Dihydroindene	117	18.870	18.872	-0.002	93	63968	0.1600	0.1863	
102 Indene	116	19.005	19.005	0.000	89	47963	0.1600	0.1722	
103 n-Butylbenzene	91	19.021	19.022	-0.001	96	78475	0.1600	0.1751	
104 Undecane	57	19.356	19.357	-0.001	95	64864	0.1600	0.1729	
105 1,2-Dibromo-3-Chloropropane	157	19.490	19.487	0.003	92	18727	0.1600	0.1614	
106 1,2,4,5-Tetramethylbenzene	119	19.792	19.792	0.000	96	78607	0.1600	0.1797	
107 Dodecane	57	20.418	20.418	0.000	94	53465	0.1600	0.1394	
108 1,2,4-Trichlorobenzene	180	20.585	20.587	-0.002	94	29113	0.1600	0.1627	
109 Naphthalene	128	20.720	20.719	0.001	98	65964	0.1600	0.1403	
110 Hexachlorobutadiene	225	20.941	20.942	-0.001	96	45826	0.1600	0.1899	
111 1,2,3-Trichlorobenzene	180	21.006	21.005	0.001	95	36040	0.1600	0.1774	
112 2-Methylnaphthalene	142	21.777	21.774	0.003	97	9126	0.1600	0.0792	
113 1-Methylnaphthalene	142	21.912	21.913	-0.001	98	24350	0.1600	0.1813	
A 116 C8 Range	1	13.991	(13.963-14.039)		0	203746	0.1600	0.1741	
S 117 Xylenes, Total	100				0		0.4800	0.5190	
S 118 1,2-Dichloroethene, Total	1				0		0.3200	0.3332	

QC Flag Legend

Processing Flags

Reagents:

40L4DQP_00024	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

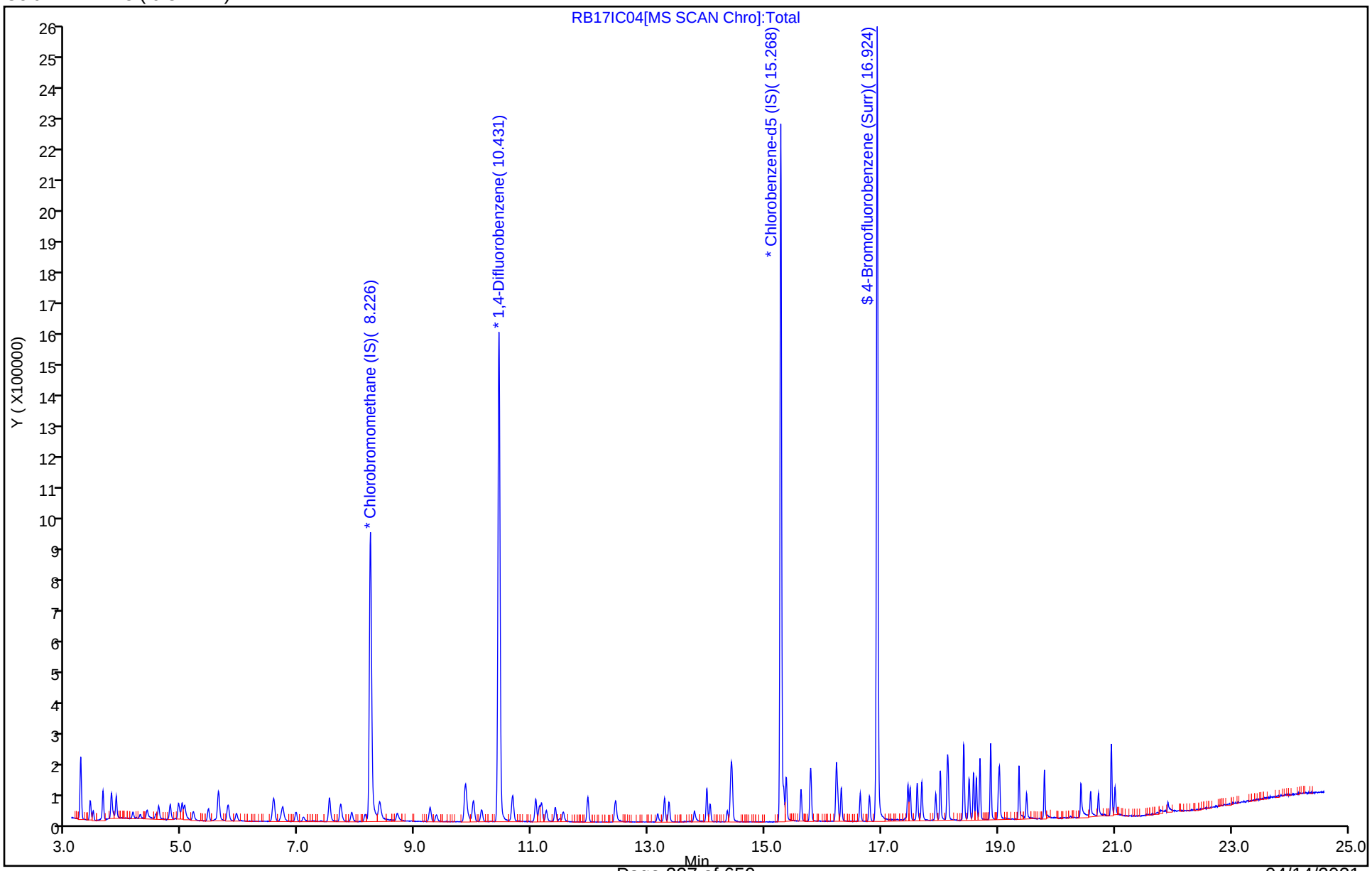
Report Date: 18-Feb-2021 15:50:41 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC04.D

Injection Date:	17-Feb-2021 18:34:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L4			Worklist Smp#:	12
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

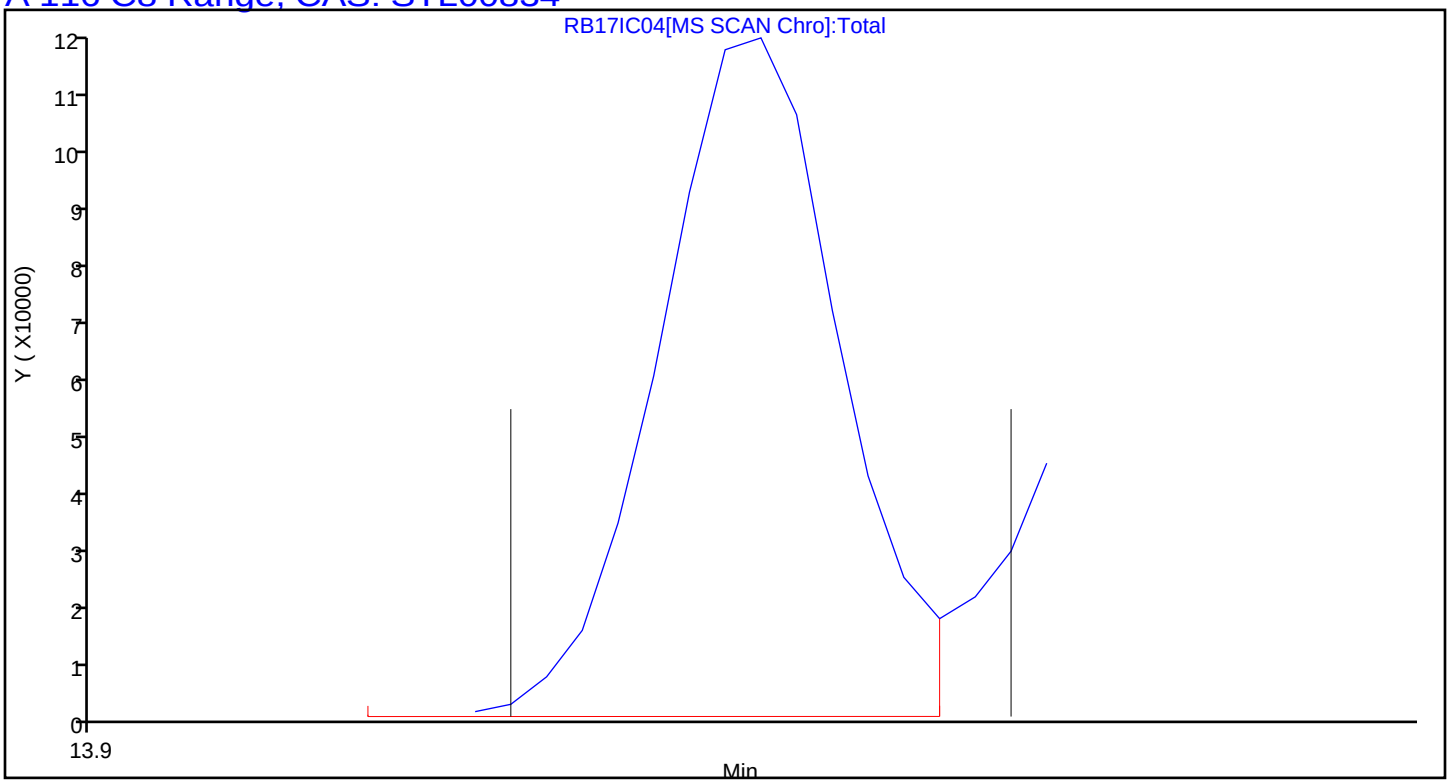


Report Date: 18-Feb-2021 15:50:42 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC04.D				
Injection Date:	17-Feb-2021 18:34:30	Instrument ID:	MR		
Lims ID:	IC L4				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	2	Worklist Smp#:	12
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC05.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Feb-2021 19:22:30 ALS Bottle#: 3 Worklist Smp#: 13
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018243-013
Misc. Info.: 355964
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Feb-2021 15:50:50 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: barlozhetskayaa Date: 18-Feb-2021 13:13:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.226	8.231	-0.005	96	305245	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.437	10.437	-0.001	96	1593346	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.268	15.269	-0.001	89	1318219	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.924	16.924	0.000	94	912620	4.64	4.75	
6 Chlorodifluoromethane	51	3.410	3.413	-0.003	96	90234	0.4000	0.4198	
7 Propene	41	3.426	3.423	0.003	99	42669	0.4000	0.4244	
8 Dichlorodifluoromethane	85	3.470	3.470	0.000	100	61418	0.4000	0.4322	
9 Chloromethane	52	3.631	3.631	0.000	73	17256	0.4000	0.4645	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.637	3.637	0.000	90	62320	0.4000	0.4358	
11 Acetaldehyde	44	3.777	3.777	0.000	95	92869	2.00	2.29	
12 Vinyl chloride	62	3.788	3.784	0.004	99	47997	0.4000	0.4246	
13 Butane	43	3.863	3.863	0.000	86	72083	0.4000	0.4495	
14 Butadiene	54	3.863	3.863	0.000	63	36779	0.4000	0.4144	
15 Bromomethane	94	4.149	4.149	0.000	98	37633	0.4000	0.4112	
16 Chloroethane	64	4.273	4.277	-0.004	97	18585	0.4000	0.4110	
17 Ethanol	31	4.381	4.392	-0.011	91	73355	2.00	2.13	
18 Vinyl bromide	106	4.548	4.547	0.001	98	33097	0.4000	0.4035	
19 2-Methylbutane	43	4.591	4.592	-0.001	92	45564	0.4000	0.4198	
20 Trichlorofluoromethane	101	4.785	4.790	-0.005	99	98786	0.4000	0.4081	
21 Acrolein	56	4.812	4.810	0.002	90	9906	0.4000	0.3387	
22 Acetonitrile	40	4.866	4.872	-0.006	98	12310	0.4000	0.3828	
23 Acetone	58	4.920	4.928	-0.008	97	71744	1.20	1.36	
24 Pentane	72	4.996	4.995	0.001	97	5242	0.4000	0.4221	
25 Isopropyl alcohol	45	5.023	5.029	-0.006	98	180729	1.20	1.24	
26 Ethyl ether	31	5.174	5.176	-0.002	94	48633	0.4000	0.4479	
27 1,1-Dichloroethene	96	5.443	5.447	-0.004	94	40972	0.4000	0.4033	
28 Acrylonitrile	53	5.556	5.563	-0.007	99	24589	0.4000	0.3678	
30 112TCTFE	101	5.616	5.617	-0.001	96	90148	0.4000	0.4318	
29 2-Methyl-2-propanol	59	5.610	5.600	0.010	91	81015	0.4000	0.4173	
31 Methylene Chloride	84	5.772	5.775	-0.003	96	38045	0.4000	0.4497	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.794	5.793	0.001	93	37762	0.4000	0.4135	
33 Carbon disulfide	76	5.923	5.925	-0.002	99	115239	0.4000	0.4129	
34 trans-1,2-Dichloroethene	96	6.549	6.551	-0.002	95	34968	0.4000	0.3949	
35 2-Methylpentane	43	6.570	6.572	-0.002	96	117102	0.4000	0.4324	
36 Methyl tert-butyl ether	73	6.700	6.709	-0.009	95	109879	0.4000	0.4228	
37 1,1-Dichloroethane	63	6.953	6.954	-0.001	99	91106	0.4000	0.4208	
38 Vinyl acetate	43	7.066	7.077	-0.011	100	96876	0.4000	0.3800	
40 Hexane	56	7.525	7.523	0.002	77	40048	0.4000	0.4271	
39 2-Butanone (MEK)	72	7.508	7.518	-0.010	86	19637	0.4000	0.4168	
41 Isopropyl ether	45	7.697	7.707	-0.010	97	168441	0.4000	0.4226	
42 cis-1,2-Dichloroethene	96	7.907	7.910	-0.003	97	40606	0.4000	0.3954	
43 Ethyl acetate	43	8.123	8.125	-0.002	99	102477	0.4000	0.4072	
44 Chloroform	83	8.242	8.246	-0.004	98	86524	0.4000	0.4154	
45 Tert-butyl ethyl ether	59	8.366	8.372	-0.006	97	146468	0.4000	0.4199	
46 Tetrahydrofuran	42	8.673	8.674	-0.001	93	55614	0.4000	0.4056	
47 1,1,1-Trichloroethane	97	9.250	9.254	-0.004	96	86494	0.4000	0.4083	
48 1,2-Dichloroethane	62	9.358	9.361	-0.003	96	60422	0.4000	0.3980	
51 Benzene	78	9.854	9.855	-0.001	97	128614	0.4000	0.4284	
50 Cyclohexane	69	9.854	9.855	-0.001	72	20435	0.4000	0.4366	
52 Carbon tetrachloride	117	9.881	9.880	0.001	97	73749	0.4000	0.3810	
49 n-Butanol	31	9.903	9.881	0.022	92	18704	0.4000	0.4297	
53 2,3-Dimethylpentane	71	9.994	9.997	-0.003	92	29850	0.4000	0.4263	
54 Thiophene	84	10.135	10.139	-0.004	98	74460	0.4000	0.4154	
55 Isooctane	57	10.668	10.670	-0.002	98	252857	0.4000	0.4239	
56 n-Heptane	71	11.067	11.066	0.001	94	44968	0.4000	0.4168	
57 1,2-Dichloropropane	63	11.127	11.128	-0.001	95	62062	0.4000	0.4211	
58 Trichloroethene	130	11.164	11.167	-0.003	94	51270	0.4000	0.3881	
59 Dibromomethane	93	11.245	11.249	-0.004	95	49274	0.4000	0.4147	
60 Dichlorobromomethane	83	11.402	11.403	-0.001	97	85180	0.4000	0.4044	
61 1,4-Dioxane	88	11.456	11.461	-0.005	91	18844	0.4000	0.4120	
62 Methyl methacrylate	41	11.531	11.533	-0.002	91	58552	0.4000	0.3967	
63 Methylcyclohexane	83	11.957	11.960	-0.003	93	82213	0.4000	0.4193	
64 4-Methyl-2-pentanone (MIBK)	43	12.416	12.416	0.000	97	116401	0.4000	0.4149	
65 cis-1,3-Dichloropropene	75	12.437	12.441	-0.004	98	65205	0.4000	0.3935	
66 trans-1,3-Dichloropropene	75	13.154	13.157	-0.003	98	49722	0.4000	0.3757	
67 Toluene	91	13.273	13.275	-0.002	92	152522	0.4000	0.4222	
68 1,1,2-Trichloroethane	83	13.354	13.352	0.002	96	49377	0.4000	0.4309	
69 2-Hexanone	58	13.780	13.778	0.002	92	49968	0.4000	0.3864	
70 n-Octane	85	14.001	14.002	-0.001	96	45124	0.4000	0.4223	
71 Chlorodibromomethane	129	14.060	14.058	0.002	98	75437	0.4000	0.3920	
72 Ethylene Dibromide	107	14.351	14.353	-0.002	98	73601	0.4000	0.4039	
73 Tetrachloroethene	129	14.432	14.435	-0.003	95	54176	0.4000	0.4234	
74 Chlorobenzene	112	15.317	15.318	-0.001	94	112148	0.4000	0.4192	
75 2,3-Dimethylheptane	43	15.365	15.364	0.001	94	177741	0.4000	0.4474	
76 Ethylbenzene	91	15.619	15.618	0.001	99	185940	0.4000	0.4082	
77 m-Xylene & p-Xylene	91	15.780	15.781	-0.001	97	285564	0.8000	0.8119	
79 Bromoform	173	16.217	16.217	0.000	95	65400	0.4000	0.3494	
78 n-Nonane	57	16.223	16.224	-0.001	94	115287	0.4000	0.4668	
80 Styrene	104	16.244	16.247	-0.003	98	92294	0.4000	0.3997	
81 o-Xylene	91	16.309	16.308	0.001	99	150520	0.4000	0.4261	
82 1,1,2,2-Tetrachloroethane	83	16.632	16.634	-0.002	99	114355	0.4000	0.4245	
83 1,2,3-Trichloropropane	110	16.794	16.794	0.000	97	26950	0.4000	0.4097	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	16.902	16.900	0.002	97	197732	0.4000	0.4184	
85 N-Propylbenzene	120	17.452	17.452	0.000	99	55299	0.4000	0.4173	
86 2-Chlorotoluene	126	17.490	17.490	0.000	97	48870	0.4000	0.4220	
87 4-Ethyltoluene	105	17.608	17.610	-0.002	99	187642	0.4000	0.3980	
88 1,3,5-Trimethylbenzene	120	17.689	17.690	-0.001	92	80946	0.4000	0.4104	
89 Alpha Methyl Styrene	118	17.927	17.928	-0.002	88	72295	0.4000	0.3912	
90 n-Decane	57	18.007	18.008	-0.001	88	147535	0.4000	0.4547	
91 tert-Butylbenzene	119	18.126	18.126	0.000	91	176410	0.4000	0.4460	
92 1,2,4-Trimethylbenzene	105	18.142	18.143	-0.001	96	172708	0.4000	0.4342	
93 sec-Butylbenzene	105	18.406	18.407	-0.001	99	250559	0.4000	0.4506	
94 1,3-Dichlorobenzene	146	18.412	18.413	-0.001	99	101617	0.4000	0.4169	
95 Benzyl chloride	91	18.493	18.492	0.001	97	97813	0.4000	0.3753	
96 1,4-Dichlorobenzene	146	18.503	18.504	-0.001	93	97607	0.4000	0.4072	
97 4-Isopropyltoluene	119	18.579	18.577	0.002	97	196139	0.4000	0.4291	
98 1,2,3-Trimethylbenzene	105	18.622	18.624	-0.002	99	169460	0.4000	0.4032	
99 Butylcyclohexane	83	18.687	18.687	0.000	92	150738	0.4000	0.4417	
101 1,2-Dichlorobenzene	146	18.870	18.872	-0.002	88	103036	0.4000	0.4231	
100 2,3-Dihydroindene	117	18.870	18.872	-0.002	93	146445	0.4000	0.4308	
102 Indene	116	19.005	19.005	0.000	88	114227	0.4000	0.4143	
103 n-Butylbenzene	91	19.021	19.022	-0.001	97	199775	0.4000	0.4503	
104 Undecane	57	19.355	19.357	-0.002	96	154594	0.4000	0.4161	
105 1,2-Dibromo-3-Chloropropane	157	19.485	19.487	-0.002	92	45298	0.4000	0.3942	
106 1,2,4,5-Tetramethylbenzene	119	19.792	19.792	0.000	96	189154	0.4000	0.4368	
107 Dodecane	57	20.418	20.418	0.000	94	158104	0.4000	0.4163	
108 1,2,4-Trichlorobenzene	180	20.585	20.587	-0.002	94	71788	0.4000	0.3747	
109 Naphthalene	128	20.720	20.719	0.001	99	158005	0.4000	0.3420	
110 Hexachlorobutadiene	225	20.941	20.942	-0.001	96	99969	0.4000	0.4184	
111 1,2,3-Trichlorobenzene	180	21.006	21.005	0.001	96	81883	0.4000	0.4071	
112 2-Methylnaphthalene	142	21.777	21.774	0.003	99	23107	0.4000	0.2026	
113 1-Methylnaphthalene	142	21.911	21.913	-0.002	100	50324	0.4000	0.3784	
A 116 C8 Range	1	14.012	(13.963-14.060)		0	488047	0.4000	0.4254	
S 117 Xylenes, Total	100				0		1.20	1.24	
S 118 1,2-Dichloroethene, Total	1				0		0.8000	0.7904	

QC Flag Legend

Processing Flags

Reagents:

40L5DQP_00024	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

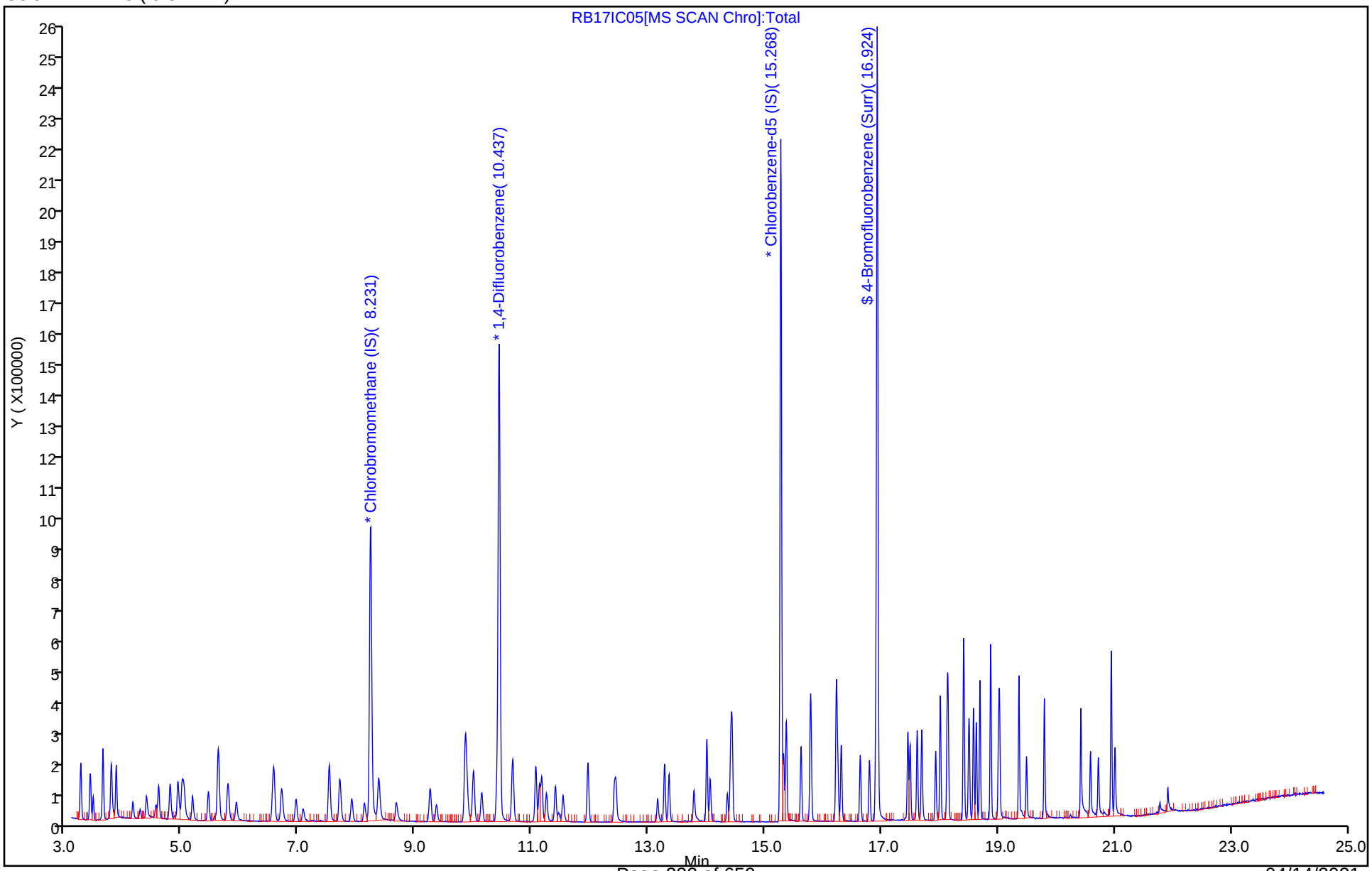
Report Date: 18-Feb-2021 15:50:51 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC05.D

Injection Date:	17-Feb-2021 19:22:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L5			Worklist Smp#:	13
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

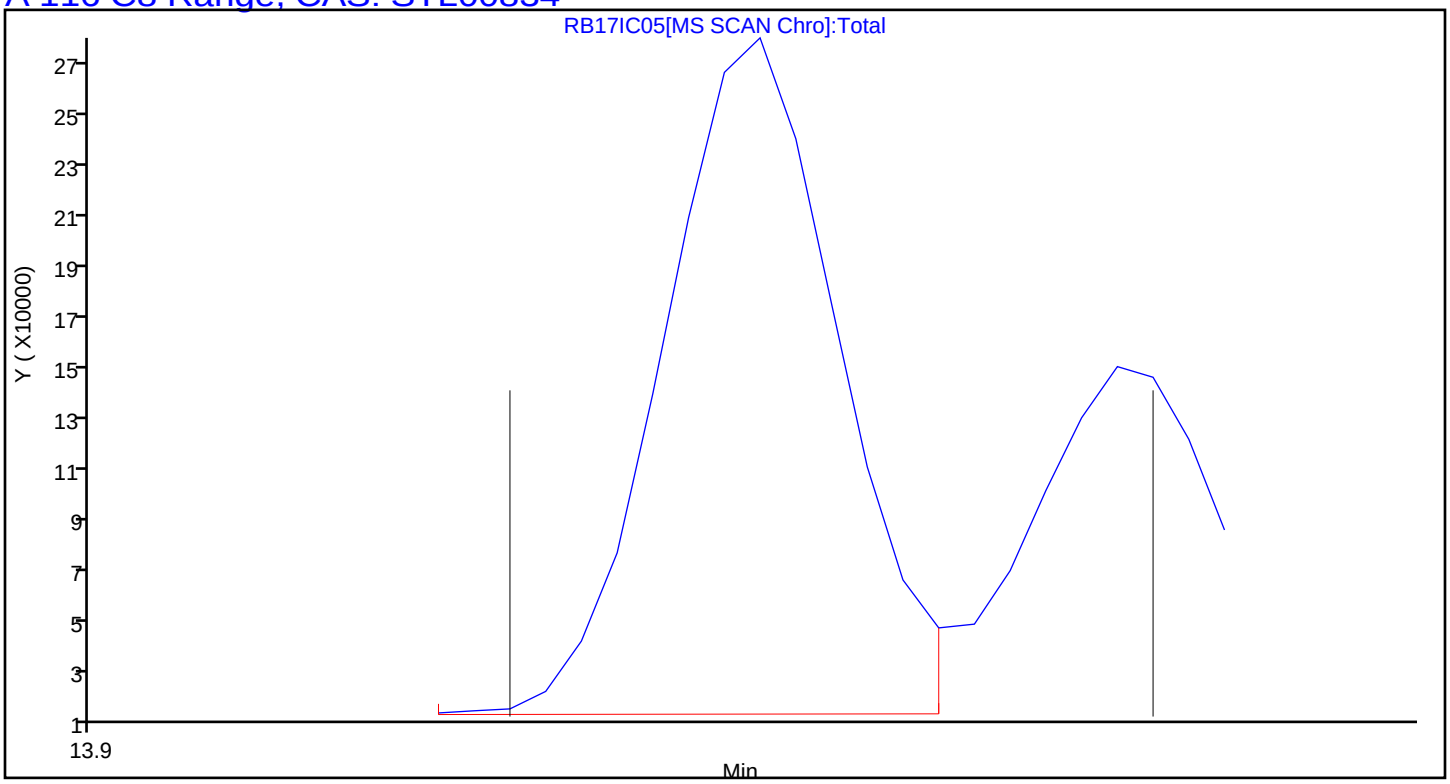


Report Date: 18-Feb-2021 15:50:51 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC05.D				
Injection Date:	17-Feb-2021 19:22:30	Instrument ID:	MR		
Lims ID:	IC L5				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	3	Worklist Smp#:	13
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC06.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 17-Feb-2021 20:11:30 ALS Bottle#: 4 Worklist Smp#: 14
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018243-014
Misc. Info.: 355963
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Feb-2021 15:51:01 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: tajh Date: 18-Feb-2021 11:08:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.231	8.231	0.000	96	311833	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.437	10.437	0.000	95	1616369	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.268	15.269	-0.001	89	1345548	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.924	16.924	0.000	93	943641	4.64	4.81	
6 Chlorodifluoromethane	51	3.410	3.413	-0.003	96	224149	1.00	1.02	
7 Propene	41	3.421	3.423	-0.002	99	106121	1.00	1.03	
8 Dichlorodifluoromethane	85	3.470	3.470	0.000	100	147113	1.00	1.01	
9 Chloromethane	52	3.632	3.631	0.001	99	40801	1.00	1.07	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.637	3.637	0.000	90	150281	1.00	1.03	
11 Acetaldehyde	44	3.772	3.777	-0.005	96	258709	5.00	6.24	
12 Vinyl chloride	62	3.783	3.784	-0.001	98	122952	1.00	1.06	
13 Butane	43	3.858	3.863	-0.005	86	175609	1.00	1.07	
14 Butadiene	54	3.863	3.863	0.000	67	93813	1.00	1.03	
15 Bromomethane	94	4.149	4.149	0.000	99	91275	1.00	0.9764	
16 Chloroethane	64	4.273	4.277	-0.004	98	45674	1.00	0.9886	
17 Ethanol	31	4.381	4.392	-0.011	91	183081	5.00	5.20	
18 Vinyl bromide	106	4.543	4.547	-0.004	99	86421	1.00	1.03	
19 2-Methylbutane	43	4.591	4.592	-0.001	92	118406	1.00	1.07	
20 Trichlorofluoromethane	101	4.786	4.790	-0.004	99	248775	1.00	1.01	
21 Acrolein	56	4.807	4.810	-0.003	89	30860	1.00	1.03	
22 Acetonitrile	40	4.866	4.872	-0.006	99	33534	1.00	1.02	
23 Acetone	58	4.915	4.928	-0.013	97	202504	3.00	3.77	
24 Pentane	72	4.996	4.995	0.001	95	13429	1.00	1.06	
25 Isopropyl alcohol	45	5.007	5.029	-0.022	93	464661	3.00	3.13	
26 Ethyl ether	31	5.163	5.176	-0.013	95	117461	1.00	1.06	
27 1,1-Dichloroethene	96	5.443	5.447	-0.004	94	102169	1.00	0.9844	
28 Acrylonitrile	53	5.551	5.563	-0.012	95	68109	1.00	1.00	
29 2-Methyl-2-propanol	59	5.584	5.600	-0.016	96	207007	1.00	1.04	
30 112TCTFE	101	5.616	5.617	-0.001	97	223346	1.00	1.05	
31 Methylene Chloride	84	5.772	5.775	-0.003	96	91598	1.00	1.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.788	5.793	-0.005	94	97360	1.00	1.04	
33 Carbon disulfide	76	5.923	5.925	-0.002	99	291294	1.00	1.02	
34 trans-1,2-Dichloroethene	96	6.549	6.551	-0.002	94	95489	1.00	1.06	
35 2-Methylpentane	43	6.570	6.572	-0.002	96	296759	1.00	1.07	
36 Methyl tert-butyl ether	73	6.689	6.709	-0.020	96	273919	1.00	1.03	
37 1,1-Dichloroethane	63	6.948	6.954	-0.006	99	225298	1.00	1.02	
38 Vinyl acetate	43	7.066	7.077	-0.011	100	256984	1.00	0.9867	
39 2-Butanone (MEK)	72	7.498	7.518	-0.020	96	52582	1.00	1.09	
40 Hexane	56	7.519	7.523	-0.004	84	99776	1.00	1.04	
41 Isopropyl ether	45	7.692	7.707	-0.015	97	433781	1.00	1.07	
42 cis-1,2-Dichloroethene	96	7.908	7.910	-0.002	98	104506	1.00	1.00	
43 Ethyl acetate	43	8.113	8.125	-0.012	99	267693	1.00	1.04	
44 Chloroform	83	8.247	8.246	0.001	97	215203	1.00	1.01	
45 Tert-butyl ethyl ether	59	8.355	8.372	-0.017	96	365954	1.00	1.03	
46 Tetrahydrofuran	42	8.652	8.674	-0.022	94	143313	1.00	1.02	
47 1,1,1-Trichloroethane	97	9.250	9.254	-0.004	97	218215	1.00	1.01	
48 1,2-Dichloroethane	62	9.358	9.361	-0.003	96	151818	1.00	0.9858	
50 Cyclohexane	69	9.854	9.855	-0.001	78	50864	1.00	1.07	
51 Benzene	78	9.854	9.855	-0.001	97	319655	1.00	1.05	
52 Carbon tetrachloride	117	9.876	9.880	-0.004	97	197295	1.00	1.00	
49 n-Butanol	31	9.876	9.881	-0.005	66	48372	1.00	1.10	
53 2,3-Dimethylpentane	71	9.995	9.997	-0.002	92	72648	1.00	1.02	
54 Thiophene	84	10.140	10.139	0.001	98	187811	1.00	1.03	
55 Isooctane	57	10.669	10.670	-0.001	98	627190	1.00	1.04	
56 n-Heptane	71	11.062	11.066	-0.004	93	111465	1.00	1.02	
57 1,2-Dichloropropane	63	11.127	11.128	-0.001	95	154835	1.00	1.04	
58 Trichloroethene	130	11.170	11.167	0.003	94	129984	1.00	0.9698	
59 Dibromomethane	93	11.251	11.249	0.002	97	120753	1.00	1.00	
60 Dichlorobromomethane	83	11.402	11.403	-0.001	98	217569	1.00	1.02	
61 1,4-Dioxane	88	11.440	11.461	-0.021	91	46855	1.00	1.01	
62 Methyl methacrylate	41	11.526	11.533	-0.007	91	155626	1.00	1.04	
63 Methylcyclohexane	83	11.963	11.960	0.003	93	199705	1.00	1.00	
64 4-Methyl-2-pentanone (MIBK)	43	12.405	12.416	-0.011	97	298984	1.00	1.05	
65 cis-1,3-Dichloropropene	75	12.437	12.441	-0.004	97	169432	1.00	1.01	
66 trans-1,3-Dichloropropene	75	13.154	13.157	-0.003	98	134292	1.00	0.99	
67 Toluene	91	13.273	13.275	-0.002	93	376676	1.00	1.02	
68 1,1,2-Trichloroethane	83	13.349	13.352	-0.003	96	122778	1.00	1.05	
69 2-Hexanone	58	13.769	13.778	-0.009	92	139554	1.00	1.06	
70 n-Octane	85	14.001	14.002	-0.001	96	114725	1.00	1.05	
71 Chlorodibromomethane	129	14.055	14.058	-0.003	97	203131	1.00	1.03	
72 Ethylene Dibromide	107	14.352	14.353	-0.001	98	187408	1.00	1.01	
73 Tetrachloroethene	129	14.432	14.435	-0.003	95	133641	1.00	1.02	
74 Chlorobenzene	112	15.317	15.318	-0.001	94	276471	1.00	1.01	
75 2,3-Dimethylheptane	43	15.360	15.364	-0.004	94	437099	1.00	1.08	
76 Ethylbenzene	91	15.613	15.618	-0.005	98	463529	1.00	1.00	
77 m-Xylene & p-Xylene	91	15.781	15.781	0.000	97	717060	2.00	2.00	
79 Bromoform	173	16.217	16.217	0.000	96	194996	1.00	1.02	
78 n-Nonane	57	16.223	16.224	-0.001	94	285462	1.00	1.13	
80 Styrene	104	16.244	16.247	-0.003	98	248994	1.00	1.06	
81 o-Xylene	91	16.304	16.308	-0.004	99	369542	1.00	1.02	
82 1,1,2,2-Tetrachloroethane	83	16.633	16.634	-0.001	99	282863	1.00	1.03	
83 1,2,3-Trichloropropane	110	16.794	16.794	0.000	97	66645	1.00	0.99	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	16.897	16.900	-0.003	97	491290	1.00	1.02	
85 N-Propylbenzene	120	17.452	17.452	0.000	99	135220	1.00	1.00	
86 2-Chlorotoluene	126	17.490	17.490	0.000	97	120433	1.00	1.02	
87 4-Ethyltoluene	105	17.609	17.610	-0.001	99	499387	1.00	1.04	
88 1,3,5-Trimethylbenzene	120	17.689	17.690	-0.001	92	198464	1.00	0.9859	
89 Alpha Methyl Styrene	118	17.927	17.928	-0.001	88	189079	1.00	1.00	
90 n-Decane	57	18.008	18.008	0.000	87	367558	1.00	1.11	
91 tert-Butylbenzene	119	18.126	18.126	0.000	90	419088	1.00	1.04	
92 1,2,4-Trimethylbenzene	105	18.142	18.143	-0.001	97	418991	1.00	1.03	
93 sec-Butylbenzene	105	18.407	18.407	0.000	99	600886	1.00	1.06	
94 1,3-Dichlorobenzene	146	18.412	18.413	-0.001	98	256124	1.00	1.03	
95 Benzyl chloride	91	18.488	18.492	-0.004	97	278787	1.00	1.05	
96 1,4-Dichlorobenzene	146	18.504	18.504	0.000	95	247043	1.00	1.01	
97 4-Isopropyltoluene	119	18.574	18.577	-0.003	97	480007	1.00	1.03	
98 1,2,3-Trimethylbenzene	105	18.622	18.624	-0.002	99	418750	1.00	0.9762	
99 Butylcyclohexane	83	18.687	18.687	0.000	92	361526	1.00	1.04	
101 1,2-Dichlorobenzene	146	18.870	18.872	-0.002	93	250378	1.00	1.01	
100 2,3-Dihydroindene	117	18.870	18.872	-0.002	94	362188	1.00	1.04	
102 Indene	116	19.005	19.005	0.000	89	291467	1.00	1.04	
103 n-Butylbenzene	91	19.021	19.022	-0.001	97	505437	1.00	1.12	
104 Undecane	57	19.356	19.357	-0.001	95	429476	1.00	1.13	
105 1,2-Dibromo-3-Chloropropane	157	19.485	19.487	-0.002	94	132084	1.00	1.13	
106 1,2,4,5-Tetramethylbenzene	119	19.792	19.792	0.000	97	501005	1.00	1.13	
107 Dodecane	57	20.418	20.418	0.000	95	445313	1.00	1.15	
108 1,2,4-Trichlorobenzene	180	20.585	20.587	-0.002	95	213246	1.00	1.05	
109 Naphthalene	128	20.720	20.719	0.001	99	488348	1.00	1.06	
110 Hexachlorobutadiene	225	20.941	20.942	-0.001	96	255739	1.00	1.05	
111 1,2,3-Trichlorobenzene	180	21.006	21.005	0.001	95	236089	1.00	1.15	
112 2-Methylnaphthalene	142	21.771	21.774	-0.003	100	94833	1.00	0.8144	
113 1-Methylnaphthalene	142	21.912	21.913	-0.001	100	143360	1.00	1.06	
A 116 C8 Range	1	14.017	(13.953-14.071)		0	1248069	1.00	1.07	
S 117 Xylenes, Total	100				0		3.00	3.02	
S 118 1,2-Dichloroethene, Total	1				0		2.00	2.05	

QC Flag Legend

Processing Flags

Reagents:

40L6DQP_00023	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

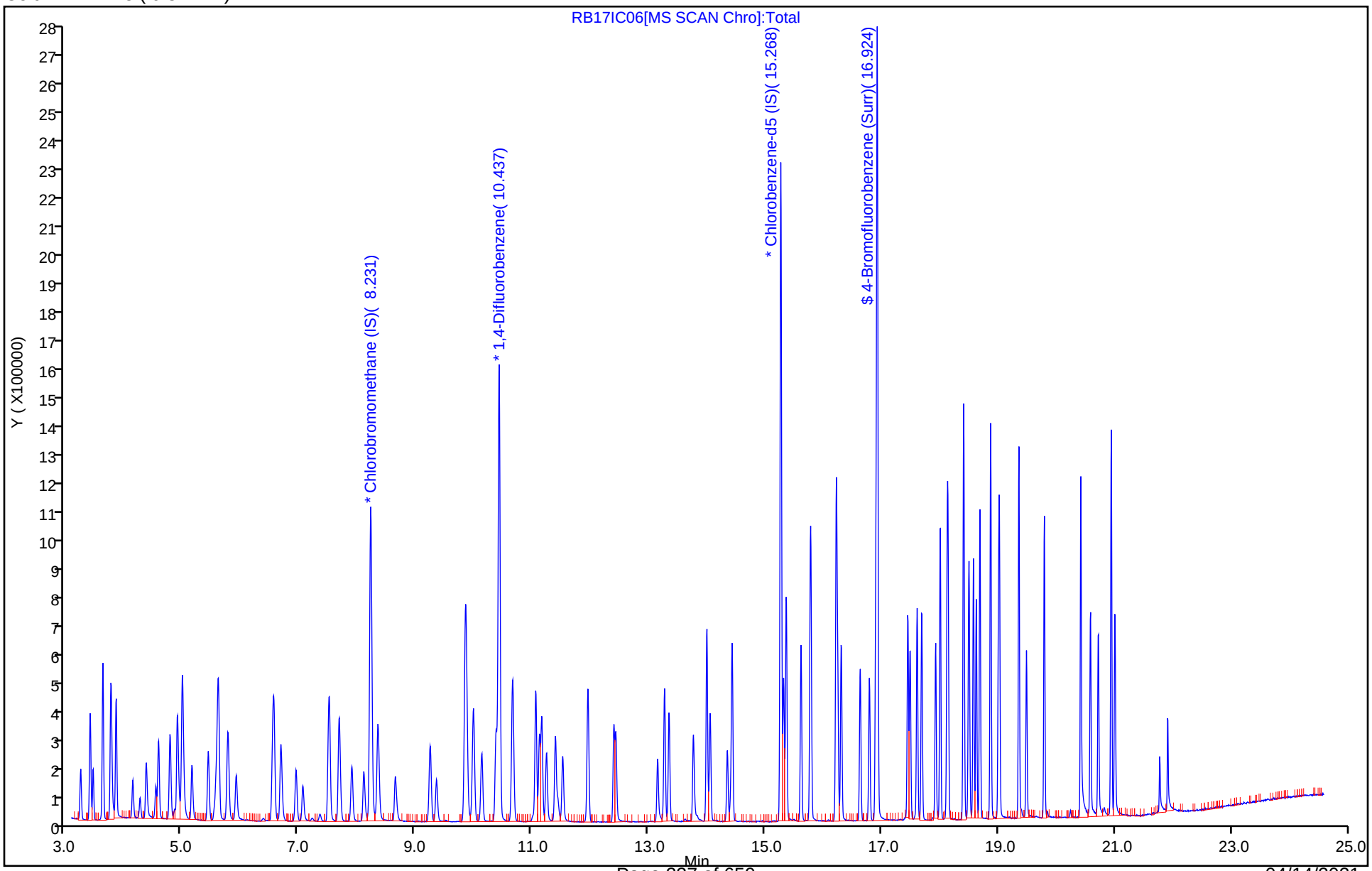
Report Date: 18-Feb-2021 15:51:03 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC06.D

Injection Date:	17-Feb-2021 20:11:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L6			Worklist Smp#:	14
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

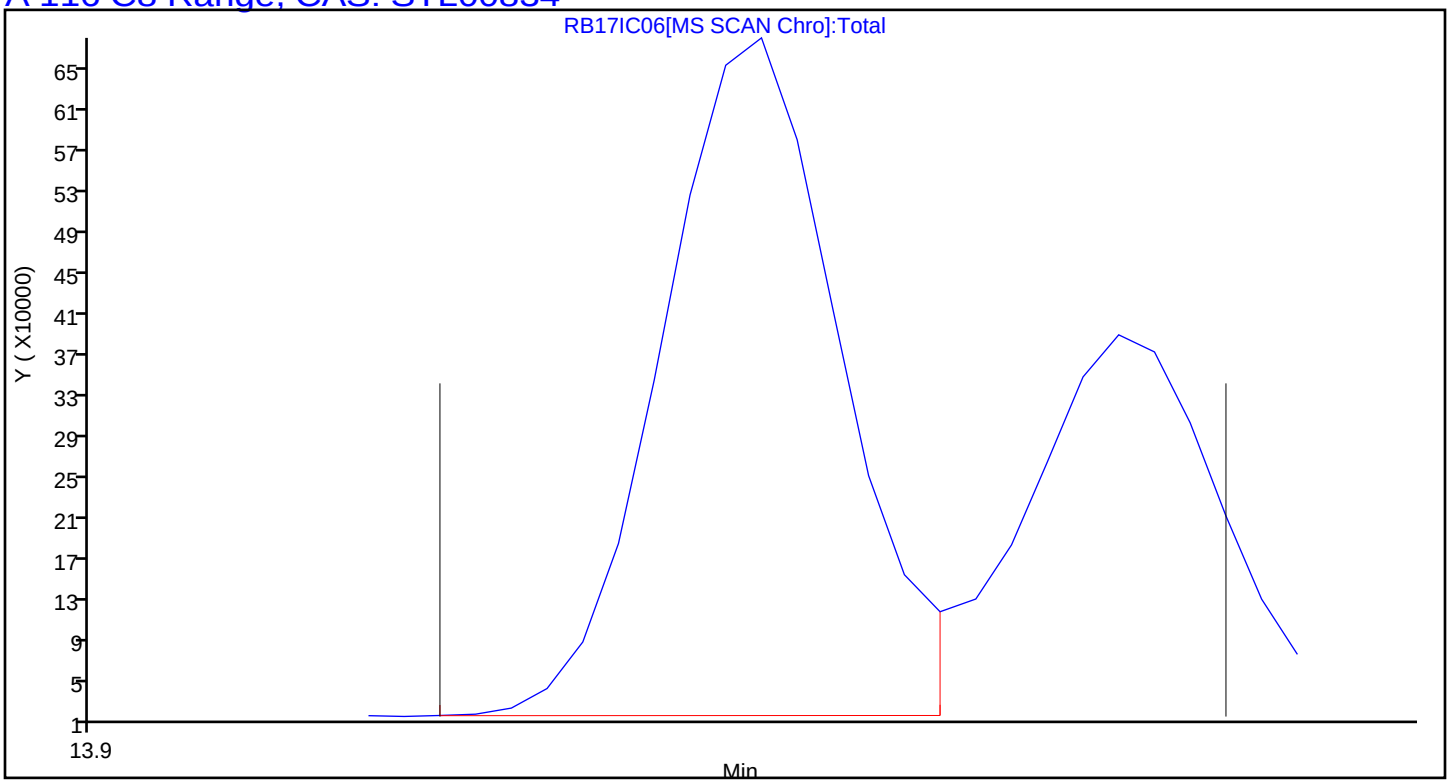


Report Date: 18-Feb-2021 15:51:03 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC06.D				
Injection Date:	17-Feb-2021 20:11:30	Instrument ID:	MR		
Lims ID:	IC L6				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	4	Worklist Smp#:	14
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D
Lims ID: ICIS L7
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 17-Feb-2021 20:59:30 ALS Bottle#: 5 Worklist Smp#: 15
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018243-015
Misc. Info.: 355834
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Feb-2021 15:51:12 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: tajh Date: 18-Feb-2021 07:22:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.231	8.231	0.000	96	317348	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.437	10.437	0.000	95	1599046	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.268	15.269	-0.001	89	1369524	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.924	16.924	0.000	94	948587	4.64	4.75	
6 Chlorodifluoromethane	51	3.410	3.413	-0.003	96	456000	2.00	2.04	
7 Propene	41	3.421	3.423	-0.002	99	210681	2.00	2.02	
8 Dichlorodifluoromethane	85	3.470	3.470	0.000	100	310641	2.00	2.10	
9 Chloromethane	52	3.631	3.631	0.000	99	80459	2.00	2.08	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.637	3.637	0.000	90	309819	2.00	2.08	
11 Acetaldehyde	44	3.766	3.777	-0.011	96	440480	10.0	10.4	
12 Vinyl chloride	62	3.782	3.784	-0.002	98	246196	2.00	2.10	
13 Butane	43	3.863	3.863	0.000	86	345263	2.00	2.07	
14 Butadiene	54	3.863	3.863	0.000	67	192270	2.00	2.08	
15 Bromomethane	94	4.149	4.149	0.000	99	191248	2.00	2.01	
16 Chloroethane	64	4.273	4.277	-0.004	98	93059	2.00	1.98	
17 Ethanol	31	4.381	4.392	-0.011	90	384325	10.0	10.7	
18 Vinyl bromide	106	4.543	4.547	-0.004	98	179595	2.00	2.11	
19 2-Methylbutane	43	4.591	4.592	-0.001	91	235226	2.00	2.08	
20 Trichlorofluoromethane	101	4.785	4.790	-0.005	99	530190	2.00	2.11	
21 Acrolein	56	4.802	4.810	-0.008	89	63649	2.00	2.09	
22 Acetonitrile	40	4.866	4.872	-0.006	98	69234	2.00	2.07	
23 Acetone	58	4.909	4.928	-0.019	97	331332	6.00	6.06	
24 Pentane	72	4.990	4.995	-0.005	95	28474	2.00	2.21	
25 Isopropyl alcohol	45	5.007	5.029	-0.022	96	966518	6.00	6.40	
26 Ethyl ether	31	5.158	5.176	-0.018	96	223554	2.00	1.98	
27 1,1-Dichloroethene	96	5.443	5.447	-0.004	94	203092	2.00	1.92	
28 Acrylonitrile	53	5.557	5.563	-0.006	94	138352	2.00	1.99	
29 2-Methyl-2-propanol	59	5.573	5.600	-0.027	94	424855	2.00	2.10	
30 112TCTFE	101	5.616	5.617	-0.001	97	433809	2.00	2.00	
31 Methylene Chloride	84	5.772	5.775	-0.003	96	183008	2.00	2.08	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.788	5.793	-0.005	93	192582	2.00	2.03	
33 Carbon disulfide	76	5.923	5.925	-0.002	99	576444	2.00	1.99	
34 trans-1,2-Dichloroethene	96	6.549	6.551	-0.002	95	187525	2.00	2.04	
35 2-Methylpentane	43	6.570	6.572	-0.002	96	572942	2.00	2.03	
36 Methyl tert-butyl ether	73	6.689	6.709	-0.020	96	541673	2.00	2.00	
37 1,1-Dichloroethane	63	6.953	6.954	-0.001	99	441202	2.00	1.96	
38 Vinyl acetate	43	7.066	7.077	-0.011	100	546354	2.00	2.06	
39 2-Butanone (MEK)	72	7.498	7.518	-0.020	96	97495	2.00	1.99	
40 Hexane	56	7.525	7.523	0.002	90	194905	2.00	2.00	
41 Isopropyl ether	45	7.687	7.707	-0.020	98	840277	2.00	2.03	
42 cis-1,2-Dichloroethene	96	7.913	7.910	0.003	98	207950	2.00	1.95	
43 Ethyl acetate	43	8.113	8.125	-0.012	99	532480	2.00	2.03	
44 Chloroform	83	8.247	8.246	0.001	97	428668	2.00	1.98	
45 Tert-butyl ethyl ether	59	8.350	8.372	-0.022	96	727070	2.00	2.00	
46 Tetrahydrofuran	42	8.646	8.674	-0.028	95	279846	2.00	1.96	
47 1,1,1-Trichloroethane	97	9.256	9.254	0.002	97	435136	2.00	1.98	
48 1,2-Dichloroethane	62	9.364	9.361	0.003	96	308224	2.00	2.02	
50 Cyclohexane	69	9.860	9.855	0.005	83	97354	2.00	2.07	
51 Benzene	78	9.854	9.855	-0.001	97	613951	2.00	2.04	
49 n-Butanol	31	9.865	9.881	-0.016	65	92821	2.00	2.12	
52 Carbon tetrachloride	117	9.881	9.880	0.001	96	423571	2.00	2.18	
53 2,3-Dimethylpentane	71	9.994	9.997	-0.003	92	144107	2.00	2.05	
54 Thiophene	84	10.140	10.139	0.001	99	363578	2.00	2.02	
55 Isooctane	57	10.669	10.670	-0.002	98	1217985	2.00	2.03	
56 n-Heptane	71	11.068	11.066	0.002	93	218455	2.00	2.02	
57 1,2-Dichloropropane	63	11.132	11.128	0.004	95	295685	2.00	2.00	
58 Trichloroethene	130	11.170	11.167	0.003	94	253081	2.00	1.91	
59 Dibromomethane	93	11.251	11.249	0.002	97	244888	2.00	2.05	
60 Dichlorobromomethane	83	11.402	11.403	-0.001	98	431103	2.00	2.04	
61 1,4-Dioxane	88	11.434	11.461	-0.027	91	95958	2.00	2.09	
62 Methyl methacrylate	41	11.526	11.533	-0.007	91	308880	2.00	2.09	
63 Methylcyclohexane	83	11.963	11.960	0.003	93	392659	2.00	2.00	
64 4-Methyl-2-pentanone (MIBK)	43	12.399	12.416	-0.017	98	594254	2.00	2.11	
65 cis-1,3-Dichloropropene	75	12.443	12.441	0.002	95	347002	2.00	2.09	
66 trans-1,3-Dichloropropene	75	13.160	13.157	0.003	99	287788	2.00	2.09	
67 Toluene	91	13.273	13.275	-0.002	93	752824	2.00	2.01	
68 1,1,2-Trichloroethane	83	13.354	13.352	0.002	96	242124	2.00	2.03	
69 2-Hexanone	58	13.764	13.778	-0.014	92	288166	2.00	2.15	
70 n-Octane	85	14.001	14.002	-0.001	96	225223	2.00	2.03	
71 Chlorodibromomethane	129	14.060	14.058	0.002	98	421874	2.00	2.11	
72 Ethylene Dibromide	107	14.352	14.353	-0.001	99	389505	2.00	2.06	
73 Tetrachloroethene	129	14.438	14.435	0.003	95	261123	2.00	1.96	
74 Chlorobenzene	112	15.322	15.318	0.004	93	558383	2.00	2.01	
75 2,3-Dimethylheptane	43	15.365	15.364	0.001	94	853618	2.00	2.07	
76 Ethylbenzene	91	15.619	15.618	0.001	98	927719	2.00	1.96	
77 m-Xylene & p-Xylene	91	15.780	15.781	-0.001	97	1450881	4.00	3.97	
79 Bromoform	173	16.217	16.217	0.000	97	431146	2.00	2.22	
78 n-Nonane	57	16.223	16.224	-0.001	94	555382	2.00	2.16	
80 Styrene	104	16.250	16.247	0.003	99	515844	2.00	2.15	
81 o-Xylene	91	16.309	16.308	0.001	99	753662	2.00	2.05	
82 1,1,2,2-Tetrachloroethane	83	16.632	16.634	-0.002	99	569513	2.00	2.03	
83 1,2,3-Trichloropropane	110	16.794	16.794	0.000	97	137346	2.00	2.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	16.902	16.900	0.002	96	1001399	2.00	2.04	
85 N-Propylbenzene	120	17.452	17.452	0.000	99	280119	2.00	2.03	
86 2-Chlorotoluene	126	17.490	17.490	0.000	97	245517	2.00	2.04	
87 4-Ethyltoluene	105	17.608	17.610	-0.002	99	998882	2.00	2.04	
88 1,3,5-Trimethylbenzene	120	17.689	17.690	-0.001	92	399668	2.00	1.95	
89 Alpha Methyl Styrene	118	17.927	17.928	-0.001	89	406065	2.00	2.11	
90 n-Decane	57	18.008	18.008	0.000	88	721794	2.00	2.14	
91 tert-Butylbenzene	119	18.126	18.126	0.000	90	833709	2.00	2.03	
92 1,2,4-Trimethylbenzene	105	18.142	18.143	-0.001	97	824276	2.00	1.99	
93 sec-Butylbenzene	105	18.407	18.407	0.000	99	1175986	2.00	2.04	
94 1,3-Dichlorobenzene	146	18.412	18.413	-0.001	98	522466	2.00	2.06	
95 Benzyl chloride	91	18.493	18.492	0.001	98	575625	2.00	2.13	
96 1,4-Dichlorobenzene	146	18.504	18.504	0.000	94	509290	2.00	2.05	
97 4-Isopropyltoluene	119	18.574	18.577	-0.003	97	936477	2.00	1.97	
98 1,2,3-Trimethylbenzene	105	18.622	18.624	-0.002	99	824032	2.00	1.89	
99 Butylcyclohexane	83	18.687	18.687	0.000	92	697417	2.00	1.97	
101 1,2-Dichlorobenzene	146	18.870	18.872	-0.002	93	493058	2.00	1.95	
100 2,3-Dihydroindene	117	18.870	18.872	-0.002	93	692613	2.00	1.96	
102 Indene	116	19.005	19.005	0.000	94	583236	2.00	2.04	
103 n-Butylbenzene	91	19.021	19.022	-0.001	97	955054	2.00	2.07	
104 Undecane	57	19.356	19.357	-0.001	95	840406	2.00	2.18	
105 1,2-Dibromo-3-Chloropropane	157	19.485	19.487	-0.002	96	261565	2.00	2.19	
106 1,2,4,5-Tetramethylbenzene	119	19.792	19.792	0.000	96	947233	2.00	2.11	
107 Dodecane	57	20.418	20.418	0.000	95	843178	2.00	2.14	
108 1,2,4-Trichlorobenzene	180	20.585	20.587	-0.002	94	445199	2.00	2.14	
109 Naphthalene	128	20.720	20.719	0.001	99	898938	2.00	2.00	
110 Hexachlorobutadiene	225	20.941	20.942	-0.001	95	487763	2.00	1.97	
111 1,2,3-Trichlorobenzene	180	21.006	21.005	0.001	96	443990	2.00	2.12	
112 2-Methylnaphthalene	142	21.771	21.774	-0.003	100	208864	2.00	1.76	
113 1-Methylnaphthalene	142	21.912	21.913	-0.001	100	306096	2.00	2.22	
A 116 C8 Range	1	13.990	(13.952-14.050)		0	2377215	2.00	2.06	
S 117 Xylenes, Total	100				0		6.00	6.02	
S 118 1,2-Dichloroethene, Total	1				0		4.00	3.99	

QC Flag Legend

Processing Flags

Reagents:

40L7DQP_00023	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

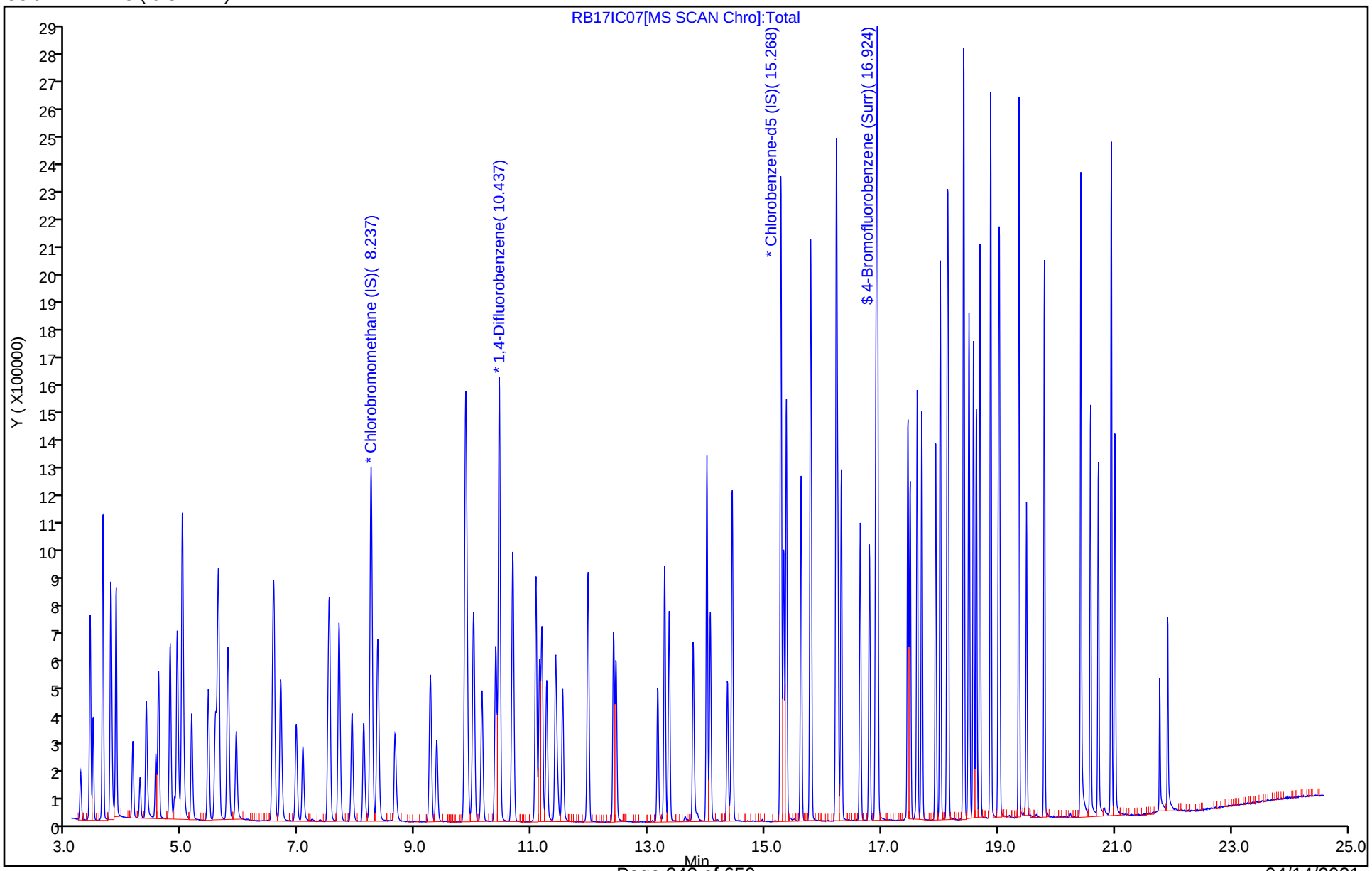
Report Date: 18-Feb-2021 15:51:14 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Injection Date:	17-Feb-2021 20:59:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	ICIS L7			Worklist Smp#:	15
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

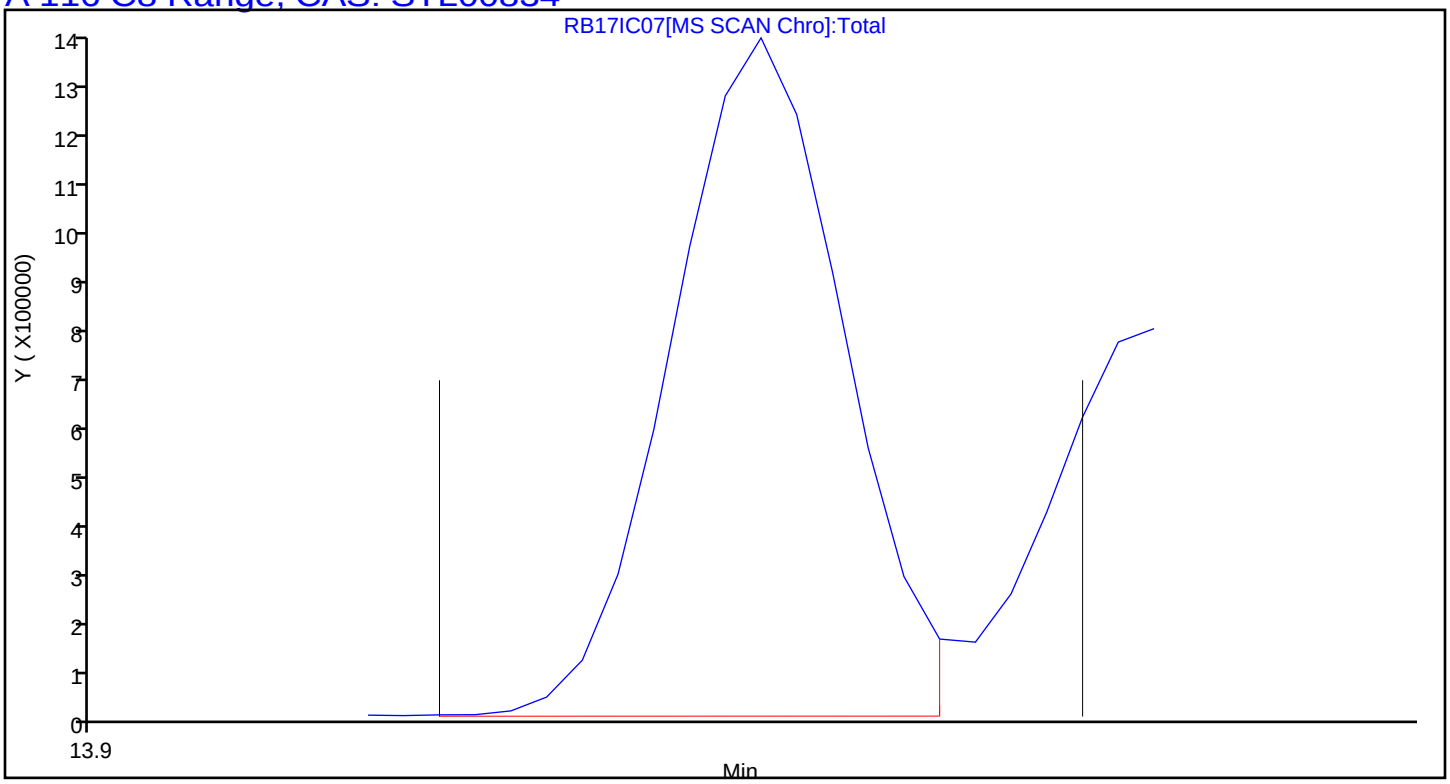


Report Date: 18-Feb-2021 15:51:14 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D				
Injection Date:	17-Feb-2021 20:59:30	Instrument ID:	MR		
Lims ID:	ICIS L7				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	5	Worklist Smp#:	15
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



Calibration / Chlorodifluoromethane

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

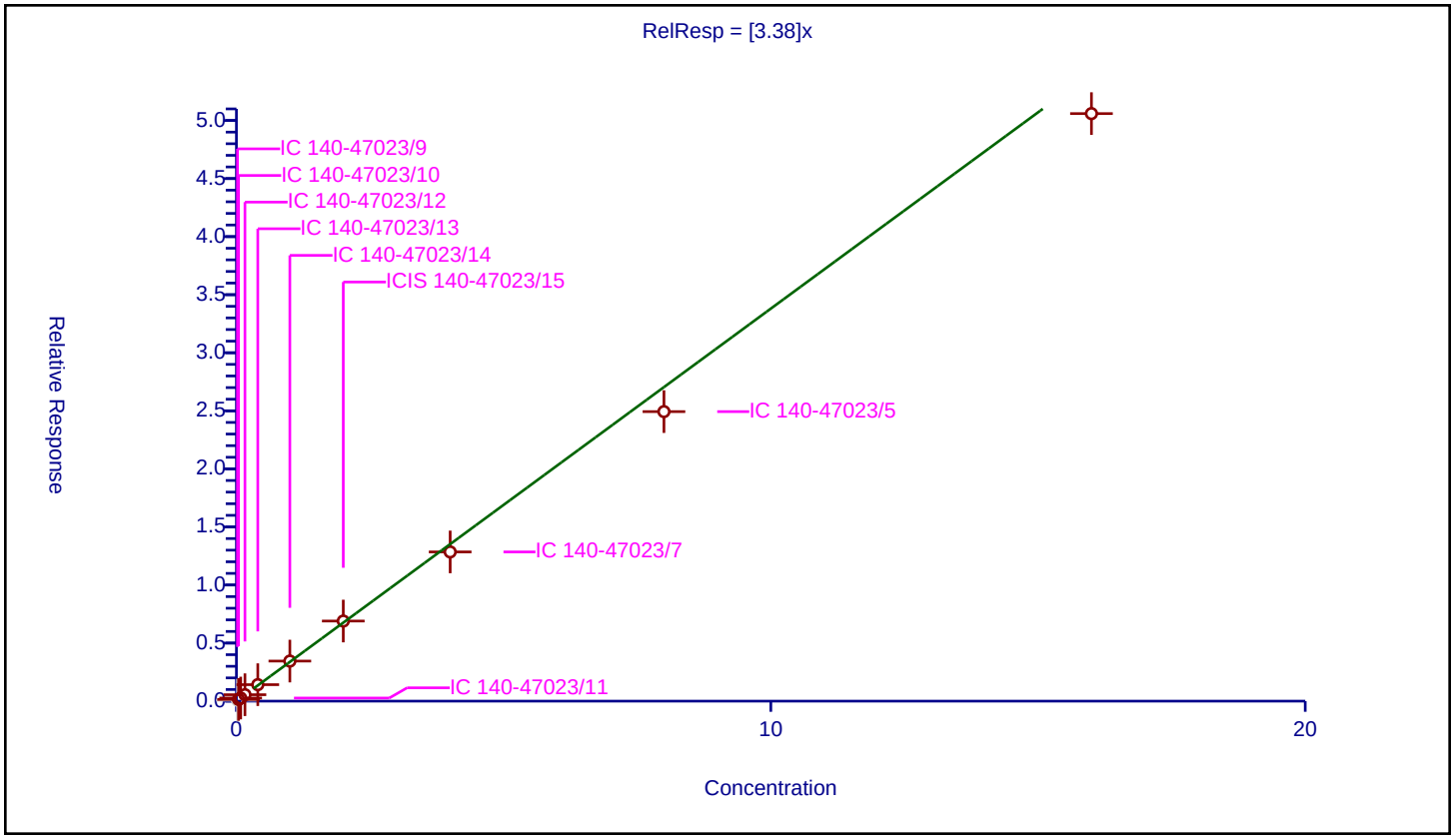
Curve Coefficients

Intercept:	0
Slope:	3.38

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	5.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.083773	4.8	322758.0	4.188649	N
2	IC 140-47023/10	0.04	0.147572	4.8	318369.0	3.689304	Y
3	IC 140-47023/11	0.08	0.266886	4.8	312475.0	3.336075	Y
4	IC 140-47023/12	0.16	0.553127	4.8	312605.0	3.457046	Y
5	IC 140-47023/13	0.4	1.418936	4.8	305245.0	3.547341	Y
6	IC 140-47023/14	1.0	3.450293	4.8	311833.0	3.450293	Y
7	ICIS 140-47023/15	2.0	6.89716	4.8	317348.0	3.44858	Y
8	IC 140-47023/7	4.0	12.849865	4.8	322730.0	3.212466	Y
9	IC 140-47023/5	8.0	24.932149	4.8	323701.0	3.116519	Y
10	IC 140-47023/3	16.0	50.59335	4.8	285381.0	3.162084	Y



Calibration / Propene

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

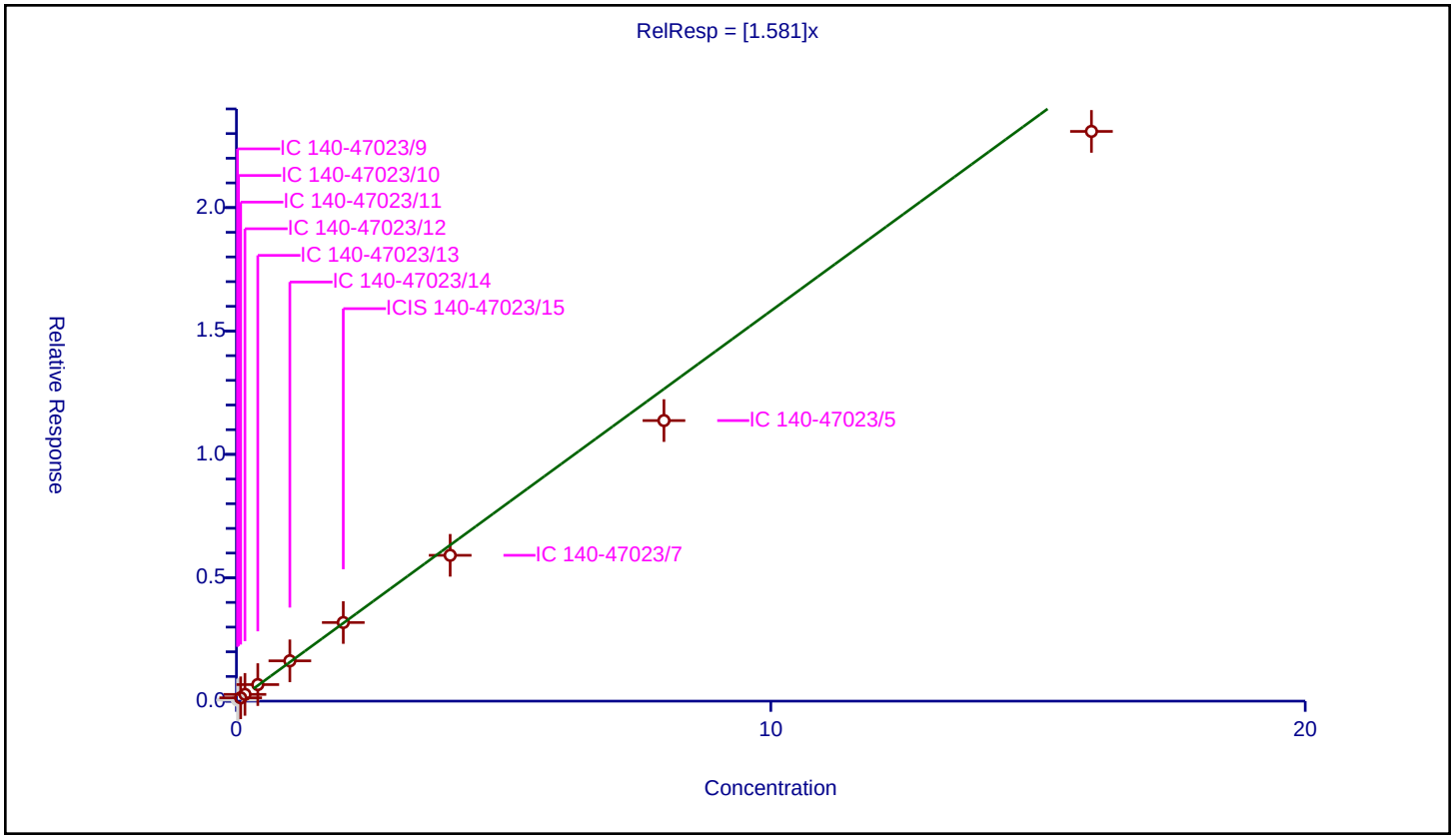
Curve Coefficients

Intercept:	0
Slope:	1.581

Error Coefficients

Standard Error:	620000
Relative Standard Error:	7.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.042519	4.8	322758.0	2.125927	N
2	IC 140-47023/10	0.04	0.076198	4.8	318369.0	1.904959	N
3	IC 140-47023/11	0.08	0.135701	4.8	312475.0	1.696264	Y
4	IC 140-47023/12	0.16	0.273086	4.8	312605.0	1.706787	Y
5	IC 140-47023/13	0.4	0.670973	4.8	305245.0	1.677433	Y
6	IC 140-47023/14	1.0	1.633505	4.8	311833.0	1.633505	Y
7	ICIS 140-47023/15	2.0	3.186624	4.8	317348.0	1.593312	Y
8	IC 140-47023/7	4.0	5.909356	4.8	322730.0	1.477339	Y
9	IC 140-47023/5	8.0	11.369648	4.8	323701.0	1.421206	Y
10	IC 140-47023/3	16.0	23.088393	4.8	285381.0	1.443025	Y



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

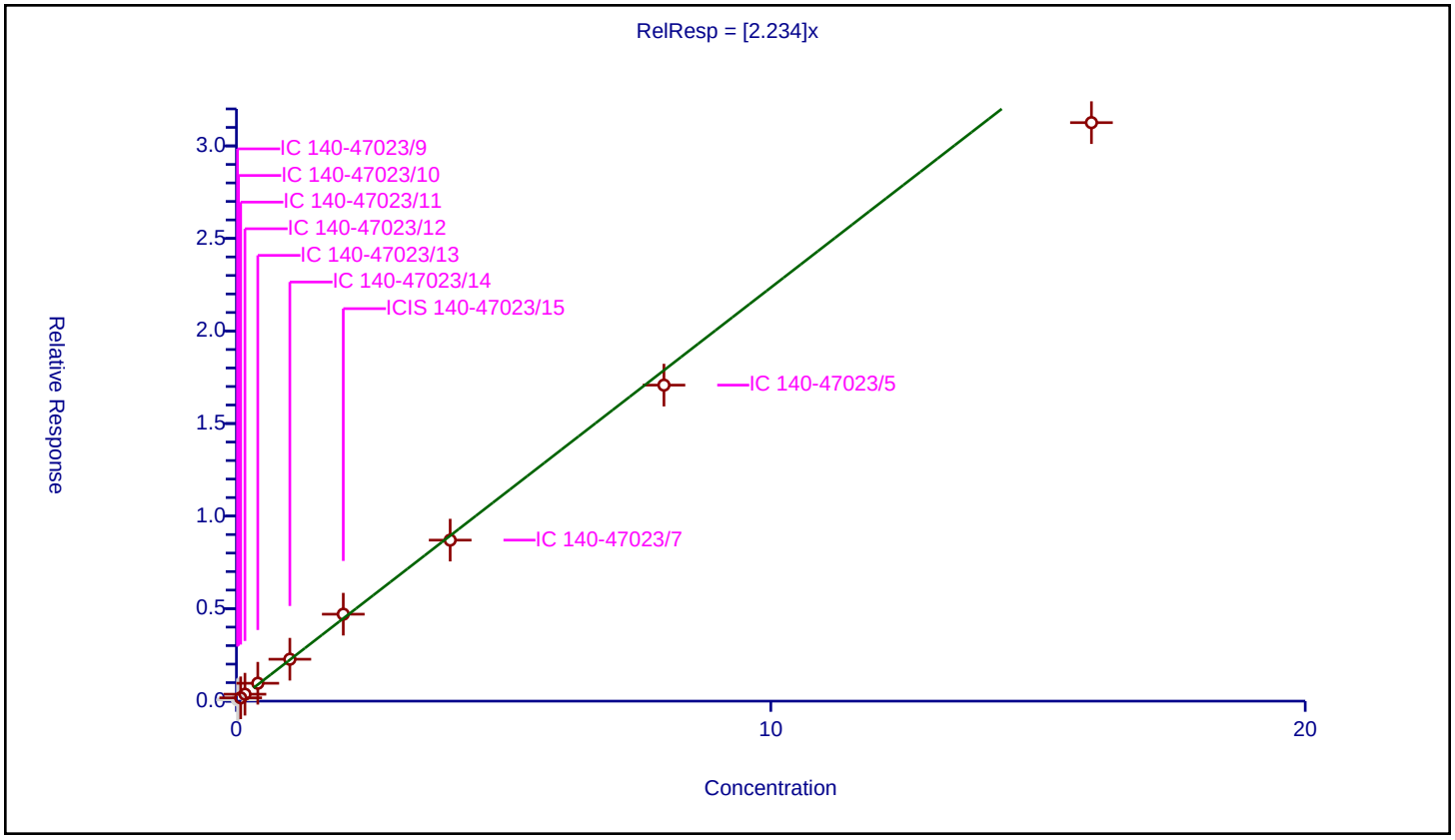
Curve Coefficients

Intercept:	0
Slope:	2.234

Error Coefficients

Standard Error:	866000
Relative Standard Error:	6.6
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.068633	4.8	322758.0	3.431673	N
2	IC 140-47023/10	0.04	0.114961	4.8	318369.0	2.874024	N
3	IC 140-47023/11	0.08	0.179342	4.8	312475.0	2.241779	Y
4	IC 140-47023/12	0.16	0.374842	4.8	312605.0	2.342765	Y
5	IC 140-47023/13	0.4	0.965803	4.8	305245.0	2.414506	Y
6	IC 140-47023/14	1.0	2.264489	4.8	311833.0	2.264489	Y
7	ICIS 140-47023/15	2.0	4.698554	4.8	317348.0	2.349277	Y
8	IC 140-47023/7	4.0	8.699849	4.8	322730.0	2.174962	Y
9	IC 140-47023/5	8.0	17.07521	4.8	323701.0	2.134401	Y
10	IC 140-47023/3	16.0	31.25738	4.8	285381.0	1.953586	Y



Calibration / Chloromethane

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

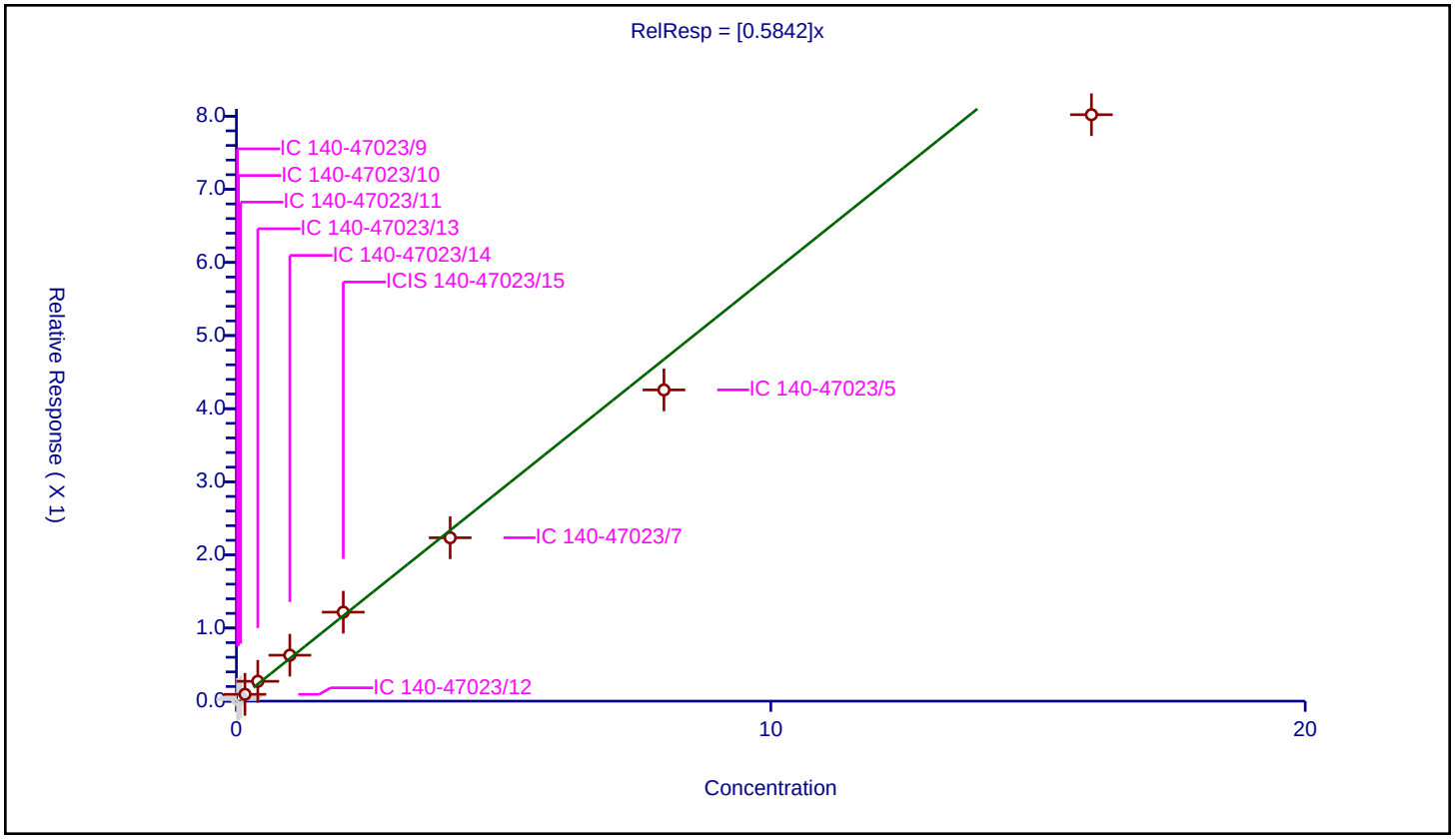
Curve Coefficients

Intercept:	0
Slope:	0.5842

Error Coefficients

Standard Error:	238000
Relative Standard Error:	10.3
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.022263	4.8	322758.0	1.113156	N
2	IC 140-47023/10	0.04	0.028103	4.8	318369.0	0.702581	N
3	IC 140-47023/11	0.08	0.055961	4.8	312475.0	0.699512	N
4	IC 140-47023/12	0.16	0.093235	4.8	312605.0	0.582716	Y
5	IC 140-47023/13	0.4	0.271352	4.8	305245.0	0.67838	Y
6	IC 140-47023/14	1.0	0.628044	4.8	311833.0	0.628044	Y
7	ICIS 140-47023/15	2.0	1.216971	4.8	317348.0	0.608485	Y
8	IC 140-47023/7	4.0	2.234418	4.8	322730.0	0.558604	Y
9	IC 140-47023/5	8.0	4.256802	4.8	323701.0	0.5321	Y
10	IC 140-47023/3	16.0	8.020604	4.8	285381.0	0.501288	Y



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

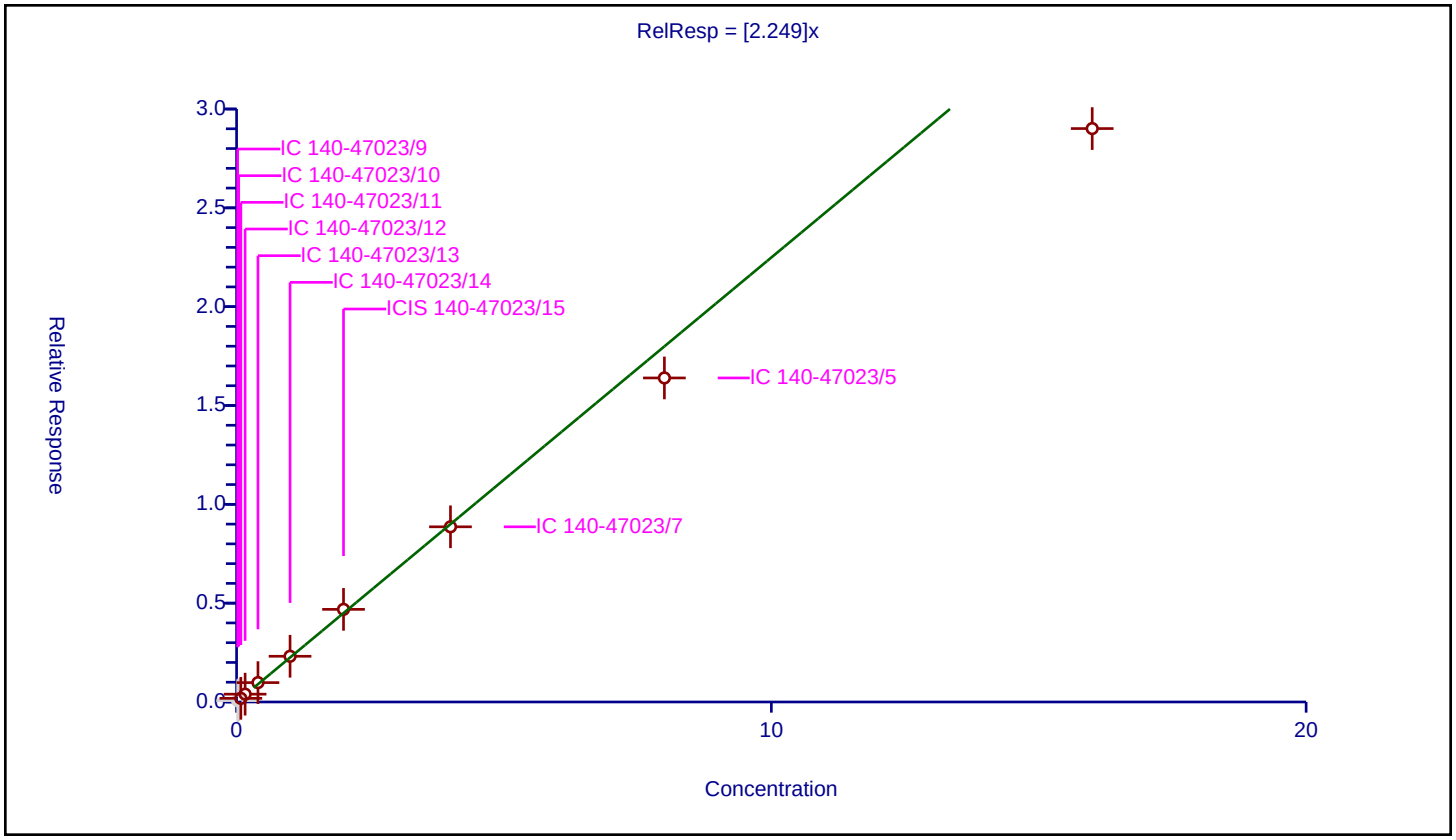
Curve Coefficients

Intercept:	0
Slope:	2.249

Error Coefficients

Standard Error:	817000
Relative Standard Error:	9.8
Correlation Coefficient:	0.980
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.067607	4.8	322758.0	3.380365	N
2	IC 140-47023/10	0.04	0.114569	4.8	318369.0	2.864224	N
3	IC 140-47023/11	0.08	0.186147	4.8	312475.0	2.326842	Y
4	IC 140-47023/12	0.16	0.396631	4.8	312605.0	2.478943	Y
5	IC 140-47023/13	0.4	0.979987	4.8	305245.0	2.449966	Y
6	IC 140-47023/14	1.0	2.313254	4.8	311833.0	2.313254	Y
7	ICIS 140-47023/15	2.0	4.686121	4.8	317348.0	2.343061	Y
8	IC 140-47023/7	4.0	8.863498	4.8	322730.0	2.215875	Y
9	IC 140-47023/5	8.0	16.394537	4.8	323701.0	2.049317	Y
10	IC 140-47023/3	16.0	29.01117	4.8	285381.0	1.813198	Y



Calibration / Vinyl chloride

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

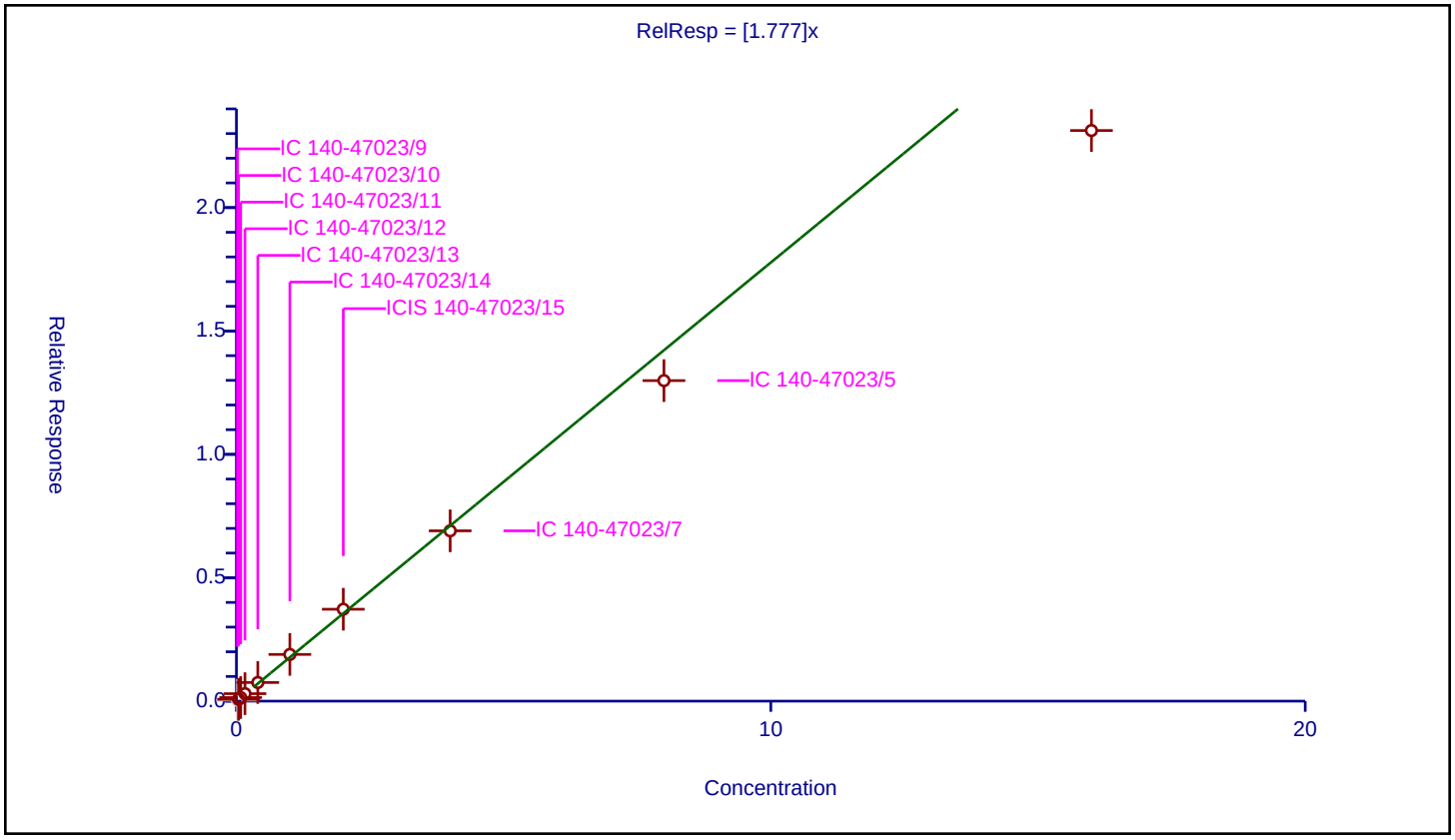
Curve Coefficients

Intercept:	0
Slope:	1.777

Error Coefficients

Standard Error:	607000
Relative Standard Error:	8.7
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.042831	4.8	322758.0	2.141543	N
2	IC 140-47023/10	0.04	0.074525	4.8	318369.0	1.863121	Y
3	IC 140-47023/11	0.08	0.144626	4.8	312475.0	1.807825	Y
4	IC 140-47023/12	0.16	0.30249	4.8	312605.0	1.890565	Y
5	IC 140-47023/13	0.4	0.754756	4.8	305245.0	1.886891	Y
6	IC 140-47023/14	1.0	1.892582	4.8	311833.0	1.892582	Y
7	ICIS 140-47023/15	2.0	3.723801	4.8	317348.0	1.861901	Y
8	IC 140-47023/7	4.0	6.901973	4.8	322730.0	1.725493	Y
9	IC 140-47023/5	8.0	12.988386	4.8	323701.0	1.623548	Y
10	IC 140-47023/3	16.0	23.123395	4.8	285381.0	1.445212	Y



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

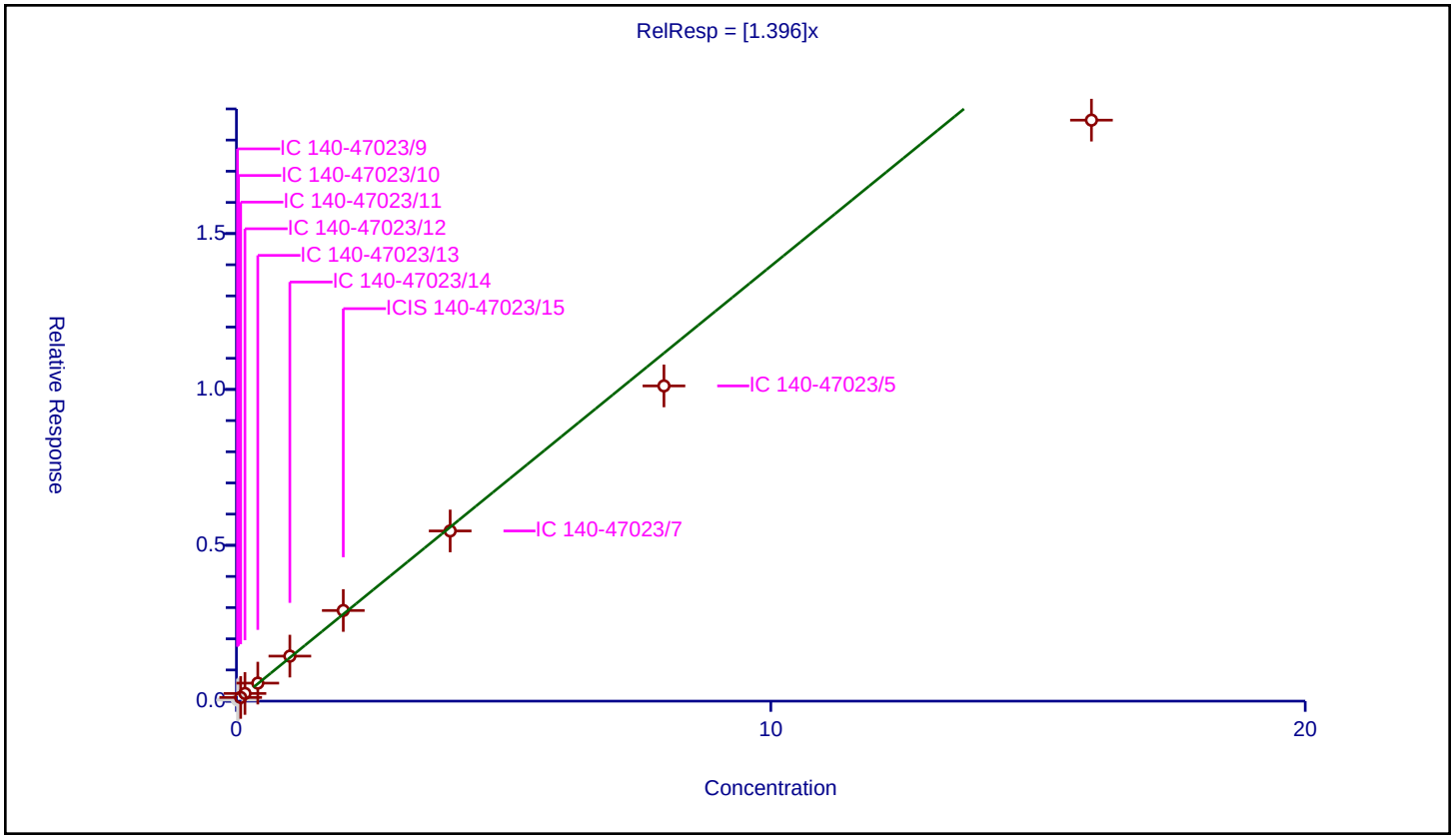
Curve Coefficients

Intercept:	0
Slope:	1.396

Error Coefficients

Standard Error:	518000
Relative Standard Error:	8.9
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.034919	4.8	322758.0	1.745952	N
2	IC 140-47023/10	0.04	0.064122	4.8	318369.0	1.603046	N
3	IC 140-47023/11	0.08	0.118758	4.8	312475.0	1.484471	Y
4	IC 140-47023/12	0.16	0.246706	4.8	312605.0	1.541914	Y
5	IC 140-47023/13	0.4	0.578352	4.8	305245.0	1.445881	Y
6	IC 140-47023/14	1.0	1.44405	4.8	311833.0	1.44405	Y
7	ICIS 140-47023/15	2.0	2.908151	4.8	317348.0	1.454076	Y
8	IC 140-47023/7	4.0	5.460173	4.8	322730.0	1.365043	Y
9	IC 140-47023/5	8.0	10.112562	4.8	323701.0	1.26407	Y
10	IC 140-47023/3	16.0	18.639469	4.8	285381.0	1.164967	Y



Calibration / Butane

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

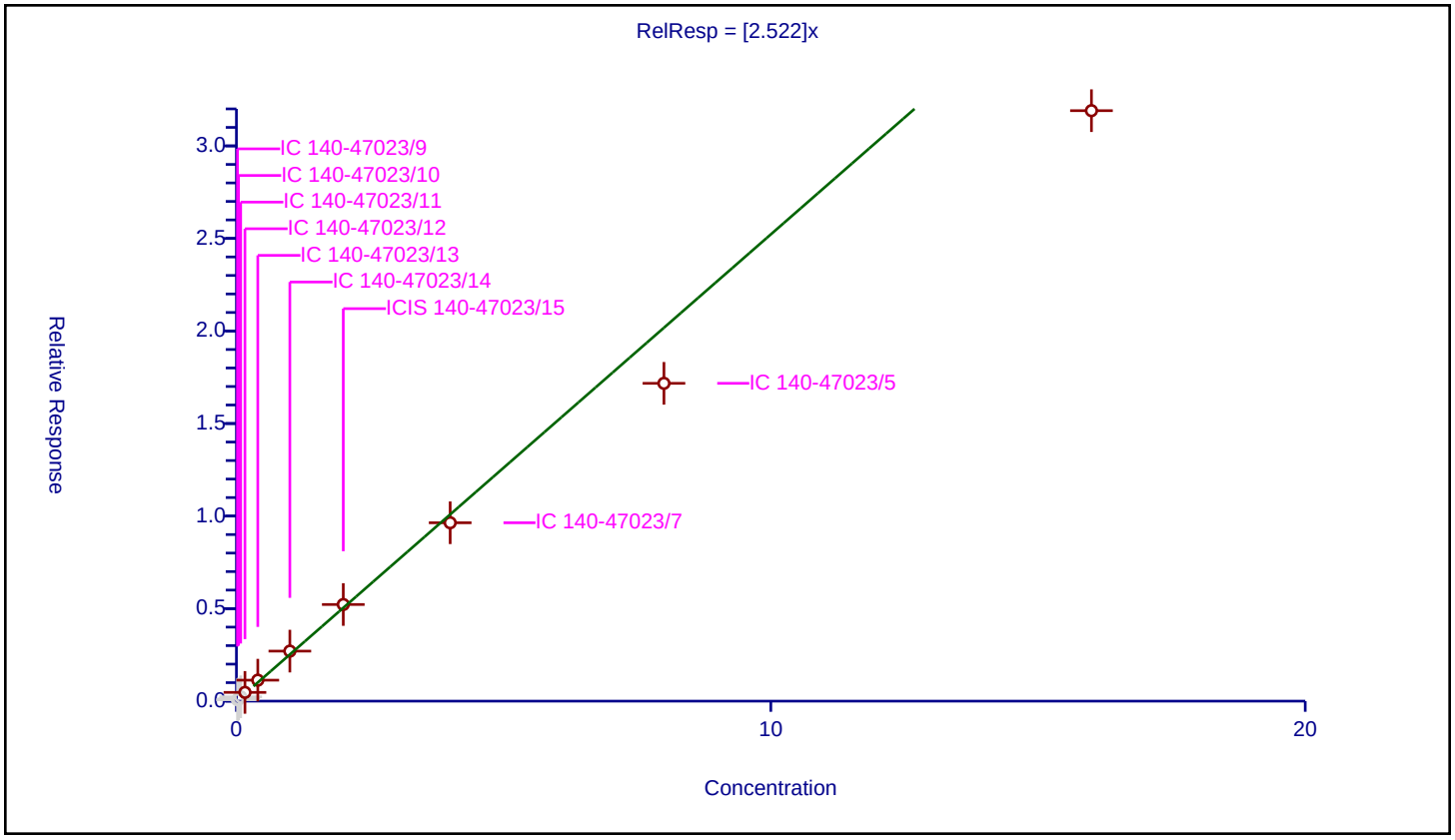
Curve Coefficients

Intercept:	0
Slope:	2.522

Error Coefficients

Standard Error:	959000
Relative Standard Error:	14.1
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.073883	4.8	322758.0	3.694161	N
2	IC 140-47023/10	0.04	0.116695	4.8	318369.0	2.917369	N
3	IC 140-47023/11	0.08	0.235088	4.8	312475.0	2.938603	N
4	IC 140-47023/12	0.16	0.472852	4.8	312605.0	2.955327	Y
5	IC 140-47023/13	0.4	1.13351	4.8	305245.0	2.833776	Y
6	IC 140-47023/14	1.0	2.703124	4.8	311833.0	2.703124	Y
7	ICIS 140-47023/15	2.0	5.222224	4.8	317348.0	2.611112	Y
8	IC 140-47023/7	4.0	9.638908	4.8	322730.0	2.409727	Y
9	IC 140-47023/5	8.0	17.171506	4.8	323701.0	2.146438	Y
10	IC 140-47023/3	16.0	31.903119	4.8	285381.0	1.993945	Y



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

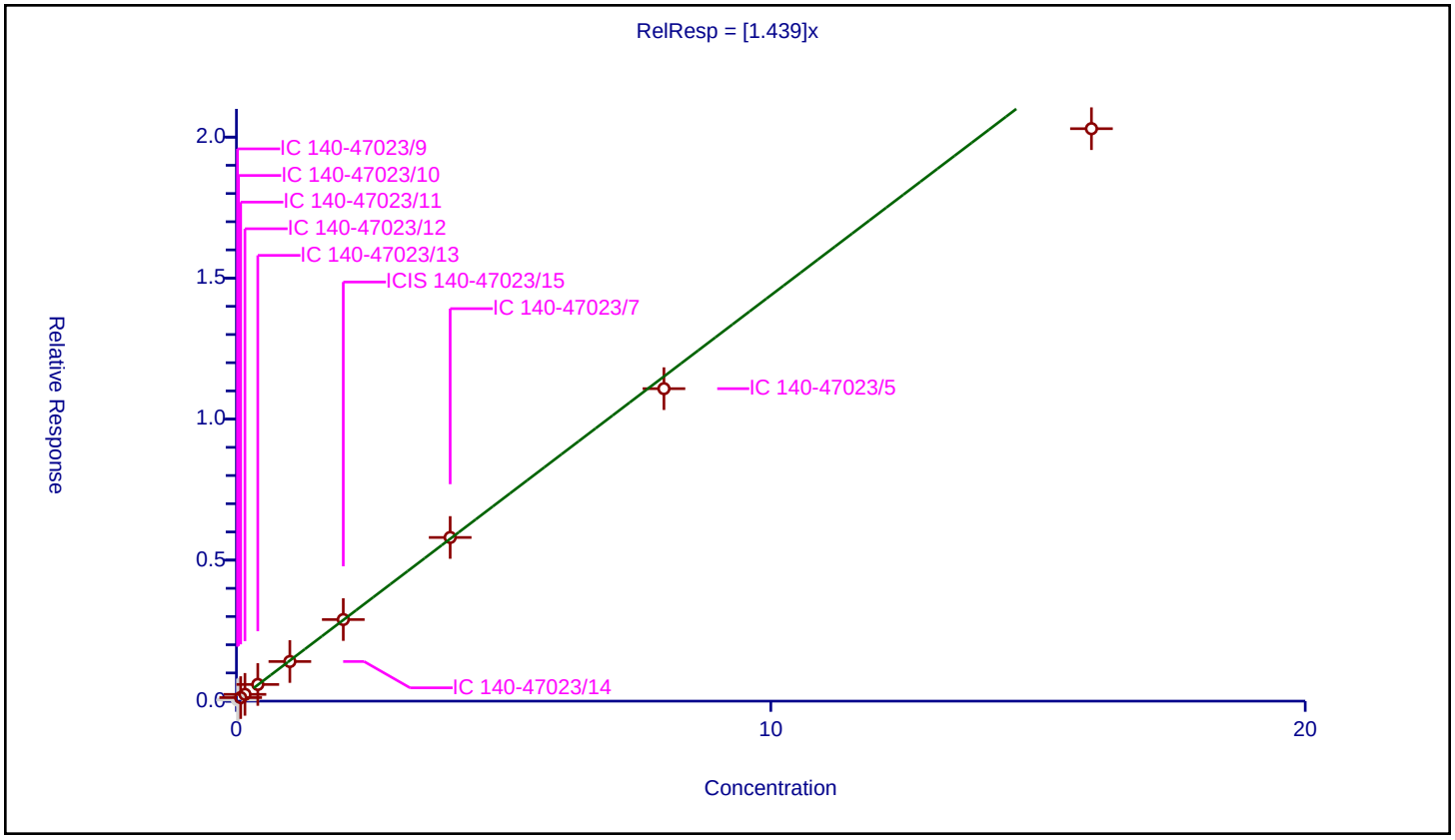
Curve Coefficients

Intercept:	0
Slope:	1.439

Error Coefficients

Standard Error:	562000
Relative Standard Error:	6.3
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.040764	4.8	322758.0	2.038183	N
2	IC 140-47023/10	0.04	0.067439	4.8	318369.0	1.685968	N
3	IC 140-47023/11	0.08	0.125808	4.8	312475.0	1.572606	Y
4	IC 140-47023/12	0.16	0.240626	4.8	312605.0	1.503911	Y
5	IC 140-47023/13	0.4	0.591782	4.8	305245.0	1.479454	Y
6	IC 140-47023/14	1.0	1.404983	4.8	311833.0	1.404983	Y
7	ICIS 140-47023/15	2.0	2.892693	4.8	317348.0	1.446347	Y
8	IC 140-47023/7	4.0	5.803548	4.8	322730.0	1.450887	Y
9	IC 140-47023/5	8.0	11.080374	4.8	323701.0	1.385047	Y
10	IC 140-47023/3	16.0	20.298388	4.8	285381.0	1.268649	Y



Calibration / Chloroethane

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

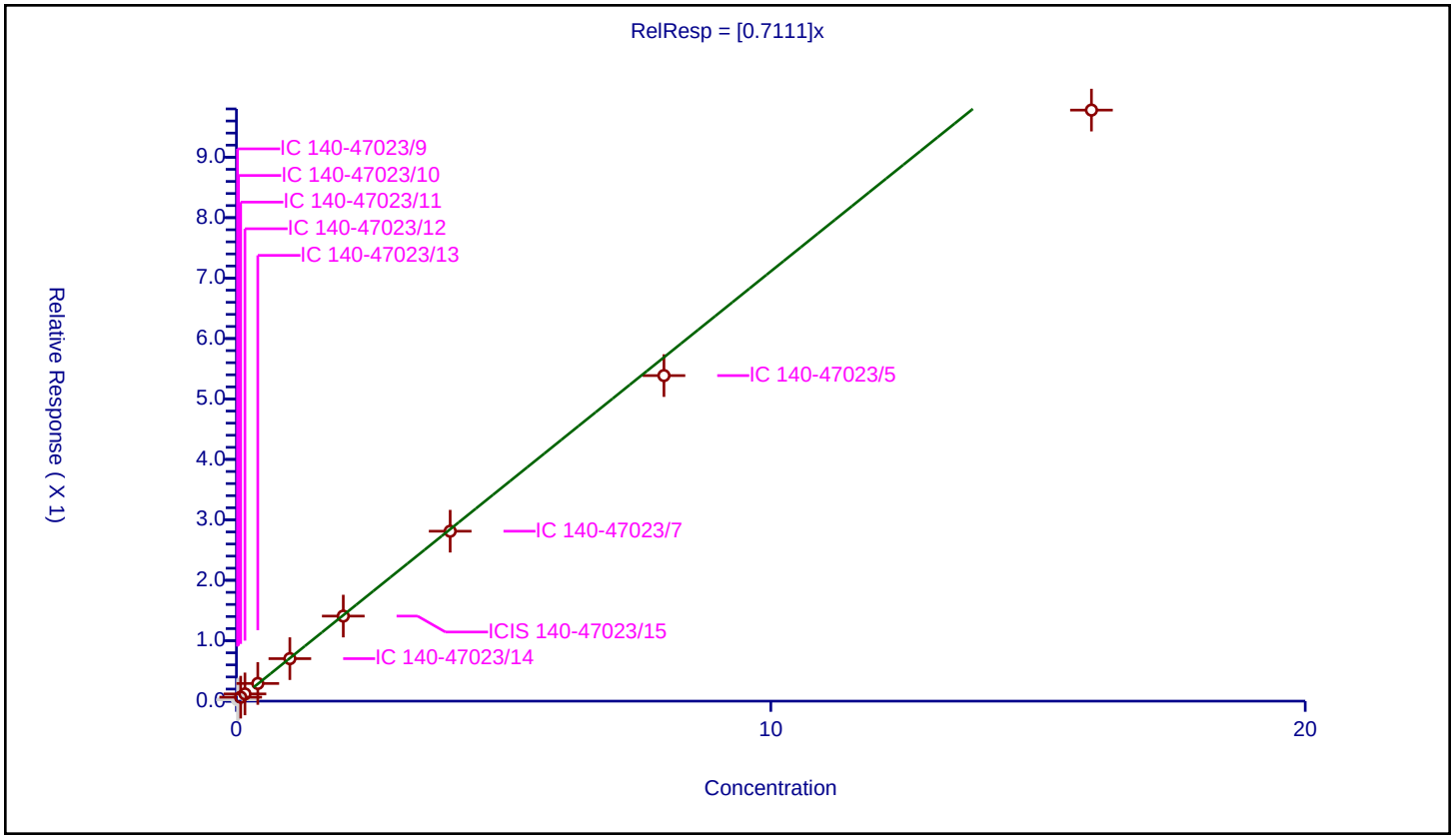
Curve Coefficients

Intercept:	0
Slope:	0.7111

Error Coefficients

Standard Error:	272000
Relative Standard Error:	8.3
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.02207	4.8	322758.0	1.103489	N
2	IC 140-47023/10	0.04	0.035551	4.8	318369.0	0.88878	N
3	IC 140-47023/11	0.08	0.065362	4.8	312475.0	0.817025	Y
4	IC 140-47023/12	0.16	0.119537	4.8	312605.0	0.747109	Y
5	IC 140-47023/13	0.4	0.29225	4.8	305245.0	0.730626	Y
6	IC 140-47023/14	1.0	0.703053	4.8	311833.0	0.703053	Y
7	ICIS 140-47023/15	2.0	1.40755	4.8	317348.0	0.703775	Y
8	IC 140-47023/7	4.0	2.811822	4.8	322730.0	0.702955	Y
9	IC 140-47023/5	8.0	5.386986	4.8	323701.0	0.673373	Y
10	IC 140-47023/3	16.0	9.780189	4.8	285381.0	0.611262	Y



Calibration / Ethanol

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

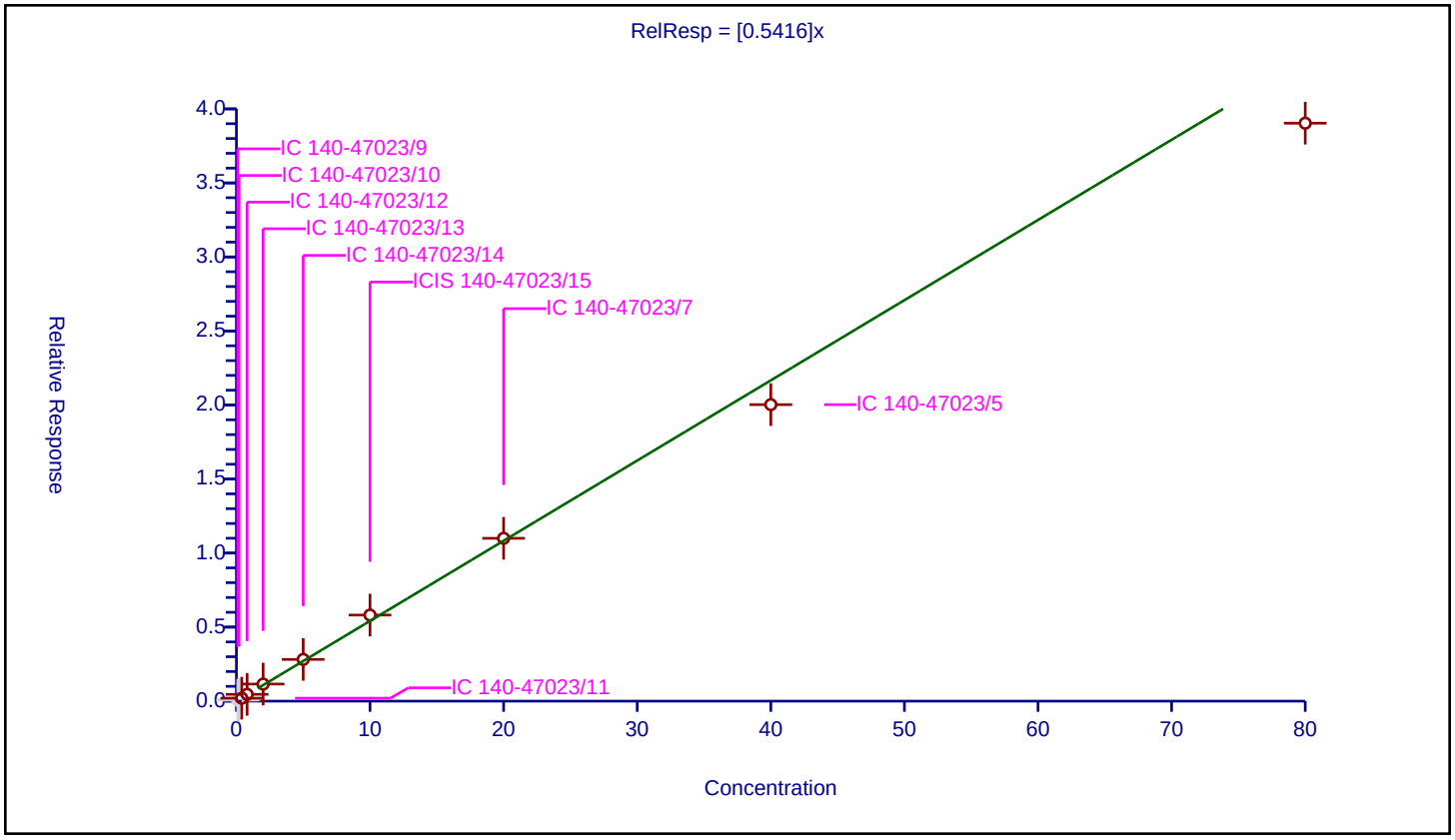
Curve Coefficients

Intercept:	0
Slope:	0.5416

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	7.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.1	0.069481	4.8	322758.0	0.694812	N
2	IC 140-47023/10	0.2	0.112202	4.8	318369.0	0.561009	N
3	IC 140-47023/11	0.4	0.199742	4.8	312475.0	0.499355	Y
4	IC 140-47023/12	0.8	0.458787	4.8	312605.0	0.573484	Y
5	IC 140-47023/13	2.0	1.153513	4.8	305245.0	0.576756	Y
6	IC 140-47023/14	5.0	2.818139	4.8	311833.0	0.563628	Y
7	ICIS 140-47023/15	10.0	5.813051	4.8	317348.0	0.581305	Y
8	IC 140-47023/7	20.0	10.996615	4.8	322730.0	0.549831	Y
9	IC 140-47023/5	40.0	20.025784	4.8	323701.0	0.500645	Y
10	IC 140-47023/3	80.0	39.034133	4.8	285381.0	0.487927	Y



Calibration / Vinyl bromide

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

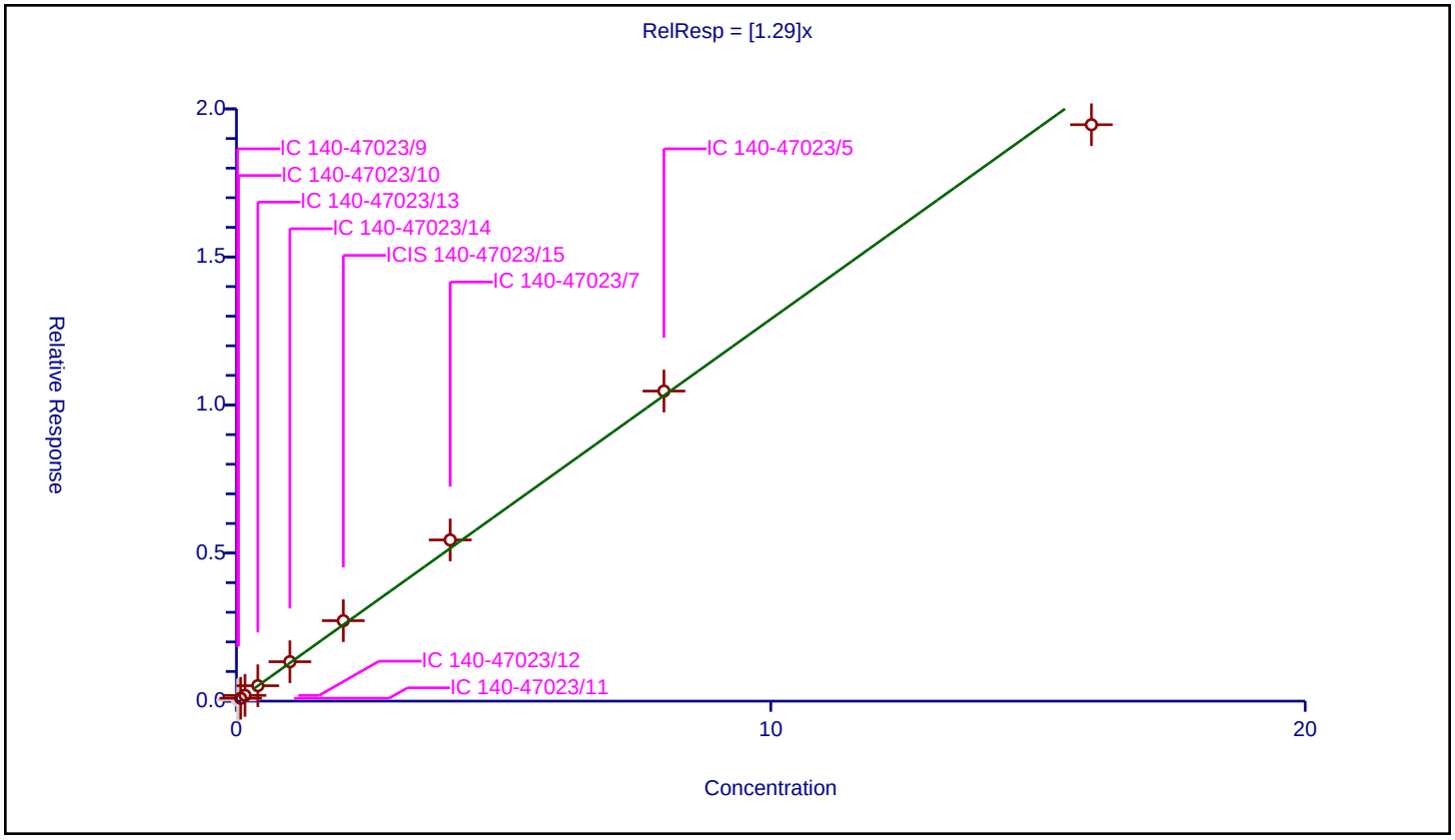
Curve Coefficients

Intercept:	0
Slope:	1.29

Error Coefficients

Standard Error:	536000
Relative Standard Error:	4.8
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.03651	4.8	322758.0	1.825516	N
2	IC 140-47023/10	0.04	0.054005	4.8	318369.0	1.350131	N
3	IC 140-47023/11	0.08	0.098465	4.8	312475.0	1.230818	Y
4	IC 140-47023/12	0.16	0.194008	4.8	312605.0	1.212553	Y
5	IC 140-47023/13	0.4	0.520453	4.8	305245.0	1.301132	Y
6	IC 140-47023/14	1.0	1.330266	4.8	311833.0	1.330266	Y
7	ICIS 140-47023/15	2.0	2.716437	4.8	317348.0	1.358219	Y
8	IC 140-47023/7	4.0	5.443961	4.8	322730.0	1.36099	Y
9	IC 140-47023/5	8.0	10.471115	4.8	323701.0	1.308889	Y
10	IC 140-47023/3	16.0	19.46575	4.8	285381.0	1.216609	Y



Calibration / 2-Methylbutane

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

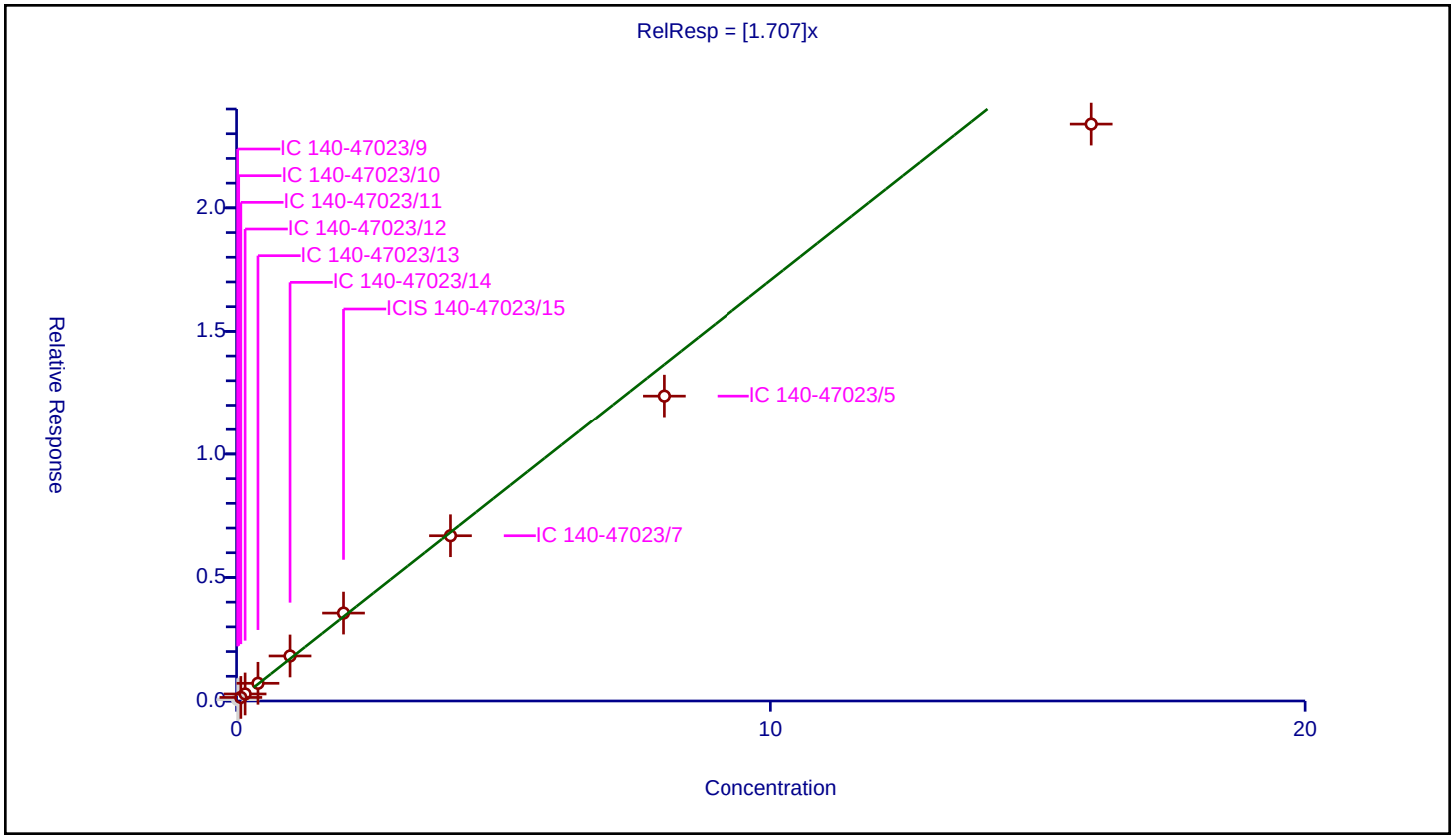
Curve Coefficients

Intercept:	0
Slope:	1.707

Error Coefficients

Standard Error:	644000
Relative Standard Error:	7.9
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.052498	4.8	322758.0	2.624877	N
2	IC 140-47023/10	0.04	0.078143	4.8	318369.0	1.953582	N
3	IC 140-47023/11	0.08	0.144227	4.8	312475.0	1.802832	Y
4	IC 140-47023/12	0.16	0.284494	4.8	312605.0	1.778091	Y
5	IC 140-47023/13	0.4	0.716497	4.8	305245.0	1.791243	Y
6	IC 140-47023/14	1.0	1.822606	4.8	311833.0	1.822606	Y
7	ICIS 140-47023/15	2.0	3.557876	4.8	317348.0	1.778938	Y
8	IC 140-47023/7	4.0	6.688528	4.8	322730.0	1.672132	Y
9	IC 140-47023/5	8.0	12.378475	4.8	323701.0	1.547309	Y
10	IC 140-47023/3	16.0	23.389851	4.8	285381.0	1.461866	Y



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

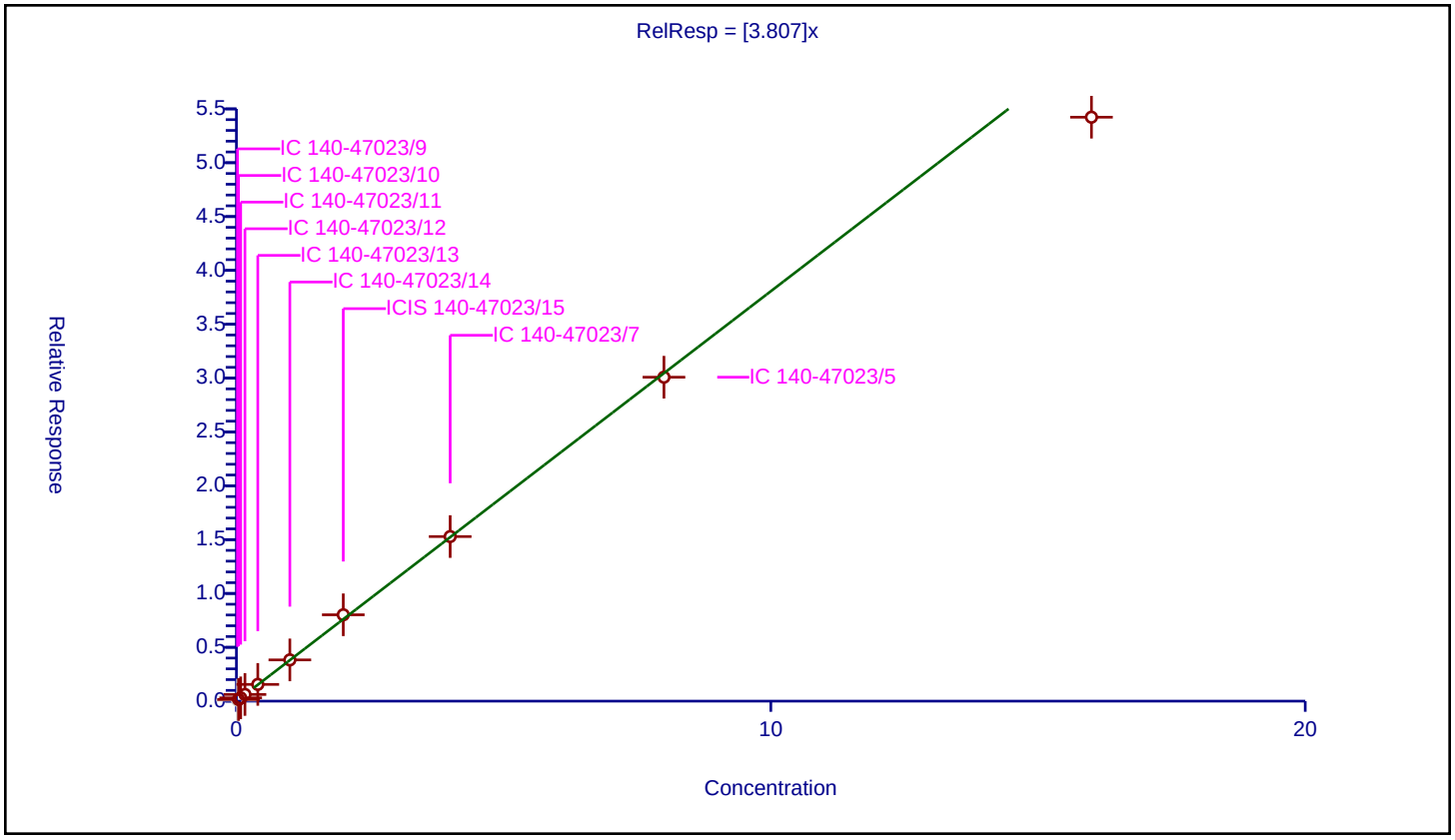
Curve Coefficients

Intercept:	0
Slope:	3.807

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	4.5
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.095983	4.8	322758.0	4.799137	N
2	IC 140-47023/10	0.04	0.154613	4.8	318369.0	3.865326	Y
3	IC 140-47023/11	0.08	0.306103	4.8	312475.0	3.82629	Y
4	IC 140-47023/12	0.16	0.619844	4.8	312605.0	3.874026	Y
5	IC 140-47023/13	0.4	1.553417	4.8	305245.0	3.883543	Y
6	IC 140-47023/14	1.0	3.829357	4.8	311833.0	3.829357	Y
7	ICIS 140-47023/15	2.0	8.01931	4.8	317348.0	4.009655	Y
8	IC 140-47023/7	4.0	15.285426	4.8	322730.0	3.821357	Y
9	IC 140-47023/5	8.0	30.083496	4.8	323701.0	3.760437	Y
10	IC 140-47023/3	16.0	54.22849	4.8	285381.0	3.389281	Y



Calibration / Acrolein

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

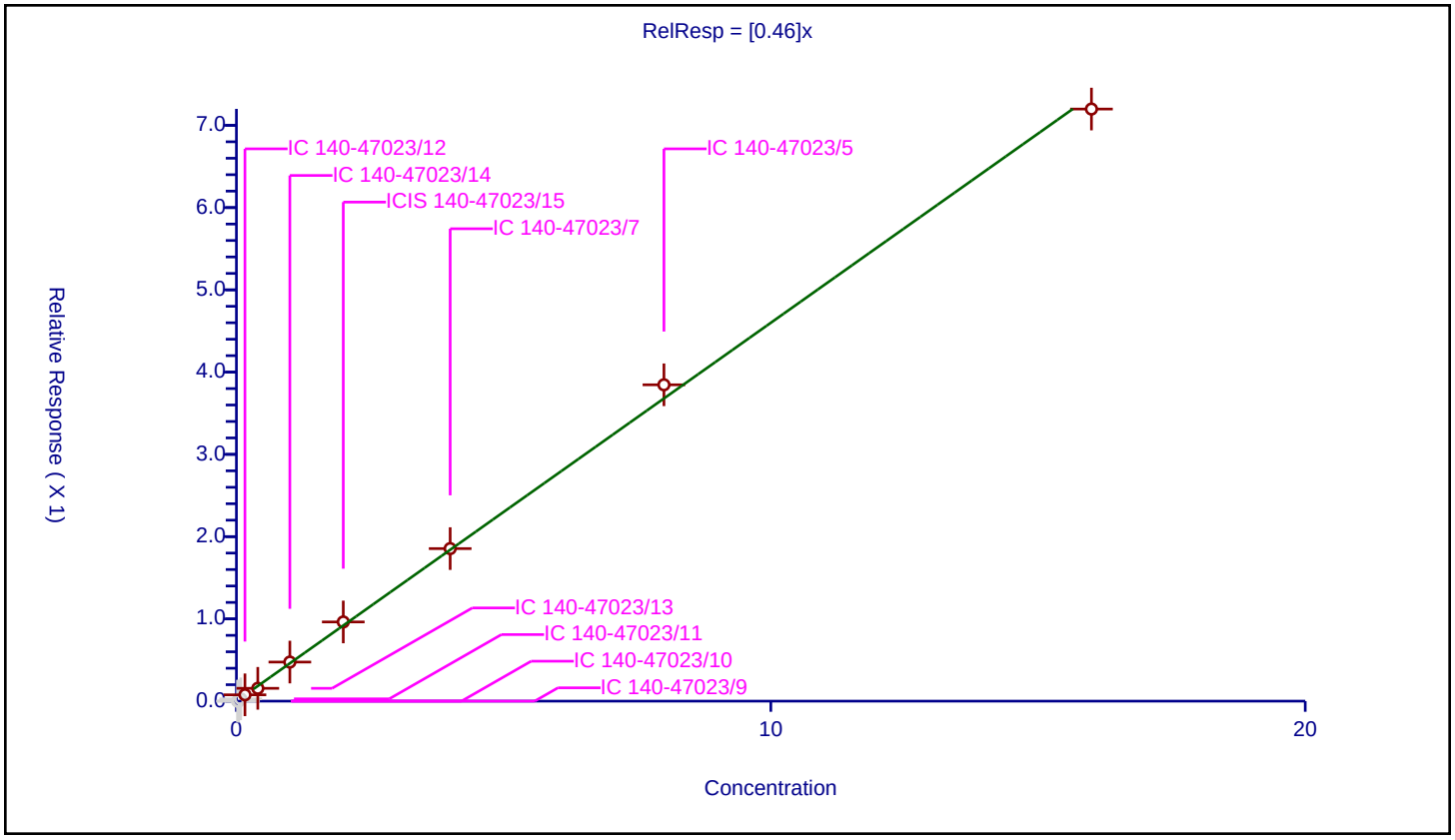
Curve Coefficients

Intercept:	0
Slope:	0.46

Error Coefficients

Standard Error:	213000
Relative Standard Error:	7.2
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.0	4.8	322758.0	0.0	N
2	IC 140-47023/10	0.04	0.0	4.8	318369.0	0.0	N
3	IC 140-47023/11	0.08	0.027881	4.8	312475.0	0.348508	N
4	IC 140-47023/12	0.16	0.076743	4.8	312605.0	0.479647	Y
5	IC 140-47023/13	0.4	0.155773	4.8	305245.0	0.389431	Y
6	IC 140-47023/14	1.0	0.475023	4.8	311833.0	0.475023	Y
7	ICIS 140-47023/15	2.0	0.962713	4.8	317348.0	0.481357	Y
8	IC 140-47023/7	4.0	1.854484	4.8	322730.0	0.463621	Y
9	IC 140-47023/5	8.0	3.84592	4.8	323701.0	0.48074	Y
10	IC 140-47023/3	16.0	7.197906	4.8	285381.0	0.449869	Y



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

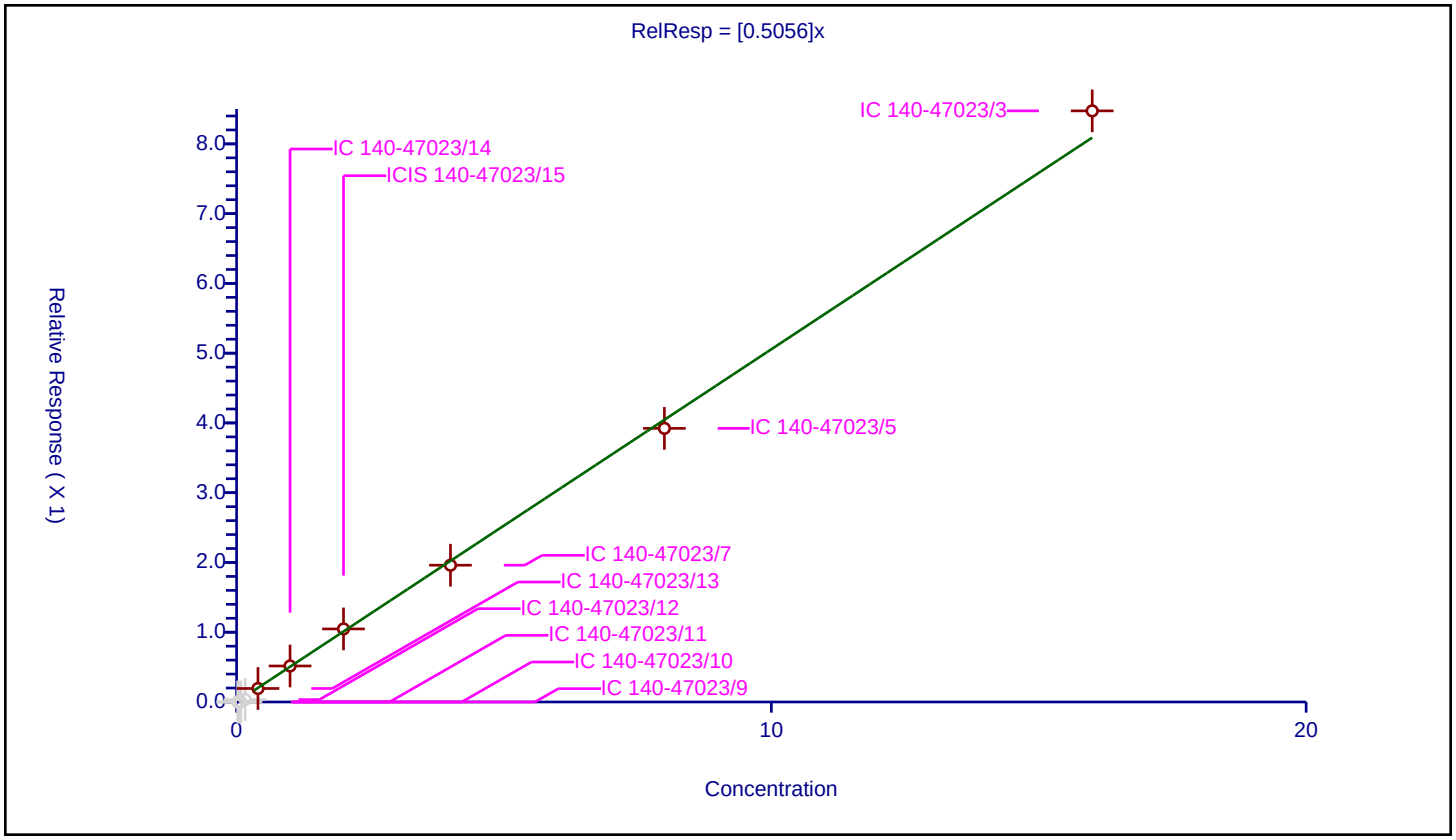
Curve Coefficients

Intercept:	0
Slope:	0.5056

Error Coefficients

Standard Error:	264000
Relative Standard Error:	3.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.0	4.8	322758.0	0.0	N
2	IC 140-47023/10	0.04	0.0	4.8	318369.0	0.0	N
3	IC 140-47023/11	0.08	0.0	4.8	312475.0	0.0	N
4	IC 140-47023/12	0.16	0.034717	4.8	312605.0	0.216983	N
5	IC 140-47023/13	0.4	0.193576	4.8	305245.0	0.483939	Y
6	IC 140-47023/14	1.0	0.516184	4.8	311833.0	0.516184	Y
7	ICIS 140-47023/15	2.0	1.047189	4.8	317348.0	0.523594	Y
8	IC 140-47023/7	4.0	1.960693	4.8	322730.0	0.490173	Y
9	IC 140-47023/5	8.0	3.922271	4.8	323701.0	0.490284	Y
10	IC 140-47023/3	16.0	8.473085	4.8	285381.0	0.529568	Y



Calibration / Acetone

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

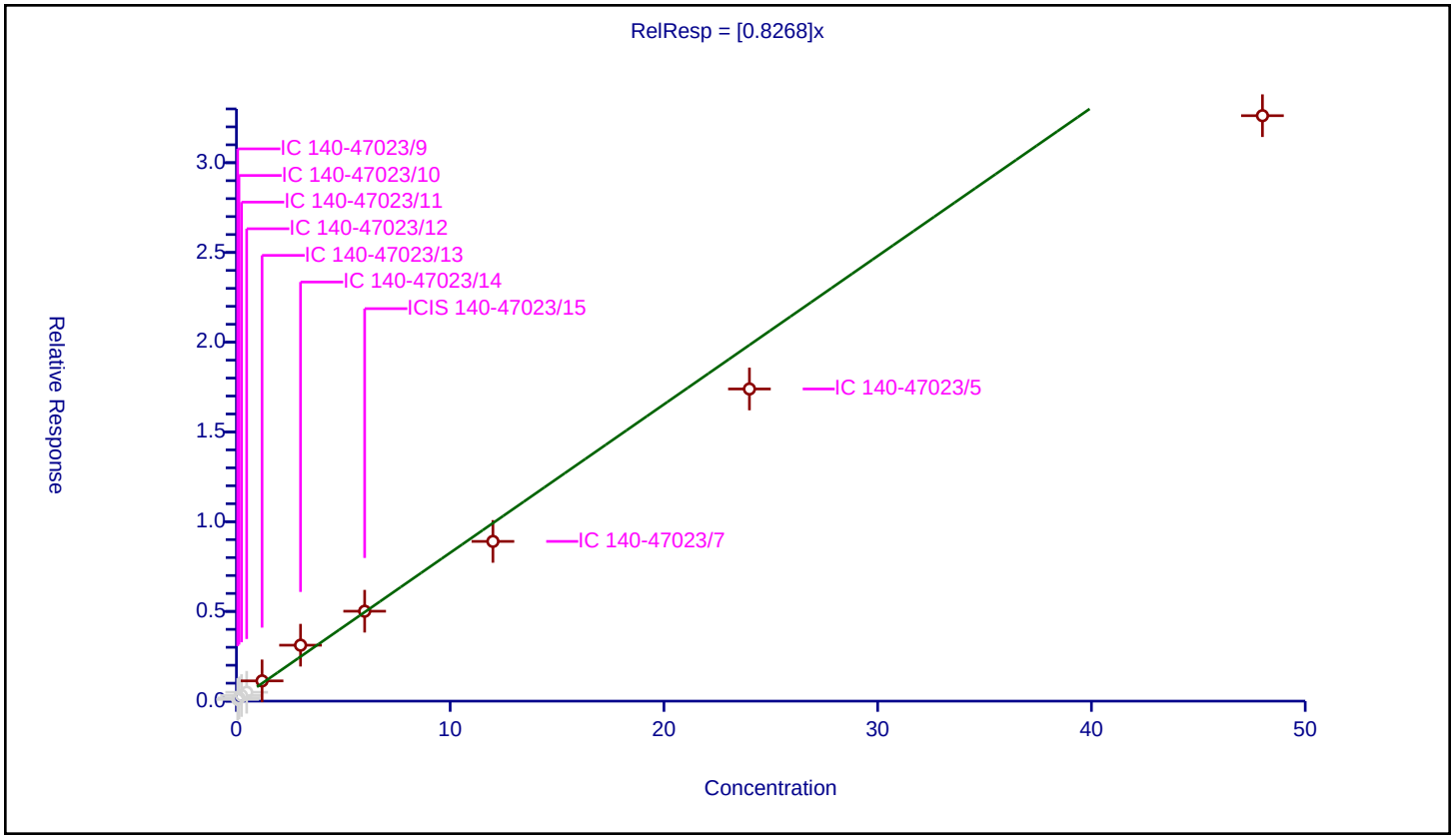
Curve Coefficients

Intercept:	0
Slope:	0.8268

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	16.9
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.950

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.06	0.096206	4.8	322758.0	1.60343	N
2	IC 140-47023/10	0.12	0.18044	4.8	318369.0	1.503664	N
3	IC 140-47023/11	0.24	0.31194	4.8	312475.0	1.299752	N
4	IC 140-47023/12	0.48	0.495071	4.8	312605.0	1.031397	N
5	IC 140-47023/13	1.2	1.12818	4.8	305245.0	0.94015	Y
6	IC 140-47023/14	3.0	3.117115	4.8	311833.0	1.039038	Y
7	ICIS 140-47023/15	6.0	5.011513	4.8	317348.0	0.835252	Y
8	IC 140-47023/7	12.0	8.901172	4.8	322730.0	0.741764	Y
9	IC 140-47023/5	24.0	17.393577	4.8	323701.0	0.724732	Y
10	IC 140-47023/3	48.0	32.621233	4.8	285381.0	0.679609	Y



Calibration / Pentane

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

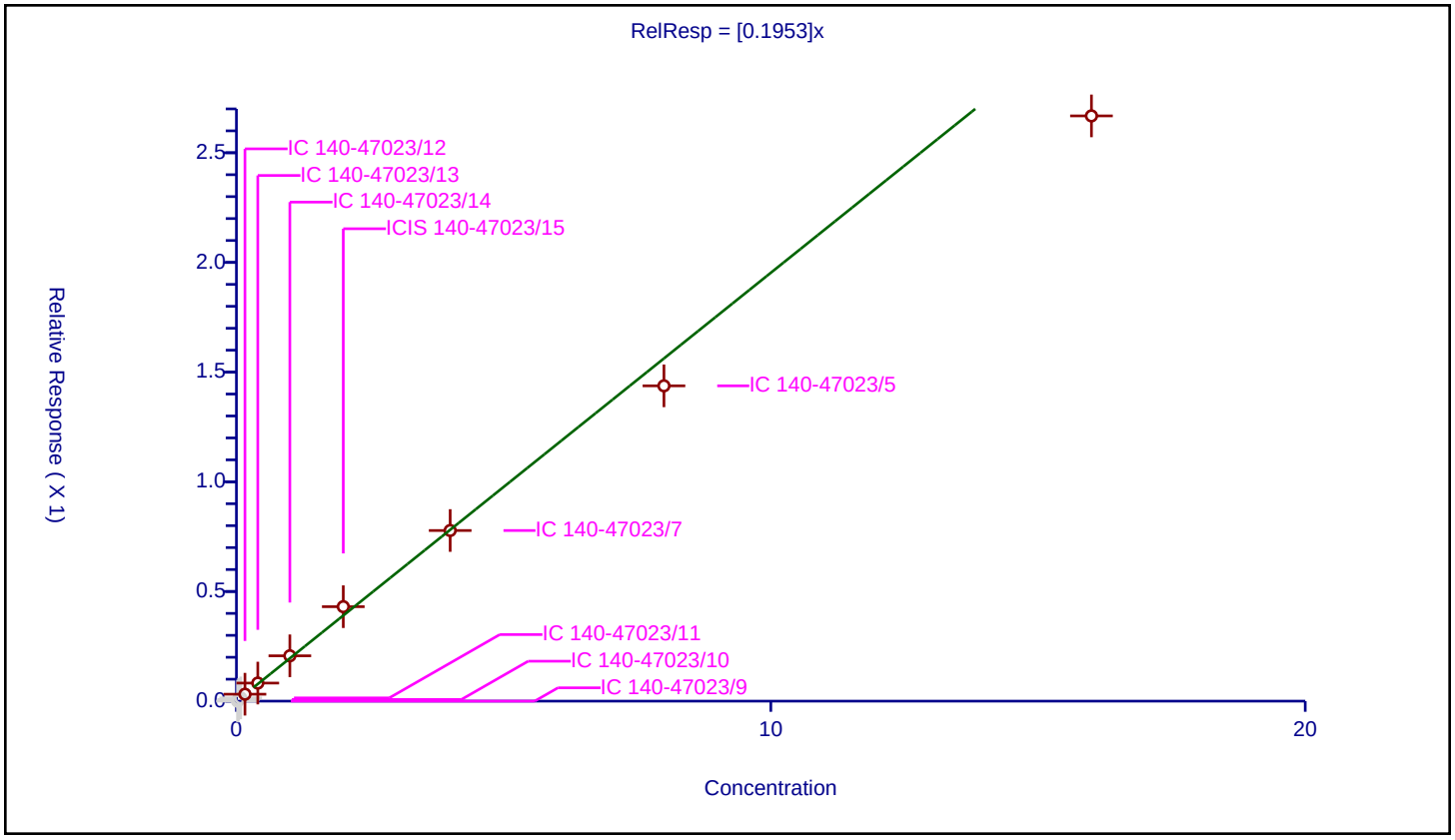
Curve Coefficients

Intercept:	0
Slope:	0.1953

Error Coefficients

Standard Error:	79900
Relative Standard Error:	8.7
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.0	4.8	322758.0	0.0	N
2	IC 140-47023/10	0.04	0.007719	4.8	318369.0	0.192984	N
3	IC 140-47023/11	0.08	0.014778	4.8	312475.0	0.184719	N
4	IC 140-47023/12	0.16	0.031677	4.8	312605.0	0.197981	Y
5	IC 140-47023/13	0.4	0.082431	4.8	305245.0	0.206077	Y
6	IC 140-47023/14	1.0	0.206711	4.8	311833.0	0.206711	Y
7	ICIS 140-47023/15	2.0	0.430679	4.8	317348.0	0.21534	Y
8	IC 140-47023/7	4.0	0.777849	4.8	322730.0	0.194462	Y
9	IC 140-47023/5	8.0	1.43743	4.8	323701.0	0.179679	Y
10	IC 140-47023/3	16.0	2.668046	4.8	285381.0	0.166753	Y



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

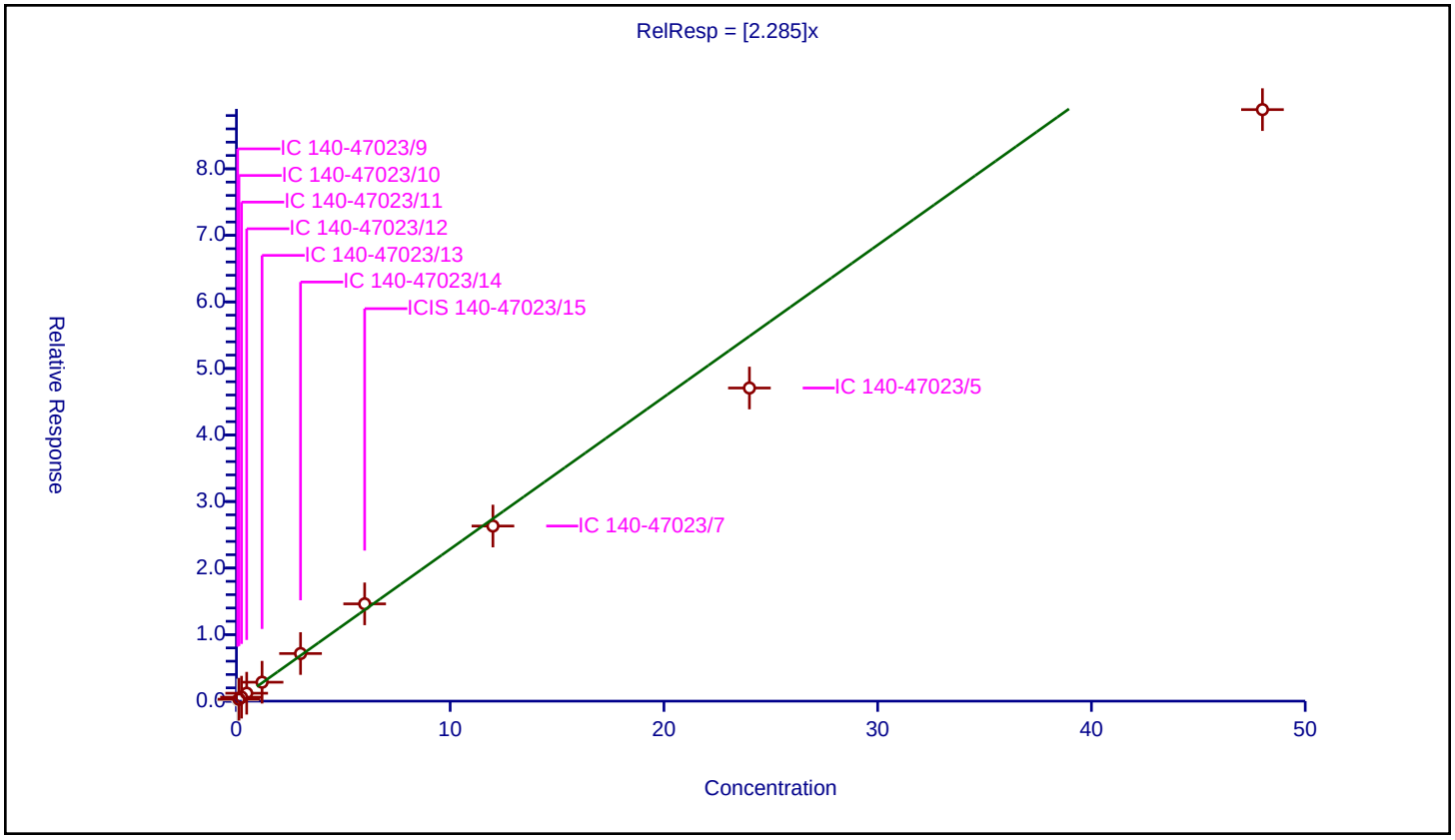
Curve Coefficients

Intercept:	0
Slope:	2.285

Error Coefficients

Standard Error:	2300000
Relative Standard Error:	10.2
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.06	0.179681	4.8	322758.0	2.99469	N
2	IC 140-47023/10	0.12	0.290742	4.8	318369.0	2.422849	Y
3	IC 140-47023/11	0.24	0.592698	4.8	312475.0	2.469574	Y
4	IC 140-47023/12	0.48	1.189309	4.8	312605.0	2.477727	Y
5	IC 140-47023/13	1.2	2.841977	4.8	305245.0	2.368314	Y
6	IC 140-47023/14	3.0	7.152459	4.8	311833.0	2.384153	Y
7	ICIS 140-47023/15	6.0	14.618924	4.8	317348.0	2.436487	Y
8	IC 140-47023/7	12.0	26.315595	4.8	322730.0	2.192966	Y
9	IC 140-47023/5	24.0	47.053704	4.8	323701.0	1.960571	Y
10	IC 140-47023/3	48.0	88.893593	4.8	285381.0	1.85195	Y



Calibration / Ethyl ether

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

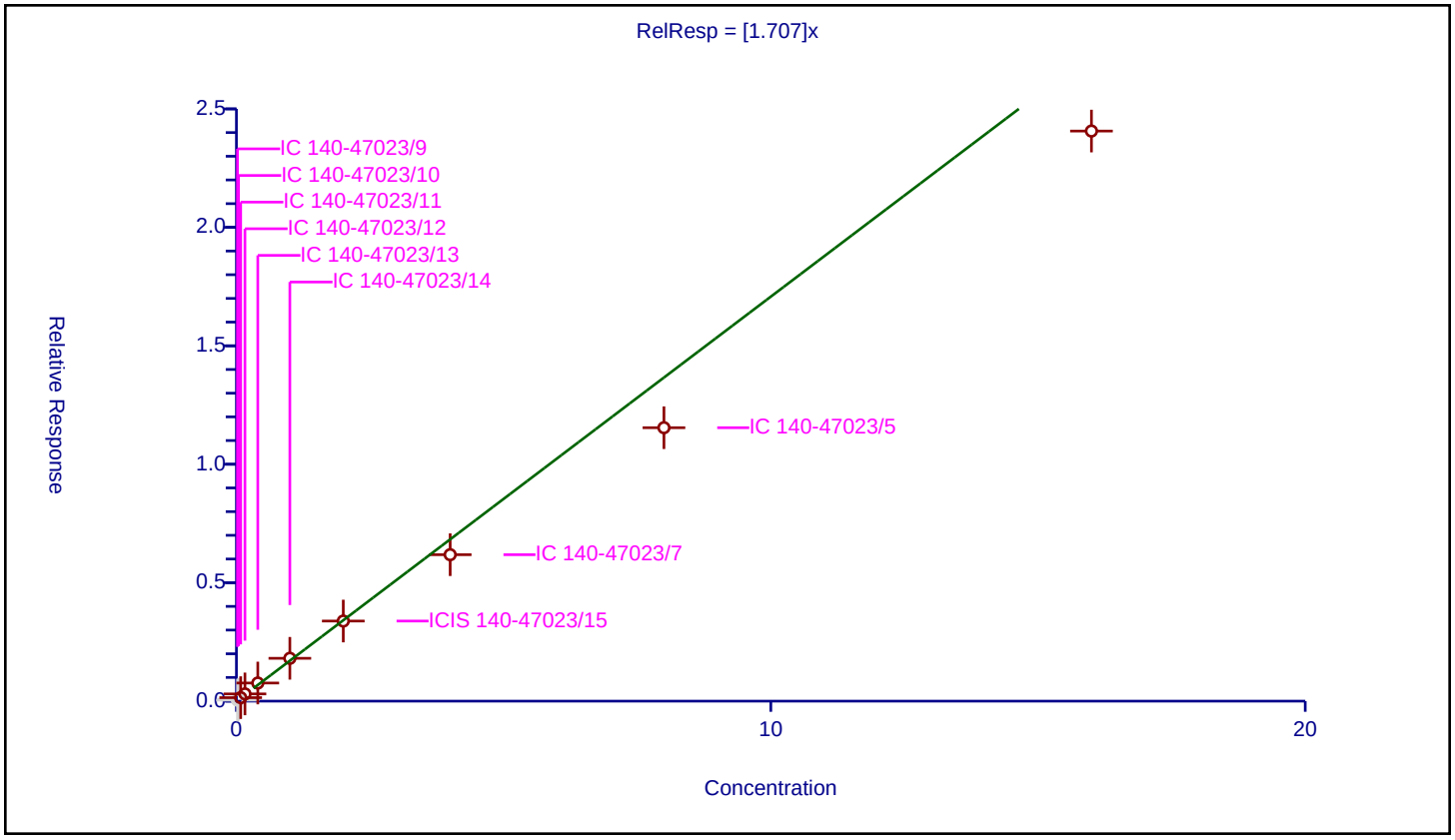
Curve Coefficients

Intercept:	0
Slope:	1.707

Error Coefficients

Standard Error:	643000
Relative Standard Error:	11.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.042652	4.8	322758.0	2.132619	N
2	IC 140-47023/10	0.04	0.076409	4.8	318369.0	1.910236	N
3	IC 140-47023/11	0.08	0.147867	4.8	312475.0	1.84834	Y
4	IC 140-47023/12	0.16	0.305346	4.8	312605.0	1.908415	Y
5	IC 140-47023/13	0.4	0.764757	4.8	305245.0	1.911894	Y
6	IC 140-47023/14	1.0	1.80806	4.8	311833.0	1.80806	Y
7	ICIS 140-47023/15	2.0	3.381333	4.8	317348.0	1.690666	Y
8	IC 140-47023/7	4.0	6.18192	4.8	322730.0	1.54548	Y
9	IC 140-47023/5	8.0	11.542934	4.8	323701.0	1.442867	Y
10	IC 140-47023/3	16.0	24.06489	4.8	285381.0	1.504056	Y



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

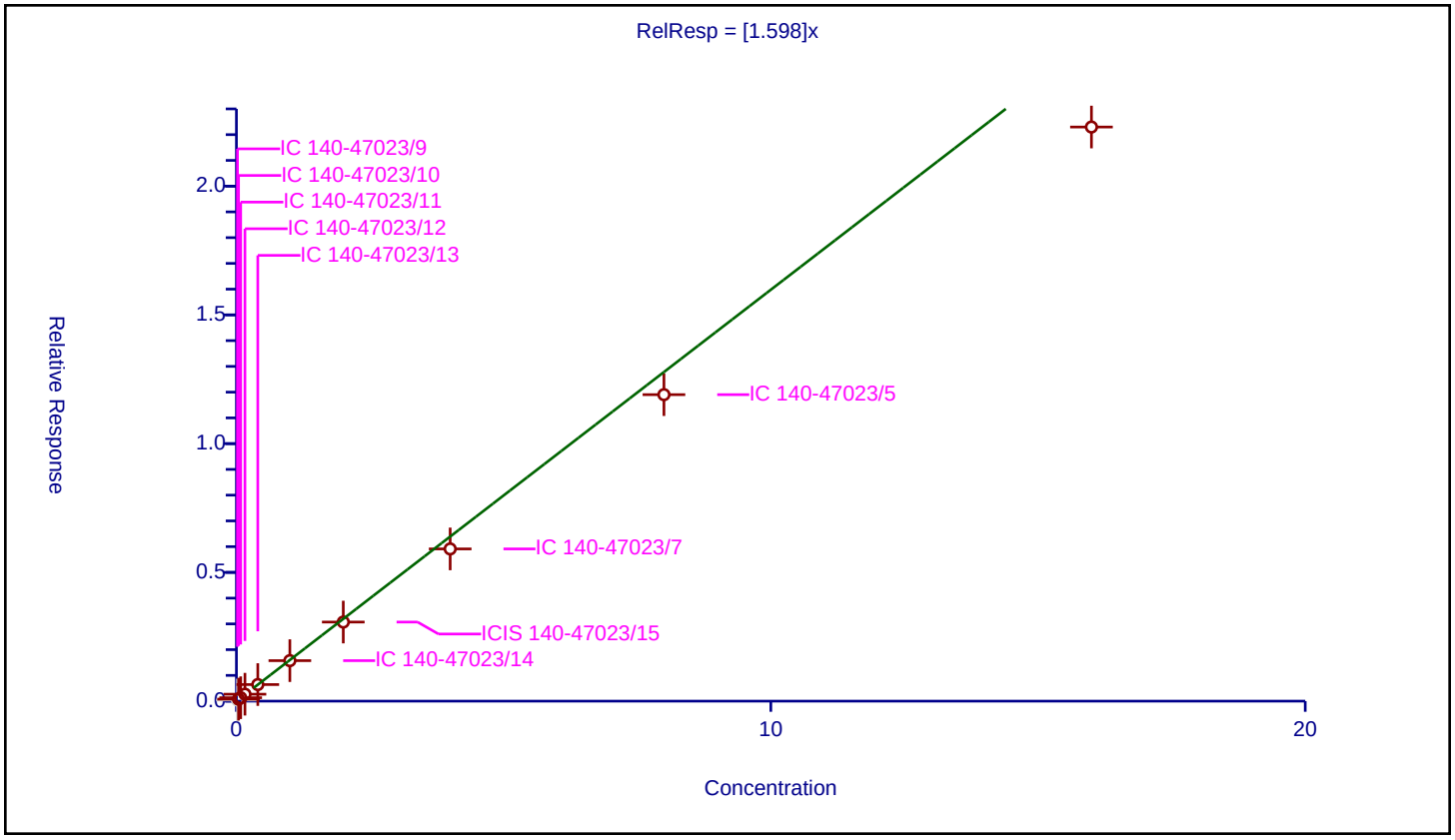
Curve Coefficients

Intercept:	0
Slope:	1.598

Error Coefficients

Standard Error:	572000
Relative Standard Error:	10.2
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.044318	4.8	322758.0	2.215902	N
2	IC 140-47023/10	0.04	0.078204	4.8	318369.0	1.95509	Y
3	IC 140-47023/11	0.08	0.133028	4.8	312475.0	1.662853	Y
4	IC 140-47023/12	0.16	0.269094	4.8	312605.0	1.681835	Y
5	IC 140-47023/13	0.4	0.644288	4.8	305245.0	1.610719	Y
6	IC 140-47023/14	1.0	1.572673	4.8	311833.0	1.572673	Y
7	ICIS 140-47023/15	2.0	3.071838	4.8	317348.0	1.535919	Y
8	IC 140-47023/7	4.0	5.911706	4.8	322730.0	1.477926	Y
9	IC 140-47023/5	8.0	11.902391	4.8	323701.0	1.487799	Y
10	IC 140-47023/3	16.0	22.296088	4.8	285381.0	1.393506	Y



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

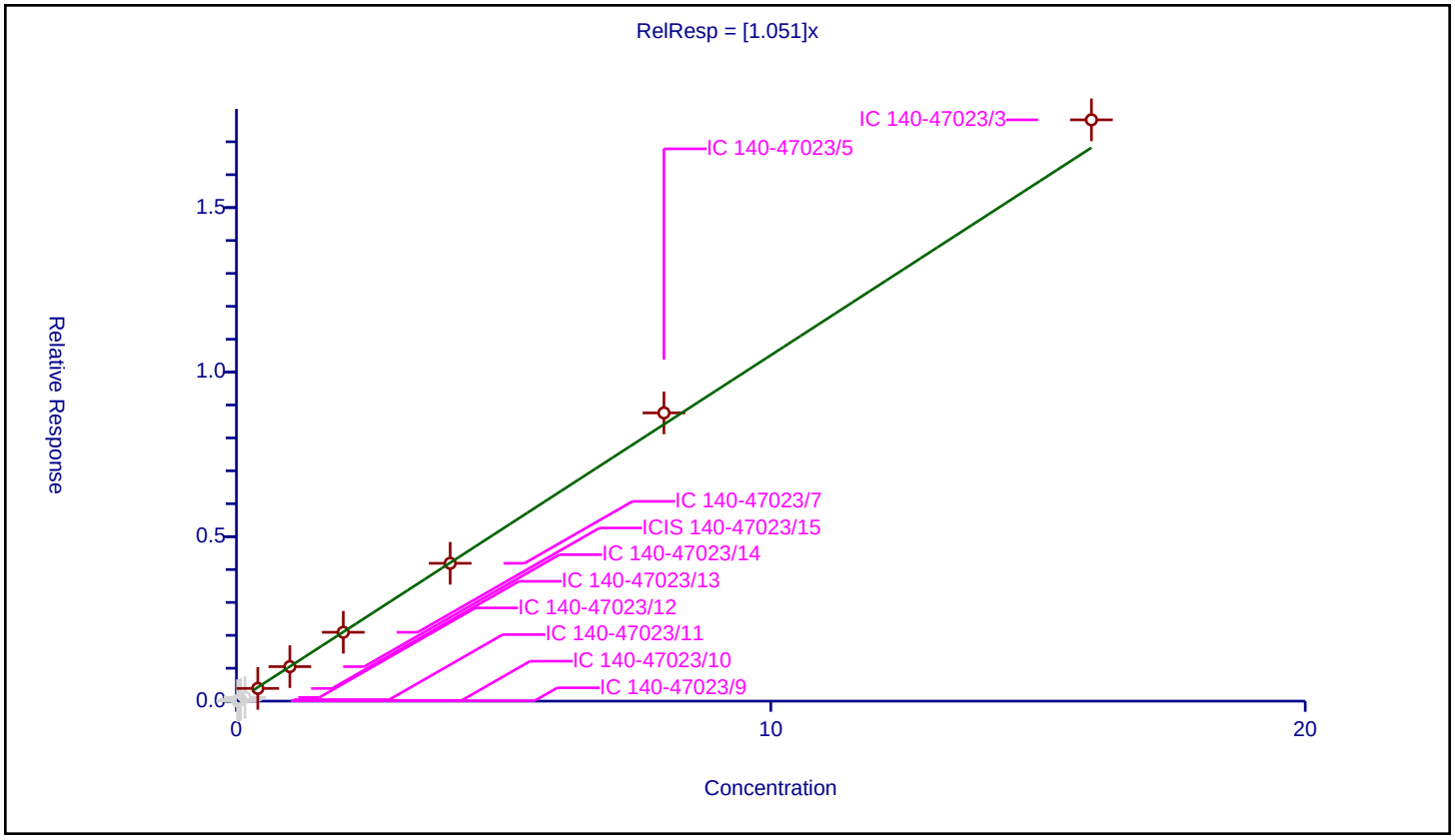
Curve Coefficients

Intercept:	0
Slope:	1.051

Error Coefficients

Standard Error:	558000
Relative Standard Error:	4.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.012507	4.8	322758.0	0.62536	N
2	IC 140-47023/10	0.04	0.019027	4.8	318369.0	0.475674	N
3	IC 140-47023/11	0.08	0.046729	4.8	312475.0	0.584111	N
4	IC 140-47023/12	0.16	0.111369	4.8	312605.0	0.696054	N
5	IC 140-47023/13	0.4	0.386664	4.8	305245.0	0.96666	Y
6	IC 140-47023/14	1.0	1.048392	4.8	311833.0	1.048392	Y
7	ICIS 140-47023/15	2.0	2.092623	4.8	317348.0	1.046311	Y
8	IC 140-47023/7	4.0	4.189786	4.8	322730.0	1.047446	Y
9	IC 140-47023/5	8.0	8.76044	4.8	323701.0	1.095055	Y
10	IC 140-47023/3	16.0	17.667194	4.8	285381.0	1.1042	Y



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

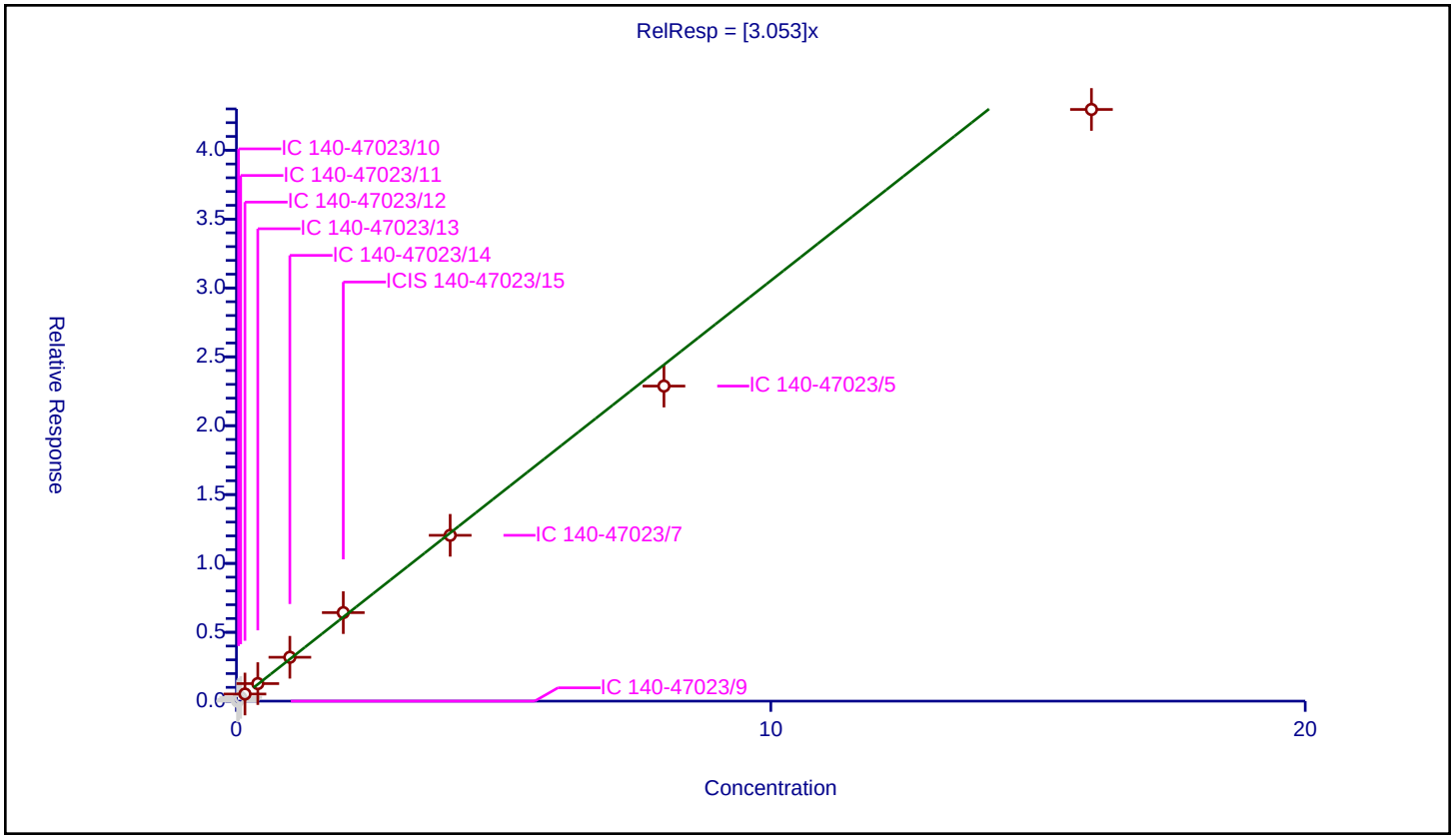
Curve Coefficients

Intercept:	0
Slope:	3.053

Error Coefficients

Standard Error:	1280000
Relative Standard Error:	6.9
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.0	4.8	322758.0	0.0	N
2	IC 140-47023/10	0.04	0.133415	4.8	318369.0	3.335375	N
3	IC 140-47023/11	0.08	0.27025	4.8	312475.0	3.378126	N
4	IC 140-47023/12	0.16	0.51689	4.8	312605.0	3.230563	Y
5	IC 140-47023/13	0.4	1.273967	4.8	305245.0	3.184917	Y
6	IC 140-47023/14	1.0	3.186429	4.8	311833.0	3.186429	Y
7	ICIS 140-47023/15	2.0	6.426081	4.8	317348.0	3.213041	Y
8	IC 140-47023/7	4.0	12.041407	4.8	322730.0	3.010352	Y
9	IC 140-47023/5	8.0	22.874739	4.8	323701.0	2.859342	Y
10	IC 140-47023/3	16.0	42.959463	4.8	285381.0	2.684966	Y



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

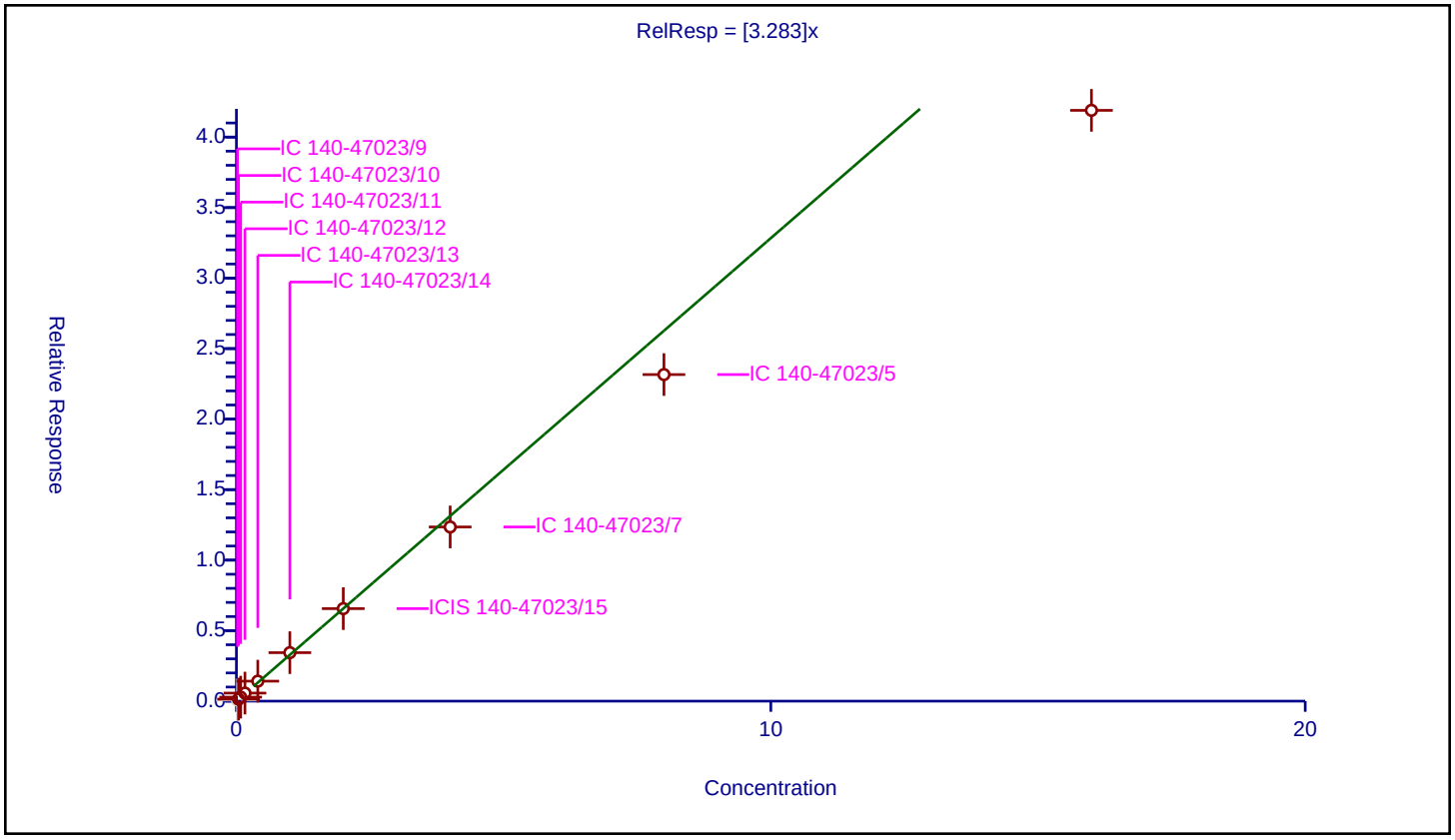
Curve Coefficients

Intercept:	0
Slope:	3.283

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	10.5
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.080204	4.8	322758.0	4.010187	N
2	IC 140-47023/10	0.04	0.143743	4.8	318369.0	3.593566	Y
3	IC 140-47023/11	0.08	0.28174	4.8	312475.0	3.521754	Y
4	IC 140-47023/12	0.16	0.571246	4.8	312605.0	3.570288	Y
5	IC 140-47023/13	0.4	1.417584	4.8	305245.0	3.54396	Y
6	IC 140-47023/14	1.0	3.437932	4.8	311833.0	3.437932	Y
7	ICIS 140-47023/15	2.0	6.561514	4.8	317348.0	3.280757	Y
8	IC 140-47023/7	4.0	12.352404	4.8	322730.0	3.088101	Y
9	IC 140-47023/5	8.0	23.158468	4.8	323701.0	2.894808	Y
10	IC 140-47023/3	16.0	41.895487	4.8	285381.0	2.618468	Y



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

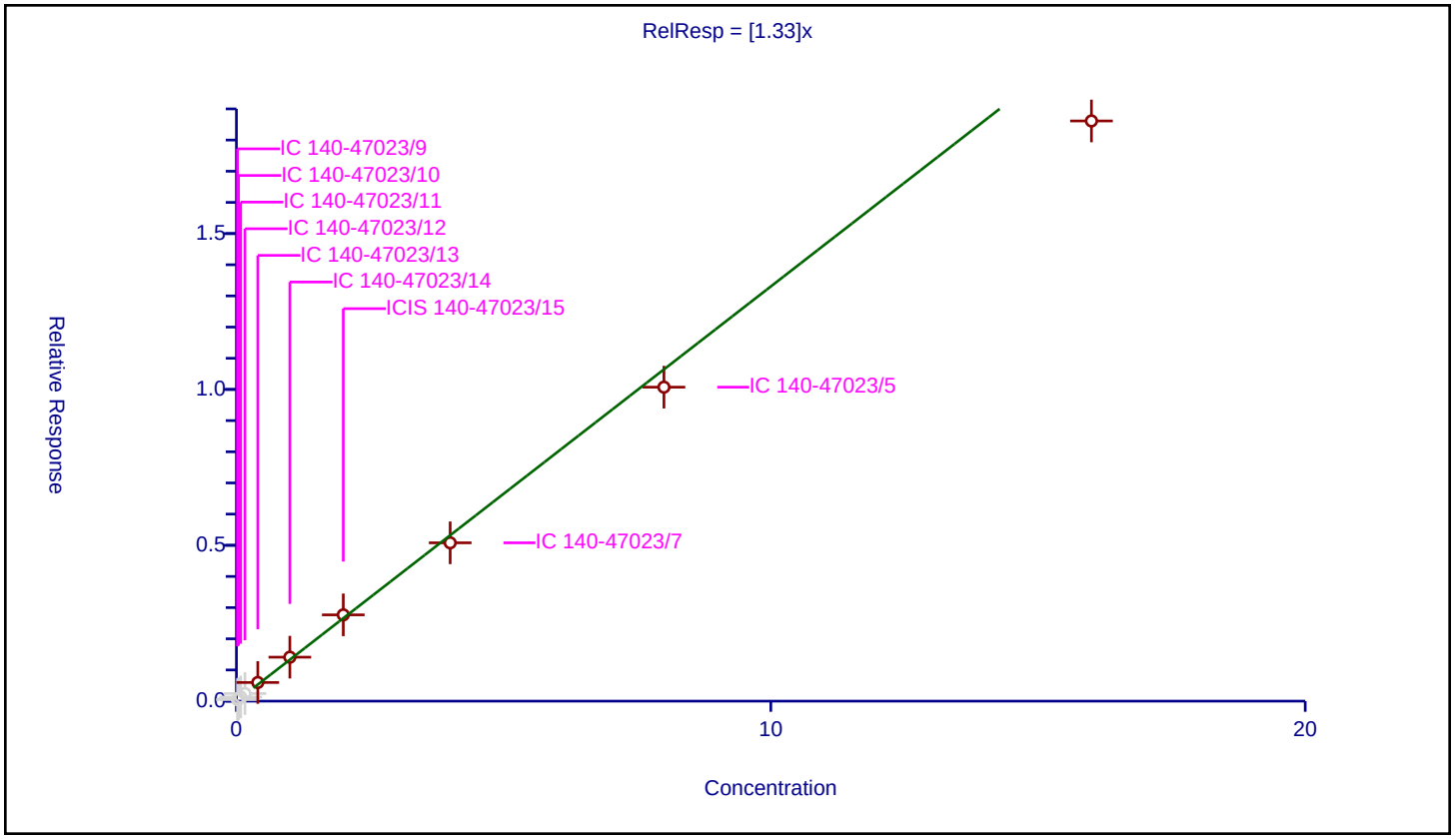
Curve Coefficients

Intercept:	0
Slope:	1.33

Error Coefficients

Standard Error:	608000
Relative Standard Error:	9.1
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.04817	4.8	322758.0	2.408492	N
2	IC 140-47023/10	0.04	0.073771	4.8	318369.0	1.844275	N
3	IC 140-47023/11	0.08	0.132982	4.8	312475.0	1.662277	N
4	IC 140-47023/12	0.16	0.243881	4.8	312605.0	1.524256	N
5	IC 140-47023/13	0.4	0.59826	4.8	305245.0	1.495651	Y
6	IC 140-47023/14	1.0	1.409955	4.8	311833.0	1.409955	Y
7	ICIS 140-47023/15	2.0	2.76806	4.8	317348.0	1.38403	Y
8	IC 140-47023/7	4.0	5.079302	4.8	322730.0	1.269826	Y
9	IC 140-47023/5	8.0	10.072421	4.8	323701.0	1.259053	Y
10	IC 140-47023/3	16.0	18.613231	4.8	285381.0	1.163327	Y



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

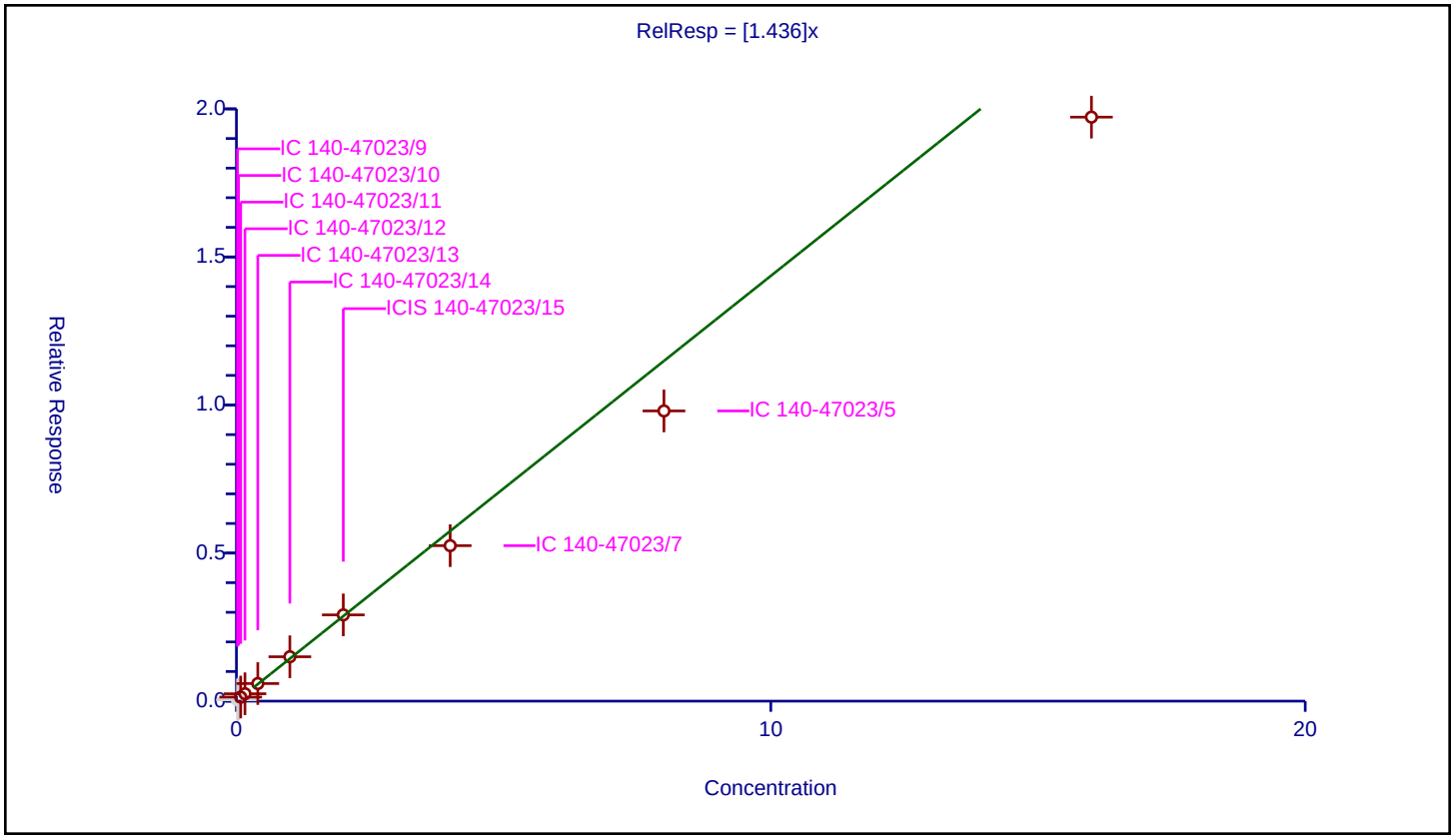
Curve Coefficients

Intercept:	0
Slope:	1.436

Error Coefficients

Standard Error:	532000
Relative Standard Error:	11.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.042474	4.8	322758.0	2.123696	N
2	IC 140-47023/10	0.04	0.077073	4.8	318369.0	1.926821	N
3	IC 140-47023/11	0.08	0.137375	4.8	312475.0	1.717193	Y
4	IC 140-47023/12	0.16	0.249839	4.8	312605.0	1.561491	Y
5	IC 140-47023/13	0.4	0.59381	4.8	305245.0	1.484526	Y
6	IC 140-47023/14	1.0	1.498648	4.8	311833.0	1.498648	Y
7	ICIS 140-47023/15	2.0	2.91287	4.8	317348.0	1.456435	Y
8	IC 140-47023/7	4.0	5.250224	4.8	322730.0	1.312556	Y
9	IC 140-47023/5	8.0	9.80063	4.8	323701.0	1.225079	Y
10	IC 140-47023/3	16.0	19.7223	4.8	285381.0	1.232644	Y



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

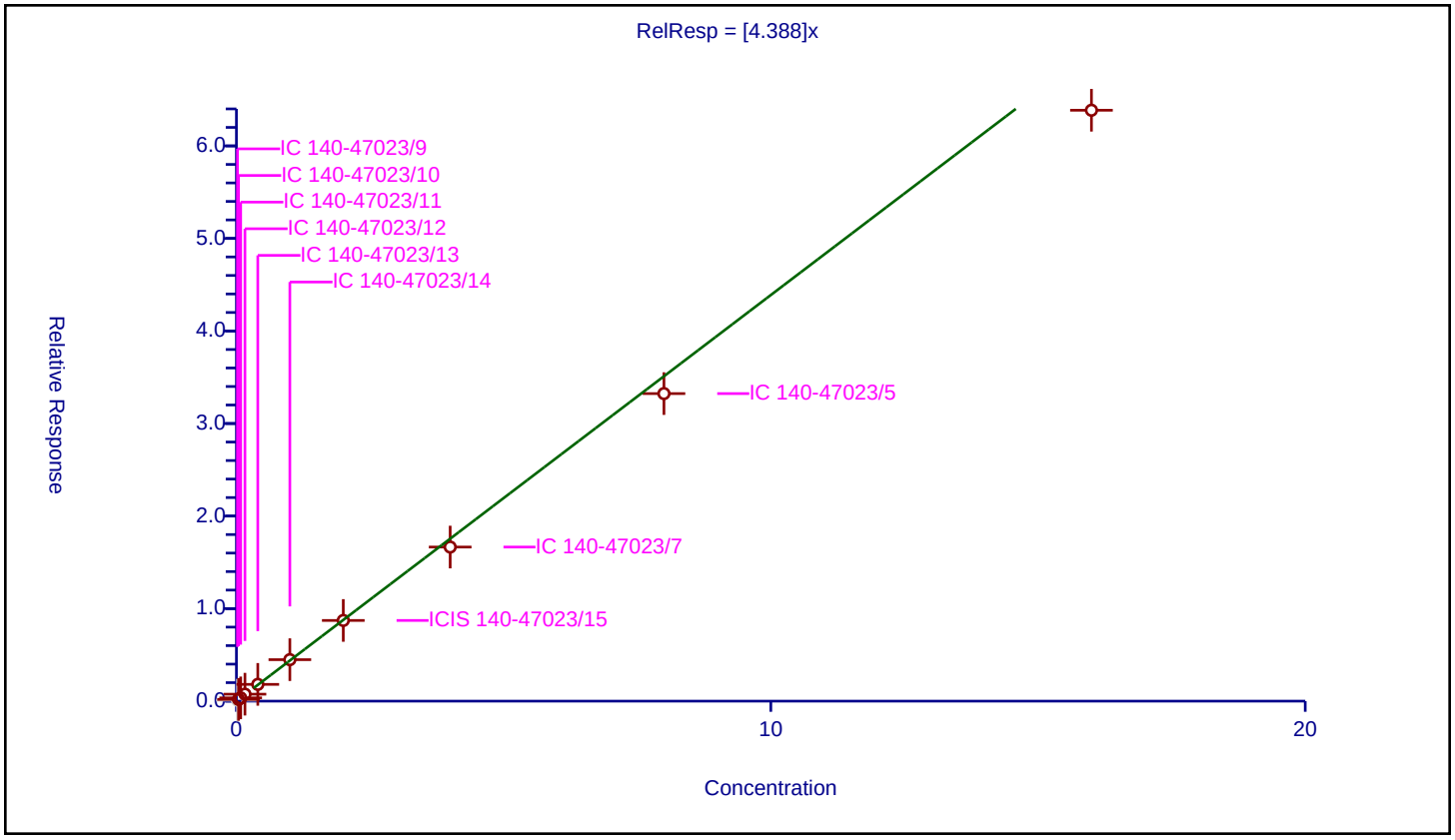
Curve Coefficients

Intercept:	0
Slope:	4.388

Error Coefficients

Standard Error:	1620000
Relative Standard Error:	5.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.103924	4.8	322758.0	5.196215	N
2	IC 140-47023/10	0.04	0.187058	4.8	318369.0	4.67646	Y
3	IC 140-47023/11	0.08	0.353984	4.8	312475.0	4.424802	Y
4	IC 140-47023/12	0.16	0.753969	4.8	312605.0	4.712305	Y
5	IC 140-47023/13	0.4	1.812142	4.8	305245.0	4.530354	Y
6	IC 140-47023/14	1.0	4.483846	4.8	311833.0	4.483846	Y
7	ICIS 140-47023/15	2.0	8.718918	4.8	317348.0	4.359459	Y
8	IC 140-47023/7	4.0	16.651685	4.8	322730.0	4.162921	Y
9	IC 140-47023/5	8.0	33.234922	4.8	323701.0	4.154365	Y
10	IC 140-47023/3	16.0	63.852021	4.8	285381.0	3.990751	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

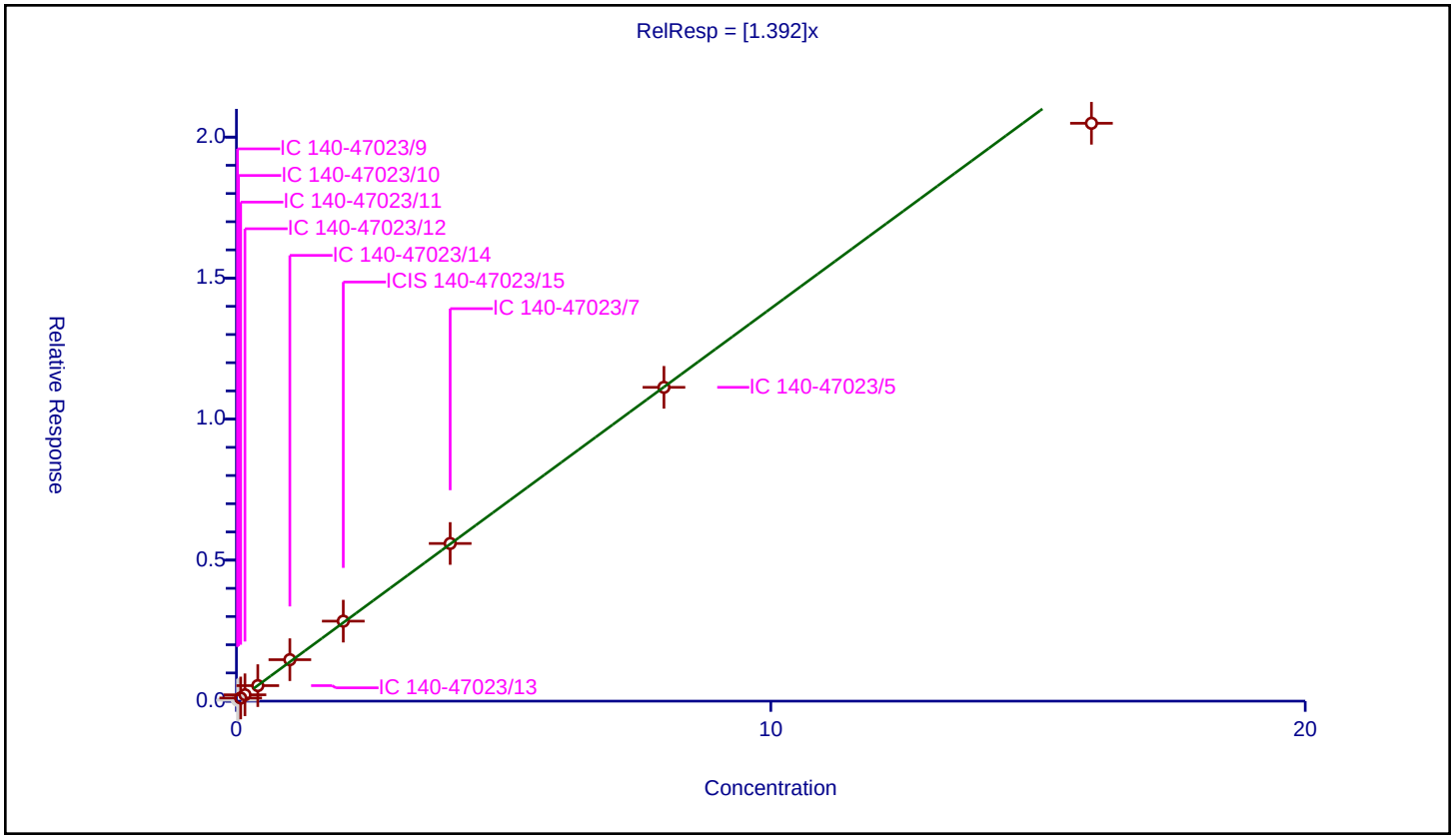
Curve Coefficients

Intercept:	0
Slope:	1.392

Error Coefficients

Standard Error:	565000
Relative Standard Error:	3.8
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.033298	4.8	322758.0	1.664901	N
2	IC 140-47023/10	0.04	0.063262	4.8	318369.0	1.581561	N
3	IC 140-47023/11	0.08	0.111845	4.8	312475.0	1.398064	Y
4	IC 140-47023/12	0.16	0.22544	4.8	312605.0	1.408999	Y
5	IC 140-47023/13	0.4	0.549874	4.8	305245.0	1.374686	Y
6	IC 140-47023/14	1.0	1.469848	4.8	311833.0	1.469848	Y
7	ICIS 140-47023/15	2.0	2.836382	4.8	317348.0	1.418191	Y
8	IC 140-47023/7	4.0	5.589956	4.8	322730.0	1.397489	Y
9	IC 140-47023/5	8.0	11.127587	4.8	323701.0	1.390948	Y
10	IC 140-47023/3	16.0	20.489846	4.8	285381.0	1.280615	Y



Calibration / 2-Methylpentane

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

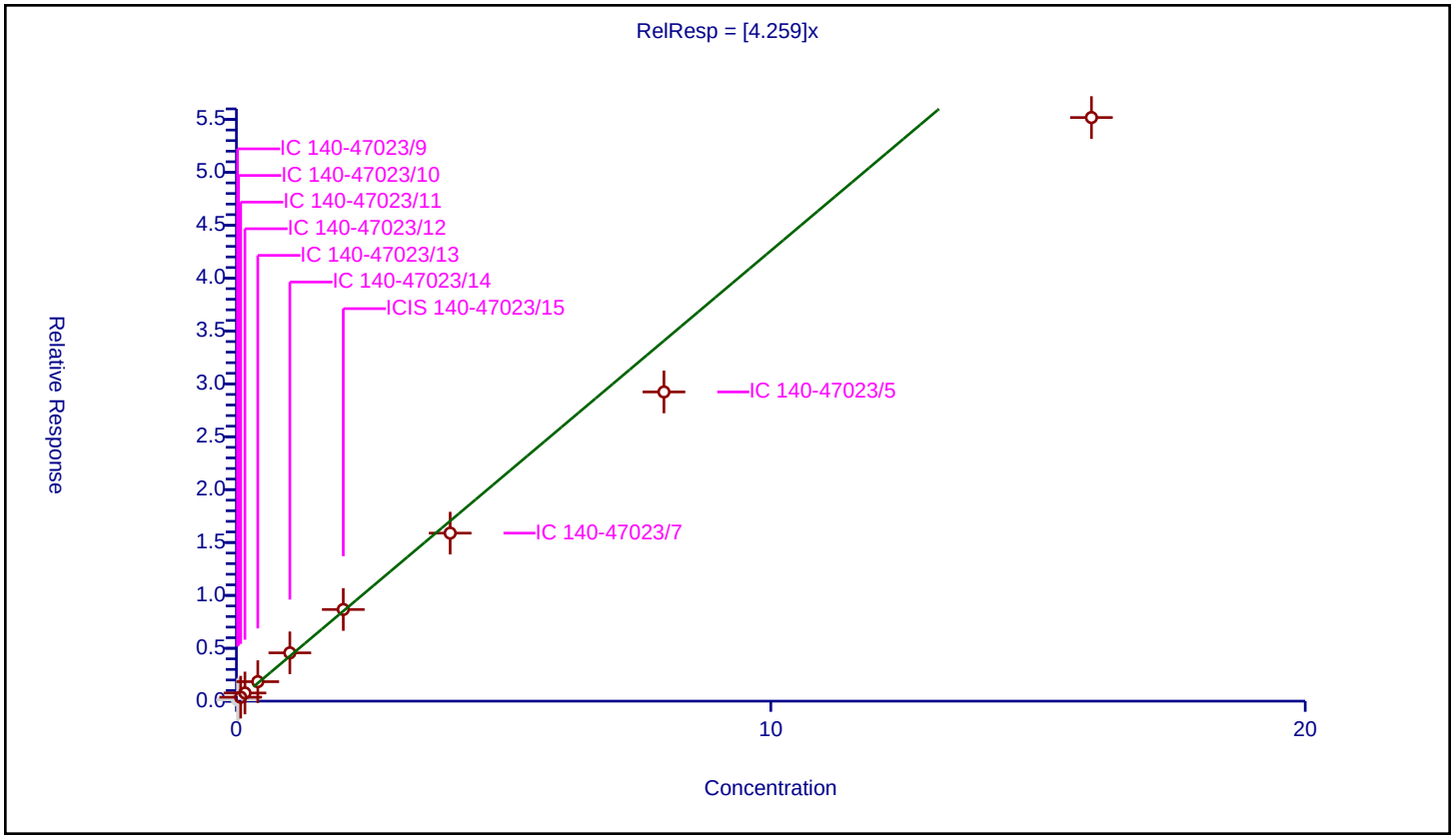
Curve Coefficients

Intercept:	0
Slope:	4.259

Error Coefficients

Standard Error:	1520000
Relative Standard Error:	11.9
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.119778	4.8	322758.0	5.988883	N
2	IC 140-47023/10	0.04	0.212493	4.8	318369.0	5.312326	N
3	IC 140-47023/11	0.08	0.373862	4.8	312475.0	4.67327	Y
4	IC 140-47023/12	0.16	0.771089	4.8	312605.0	4.819309	Y
5	IC 140-47023/13	0.4	1.841438	4.8	305245.0	4.603594	Y
6	IC 140-47023/14	1.0	4.567968	4.8	311833.0	4.567968	Y
7	ICIS 140-47023/15	2.0	8.665949	4.8	317348.0	4.332975	Y
8	IC 140-47023/7	4.0	15.888234	4.8	322730.0	3.972058	Y
9	IC 140-47023/5	8.0	29.236254	4.8	323701.0	3.654532	Y
10	IC 140-47023/3	16.0	55.182281	4.8	285381.0	3.448893	Y



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

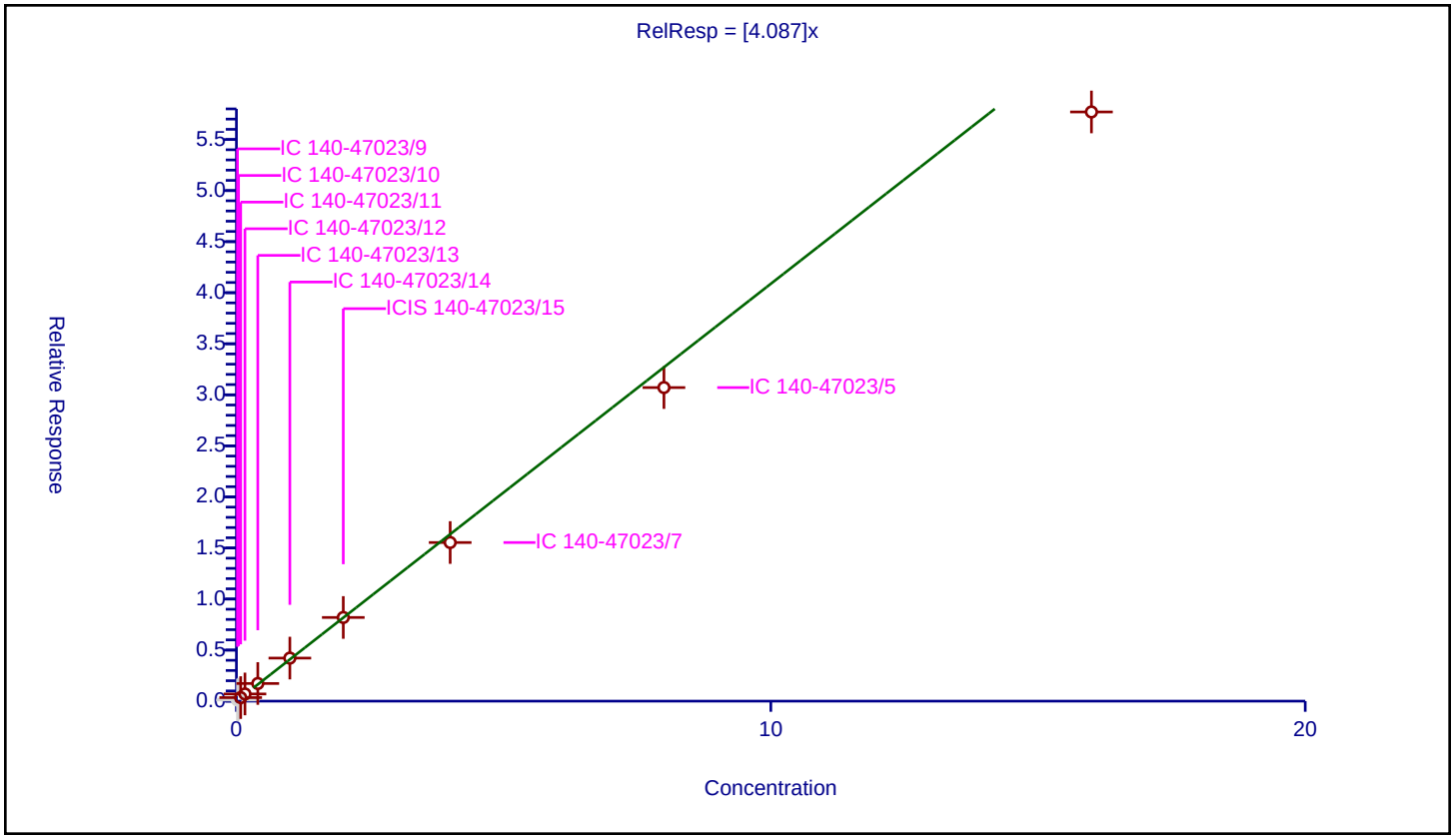
Curve Coefficients

Intercept:	0
Slope:	4.087

Error Coefficients

Standard Error:	1580000
Relative Standard Error:	6.9
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.107553	4.8	322758.0	5.377651	N
2	IC 140-47023/10	0.04	0.184345	4.8	318369.0	4.608615	N
3	IC 140-47023/11	0.08	0.347133	4.8	312475.0	4.339163	Y
4	IC 140-47023/12	0.16	0.703436	4.8	312605.0	4.396475	Y
5	IC 140-47023/13	0.4	1.727855	4.8	305245.0	4.319638	Y
6	IC 140-47023/14	1.0	4.216395	4.8	311833.0	4.216395	Y
7	ICIS 140-47023/15	2.0	8.192994	4.8	317348.0	4.096497	Y
8	IC 140-47023/7	4.0	15.535146	4.8	322730.0	3.883786	Y
9	IC 140-47023/5	8.0	30.709377	4.8	323701.0	3.838672	Y
10	IC 140-47023/3	16.0	57.701187	4.8	285381.0	3.606324	Y



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

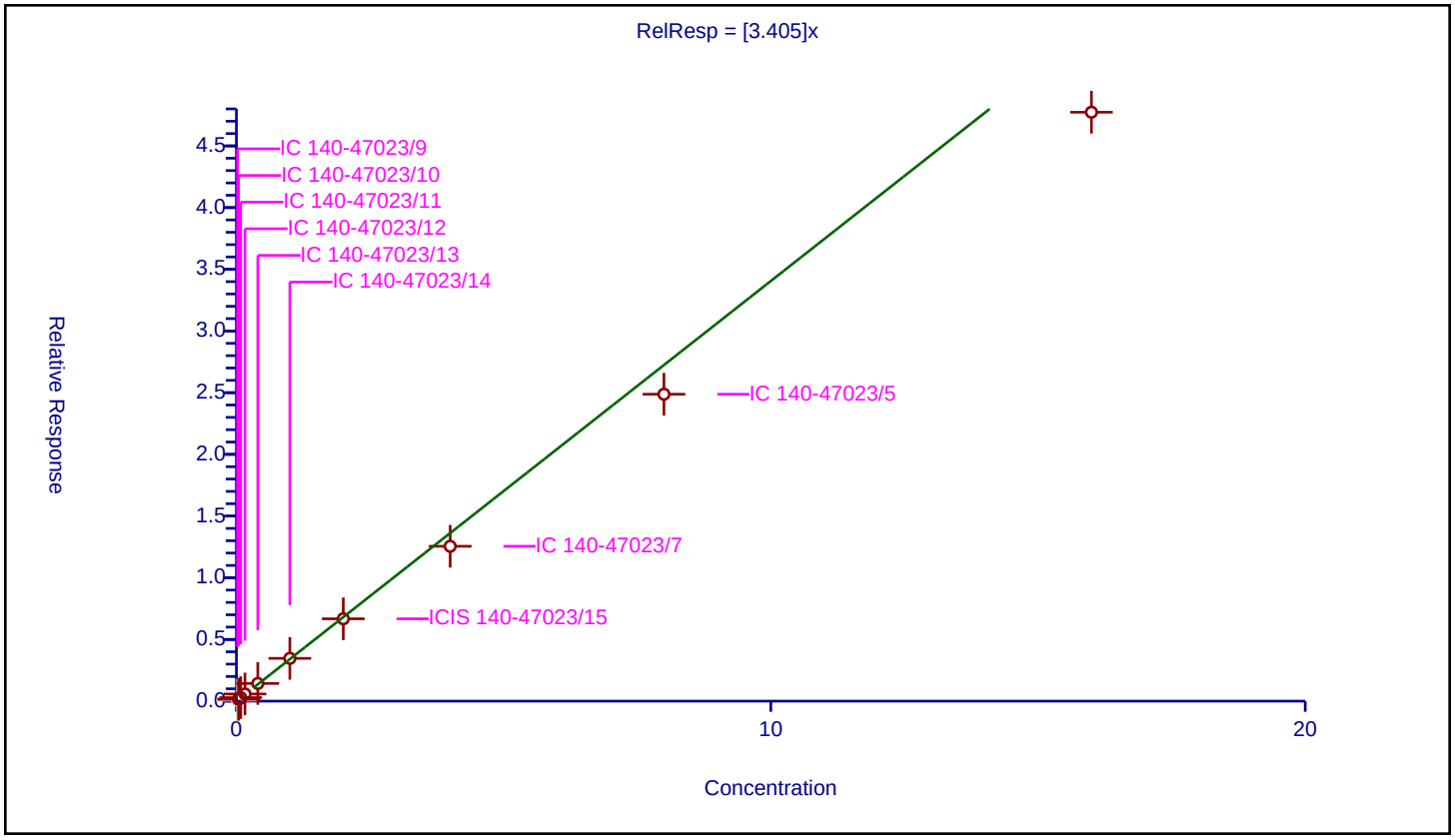
Curve Coefficients

Intercept:	0
Slope:	3.405

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	8.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.083476	4.8	322758.0	4.173777	N
2	IC 140-47023/10	0.04	0.154583	4.8	318369.0	3.864572	Y
3	IC 140-47023/11	0.08	0.283031	4.8	312475.0	3.537883	Y
4	IC 140-47023/12	0.16	0.580091	4.8	312605.0	3.625566	Y
5	IC 140-47023/13	0.4	1.432649	4.8	305245.0	3.581621	Y
6	IC 140-47023/14	1.0	3.467979	4.8	311833.0	3.467979	Y
7	ICIS 140-47023/15	2.0	6.673335	4.8	317348.0	3.336668	Y
8	IC 140-47023/7	4.0	12.551257	4.8	322730.0	3.137814	Y
9	IC 140-47023/5	8.0	24.874318	4.8	323701.0	3.10929	Y
10	IC 140-47023/3	16.0	47.73097	4.8	285381.0	2.983186	Y



Calibration / Vinyl acetate

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

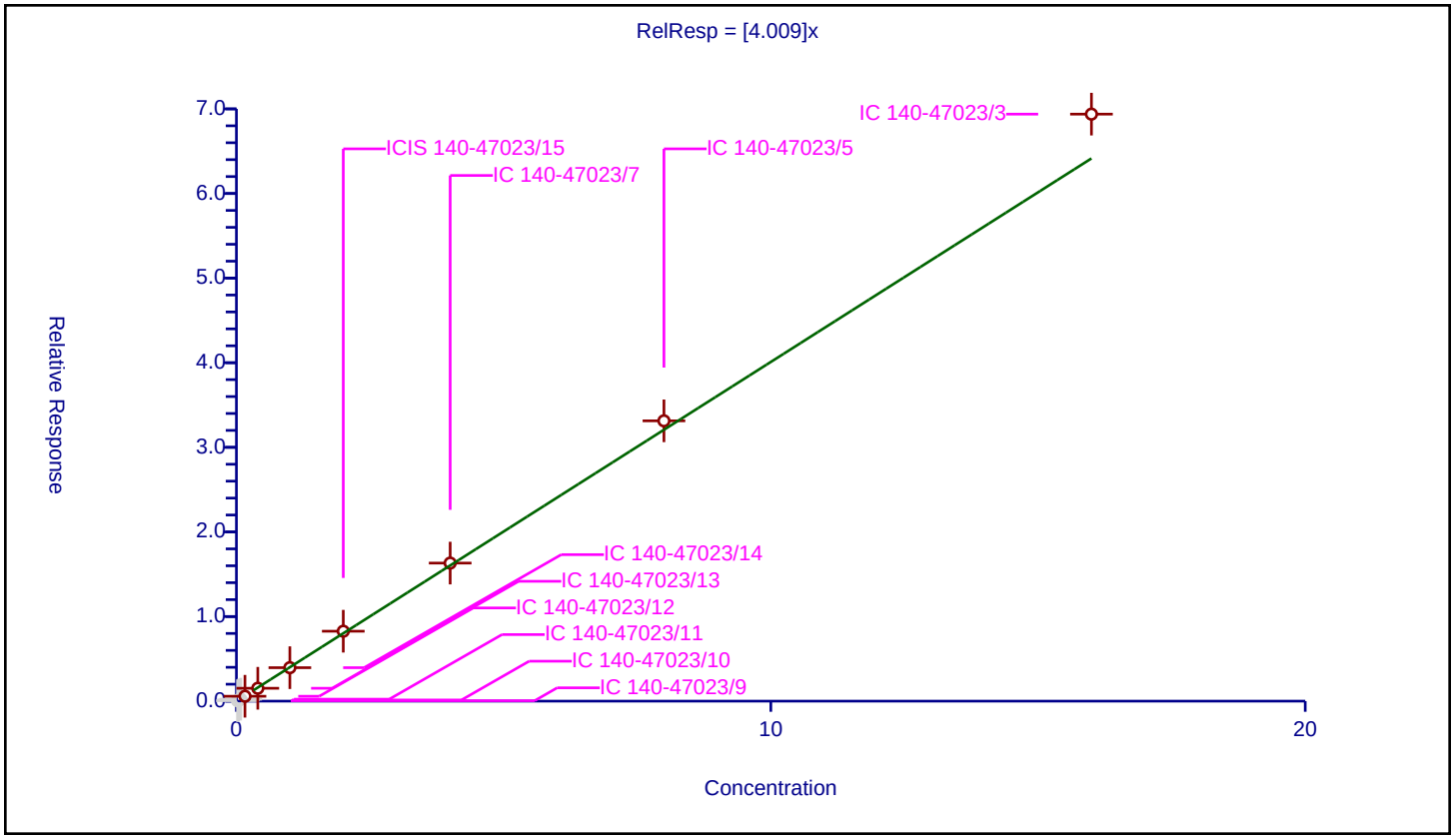
Curve Coefficients

Intercept:	0
Slope:	4.009

Error Coefficients

Standard Error:	1980000
Relative Standard Error:	6.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.053092	4.8	322758.0	2.65462	N
2	IC 140-47023/10	0.04	0.13542	4.8	318369.0	3.385505	N
3	IC 140-47023/11	0.08	0.231325	4.8	312475.0	2.891559	N
4	IC 140-47023/12	0.16	0.577664	4.8	312605.0	3.610403	Y
5	IC 140-47023/13	0.4	1.523382	4.8	305245.0	3.808456	Y
6	IC 140-47023/14	1.0	3.955717	4.8	311833.0	3.955717	Y
7	ICIS 140-47023/15	2.0	8.263796	4.8	317348.0	4.131898	Y
8	IC 140-47023/7	4.0	16.316728	4.8	322730.0	4.079182	Y
9	IC 140-47023/5	8.0	33.131449	4.8	323701.0	4.141431	Y
10	IC 140-47023/3	16.0	69.379789	4.8	285381.0	4.336237	Y



Calibration / 2-Butanone (MEK)

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

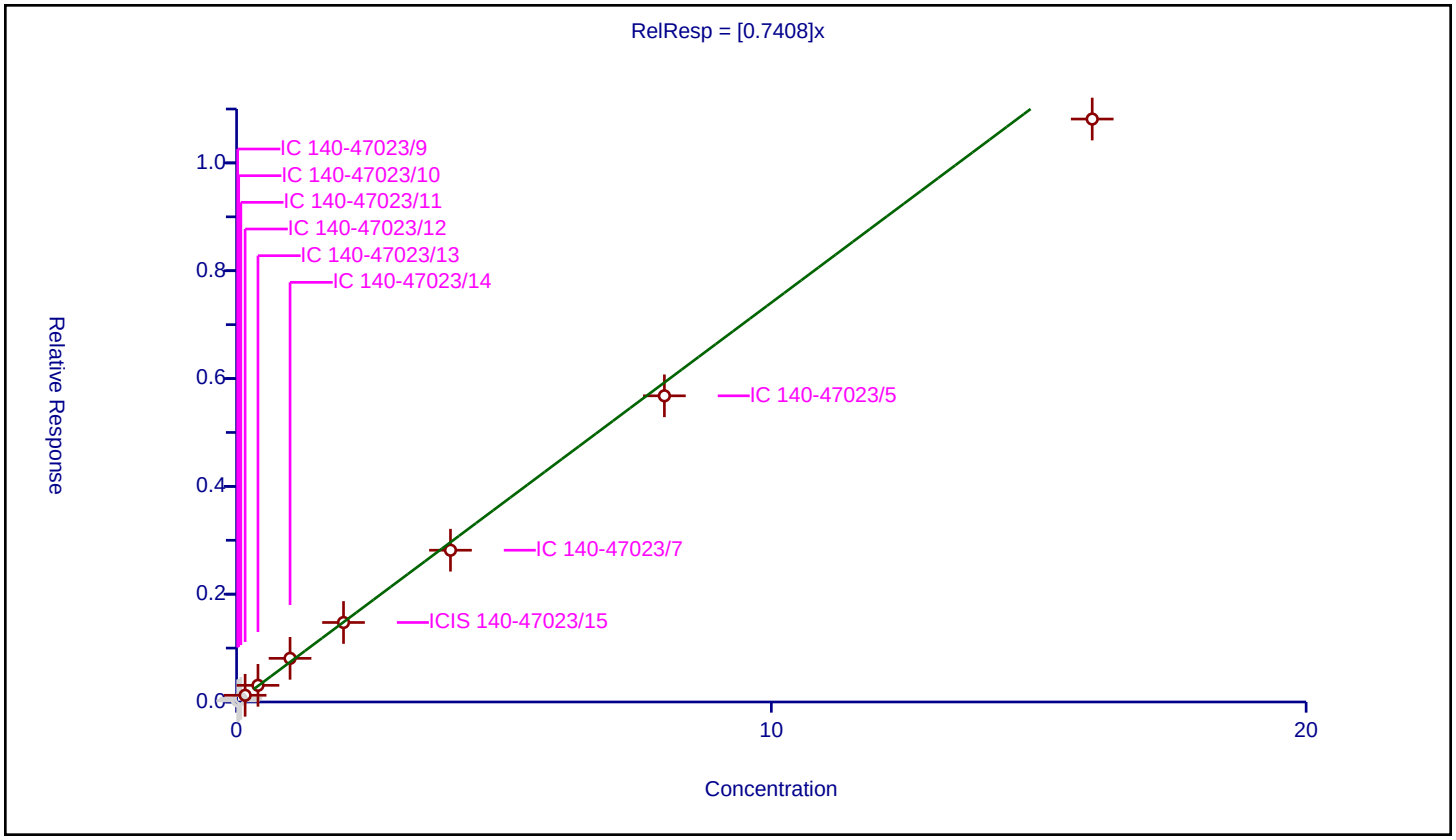
Curve Coefficients

Intercept:	0
Slope:	0.7408

Error Coefficients

Standard Error:	318000
Relative Standard Error:	6.4
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.020122	4.8	322758.0	1.006079	N
2	IC 140-47023/10	0.04	0.03234	4.8	318369.0	0.808496	N
3	IC 140-47023/11	0.08	0.066698	4.8	312475.0	0.833731	N
4	IC 140-47023/12	0.16	0.124374	4.8	312605.0	0.777339	Y
5	IC 140-47023/13	0.4	0.308793	4.8	305245.0	0.771983	Y
6	IC 140-47023/14	1.0	0.809387	4.8	311833.0	0.809387	Y
7	ICIS 140-47023/15	2.0	1.474646	4.8	317348.0	0.737323	Y
8	IC 140-47023/7	4.0	2.815644	4.8	322730.0	0.703911	Y
9	IC 140-47023/5	8.0	5.679612	4.8	323701.0	0.709951	Y
10	IC 140-47023/3	16.0	10.813906	4.8	285381.0	0.675869	Y



Calibration / Hexane

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

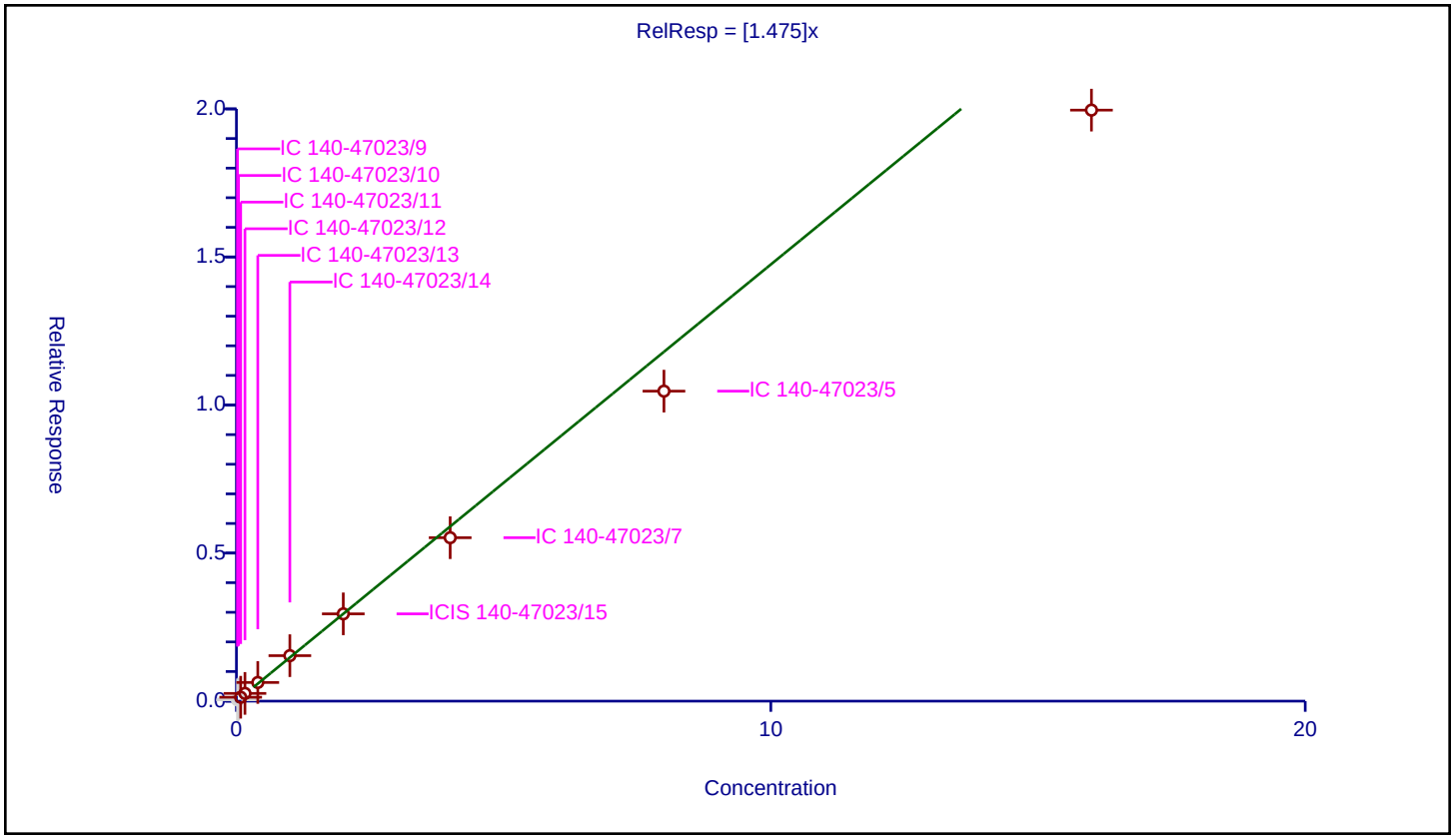
Curve Coefficients

Intercept:	0
Slope:	1.475

Error Coefficients

Standard Error:	547000
Relative Standard Error:	10.1
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.042935	4.8	322758.0	2.146748	N
2	IC 140-47023/10	0.04	0.068268	4.8	318369.0	1.706699	N
3	IC 140-47023/11	0.08	0.131538	4.8	312475.0	1.644228	Y
4	IC 140-47023/12	0.16	0.26117	4.8	312605.0	1.632316	Y
5	IC 140-47023/13	0.4	0.629758	4.8	305245.0	1.574394	Y
6	IC 140-47023/14	1.0	1.535837	4.8	311833.0	1.535837	Y
7	ICIS 140-47023/15	2.0	2.948007	4.8	317348.0	1.474003	Y
8	IC 140-47023/7	4.0	5.518892	4.8	322730.0	1.379723	Y
9	IC 140-47023/5	8.0	10.469232	4.8	323701.0	1.308654	Y
10	IC 140-47023/3	16.0	19.958464	4.8	285381.0	1.247404	Y



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

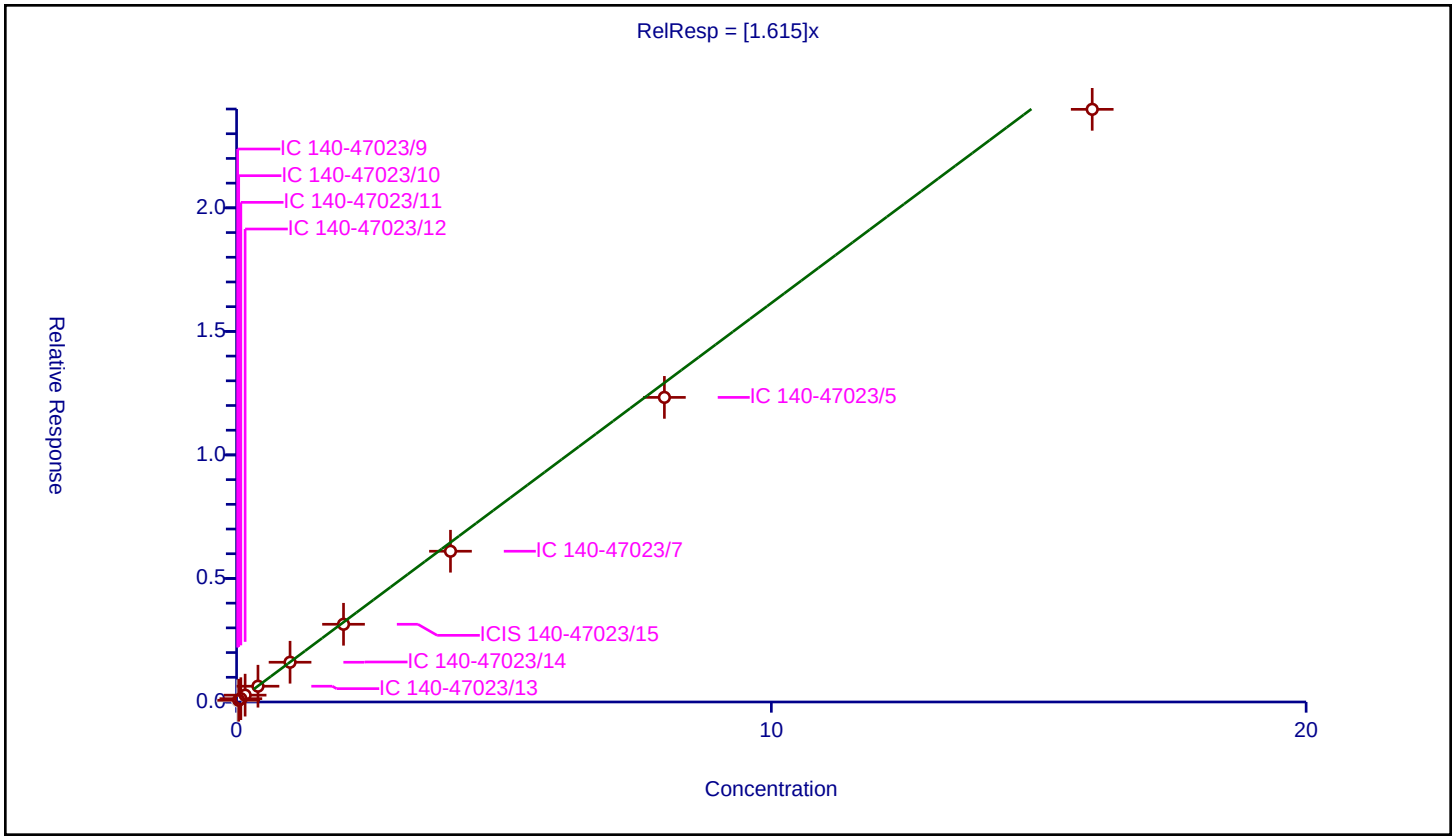
Curve Coefficients

Intercept:	0
Slope:	1.615

Error Coefficients

Standard Error:	607000
Relative Standard Error:	5.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.043322	4.8	322758.0	2.166081	N
2	IC 140-47023/10	0.04	0.071148	4.8	318369.0	1.778691	Y
3	IC 140-47023/11	0.08	0.134564	4.8	312475.0	1.682055	Y
4	IC 140-47023/12	0.16	0.276525	4.8	312605.0	1.728283	Y
5	IC 140-47023/13	0.4	0.638532	4.8	305245.0	1.596331	Y
6	IC 140-47023/14	1.0	1.608646	4.8	311833.0	1.608646	Y
7	ICIS 140-47023/15	2.0	3.145317	4.8	317348.0	1.572658	Y
8	IC 140-47023/7	4.0	6.101784	4.8	322730.0	1.525446	Y
9	IC 140-47023/5	8.0	12.328473	4.8	323701.0	1.541059	Y
10	IC 140-47023/3	16.0	23.987335	4.8	285381.0	1.499208	Y



Calibration / Ethyl acetate

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

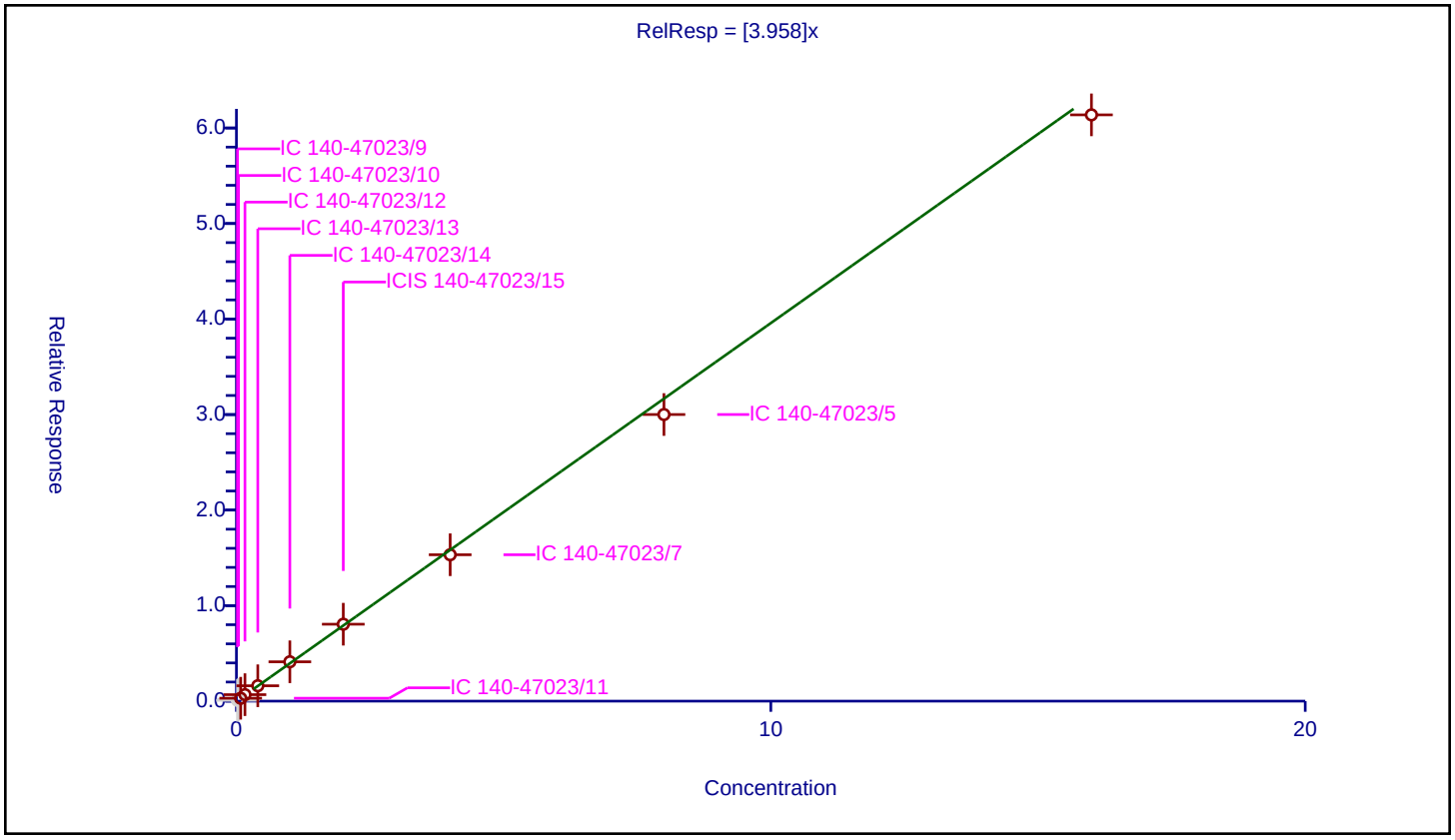
Curve Coefficients

Intercept:	0
Slope:	3.958

Error Coefficients

Standard Error:	1640000
Relative Standard Error:	4.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.086004	4.8	322758.0	4.300188	N
2	IC 140-47023/10	0.04	0.177635	4.8	318369.0	4.440885	N
3	IC 140-47023/11	0.08	0.306487	4.8	312475.0	3.83109	Y
4	IC 140-47023/12	0.16	0.677809	4.8	312605.0	4.236305	Y
5	IC 140-47023/13	0.4	1.611458	4.8	305245.0	4.028646	Y
6	IC 140-47023/14	1.0	4.120559	4.8	311833.0	4.120559	Y
7	ICIS 140-47023/15	2.0	8.053947	4.8	317348.0	4.026974	Y
8	IC 140-47023/7	4.0	15.326461	4.8	322730.0	3.831615	Y
9	IC 140-47023/5	8.0	30.004712	4.8	323701.0	3.750589	Y
10	IC 140-47023/3	16.0	61.375567	4.8	285381.0	3.835973	Y



Calibration / Chloroform

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

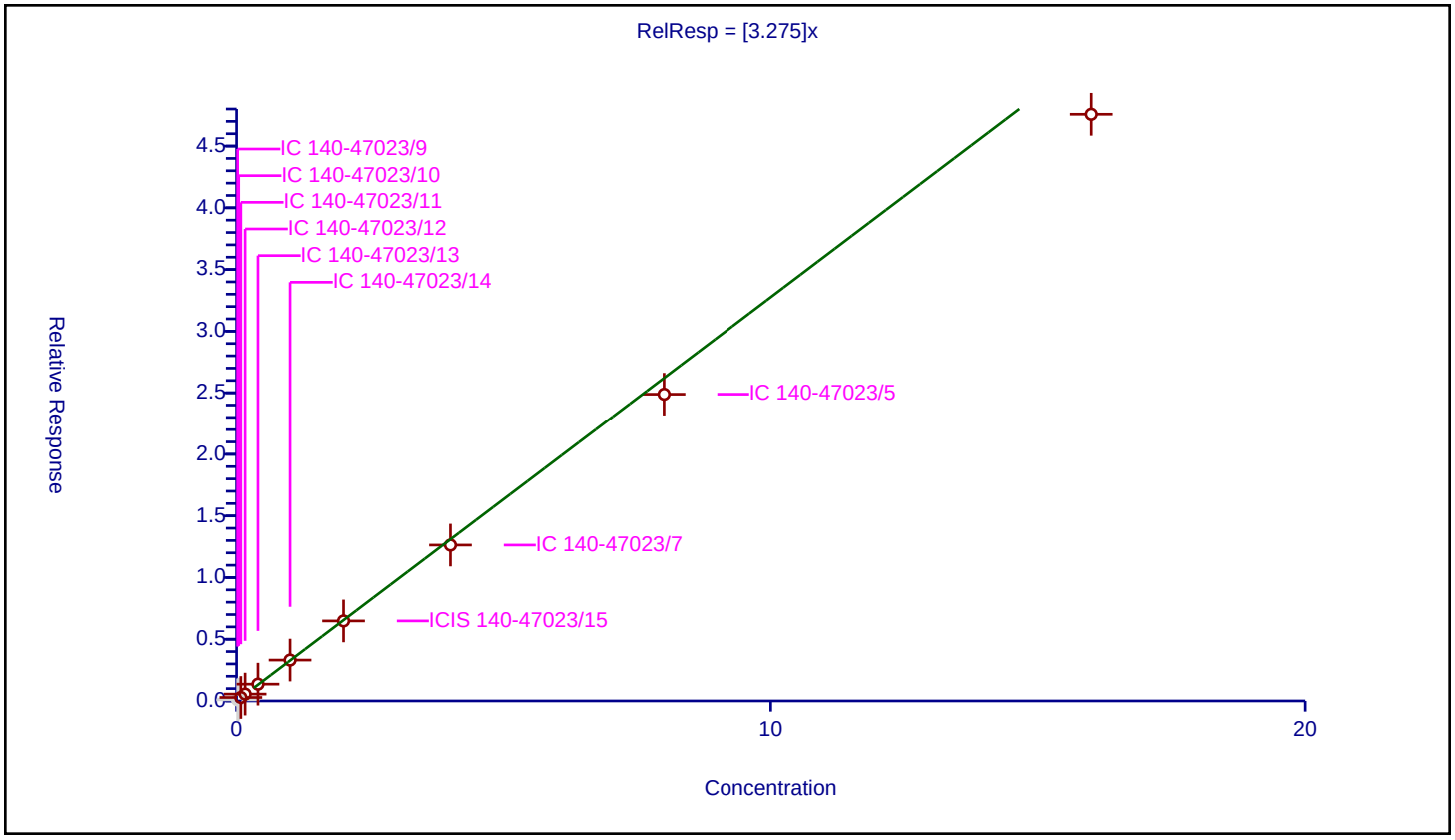
Curve Coefficients

Intercept:	0
Slope:	3.275

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	5.8
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.08697	4.8	322758.0	4.348521	N
2	IC 140-47023/10	0.04	0.148236	4.8	318369.0	3.705888	N
3	IC 140-47023/11	0.08	0.282677	4.8	312475.0	3.533467	Y
4	IC 140-47023/12	0.16	0.555108	4.8	312605.0	3.469426	Y
5	IC 140-47023/13	0.4	1.360596	4.8	305245.0	3.401491	Y
6	IC 140-47023/14	1.0	3.312588	4.8	311833.0	3.312588	Y
7	ICIS 140-47023/15	2.0	6.483754	4.8	317348.0	3.241877	Y
8	IC 140-47023/7	4.0	12.633178	4.8	322730.0	3.158295	Y
9	IC 140-47023/5	8.0	24.882978	4.8	323701.0	3.110372	Y
10	IC 140-47023/3	16.0	47.572294	4.8	285381.0	2.973268	Y



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

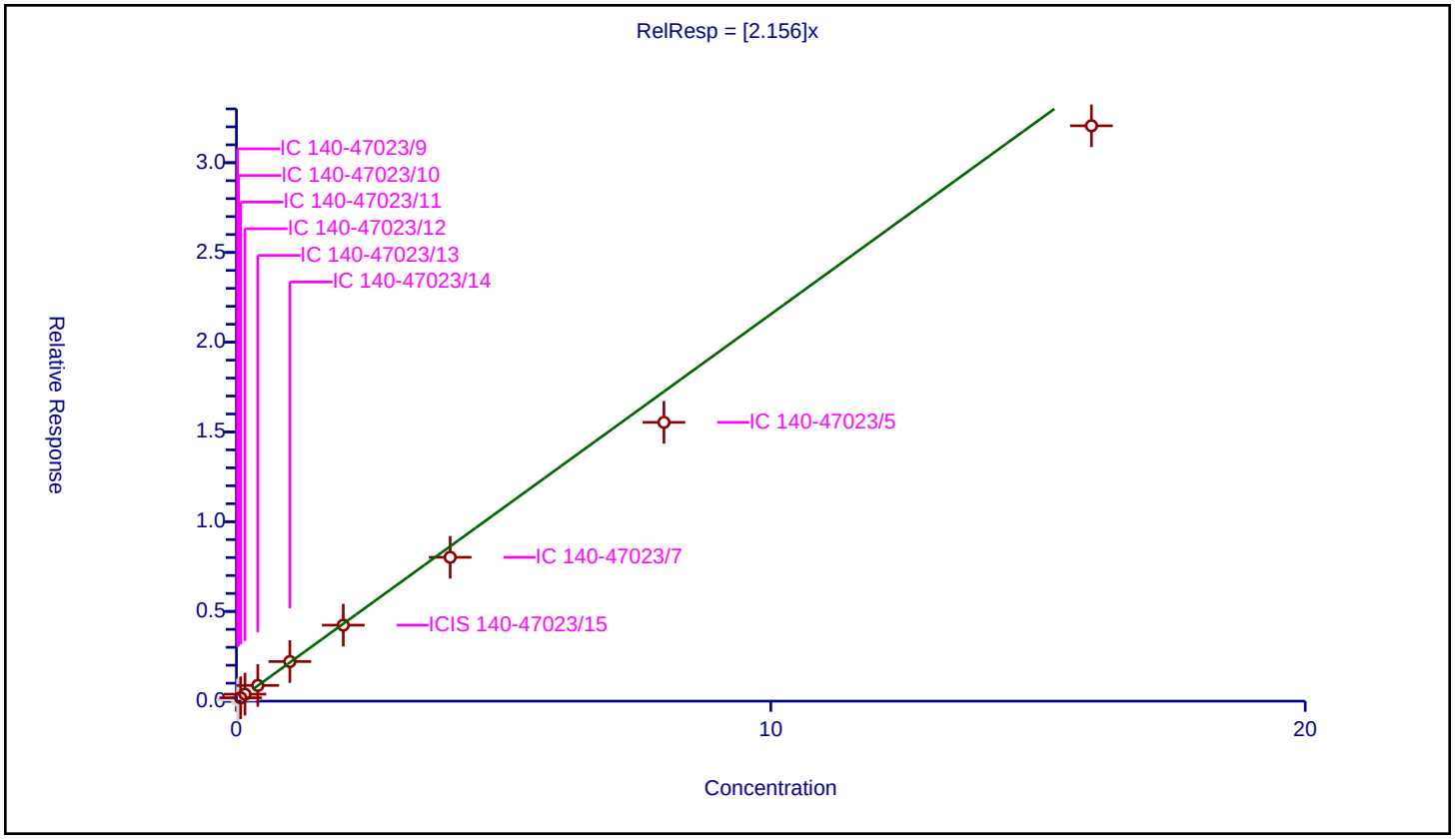
Curve Coefficients

Intercept:	0
Slope:	2.156

Error Coefficients

Standard Error:	855000
Relative Standard Error:	8.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.063205	4.8	322758.0	3.160262	N
2	IC 140-47023/10	0.04	0.107302	4.8	318369.0	2.682548	N
3	IC 140-47023/11	0.08	0.189527	4.8	312475.0	2.369086	Y
4	IC 140-47023/12	0.16	0.387418	4.8	312605.0	2.421362	Y
5	IC 140-47023/13	0.4	0.874534	4.8	305245.0	2.186336	Y
6	IC 140-47023/14	1.0	2.205996	4.8	311833.0	2.205996	Y
7	ICIS 140-47023/15	2.0	4.232769	4.8	317348.0	2.116385	Y
8	IC 140-47023/7	4.0	8.014764	4.8	322730.0	2.003691	Y
9	IC 140-47023/5	8.0	15.532734	4.8	323701.0	1.941592	Y
10	IC 140-47023/3	16.0	32.057119	4.8	285381.0	2.00357	Y



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

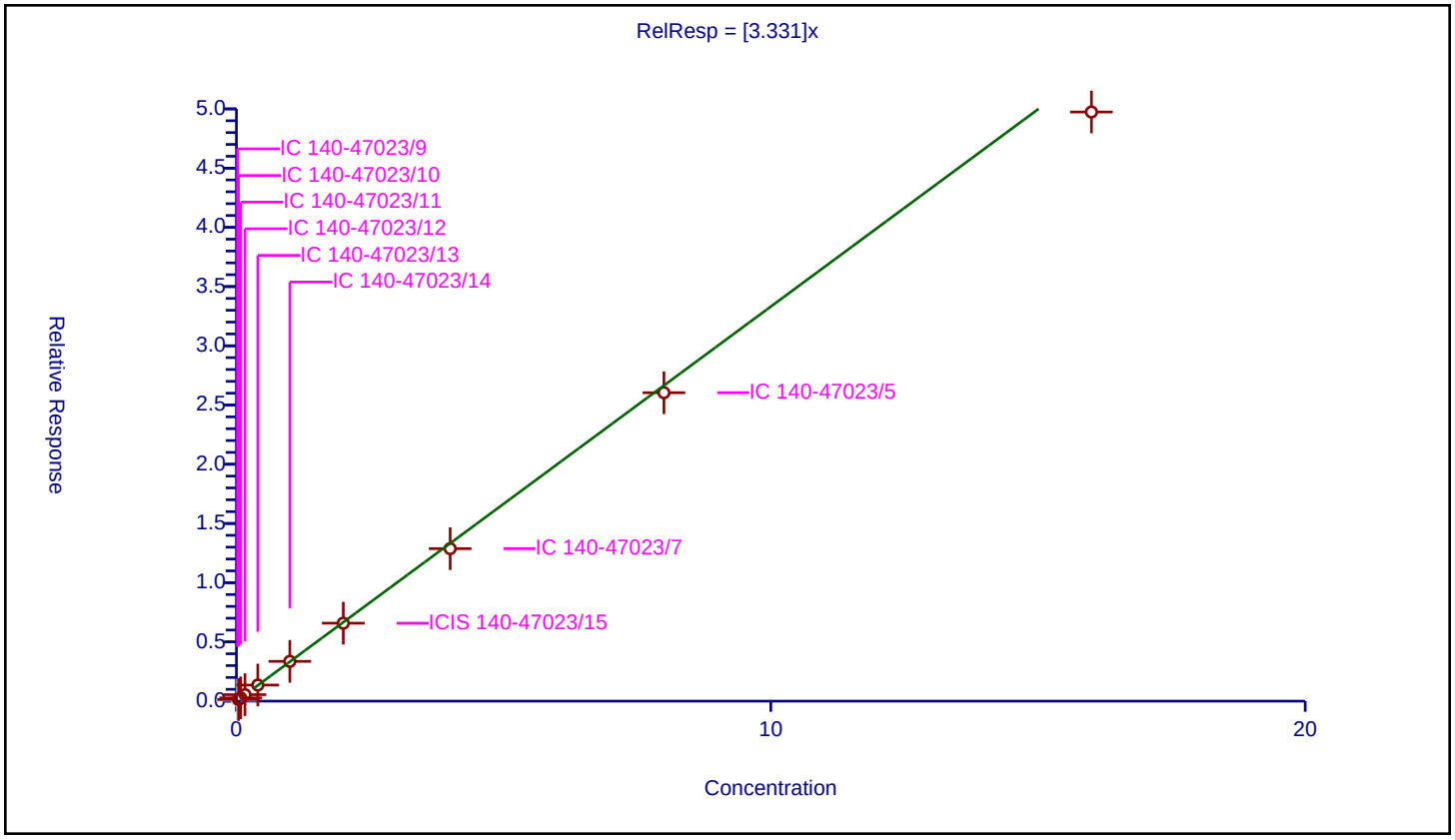
Curve Coefficients

Intercept:	0
Slope:	3.331

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	3.7
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.08242	4.8	322758.0	4.120982	N
2	IC 140-47023/10	0.04	0.139159	4.8	318369.0	3.478982	Y
3	IC 140-47023/11	0.08	0.275427	4.8	312475.0	3.442835	Y
4	IC 140-47023/12	0.16	0.54803	4.8	312605.0	3.425185	Y
5	IC 140-47023/13	0.4	1.360124	4.8	305245.0	3.400311	Y
6	IC 140-47023/14	1.0	3.358952	4.8	311833.0	3.358952	Y
7	ICIS 140-47023/15	2.0	6.581585	4.8	317348.0	3.290792	Y
8	IC 140-47023/7	4.0	12.874985	4.8	322730.0	3.218746	Y
9	IC 140-47023/5	8.0	26.040476	4.8	323701.0	3.255059	Y
10	IC 140-47023/3	16.0	49.737854	4.8	285381.0	3.108616	Y



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

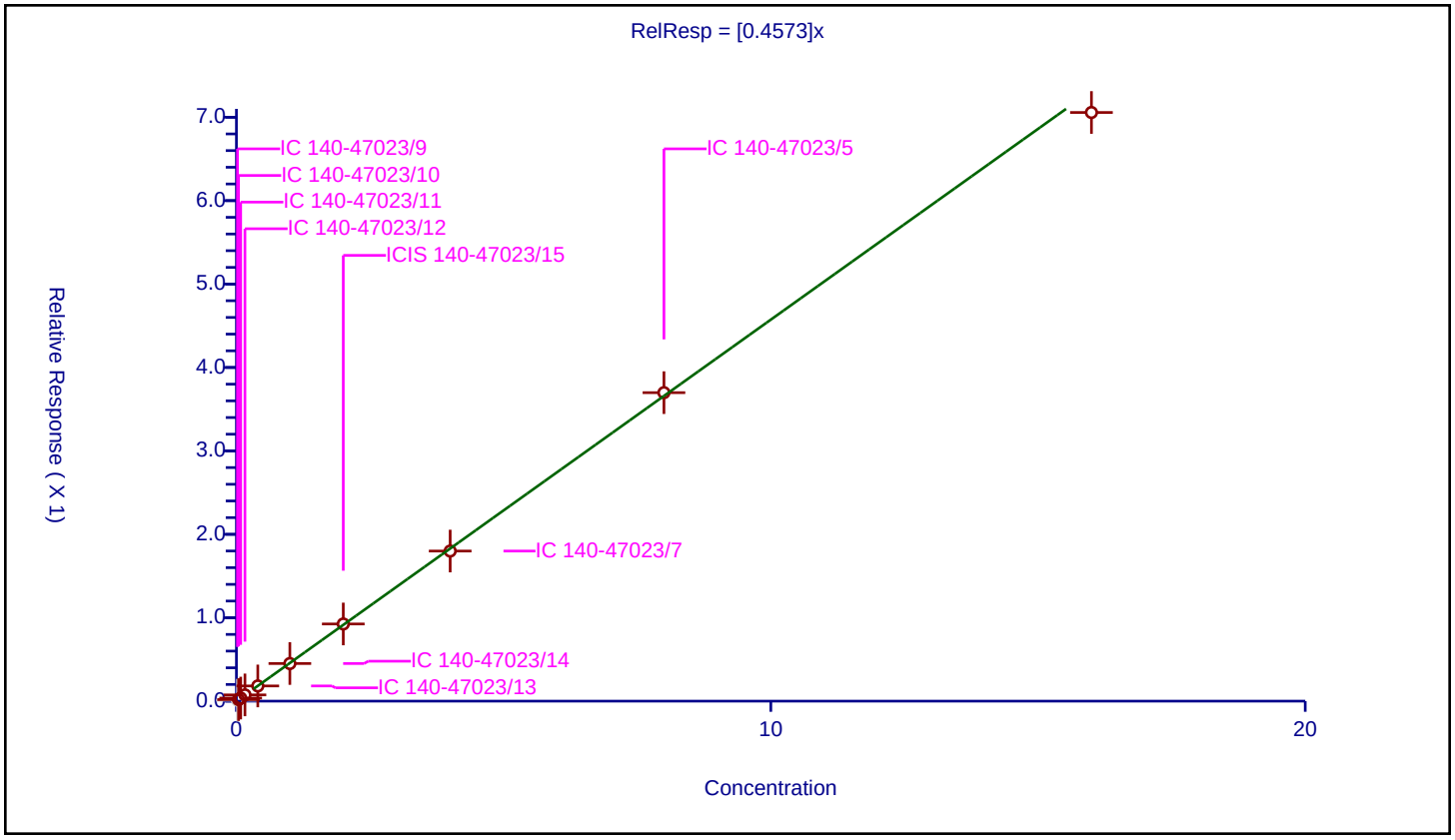
Curve Coefficients

Intercept:	0
Slope:	0.4573

Error Coefficients

Standard Error:	905000
Relative Standard Error:	1.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.011178	4.8	1678537.0	0.558915	N
2	IC 140-47023/10	0.04	0.018669	4.8	1646258.0	0.466731	Y
3	IC 140-47023/11	0.08	0.036816	4.8	1618259.0	0.460198	Y
4	IC 140-47023/12	0.16	0.074769	4.8	1625545.0	0.467308	Y
5	IC 140-47023/13	0.4	0.182023	4.8	1593346.0	0.455057	Y
6	IC 140-47023/14	1.0	0.450842	4.8	1616369.0	0.450842	Y
7	ICIS 140-47023/15	2.0	0.925224	4.8	1599046.0	0.462612	Y
8	IC 140-47023/7	4.0	1.799396	4.8	1617620.0	0.449849	Y
9	IC 140-47023/5	8.0	3.698096	4.8	1608645.0	0.462262	Y
10	IC 140-47023/3	16.0	7.056791	4.8	1448207.0	0.441049	Y



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

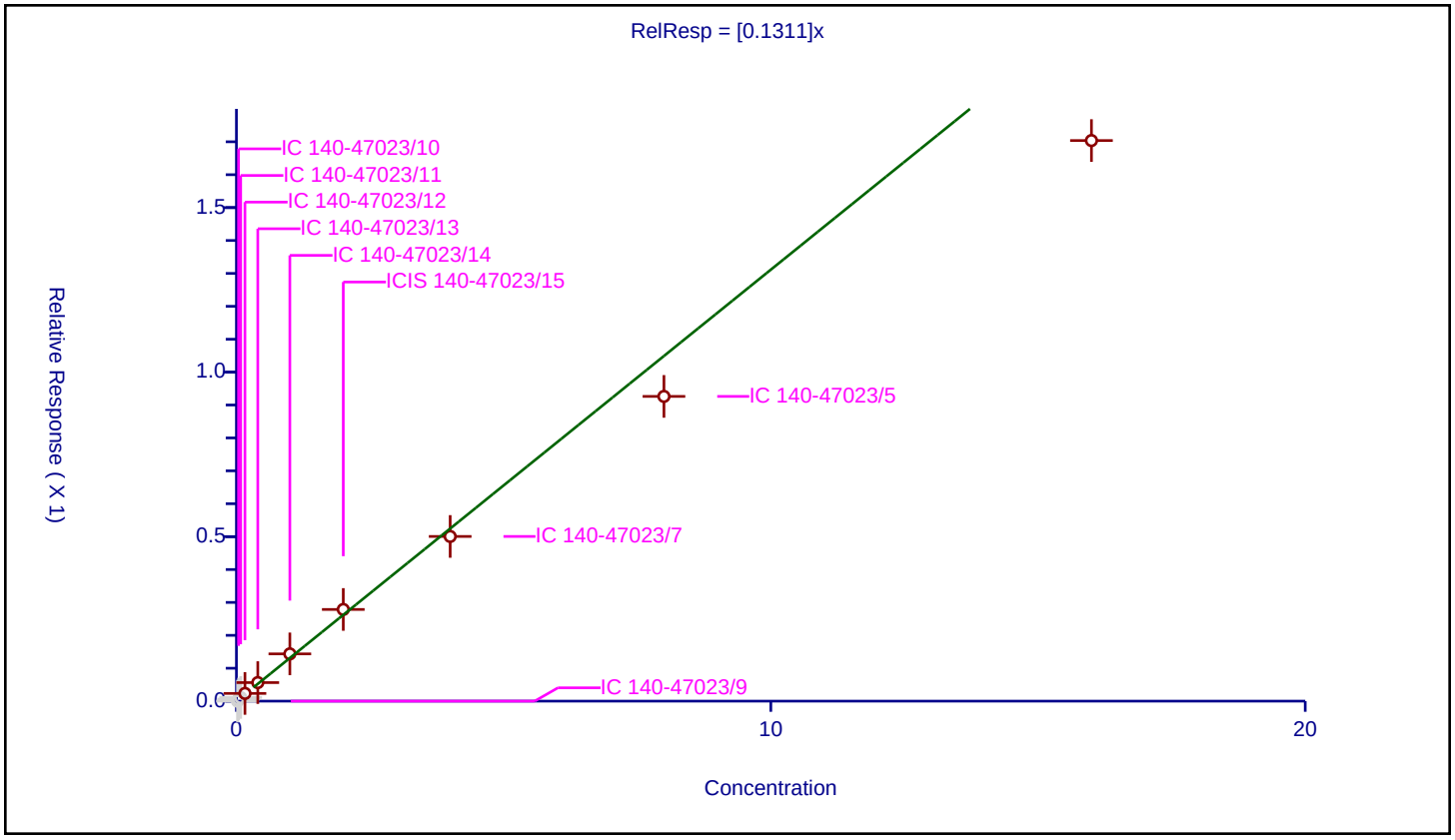
Curve Coefficients

Intercept:	0
Slope:	0.1311

Error Coefficients

Standard Error:	258000
Relative Standard Error:	11.8
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.0	4.8	1678537.0	0.0	N
2	IC 140-47023/10	0.04	0.006103	4.8	1646258.0	0.152564	N
3	IC 140-47023/11	0.08	0.01112	4.8	1618259.0	0.139001	N
4	IC 140-47023/12	0.16	0.023466	4.8	1625545.0	0.146665	Y
5	IC 140-47023/13	0.4	0.056346	4.8	1593346.0	0.140866	Y
6	IC 140-47023/14	1.0	0.143646	4.8	1616369.0	0.143646	Y
7	ICIS 140-47023/15	2.0	0.278629	4.8	1599046.0	0.139315	Y
8	IC 140-47023/7	4.0	0.500528	4.8	1617620.0	0.125132	Y
9	IC 140-47023/5	8.0	0.92613	4.8	1608645.0	0.115766	Y
10	IC 140-47023/3	16.0	1.703723	4.8	1448207.0	0.106483	Y



Calibration / Cyclohexane

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

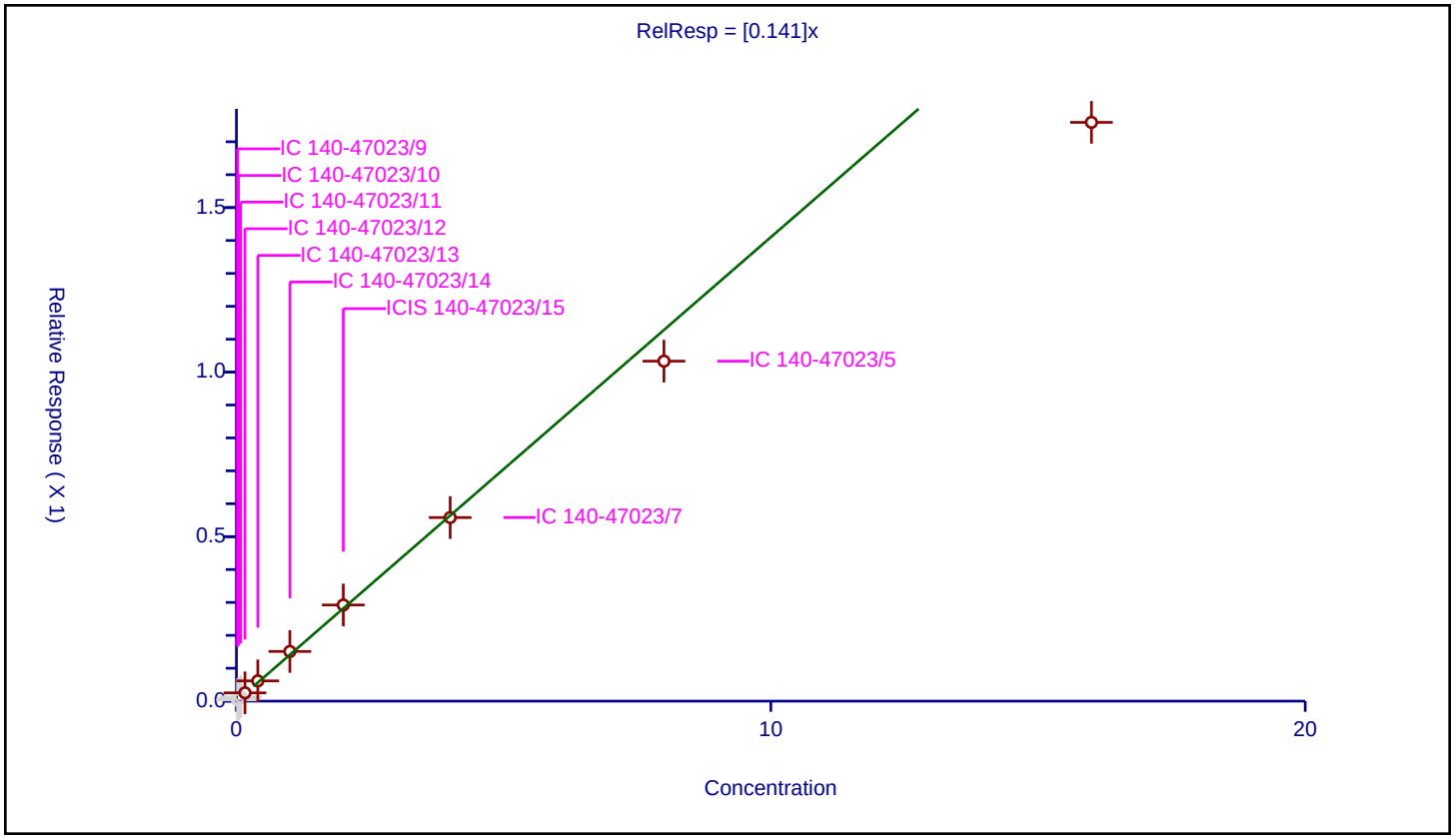
Curve Coefficients

Intercept:	0
Slope:	0.141

Error Coefficients

Standard Error:	274000
Relative Standard Error:	11.8
Correlation Coefficient:	0.976
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.003769	4.8	1678537.0	0.18845	N
2	IC 140-47023/10	0.04	0.006589	4.8	1646258.0	0.164737	N
3	IC 140-47023/11	0.08	0.012989	4.8	1618259.0	0.16236	N
4	IC 140-47023/12	0.16	0.025179	4.8	1625545.0	0.157369	Y
5	IC 140-47023/13	0.4	0.061561	4.8	1593346.0	0.153903	Y
6	IC 140-47023/14	1.0	0.151047	4.8	1616369.0	0.151047	Y
7	ICIS 140-47023/15	2.0	0.292236	4.8	1599046.0	0.146118	Y
8	IC 140-47023/7	4.0	0.558044	4.8	1617620.0	0.139511	Y
9	IC 140-47023/5	8.0	1.033302	4.8	1608645.0	0.129163	Y
10	IC 140-47023/3	16.0	1.759068	4.8	1448207.0	0.109942	Y



Calibration / Benzene

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

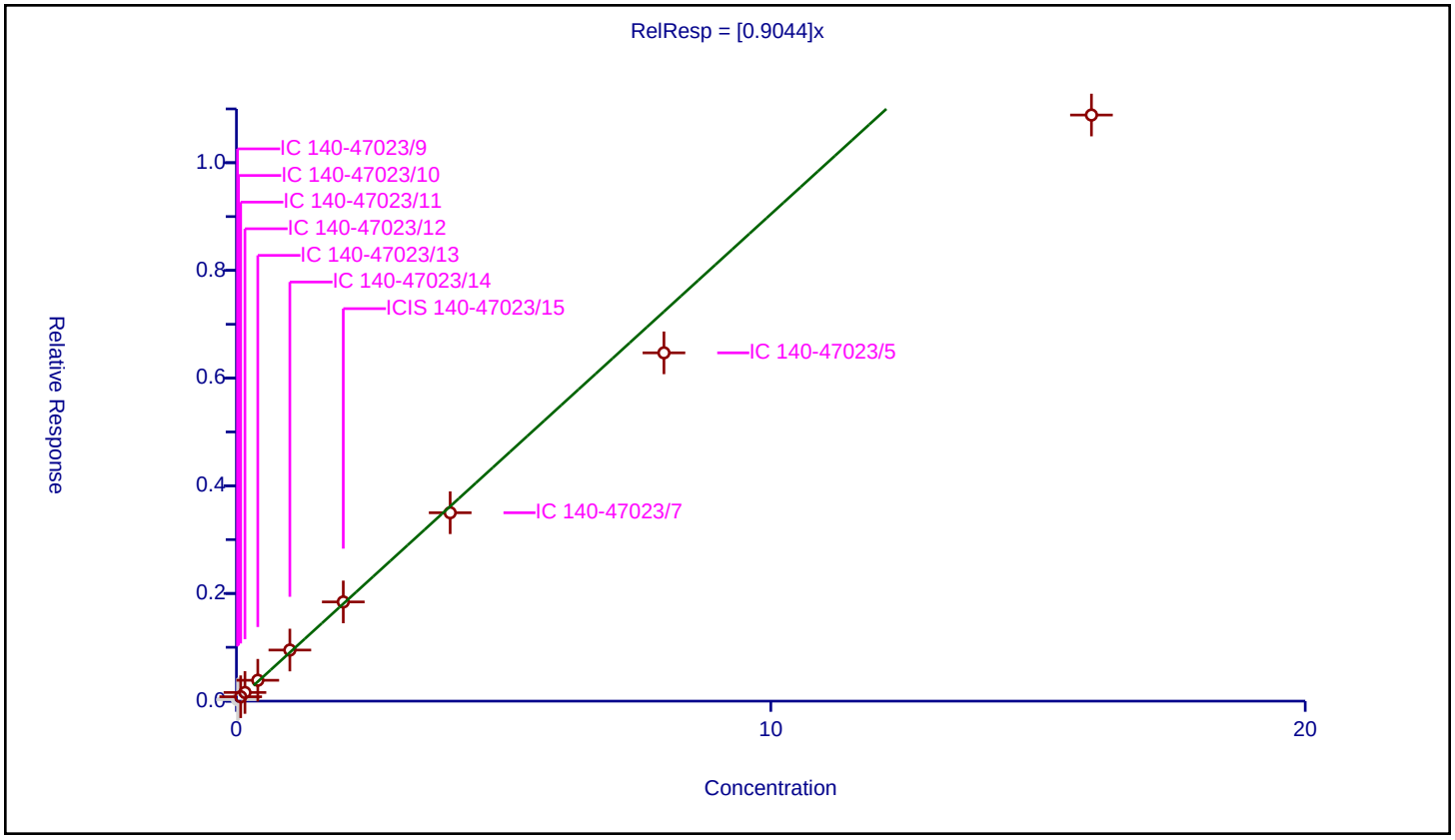
Curve Coefficients

Intercept:	0
Slope:	0.9044

Error Coefficients

Standard Error:	1580000
Relative Standard Error:	12.7
Correlation Coefficient:	0.974
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.026835	4.8	1678537.0	1.34174	N
2	IC 140-47023/10	0.04	0.04536	4.8	1646258.0	1.13399	N
3	IC 140-47023/11	0.08	0.08205	4.8	1618259.0	1.025621	Y
4	IC 140-47023/12	0.16	0.16099	4.8	1625545.0	1.006186	Y
5	IC 140-47023/13	0.4	0.387453	4.8	1593346.0	0.968633	Y
6	IC 140-47023/14	1.0	0.949254	4.8	1616369.0	0.949254	Y
7	ICIS 140-47023/15	2.0	1.842952	4.8	1599046.0	0.921476	Y
8	IC 140-47023/7	4.0	3.499123	4.8	1617620.0	0.874781	Y
9	IC 140-47023/5	8.0	6.46942	4.8	1608645.0	0.808677	Y
10	IC 140-47023/3	16.0	10.886286	4.8	1448207.0	0.680393	Y



Calibration / Carbon tetrachloride

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

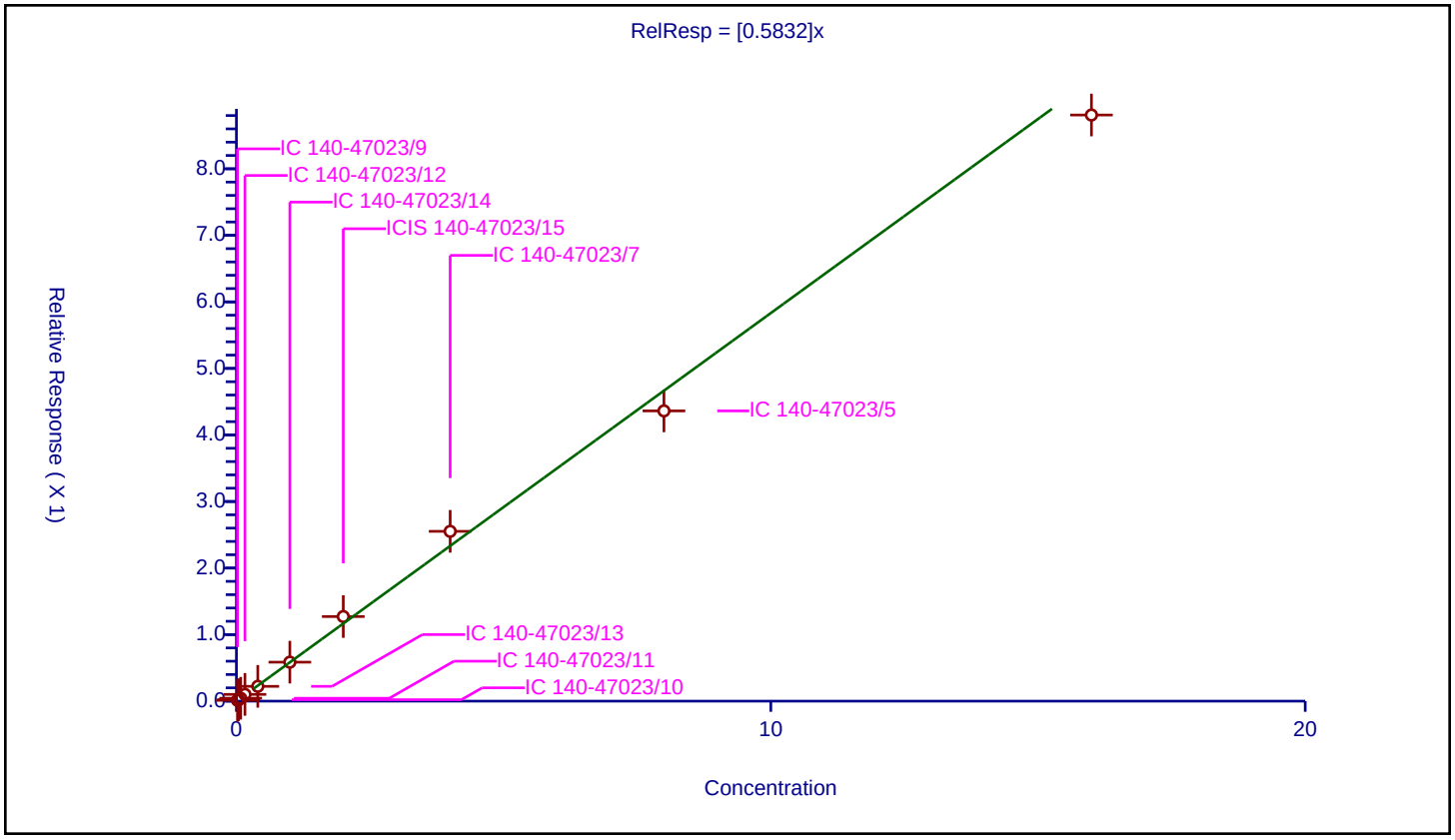
Curve Coefficients

Intercept:	0
Slope:	0.5832

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	7.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.01205	4.8	1678537.0	0.602525	Y
2	IC 140-47023/10	0.04	0.021722	4.8	1646258.0	0.54305	Y
3	IC 140-47023/11	0.08	0.043368	4.8	1618259.0	0.542101	Y
4	IC 140-47023/12	0.16	0.101348	4.8	1625545.0	0.633424	Y
5	IC 140-47023/13	0.4	0.222171	4.8	1593346.0	0.555427	Y
6	IC 140-47023/14	1.0	0.585891	4.8	1616369.0	0.585891	Y
7	ICIS 140-47023/15	2.0	1.271471	4.8	1599046.0	0.635736	Y
8	IC 140-47023/7	4.0	2.551568	4.8	1617620.0	0.637892	Y
9	IC 140-47023/5	8.0	4.361794	4.8	1608645.0	0.545224	Y
10	IC 140-47023/3	16.0	8.807808	4.8	1448207.0	0.550488	Y



Calibration / 2,3-Dimethylpentane

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

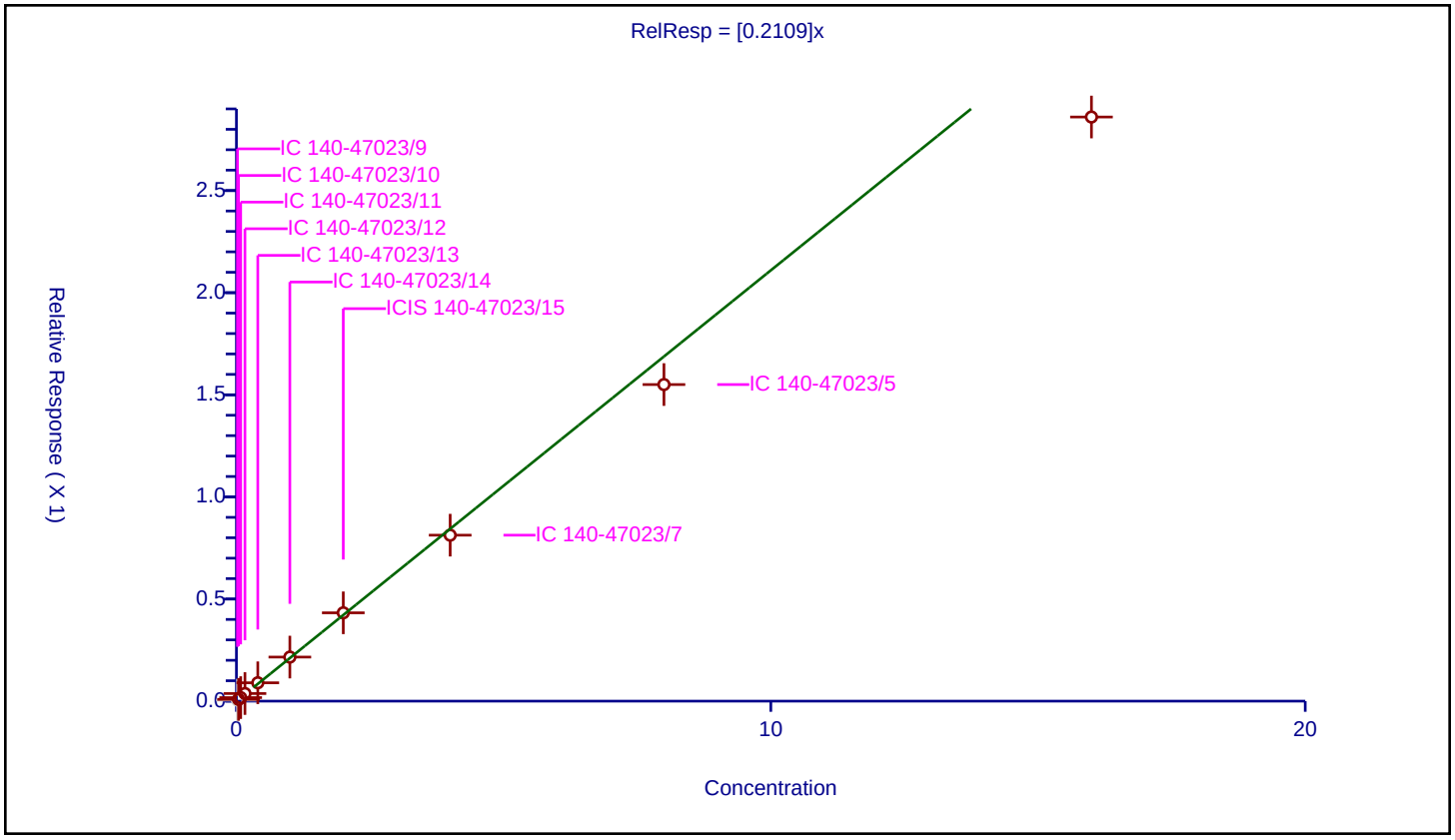
Curve Coefficients

Intercept:	0
Slope:	0.2109

Error Coefficients

Standard Error:	374000
Relative Standard Error:	7.8
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.005096	4.8	1678537.0	0.254793	N
2	IC 140-47023/10	0.04	0.008695	4.8	1646258.0	0.217366	Y
3	IC 140-47023/11	0.08	0.017254	4.8	1618259.0	0.215676	Y
4	IC 140-47023/12	0.16	0.037262	4.8	1625545.0	0.232888	Y
5	IC 140-47023/13	0.4	0.089924	4.8	1593346.0	0.22481	Y
6	IC 140-47023/14	1.0	0.215737	4.8	1616369.0	0.215737	Y
7	ICIS 140-47023/15	2.0	0.432579	4.8	1599046.0	0.216289	Y
8	IC 140-47023/7	4.0	0.812631	4.8	1617620.0	0.203158	Y
9	IC 140-47023/5	8.0	1.550232	4.8	1608645.0	0.193779	Y
10	IC 140-47023/3	16.0	2.860232	4.8	1448207.0	0.178764	Y



Calibration / Thiophene

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

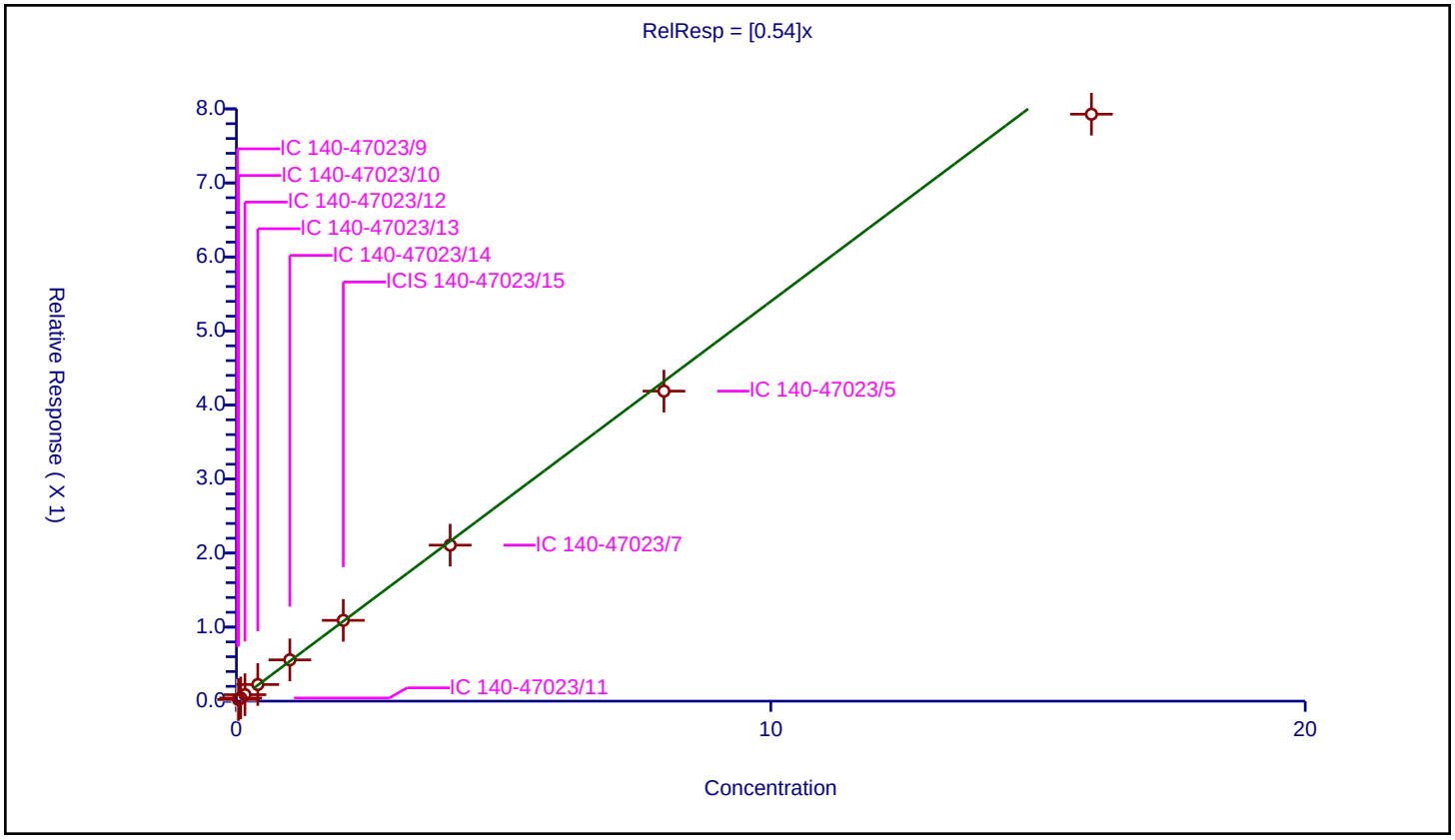
Curve Coefficients

Intercept:	0
Slope:	0.54

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	4.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.012371	4.8	1678537.0	0.618539	N
2	IC 140-47023/10	0.04	0.022807	4.8	1646258.0	0.570166	Y
3	IC 140-47023/11	0.08	0.042659	4.8	1618259.0	0.53324	Y
4	IC 140-47023/12	0.16	0.08739	4.8	1625545.0	0.546186	Y
5	IC 140-47023/13	0.4	0.224313	4.8	1593346.0	0.560782	Y
6	IC 140-47023/14	1.0	0.557727	4.8	1616369.0	0.557727	Y
7	ICIS 140-47023/15	2.0	1.091385	4.8	1599046.0	0.545692	Y
8	IC 140-47023/7	4.0	2.107467	4.8	1617620.0	0.526867	Y
9	IC 140-47023/5	8.0	4.187989	4.8	1608645.0	0.523499	Y
10	IC 140-47023/3	16.0	7.928231	4.8	1448207.0	0.495514	Y



Calibration / Isooctane

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

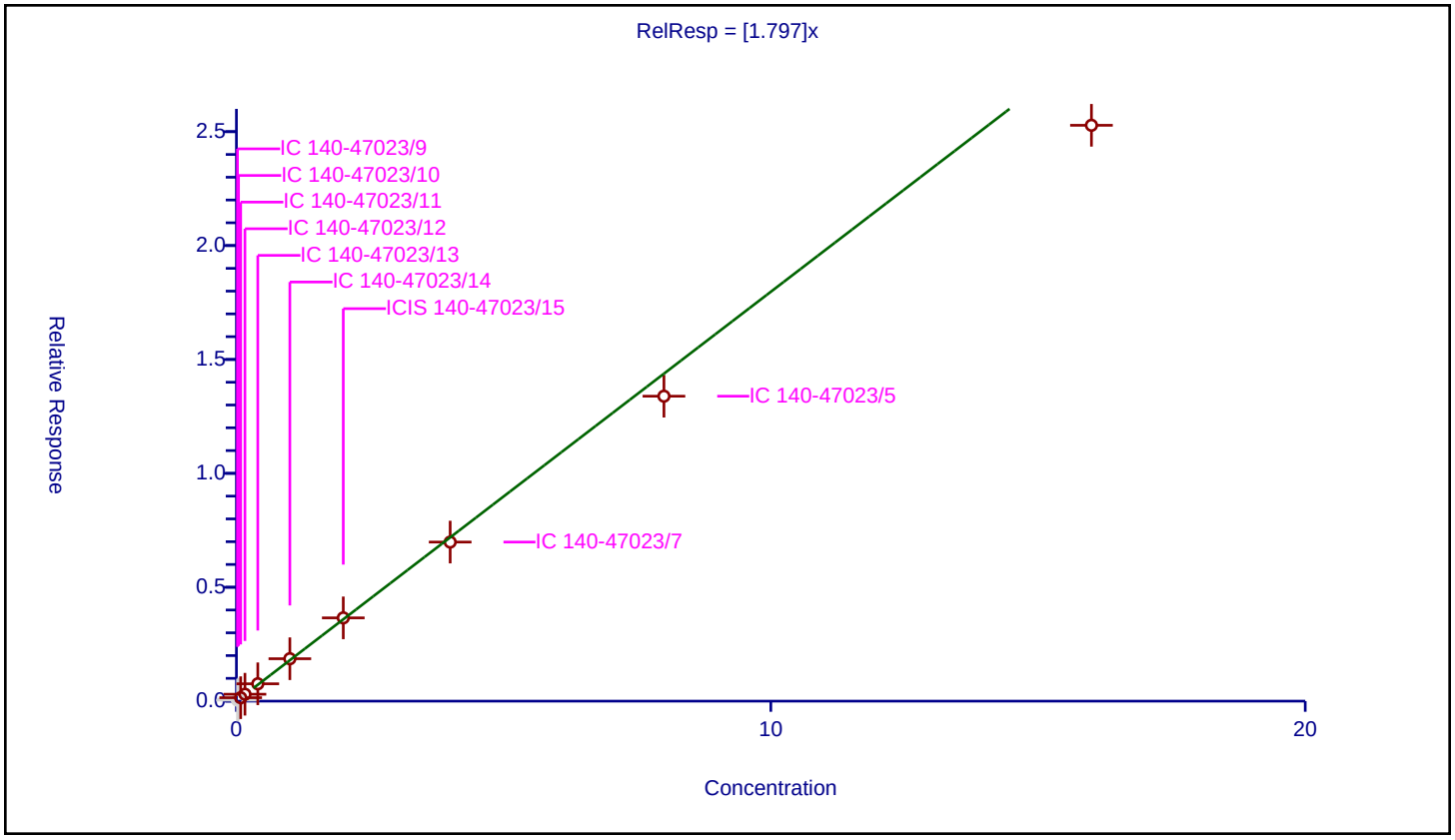
Curve Coefficients

Intercept:	0
Slope:	1.797

Error Coefficients

Standard Error:	3500000
Relative Standard Error:	6.6
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.043647	4.8	1678537.0	2.182329	N
2	IC 140-47023/10	0.04	0.085596	4.8	1646258.0	2.139908	N
3	IC 140-47023/11	0.08	0.151128	4.8	1618259.0	1.889104	Y
4	IC 140-47023/12	0.16	0.302966	4.8	1625545.0	1.893537	Y
5	IC 140-47023/13	0.4	0.761739	4.8	1593346.0	1.904347	Y
6	IC 140-47023/14	1.0	1.862515	4.8	1616369.0	1.862515	Y
7	ICIS 140-47023/15	2.0	3.656135	4.8	1599046.0	1.828067	Y
8	IC 140-47023/7	4.0	6.983359	4.8	1617620.0	1.74584	Y
9	IC 140-47023/5	8.0	13.387394	4.8	1608645.0	1.673424	Y
10	IC 140-47023/3	16.0	25.280094	4.8	1448207.0	1.580006	Y



Calibration / n-Heptane

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

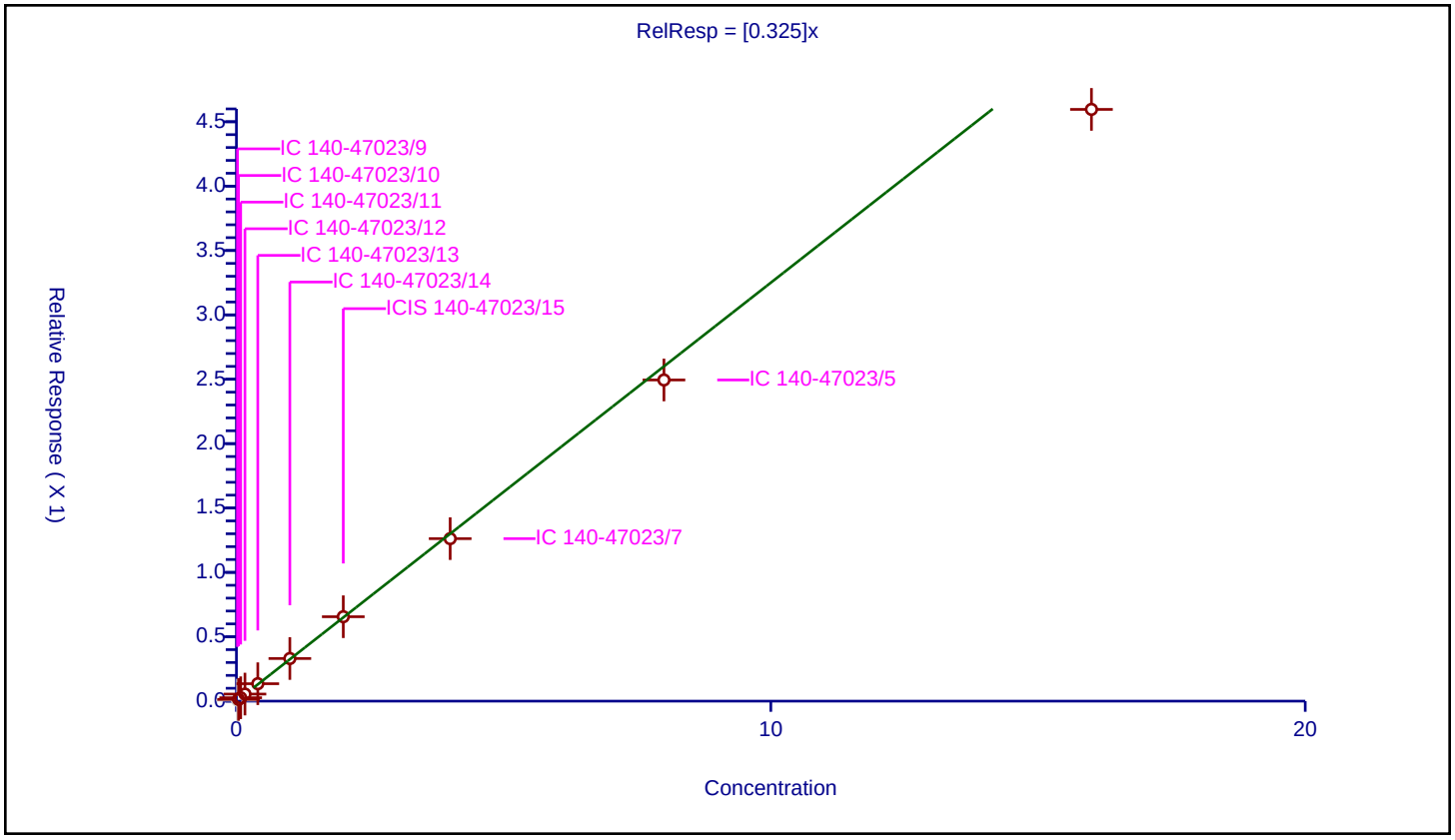
Curve Coefficients

Intercept:	0
Slope:	0.325

Error Coefficients

Standard Error:	598000
Relative Standard Error:	5.4
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.007721	4.8	1678537.0	0.38605	N
2	IC 140-47023/10	0.04	0.013552	4.8	1646258.0	0.338805	Y
3	IC 140-47023/11	0.08	0.026467	4.8	1618259.0	0.330837	Y
4	IC 140-47023/12	0.16	0.054938	4.8	1625545.0	0.343362	Y
5	IC 140-47023/13	0.4	0.135467	4.8	1593346.0	0.338668	Y
6	IC 140-47023/14	1.0	0.331009	4.8	1616369.0	0.331009	Y
7	ICIS 140-47023/15	2.0	0.655756	4.8	1599046.0	0.327878	Y
8	IC 140-47023/7	4.0	1.26213	4.8	1617620.0	0.315532	Y
9	IC 140-47023/5	8.0	2.494492	4.8	1608645.0	0.311811	Y
10	IC 140-47023/3	16.0	4.596092	4.8	1448207.0	0.287256	Y



Calibration / 1,2-Dichloropropane

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

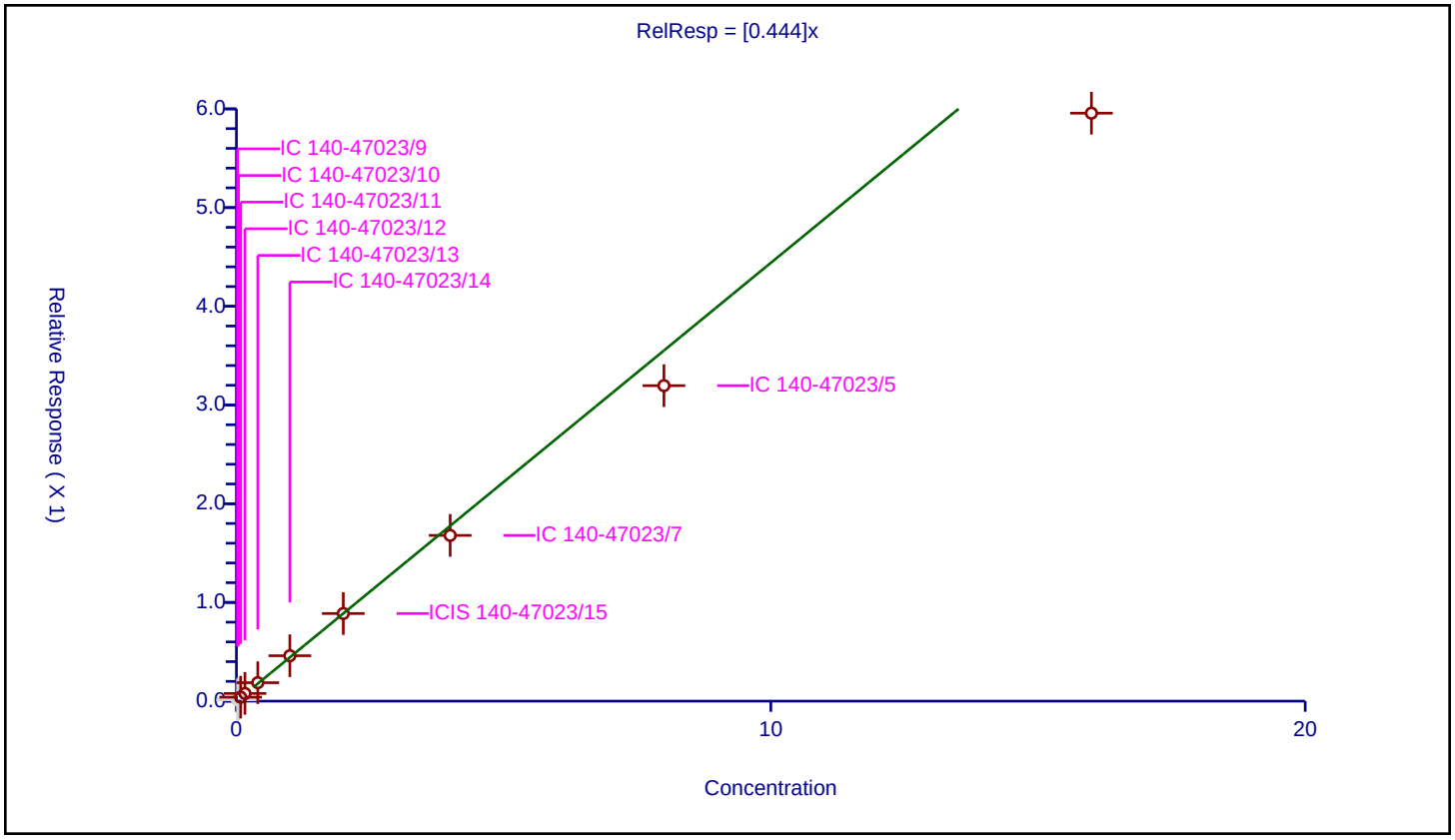
Curve Coefficients

Intercept:	0
Slope:	0.444

Error Coefficients

Standard Error:	829000
Relative Standard Error:	10.0
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.013151	4.8	1678537.0	0.657573	N
2	IC 140-47023/10	0.04	0.022958	4.8	1646258.0	0.573956	N
3	IC 140-47023/11	0.08	0.040215	4.8	1618259.0	0.502688	Y
4	IC 140-47023/12	0.16	0.077896	4.8	1625545.0	0.486852	Y
5	IC 140-47023/13	0.4	0.186964	4.8	1593346.0	0.467409	Y
6	IC 140-47023/14	1.0	0.459801	4.8	1616369.0	0.459801	Y
7	ICIS 140-47023/15	2.0	0.887584	4.8	1599046.0	0.443792	Y
8	IC 140-47023/7	4.0	1.678979	4.8	1617620.0	0.419745	Y
9	IC 140-47023/5	8.0	3.196264	4.8	1608645.0	0.399533	Y
10	IC 140-47023/3	16.0	5.956429	4.8	1448207.0	0.372277	Y



Calibration / Trichloroethene

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

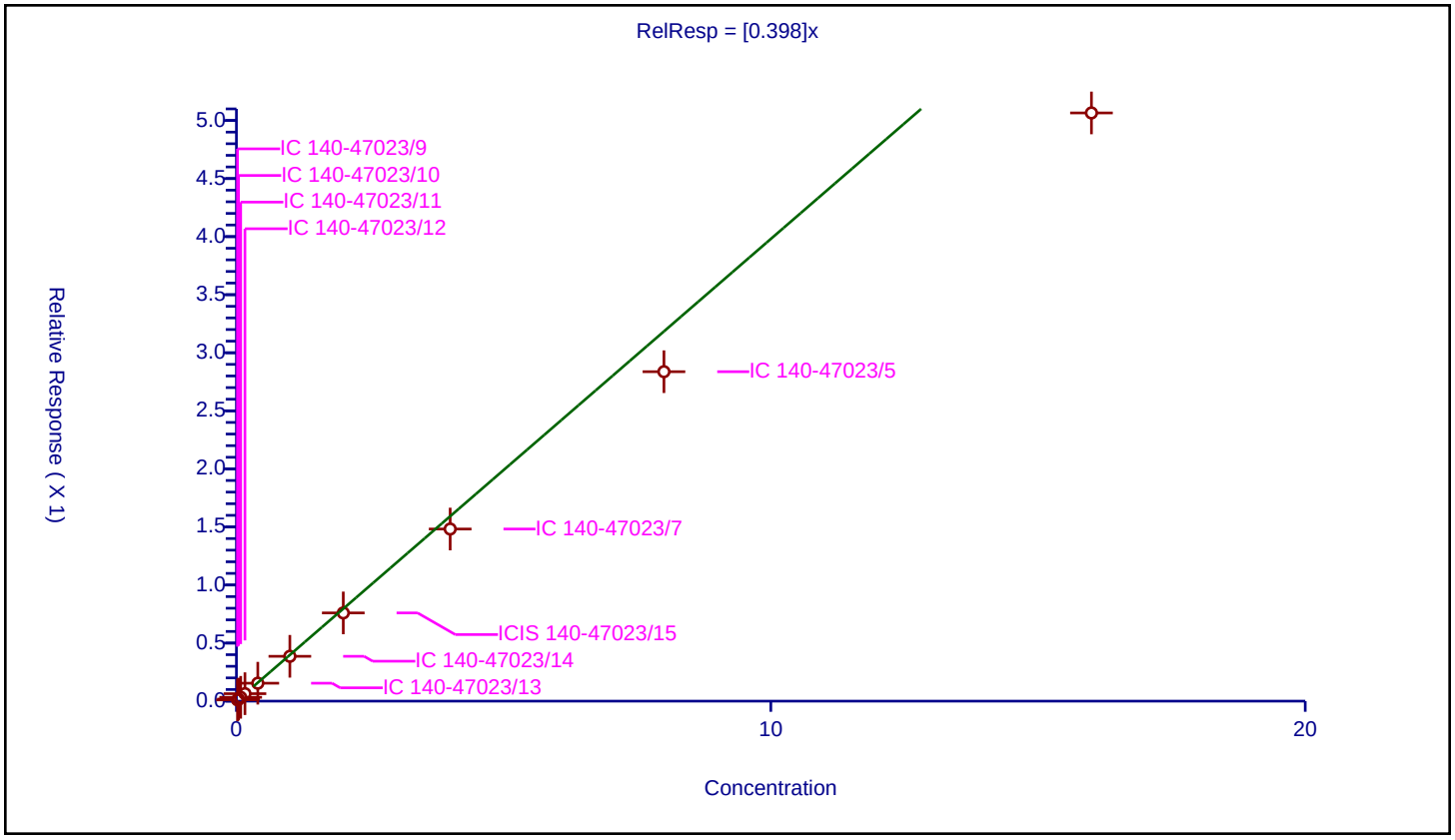
Curve Coefficients

Intercept:	0
Slope:	0.398

Error Coefficients

Standard Error:	630000
Relative Standard Error:	14.6
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.010712	4.8	1678537.0	0.535609	Y
2	IC 140-47023/10	0.04	0.017509	4.8	1646258.0	0.43772	Y
3	IC 140-47023/11	0.08	0.032844	4.8	1618259.0	0.410552	Y
4	IC 140-47023/12	0.16	0.064393	4.8	1625545.0	0.402456	Y
5	IC 140-47023/13	0.4	0.154452	4.8	1593346.0	0.386131	Y
6	IC 140-47023/14	1.0	0.386003	4.8	1616369.0	0.386003	Y
7	ICIS 140-47023/15	2.0	0.759696	4.8	1599046.0	0.379848	Y
8	IC 140-47023/7	4.0	1.482231	4.8	1617620.0	0.370558	Y
9	IC 140-47023/5	8.0	2.837065	4.8	1608645.0	0.354633	Y
10	IC 140-47023/3	16.0	5.065215	4.8	1448207.0	0.316576	Y



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

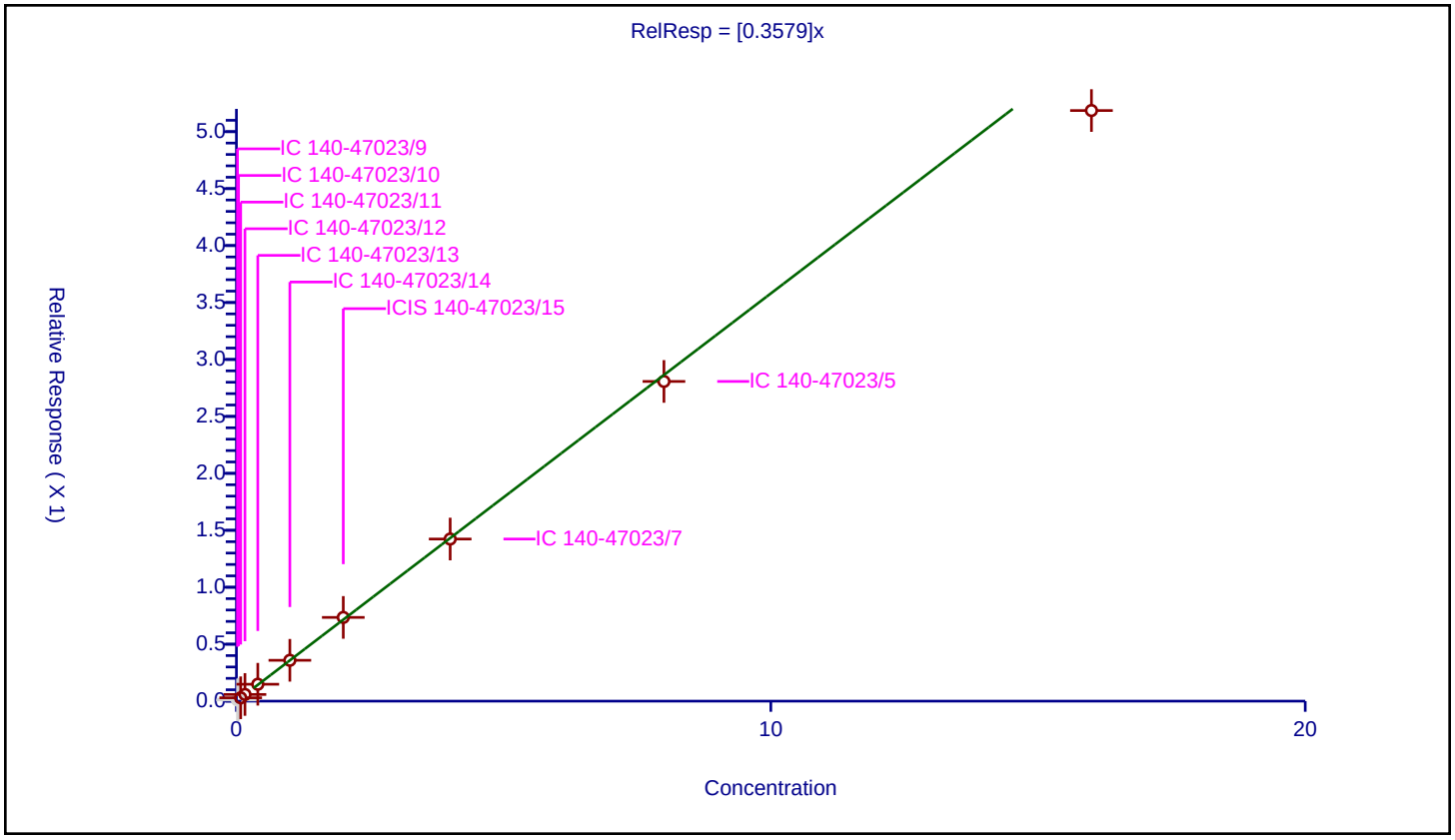
Curve Coefficients

Intercept:	0
Slope:	0.3579

Error Coefficients

Standard Error:	721000
Relative Standard Error:	4.3
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.01016	4.8	1678537.0	0.508014	N
2	IC 140-47023/10	0.04	0.016089	4.8	1646258.0	0.402221	N
3	IC 140-47023/11	0.08	0.029519	4.8	1618259.0	0.368989	Y
4	IC 140-47023/12	0.16	0.058647	4.8	1625545.0	0.366542	Y
5	IC 140-47023/13	0.4	0.148439	4.8	1593346.0	0.371098	Y
6	IC 140-47023/14	1.0	0.35859	4.8	1616369.0	0.35859	Y
7	ICIS 140-47023/15	2.0	0.735102	4.8	1599046.0	0.367551	Y
8	IC 140-47023/7	4.0	1.423303	4.8	1617620.0	0.355826	Y
9	IC 140-47023/5	8.0	2.806901	4.8	1608645.0	0.350863	Y
10	IC 140-47023/3	16.0	5.185612	4.8	1448207.0	0.324101	Y



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

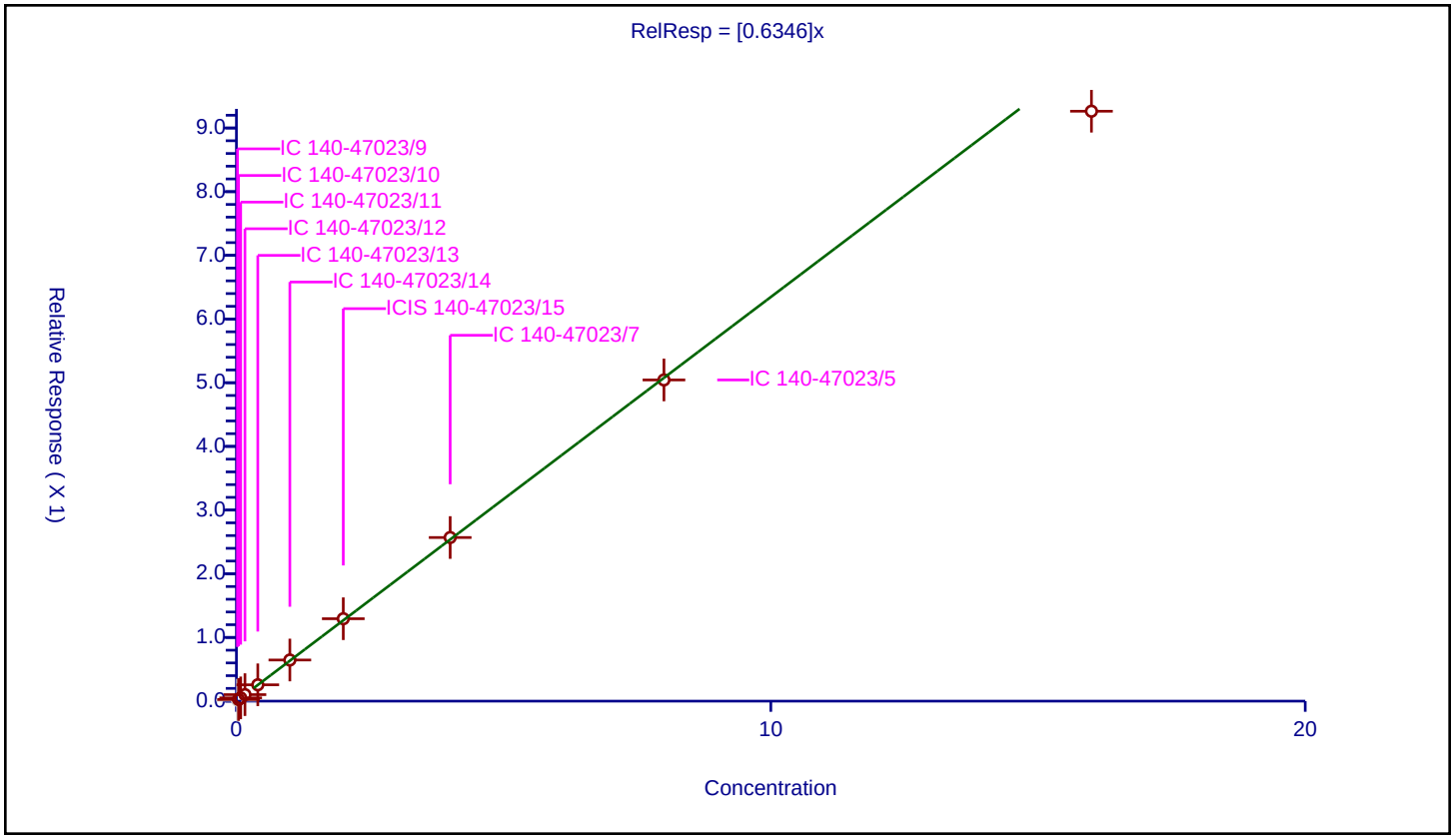
Curve Coefficients

Intercept:	0
Slope:	0.6346

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	3.4
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.014853	4.8	1678537.0	0.742647	N
2	IC 140-47023/10	0.04	0.025889	4.8	1646258.0	0.647213	Y
3	IC 140-47023/11	0.08	0.051071	4.8	1618259.0	0.63839	Y
4	IC 140-47023/12	0.16	0.102266	4.8	1625545.0	0.639164	Y
5	IC 140-47023/13	0.4	0.256607	4.8	1593346.0	0.641518	Y
6	IC 140-47023/14	1.0	0.646097	4.8	1616369.0	0.646097	Y
7	ICIS 140-47023/15	2.0	1.294081	4.8	1599046.0	0.64704	Y
8	IC 140-47023/7	4.0	2.569582	4.8	1617620.0	0.642396	Y
9	IC 140-47023/5	8.0	5.043586	4.8	1608645.0	0.630448	Y
10	IC 140-47023/3	16.0	9.263607	4.8	1448207.0	0.578975	Y



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

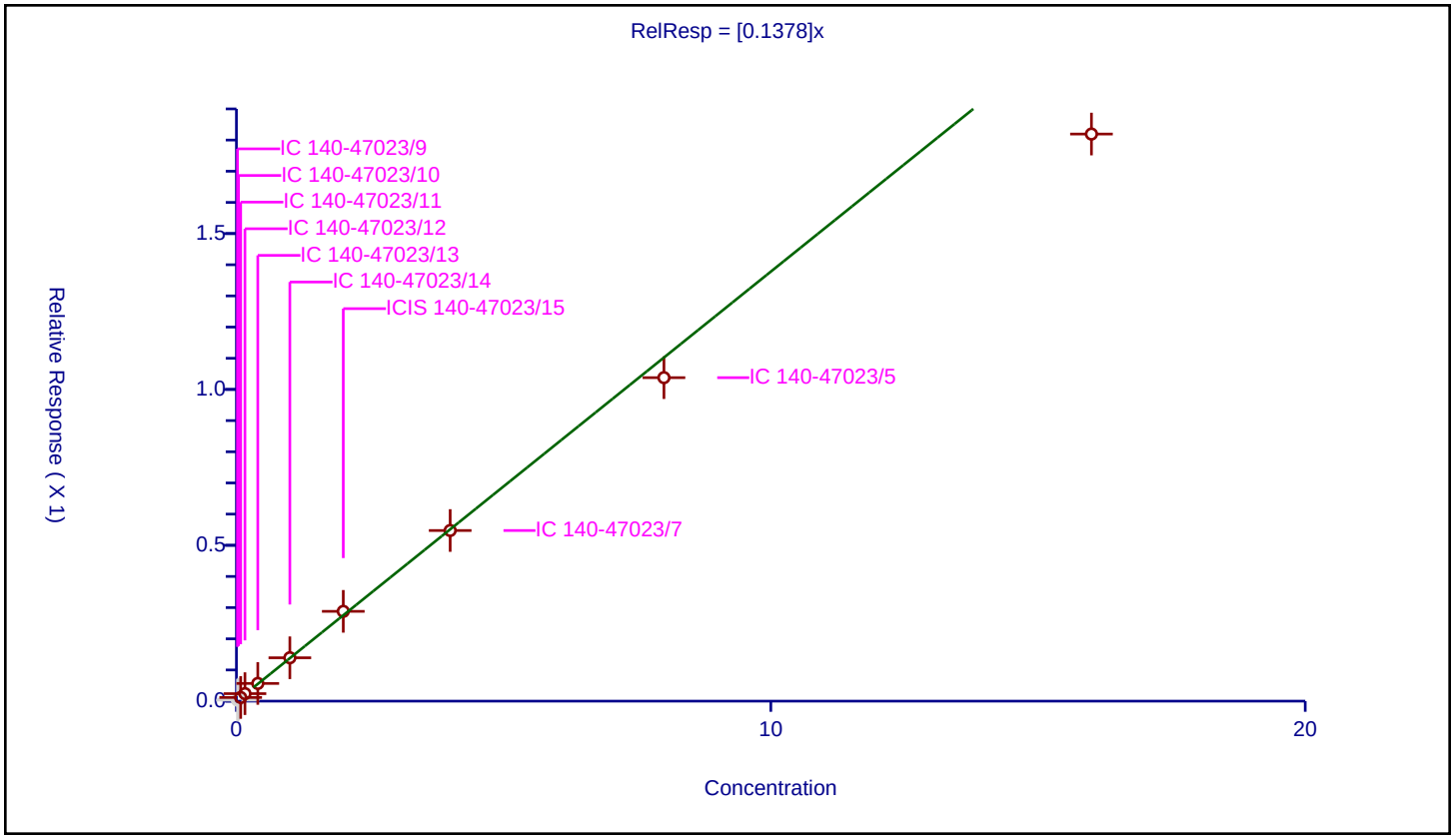
Curve Coefficients

Intercept:	0
Slope:	0.1378

Error Coefficients

Standard Error:	259000
Relative Standard Error:	8.4
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.003246	4.8	1678537.0	0.162284	N
2	IC 140-47023/10	0.04	0.005989	4.8	1646258.0	0.149721	N
3	IC 140-47023/11	0.08	0.011716	4.8	1618259.0	0.146454	Y
4	IC 140-47023/12	0.16	0.024078	4.8	1625545.0	0.150485	Y
5	IC 140-47023/13	0.4	0.056768	4.8	1593346.0	0.14192	Y
6	IC 140-47023/14	1.0	0.139141	4.8	1616369.0	0.139141	Y
7	ICIS 140-47023/15	2.0	0.288046	4.8	1599046.0	0.144023	Y
8	IC 140-47023/7	4.0	0.547429	4.8	1617620.0	0.136857	Y
9	IC 140-47023/5	8.0	1.037814	4.8	1608645.0	0.129727	Y
10	IC 140-47023/3	16.0	1.819334	4.8	1448207.0	0.113708	Y



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

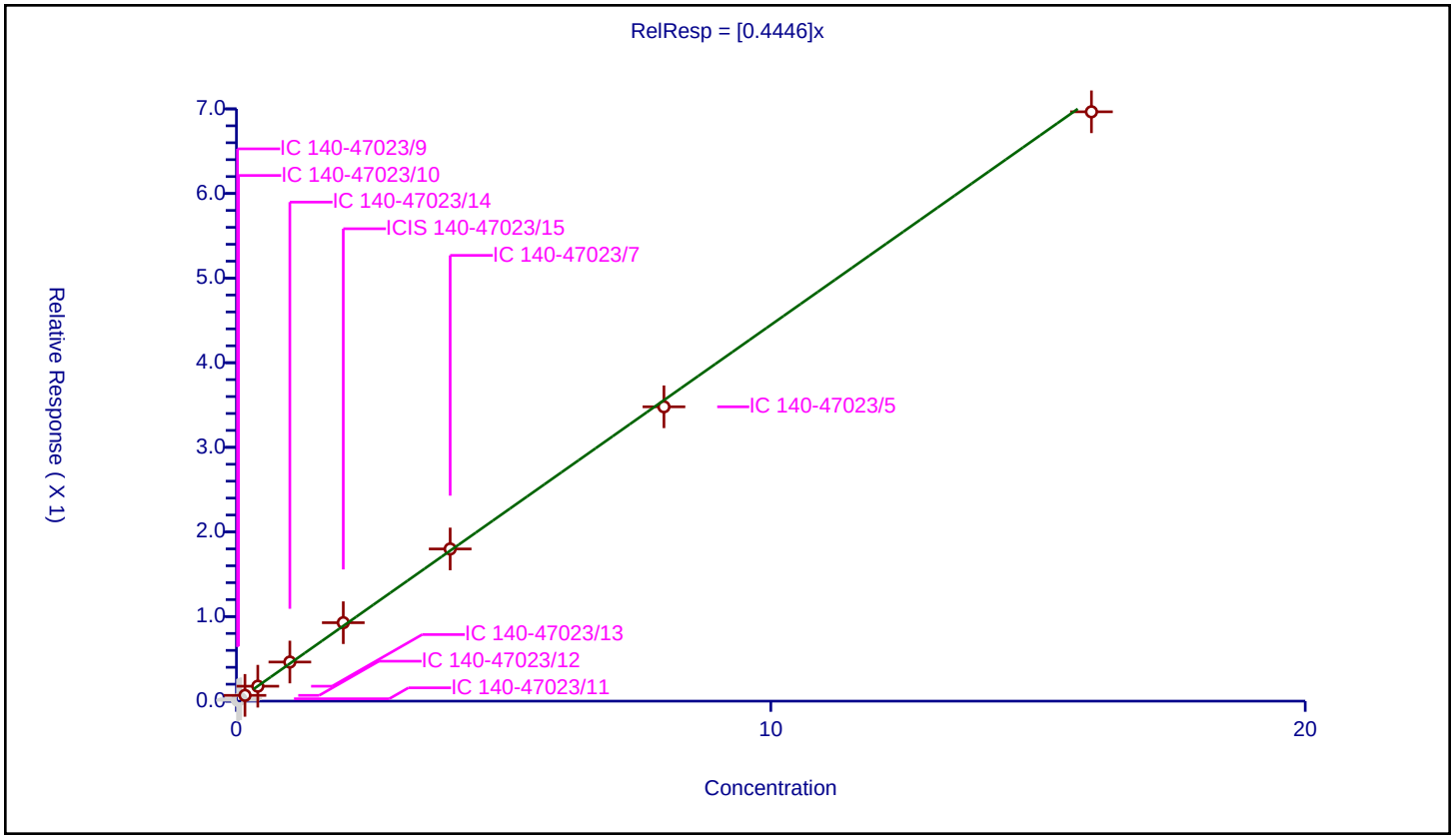
Curve Coefficients

Intercept:	0
Slope:	0.4446

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	3.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.010512	4.8	1678537.0	0.525601	N
2	IC 140-47023/10	0.04	0.018538	4.8	1646258.0	0.463451	N
3	IC 140-47023/11	0.08	0.028066	4.8	1618259.0	0.350821	N
4	IC 140-47023/12	0.16	0.068114	4.8	1625545.0	0.42571	Y
5	IC 140-47023/13	0.4	0.17639	4.8	1593346.0	0.440974	Y
6	IC 140-47023/14	1.0	0.46215	4.8	1616369.0	0.46215	Y
7	ICIS 140-47023/15	2.0	0.927193	4.8	1599046.0	0.463596	Y
8	IC 140-47023/7	4.0	1.798838	4.8	1617620.0	0.44971	Y
9	IC 140-47023/5	8.0	3.478951	4.8	1608645.0	0.434869	Y
10	IC 140-47023/3	16.0	6.965551	4.8	1448207.0	0.435347	Y



Calibration / Methylcyclohexane

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

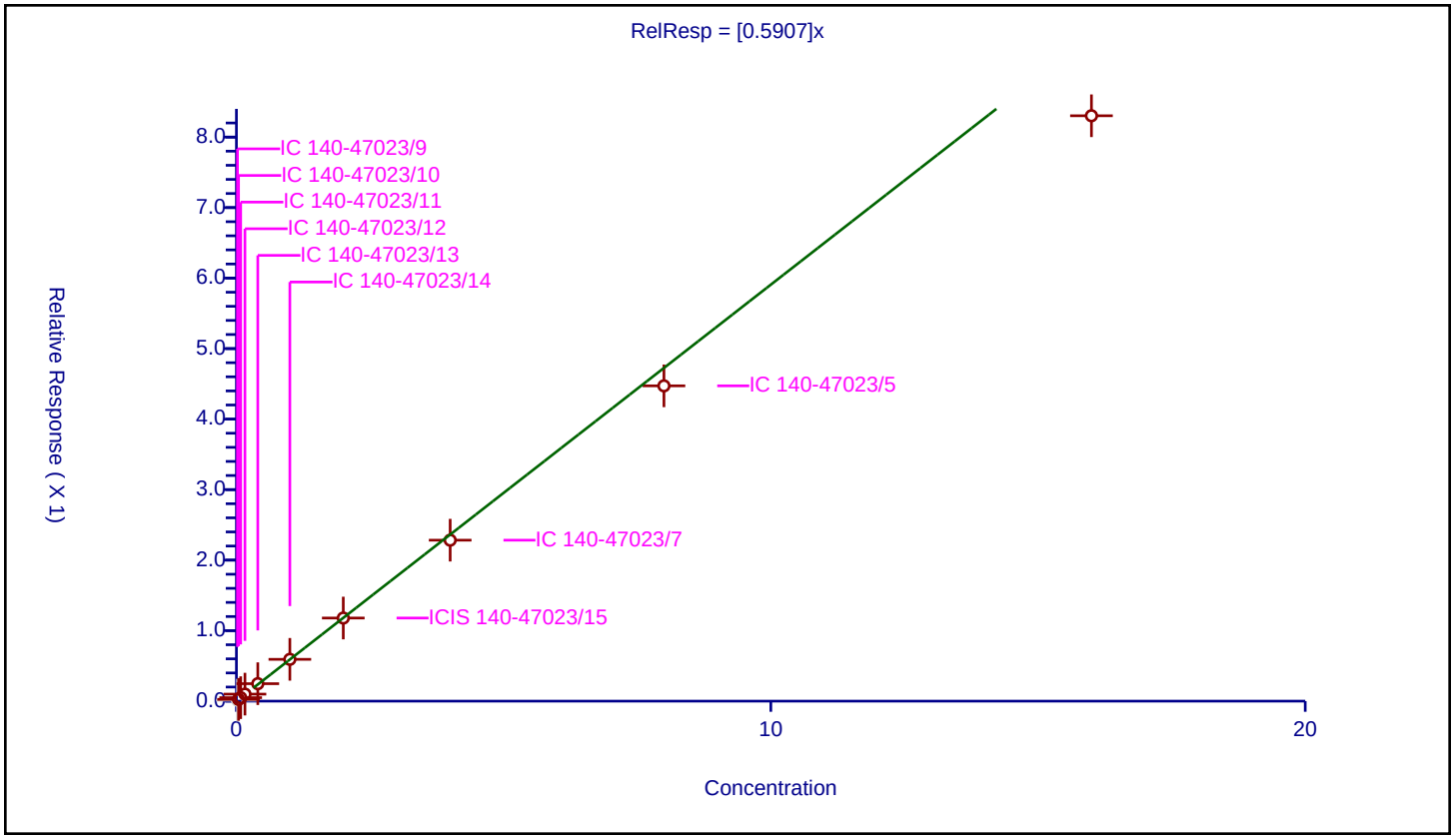
Curve Coefficients

Intercept:	0
Slope:	0.5907

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	6.1
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.013635	4.8	1678537.0	0.681737	N
2	IC 140-47023/10	0.04	0.025165	4.8	1646258.0	0.629136	Y
3	IC 140-47023/11	0.08	0.049114	4.8	1618259.0	0.613919	Y
4	IC 140-47023/12	0.16	0.099674	4.8	1625545.0	0.62296	Y
5	IC 140-47023/13	0.4	0.247669	4.8	1593346.0	0.619172	Y
6	IC 140-47023/14	1.0	0.593048	4.8	1616369.0	0.593048	Y
7	ICIS 140-47023/15	2.0	1.17868	4.8	1599046.0	0.58934	Y
8	IC 140-47023/7	4.0	2.283001	4.8	1617620.0	0.57075	Y
9	IC 140-47023/5	8.0	4.471887	4.8	1608645.0	0.558986	Y
10	IC 140-47023/3	16.0	8.302458	4.8	1448207.0	0.518904	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

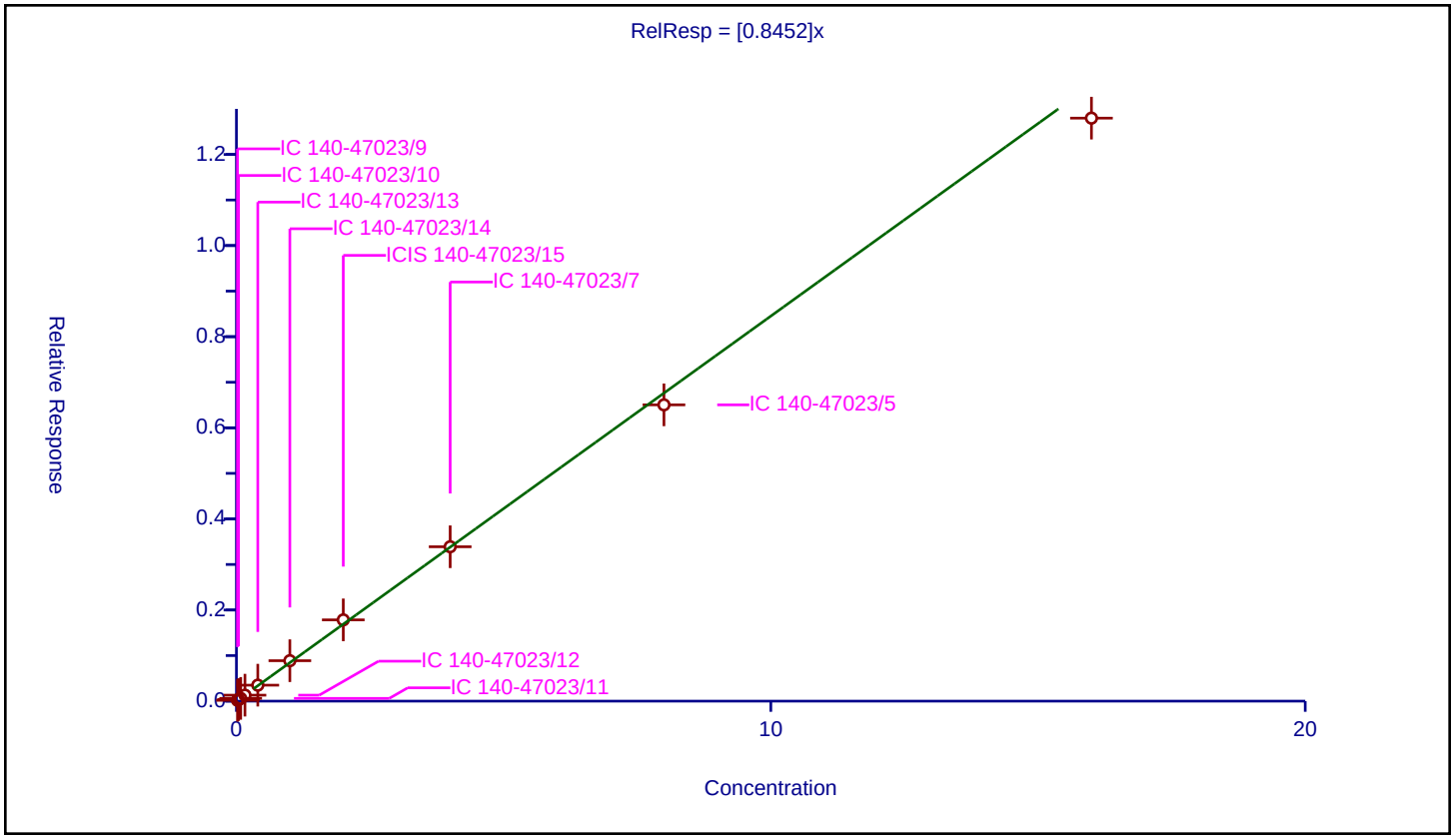
Curve Coefficients

Intercept:	0
Slope:	0.8452

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	5.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.017918	4.8	1678537.0	0.895923	Y
2	IC 140-47023/10	0.04	0.034633	4.8	1646258.0	0.865818	Y
3	IC 140-47023/11	0.08	0.06029	4.8	1618259.0	0.753625	Y
4	IC 140-47023/12	0.16	0.131181	4.8	1625545.0	0.819879	Y
5	IC 140-47023/13	0.4	0.350661	4.8	1593346.0	0.876653	Y
6	IC 140-47023/14	1.0	0.887869	4.8	1616369.0	0.887869	Y
7	ICIS 140-47023/15	2.0	1.783826	4.8	1599046.0	0.891913	Y
8	IC 140-47023/7	4.0	3.388836	4.8	1617620.0	0.847209	Y
9	IC 140-47023/5	8.0	6.503729	4.8	1608645.0	0.812966	Y
10	IC 140-47023/3	16.0	12.797221	4.8	1448207.0	0.799826	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

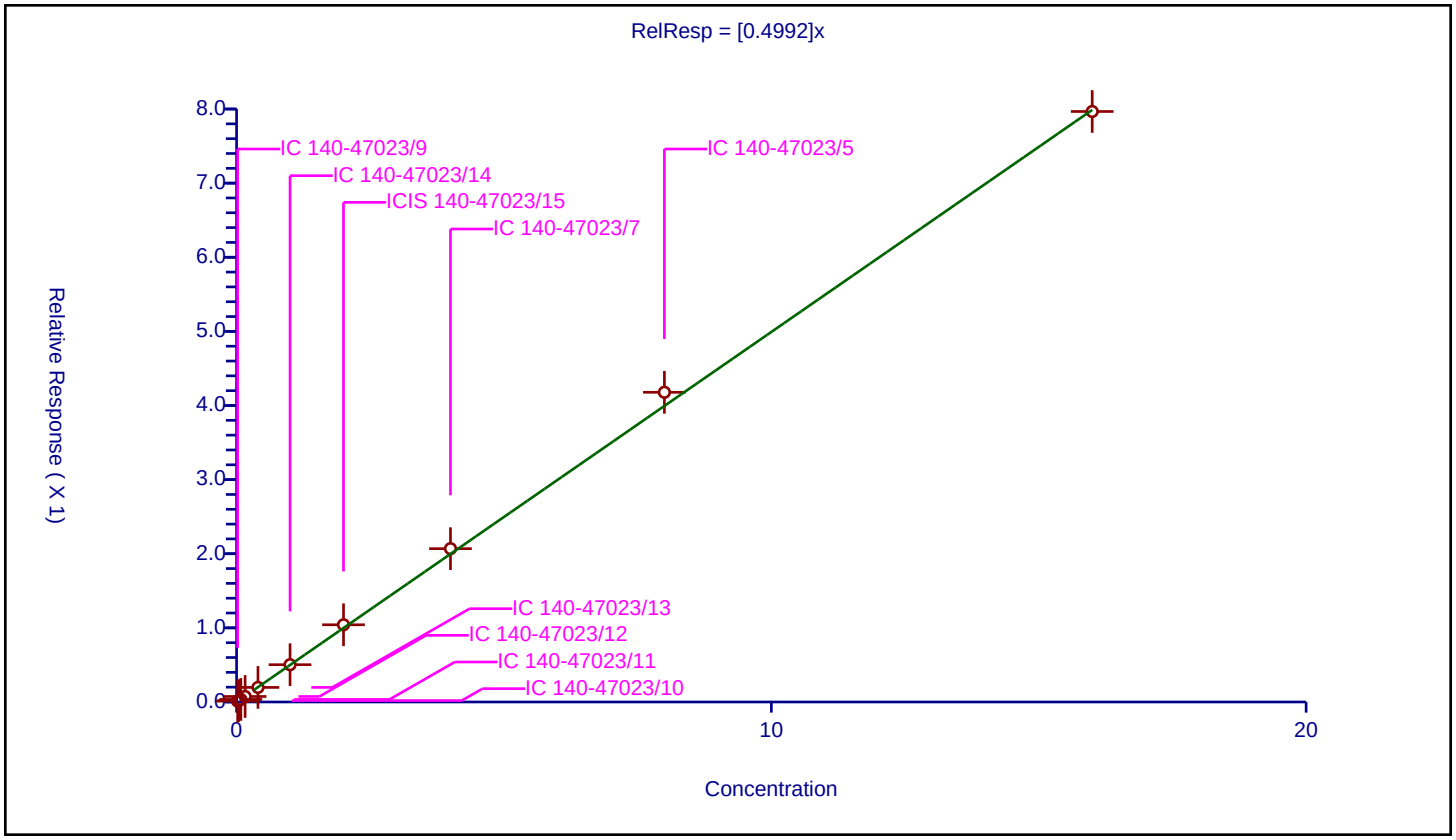
Curve Coefficients

Intercept:	0
Slope:	0.4992

Error Coefficients

Standard Error:	965000
Relative Standard Error:	7.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.011213	4.8	1678537.0	0.560631	Y
2	IC 140-47023/10	0.04	0.019363	4.8	1646258.0	0.48408	Y
3	IC 140-47023/11	0.08	0.034559	4.8	1618259.0	0.431983	Y
4	IC 140-47023/12	0.16	0.074123	4.8	1625545.0	0.463266	Y
5	IC 140-47023/13	0.4	0.196432	4.8	1593346.0	0.49108	Y
6	IC 140-47023/14	1.0	0.503148	4.8	1616369.0	0.503148	Y
7	ICIS 140-47023/15	2.0	1.041627	4.8	1599046.0	0.520814	Y
8	IC 140-47023/7	4.0	2.068328	4.8	1617620.0	0.517082	Y
9	IC 140-47023/5	8.0	4.178106	4.8	1608645.0	0.522263	Y
10	IC 140-47023/3	16.0	7.966646	4.8	1448207.0	0.497915	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

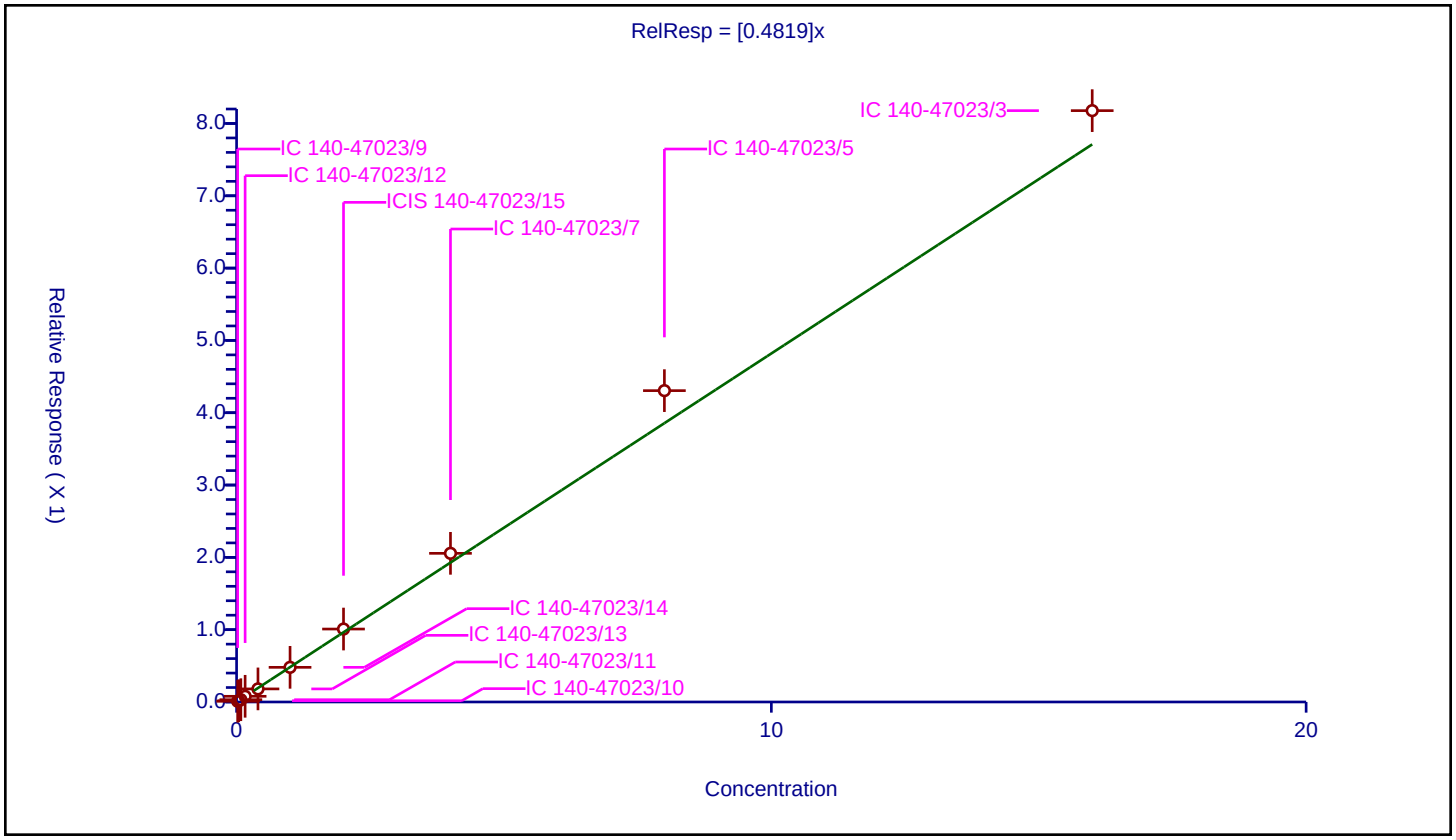
Curve Coefficients

Intercept:	0
Slope:	0.4819

Error Coefficients

Standard Error:	903000
Relative Standard Error:	9.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.010014	4.8	1384258.0	0.500716	Y
2	IC 140-47023/10	0.04	0.017235	4.8	1332093.0	0.430871	Y
3	IC 140-47023/11	0.08	0.031652	4.8	1341030.0	0.395651	Y
4	IC 140-47023/12	0.16	0.078852	4.8	1331302.0	0.492826	Y
5	IC 140-47023/13	0.4	0.181052	4.8	1318219.0	0.452629	Y
6	IC 140-47023/14	1.0	0.479063	4.8	1345548.0	0.479063	Y
7	ICIS 140-47023/15	2.0	1.008659	4.8	1369524.0	0.504329	Y
8	IC 140-47023/7	4.0	2.055781	4.8	1406961.0	0.513945	Y
9	IC 140-47023/5	8.0	4.305569	4.8	1443289.0	0.538196	Y
10	IC 140-47023/3	16.0	8.177467	4.8	1337082.0	0.511092	Y



Calibration / Toluene

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

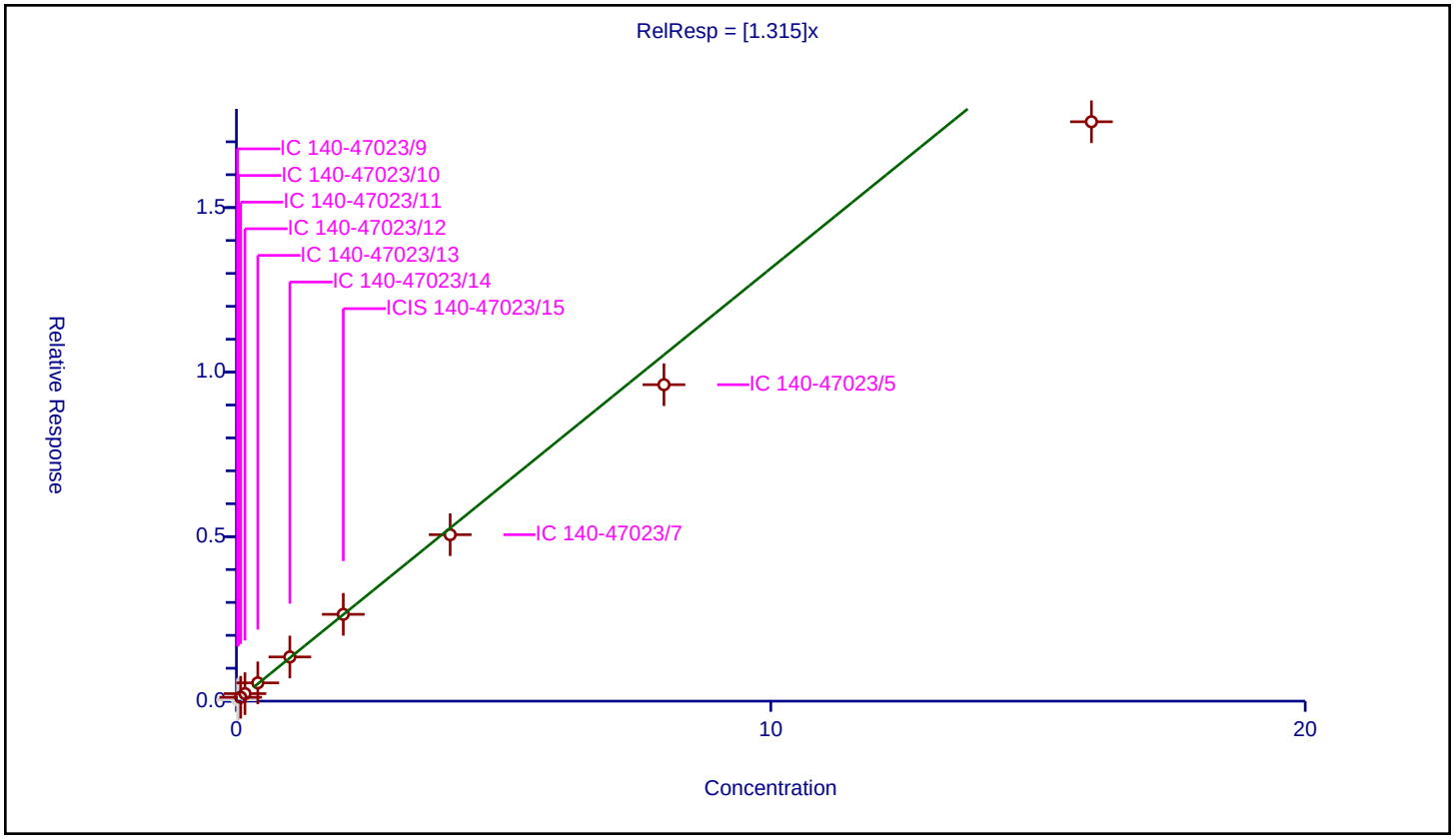
Curve Coefficients

Intercept:	0
Slope:	1.315

Error Coefficients

Standard Error:	2250000
Relative Standard Error:	9.4
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.039409	4.8	1384258.0	1.970442	N
2	IC 140-47023/10	0.04	0.066096	4.8	1332093.0	1.652407	N
3	IC 140-47023/11	0.08	0.118047	4.8	1341030.0	1.475582	Y
4	IC 140-47023/12	0.16	0.228639	4.8	1331302.0	1.428992	Y
5	IC 140-47023/13	0.4	0.555375	4.8	1318219.0	1.388437	Y
6	IC 140-47023/14	1.0	1.343724	4.8	1345548.0	1.343724	Y
7	ICIS 140-47023/15	2.0	2.638548	4.8	1369524.0	1.319274	Y
8	IC 140-47023/7	4.0	5.058631	4.8	1406961.0	1.264658	Y
9	IC 140-47023/5	8.0	9.618002	4.8	1443289.0	1.20225	Y
10	IC 140-47023/3	16.0	17.609291	4.8	1337082.0	1.100581	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

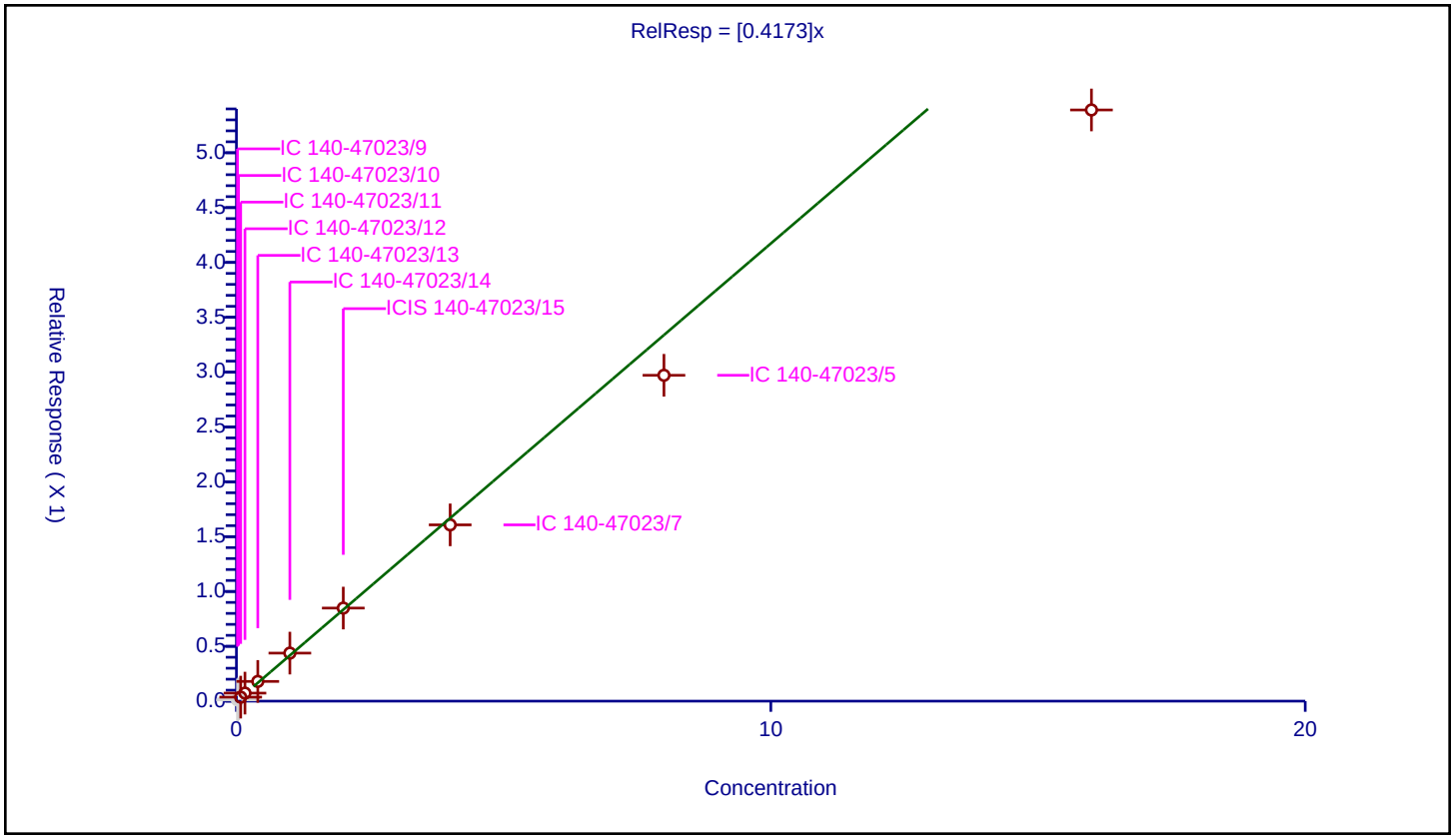
Curve Coefficients

Intercept:	0
Slope:	0.4173

Error Coefficients

Standard Error:	692000
Relative Standard Error:	10.6
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.011152	4.8	1384258.0	0.557584	N
2	IC 140-47023/10	0.04	0.02019	4.8	1332093.0	0.50474	N
3	IC 140-47023/11	0.08	0.036667	4.8	1341030.0	0.458334	Y
4	IC 140-47023/12	0.16	0.073256	4.8	1331302.0	0.457853	Y
5	IC 140-47023/13	0.4	0.179795	4.8	1318219.0	0.449488	Y
6	IC 140-47023/14	1.0	0.437988	4.8	1345548.0	0.437988	Y
7	ICIS 140-47023/15	2.0	0.848613	4.8	1369524.0	0.424306	Y
8	IC 140-47023/7	4.0	1.607236	4.8	1406961.0	0.401809	Y
9	IC 140-47023/5	8.0	2.971107	4.8	1443289.0	0.371388	Y
10	IC 140-47023/3	16.0	5.390217	4.8	1337082.0	0.336889	Y



Calibration / 2-Hexanone

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

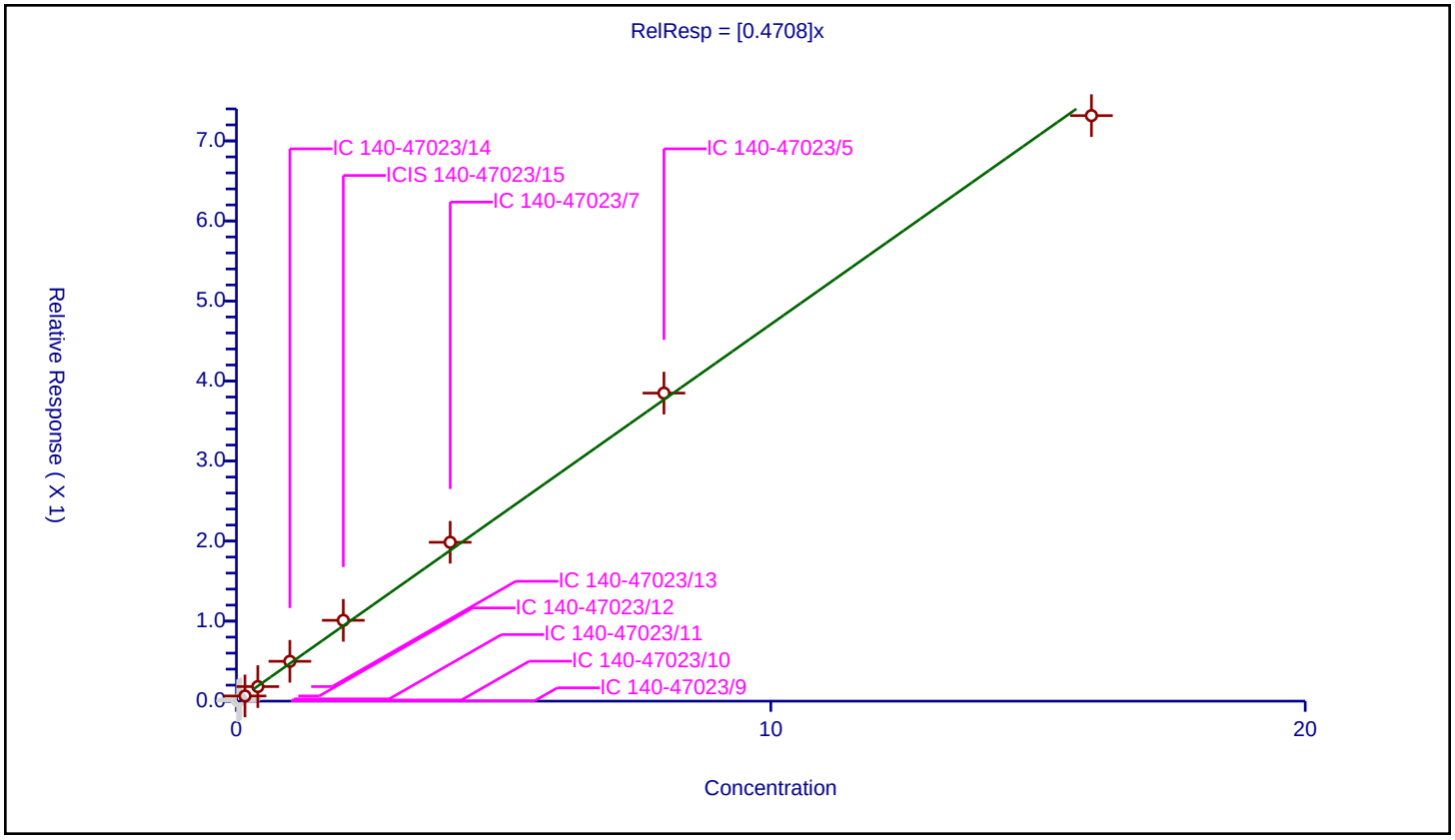
Curve Coefficients

Intercept:	0
Slope:	0.4708

Error Coefficients

Standard Error:	995000
Relative Standard Error:	7.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.004563	4.8	1384258.0	0.228166	N
2	IC 140-47023/10	0.04	0.014042	4.8	1332093.0	0.351057	N
3	IC 140-47023/11	0.08	0.028187	4.8	1341030.0	0.352341	N
4	IC 140-47023/12	0.16	0.06456	4.8	1331302.0	0.4035	Y
5	IC 140-47023/13	0.4	0.181947	4.8	1318219.0	0.454868	Y
6	IC 140-47023/14	1.0	0.497834	4.8	1345548.0	0.497834	Y
7	ICIS 140-47023/15	2.0	1.009984	4.8	1369524.0	0.504992	Y
8	IC 140-47023/7	4.0	1.984911	4.8	1406961.0	0.496228	Y
9	IC 140-47023/5	8.0	3.848852	4.8	1443289.0	0.481107	Y
10	IC 140-47023/3	16.0	7.315717	4.8	1337082.0	0.457232	Y



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

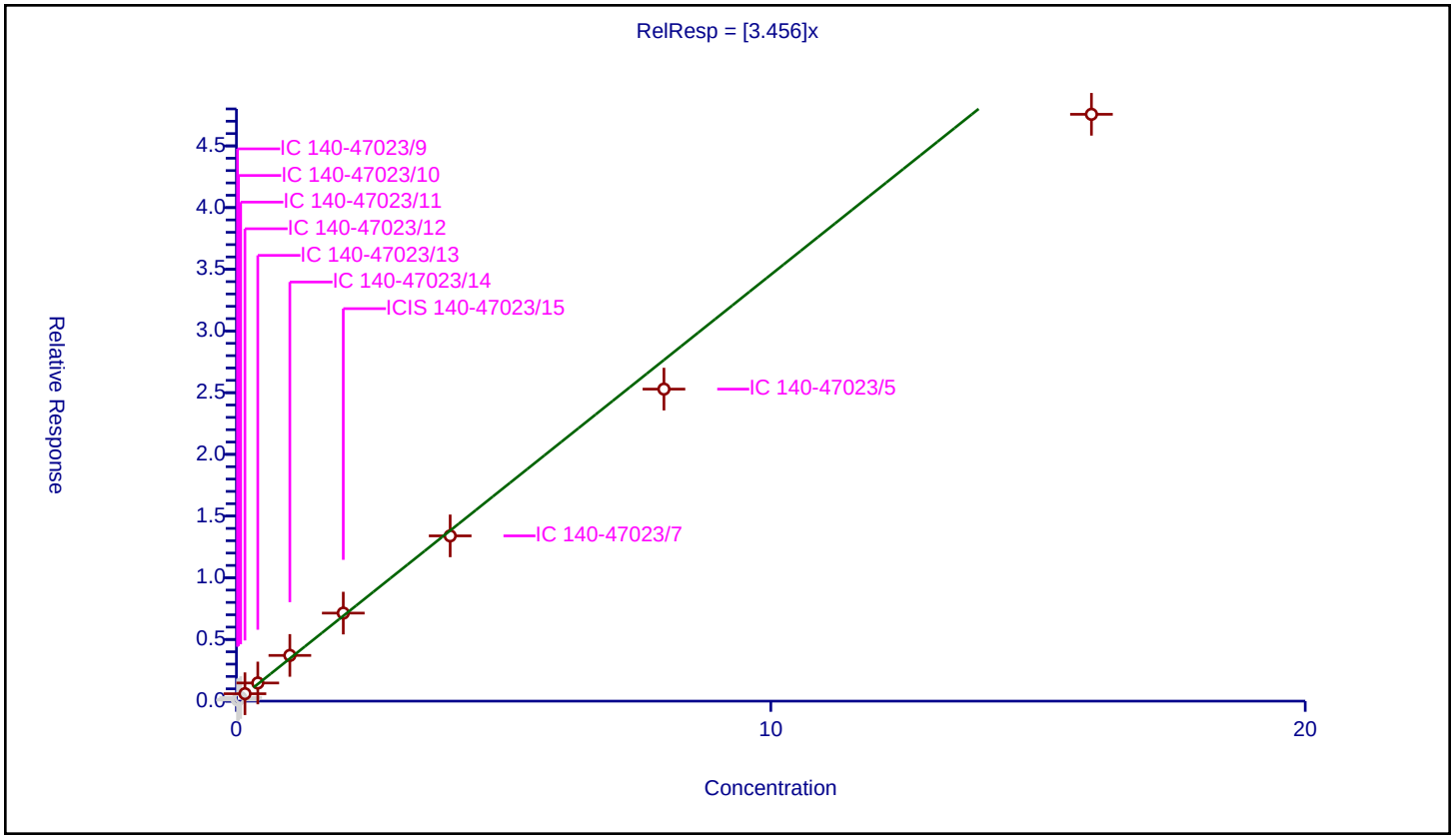
Curve Coefficients

Intercept:	0
Slope:	3.456

Error Coefficients

Standard Error:	7140000
Relative Standard Error:	8.7
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.089272	4.8	1678537.0	4.463601	N
2	IC 140-47023/10	0.04	0.151847	4.8	1646258.0	3.796173	N
3	IC 140-47023/11	0.08	0.292955	4.8	1618259.0	3.661935	N
4	IC 140-47023/12	0.16	0.601633	4.8	1625545.0	3.760204	Y
5	IC 140-47023/13	0.4	1.470255	4.8	1593346.0	3.675639	Y
6	IC 140-47023/14	1.0	3.706289	4.8	1616369.0	3.706289	Y
7	ICIS 140-47023/15	2.0	7.1359	4.8	1599046.0	3.56795	Y
8	IC 140-47023/7	4.0	13.394698	4.8	1617620.0	3.348674	Y
9	IC 140-47023/5	8.0	25.289874	4.8	1608645.0	3.161234	Y
10	IC 140-47023/3	16.0	47.561469	4.8	1448207.0	2.972592	Y



Calibration / n-Octane

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

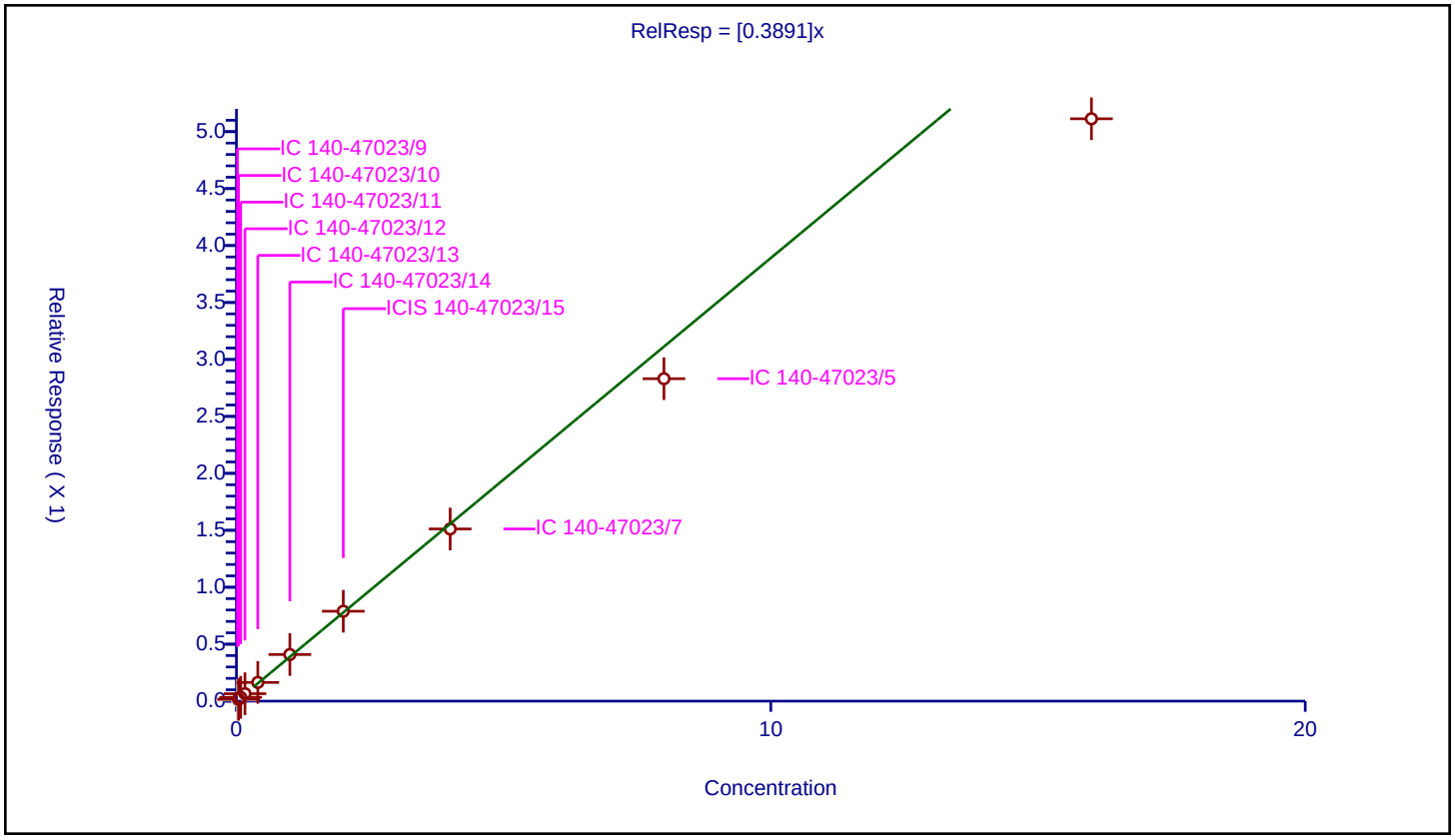
Curve Coefficients

Intercept:	0
Slope:	0.3891

Error Coefficients

Standard Error:	614000
Relative Standard Error:	8.5
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.009862	4.8	1384258.0	0.493087	N
2	IC 140-47023/10	0.04	0.016413	4.8	1332093.0	0.410332	Y
3	IC 140-47023/11	0.08	0.033316	4.8	1341030.0	0.416456	Y
4	IC 140-47023/12	0.16	0.0654	4.8	1331302.0	0.40875	Y
5	IC 140-47023/13	0.4	0.164309	4.8	1318219.0	0.410772	Y
6	IC 140-47023/14	1.0	0.409261	4.8	1345548.0	0.409261	Y
7	ICIS 140-47023/15	2.0	0.789377	4.8	1369524.0	0.394688	Y
8	IC 140-47023/7	4.0	1.511663	4.8	1406961.0	0.377916	Y
9	IC 140-47023/5	8.0	2.831014	4.8	1443289.0	0.353877	Y
10	IC 140-47023/3	16.0	5.11313	4.8	1337082.0	0.319571	Y



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

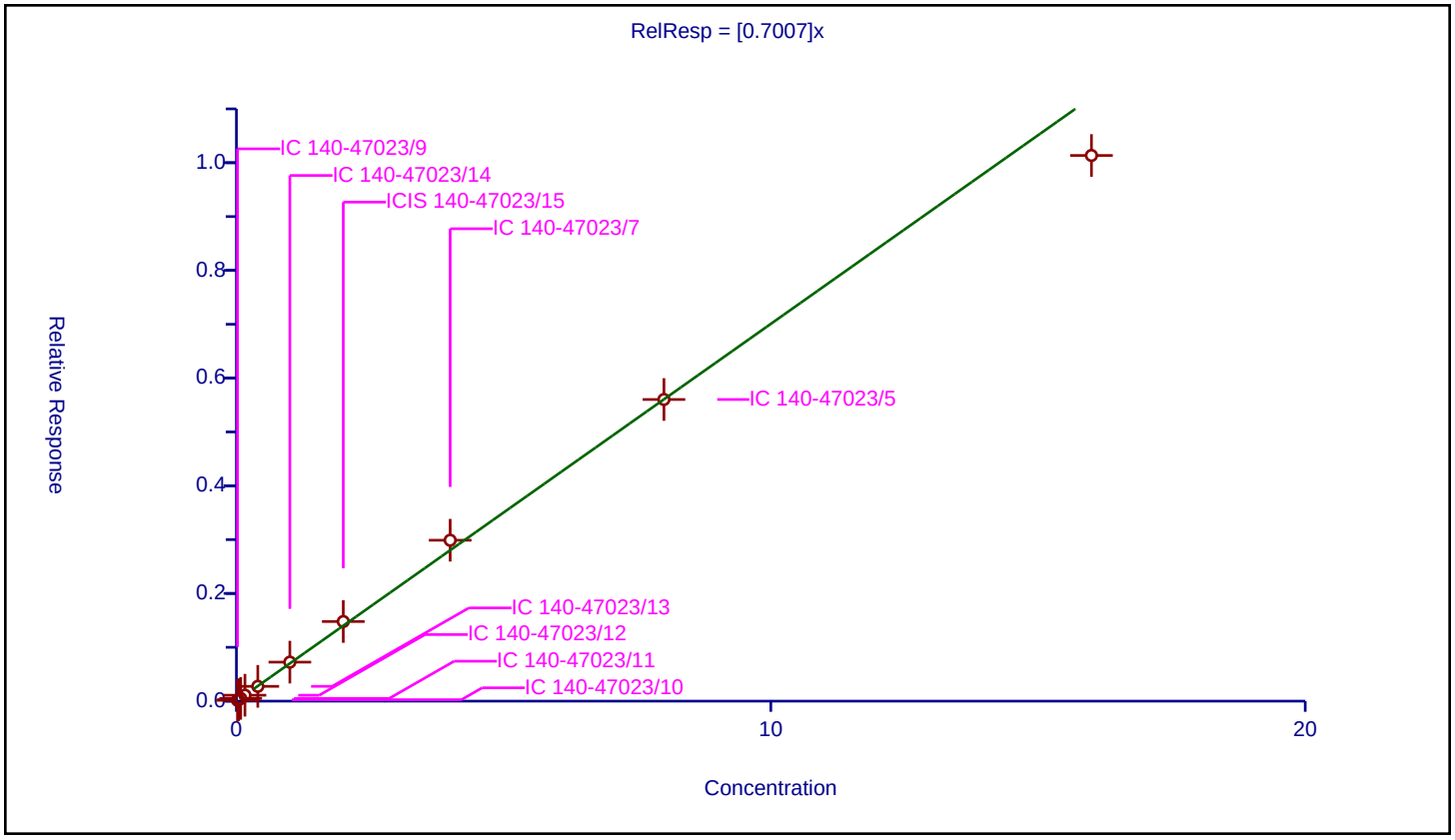
Curve Coefficients

Intercept:	0
Slope:	0.7007

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	6.3
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.015354	4.8	1384258.0	0.767718	Y
2	IC 140-47023/10	0.04	0.027112	4.8	1332093.0	0.677791	Y
3	IC 140-47023/11	0.08	0.051432	4.8	1341030.0	0.642894	Y
4	IC 140-47023/12	0.16	0.109928	4.8	1331302.0	0.687049	Y
5	IC 140-47023/13	0.4	0.274687	4.8	1318219.0	0.686717	Y
6	IC 140-47023/14	1.0	0.724633	4.8	1345548.0	0.724633	Y
7	ICIS 140-47023/15	2.0	1.478612	4.8	1369524.0	0.739306	Y
8	IC 140-47023/7	4.0	2.988409	4.8	1406961.0	0.747102	Y
9	IC 140-47023/5	8.0	5.602424	4.8	1443289.0	0.700303	Y
10	IC 140-47023/3	16.0	10.134591	4.8	1337082.0	0.633412	Y



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

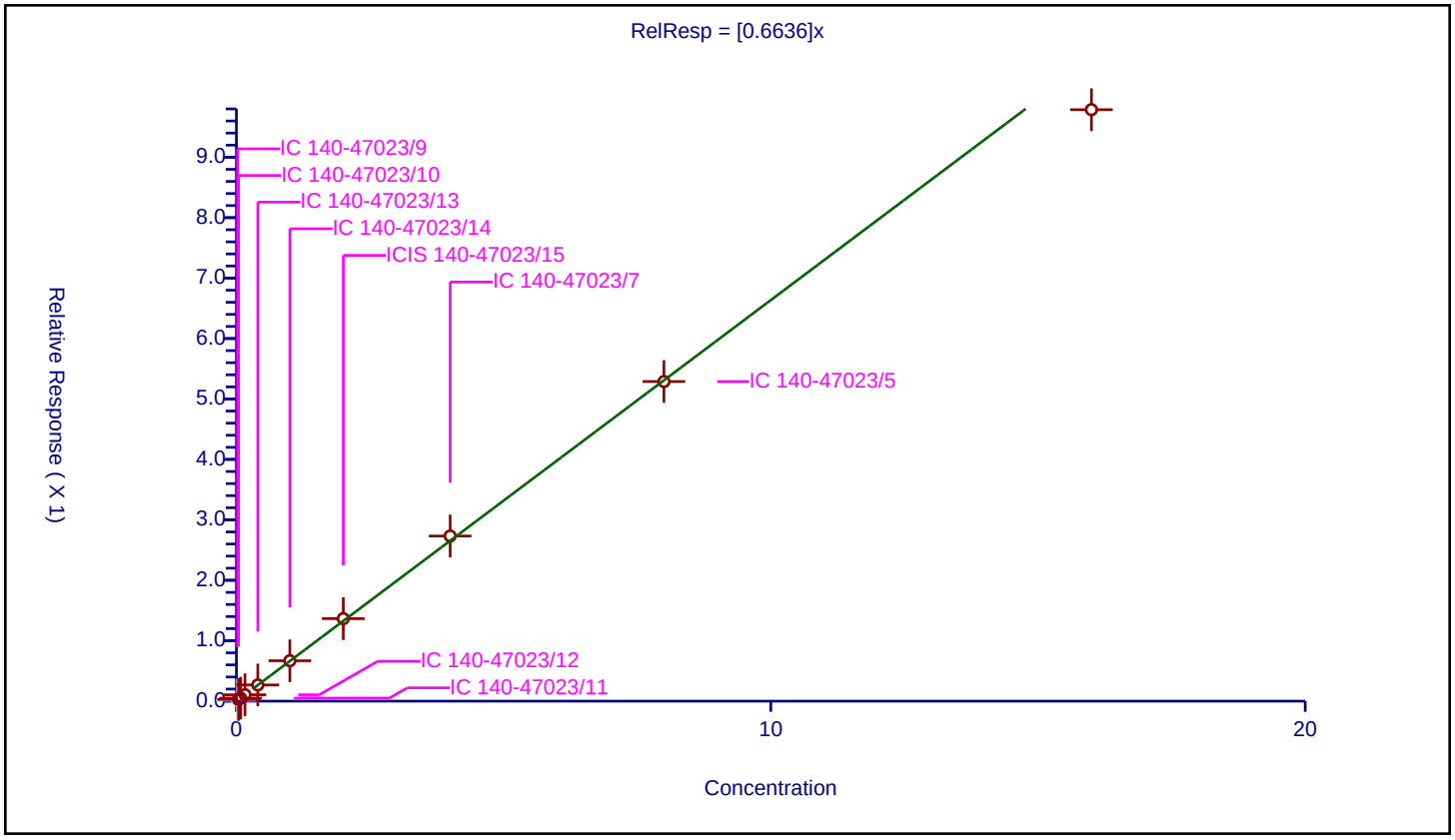
Curve Coefficients

Intercept:	0
Slope:	0.6636

Error Coefficients

Standard Error:	1160000
Relative Standard Error:	4.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.016936	4.8	1384258.0	0.846779	N
2	IC 140-47023/10	0.04	0.028607	4.8	1332093.0	0.715175	Y
3	IC 140-47023/11	0.08	0.049534	4.8	1341030.0	0.619181	Y
4	IC 140-47023/12	0.16	0.10576	4.8	1331302.0	0.661	Y
5	IC 140-47023/13	0.4	0.268002	4.8	1318219.0	0.670004	Y
6	IC 140-47023/14	1.0	0.668544	4.8	1345548.0	0.668544	Y
7	ICIS 140-47023/15	2.0	1.365163	4.8	1369524.0	0.682582	Y
8	IC 140-47023/7	4.0	2.732808	4.8	1406961.0	0.683202	Y
9	IC 140-47023/5	8.0	5.288867	4.8	1443289.0	0.661108	Y
10	IC 140-47023/3	16.0	9.786891	4.8	1337082.0	0.611681	Y



Calibration / Tetrachloroethene

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

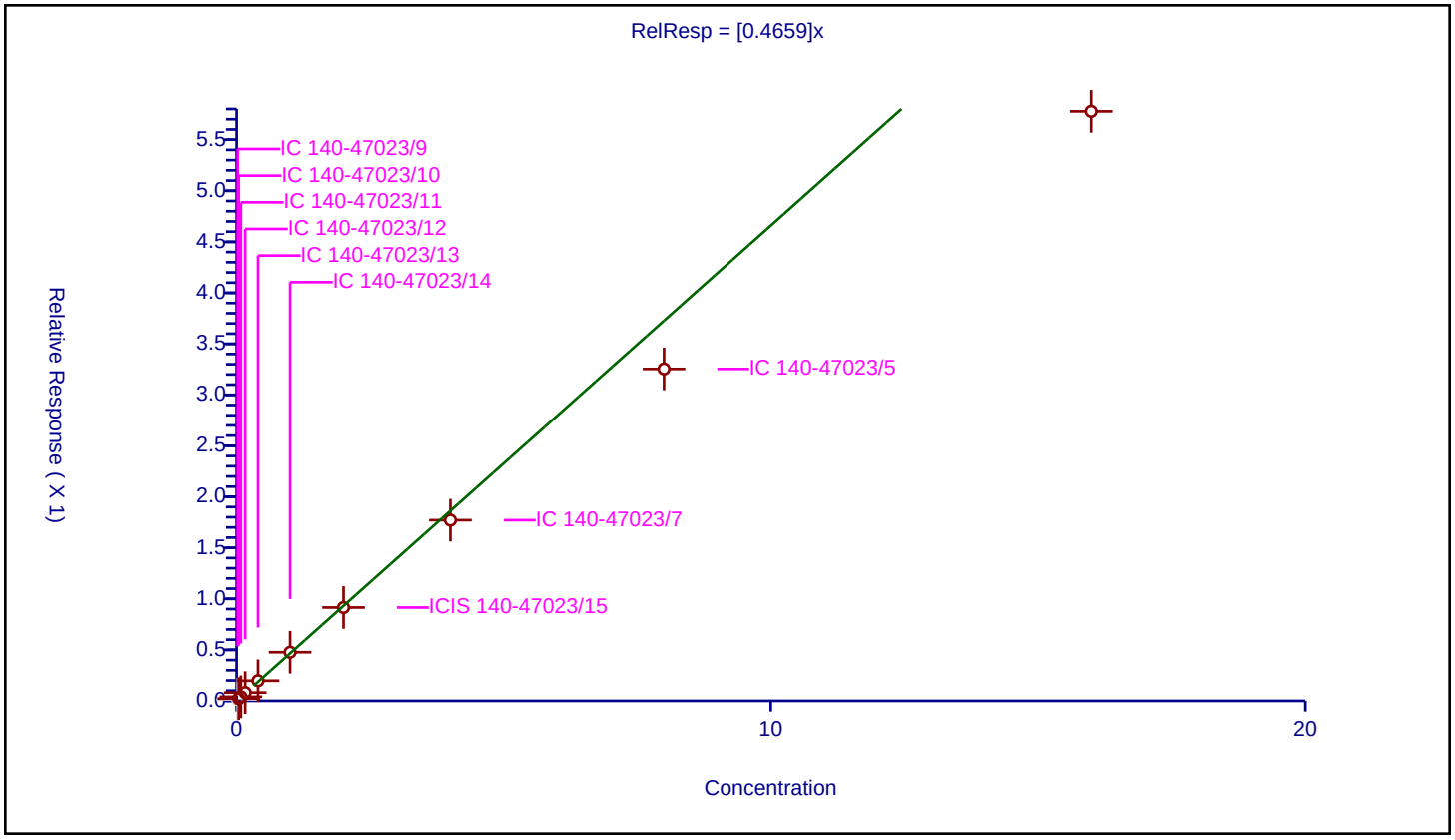
Curve Coefficients

Intercept:	0
Slope:	0.4659

Error Coefficients

Standard Error:	699000
Relative Standard Error:	12.2
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.013385	4.8	1384258.0	0.669239	N
2	IC 140-47023/10	0.04	0.02198	4.8	1332093.0	0.549511	Y
3	IC 140-47023/11	0.08	0.039956	4.8	1341030.0	0.499452	Y
4	IC 140-47023/12	0.16	0.080954	4.8	1331302.0	0.505963	Y
5	IC 140-47023/13	0.4	0.19727	4.8	1318219.0	0.493175	Y
6	IC 140-47023/14	1.0	0.47674	4.8	1345548.0	0.47674	Y
7	ICIS 140-47023/15	2.0	0.915201	4.8	1369524.0	0.457601	Y
8	IC 140-47023/7	4.0	1.771075	4.8	1406961.0	0.442769	Y
9	IC 140-47023/5	8.0	3.253941	4.8	1443289.0	0.406743	Y
10	IC 140-47023/3	16.0	5.776724	4.8	1337082.0	0.361045	Y



Calibration / Chlorobenzene

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

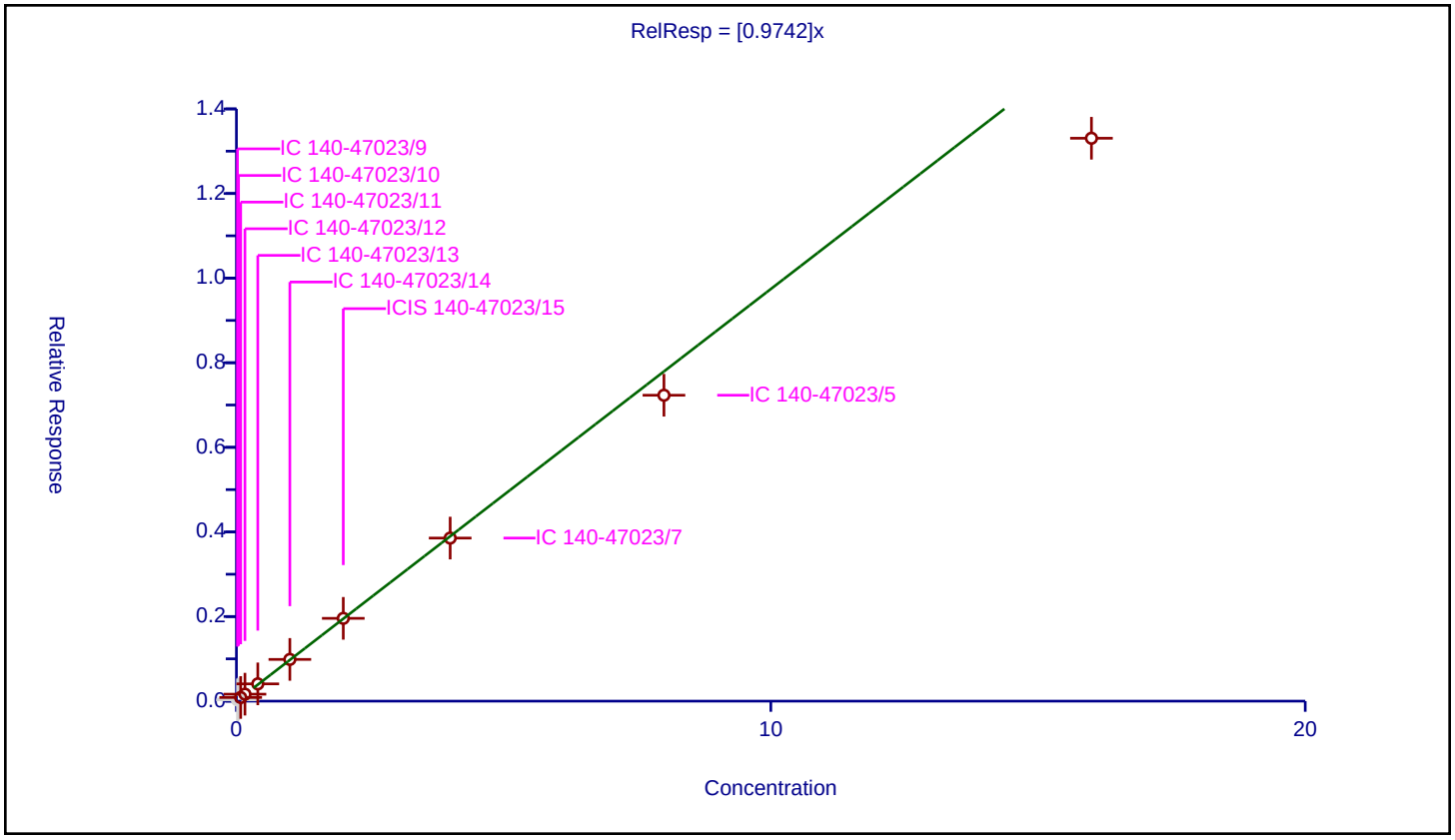
Curve Coefficients

Intercept:	0
Slope:	0.9742

Error Coefficients

Standard Error:	1700000
Relative Standard Error:	7.9
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.029998	4.8	1384258.0	1.499894	N
2	IC 140-47023/10	0.04	0.048022	4.8	1332093.0	1.200547	N
3	IC 140-47023/11	0.08	0.086276	4.8	1341030.0	1.078455	Y
4	IC 140-47023/12	0.16	0.164825	4.8	1331302.0	1.030157	Y
5	IC 140-47023/13	0.4	0.408362	4.8	1318219.0	1.020905	Y
6	IC 140-47023/14	1.0	0.98626	4.8	1345548.0	0.98626	Y
7	ICIS 140-47023/15	2.0	1.957058	4.8	1369524.0	0.978529	Y
8	IC 140-47023/7	4.0	3.854899	4.8	1406961.0	0.963725	Y
9	IC 140-47023/5	8.0	7.231094	4.8	1443289.0	0.903887	Y
10	IC 140-47023/3	16.0	13.305997	4.8	1337082.0	0.831625	Y



Calibration / Ethylbenzene

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

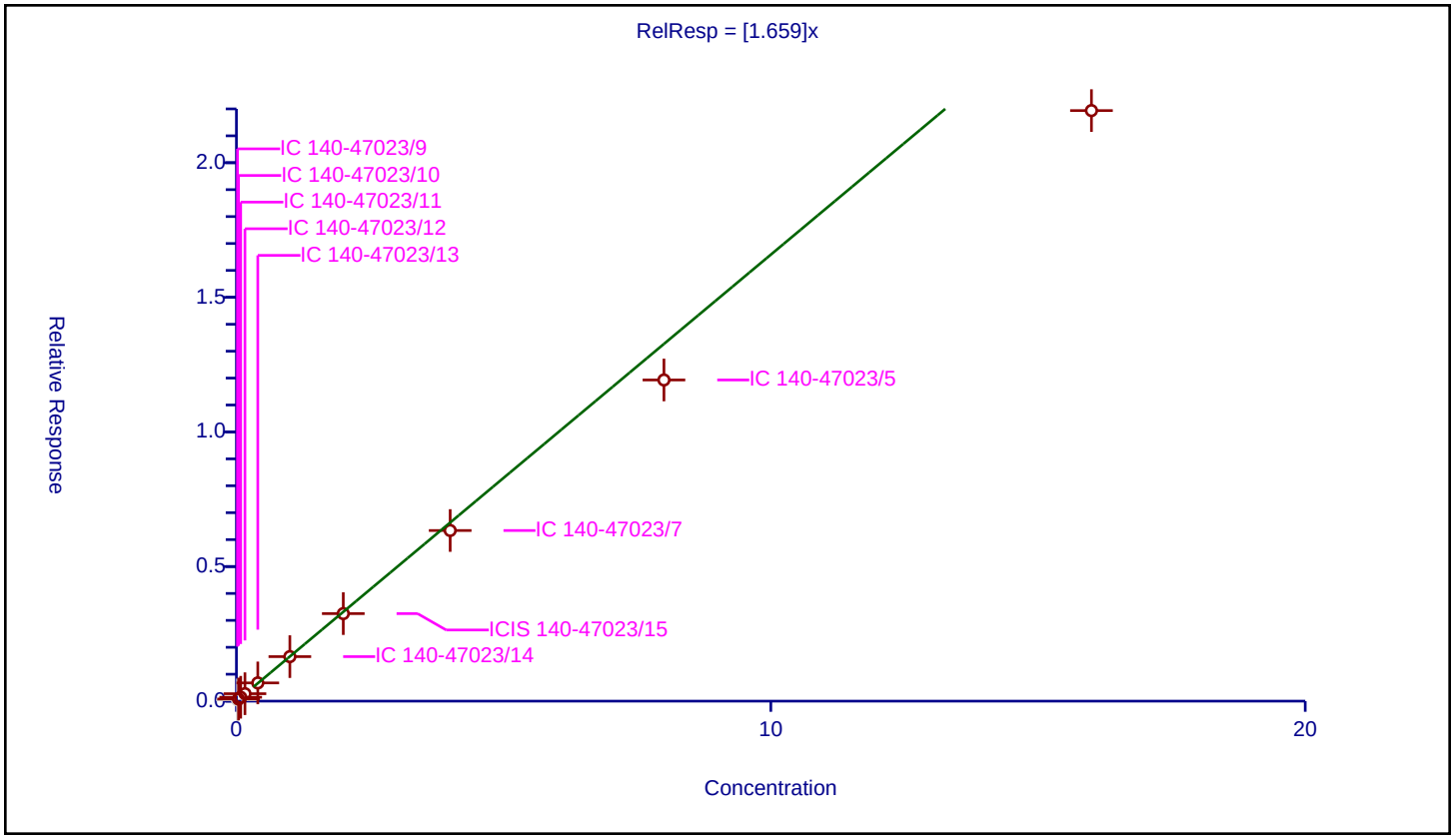
Curve Coefficients

Intercept:	0
Slope:	1.659

Error Coefficients

Standard Error:	2620000
Relative Standard Error:	10.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.048376	4.8	1384258.0	2.418798	N
2	IC 140-47023/10	0.04	0.079231	4.8	1332093.0	1.980763	Y
3	IC 140-47023/11	0.08	0.143714	4.8	1341030.0	1.796425	Y
4	IC 140-47023/12	0.16	0.276942	4.8	1331302.0	1.730885	Y
5	IC 140-47023/13	0.4	0.677059	4.8	1318219.0	1.692647	Y
6	IC 140-47023/14	1.0	1.653556	4.8	1345548.0	1.653556	Y
7	ICIS 140-47023/15	2.0	3.251532	4.8	1369524.0	1.625766	Y
8	IC 140-47023/7	4.0	6.338373	4.8	1406961.0	1.584593	Y
9	IC 140-47023/5	8.0	11.930447	4.8	1443289.0	1.491306	Y
10	IC 140-47023/3	16.0	21.936974	4.8	1337082.0	1.371061	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

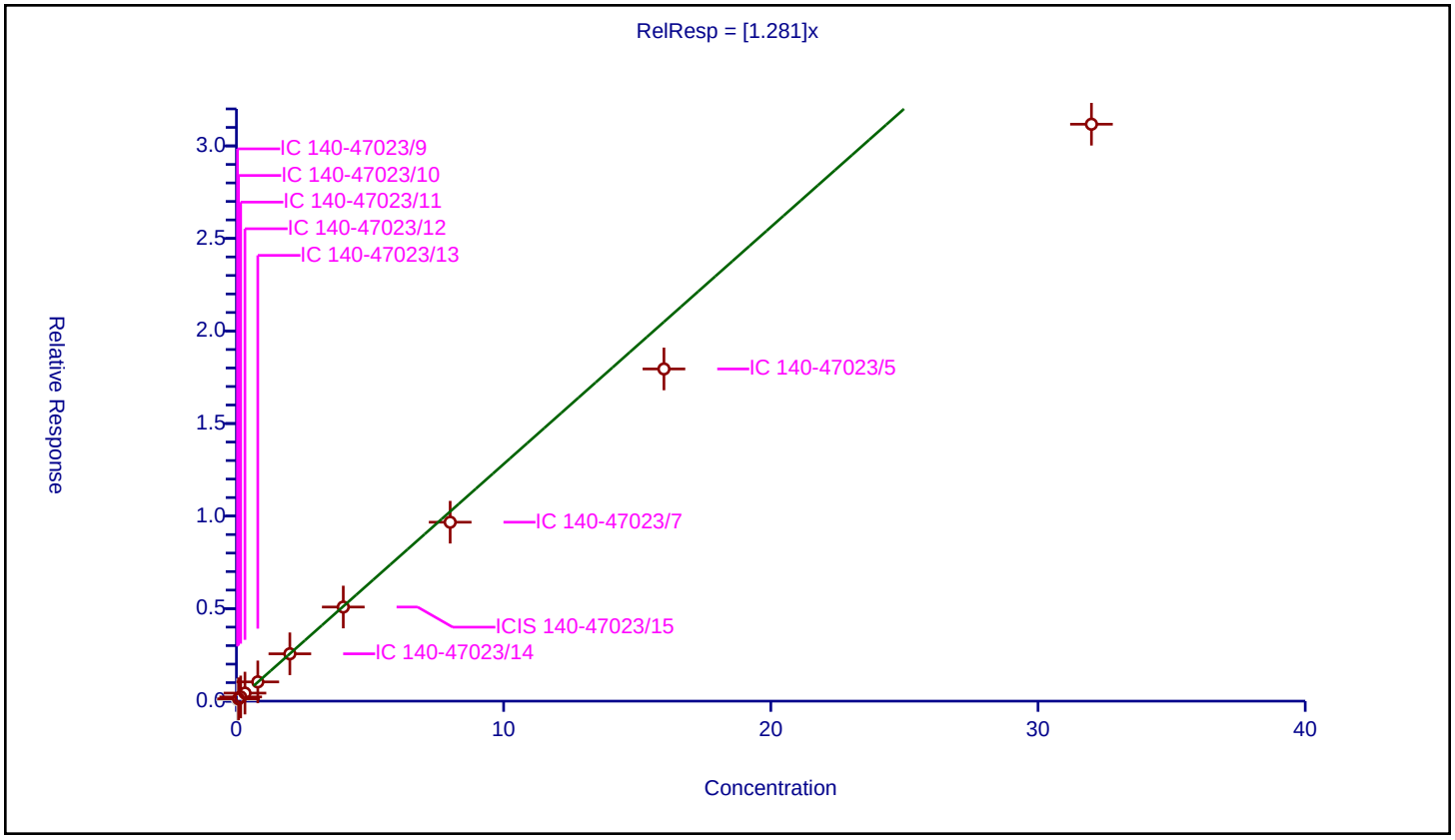
Curve Coefficients

Intercept:	0
Slope:	1.281

Error Coefficients

Standard Error:	3800000
Relative Standard Error:	13.8
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.04	0.077531	4.8	1384258.0	1.93828	N
2	IC 140-47023/10	0.08	0.127915	4.8	1332093.0	1.598942	Y
3	IC 140-47023/11	0.16	0.226297	4.8	1341030.0	1.414353	Y
4	IC 140-47023/12	0.32	0.434794	4.8	1331302.0	1.35873	Y
5	IC 140-47023/13	0.8	1.039818	4.8	1318219.0	1.299772	Y
6	IC 140-47023/14	2.0	2.557982	4.8	1345548.0	1.278991	Y
7	ICIS 140-47023/15	4.0	5.085145	4.8	1369524.0	1.271286	Y
8	IC 140-47023/7	8.0	9.667703	4.8	1406961.0	1.208463	Y
9	IC 140-47023/5	16.0	17.949017	4.8	1443289.0	1.121814	Y
10	IC 140-47023/3	32.0	31.171895	4.8	1337082.0	0.974122	Y



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

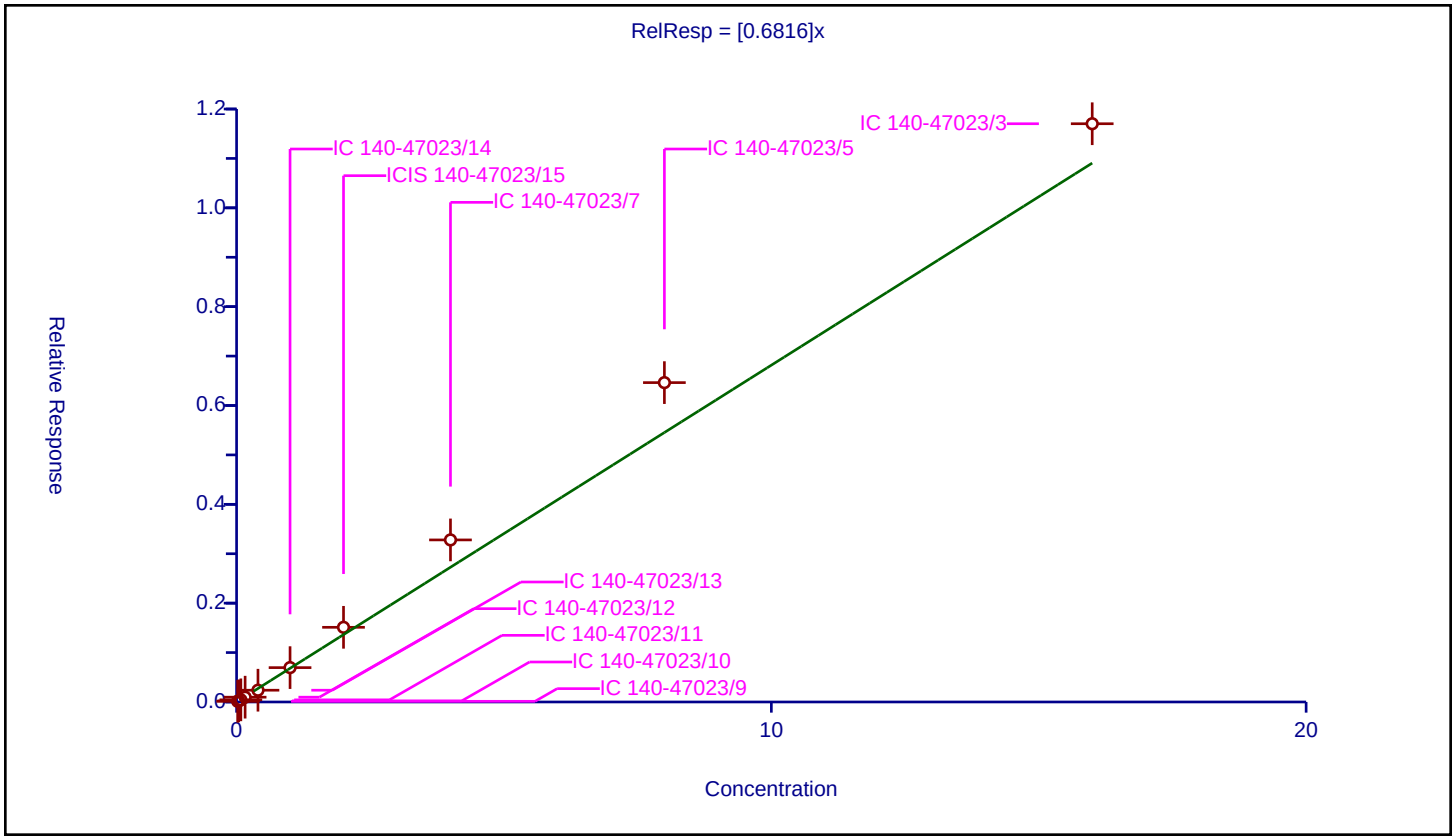
Curve Coefficients

Intercept:	0
Slope:	0.6816

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	14.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.013621	4.8	1384258.0	0.681029	Y
2	IC 140-47023/10	0.04	0.023094	4.8	1332093.0	0.577347	Y
3	IC 140-47023/11	0.08	0.04355	4.8	1341030.0	0.544373	Y
4	IC 140-47023/12	0.16	0.097204	4.8	1331302.0	0.607526	Y
5	IC 140-47023/13	0.4	0.238139	4.8	1318219.0	0.595349	Y
6	IC 140-47023/14	1.0	0.695613	4.8	1345548.0	0.695613	Y
7	ICIS 140-47023/15	2.0	1.51111	4.8	1369524.0	0.755555	Y
8	IC 140-47023/7	4.0	3.279849	4.8	1406961.0	0.819962	Y
9	IC 140-47023/5	8.0	6.463098	4.8	1443289.0	0.807887	Y
10	IC 140-47023/3	16.0	11.702246	4.8	1337082.0	0.73139	Y



Calibration / n-Nonane

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

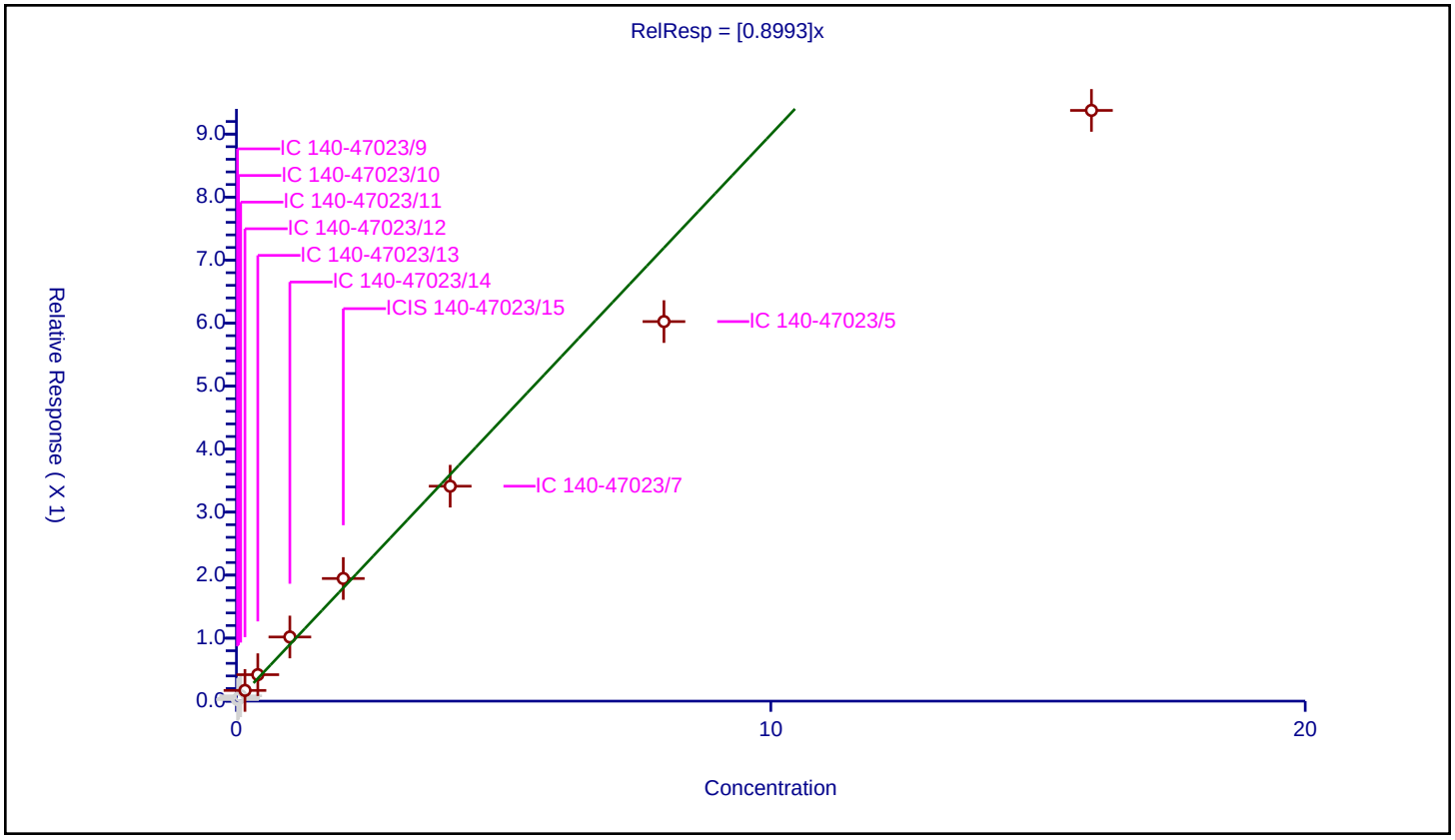
Curve Coefficients

Intercept:	0
Slope:	0.8993

Error Coefficients

Standard Error:	1380000
Relative Standard Error:	19.8
Correlation Coefficient:	0.962
Coefficient of Determination (Adjusted):	0.941

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.024644	4.8	1384258.0	1.232198	N
2	IC 140-47023/10	0.04	0.04457	4.8	1332093.0	1.114247	N
3	IC 140-47023/11	0.08	0.084401	4.8	1341030.0	1.05501	N
4	IC 140-47023/12	0.16	0.169949	4.8	1331302.0	1.062178	Y
5	IC 140-47023/13	0.4	0.419792	4.8	1318219.0	1.04948	Y
6	IC 140-47023/14	1.0	1.018334	4.8	1345548.0	1.018334	Y
7	ICIS 140-47023/15	2.0	1.94654	4.8	1369524.0	0.97327	Y
8	IC 140-47023/7	4.0	3.411561	4.8	1406961.0	0.85289	Y
9	IC 140-47023/5	8.0	6.024573	4.8	1443289.0	0.753072	Y
10	IC 140-47023/3	16.0	9.375965	4.8	1337082.0	0.585998	Y



Calibration / Styrene

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

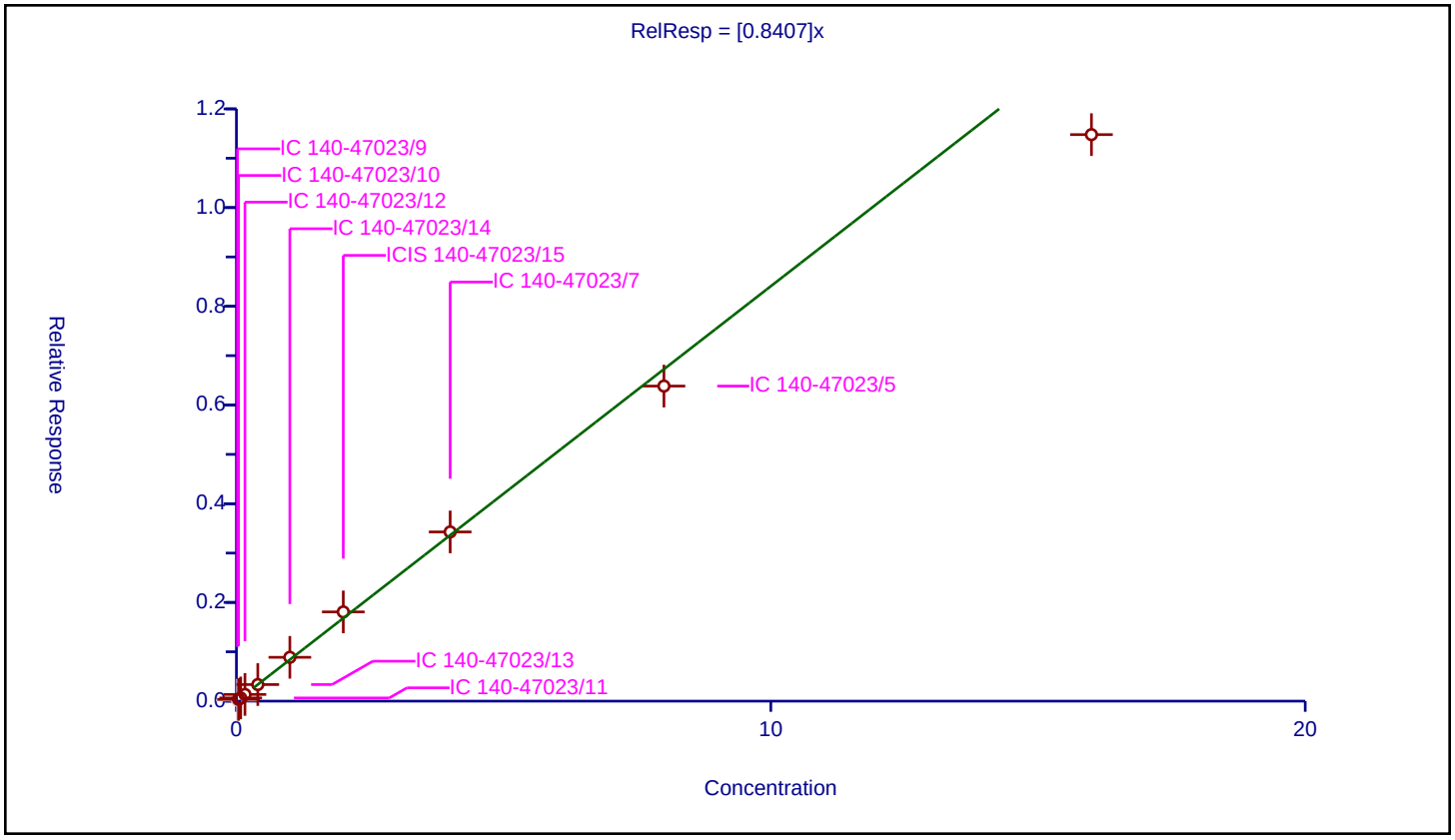
Curve Coefficients

Intercept:	0
Slope:	0.8407

Error Coefficients

Standard Error:	1380000
Relative Standard Error:	7.2
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.021534	4.8	1384258.0	1.076678	N
2	IC 140-47023/10	0.04	0.036286	4.8	1332093.0	0.907144	Y
3	IC 140-47023/11	0.08	0.064532	4.8	1341030.0	0.806649	Y
4	IC 140-47023/12	0.16	0.135657	4.8	1331302.0	0.847854	Y
5	IC 140-47023/13	0.4	0.336068	4.8	1318219.0	0.84017	Y
6	IC 140-47023/14	1.0	0.888241	4.8	1345548.0	0.888241	Y
7	ICIS 140-47023/15	2.0	1.807965	4.8	1369524.0	0.903982	Y
8	IC 140-47023/7	4.0	3.428496	4.8	1406961.0	0.857124	Y
9	IC 140-47023/5	8.0	6.383663	4.8	1443289.0	0.797958	Y
10	IC 140-47023/3	16.0	11.478473	4.8	1337082.0	0.717405	Y



Calibration / o-Xylene

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

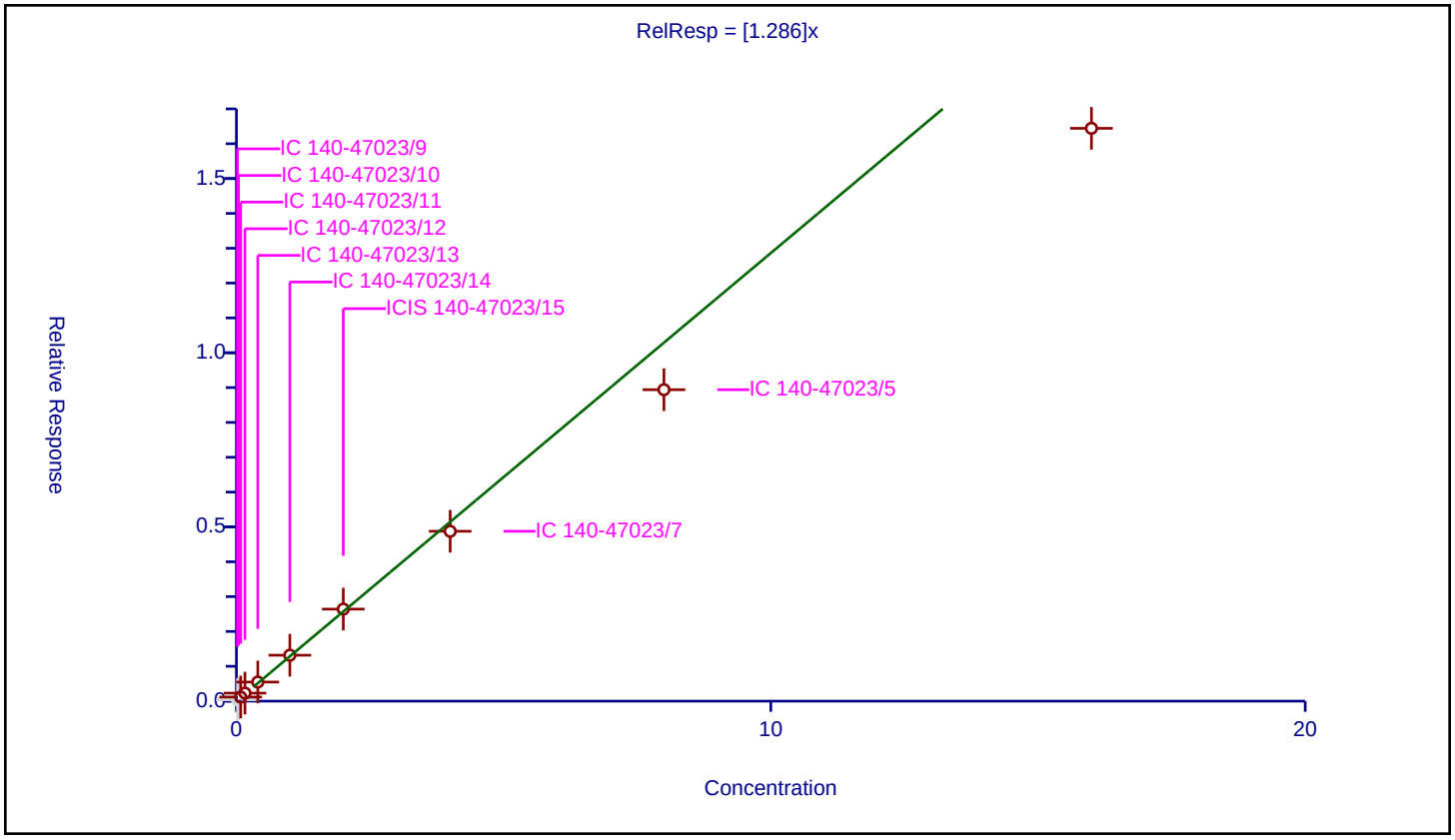
Curve Coefficients

Intercept:	0
Slope:	1.286

Error Coefficients

Standard Error:	2100000
Relative Standard Error:	12.1
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.038271	4.8	1384258.0	1.913574	N
2	IC 140-47023/10	0.04	0.066976	4.8	1332093.0	1.674388	N
3	IC 140-47023/11	0.08	0.117846	4.8	1341030.0	1.473077	Y
4	IC 140-47023/12	0.16	0.230856	4.8	1331302.0	1.442851	Y
5	IC 140-47023/13	0.4	0.548085	4.8	1318219.0	1.370212	Y
6	IC 140-47023/14	1.0	1.318274	4.8	1345548.0	1.318274	Y
7	ICIS 140-47023/15	2.0	2.641485	4.8	1369524.0	1.320743	Y
8	IC 140-47023/7	4.0	4.876406	4.8	1406961.0	1.219102	Y
9	IC 140-47023/5	8.0	8.939535	4.8	1443289.0	1.117442	Y
10	IC 140-47023/3	16.0	16.442108	4.8	1337082.0	1.027632	Y



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

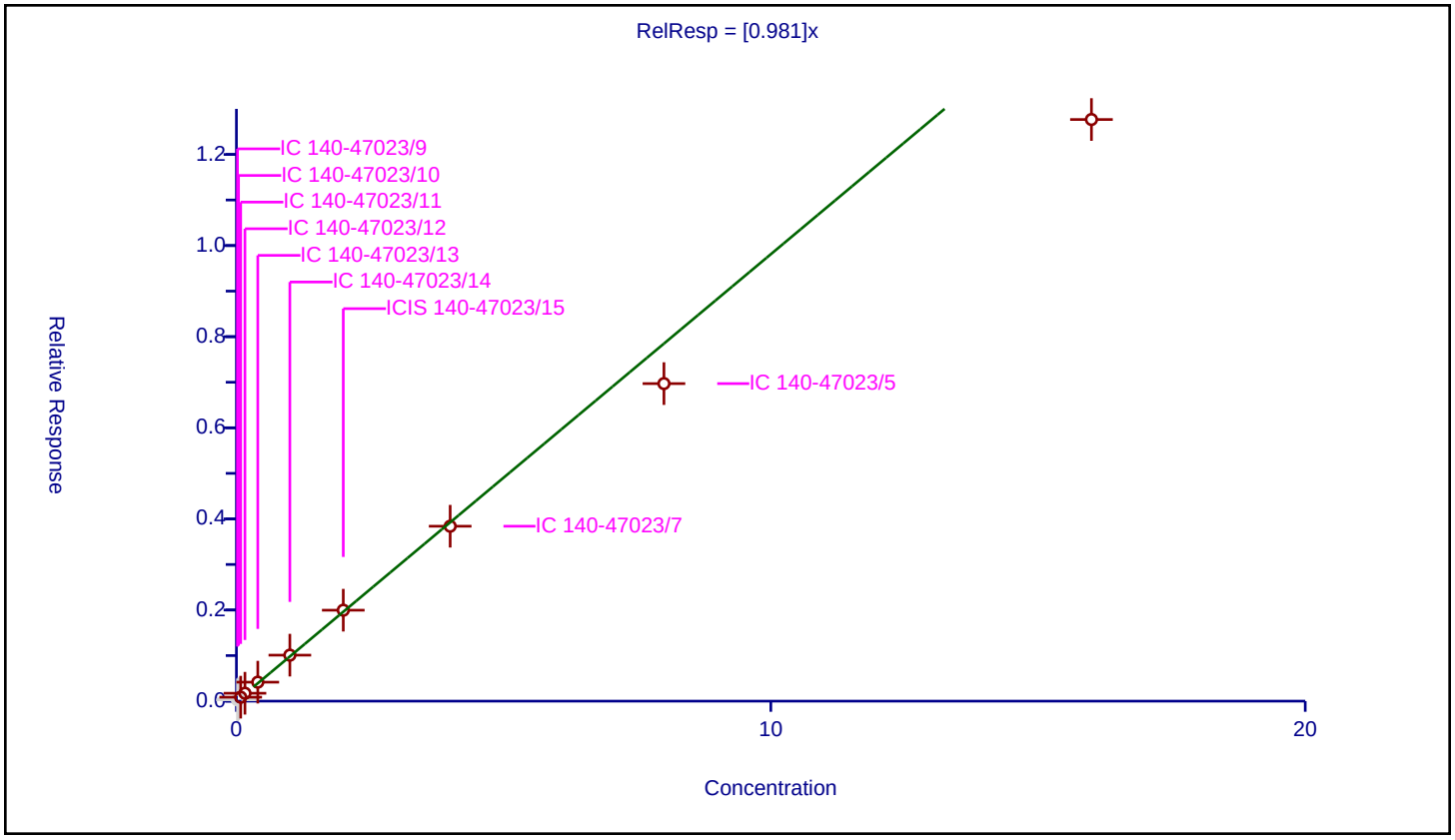
Curve Coefficients

Intercept:	0
Slope:	0.981

Error Coefficients

Standard Error:	1640000
Relative Standard Error:	10.4
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.028195	4.8	1384258.0	1.409737	N
2	IC 140-47023/10	0.04	0.048577	4.8	1332093.0	1.21442	N
3	IC 140-47023/11	0.08	0.086989	4.8	1341030.0	1.087358	Y
4	IC 140-47023/12	0.16	0.173345	4.8	1331302.0	1.083406	Y
5	IC 140-47023/13	0.4	0.416398	4.8	1318219.0	1.040995	Y
6	IC 140-47023/14	1.0	1.009063	4.8	1345548.0	1.009063	Y
7	ICIS 140-47023/15	2.0	1.996068	4.8	1369524.0	0.998034	Y
8	IC 140-47023/7	4.0	3.839687	4.8	1406961.0	0.959922	Y
9	IC 140-47023/5	8.0	6.970376	4.8	1443289.0	0.871297	Y
10	IC 140-47023/3	16.0	12.766495	4.8	1337082.0	0.797906	Y



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

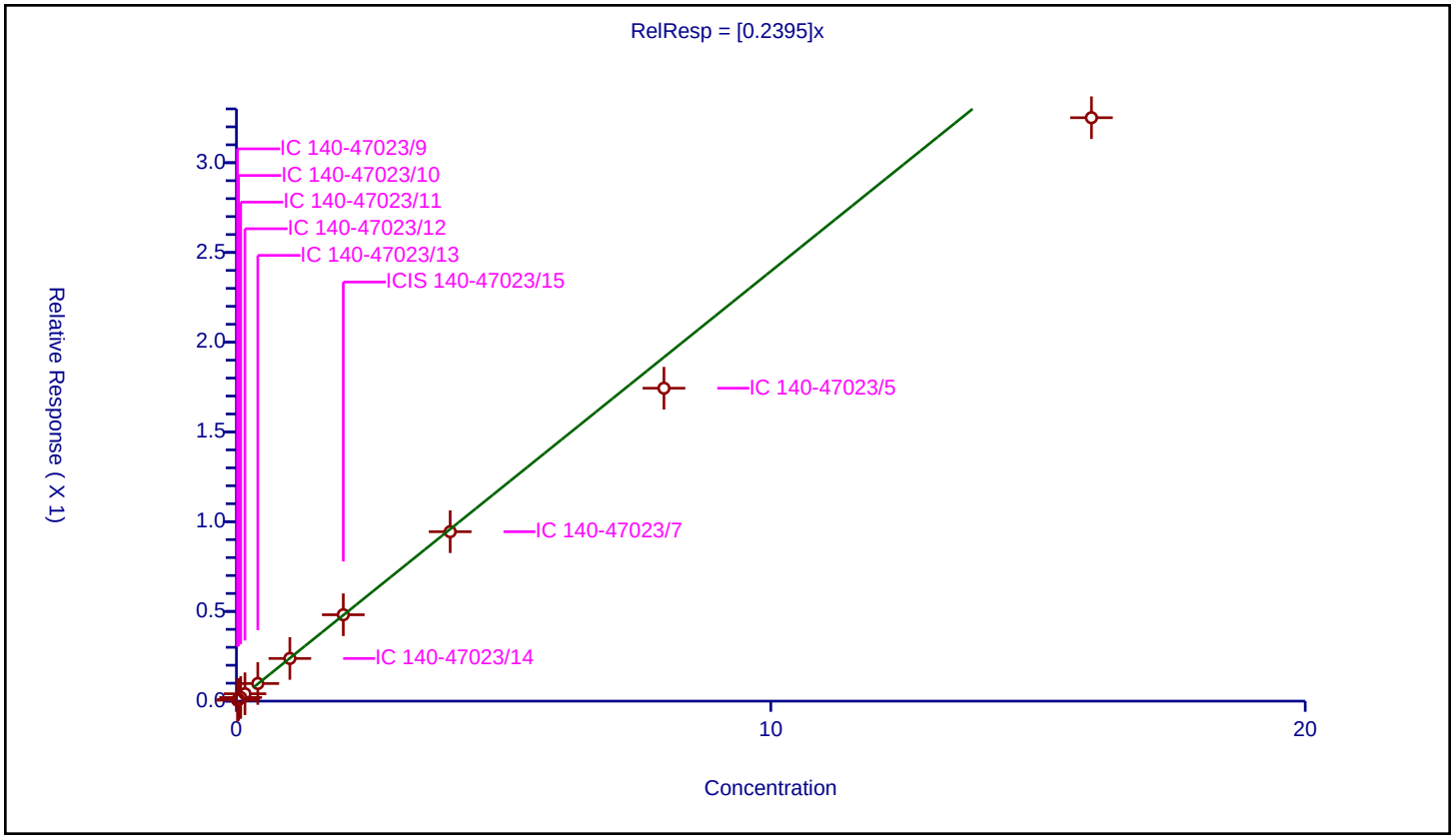
Curve Coefficients

Intercept:	0
Slope:	0.2395

Error Coefficients

Standard Error:	364000
Relative Standard Error:	7.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.005243	4.8	1384258.0	0.262148	Y
2	IC 140-47023/10	0.04	0.009639	4.8	1332093.0	0.240974	Y
3	IC 140-47023/11	0.08	0.020327	4.8	1341030.0	0.254088	Y
4	IC 140-47023/12	0.16	0.041157	4.8	1331302.0	0.257229	Y
5	IC 140-47023/13	0.4	0.098132	4.8	1318219.0	0.245331	Y
6	IC 140-47023/14	1.0	0.237744	4.8	1345548.0	0.237744	Y
7	ICIS 140-47023/15	2.0	0.48138	4.8	1369524.0	0.24069	Y
8	IC 140-47023/7	4.0	0.944016	4.8	1406961.0	0.236004	Y
9	IC 140-47023/5	8.0	1.743664	4.8	1443289.0	0.217958	Y
10	IC 140-47023/3	16.0	3.250812	4.8	1337082.0	0.203176	Y



Calibration / Isopropylbenzene

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

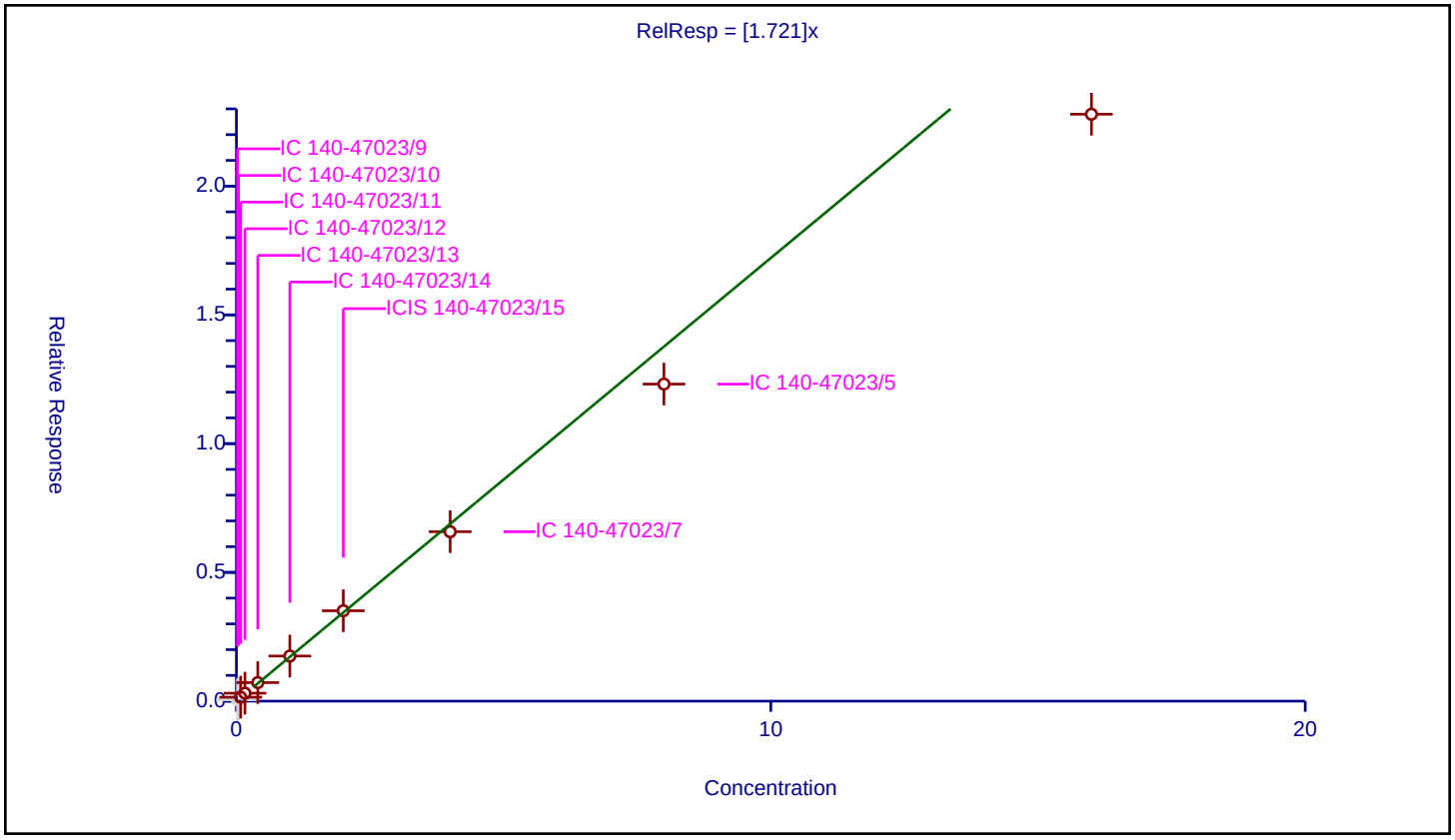
Curve Coefficients

Intercept:	0
Slope:	1.721

Error Coefficients

Standard Error:	2900000
Relative Standard Error:	10.3
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.050918	4.8	1384258.0	2.545884	N
2	IC 140-47023/10	0.04	0.088361	4.8	1332093.0	2.209035	N
3	IC 140-47023/11	0.08	0.154005	4.8	1341030.0	1.925058	Y
4	IC 140-47023/12	0.16	0.308259	4.8	1331302.0	1.926618	Y
5	IC 140-47023/13	0.4	0.719997	4.8	1318219.0	1.799992	Y
6	IC 140-47023/14	1.0	1.752589	4.8	1345548.0	1.752589	Y
7	ICIS 140-47023/15	2.0	3.509771	4.8	1369524.0	1.754885	Y
8	IC 140-47023/7	4.0	6.579567	4.8	1406961.0	1.644892	Y
9	IC 140-47023/5	8.0	12.31326	4.8	1443289.0	1.539157	Y
10	IC 140-47023/3	16.0	22.792826	4.8	1337082.0	1.424552	Y



Calibration / 4-Bromofluorobenzene (Surr)

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

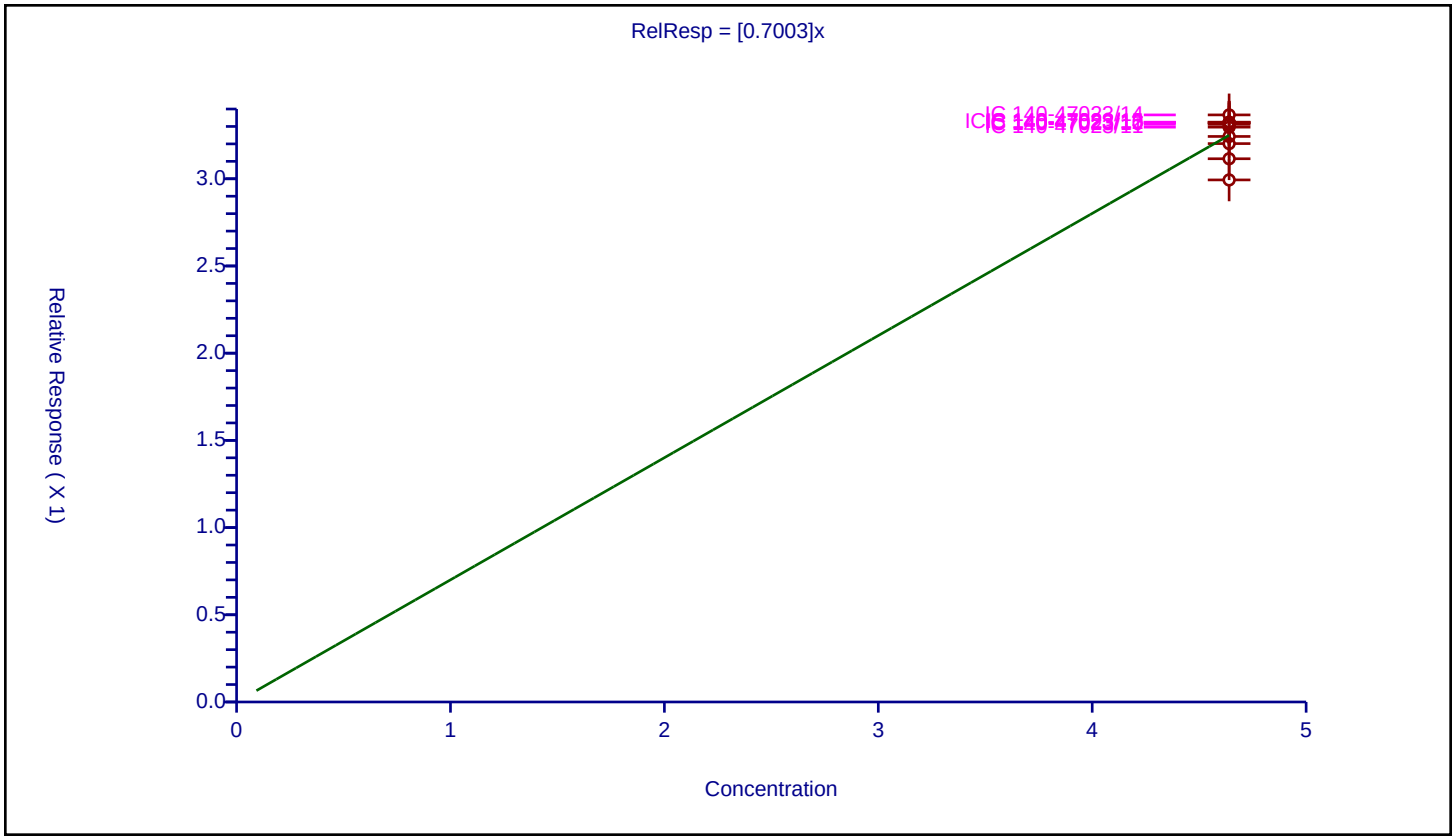
Curve Coefficients

Intercept:	0
Slope:	0.7003

Error Coefficients

Standard Error:	971000
Relative Standard Error:	3.6
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/3	4.64	2.993404	4.8	1337082.0	0.64513	Y
2	IC 140-47023/5	4.64	3.114772	4.8	1443289.0	0.671287	Y
3	IC 140-47023/7	4.64	3.201689	4.8	1406961.0	0.690019	Y
4	IC 140-47023/9	4.64	3.242593	4.8	1384258.0	0.698835	Y
5	IC 140-47023/10	4.64	3.312079	4.8	1332093.0	0.71381	Y
6	IC 140-47023/11	4.64	3.295969	4.8	1341030.0	0.710338	Y
7	IC 140-47023/12	4.64	3.320551	4.8	1331302.0	0.715636	Y
8	IC 140-47023/13	4.64	3.323102	4.8	1318219.0	0.716186	Y
9	IC 140-47023/14	4.64	3.366269	4.8	1345548.0	0.725489	Y
10	ICIS 140-47023/15	4.64	3.324672	4.8	1369524.0	0.716524	Y



Calibration / N-Propylbenzene

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

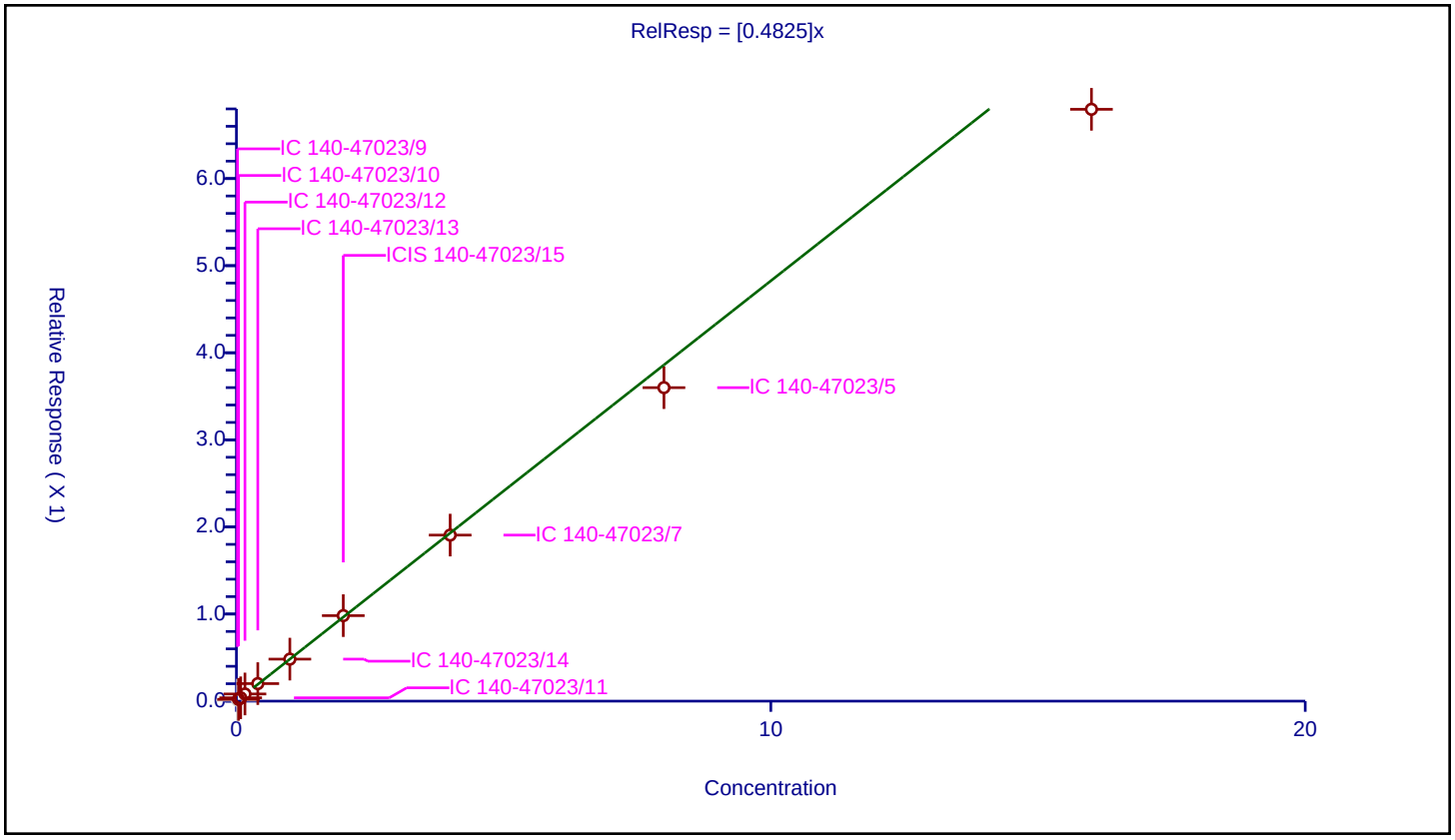
Curve Coefficients

Intercept:	0
Slope:	0.4825

Error Coefficients

Standard Error:	804000
Relative Standard Error:	6.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.011356	4.8	1384258.0	0.567813	N
2	IC 140-47023/10	0.04	0.020766	4.8	1332093.0	0.519153	Y
3	IC 140-47023/11	0.08	0.038507	4.8	1341030.0	0.481332	Y
4	IC 140-47023/12	0.16	0.082313	4.8	1331302.0	0.514459	Y
5	IC 140-47023/13	0.4	0.201359	4.8	1318219.0	0.503397	Y
6	IC 140-47023/14	1.0	0.482373	4.8	1345548.0	0.482373	Y
7	ICIS 140-47023/15	2.0	0.98178	4.8	1369524.0	0.49089	Y
8	IC 140-47023/7	4.0	1.906646	4.8	1406961.0	0.476661	Y
9	IC 140-47023/5	8.0	3.599529	4.8	1443289.0	0.449941	Y
10	IC 140-47023/3	16.0	6.795109	4.8	1337082.0	0.424694	Y



Calibration / 2-Chlorotoluene

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

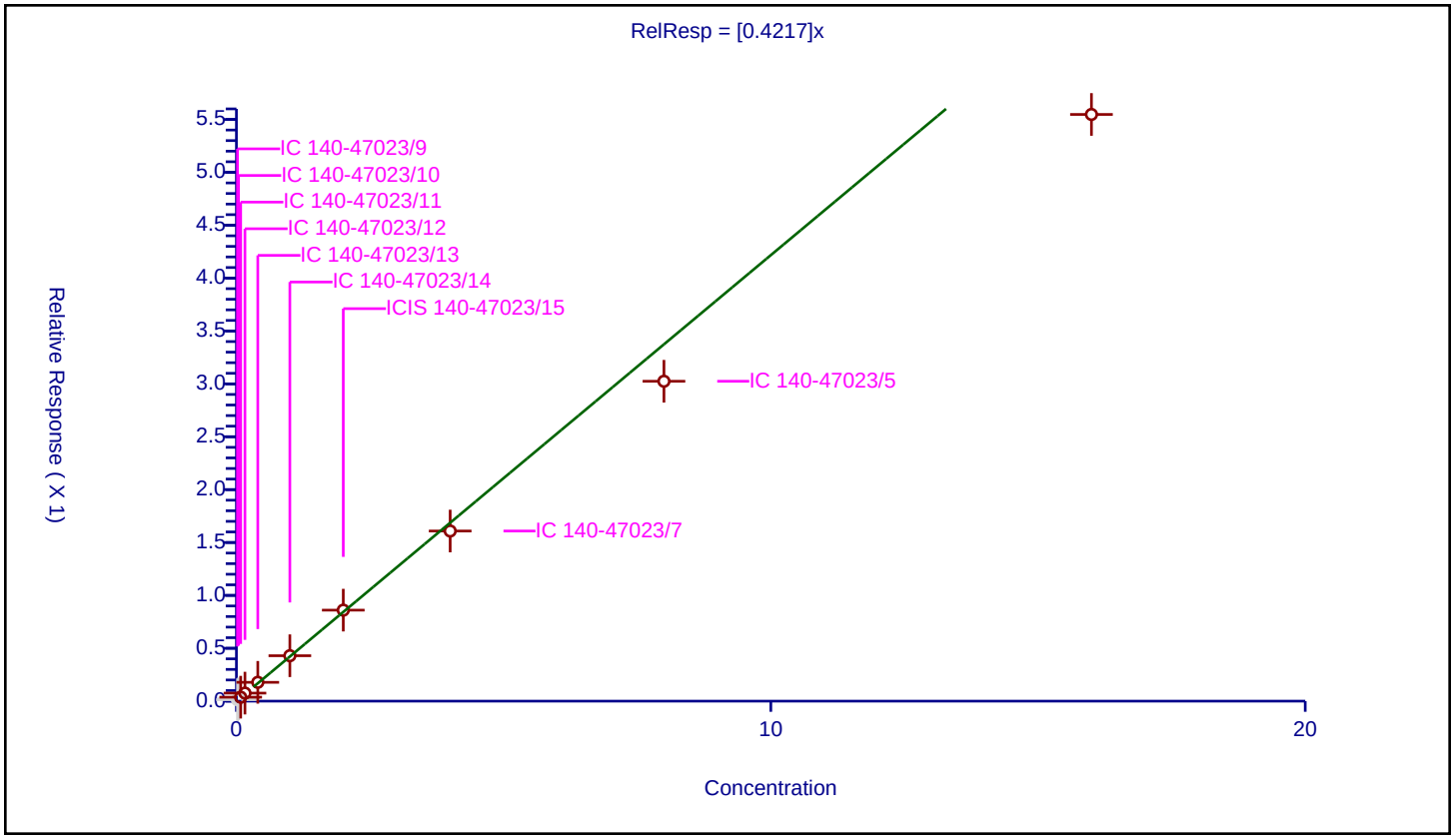
Curve Coefficients

Intercept:	0
Slope:	0.4217

Error Coefficients

Standard Error:	709000
Relative Standard Error:	10.4
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.01343	4.8	1384258.0	0.671493	N
2	IC 140-47023/10	0.04	0.021523	4.8	1332093.0	0.538071	N
3	IC 140-47023/11	0.08	0.037418	4.8	1341030.0	0.46773	Y
4	IC 140-47023/12	0.16	0.07587	4.8	1331302.0	0.47419	Y
5	IC 140-47023/13	0.4	0.177949	4.8	1318219.0	0.444873	Y
6	IC 140-47023/14	1.0	0.429623	4.8	1345548.0	0.429623	Y
7	ICIS 140-47023/15	2.0	0.860505	4.8	1369524.0	0.430252	Y
8	IC 140-47023/7	4.0	1.60872	4.8	1406961.0	0.40218	Y
9	IC 140-47023/5	8.0	3.024595	4.8	1443289.0	0.378074	Y
10	IC 140-47023/3	16.0	5.547408	4.8	1337082.0	0.346713	Y



Calibration / 4-Ethyltoluene

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

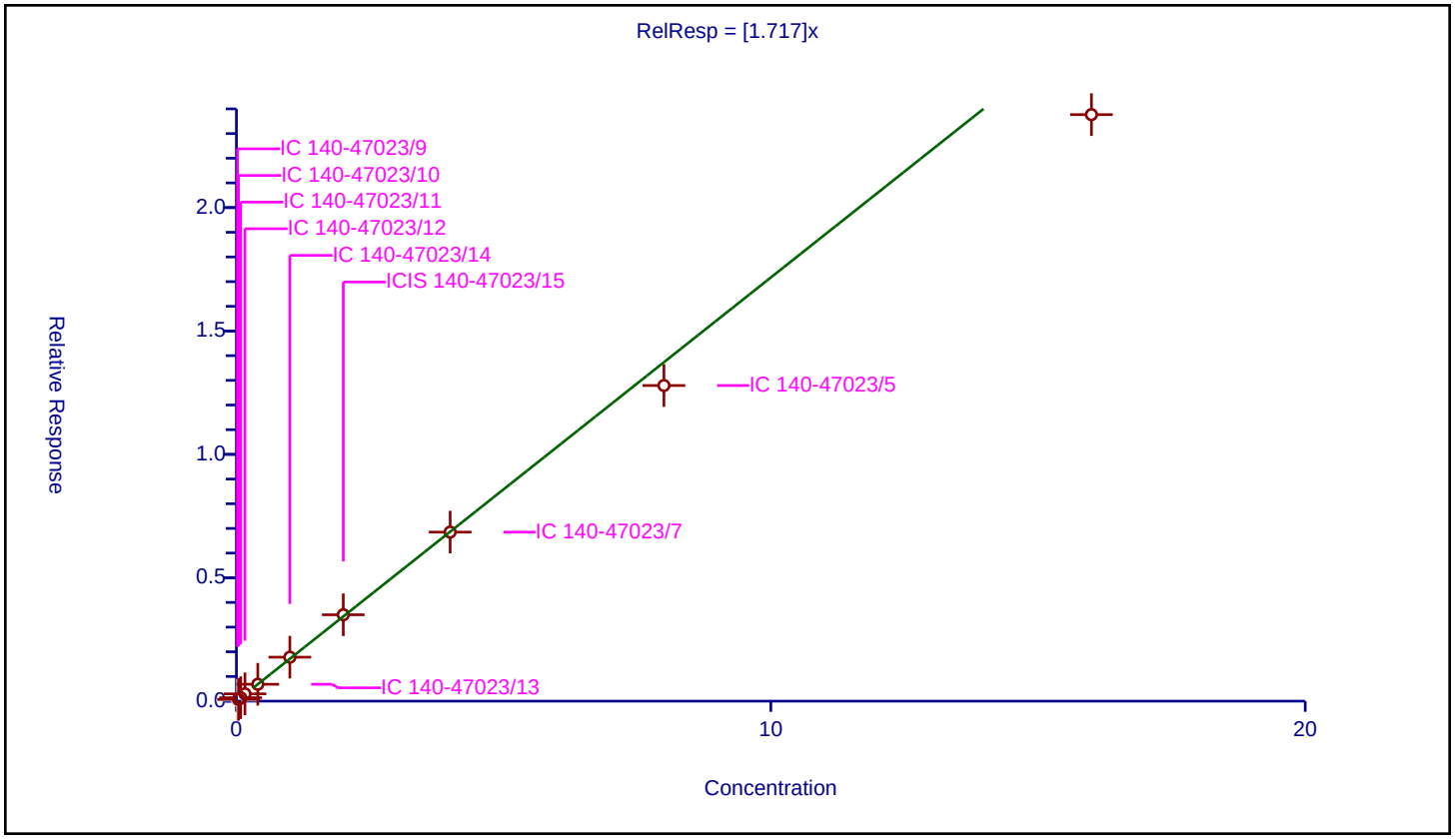
Curve Coefficients

Intercept:	0
Slope:	1.717

Error Coefficients

Standard Error:	2830000
Relative Standard Error:	6.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.041517	4.8	1384258.0	2.075856	N
2	IC 140-47023/10	0.04	0.072806	4.8	1332093.0	1.820143	Y
3	IC 140-47023/11	0.08	0.139505	4.8	1341030.0	1.743809	Y
4	IC 140-47023/12	0.16	0.295971	4.8	1331302.0	1.849821	Y
5	IC 140-47023/13	0.4	0.683256	4.8	1318219.0	1.708141	Y
6	IC 140-47023/14	1.0	1.781473	4.8	1345548.0	1.781473	Y
7	ICIS 140-47023/15	2.0	3.500949	4.8	1369524.0	1.750474	Y
8	IC 140-47023/7	4.0	6.849937	4.8	1406961.0	1.712484	Y
9	IC 140-47023/5	8.0	12.790287	4.8	1443289.0	1.598786	Y
10	IC 140-47023/3	16.0	23.76806	4.8	1337082.0	1.485504	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

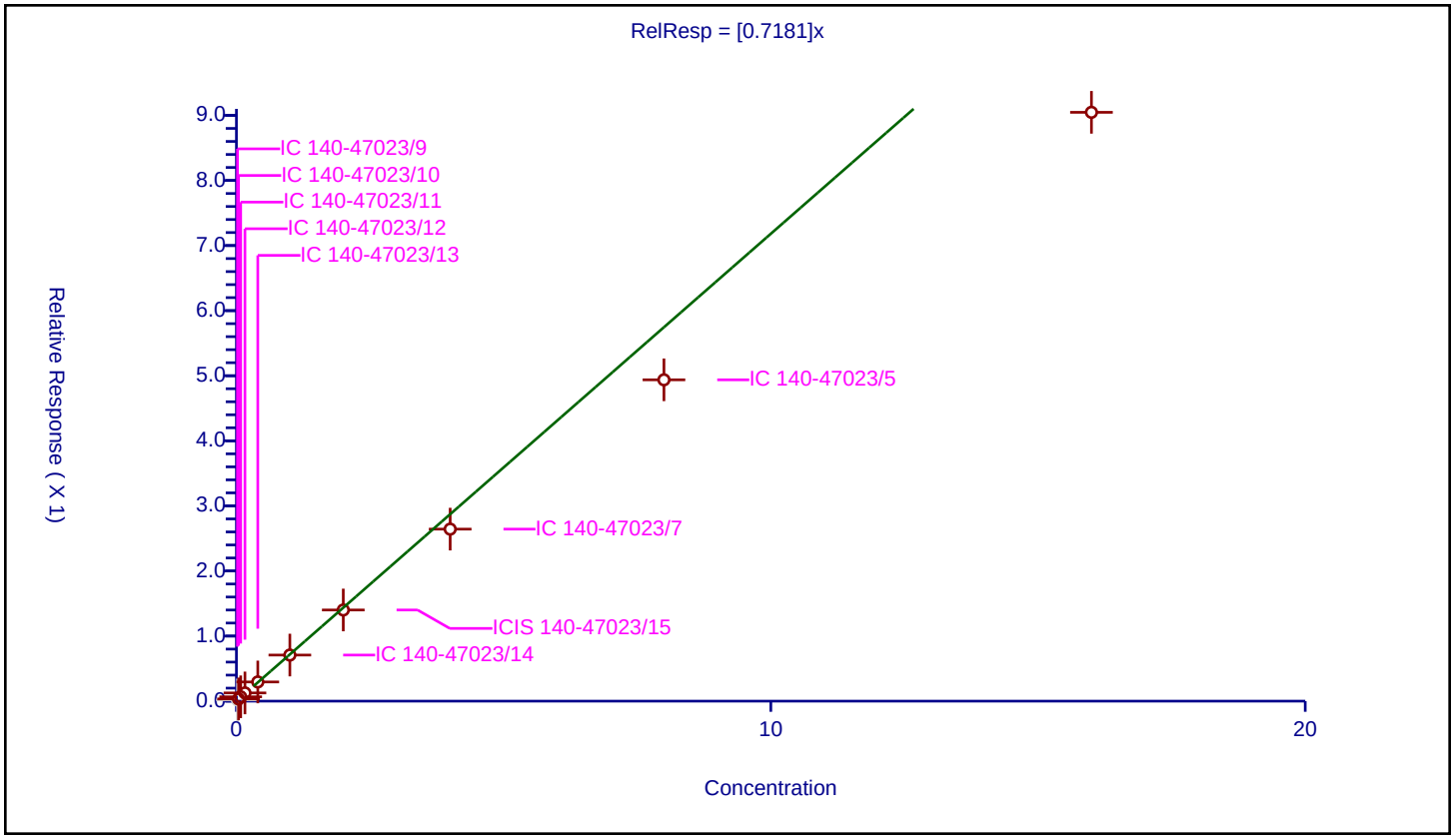
Curve Coefficients

Intercept:	0
Slope:	0.7181

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	13.4
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.019169	4.8	1384258.0	0.958434	N
2	IC 140-47023/10	0.04	0.034261	4.8	1332093.0	0.856517	Y
3	IC 140-47023/11	0.08	0.066404	4.8	1341030.0	0.830049	Y
4	IC 140-47023/12	0.16	0.126055	4.8	1331302.0	0.787845	Y
5	IC 140-47023/13	0.4	0.294747	4.8	1318219.0	0.736867	Y
6	IC 140-47023/14	1.0	0.707985	4.8	1345548.0	0.707985	Y
7	ICIS 140-47023/15	2.0	1.400783	4.8	1369524.0	0.700392	Y
8	IC 140-47023/7	4.0	2.643028	4.8	1406961.0	0.660757	Y
9	IC 140-47023/5	8.0	4.937157	4.8	1443289.0	0.617145	Y
10	IC 140-47023/3	16.0	9.047126	4.8	1337082.0	0.565445	Y



Calibration / Alpha Methyl Styrene

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

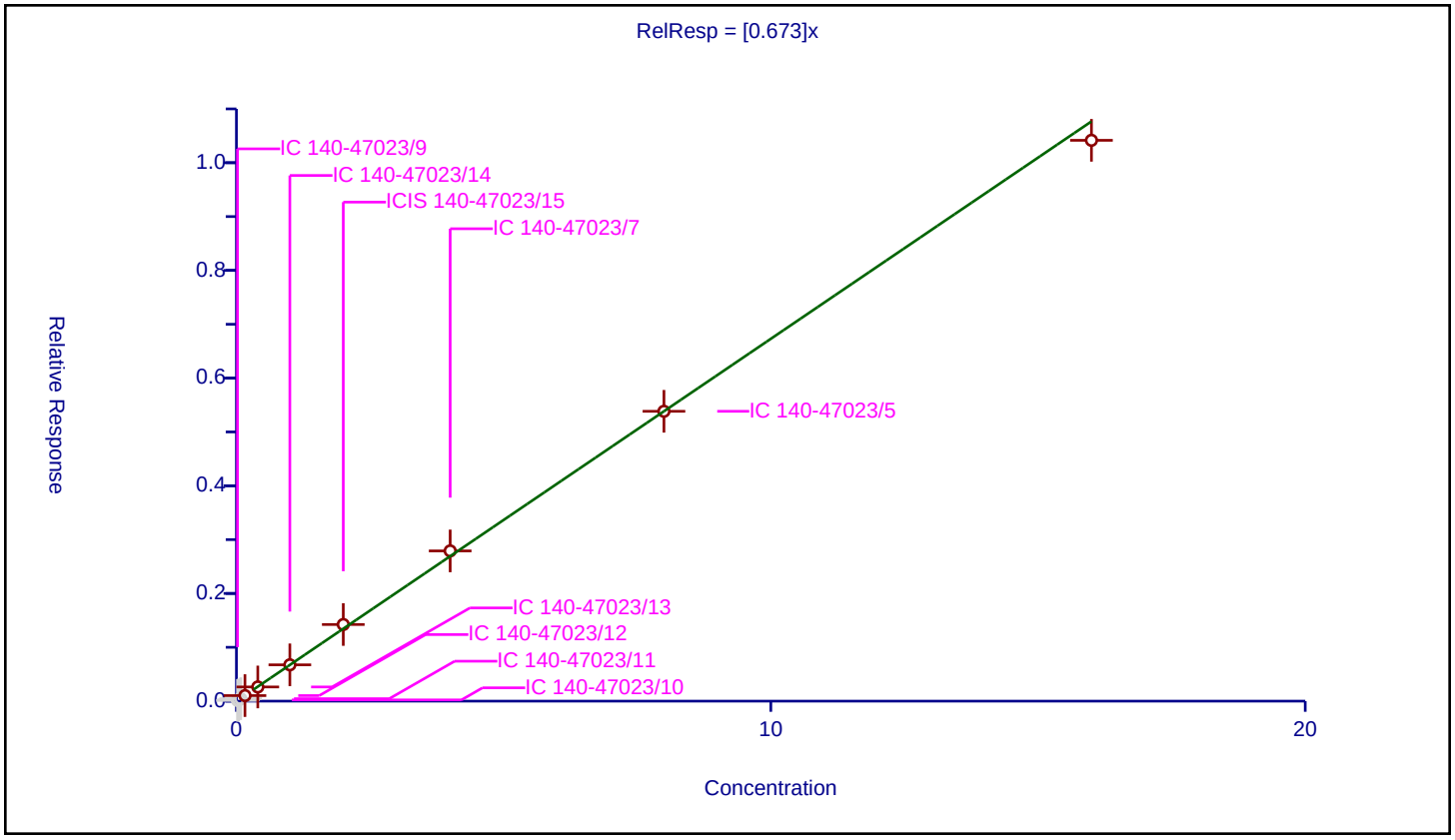
Curve Coefficients

Intercept:	0
Slope:	0.673

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	3.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.013541	4.8	1384258.0	0.677041	N
2	IC 140-47023/10	0.04	0.023025	4.8	1332093.0	0.575635	N
3	IC 140-47023/11	0.08	0.045987	4.8	1341030.0	0.574842	N
4	IC 140-47023/12	0.16	0.103189	4.8	1331302.0	0.644933	Y
5	IC 140-47023/13	0.4	0.263246	4.8	1318219.0	0.658115	Y
6	IC 140-47023/14	1.0	0.674505	4.8	1345548.0	0.674505	Y
7	ICIS 140-47023/15	2.0	1.423204	4.8	1369524.0	0.711602	Y
8	IC 140-47023/7	4.0	2.790361	4.8	1406961.0	0.69759	Y
9	IC 140-47023/5	8.0	5.383168	4.8	1443289.0	0.672896	Y
10	IC 140-47023/3	16.0	10.41619	4.8	1337082.0	0.651012	Y



Calibration / n-Decane

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

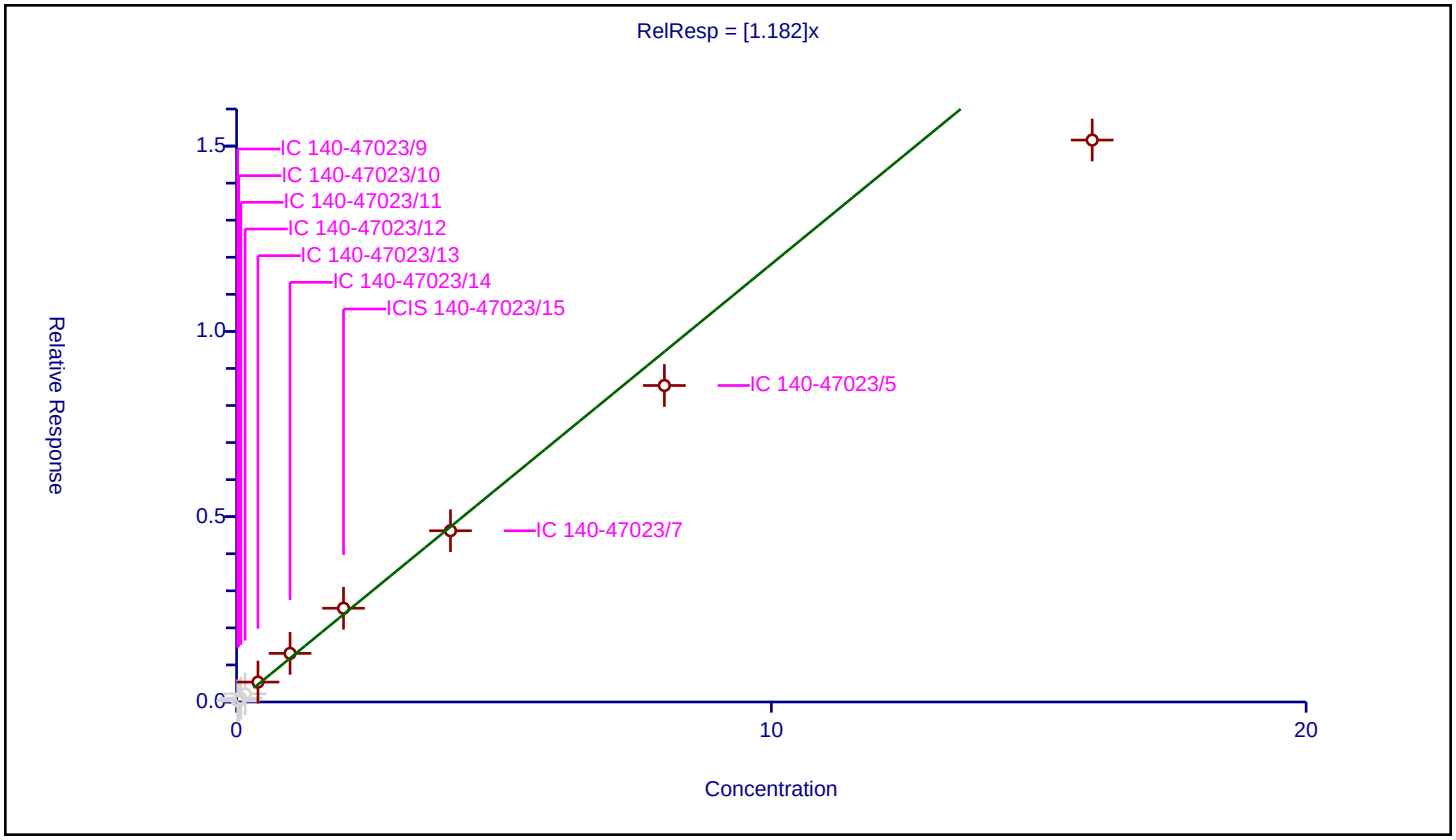
Curve Coefficients

Intercept:	0
Slope:	1.182

Error Coefficients

Standard Error:	2320000
Relative Standard Error:	13.0
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.025969	4.8	1384258.0	1.298428	N
2	IC 140-47023/10	0.04	0.047874	4.8	1332093.0	1.196853	N
3	IC 140-47023/11	0.08	0.100071	4.8	1341030.0	1.250889	N
4	IC 140-47023/12	0.16	0.219394	4.8	1331302.0	1.371214	N
5	IC 140-47023/13	0.4	0.537216	4.8	1318219.0	1.343039	Y
6	IC 140-47023/14	1.0	1.311197	4.8	1345548.0	1.311197	Y
7	ICIS 140-47023/15	2.0	2.529792	4.8	1369524.0	1.264896	Y
8	IC 140-47023/7	4.0	4.620386	4.8	1406961.0	1.155096	Y
9	IC 140-47023/5	8.0	8.539519	4.8	1443289.0	1.06744	Y
10	IC 140-47023/3	16.0	15.162155	4.8	1337082.0	0.947635	Y



Calibration / tert-Butylbenzene

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

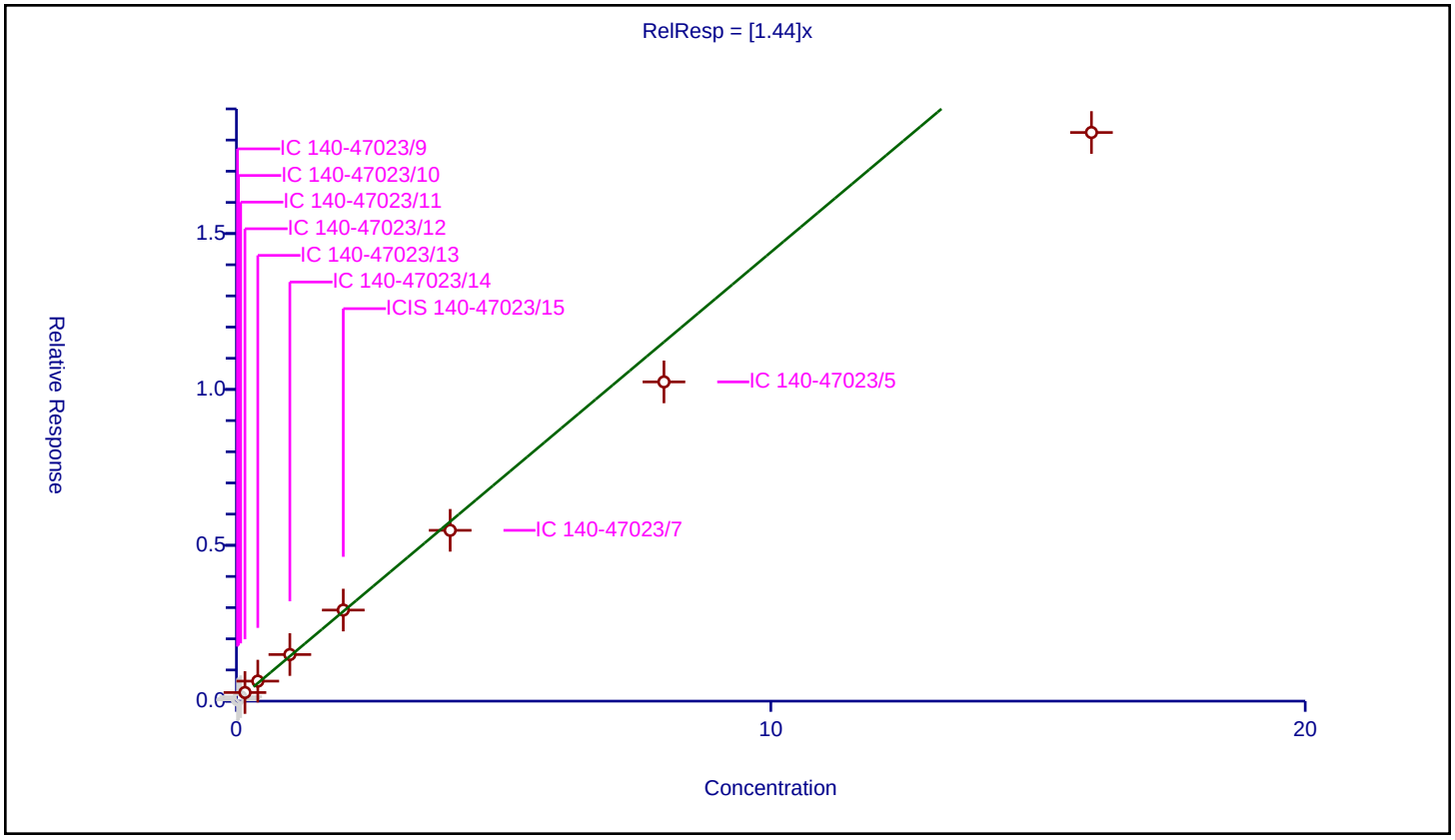
Curve Coefficients

Intercept:	0
Slope:	1.44

Error Coefficients

Standard Error:	2540000
Relative Standard Error:	13.7
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.041007	4.8	1384258.0	2.050369	N
2	IC 140-47023/10	0.04	0.077447	4.8	1332093.0	1.936171	N
3	IC 140-47023/11	0.08	0.144641	4.8	1341030.0	1.808013	N
4	IC 140-47023/12	0.16	0.276588	4.8	1331302.0	1.728676	Y
5	IC 140-47023/13	0.4	0.642358	4.8	1318219.0	1.605894	Y
6	IC 140-47023/14	1.0	1.495021	4.8	1345548.0	1.495021	Y
7	ICIS 140-47023/15	2.0	2.922039	4.8	1369524.0	1.46102	Y
8	IC 140-47023/7	4.0	5.47979	4.8	1406961.0	1.369948	Y
9	IC 140-47023/5	8.0	10.241591	4.8	1443289.0	1.280199	Y
10	IC 140-47023/3	16.0	18.243153	4.8	1337082.0	1.140197	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

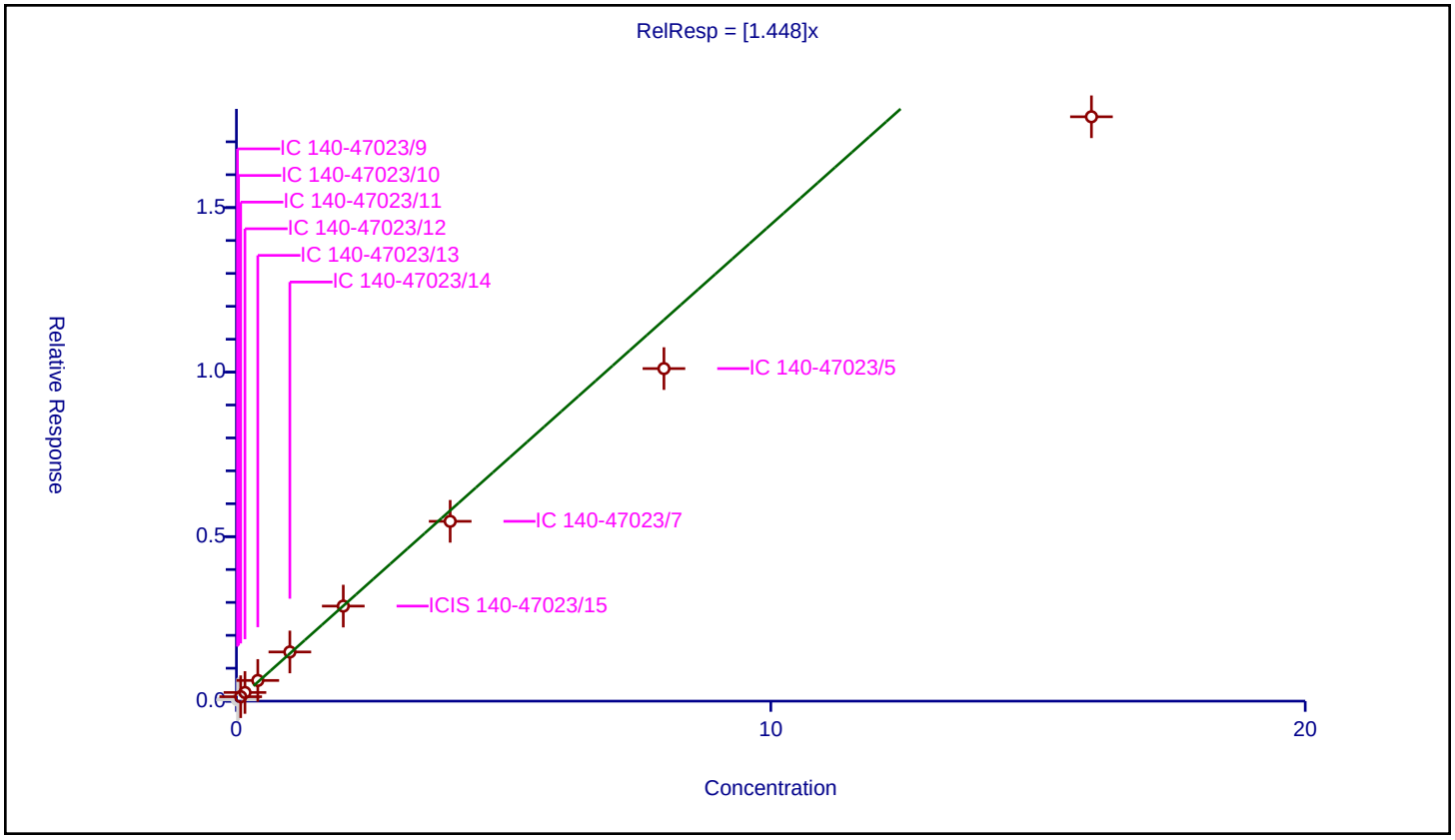
Curve Coefficients

Intercept:	0
Slope:	1.448

Error Coefficients

Standard Error:	2300000
Relative Standard Error:	13.6
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.038753	4.8	1384258.0	1.937673	N
2	IC 140-47023/10	0.04	0.0722	4.8	1332093.0	1.805009	N
3	IC 140-47023/11	0.08	0.135099	4.8	1341030.0	1.688732	Y
4	IC 140-47023/12	0.16	0.263388	4.8	1331302.0	1.646178	Y
5	IC 140-47023/13	0.4	0.628878	4.8	1318219.0	1.572194	Y
6	IC 140-47023/14	1.0	1.494675	4.8	1345548.0	1.494675	Y
7	ICIS 140-47023/15	2.0	2.888978	4.8	1369524.0	1.444489	Y
8	IC 140-47023/7	4.0	5.465567	4.8	1406961.0	1.366392	Y
9	IC 140-47023/5	8.0	10.107531	4.8	1443289.0	1.263441	Y
10	IC 140-47023/3	16.0	17.760307	4.8	1337082.0	1.110019	Y



Calibration / sec-Butylbenzene

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

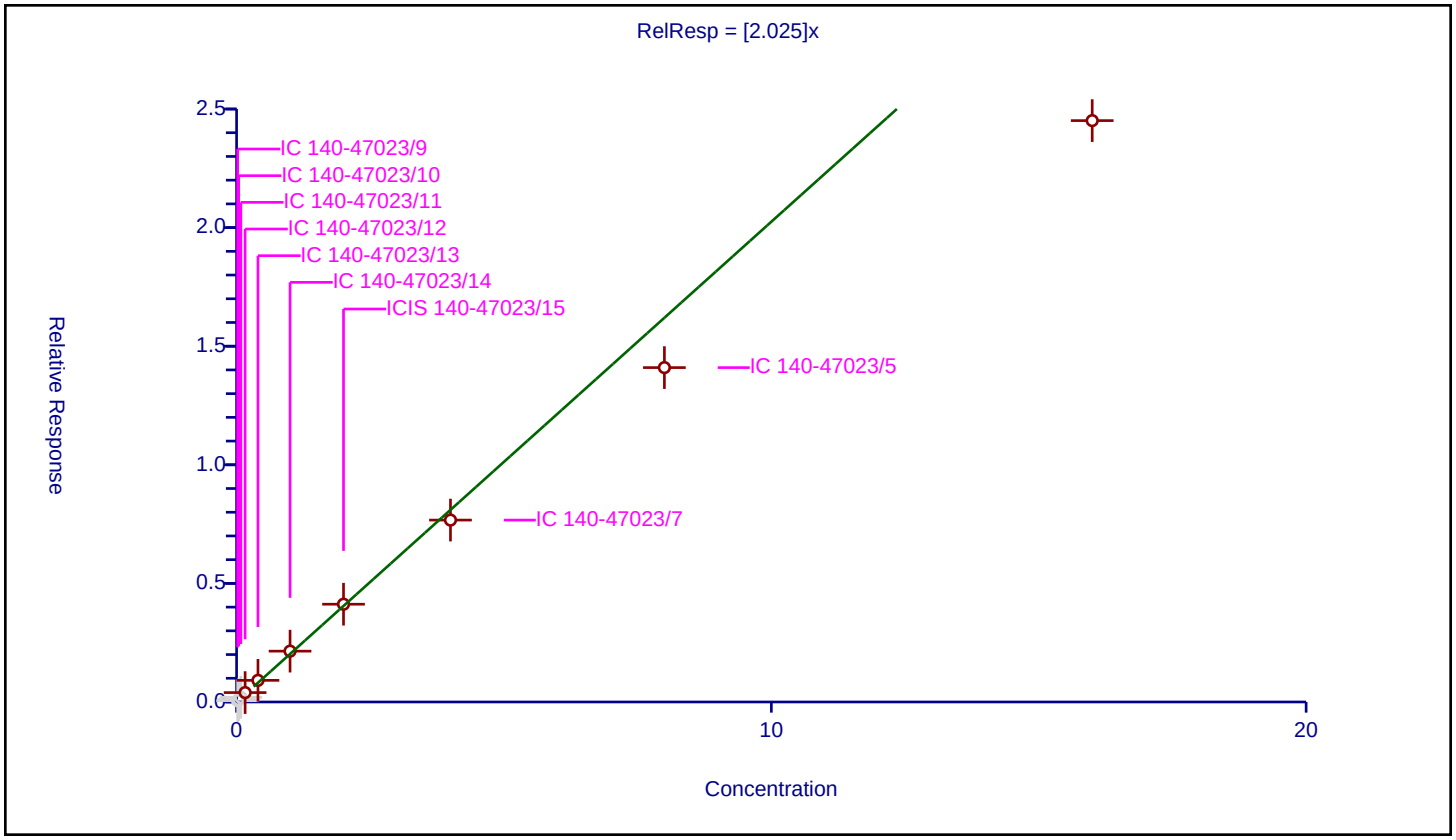
Curve Coefficients

Intercept:	0
Slope:	2.025

Error Coefficients

Standard Error:	3450000
Relative Standard Error:	15.7
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.053463	4.8	1384258.0	2.673143	N
2	IC 140-47023/10	0.04	0.103092	4.8	1332093.0	2.577298	N
3	IC 140-47023/11	0.08	0.195271	4.8	1341030.0	2.440885	N
4	IC 140-47023/12	0.16	0.396291	4.8	1331302.0	2.476816	Y
5	IC 140-47023/13	0.4	0.912355	4.8	1318219.0	2.280887	Y
6	IC 140-47023/14	1.0	2.143553	4.8	1345548.0	2.143553	Y
7	ICIS 140-47023/15	2.0	4.121675	4.8	1369524.0	2.060837	Y
8	IC 140-47023/7	4.0	7.669678	4.8	1406961.0	1.917419	Y
9	IC 140-47023/5	8.0	14.097478	4.8	1443289.0	1.762185	Y
10	IC 140-47023/3	16.0	24.510542	4.8	1337082.0	1.531909	Y



Calibration / 1,3-Dichlorobenzene

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

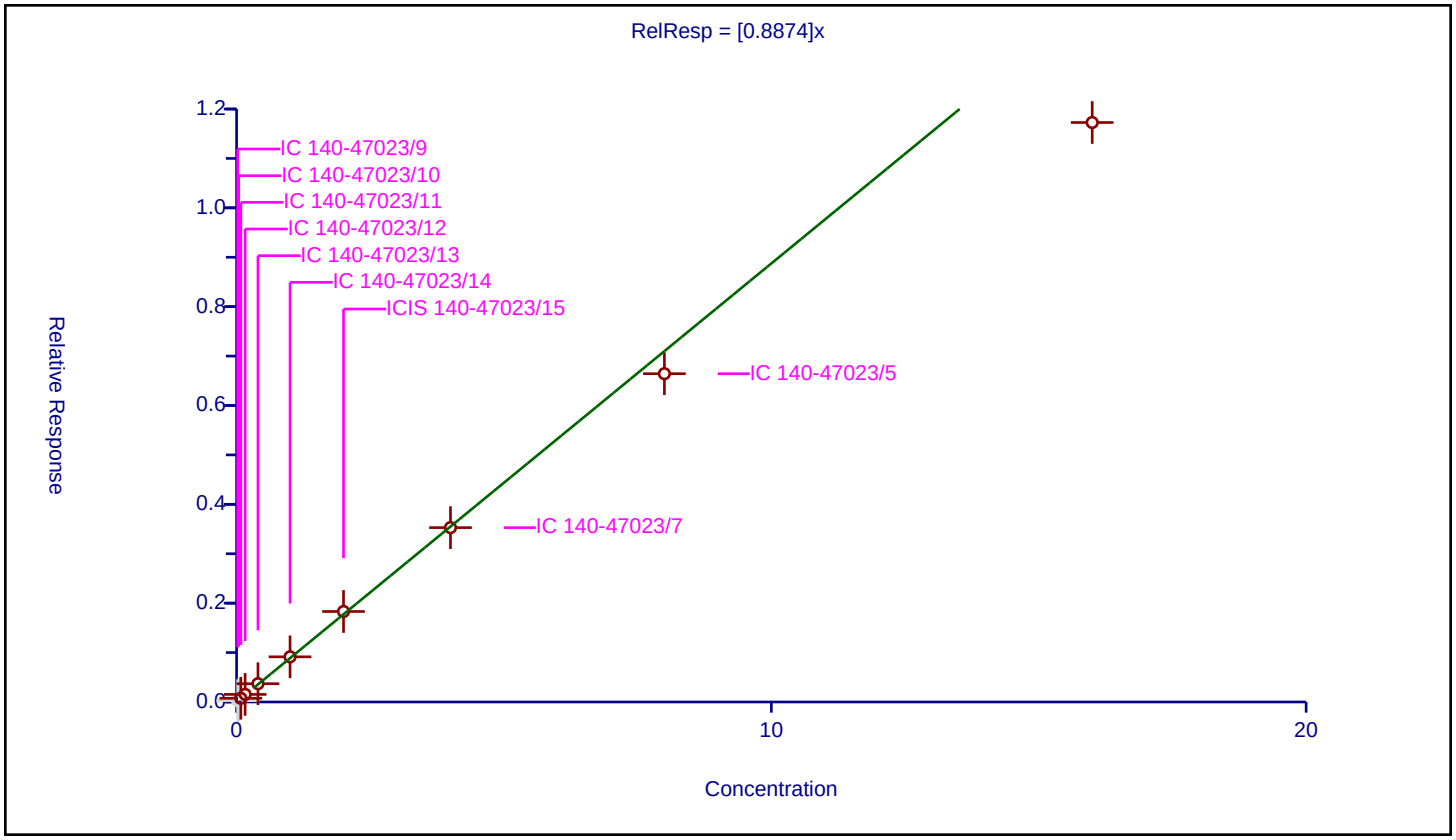
Curve Coefficients

Intercept:	0
Slope:	0.8874

Error Coefficients

Standard Error:	1520000
Relative Standard Error:	8.3
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.026326	4.8	1384258.0	1.316286	N
2	IC 140-47023/10	0.04	0.04266	4.8	1332093.0	1.066502	N
3	IC 140-47023/11	0.08	0.075306	4.8	1341030.0	0.941321	Y
4	IC 140-47023/12	0.16	0.153363	4.8	1331302.0	0.95852	Y
5	IC 140-47023/13	0.4	0.370016	4.8	1318219.0	0.925039	Y
6	IC 140-47023/14	1.0	0.913676	4.8	1345548.0	0.913676	Y
7	ICIS 140-47023/15	2.0	1.831174	4.8	1369524.0	0.915587	Y
8	IC 140-47023/7	4.0	3.528378	4.8	1406961.0	0.882094	Y
9	IC 140-47023/5	8.0	6.643293	4.8	1443289.0	0.830412	Y
10	IC 140-47023/3	16.0	11.727178	4.8	1337082.0	0.732949	Y



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

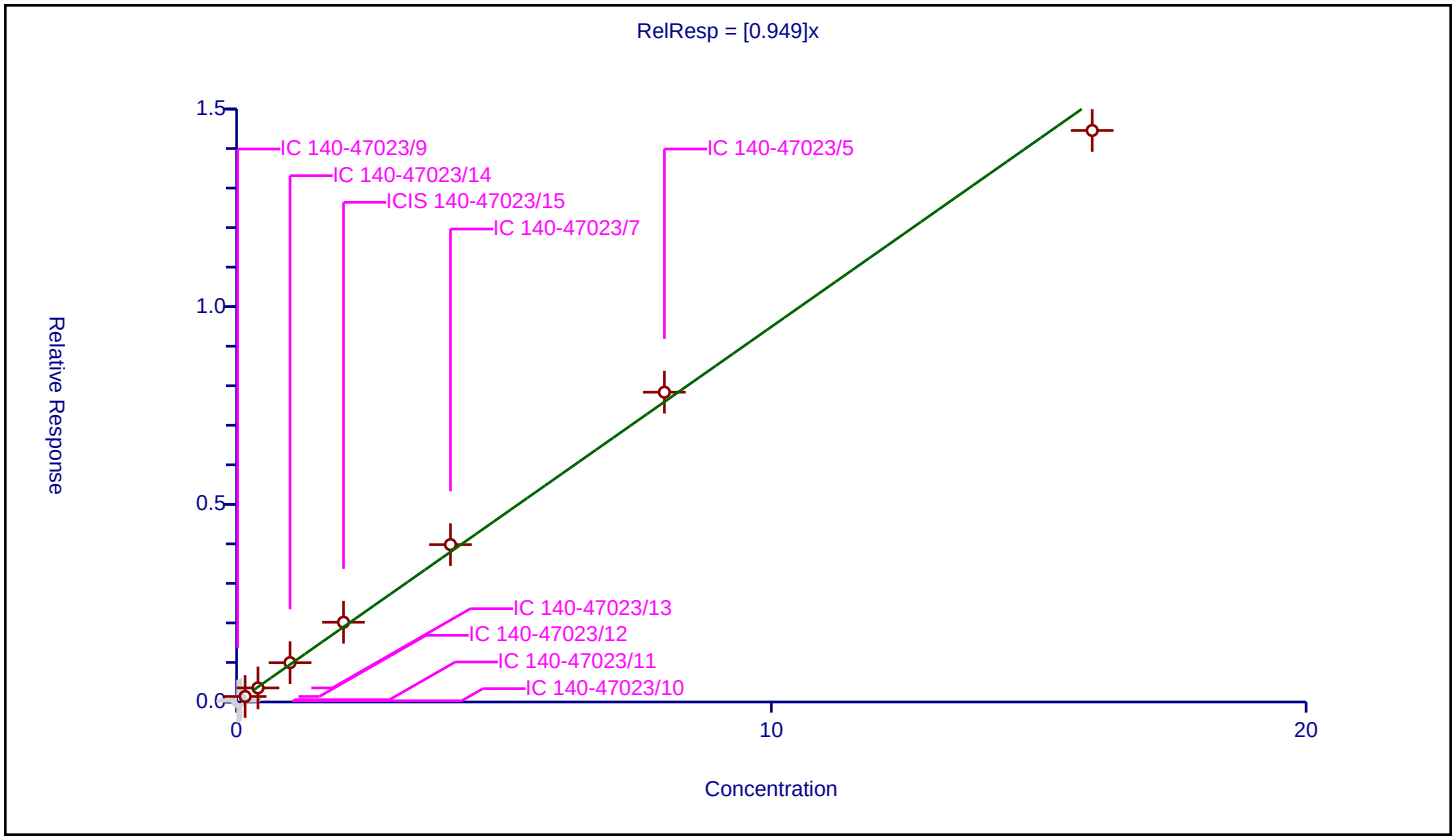
Curve Coefficients

Intercept:	0
Slope:	0.949

Error Coefficients

Standard Error:	1980000
Relative Standard Error:	6.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.019671	4.8	1384258.0	0.983574	N
2	IC 140-47023/10	0.04	0.031245	4.8	1332093.0	0.781117	N
3	IC 140-47023/11	0.08	0.05878	4.8	1341030.0	0.734749	N
4	IC 140-47023/12	0.16	0.139378	4.8	1331302.0	0.87111	Y
5	IC 140-47023/13	0.4	0.356164	4.8	1318219.0	0.89041	Y
6	IC 140-47023/14	1.0	0.994522	4.8	1345548.0	0.994522	Y
7	ICIS 140-47023/15	2.0	2.017489	4.8	1369524.0	1.008745	Y
8	IC 140-47023/7	4.0	3.981023	4.8	1406961.0	0.995256	Y
9	IC 140-47023/5	8.0	7.836764	4.8	1443289.0	0.979595	Y
10	IC 140-47023/3	16.0	14.456922	4.8	1337082.0	0.903558	Y



Calibration / 1,4-Dichlorobenzene

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

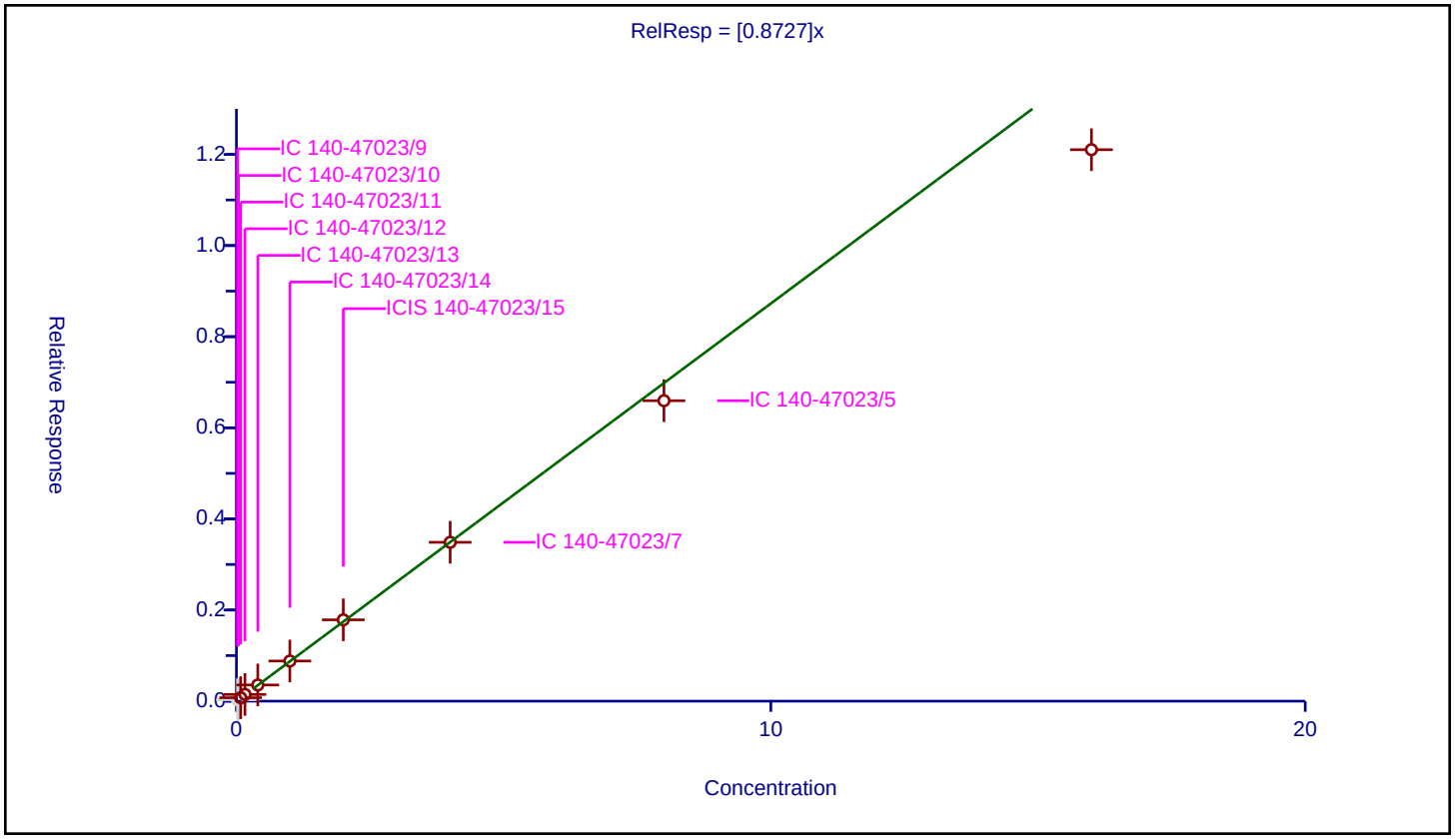
Curve Coefficients

Intercept:	0
Slope:	0.8727

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	6.8
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.031277	4.8	1384258.0	1.56387	N
2	IC 140-47023/10	0.04	0.042224	4.8	1332093.0	1.055602	N
3	IC 140-47023/11	0.08	0.075789	4.8	1341030.0	0.947361	Y
4	IC 140-47023/12	0.16	0.147176	4.8	1331302.0	0.919851	Y
5	IC 140-47023/13	0.4	0.355414	4.8	1318219.0	0.888535	Y
6	IC 140-47023/14	1.0	0.881281	4.8	1345548.0	0.881281	Y
7	ICIS 140-47023/15	2.0	1.784994	4.8	1369524.0	0.892497	Y
8	IC 140-47023/7	4.0	3.486142	4.8	1406961.0	0.871535	Y
9	IC 140-47023/5	8.0	6.594847	4.8	1443289.0	0.824356	Y
10	IC 140-47023/3	16.0	12.104089	4.8	1337082.0	0.756506	Y



Calibration / 4-Isopropyltoluene

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

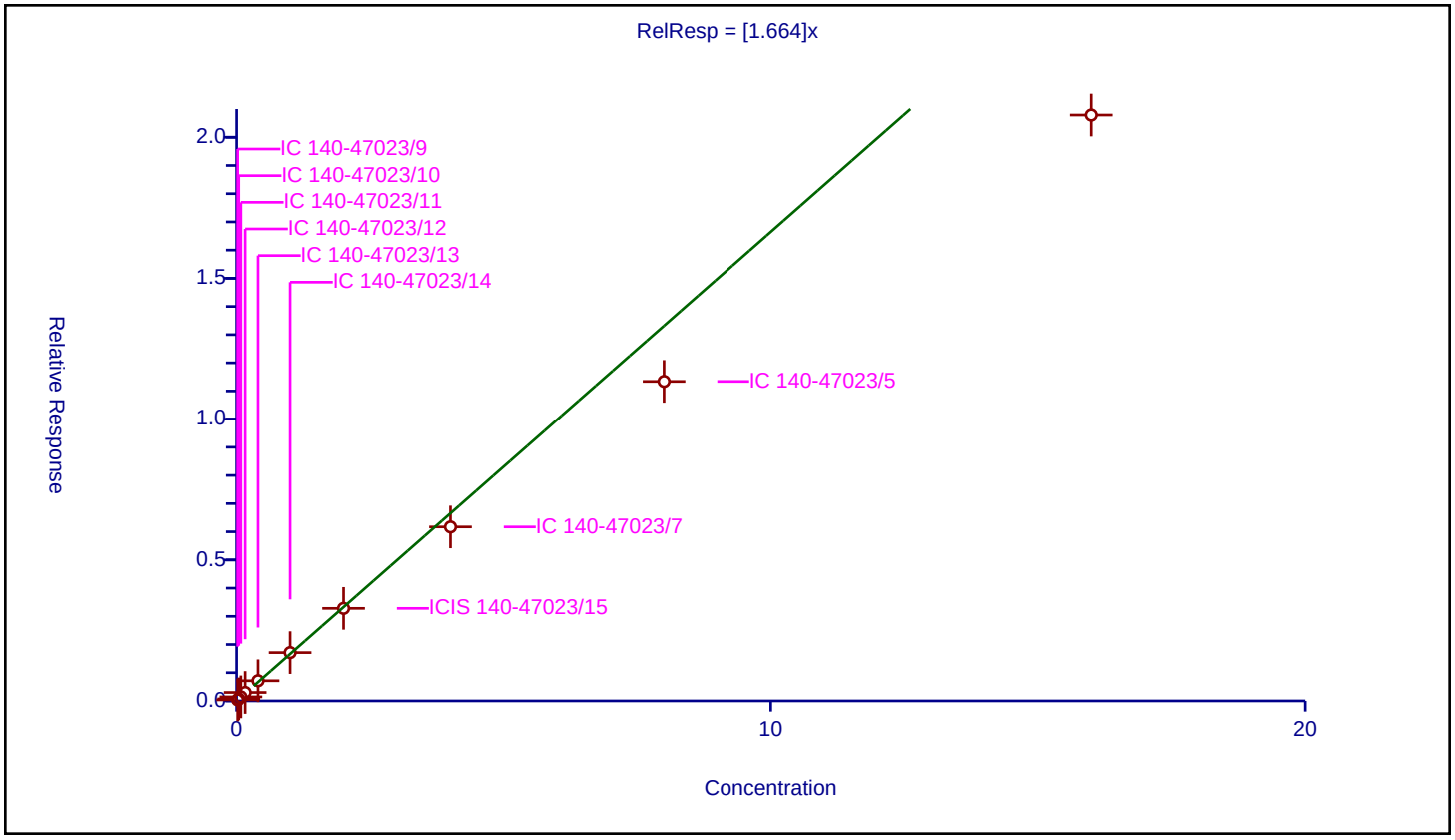
Curve Coefficients

Intercept:	0
Slope:	1.664

Error Coefficients

Standard Error:	2350000
Relative Standard Error:	11.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.035896	4.8	1384258.0	1.79481	Y
2	IC 140-47023/10	0.04	0.071649	4.8	1332093.0	1.791226	Y
3	IC 140-47023/11	0.08	0.143206	4.8	1341030.0	1.790072	Y
4	IC 140-47023/12	0.16	0.299004	4.8	1331302.0	1.868772	Y
5	IC 140-47023/13	0.4	0.714196	4.8	1318219.0	1.785491	Y
6	IC 140-47023/14	1.0	1.712338	4.8	1345548.0	1.712338	Y
7	ICIS 140-47023/15	2.0	3.282228	4.8	1369524.0	1.641114	Y
8	IC 140-47023/7	4.0	6.172487	4.8	1406961.0	1.543122	Y
9	IC 140-47023/5	8.0	11.339869	4.8	1443289.0	1.417484	Y
10	IC 140-47023/3	16.0	20.787669	4.8	1337082.0	1.299229	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

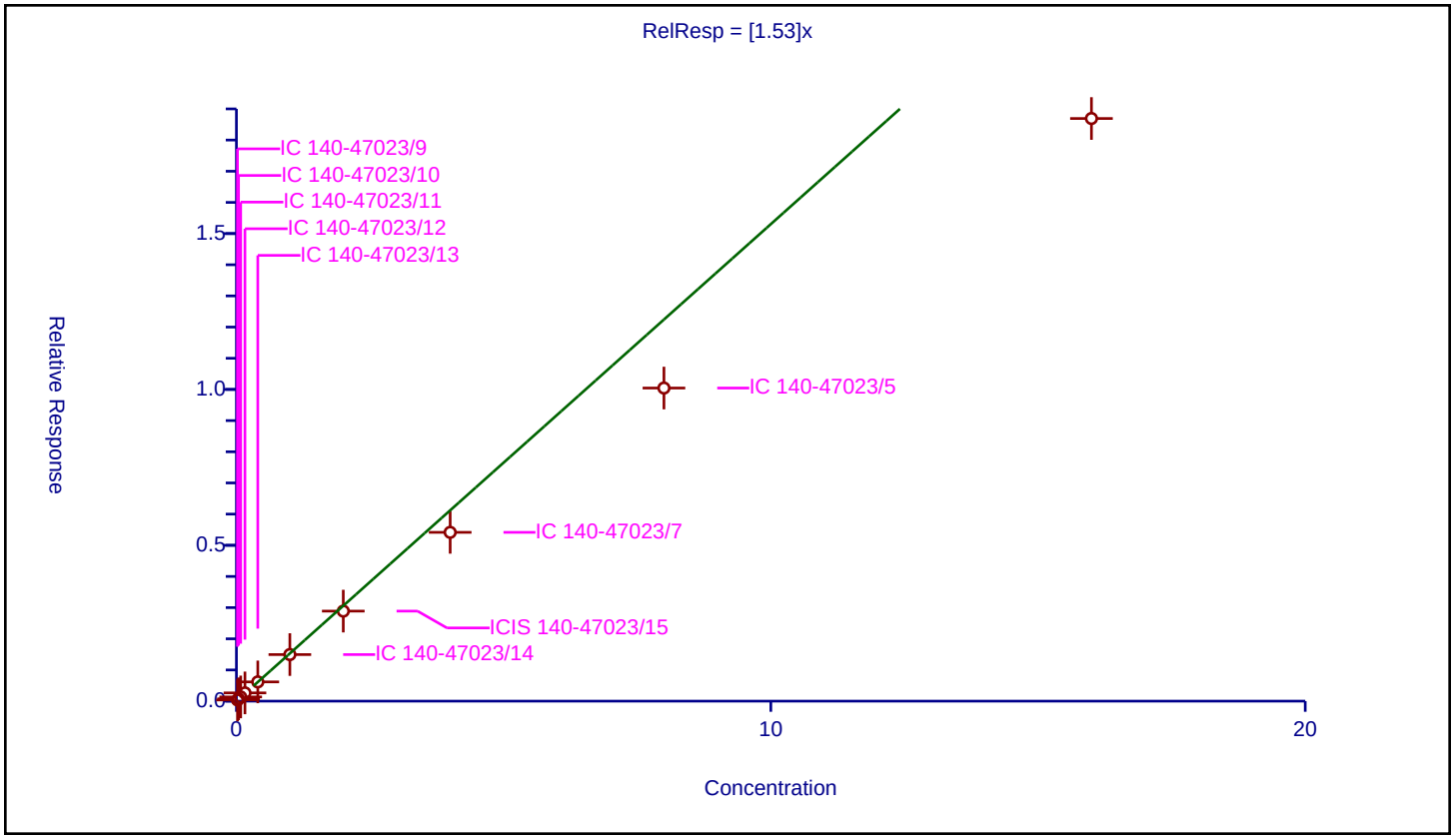
Curve Coefficients

Intercept:	0
Slope:	1.53

Error Coefficients

Standard Error:	2100000
Relative Standard Error:	15.4
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.037366	4.8	1384258.0	1.868322	Y
2	IC 140-47023/10	0.04	0.073782	4.8	1332093.0	1.844556	Y
3	IC 140-47023/11	0.08	0.134461	4.8	1341030.0	1.680768	Y
4	IC 140-47023/12	0.16	0.26412	4.8	1331302.0	1.650752	Y
5	IC 140-47023/13	0.4	0.617051	4.8	1318219.0	1.542627	Y
6	IC 140-47023/14	1.0	1.493815	4.8	1345548.0	1.493815	Y
7	ICIS 140-47023/15	2.0	2.888123	4.8	1369524.0	1.444061	Y
8	IC 140-47023/7	4.0	5.415471	4.8	1406961.0	1.353868	Y
9	IC 140-47023/5	8.0	10.044718	4.8	1443289.0	1.25559	Y
10	IC 140-47023/3	16.0	18.69173	4.8	1337082.0	1.168233	Y



Calibration / 1,2-Dichlorobenzene

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

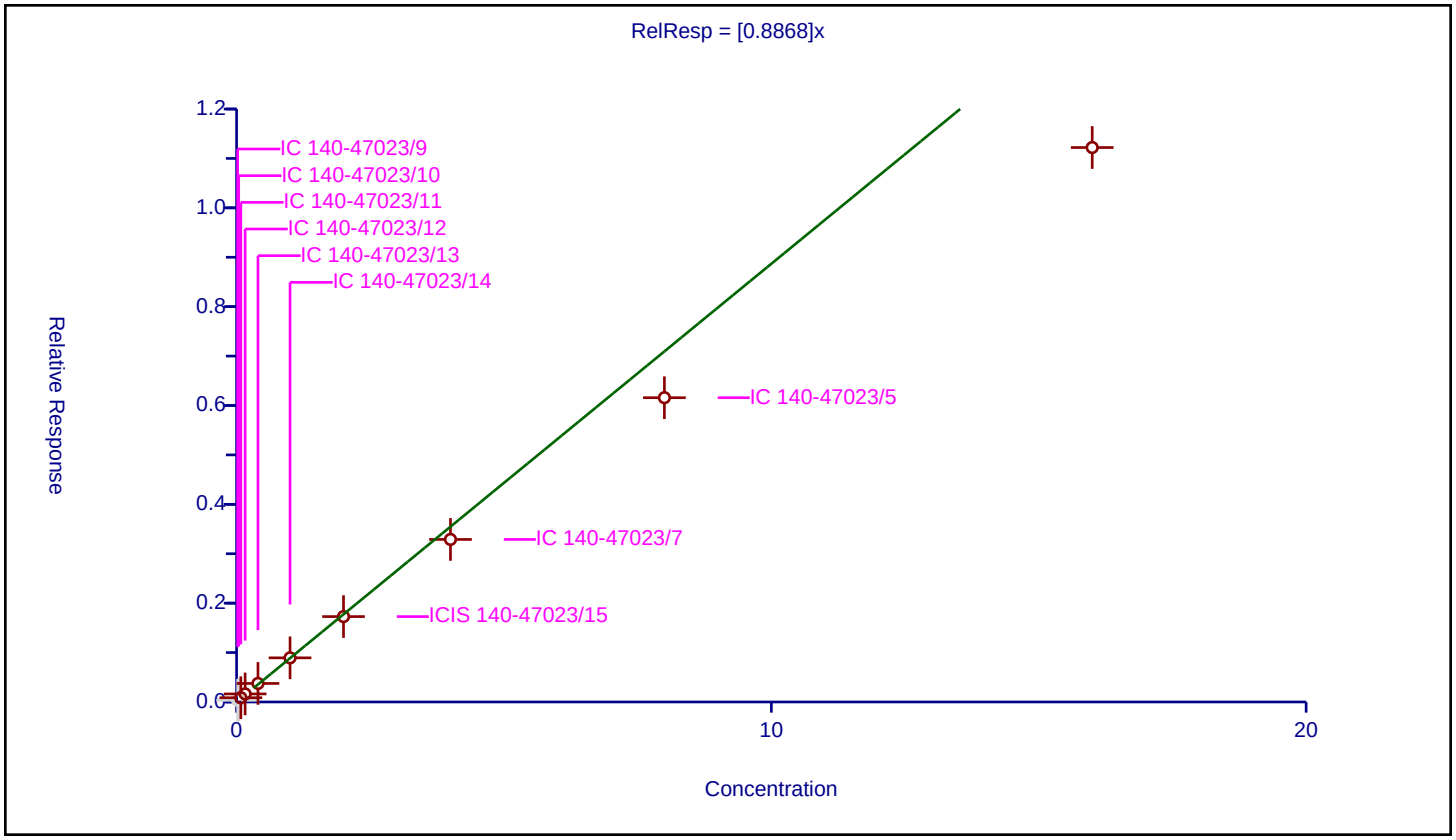
Curve Coefficients

Intercept:	0
Slope:	0.8868

Error Coefficients

Standard Error:	1440000
Relative Standard Error:	14.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.033944	4.8	1384258.0	1.697198	N
2	IC 140-47023/10	0.04	0.046108	4.8	1332093.0	1.152712	N
3	IC 140-47023/11	0.08	0.086795	4.8	1341030.0	1.084942	Y
4	IC 140-47023/12	0.16	0.163387	4.8	1331302.0	1.021166	Y
5	IC 140-47023/13	0.4	0.375183	4.8	1318219.0	0.937956	Y
6	IC 140-47023/14	1.0	0.893178	4.8	1345548.0	0.893178	Y
7	ICIS 140-47023/15	2.0	1.728103	4.8	1369524.0	0.864051	Y
8	IC 140-47023/7	4.0	3.289446	4.8	1406961.0	0.822361	Y
9	IC 140-47023/5	8.0	6.157543	4.8	1443289.0	0.769693	Y
10	IC 140-47023/3	16.0	11.220875	4.8	1337082.0	0.701305	Y



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

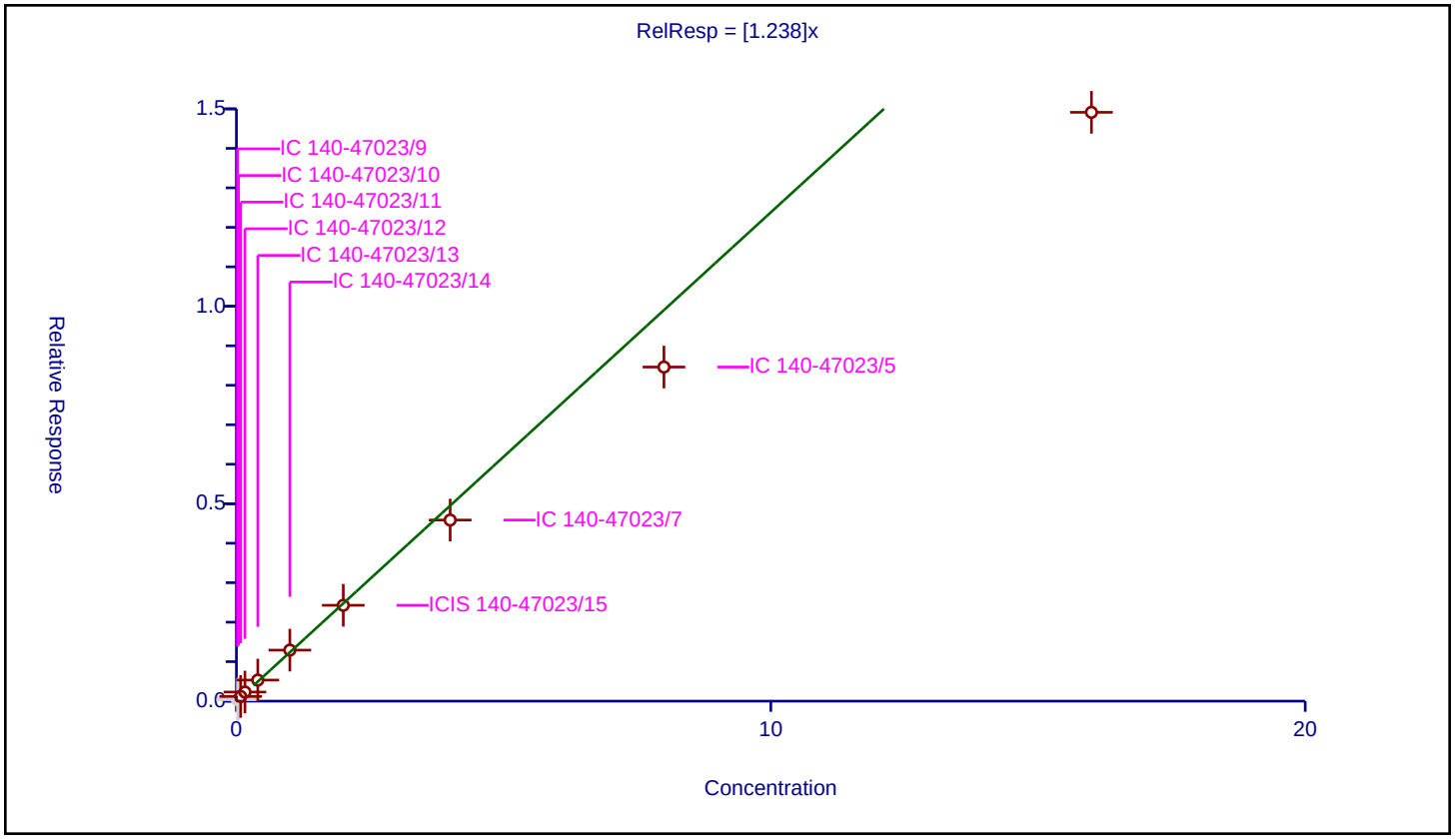
Curve Coefficients

Intercept:	0
Slope:	1.238

Error Coefficients

Standard Error:	1930000
Relative Standard Error:	15.3
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.964

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.035664	4.8	1384258.0	1.783194	N
2	IC 140-47023/10	0.04	0.063498	4.8	1332093.0	1.587457	N
3	IC 140-47023/11	0.08	0.118945	4.8	1341030.0	1.486812	Y
4	IC 140-47023/12	0.16	0.230636	4.8	1331302.0	1.441476	Y
5	IC 140-47023/13	0.4	0.533247	4.8	1318219.0	1.333117	Y
6	IC 140-47023/14	1.0	1.29204	4.8	1345548.0	1.29204	Y
7	ICIS 140-47023/15	2.0	2.427517	4.8	1369524.0	1.213758	Y
8	IC 140-47023/7	4.0	4.586696	4.8	1406961.0	1.146674	Y
9	IC 140-47023/5	8.0	8.461128	4.8	1443289.0	1.057641	Y
10	IC 140-47023/3	16.0	14.912675	4.8	1337082.0	0.932042	Y



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

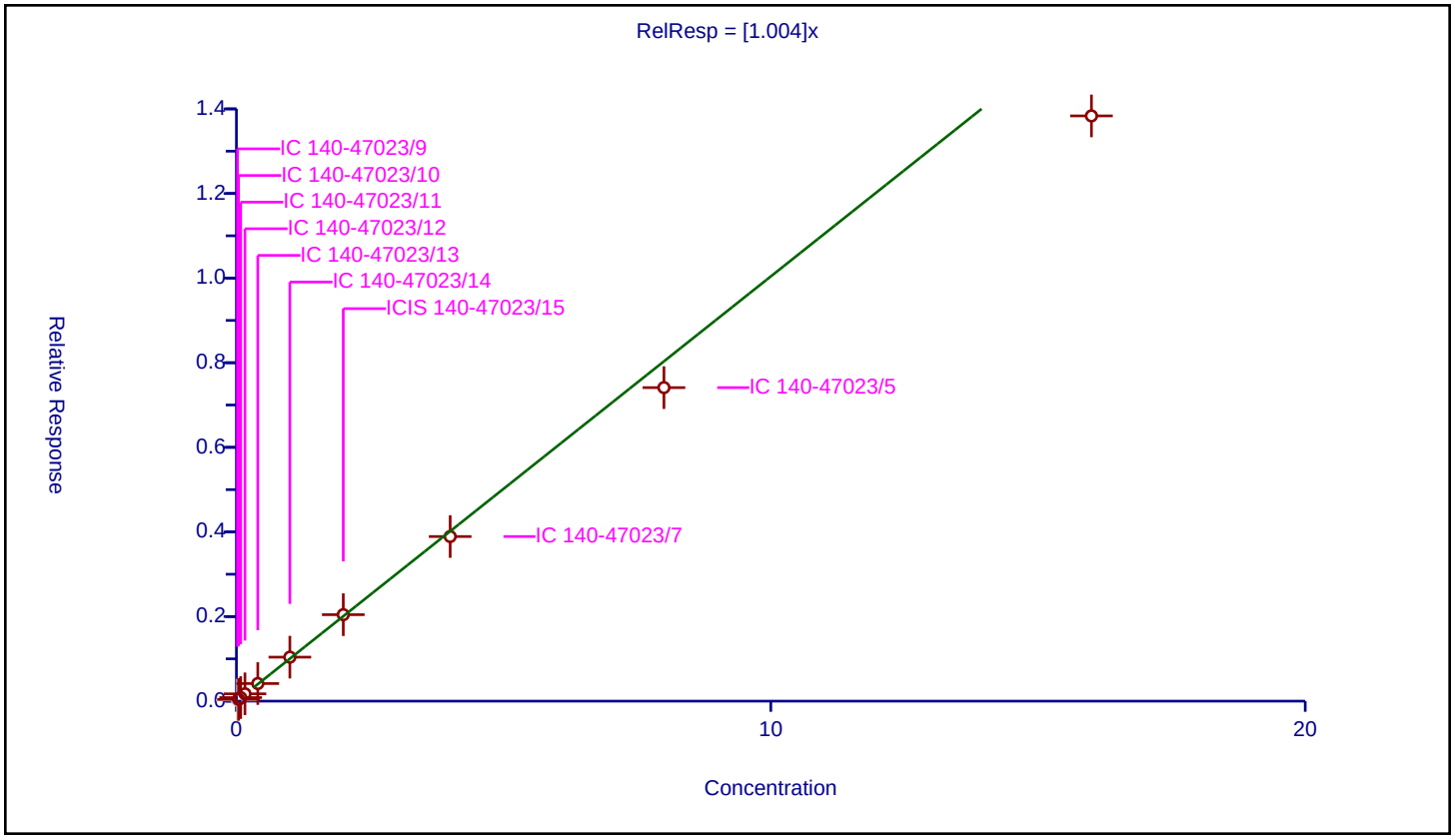
Curve Coefficients

Intercept:	0
Slope:	1.004

Error Coefficients

Standard Error:	1640000
Relative Standard Error:	6.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.026971	4.8	1384258.0	1.348535	N
2	IC 140-47023/10	0.04	0.041583	4.8	1332093.0	1.039567	Y
3	IC 140-47023/11	0.08	0.084018	4.8	1341030.0	1.050223	Y
4	IC 140-47023/12	0.16	0.17293	4.8	1331302.0	1.080814	Y
5	IC 140-47023/13	0.4	0.415932	4.8	1318219.0	1.03983	Y
6	IC 140-47023/14	1.0	1.039756	4.8	1345548.0	1.039756	Y
7	ICIS 140-47023/15	2.0	2.044165	4.8	1369524.0	1.022082	Y
8	IC 140-47023/7	4.0	3.891472	4.8	1406961.0	0.972868	Y
9	IC 140-47023/5	8.0	7.411582	4.8	1443289.0	0.926448	Y
10	IC 140-47023/3	16.0	13.834353	4.8	1337082.0	0.864647	Y



Calibration / n-Butylbenzene

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

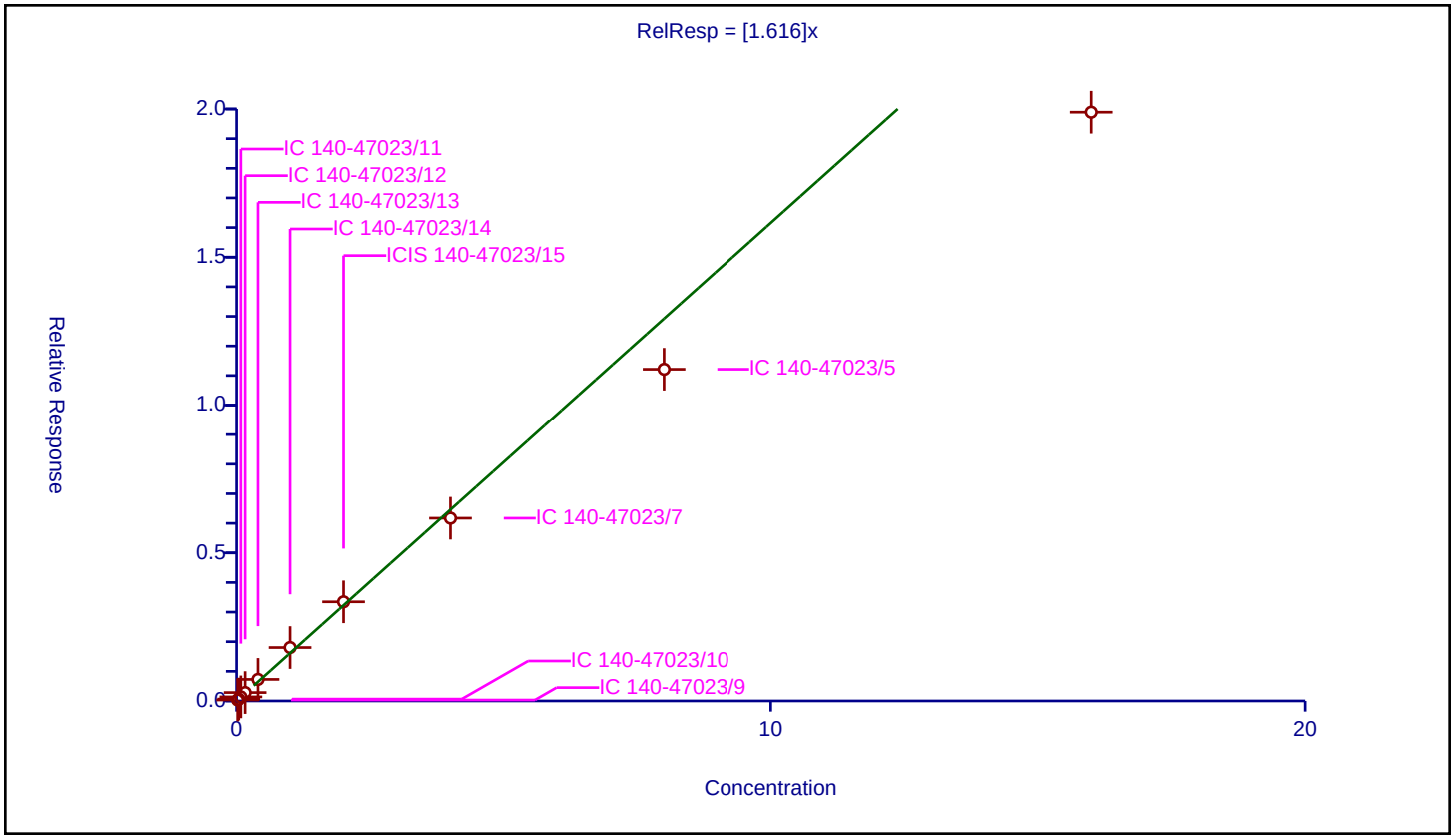
Curve Coefficients

Intercept:	0
Slope:	1.616

Error Coefficients

Standard Error:	2270000
Relative Standard Error:	11.4
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.031974	4.8	1384258.0	1.598719	Y
2	IC 140-47023/10	0.04	0.063732	4.8	1332093.0	1.593312	Y
3	IC 140-47023/11	0.08	0.136935	4.8	1341030.0	1.711684	Y
4	IC 140-47023/12	0.16	0.282941	4.8	1331302.0	1.768382	Y
5	IC 140-47023/13	0.4	0.727436	4.8	1318219.0	1.81859	Y
6	IC 140-47023/14	1.0	1.803055	4.8	1345548.0	1.803055	Y
7	ICIS 140-47023/15	2.0	3.347338	4.8	1369524.0	1.673669	Y
8	IC 140-47023/7	4.0	6.173466	4.8	1406961.0	1.543366	Y
9	IC 140-47023/5	8.0	11.212174	4.8	1443289.0	1.401522	Y
10	IC 140-47023/3	16.0	19.891922	4.8	1337082.0	1.243245	Y



Calibration / Undecane

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

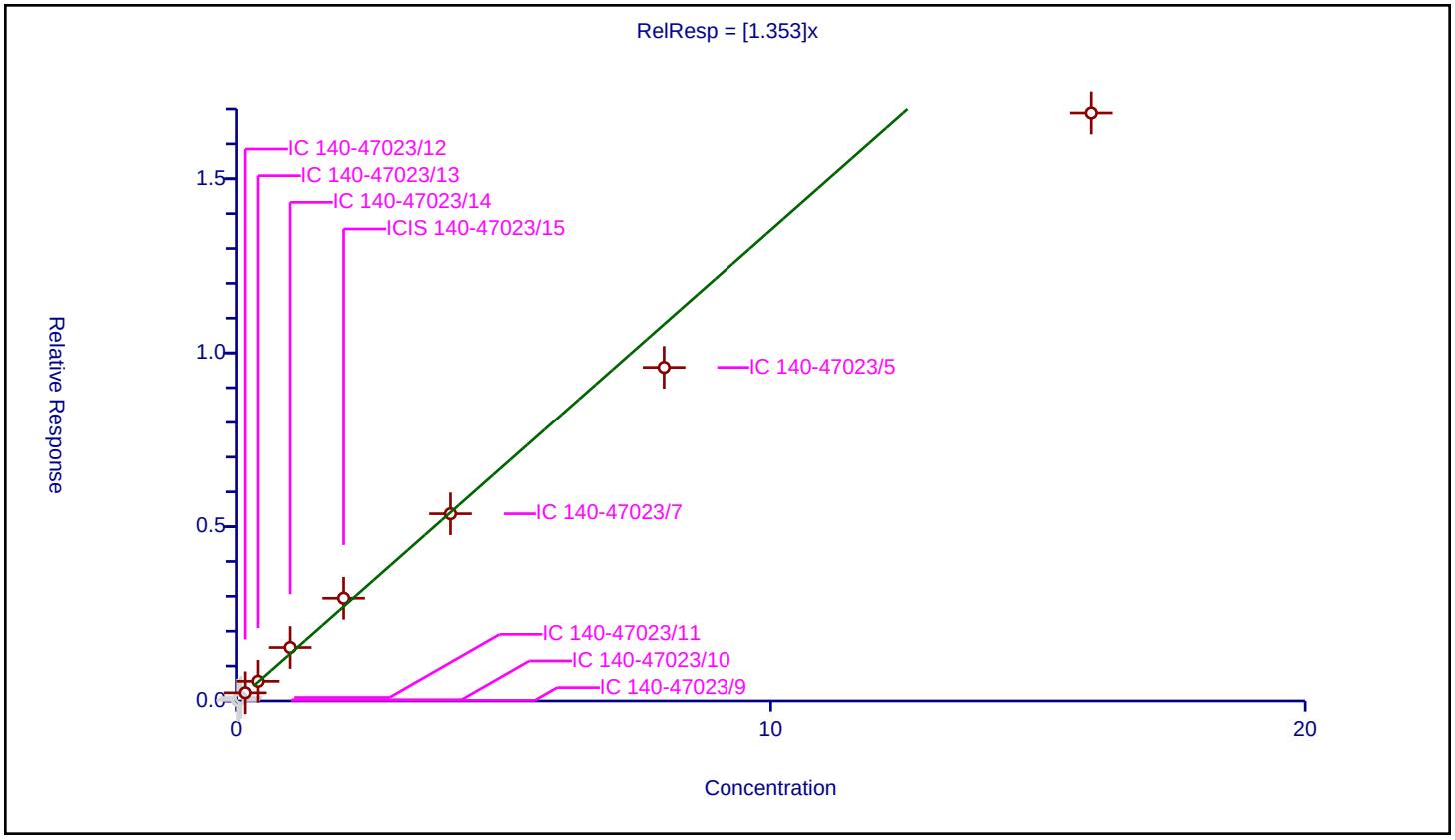
Curve Coefficients

Intercept:	0
Slope:	1.353

Error Coefficients

Standard Error:	2370000
Relative Standard Error:	12.6
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.018125	4.8	1384258.0	0.906247	N
2	IC 140-47023/10	0.04	0.035961	4.8	1332093.0	0.899036	N
3	IC 140-47023/11	0.08	0.099717	4.8	1341030.0	1.24646	N
4	IC 140-47023/12	0.16	0.233867	4.8	1331302.0	1.461667	Y
5	IC 140-47023/13	0.4	0.56292	4.8	1318219.0	1.407299	Y
6	IC 140-47023/14	1.0	1.532078	4.8	1345548.0	1.532078	Y
7	ICIS 140-47023/15	2.0	2.945512	4.8	1369524.0	1.472756	Y
8	IC 140-47023/7	4.0	5.372761	4.8	1406961.0	1.34319	Y
9	IC 140-47023/5	8.0	9.584419	4.8	1443289.0	1.198052	Y
10	IC 140-47023/3	16.0	16.885587	4.8	1337082.0	1.055349	Y



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

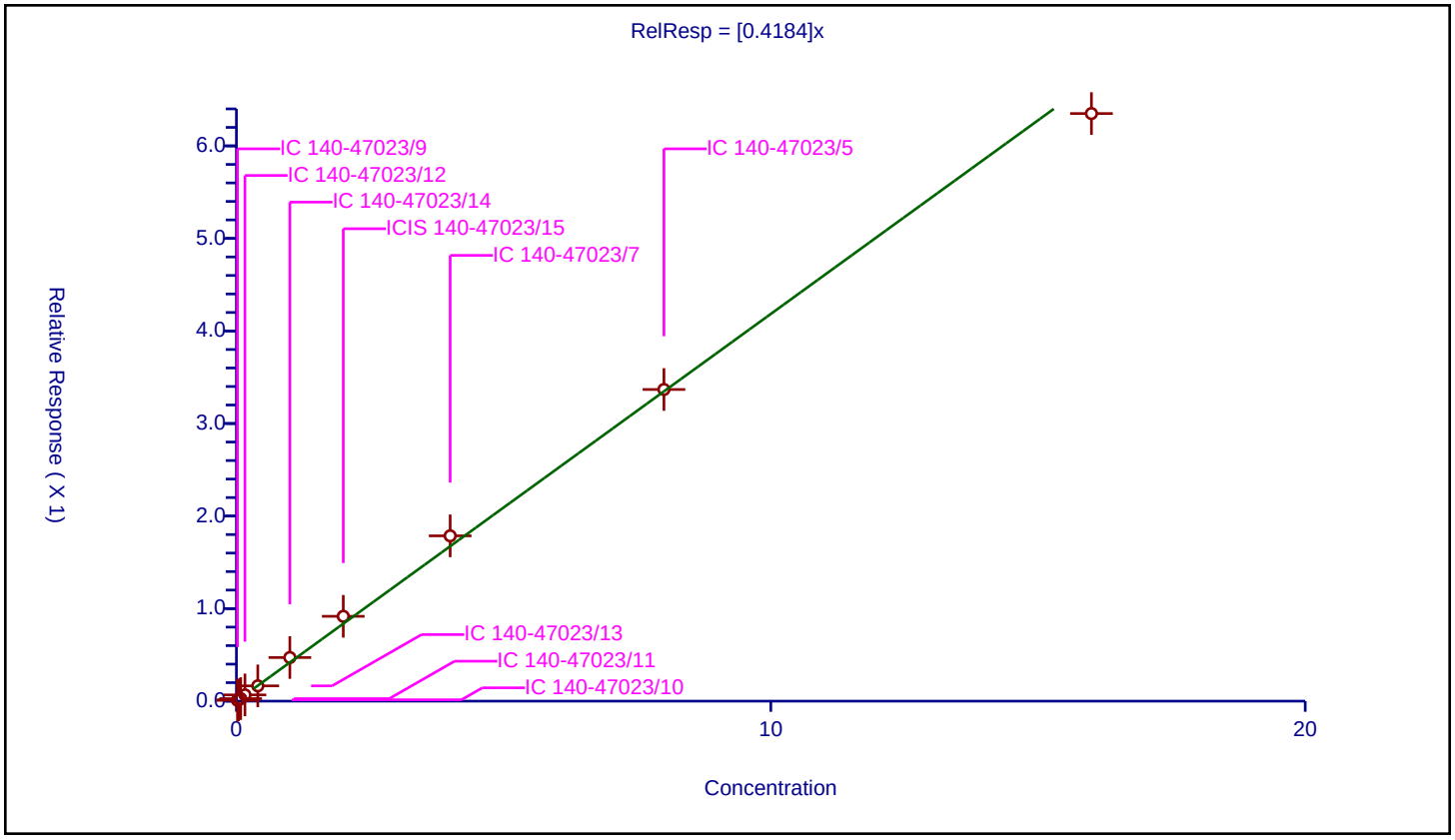
Curve Coefficients

Intercept:	0
Slope:	0.4184

Error Coefficients

Standard Error:	708000
Relative Standard Error:	9.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.008905	4.8	1384258.0	0.445235	Y
2	IC 140-47023/10	0.04	0.014774	4.8	1332093.0	0.369344	Y
3	IC 140-47023/11	0.08	0.027307	4.8	1341030.0	0.341335	Y
4	IC 140-47023/12	0.16	0.06752	4.8	1331302.0	0.422	Y
5	IC 140-47023/13	0.4	0.164943	4.8	1318219.0	0.412356	Y
6	IC 140-47023/14	1.0	0.471186	4.8	1345548.0	0.471186	Y
7	ICIS 140-47023/15	2.0	0.916751	4.8	1369524.0	0.458375	Y
8	IC 140-47023/7	4.0	1.786185	4.8	1406961.0	0.446546	Y
9	IC 140-47023/5	8.0	3.367918	4.8	1443289.0	0.42099	Y
10	IC 140-47023/3	16.0	6.349759	4.8	1337082.0	0.39686	Y



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

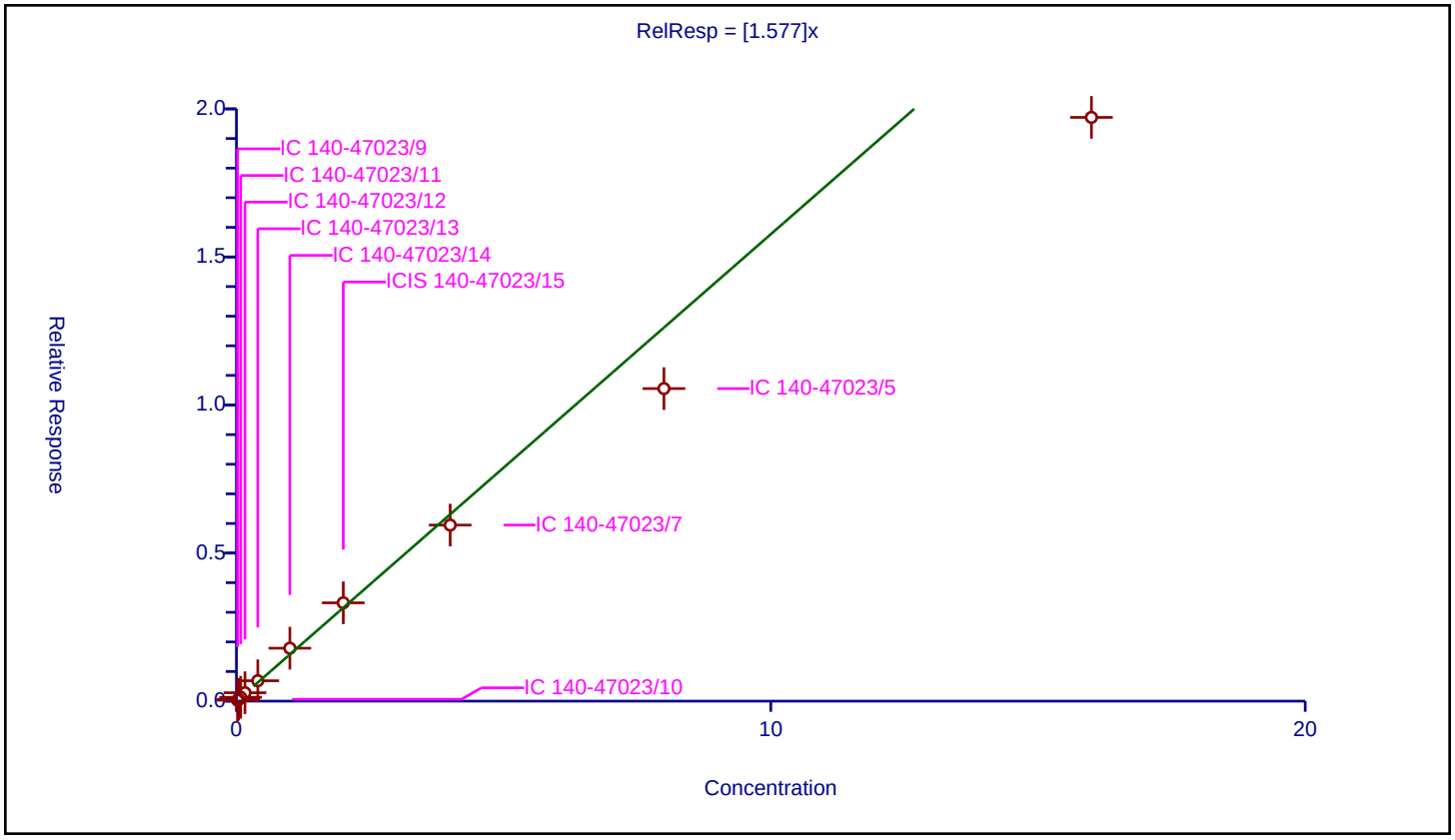
Curve Coefficients

Intercept:	0
Slope:	1.577

Error Coefficients

Standard Error:	2220000
Relative Standard Error:	11.7
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.032255	4.8	1384258.0	1.612763	Y
2	IC 140-47023/10	0.04	0.062439	4.8	1332093.0	1.560972	Y
3	IC 140-47023/11	0.08	0.129321	4.8	1341030.0	1.616519	Y
4	IC 140-47023/12	0.16	0.283417	4.8	1331302.0	1.771356	Y
5	IC 140-47023/13	0.4	0.688762	4.8	1318219.0	1.721905	Y
6	IC 140-47023/14	1.0	1.787245	4.8	1345548.0	1.787245	Y
7	ICIS 140-47023/15	2.0	3.319926	4.8	1369524.0	1.659963	Y
8	IC 140-47023/7	4.0	5.94555	4.8	1406961.0	1.486387	Y
9	IC 140-47023/5	8.0	10.555348	4.8	1443289.0	1.319418	Y
10	IC 140-47023/3	16.0	19.713411	4.8	1337082.0	1.232088	Y



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

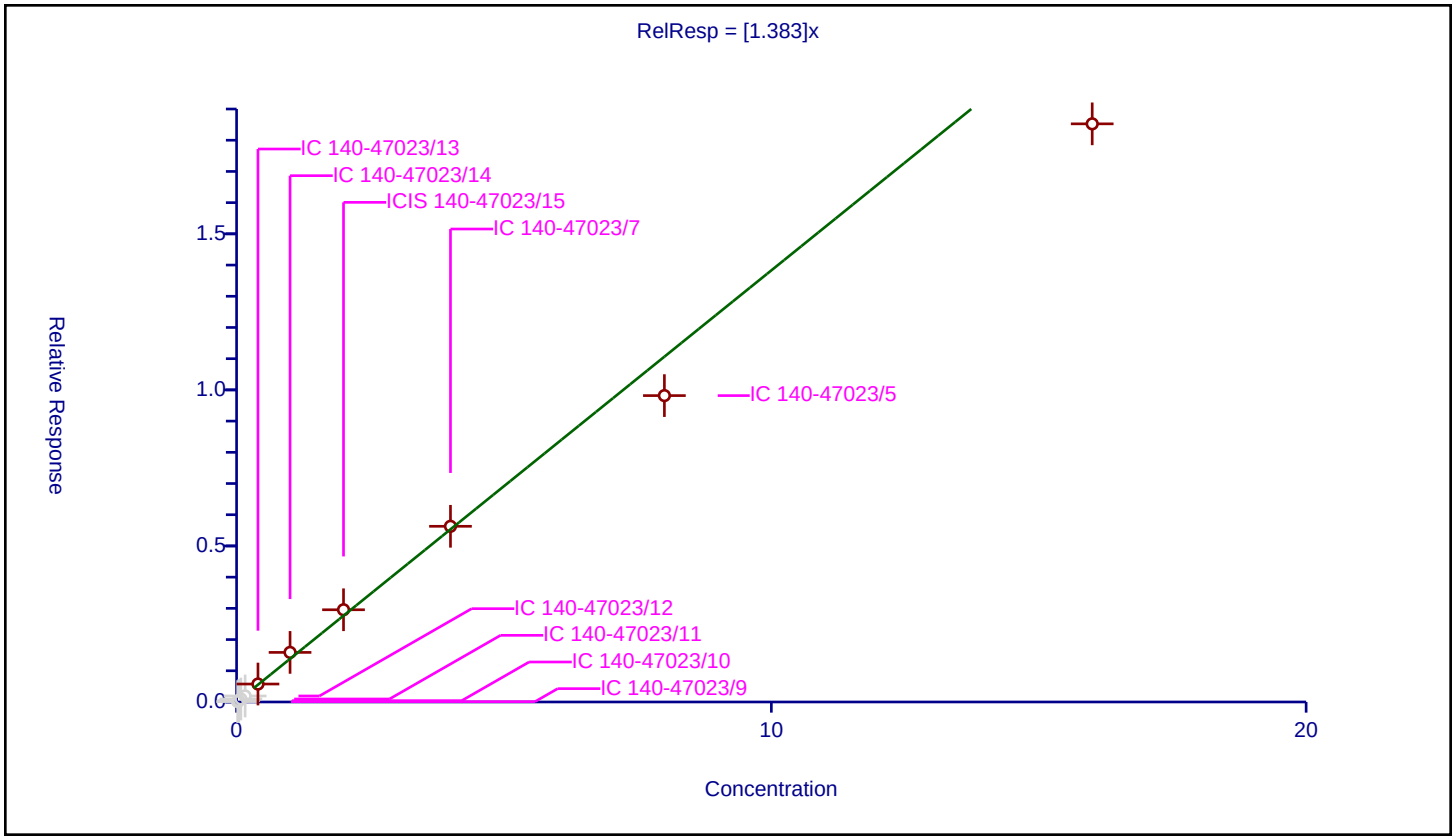
Curve Coefficients

Intercept:	0
Slope:	1.383

Error Coefficients

Standard Error:	2790000
Relative Standard Error:	11.7
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.011557	4.8	1384258.0	0.577869	N
2	IC 140-47023/10	0.04	0.043507	4.8	1332093.0	1.087672	N
3	IC 140-47023/11	0.08	0.095769	4.8	1341030.0	1.19711	N
4	IC 140-47023/12	0.16	0.192768	4.8	1331302.0	1.204798	N
5	IC 140-47023/13	0.4	0.5757	4.8	1318219.0	1.439251	Y
6	IC 140-47023/14	1.0	1.588574	4.8	1345548.0	1.588574	Y
7	ICIS 140-47023/15	2.0	2.955227	4.8	1369524.0	1.477614	Y
8	IC 140-47023/7	4.0	5.629168	4.8	1406961.0	1.407292	Y
9	IC 140-47023/5	8.0	9.817536	4.8	1443289.0	1.227192	Y
10	IC 140-47023/3	16.0	18.525198	4.8	1337082.0	1.157825	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

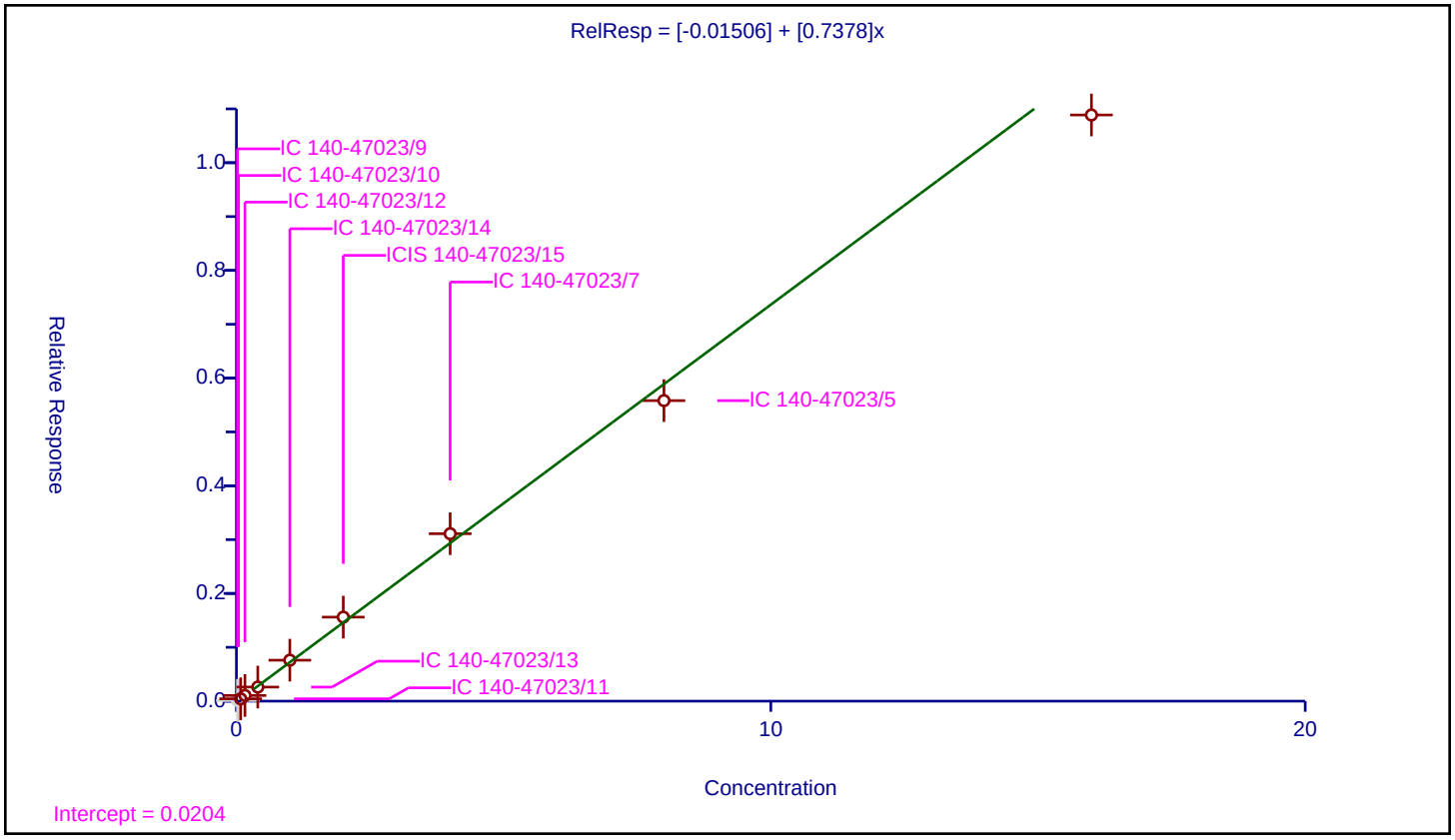
Curve Coefficients

Intercept:	-0.01506
Slope:	0.7378

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	6.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.012962	4.8	1384258.0	0.648087	N
2	IC 140-47023/10	0.04	0.019649	4.8	1332093.0	0.491227	N
3	IC 140-47023/11	0.08	0.043808	4.8	1341030.0	0.547594	Y
4	IC 140-47023/12	0.16	0.104967	4.8	1331302.0	0.656042	Y
5	IC 140-47023/13	0.4	0.2614	4.8	1318219.0	0.6535	Y
6	IC 140-47023/14	1.0	0.760717	4.8	1345548.0	0.760717	Y
7	ICIS 140-47023/15	2.0	1.560363	4.8	1369524.0	0.780182	Y
8	IC 140-47023/7	4.0	3.109872	4.8	1406961.0	0.777468	Y
9	IC 140-47023/5	8.0	5.581575	4.8	1443289.0	0.697697	Y
10	IC 140-47023/3	16.0	10.886648	4.8	1337082.0	0.680415	Y



Calibration / Naphthalene

Curve Type:	Quadratic
Weighting:	None
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

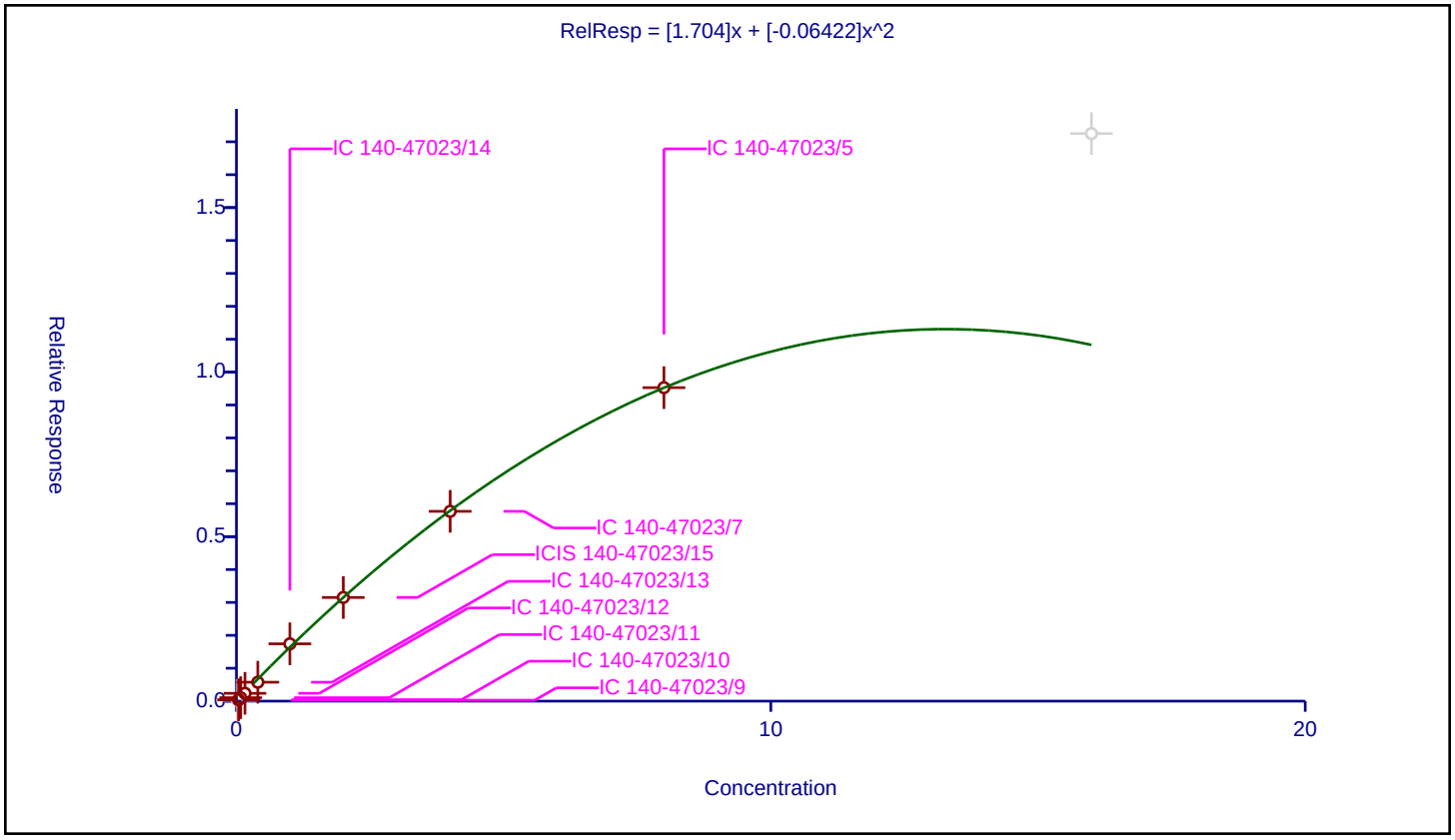
Curve Coefficients

Intercept:	0
Slope:	1.704
Second Order:	-0.06422

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	20.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.027931	4.8	1384258.0	1.39656	N
2	IC 140-47023/10	0.04	0.041835	4.8	1332093.0	1.045873	Y
3	IC 140-47023/11	0.08	0.104492	4.8	1341030.0	1.306145	Y
4	IC 140-47023/12	0.16	0.237833	4.8	1331302.0	1.486455	Y
5	IC 140-47023/13	0.4	0.57534	4.8	1318219.0	1.43835	Y
6	IC 140-47023/14	1.0	1.742093	4.8	1345548.0	1.742093	Y
7	ICIS 140-47023/15	2.0	3.150658	4.8	1369524.0	1.575329	Y
8	IC 140-47023/7	4.0	5.768487	4.8	1406961.0	1.442122	Y
9	IC 140-47023/5	8.0	9.528221	4.8	1443289.0	1.191028	Y
10	IC 140-47023/3	16.0	17.249435	4.8	1337082.0	1.07809	N



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

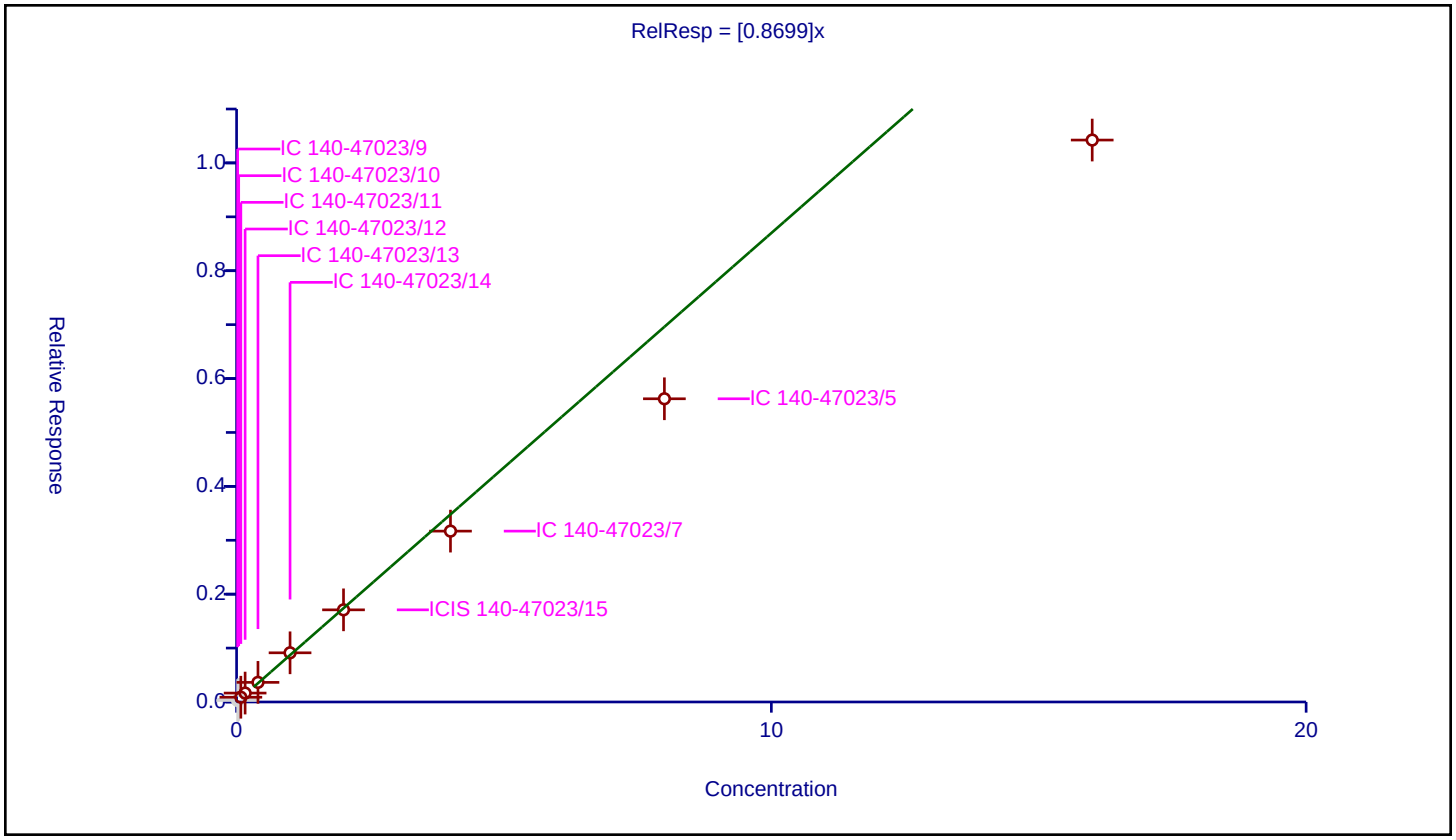
Curve Coefficients

Intercept:	0
Slope:	0.8699

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	17.7
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.950

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.027584	4.8	1384258.0	1.379223	N
2	IC 140-47023/10	0.04	0.04822	4.8	1332093.0	1.205501	N
3	IC 140-47023/11	0.08	0.088202	4.8	1341030.0	1.102526	Y
4	IC 140-47023/12	0.16	0.165225	4.8	1331302.0	1.032658	Y
5	IC 140-47023/13	0.4	0.364015	4.8	1318219.0	0.910037	Y
6	IC 140-47023/14	1.0	0.912303	4.8	1345548.0	0.912303	Y
7	ICIS 140-47023/15	2.0	1.709545	4.8	1369524.0	0.854772	Y
8	IC 140-47023/7	4.0	3.169773	4.8	1406961.0	0.792443	Y
9	IC 140-47023/5	8.0	5.624992	4.8	1443289.0	0.703124	Y
10	IC 140-47023/3	16.0	10.424314	4.8	1337082.0	0.65152	Y



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

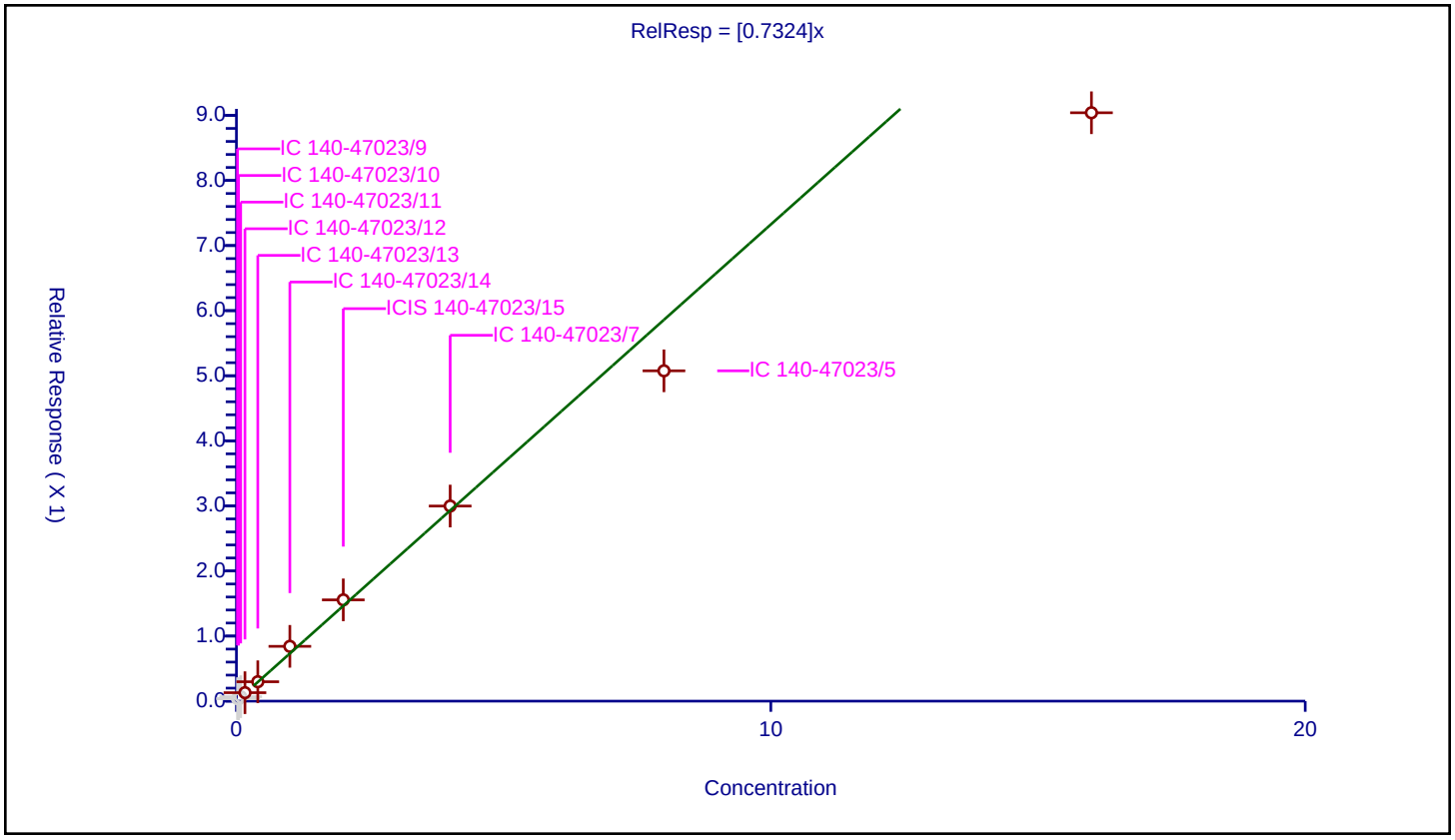
Curve Coefficients

Intercept:	0
Slope:	0.7324

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	13.5
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.02	0.038753	4.8	1384258.0	1.937673	N
2	IC 140-47023/10	0.04	0.036196	4.8	1332093.0	0.904892	N
3	IC 140-47023/11	0.08	0.069028	4.8	1341030.0	0.862844	N
4	IC 140-47023/12	0.16	0.129942	4.8	1331302.0	0.812137	Y
5	IC 140-47023/13	0.4	0.298159	4.8	1318219.0	0.745397	Y
6	IC 140-47023/14	1.0	0.842205	4.8	1345548.0	0.842205	Y
7	ICIS 140-47023/15	2.0	1.556126	4.8	1369524.0	0.778063	Y
8	IC 140-47023/7	4.0	2.997995	4.8	1406961.0	0.749499	Y
9	IC 140-47023/5	8.0	5.075368	4.8	1443289.0	0.634421	Y
10	IC 140-47023/3	16.0	9.040757	4.8	1337082.0	0.565047	Y



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

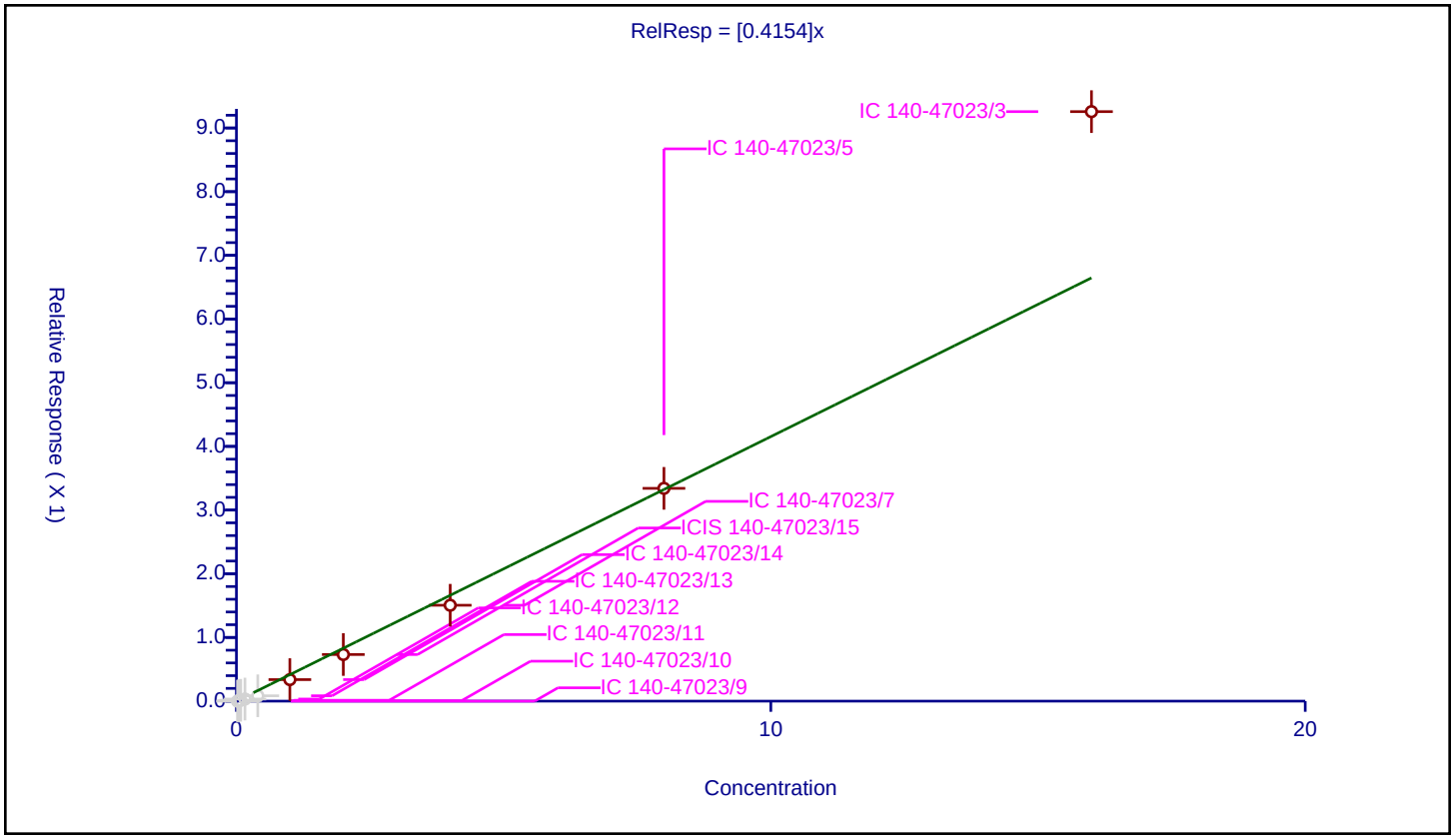
Curve Coefficients

Intercept:	0
Slope:	0.4154

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	23.0
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.931

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.020001	0.0	4.8	1384258.0	0.0	N
2	IC 140-47023/10	0.040002	0.005722	4.8	1332093.0	0.143046	N
3	IC 140-47023/11	0.080004	0.013533	4.8	1341030.0	0.16916	N
4	IC 140-47023/12	0.160008	0.032904	4.8	1331302.0	0.205638	N
5	IC 140-47023/13	0.40002	0.084139	4.8	1318219.0	0.210337	N
6	IC 140-47023/14	1.00005	0.3383	4.8	1345548.0	0.338283	Y
7	ICIS 140-47023/15	2.0001	0.732041	4.8	1369524.0	0.366002	Y
8	IC 140-47023/7	4.000199	1.50573	4.8	1406961.0	0.376414	Y
9	IC 140-47023/5	8.000399	3.341591	4.8	1443289.0	0.417678	Y
10	IC 140-47023/3	16.000797	9.25706	4.8	1337082.0	0.578537	Y



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

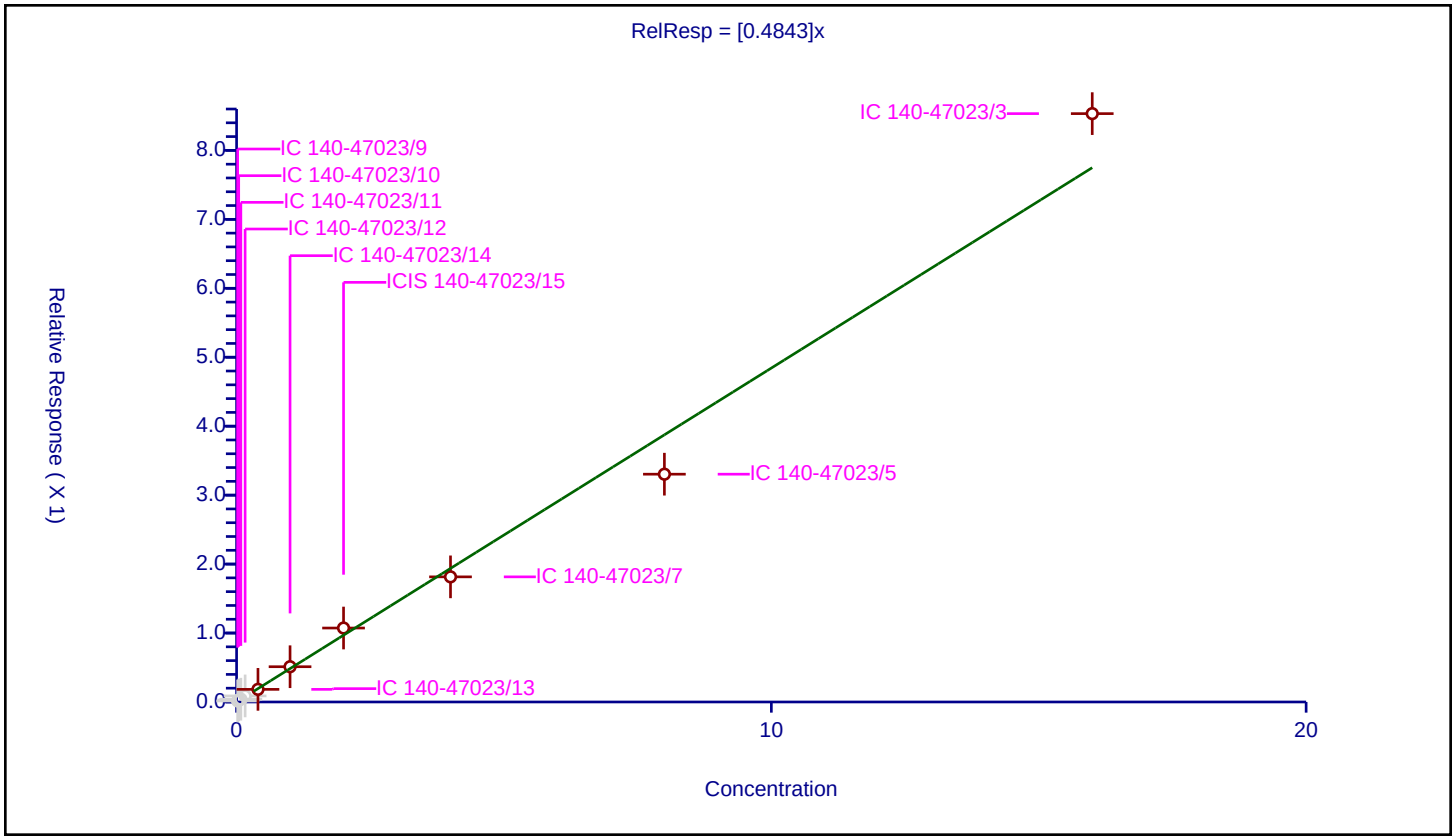
Curve Coefficients

Intercept:	0
Slope:	0.4843

Error Coefficients

Standard Error:	1190000
Relative Standard Error:	10.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47023/9	0.020001	0.01507	4.8	1384258.0	0.753464	N
2	IC 140-47023/10	0.040002	0.028726	4.8	1332093.0	0.718112	N
3	IC 140-47023/11	0.080004	0.040486	4.8	1341030.0	0.506048	N
4	IC 140-47023/12	0.160008	0.087794	4.8	1331302.0	0.548684	N
5	IC 140-47023/13	0.40002	0.183244	4.8	1318219.0	0.458086	Y
6	IC 140-47023/14	1.00005	0.511411	4.8	1345548.0	0.511385	Y
7	ICIS 140-47023/15	2.0001	1.072826	4.8	1369524.0	0.536386	Y
8	IC 140-47023/7	4.000199	1.814897	4.8	1406961.0	0.453702	Y
9	IC 140-47023/5	8.000399	3.303881	4.8	1443289.0	0.412964	Y
10	IC 140-47023/3	16.000797	8.533205	4.8	1337082.0	0.533299	Y



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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-47156/9	SB22IC01.D
Level 2	IC 140-47156/10	SB22IC02.D
Level 3	IC 140-47156/11	SB22IC03.D
Level 4	IC 140-47156/12	SB22IC04.D
Level 5	IC 140-47156/13	SB22IC05.D
Level 6	IC 140-47156/14	SB22IC06.D
Level 7	ICIS 140-47156/15	SB22IC07.D
Level 8	IC 140-47156/7	SB22IC08.D
Level 9	IC 140-47156/5	SB22C09.D
Level 10	IC 140-47156/3	SB22IC10.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 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Chlorodifluoromethane	+++++ 2.6518	+++++ 2.6828	2.7671 2.5032	2.8787 2.4352	2.7385 2.4869	Ave		2.6430				5.9		30.0			
Propene	+++++ 1.3653	+++++ 1.3481	+++++ 1.2596	1.4152 1.2276	1.3634 1.2515	Ave		1.3187				5.4		30.0			
Dichlorodifluoromethane	4.2096 3.9391	3.8930 3.9338	3.7798 3.7464	3.8858 3.6822	3.9332 3.6712	Ave		3.8674				4.1		30.0			
Chloromethane	+++++ 0.4237	+++++ 0.4212	0.4735 0.3556	0.4945 0.3443	0.4212 0.3287	Ave		0.4078				14.8		30.0			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.1798 2.1568	2.1885 2.1763	2.0589 2.0445	2.0849 1.9943	2.1686 1.9176	Ave		2.0970				4.4		30.0			
Vinyl chloride	1.3859 1.2046	1.2263 1.2111	1.1861 1.0916	1.0916 1.0824	1.1632 1.0706	Ave		1.1713				8.2		30.0			
1,3-Butadiene	+++++ 0.9985	+++++ 0.9693	0.9485 0.8784	0.9023 0.8675	0.9727 0.8618	Ave		0.9249				5.8		30.0			
Butane	+++++ 1.7995	1.8672 1.7826	1.7668 1.6027	1.7450 1.5759	1.8173 1.5647	Ave		1.7246				6.6		30.0			
Bromomethane	+++++ 1.0669	+++++ 1.0700	1.2692 0.9818	1.0967 0.9771	1.0874 0.9884	Ave		1.0672				8.9		30.0			
Chloroethane	+++++ 0.4687	+++++ 0.4570	0.5362 0.4174	0.5034 0.4138	0.4568 0.4261	Ave		0.4599				9.3		30.0			
Ethanol	+++++ 0.5094	+++++ 0.5202	+++++ 0.4371	0.5165 0.4320	0.5055 0.4442	Lin2	0.0519	0.4649							0.9930		0.9900
Vinyl bromide	1.5654 1.4304	1.4675 1.4454	1.4809 1.3841	1.3784 1.3655	1.4164 1.3491	Ave		1.4283				4.6		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

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 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
2-Methylbutane	+++++ 2.0249	+++++ 2.0236	2.1844 1.9532	2.0696 1.8863	2.0576 1.8671	Ave		2.0083				5.2		30.0			
Trichlorofluoromethane	+++++ 3.8007	3.7716 3.8317	3.6393 3.6609	3.6876 3.5761	3.7465 3.4523	Ave		3.6852				3.3		30.0			
Acrolein	+++++ 0.5213	+++++ 0.5165	+++++ 0.5067	0.5202 0.5201	0.5004 0.4807	Ave		0.5094				2.9		30.0			
Acetonitrile	+++++ 0.7718	+++++ 0.7585	+++++ 0.7182	0.8442 0.7023	0.7777 0.7065	Ave		0.7542				6.7		30.0			
Acetone	+++++ 1.1116	+++++ 0.8265	+++++ 0.7614	1.1110 0.7367	0.9478 0.6958	Ave		0.8844				19.7		30.0			
Isopropyl alcohol	2.4484 2.2636	2.1583 2.3316	2.0525 2.2058	2.1355 2.1108	2.1465 2.0331	Ave		2.1886				5.9		30.0			
Pentane	+++++ 0.1776	+++++ 0.1957	+++++ 0.1735	0.1960 0.1677	0.1712 0.1578	Ave		0.1771				8.0		30.0			
Ethyl ether	+++++ 2.0622	2.1207 2.0490	1.8864 1.9573	2.0284 1.9014	2.0119 1.9212	Ave		1.9932				4.0		30.0			
1,1-Dichloroethene	+++++ 1.5206	1.4203 1.5143	1.4155 1.4927	1.4678 1.4606	1.5023 1.4236	Ave		1.4686				2.8		30.0			
tert-Butyl alcohol	+++++ 2.5293	+++++ 2.6360	2.3410 2.5003	2.3783 2.4262	2.4158 2.4214	Ave		2.4560				3.9		30.0			
Acrylonitrile	+++++ 1.2576	+++++ 1.2604	1.3331 1.2253	1.2454 1.2027	1.2164 1.2009	Ave		1.2427				3.5		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	3.2112 3.2105	3.1537 3.2230	3.0745 3.0675	3.0980 2.9609	3.1850 2.8112	Ave		3.0996				4.2		30.0			
Methylene Chloride	+++++ 1.5101	+++++ 1.4906	+++++ 1.3782	1.6179 1.3236	1.5493 1.2916	Ave		1.4516				8.4		30.0			
3-Chloropropene	+++++ 1.4487	+++++ 1.4764	1.6555 1.3653	1.5082 1.3036	1.4522 1.3234	Ave		1.4417				7.9		30.0			
Carbon disulfide	+++++ 4.7062	+++++ 4.6922	5.6064 4.5899	5.0949 4.4577	4.7384 4.4201	Ave		4.7882				8.1		30.0			
trans-1,2-Dichloroethene	1.5985 1.5350	1.4132 1.5143	1.5009 1.4765	1.5053 1.4128	1.4767 1.3685	Ave		1.4802				4.5		30.0			
2-Methylpentane	+++++ 4.0475	4.2497 4.0481	3.9335 3.8343	4.1240 3.7092	4.0579 3.5739	Ave		3.9531				5.4		30.0			
Methyl tert-butyl ether	+++++ 3.8236	3.5729 3.8981	3.7147 3.7345	3.7140 3.6329	3.8168 3.5825	Ave		3.7211				3.0		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

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 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
1,1-Dichloroethane	3.4144 3.1216	2.9320 3.1278	3.1449 3.0082	3.0385 2.9485	3.1341 2.9401	Ave		3.0810				4.7		30.0			
Vinyl acetate	+++++ 3.6487	4.1159 3.7981	3.6652 3.8671	3.7574 3.9667	3.7216 4.1537	Ave		3.8549				4.8		30.0			
2-Butanone (MEK)	+++++ 0.8498	+++++ 0.7778	0.9117 0.7418	0.8751 0.7324	0.7772 0.7238	Ave		0.7987				8.9		30.0			
Hexane	+++++ 1.3172	1.2988 1.3017	1.2724 1.2548	1.3170 1.2160	1.3339 1.1794	Ave		1.2768				4.0		30.0			
cis-1,2-Dichloroethene	1.7887 1.6217	1.6986 1.6249	1.5895 1.5709	1.5906 1.5350	1.6072 1.5072	Ave		1.6134				5.0		30.0			
Ethyl acetate	+++++ 3.9038	4.0669 3.9296	3.7068 3.8045	3.8138 3.7378	3.9151 3.8080	Ave		3.8540				2.9		30.0			
Chloroform	3.8563 3.3802	3.5493 3.3925	3.2474 3.2503	3.3063 3.1484	3.3909 3.1194	Ave		3.3641				6.4		30.0			
Tetrahydrofuran	+++++ 1.9693	+++++ 1.9953	2.0215 1.9149	1.9890 1.8800	1.9444 1.8992	Ave		1.9517				2.6		30.0			
1,1,1-Trichloroethane	3.4818 3.1429	3.1266 3.1562	3.0801 3.1023	2.9925 3.0425	3.0959 3.0076	Ave		3.1228				4.4		30.0			
1,2-Dichloroethane	+++++ 0.4391	0.4692 0.4477	0.4289 0.4400	0.4372 0.4280	0.4419 0.4312	Ave		0.4404				2.9		30.0			
1-Butanol	+++++ 0.1471	+++++ 0.1555	+++++ 0.1532	0.1430 0.1514	0.1397 0.1582	Ave		0.1497				4.5		30.0			
Cyclohexane	+++++ 0.1574	+++++ 0.1606	+++++ 0.1532	0.1561 0.1426	0.1609 0.1345	Ave		0.1522				6.6		30.0			
Benzene	+++++ 1.0060	1.1727 1.0100	1.0422 0.9511	1.0029 0.8998	1.0098 0.8500	Ave		0.9938				9.2		30.0			
Carbon tetrachloride	0.5046 0.5539	0.4732 0.6134	0.4718 0.6023	0.5384 0.4978	0.4873 0.5572	Ave		0.5300				9.7		30.0			
2,3-Dimethylpentane	+++++ 0.2141	+++++ 0.2145	0.2102 0.2088	0.2119 0.1966	0.2141 0.1930	Ave		0.2079				4.0		30.0			
Thiophene	0.5798 0.5604	0.5317 0.5634	0.5342 0.5504	0.5409 0.5320	0.5459 0.5316	Ave		0.5470				3.0		30.0			
2,2,4-Trimethylpentane	1.7978 1.6962	1.6992 1.7359	1.6561 1.6540	1.6648 1.5975	1.6888 1.5824	Ave		1.6773				3.7		30.0			
Heptane	+++++ 0.3273	0.3029 0.3264	0.3036 0.3152	0.3214 0.3028	0.3238 0.3001	Ave		0.3137				3.6		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

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 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
1,2-Dichloropropane	+++++ 0.4321	0.4449 0.4346	0.4268 0.4194	0.4259 0.3983	0.4201 0.3920	Ave		0.4216				4.0		30.0			
Trichloroethene	0.4529 0.3880	0.3926 0.3876	0.3742 0.3736	0.3795 0.3491	0.3794 0.3409	Ave		0.3818				7.9		30.0			
Dibromomethane	+++++ 0.3923	+++++ 0.4003	0.4020 0.3845	0.3758 0.3667	0.3987 0.3613	Ave		0.3852				4.1		30.0			
Bromodichloromethane	0.6754 0.6601	0.6448 0.6807	0.5793 0.6699	0.6061 0.6420	0.6263 0.6403	Ave		0.6425				5.0		30.0			
1,4-Dioxane	+++++ 0.1459	+++++ 0.1550	0.1449 0.1493	0.1523 0.1399	0.1452 0.1360	Ave		0.1461				4.3		30.0			
Methyl methacrylate	+++++ 0.4620	0.5006 0.4788	0.4266 0.4698	0.4363 0.4606	0.4389 0.4644	Ave		0.4598				5.0		30.0			
Methylcyclohexane	0.5949 0.5991	0.5958 0.6050	0.5595 0.5862	0.5807 0.5602	0.5878 0.5560	Ave		0.5825				3.1		30.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.8591	0.9189 0.8702	0.8376 0.8498	0.8300 0.8203	0.8236 0.8256	Ave		0.8483				3.7		30.0			
cis-1,3-Dichloropropene	0.5453 0.5382	0.5170 0.5611	0.4726 0.5540	0.4880 0.5384	0.5204 0.5450	Ave		0.5280				5.4		30.0			
trans-1,3-Dichloropropene	0.5633 0.5520	0.4739 0.5764	0.4799 0.5838	0.4810 0.5729	0.4991 0.5726	Ave		0.5355				8.6		30.0			
Toluene	+++++ 1.4072	+++++ 1.4128	1.4939 1.3510	1.4272 1.3001	1.3953 1.2637	Ave		1.3814				5.3		30.0			
1,1,2-Trichloroethane	0.5170 0.4486	0.4436 0.4520	0.4316 0.4307	0.4386 0.4118	0.4465 0.3980	Ave		0.4419				7.1		30.0			
2-Hexanone	+++++ 0.4748	0.4206 0.4924	0.4238 0.4846	0.4155 0.4685	0.4463 0.4646	Ave		0.4546				6.4		30.0			
Octane	0.3348 0.3818	0.3703 0.3794	0.3481 0.3603	0.3394 0.3490	0.3600 0.3312	Ave		0.3554				5.1		30.0			
C8 Range	+++++ 3.6978	+++++ 3.4881	3.2576 3.2805	3.4175 3.1255	3.4334 3.0493	Ave		3.3437				6.2		30.0			
Dibromochloromethane	0.6510 0.7104	0.5713 0.7442	0.5594 0.7466	0.5956 0.7261	0.6283 0.7076	Ave		0.6641				10.9		30.0			
1,2-Dibromoethane (EDB)	+++++ 0.7211	0.7149 0.7249	0.6816 0.7164	0.6817 0.6929	0.7021 0.6801	Ave		0.7018				2.6		30.0			
Tetrachloroethene	0.5752 0.4787	0.5351 0.4716	0.4781 0.4471	0.4654 0.4277	0.4669 0.3971	Ave		0.4743				10.6		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

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 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Chlorobenzene	+++++ 1.0003	+++++ 0.9857	1.0497 0.9423	1.0254 0.8830	0.9840 0.8124	Ave		0.9603				8.2		30.0			
Ethylbenzene	+++++ 1.7682	1.9504 1.7857	1.7602 1.7147	1.7774 1.6501	1.7644 1.5828	Ave		1.7504				5.8		30.0			
m-Xylene & p-Xylene	+++++ 1.4107	1.5521 1.4061	1.4048 1.3442	1.4150 1.2525	1.3855 1.1540	Ave		1.3694				8.2		30.0			
Nonane	+++++ 0.9987	0.9568 1.0088	0.9408 0.9713	0.9539 0.9172	0.9588 0.8696	Ave		0.9529				4.4		30.0			
Bromoform	+++++ 0.6132	+++++ 0.6533	0.4020 0.7036	0.4712 0.6700	0.4683 0.6282	Ave		0.5762				19.5		30.0			
Styrene	0.9826 0.9698	0.9063 1.0014	0.8800 0.9802	0.8796 0.9097	0.8986 0.8202	Ave		0.9228				6.3		30.0			
o-Xylene	+++++ 1.4712	1.6639 1.4838	1.4995 1.4390	1.4624 1.3603	1.4813 1.2838	Ave		1.4606				7.1		30.0			
1,1,2,2-Tetrachloroethane	+++++ 1.1021	1.1145 1.1485	1.0594 1.1248	1.0830 1.0723	1.0733 1.0233	Ave		1.0890				3.5		30.0			
1,2,3-Trichloropropane	0.2044 0.2289	0.2229 0.2349	0.2076 0.2288	0.2059 0.2185	0.2159 0.2096	Ave		0.2177				5.0		30.0			
Isopropylbenzene	+++++ 1.8802	2.1148 1.9044	1.8622 1.8370	1.8666 1.7484	1.8509 1.6463	Ave		1.8568				6.8		30.0			
Propylbenzene	0.5121 0.5064	0.4452 0.5132	0.4847 0.5074	0.5143 0.4822	0.4961 0.4563	Ave		0.4918				5.0		30.0			
2-Chlorotoluene	+++++ 0.4666	0.5273 0.4715	0.4474 0.4592	0.4674 0.4396	0.4494 0.4171	Ave		0.4606				6.6		30.0			
4-Ethyltoluene	+++++ 1.9587	2.0942 1.9914	1.8799 1.9303	1.8310 1.8217	1.8767 1.7038	Ave		1.8986				5.9		30.0			
1,3,5-Trimethylbenzene	+++++ 0.7476	0.7741 0.7455	0.7556 0.7260	0.7252 0.6942	0.7100 0.6446	Ave		0.7248				5.3		30.0			
Alpha Methyl Styrene	0.6789 0.7556	0.6491 0.7984	0.6402 0.8108	0.6458 0.7854	0.6969 0.7497	Ave		0.7211				9.2		30.0			
Decane	1.3526 1.3292	1.3173 1.3287	1.2490 1.2648	1.3036 1.1727	1.2981 1.0380	Ave		1.2654				7.5		30.0			
tert-Butylbenzene	+++++ 1.6612	1.7939 1.6664	1.6572 1.5874	1.6851 1.4581	1.6087 1.3011	Ave		1.6021				9.0		30.0			
1,2,4-Trimethylbenzene	+++++ 1.6952	1.8085 1.6814	1.6740 1.6154	1.6687 1.4682	1.6354 1.3060	Ave		1.6170				9.1		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

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 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
sec-Butylbenzene	+++++ 2.4110	2.5658 2.4357	2.4241 2.3303	2.4052 2.1643	2.3640 1.9467	Ave		2.3386				7.7		30.0			
1,3-Dichlorobenzene	+++++ 0.9819	+++++ 0.9821	1.0442 0.9755	0.9934 0.9098	0.9431 0.8336	Ave		0.9580				6.6		30.0			
Benzyl chloride	1.1298 1.1702	0.9147 1.2718	0.8745 1.3164	0.8793 1.2998	0.9379 1.1998	Ave		1.0994				16.4		30.0			
1,4-Dichlorobenzene	+++++ 0.9641	+++++ 0.9688	1.0323 0.9651	0.9679 0.9064	0.9186 0.8266	Ave		0.9437				6.4		30.0			
4-Isopropyltoluene	+++++ 1.8961	1.9526 1.9115	1.9084 1.8586	1.9150 1.7248	1.8438 1.5782	Ave		1.8432				6.5		30.0			
1,2,3-Trimethylbenzene	+++++ 1.7070	+++++ 1.7227	1.6752 1.6734	1.7039 1.5666	1.6696 1.4516	Lin1	0.0407	1.5283							0.9960		0.9900
Indane	+++++ 1.5773	1.5436 1.5720	1.5305 1.5205	1.5055 1.3813	1.5151 1.1967	Ave		1.4825				8.2		30.0			
1,2-Dichlorobenzene	+++++ 0.9869	+++++ 0.9741	1.0546 0.9479	0.9922 0.8649	0.9389 0.7635	Ave		0.9404				9.5		30.0			
Butylbenzene	+++++ 2.1417	2.3464 2.1260	2.1687 2.0293	2.1549 1.8067	2.0643 1.5262	Ave		2.0405				11.8		30.0			
Indene	+++++ 1.3240	1.2615 1.3376	1.1880 1.3139	1.1857 1.2071	1.2188 1.0507	Ave		1.2319				7.3		30.0			
Undecane	1.4744 1.5392	1.4558 1.5300	1.4290 1.4722	1.5246 1.3570	1.4632 1.1771	Ave		1.4423				7.5		30.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.4262	+++++ 0.4327	0.3041 0.4777	0.3619 0.4733	0.3360 0.4528	Ave		0.4081				16.1		30.0			
1,2,4,5-Tetramethylbenzene	+++++ 1.8994	2.1192 1.8863	1.9715 1.8724	1.9656 1.7569	1.8443 1.6148	Ave		1.8812				7.5		30.0			
Dodecane	1.4097 1.6286	1.4029 1.5459	1.4717 1.5744	1.6115 1.4480	1.4509 1.2456	Ave		1.4789				7.8		30.0			
1,2,4-Trichlorobenzene	+++++ 0.6966	+++++ 0.6959	0.7023 0.7665	0.6774 0.7356	0.5882 0.7122	Ave		0.6969				7.4		30.0			
Naphthalene	+++++ 1.8748	2.5479 1.7612	2.1864 1.9469	1.9931 1.8917	1.6494 1.8178	Ave		1.9633				13.6		30.0			
Hexachlorobutadiene	+++++ 0.6391	0.7644 0.6083	0.7300 0.5925	0.7250 0.5348	0.6266 0.4475	Ave		0.6298				16.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.5585	0.7525 0.5268	0.6488 0.5487	0.6166 0.5122	0.4975 0.4603	Ave		0.5691				15.8		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

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 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
2-Methylnaphthalene	+++++ 0.2755	+++++ 0.2527	0.2900 0.3363	0.2653 0.3290	0.1964 0.3170	Ave		0.2828				16.3		50.0			
1-Methylnaphthalene	+++++ 0.3854	+++++ 0.3316	0.4829 0.4134	0.4496 0.3770	0.3140 0.3503	Ave		0.3880				15.0		50.0			
4-Bromofluorobenzene (Surr)	0.8298 0.8297	0.8346 0.8383	0.8282 0.8460	0.8262 0.8482	0.8300 0.8445	Ave		0.8356				1.0		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-47156/9	SB22IC01.D
Level 2	IC 140-47156/10	SB22IC02.D
Level 3	IC 140-47156/11	SB22IC03.D
Level 4	IC 140-47156/12	SB22IC04.D
Level 5	IC 140-47156/13	SB22IC05.D
Level 6	IC 140-47156/14	SB22IC06.D
Level 7	ICIS 140-47156/15	SB22IC07.D
Level 8	IC 140-47156/7	SB22IC08.D
Level 9	IC 140-47156/5	SB22C09.D
Level 10	IC 140-47156/3	SB22IC10.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Chlorodifluoromethane	CBM	Ave	+++++	+++++	9397	19707	45574	+++++	+++++	0.0800	0.160	0.400
			108915	222317	427000	830966	1651546	1.00	2.00	4.00	8.00	16.0
Propene	CBM	Ave	+++++	+++++	+++++	9688	22690	+++++	+++++	+++++	0.160	0.400
			56077	111718	214870	418894	831121	1.00	2.00	4.00	8.00	16.0
Dichlorodifluoromethane	CBM	Ave	3563	6603	12836	26601	65455	0.0200	0.0400	0.0800	0.160	0.400
			161788	325985	639060	1256456	2438035	1.00	2.00	4.00	8.00	16.0
Chloromethane	CBM	Ave	+++++	+++++	1608	3385	7009	+++++	+++++	0.0800	0.160	0.400
			17401	34900	60650	117468	218295	1.00	2.00	4.00	8.00	16.0
1,2-Dichloro-1,1,2,2-tetrafluoro ethane	CBM	Ave	1845	3712	6992	14273	36089	0.0200	0.0400	0.0800	0.160	0.400
			88583	180344	348743	680510	1273472	1.00	2.00	4.00	8.00	16.0
Vinyl chloride	CBM	Ave	1173	2080	4028	7473	19357	0.0200	0.0400	0.0800	0.160	0.400
			49475	100364	186210	369340	710958	1.00	2.00	4.00	8.00	16.0
1,3-Butadiene	CBM	Ave	+++++	+++++	3221	6177	16188	+++++	+++++	0.0800	0.160	0.400
			41011	80321	149844	296017	572326	1.00	2.00	4.00	8.00	16.0
Butane	CBM	Ave	+++++	3167	6000	11946	30243	+++++	0.0400	0.0800	0.160	0.400
			73911	147720	273395	537729	1039121	1.00	2.00	4.00	8.00	16.0
Bromomethane	CBM	Ave	+++++	+++++	4310	7508	18097	+++++	+++++	0.0800	0.160	0.400
			43820	88665	167482	333400	656366	1.00	2.00	4.00	8.00	16.0
Chloroethane	CBM	Ave	+++++	+++++	1821	3446	7602	+++++	+++++	0.0800	0.160	0.400
			19249	37869	71203	141185	282963	1.00	2.00	4.00	8.00	16.0
Ethanol	CBM	Lin2	+++++	+++++	+++++	17679	42065	+++++	+++++	+++++	0.800	2.00
			104620	215534	372818	737117	1475107	5.00	10.0	20.0	40.0	80.0
Vinyl bromide	CBM	Ave	1325	2489	5029	9436	23571	0.0200	0.0400	0.0800	0.160	0.400

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
			58748	119776	236098	465954	895919	1.00	2.00	4.00	8.00	16.0
2-Methylbutane	CBM	Ave	+++++	+++++	7418	14168	34243	+++++	+++++	0.0800	0.160	0.400
			83167	167688	333172	643643	1239909	1.00	2.00	4.00	8.00	16.0
Trichlorofluoromethane	CBM	Ave	+++++	6397	12359	25244	62349	+++++	0.0400	0.0800	0.160	0.400
			156102	317528	624469	1220244	2292627	1.00	2.00	4.00	8.00	16.0
Acrolein	CBM	Ave	+++++	+++++	+++++	3561	8328	+++++	+++++	+++++	0.160	0.400
			21412	42804	86439	177486	319237	1.00	2.00	4.00	8.00	16.0
Acetonitrile	CBM	Ave	+++++	+++++	+++++	5779	12942	+++++	+++++	+++++	0.160	0.400
			31700	62859	122508	239626	469211	1.00	2.00	4.00	8.00	16.0
Acetone	CBM	Ave	+++++	+++++	+++++	22816	47321	+++++	+++++	+++++	0.480	1.20
			136973	205480	389612	754151	1386230	3.00	6.00	12.0	24.0	48.0
Isopropyl alcohol	CBM	Ave	6217	10982	20911	43857	107164	0.0600	0.120	0.240	0.480	1.20
			278915	579641	1128807	2160780	4050559	3.00	6.00	12.0	24.0	48.0
Pentane	CBM	Ave	+++++	+++++	+++++	1342	2849	+++++	+++++	+++++	0.160	0.400
			7293	16217	29599	57228	104778	1.00	2.00	4.00	8.00	16.0
Ethyl ether	CBM	Ave	+++++	3597	6406	13886	33482	+++++	0.0400	0.0800	0.160	0.400
			84699	169799	333879	648811	1275876	1.00	2.00	4.00	8.00	16.0
1,1-Dichloroethene	CBM	Ave	+++++	2409	4807	10048	25001	+++++	0.0400	0.0800	0.160	0.400
			62453	125489	254625	498397	945434	1.00	2.00	4.00	8.00	16.0
tert-Butyl alcohol	CBM	Ave	+++++	+++++	7950	16281	40204	+++++	+++++	0.0800	0.160	0.400
			103886	218439	426495	827872	1608022	1.00	2.00	4.00	8.00	16.0
Acrylonitrile	CBM	Ave	+++++	+++++	4527	8526	20243	+++++	+++++	0.0800	0.160	0.400
			51651	104448	209012	410404	797532	1.00	2.00	4.00	8.00	16.0
1,1,2-Trichloro-1,2,2-trifluoroethane	CBM	Ave	2718	5349	10441	21208	53005	0.0200	0.0400	0.0800	0.160	0.400
			131864	267085	523257	1010348	1866893	1.00	2.00	4.00	8.00	16.0
Methylene Chloride	CBM	Ave	+++++	+++++	+++++	11076	25783	+++++	+++++	+++++	0.160	0.400
			62024	123524	235097	451657	857716	1.00	2.00	4.00	8.00	16.0
3-Chloropropene	CBM	Ave	+++++	+++++	5622	10325	24168	+++++	+++++	0.0800	0.160	0.400
			59503	122349	232886	444833	878870	1.00	2.00	4.00	8.00	16.0
Carbon disulfide	CBM	Ave	+++++	+++++	19039	34878	78856	+++++	+++++	0.0800	0.160	0.400
			193296	388830	782938	1521073	2935341	1.00	2.00	4.00	8.00	16.0
trans-1,2-Dichloroethene	CBM	Ave	1353	2397	5097	10305	24575	0.0200	0.0400	0.0800	0.160	0.400
			63044	125489	251863	482093	908836	1.00	2.00	4.00	8.00	16.0
2-Methylpentane	CBM	Ave	+++++	7208	13358	28232	67531	+++++	0.0400	0.0800	0.160	0.400
			166239	335454	654060	1265662	2373384	1.00	2.00	4.00	8.00	16.0

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Methyl tert-butyl ether	CBM	Ave	+++++ 157044	6060 323026	12615 637033	25425 1239630	63519 2379132	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1-Dichloroethane	CBM	Ave	2890 128211	4973 259195	10680 513128	20801 1006117	52157 1952520	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl acetate	CBM	Ave	+++++ 149859	6981 314740	12447 659646	25722 1353547	61935 2758428	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Butanone (MEK)	CBM	Ave	+++++ 34902	+++++ 64454	3096 126531	5991 249924	12934 480651	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Hexane	CBM	Ave	+++++ 54100	2203 107873	4321 214041	9016 414938	22198 783248	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
cis-1,2-Dichloroethene	CBM	Ave	1514 66605	2881 134655	5398 267969	10889 523787	26746 1000926	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethyl acetate	CBM	Ave	+++++ 160338	6898 325641	12588 648975	26108 1275433	65154 2528897	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroform	CBM	Ave	3264 138834	6020 281129	11028 554429	22634 1074298	56430 2071576	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrahydrofuran	CBM	Ave	+++++ 80882	+++++ 165348	6865 326639	13616 641494	32358 1261248	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,1-Trichloroethane	CBM	Ave	2947 129087	5303 261547	10460 529194	20486 1038186	51521 1997348	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichloroethane	DFBZ	Ave	+++++ 90976	3981 185049	7388 372047	15126 730065	37231 1416142	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1-Butanol	DFBZ	Ave	+++++ 30474	+++++ 64268	+++++ 129544	4948 258305	11768 519636	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Cyclohexane	DFBZ	Ave	+++++ 32606	+++++ 66395	+++++ 129508	5402 243255	13557 441607	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Benzene	DFBZ	Ave	+++++ 208428	9951 417446	17951 804270	34700 1534797	85081 2791607	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon tetrachloride	DFBZ	Ave	2179 114760	4015 253518	8127 509274	18627 849083	41056 1829852	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2,3-Dimethylpentane	DFBZ	Ave	+++++ 44365	+++++ 88648	3620 176523	7331 335327	18039 633991	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Thiophene	DFBZ	Ave	2504 116102	4512 232867	9201 465395	18716 907463	45990 1745848	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2,2,4-Trimethylpentane	DFBZ	Ave	7764 351440	14418 717462	28525 1398667	57601 2724752	142285 5196926	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Heptane	DFBZ	Ave	+++++	2570	5230	11119	27284	+++++	0.0400	0.0800	0.160	0.400
			67817	134909	266531	516426	985480	1.00	2.00	4.00	8.00	16.0
1,2-Dichloropropane	DFBZ	Ave	+++++	3775	7352	14736	35396	+++++	0.0400	0.0800	0.160	0.400
			89519	179603	354637	679442	1287357	1.00	2.00	4.00	8.00	16.0
Trichloroethene	DFBZ	Ave	1956	3331	6446	13132	31964	0.0200	0.0400	0.0800	0.160	0.400
			80395	160191	315926	595417	1119481	1.00	2.00	4.00	8.00	16.0
Dibromomethane	DFBZ	Ave	+++++	+++++	6924	13001	33595	+++++	+++++	0.0800	0.160	0.400
			81288	165446	325143	625546	1186711	1.00	2.00	4.00	8.00	16.0
Bromodichloromethane	DFBZ	Ave	2917	5471	9977	20971	52767	0.0200	0.0400	0.0800	0.160	0.400
			136767	281334	566471	1094978	2102761	1.00	2.00	4.00	8.00	16.0
1,4-Dioxane	DFBZ	Ave	+++++	+++++	2495	5268	12231	+++++	+++++	0.0800	0.160	0.400
			30236	64077	126214	238682	446584	1.00	2.00	4.00	8.00	16.0
Methyl methacrylate	DFBZ	Ave	+++++	4248	7347	15095	36978	+++++	0.0400	0.0800	0.160	0.400
			95731	197907	397291	785608	1525050	1.00	2.00	4.00	8.00	16.0
Methylcyclohexane	DFBZ	Ave	2569	5056	9636	20091	49525	0.0200	0.0400	0.0800	0.160	0.400
			124138	250031	495691	955495	1825890	1.00	2.00	4.00	8.00	16.0
4-Methyl-2-pentanone (MIBK)	DFBZ	Ave	+++++	7797	14426	28718	69390	+++++	0.0400	0.0800	0.160	0.400
			178009	359644	718559	1399204	2711345	1.00	2.00	4.00	8.00	16.0
cis-1,3-Dichloropropene	DFBZ	Ave	2355	4387	8140	16884	43841	0.0200	0.0400	0.0800	0.160	0.400
			111516	231904	468498	918309	1789972	1.00	2.00	4.00	8.00	16.0
trans-1,3-Dichloropropene	CBZd 5	Ave	2081	3442	7080	14273	36124	0.0200	0.0400	0.0800	0.160	0.400
			97983	205380	428040	845341	1663501	1.00	2.00	4.00	8.00	16.0
Toluene	CBZd 5	Ave	+++++	+++++	22040	42354	100980	+++++	+++++	0.0800	0.160	0.400
			249779	503454	990596	1918247	3671163	1.00	2.00	4.00	8.00	16.0
1,1,2-Trichloroethane	CBZd 5	Ave	1910	3222	6368	13015	32315	0.0200	0.0400	0.0800	0.160	0.400
			79633	161060	315821	607556	1156326	1.00	2.00	4.00	8.00	16.0
2-Hexanone	CBZd 5	Ave	+++++	3055	6253	12331	32303	+++++	0.0400	0.0800	0.160	0.400
			84287	175481	355295	691283	1349617	1.00	2.00	4.00	8.00	16.0
Octane	CBZd 5	Ave	1237	2690	5136	10072	26051	0.0200	0.0400	0.0800	0.160	0.400
			67779	135209	264193	514871	962034	1.00	2.00	4.00	8.00	16.0
C8 Range	DFBZ	Ave	+++++	+++++	56109	118244	289270	+++++	+++++	0.0800	0.160	0.400

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
			766165	1441631	2774044	5331045	10014568	1.00	2.00	4.00	8.00	16.0
Dibromochloromethane	CBZd 5	Ave	2405	4150	8253	17676	45472	0.0200	0.0400	0.0800	0.160	0.400
			126097	265191	547416	1071371	2055677	1.00	2.00	4.00	8.00	16.0
1,2-Dibromoethane (EDB)	CBZd 5	Ave	+++++	5193	10056	20230	50813	+++++	0.0400	0.0800	0.160	0.400
			128000	258318	525278	1022293	1975620	1.00	2.00	4.00	8.00	16.0
Tetrachloroethene	CBZd 5	Ave	2125	3887	7054	13811	33789	0.0200	0.0400	0.0800	0.160	0.400
			84980	168043	327814	631088	1153663	1.00	2.00	4.00	8.00	16.0
Chlorobenzene	CBZd 5	Ave	+++++	+++++	15486	30429	71210	+++++	+++++	0.0800	0.160	0.400
			177552	351243	690889	1302862	2359993	1.00	2.00	4.00	8.00	16.0
Ethylbenzene	CBZd 5	Ave	+++++	14167	25968	52744	127692	+++++	0.0400	0.0800	0.160	0.400
			313858	636313	1257262	2434530	4598061	1.00	2.00	4.00	8.00	16.0
m-Xylene & p-Xylene	CBZd 5	Ave	+++++	22548	41449	83981	200536	+++++	0.0800	0.160	0.320	0.800
			500800	1002101	1971142	3695901	6704546	2.00	4.00	8.00	16.0	32.0
Nonane	CBZd 5	Ave	+++++	6950	13880	28307	69391	+++++	0.0400	0.0800	0.160	0.400
			177266	359496	712196	1353328	2526319	1.00	2.00	4.00	8.00	16.0
Bromoform	CBZd 5	Ave	+++++	+++++	5931	13982	33890	+++++	+++++	0.0800	0.160	0.400
			108853	232814	515901	988504	1825017	1.00	2.00	4.00	8.00	16.0
Styrene	CBZd 5	Ave	3630	6583	12983	26102	65030	0.0200	0.0400	0.0800	0.160	0.400
			172139	356833	718724	1342221	2382778	1.00	2.00	4.00	8.00	16.0
o-Xylene	CBZd 5	Ave	+++++	12086	22122	43396	107205	+++++	0.0400	0.0800	0.160	0.400
			261139	528730	1055090	2006998	3729319	1.00	2.00	4.00	8.00	16.0
1,1,2,2-Tetrachloroethane	CBZd 5	Ave	+++++	8095	15629	32138	77678	+++++	0.0400	0.0800	0.160	0.400
			195632	409265	824730	1582096	2972582	1.00	2.00	4.00	8.00	16.0
1,2,3-Trichloropropane	CBZd 5	Ave	755	1619	3062	6111	15626	0.0200	0.0400	0.0800	0.160	0.400

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
			40633	83696	167732	322348	608893	1.00	2.00	4.00	8.00	16.0
Isopropylbenzene	CBZd 5	Ave	+++++	15361	27473	55393	133949	+++++	0.0400	0.0800	0.160	0.400
			333751	678606	1346921	2579558	4782526	1.00	2.00	4.00	8.00	16.0
Propylbenzene	CBZd 5	Ave	1892	3234	7151	15261	35907	0.0200	0.0400	0.0800	0.160	0.400
			89889	182858	372065	711491	1325659	1.00	2.00	4.00	8.00	16.0
2-Chlorotoluene	CBZd 5	Ave	+++++	3830	6600	13871	32522	+++++	0.0400	0.0800	0.160	0.400
			82815	168017	336667	648557	1211563	1.00	2.00	4.00	8.00	16.0
4-Ethyltoluene	CBZd 5	Ave	+++++	15211	27734	54337	135820	+++++	0.0400	0.0800	0.160	0.400
			347678	709634	1415323	2687841	4949577	1.00	2.00	4.00	8.00	16.0
1,3,5-Trimethylbenzene	CBZd 5	Ave	+++++	5623	11147	21522	51387	+++++	0.0400	0.0800	0.160	0.400
			132710	265654	532326	1024230	1872507	1.00	2.00	4.00	8.00	16.0
Alpha Methyl Styrene	CBZd 5	Ave	2508	4715	9445	19165	50439	0.0200	0.0400	0.0800	0.160	0.400
			134114	284496	594454	1158769	2177762	1.00	2.00	4.00	8.00	16.0
Decane	CBZd 5	Ave	4997	9568	18427	38684	93949	0.0200	0.0400	0.0800	0.160	0.400
			235938	473481	927348	1730290	3015503	1.00	2.00	4.00	8.00	16.0
tert-Butylbenzene	CBZd 5	Ave	+++++	13030	24449	50006	116427	+++++	0.0400	0.0800	0.160	0.400
			294876	593819	1163870	2151370	3779670	1.00	2.00	4.00	8.00	16.0
1,2,4-Trimethylbenzene	CBZd 5	Ave	+++++	13136	24696	49519	118358	+++++	0.0400	0.0800	0.160	0.400
			300907	599162	1184386	2166259	3793891	1.00	2.00	4.00	8.00	16.0
sec-Butylbenzene	CBZd 5	Ave	+++++	18637	35763	71376	171089	+++++	0.0400	0.0800	0.160	0.400
			427954	867932	1708626	3193220	5655298	1.00	2.00	4.00	8.00	16.0
1,3-Dichlorobenzene	CBZd 5	Ave	+++++	+++++	15405	29481	68256	+++++	+++++	0.0800	0.160	0.400
			174292	349966	715278	1342313	2421640	1.00	2.00	4.00	8.00	16.0
Benzyl chloride	CBZd 5	Ave	4174	6644	12902	26095	67878	0.0200	0.0400	0.0800	0.160	0.400

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
			207714	453213	965176	1917810	3485507	1.00	2.00	4.00	8.00	16.0
1,4-Dichlorobenzene	CBZd 5	Ave	+++++	+++++	15230	28722	66483	+++++	+++++	0.0800	0.160	0.400
			171136	345210	707608	1337295	2401216	1.00	2.00	4.00	8.00	16.0
4-Isopropyltoluene	CBZd 5	Ave	+++++	14183	28155	56828	133441	+++++	0.0400	0.0800	0.160	0.400
			336572	681156	1362753	2544883	4584638	1.00	2.00	4.00	8.00	16.0
1,2,3-Trimethylbenzene	CBZd 5	Lin1	+++++	+++++	24714	50565	120832	+++++	+++++	0.0800	0.160	0.400
			303008	613884	1226948	2311434	4217036	1.00	2.00	4.00	8.00	16.0
Indane	CBZd 5	Ave	+++++	11212	22580	44677	109648	+++++	0.0400	0.0800	0.160	0.400
			279971	560155	1114814	2038020	3476533	1.00	2.00	4.00	8.00	16.0
1,2-Dichlorobenzene	CBZd 5	Ave	+++++	+++++	15559	29444	67950	+++++	+++++	0.0800	0.160	0.400
			175187	347102	695034	1276125	2218075	1.00	2.00	4.00	8.00	16.0
Butylbenzene	CBZd 5	Ave	+++++	17043	31994	63948	149398	+++++	0.0400	0.0800	0.160	0.400
			380161	757601	1487901	2665577	4433538	1.00	2.00	4.00	8.00	16.0
Indene	CBZd 5	Ave	+++++	9163	17526	35185	88207	+++++	0.0400	0.0800	0.160	0.400
			235012	476661	963358	1781020	3052158	1.00	2.00	4.00	8.00	16.0
Undecane	CBZd 5	Ave	5447	10574	21082	45244	105896	0.0200	0.0400	0.0800	0.160	0.400
			273214	545198	1079456	2002091	3419615	1.00	2.00	4.00	8.00	16.0
1,2-Dibromo-3-Chloropropane	CBZd 5	Ave	+++++	+++++	4487	10741	24316	+++++	+++++	0.0800	0.160	0.400
			75656	154183	350288	698383	1315304	1.00	2.00	4.00	8.00	16.0
1,2,4,5-Tetramethylbenzene	CBZd 5	Ave	+++++	15393	29086	58330	133472	+++++	0.0400	0.0800	0.160	0.400
			337144	672187	1372881	2592111	4690955	1.00	2.00	4.00	8.00	16.0
Dodecane	CBZd 5	Ave	5208	10190	21712	47823	105004	0.0200	0.0400	0.0800	0.160	0.400
			289090	550882	1154354	2136403	3618597	1.00	2.00	4.00	8.00	16.0
1,2,4-Trichlorobenzene	CBZd 5	Ave	+++++	+++++	10361	20103	42572	+++++	+++++	0.0800	0.160	0.400

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
			123648	247982	562016	1085323	2069048	1.00	2.00	4.00	8.00	16.0
Naphthalene	CBZd 5	Ave	+++++	18507	32255	59147	119367	+++++	0.0400	0.0800	0.160	0.400
			332787	627589	1427516	2791122	5280747	1.00	2.00	4.00	8.00	16.0
Hexachlorobutadiene	CBZd 5	Ave	+++++	5552	10769	21515	45348	+++++	0.0400	0.0800	0.160	0.400
			113436	216776	434459	788986	1300100	1.00	2.00	4.00	8.00	16.0
1,2,3-Trichlorobenzene	CBZd 5	Ave	+++++	5466	9572	18297	36005	+++++	0.0400	0.0800	0.160	0.400
			99142	187716	402338	755779	1337105	1.00	2.00	4.00	8.00	16.0
2-Methylnaphthalene	CBZd 5	Ave	+++++	+++++	4279	7874	14213	+++++	+++++	0.0800	0.160	0.400
			48897	90046	246565	485390	920796	1.00	2.00	4.00	8.00	16.0
1-Methylnaphthalene	CBZd 5	Ave	+++++	+++++	7125	13343	22727	+++++	+++++	0.0800	0.160	0.400
			68415	118169	303091	556204	1017775	1.00	2.00	4.00	8.00	16.0
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	711226	703239	708650	711053	696817	4.64	4.64	4.64	4.64	4.64
			683372	693012	719534	725821	711470	4.64	4.64	4.64	4.64	4.64

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-47156/9	SB22IC01.D
Level 2	IC 140-47156/10	SB22IC02.D
Level 3	IC 140-47156/11	SB22IC03.D
Level 4	IC 140-47156/12	SB22IC04.D
Level 5	IC 140-47156/13	SB22IC05.D
Level 6	IC 140-47156/14	SB22IC06.D
Level 7	ICIS 140-47156/15	SB22IC07.D
Level 8	IC 140-47156/7	SB22IC08.D
Level 9	IC 140-47156/5	SB22C09.D
Level 10	IC 140-47156/3	SB22IC10.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
Chlorodifluoromethane	+++++	+++++	4.7						50			
Propene	+++++	+++++	+++++	7.3						50		
Dichlorodifluoromethane	8.8						50					
Chloromethane	+++++	+++++	16.1						50			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	3.9						50					
Vinyl chloride	18.3						50					
1,3-Butadiene	+++++	+++++	2.6						50			
Butane	+++++	8.3						50				
Bromomethane	+++++	+++++	18.9						50			
Chloroethane	+++++	+++++	16.6						50			
Ethanol	+++++	+++++	+++++	-2.9						50		
Vinyl bromide	9.6						50					
2-Methylbutane	+++++	+++++	8.8						50			
Trichlorofluoromethane	+++++	2.3						50				

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
Acrolein	+++++	+++++	+++++	2.1						50		
Acetonitrile	+++++	+++++	+++++	11.9						50		
Acetone	+++++	+++++	+++++	25.6						80		
Isopropyl alcohol	11.9						50					
Pentane	+++++	+++++	+++++	10.7						50		
Ethyl ether	+++++	6.4						50				
1,1-Dichloroethene	+++++	-3.3						50				
tert-Butyl alcohol	+++++	+++++	-4.7						50			
Acrylonitrile	+++++	+++++	7.3						50			
1,1,2-Trichloro-1,2,2-trifluoroethane	3.6						50					
Methylene Chloride	+++++	+++++	+++++	11.5						80		
3-Chloropropene	+++++	+++++	14.8						50			
Carbon disulfide	+++++	+++++	17.1						50			
trans-1,2-Dichloroethene	8.0						50					
2-Methylpentane	+++++	7.5						50				
Methyl tert-butyl ether	+++++	-4.0						50				
1,1-Dichloroethane	10.8						50					
Vinyl acetate	+++++	6.8						50				
2-Butanone (MEK)	+++++	+++++	14.1						50			
Hexane	+++++	1.7						50				
cis-1,2-Dichloroethene	10.9						50					

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
Ethyl acetate	+++++	5.5						50				
Chloroform	14.6						50					
Tetrahydrofuran	+++++	+++++	3.6						50			
1,1,1-Trichloroethane	11.5						50					
1,2-Dichloroethane	+++++	6.5						50				
1-Butanol	+++++	+++++	+++++	-4.5						50		
Cyclohexane	+++++	+++++	+++++	2.6						50		
Benzene	+++++	18.0						50				
Carbon tetrachloride	-4.8						50					
2,3-Dimethylpentane	+++++	+++++	1.1						50			
Thiophene	6.0						50					
2,2,4-Trimethylpentane	7.2						50					
Heptane	+++++	-3.5						50				
1,2-Dichloropropane	+++++	5.5						50				
Trichloroethene	18.6						50					
Dibromomethane	+++++	+++++	4.4						50			
Bromodichloromethane	5.1						50					
1,4-Dioxane	+++++	+++++	-0.8						50			
Methyl methacrylate	+++++	8.9						50				
Methylcyclohexane	2.1						50					
4-Methyl-2-pentanone (MIBK)	+++++	8.3						50				

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
cis-1,3-Dichloropropene	3.3						50					
trans-1,3-Dichloropropene	5.2						50					
Toluene	+++++	+++++	8.1						50			
1,1,2-Trichloroethane	17.0						50					
2-Hexanone	+++++	-7.5						50				
Octane	-5.8						50					
Dibromochloromethane	-2.0						50					
1,2-Dibromoethane (EDB)	+++++	1.9						50				
Tetrachloroethene	21.3						50					
Chlorobenzene	+++++	+++++	9.3						50			
Ethylbenzene	+++++	11.4						50				
m-Xylene & p-Xylene	+++++	13.3						50				
Nonane	+++++	0.4						50				
Bromoform	+++++	+++++	-30.2						50			
Styrene	6.5						50					
o-Xylene	+++++	13.9						50				
1,1,2,2-Tetrachloroethane	+++++	2.3						50				
1,2,3-Trichloropropane	-6.1						50					
Isopropylbenzene	+++++	13.9						50				
Propylbenzene	4.1						50					
2-Chlorotoluene	+++++	14.5						50				

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
4-Ethyltoluene	+++++	10.3						50				
1,3,5-Trimethylbenzene	+++++	6.8						50				
Alpha Methyl Styrene	-5.9						50					
Decane	6.9						50					
tert-Butylbenzene	+++++	12.0						50				
1,2,4-Trimethylbenzene	+++++	11.8						50				
sec-Butylbenzene	+++++	9.7						50				
1,3-Dichlorobenzene	+++++	+++++	9.0						50			
Benzyl chloride	2.8						50					
1,4-Dichlorobenzene	+++++	+++++	9.4						50			
4-Isopropyltoluene	+++++	5.9						50				
1,2,3-Trimethylbenzene	+++++	+++++	-23.7						50			
Indane	+++++	4.1						50				
1,2-Dichlorobenzene	+++++	+++++	12.1						50			
Butylbenzene	+++++	15.0						50				
Indene	+++++	2.4						50				
Undecane	2.2						50					
1,2-Dibromo-3-Chloropropane	+++++	+++++	-25.5						50			
1,2,4,5-Tetramethylbenzene	+++++	12.7						50				
Dodecane	-4.7						50					
1,2,4-Trichlorobenzene	+++++	+++++	0.8						50			

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1 Analy Batch No.: 47156

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2021 12:57 Calibration End Date: 02/22/2021 22:12 Calibration ID: 2910

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
Naphthalene	+++++	29.8						80				
Hexachlorobutadiene	+++++	21.4						50				
1,2,3-Trichlorobenzene	+++++	32.2						50				
2-Methylnaphthalene	+++++	+++++	2.6						80			
1-Methylnaphthalene	+++++	+++++	24.5						80			

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC10.D
Lims ID: IC L10
Client ID:
Sample Type: IC Calib Level: 10
Inject. Date: 22-Feb-2021 12:57:30 ALS Bottle#: 4 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018286-003
Misc. Info.: 355831
Operator ID: HMT Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 23-Feb-2021 08:34:26 Calib Date: 22-Feb-2021 22:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: tajh Date: 22-Feb-2021 13:46:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.255	9.247	0.008	98	199228	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.434	11.426	0.008	95	985275	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.098	16.095	0.003	89	871503	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.744	17.739	0.005	85	711470	4.64	4.69	
6 Chlorodifluoromethane	51	3.800	3.801	-0.001	96	1651546	16.0	15.1	
7 Propene	41	3.811	3.814	-0.003	99	831121	16.0	15.2	
8 Dichlorodifluoromethane	85	3.870	3.869	0.001	100	2438035	16.0	15.2	
9 Chloromethane	52	4.069	4.067	0.002	98	218295	16.0	12.9	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.075	4.073	0.001	92	1273472	16.0	14.6	
11 Acetaldehyde	44	4.231	4.234	-0.003	98	1389761	80.0	65.7	
12 Vinyl chloride	62	4.252	4.254	-0.002	99	710958	16.0	14.6	
13 Butadiene	54	4.349	4.348	0.001	69	572326	16.0	14.9	
14 Butane	43	4.349	4.348	0.001	85	1039121	16.0	14.5	
15 Bromomethane	94	4.699	4.698	0.001	99	656366	16.0	14.8	
16 Chloroethane	64	4.855	4.851	0.004	94	282963	16.0	14.8	
17 Ethanol	31	4.951	4.945	0.006	94	1475107	80.0	76.3	
18 Vinyl bromide	106	5.183	5.181	0.002	99	895919	16.0	15.1	
19 2-Methylbutane	43	5.231	5.231	0.000	94	1239909	16.0	14.9	
20 Trichlorofluoromethane	101	5.473	5.470	0.003	99	2292627	16.0	15.0	
21 Acrolein	56	5.479	5.480	-0.001	93	319237	16.0	15.1	
22 Acetonitrile	40	5.554	5.551	0.003	99	469211	16.0	15.0	
23 Acetone	58	5.592	5.601	-0.009	98	1386230	48.0	37.8	
24 Isopropyl alcohol	45	5.683	5.685	-0.002	97	4050559	48.0	44.6	
25 Pentane	72	5.710	5.706	0.004	95	104778	16.0	14.3	
26 Ethyl ether	31	5.871	5.886	-0.015	95	1275876	16.0	15.4	
27 1,1-Dichloroethene	96	6.232	6.227	0.005	95	945434	16.0	15.5	
29 2-Methyl-2-propanol	59	6.312	6.325	-0.013	96	1608022	16.0	15.8	
28 Acrylonitrile	53	6.339	6.335	0.004	95	797532	16.0	15.5	
30 112TCTFE	101	6.415	6.411	0.004	94	1866893	16.0	14.5	
31 Methylene Chloride	84	6.603	6.595	0.008	99	857716	16.0	14.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.614	6.612	0.002	93	878870	16.0	14.7	
33 Carbon disulfide	76	6.775	6.771	0.004	98	2935341	16.0	14.8	
34 trans-1,2-Dichloroethene	96	7.453	7.444	0.009	95	908836	16.0	14.8	
35 2-Methylpentane	43	7.464	7.461	0.003	96	2373384	16.0	14.5	
36 Methyl tert-butyl ether	73	7.555	7.573	-0.018	97	2379132	16.0	15.4	
37 1,1-Dichloroethane	63	7.894	7.886	0.008	99	1952520	16.0	15.3	
38 Vinyl acetate	43	7.985	7.985	0.000	100	2758428	16.0	17.2	
39 2-Butanone (MEK)	72	8.443	8.451	-0.008	98	480651	16.0	14.5	
40 Hexane	56	8.480	8.478	0.002	92	783248	16.0	14.8	
41 Isopropyl ether	45	8.626	8.636	-0.010	98	3648835	16.0	15.3	
42 cis-1,2-Dichloroethene	96	8.911	8.905	0.006	98	1000926	16.0	14.9	
43 Ethyl acetate	43	9.072	9.079	-0.007	99	2528897	16.0	15.8	
44 Chloroform	83	9.266	9.257	0.009	96	2071576	16.0	14.8	
45 Tert-butyl ethyl ether	59	9.325	9.336	-0.011	97	3090085	16.0	15.5	
46 Tetrahydrofuran	42	9.642	9.663	-0.021	95	1261248	16.0	15.6	
47 1,1,1-Trichloroethane	97	10.315	10.308	0.007	97	1997348	16.0	15.4	
48 1,2-Dichloroethane	62	10.422	10.417	0.005	97	1416142	16.0	15.7	
49 n-Butanol	31	10.810	10.827	-0.017	90	519636	16.0	16.9	
50 Cyclohexane	69	10.901	10.899	0.002	92	441607	16.0	14.1	
51 Benzene	78	10.907	10.899	0.008	97	2791607	16.0	13.7	
52 Carbon tetrachloride	117	10.928	10.920	0.008	98	1829852	16.0	16.8	
53 2,3-Dimethylpentane	71	11.009	11.007	0.002	94	633991	16.0	14.9	
54 Thiophene	84	11.176	11.169	0.007	97	1745848	16.0	15.5	
55 Isooctane	57	11.644	11.639	0.005	98	5196926	16.0	15.1	
56 n-Heptane	71	12.009	12.003	0.006	93	985480	16.0	15.3	
57 1,2-Dichloropropane	63	12.106	12.100	0.006	95	1287357	16.0	14.9	
58 Trichloroethene	130	12.138	12.132	0.006	95	1119481	16.0	14.3	
59 Dibromomethane	93	12.225	12.220	0.005	93	1186711	16.0	15.0	
61 1,4-Dioxane	88	12.348	12.365	-0.017	93	446584	16.0	14.9	
60 Dichlorobromomethane	83	12.364	12.359	0.005	99	2102761	16.0	15.9	
62 Methyl methacrylate	41	12.434	12.433	0.001	92	1525050	16.0	16.2	
63 Methylcyclohexane	83	12.892	12.888	0.004	95	1825890	16.0	15.3	
64 4-Methyl-2-pentanone (MIBK)	43	13.268	13.273	-0.005	97	2711345	16.0	15.6	
65 cis-1,3-Dichloropropene	75	13.344	13.341	0.003	95	1789972	16.0	16.5	
66 trans-1,3-Dichloropropene	75	14.027	14.023	0.004	98	1663501	16.0	17.1	
67 Toluene	91	14.156	14.151	0.005	93	3671163	16.0	14.6	
68 1,1,2-Trichloroethane	83	14.226	14.222	0.004	95	1156326	16.0	14.4	
69 2-Hexanone	58	14.581	14.584	-0.003	92	1349617	16.0	16.4	
70 n-Octane	85	14.812	14.811	0.001	95	962034	16.0	14.9	
71 Chlorodibromomethane	129	14.925	14.920	0.005	98	2055677	16.0	17.0	
72 Ethylene Dibromide	107	15.216	15.211	0.005	98	1975620	16.0	15.5	
73 Tetrachloroethene	129	15.280	15.278	0.002	94	1153663	16.0	13.4	
74 2,3-Dimethylheptane	43	16.146	16.142	0.004	96	3164356	16.0	12.5	
75 Chlorobenzene	112	16.146	16.144	0.002	86	2359993	16.0	13.5	
76 Ethylbenzene	91	16.426	16.422	0.004	98	4598061	16.0	14.5	
77 m-Xylene & p-Xylene	91	16.587	16.582	0.005	98	6704546	32.0	27.0	
78 n-Nonane	57	16.985	16.985	0.000	94	2526319	16.0	14.6	
79 Bromoform	173	17.050	17.046	0.004	96	1825017	16.0	17.4	
80 Styrene	104	17.055	17.051	0.004	99	2382778	16.0	14.2	
81 o-Xylene	91	17.115	17.113	0.002	98	3729319	16.0	14.1	
82 1,1,2,2-Tetrachloroethane	83	17.443	17.440	0.003	98	2972582	16.0	15.0	
83 1,2,3-Trichloropropane	110	17.604	17.602	0.002	98	608893	16.0	15.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.706	17.704	0.002	96	4782526	16.0	14.2	
85 N-Propylbenzene	120	18.239	18.236	0.003	99	1325659	16.0	14.8	
86 2-Chlorotoluene	126	18.287	18.286	0.001	97	1211563	16.0	14.5	
87 4-Ethyltoluene	105	18.384	18.381	0.003	99	4949577	16.0	14.4	
88 1,3,5-Trimethylbenzene	120	18.454	18.453	0.001	92	1872507	16.0	14.2	
89 Alpha Methyl Styrene	118	18.685	18.681	0.004	88	2177762	16.0	16.6	
90 n-Decane	57	18.728	18.724	0.004	87	3015503	16.0	13.1	
91 tert-Butylbenzene	119	18.879	18.874	0.005	91	3779670	16.0	13.0	
92 1,2,4-Trimethylbenzene	105	18.890	18.888	0.002	96	3793891	16.0	12.9	
93 sec-Butylbenzene	105	19.143	19.139	0.004	99	5655298	16.0	13.3	
94 1,3-Dichlorobenzene	146	19.164	19.162	0.002	100	2421640	16.0	13.9	
95 Benzyl chloride	91	19.234	19.234	0.000	98	3485507	16.0	17.5	
96 1,4-Dichlorobenzene	146	19.250	19.246	0.004	94	2401216	16.0	14.0	
97 4-Isopropyltoluene	119	19.304	19.299	0.005	97	4584638	16.0	13.7	
98 1,2,3-Trimethylbenzene	105	19.358	19.356	0.002	99	4217036	16.0	15.2	
99 Butylcyclohexane	83	19.406	19.403	0.003	95	3313014	16.0	13.0	
100 2,3-Dihydroindene	117	19.605	19.602	0.003	94	3476533	16.0	12.9	
101 1,2-Dichlorobenzene	146	19.611	19.606	0.005	97	2218075	16.0	13.0	
103 Indene	116	19.734	19.731	0.003	89	3052158	16.0	13.6	
102 n-Butylbenzene	91	19.729	19.726	0.003	96	4433538	16.0	12.0	
104 Undecane	57	20.020	20.019	0.001	95	3419615	16.0	13.1	
105 1,2-Dibromo-3-Chloropropane	157	20.202	20.200	0.002	96	1315304	16.0	17.8	
106 1,2,4,5-Tetramethylbenzene	119	20.482	20.480	0.002	95	4690955	16.0	13.7	
107 Dodecane	57	21.101	21.099	0.002	96	3618597	16.0	13.5	
108 1,2,4-Trichlorobenzene	180	21.332	21.332	0.000	94	2069048	16.0	16.4	
109 Naphthalene	128	21.483	21.479	0.004	99	5280747	16.0	14.8	
110 Hexachlorobutadiene	225	21.666	21.666	0.000	96	1300100	16.0	11.4	
111 1,2,3-Trichlorobenzene	180	21.730	21.729	0.001	96	1337105	16.0	12.9	
112 2-Methylnaphthalene	142	22.279	22.279	0.000	98	920796	16.0	17.9	
113 1-Methylnaphthalene	142	22.403	22.403	0.000	98	1017775	16.0	14.4	
A 115 C8 Range	1	14.812	(14.764-14.861)		0	10014568	16.0	14.6	
S 116 Xylenes, Total	100				0		48.0	41.0	
S 117 1,2-Dichloroethene, Total	1				0		32.0	29.7	

QC Flag Legend

Processing Flags

Reagents:

40L10DQP_00023	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

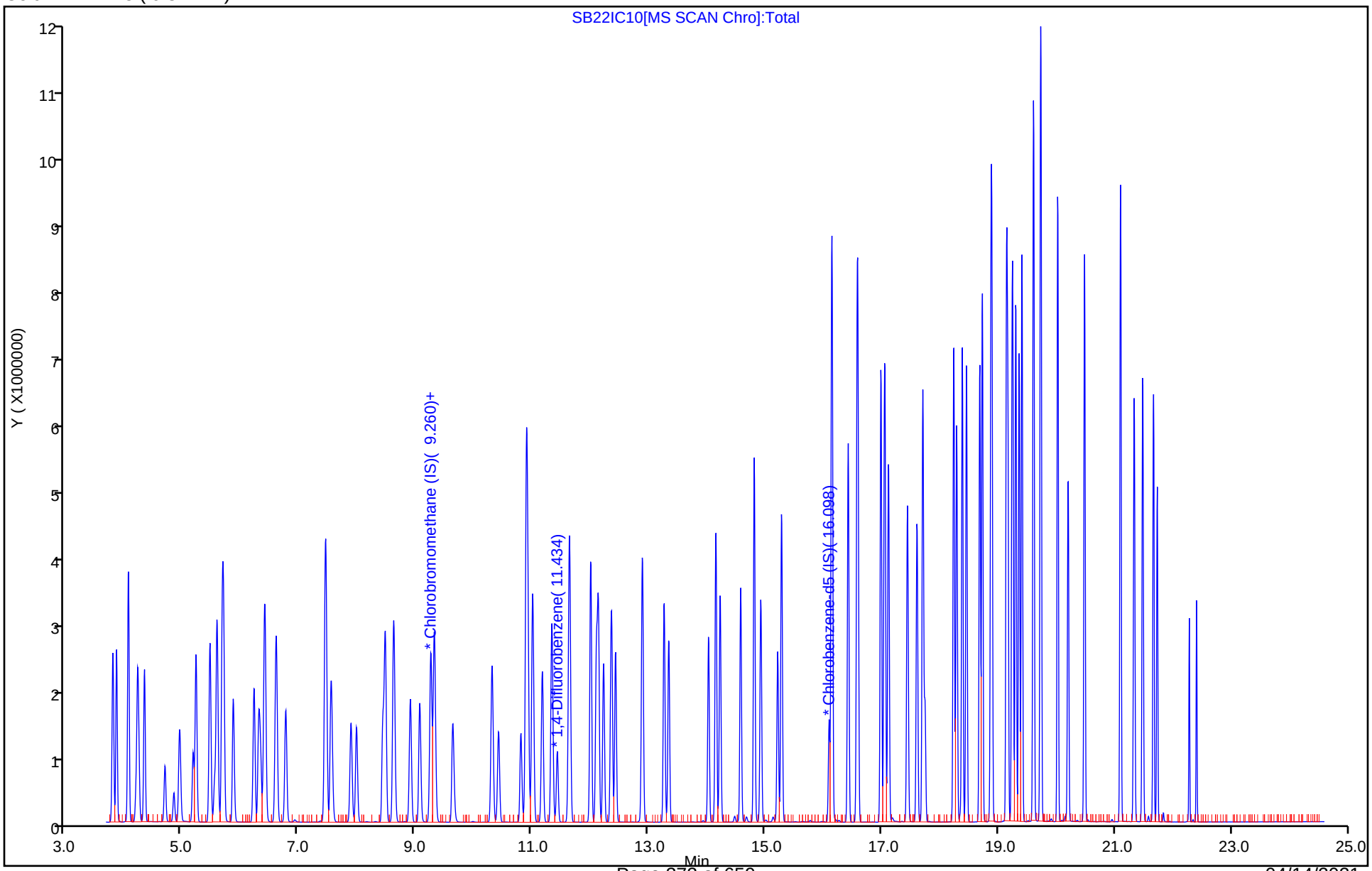
Report Date: 23-Feb-2021 08:34:26 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC10.D

Injection Date:	22-Feb-2021 12:57:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	IC L10			Worklist Smp#:	3
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

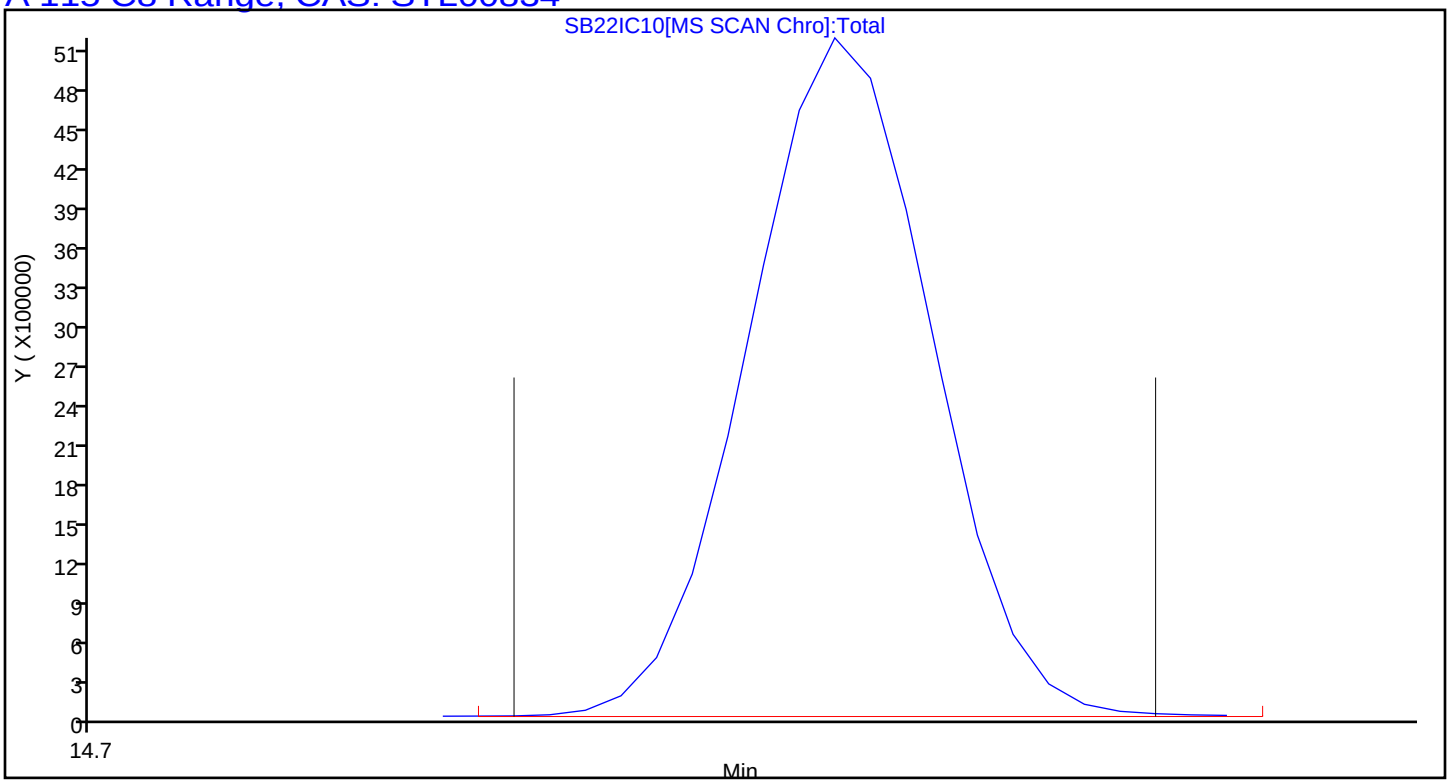


Report Date: 23-Feb-2021 08:34:26 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC10.D				
Injection Date:	22-Feb-2021 12:57:30	Instrument ID:	MS		
Lims ID:	IC L10				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	4	Worklist Smp#:	3
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22C09.D
Lims ID: IC L9
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 22-Feb-2021 14:31:30 ALS Bottle#: 6 Worklist Smp#: 5
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018286-005
Misc. Info.: 355832
Operator ID: HMT Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 23-Feb-2021 08:34:33 Calib Date: 22-Feb-2021 22:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: tajh Date: 23-Feb-2021 06:43:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.255	9.247	0.008	98	204735	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.434	11.426	0.008	95	1023390	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.098	16.095	0.003	89	885254	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.738	17.739	-0.001	86	725821	4.64	4.71	
6 Chlorodifluoromethane	51	3.800	3.801	-0.001	96	830966	8.00	7.37	
7 Propene	41	3.816	3.814	0.002	99	418894	8.00	7.45	
8 Dichlorodifluoromethane	85	3.870	3.869	0.001	100	1256456	8.00	7.62	
9 Chloromethane	52	4.069	4.067	0.002	98	117468	8.00	6.75	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.074	4.073	0.001	92	680510	8.00	7.61	
11 Acetaldehyde	44	4.236	4.234	0.002	98	742393	40.0	34.2	
12 Vinyl chloride	62	4.257	4.254	0.003	99	369340	8.00	7.39	
13 Butadiene	54	4.349	4.348	0.001	69	296017	8.00	7.50	
14 Butane	43	4.349	4.348	0.001	85	537729	8.00	7.31	
15 Bromomethane	94	4.704	4.698	0.006	99	333400	8.00	7.32	
16 Chloroethane	64	4.854	4.851	0.003	95	141185	8.00	7.20	
17 Ethanol	31	4.946	4.945	0.001	93	737117	40.0	37.1	
18 Vinyl bromide	106	5.183	5.181	0.002	99	465954	8.00	7.65	
19 2-Methylbutane	43	5.236	5.231	0.005	93	643643	8.00	7.51	
20 Trichlorofluoromethane	101	5.473	5.470	0.003	99	1220244	8.00	7.76	
21 Acrolein	56	5.478	5.480	-0.002	93	177486	8.00	8.17	
22 Acetonitrile	40	5.554	5.551	0.003	99	239626	8.00	7.45	
23 Acetone	58	5.591	5.601	-0.010	97	754151	24.0	20.0	
24 Isopropyl alcohol	45	5.677	5.685	-0.008	98	2160780	24.0	23.1	
25 Pentane	72	5.710	5.706	0.004	96	57228	8.00	7.58	
26 Ethyl ether	31	5.877	5.886	-0.010	93	648811	8.00	7.63	
27 1,1-Dichloroethene	96	6.232	6.227	0.005	95	498397	8.00	7.96	
29 2-Methyl-2-propanol	59	6.307	6.325	-0.018	96	827872	8.00	7.90	
28 Acrylonitrile	53	6.339	6.335	0.004	94	410404	8.00	7.74	
30 112TCTFE	101	6.414	6.411	0.003	94	1010348	8.00	7.64	
31 Methylene Chloride	84	6.597	6.595	0.002	99	451657	8.00	7.29	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.614	6.612	0.002	93	444833	8.00	7.23	
33 Carbon disulfide	76	6.775	6.771	0.004	98	1521073	8.00	7.45	
34 trans-1,2-Dichloroethene	96	7.447	7.444	0.003	95	482093	8.00	7.64	
35 2-Methylpentane	43	7.463	7.461	0.002	96	1265662	8.00	7.51	
36 Methyl tert-butyl ether	73	7.555	7.573	-0.018	97	1239630	8.00	7.81	
37 1,1-Dichloroethane	63	7.894	7.886	0.008	99	1006117	8.00	7.66	
38 Vinyl acetate	43	7.985	7.985	0.000	100	1353547	8.00	8.23	
39 2-Butanone (MEK)	72	8.437	8.451	-0.014	99	249924	8.00	7.34	
40 Hexane	56	8.480	8.478	0.002	92	414938	8.00	7.62	
41 Isopropyl ether	45	8.625	8.636	-0.011	98	1882660	8.00	7.70	
42 cis-1,2-Dichloroethene	96	8.911	8.905	0.006	97	523787	8.00	7.61	
43 Ethyl acetate	43	9.072	9.079	-0.007	99	1275433	8.00	7.76	
44 Chloroform	83	9.266	9.257	0.009	96	1074298	8.00	7.49	
45 Tert-butyl ethyl ether	59	9.325	9.336	-0.011	97	1603326	8.00	7.83	
46 Tetrahydrofuran	42	9.642	9.663	-0.021	95	641494	8.00	7.71	
47 1,1,1-Trichloroethane	97	10.315	10.308	0.007	97	1038186	8.00	7.79	
48 1,2-Dichloroethane	62	10.422	10.417	0.005	97	730065	8.00	7.78	
49 n-Butanol	31	10.810	10.827	-0.017	89	258305	8.00	8.09	
50 Cyclohexane	69	10.901	10.899	0.002	92	243255	8.00	7.50	
51 Benzene	78	10.901	10.899	0.002	97	1534797	8.00	7.24	
52 Carbon tetrachloride	117	10.928	10.920	0.008	97	849083	8.00	7.51	
53 2,3-Dimethylpentane	71	11.014	11.007	0.007	94	335327	8.00	7.57	
54 Thiophene	84	11.175	11.169	0.006	97	907463	8.00	7.78	
55 Isooctane	57	11.638	11.639	-0.001	98	2724752	8.00	7.62	
56 n-Heptane	71	12.004	12.003	0.001	94	516426	8.00	7.72	
57 1,2-Dichloropropane	63	12.106	12.100	0.006	95	679442	8.00	7.56	
58 Trichloroethene	130	12.138	12.132	0.006	94	595417	8.00	7.31	
59 Dibromomethane	93	12.224	12.220	0.004	92	625546	8.00	7.62	
61 1,4-Dioxane	88	12.354	12.365	-0.011	93	238682	8.00	7.66	
60 Dichlorobromomethane	83	12.364	12.359	0.005	99	1094978	8.00	7.99	
62 Methyl methacrylate	41	12.434	12.433	0.001	93	785608	8.00	8.01	
63 Methylcyclohexane	83	12.891	12.888	0.003	95	955495	8.00	7.69	
64 4-Methyl-2-pentanone (MIBK)	43	13.268	13.273	-0.005	97	1399204	8.00	7.74	
65 cis-1,3-Dichloropropene	75	13.343	13.341	0.002	95	918309	8.00	8.16	
66 trans-1,3-Dichloropropene	75	14.027	14.023	0.004	98	845341	8.00	8.56	
67 Toluene	91	14.150	14.151	-0.001	93	1918247	8.00	7.53	
68 1,1,2-Trichloroethane	83	14.226	14.222	0.004	95	607556	8.00	7.46	
69 2-Hexanone	58	14.581	14.584	-0.003	91	691283	8.00	8.25	
70 n-Octane	85	14.812	14.811	0.001	95	514871	8.00	7.85	
71 Chlorodibromomethane	129	14.925	14.920	0.005	98	1071371	8.00	8.75	
72 Ethylene Dibromide	107	15.215	15.211	0.004	98	1022293	8.00	7.90	
73 Tetrachloroethene	129	15.280	15.278	0.002	94	631088	8.00	7.21	
74 2,3-Dimethylheptane	43	16.146	16.142	0.004	95	1829679	8.00	7.11	
75 Chlorobenzene	112	16.146	16.144	0.002	93	1302862	8.00	7.36	
76 Ethylbenzene	91	16.426	16.422	0.004	98	2434530	8.00	7.54	
77 m-Xylene & p-Xylene	91	16.582	16.582	0.000	98	3695901	16.0	14.6	
78 n-Nonane	57	16.985	16.985	0.000	95	1353328	8.00	7.70	
79 Bromoform	173	17.050	17.046	0.004	95	988504	8.00	9.30	
80 Styrene	104	17.055	17.051	0.004	99	1342221	8.00	7.89	
81 o-Xylene	91	17.114	17.113	0.001	98	2006998	8.00	7.45	
82 1,1,2,2-Tetrachloroethane	83	17.443	17.440	0.003	98	1582096	8.00	7.88	
83 1,2,3-Trichloropropane	110	17.604	17.602	0.002	98	322348	8.00	8.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.706	17.704	0.002	96	2579558	8.00	7.53	
85 N-Propylbenzene	120	18.239	18.236	0.003	99	711491	8.00	7.84	
86 2-Chlorotoluene	126	18.287	18.286	0.001	97	648557	8.00	7.63	
87 4-Ethyltoluene	105	18.384	18.381	0.003	99	2687841	8.00	7.68	
88 1,3,5-Trimethylbenzene	120	18.454	18.453	0.001	92	1024230	8.00	7.66	
89 Alpha Methyl Styrene	118	18.685	18.681	0.004	88	1158769	8.00	8.71	
90 n-Decane	57	18.723	18.724	-0.001	87	1730290	8.00	7.41	
91 tert-Butylbenzene	119	18.874	18.874	0.000	90	2151370	8.00	7.28	
92 1,2,4-Trimethylbenzene	105	18.890	18.888	0.002	96	2166259	8.00	7.26	
93 sec-Butylbenzene	105	19.143	19.139	0.004	99	3193220	8.00	7.40	
94 1,3-Dichlorobenzene	146	19.164	19.162	0.002	100	1342313	8.00	7.60	
95 Benzyl chloride	91	19.234	19.234	0.000	98	1917810	8.00	9.46	
96 1,4-Dichlorobenzene	146	19.250	19.246	0.004	97	1337295	8.00	7.68	
97 4-Isopropyltoluene	119	19.299	19.299	0.000	97	2544883	8.00	7.49	
98 1,2,3-Trimethylbenzene	105	19.358	19.356	0.002	99	2311434	8.00	8.17	
99 Butylcyclohexane	83	19.406	19.403	0.003	94	1876440	8.00	7.23	
100 2,3-Dihydroindene	117	19.605	19.602	0.003	94	2038020	8.00	7.45	
101 1,2-Dichlorobenzene	146	19.605	19.606	-0.001	95	1276125	8.00	7.36	
102 n-Butylbenzene	91	19.729	19.726	0.003	95	2665577	8.00	7.08	
103 Indene	116	19.734	19.731	0.003	89	1781020	8.00	7.84	
104 Undecane	57	20.019	20.019	0.000	96	2002091	8.00	7.53	
105 1,2-Dibromo-3-Chloropropane	157	20.202	20.200	0.002	95	698383	8.00	9.28	
106 1,2,4,5-Tetramethylbenzene	119	20.482	20.480	0.002	96	2592111	8.00	7.47	
107 Dodecane	57	21.101	21.099	0.002	95	2136403	8.00	7.83	
108 1,2,4-Trichlorobenzene	180	21.332	21.332	0.000	94	1085323	8.00	8.44	
109 Naphthalene	128	21.483	21.479	0.004	99	2791122	8.00	7.71	
110 Hexachlorobutadiene	225	21.666	21.666	0.000	96	788986	8.00	6.79	
111 1,2,3-Trichlorobenzene	180	21.730	21.729	0.001	96	755779	8.00	7.20	
112 2-Methylnaphthalene	142	22.279	22.279	0.000	98	485390	8.00	9.31	
113 1-Methylnaphthalene	142	22.403	22.403	0.000	98	556204	8.00	7.77	
A 115 C8 Range	1	14.812	(14.764-14.860)		0	5331045	8.00	7.48	
S 116 Xylenes, Total	100				0		24.0	22.1	
S 117 1,2-Dichloroethene, Total	1				0		16.0	15.2	

QC Flag Legend

Processing Flags

Reagents:

40L9DQP_00023	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

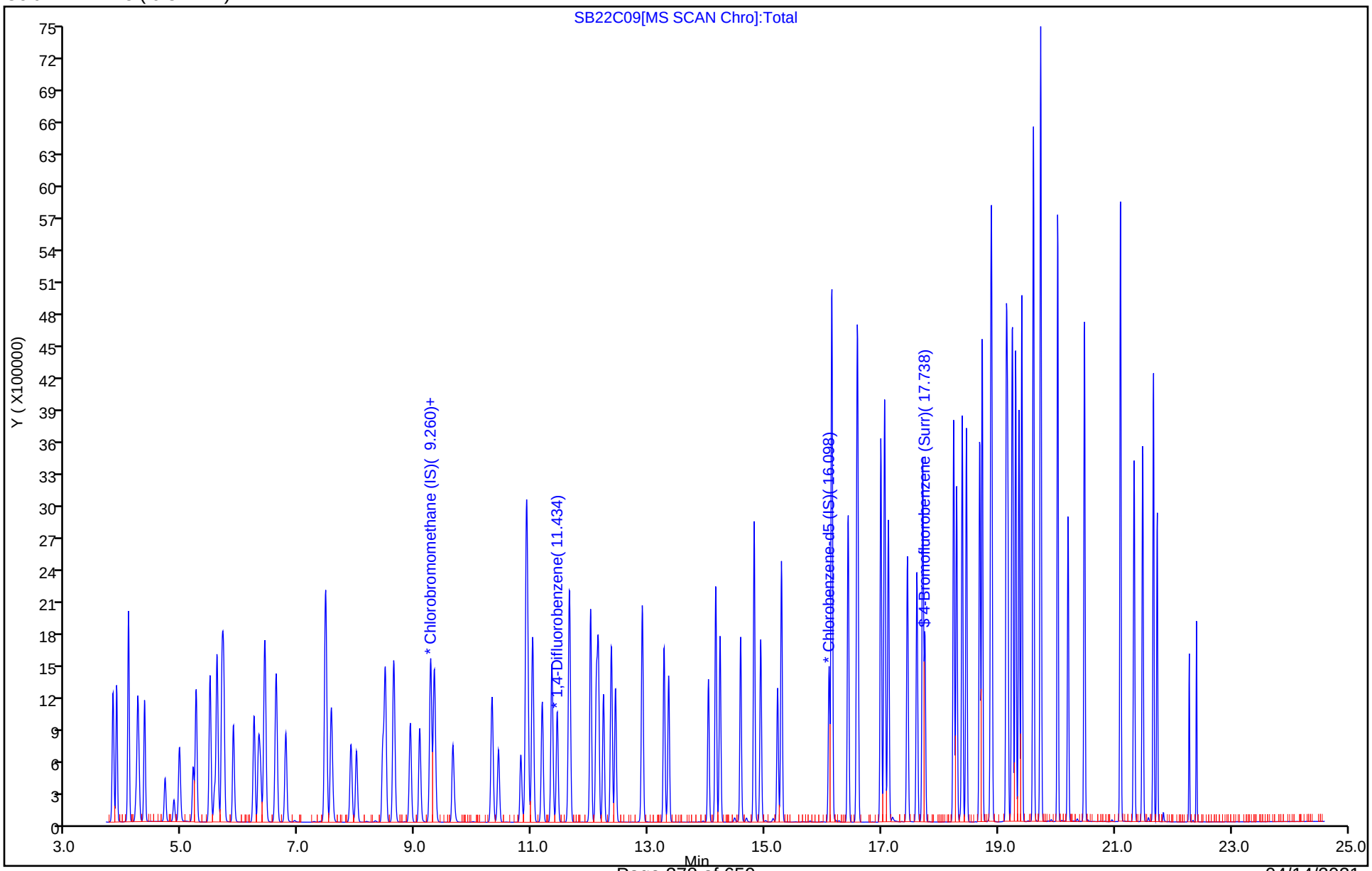
Report Date: 23-Feb-2021 08:34:34 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22C09.D

Injection Date:	22-Feb-2021 14:31:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	IC L9			Worklist Smp#:	5
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

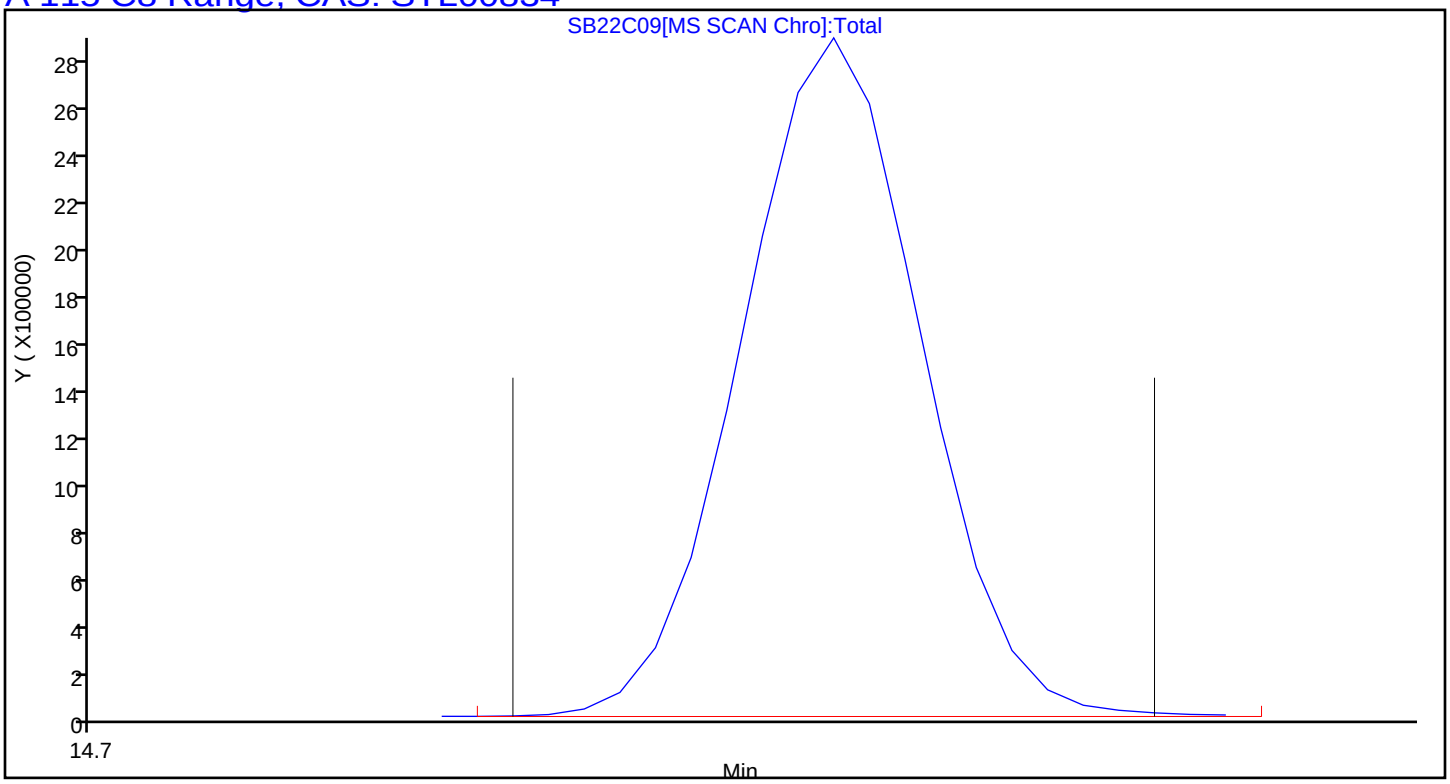


Report Date: 23-Feb-2021 08:34:34 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22C09.D				
Injection Date:	22-Feb-2021 14:31:30	Instrument ID:	MS		
Lims ID:	IC L9				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	6	Worklist Smp#:	5
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC08.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 22-Feb-2021 16:03:30 ALS Bottle#: 8 Worklist Smp#: 7
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018286-007
Misc. Info.: 355833
Operator ID: HMT Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 23-Feb-2021 08:34:40 Calib Date: 22-Feb-2021 22:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: barlozhetskayaa Date: 22-Feb-2021 17:00:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.249	9.247	0.002	98	204695	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.428	11.426	0.002	95	1014729	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.098	16.095	0.003	89	879848	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.738	17.739	-0.001	85	719534	4.64	4.70	
6 Chlorodifluoromethane	51	3.800	3.801	-0.001	96	427000	4.00	3.79	
7 Propene	41	3.811	3.814	-0.003	99	214870	4.00	3.82	
8 Dichlorodifluoromethane	85	3.865	3.869	-0.004	100	639060	4.00	3.87	
9 Chloromethane	52	4.064	4.067	-0.003	98	60650	4.00	3.49	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.069	4.073	-0.004	95	348743	4.00	3.90	
11 Acetaldehyde	44	4.230	4.234	-0.004	97	376559	20.0	17.3	
12 Vinyl chloride	62	4.252	4.254	-0.002	99	186210	4.00	3.73	
13 Butadiene	54	4.343	4.348	-0.005	68	149844	4.00	3.80	
14 Butane	43	4.343	4.348	-0.005	85	273395	4.00	3.72	
15 Bromomethane	94	4.698	4.698	0.000	99	167482	4.00	3.68	
16 Chloroethane	64	4.849	4.851	-0.002	93	71203	4.00	3.63	
17 Ethanol	31	4.940	4.945	-0.005	93	372818	20.0	18.7	
18 Vinyl bromide	106	5.177	5.181	-0.004	99	236098	4.00	3.88	
19 2-Methylbutane	43	5.231	5.231	0.000	93	333172	4.00	3.89	
20 Trichlorofluoromethane	101	5.468	5.470	-0.002	99	624469	4.00	3.97	
21 Acrolein	56	5.473	5.480	-0.007	91	86439	4.00	3.98	
22 Acetonitrile	40	5.548	5.551	-0.003	98	122508	4.00	3.81	
23 Acetone	58	5.591	5.601	-0.010	97	389612	12.0	10.3	
24 Isopropyl alcohol	45	5.672	5.685	-0.013	93	1128807	12.0	12.1	
25 Pentane	72	5.704	5.706	-0.002	96	29599	4.00	3.92	
26 Ethyl ether	31	5.871	5.886	-0.015	93	333879	4.00	3.93	
27 1,1-Dichloroethene	96	6.226	6.227	-0.001	95	254625	4.00	4.07	
29 2-Methyl-2-propanol	59	6.301	6.325	-0.024	95	426495	4.00	4.07	
28 Acrylonitrile	53	6.334	6.335	-0.001	94	209012	4.00	3.94	
30 112TCTFE	101	6.409	6.411	-0.002	96	523257	4.00	3.96	
31 Methylene Chloride	84	6.592	6.595	-0.003	98	235097	4.00	3.80	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.608	6.612	-0.004	94	232886	4.00	3.79	
33 Carbon disulfide	76	6.769	6.771	-0.002	98	782938	4.00	3.83	
34 trans-1,2-Dichloroethene	96	7.442	7.444	-0.002	95	251863	4.00	3.99	
35 2-Methylpentane	43	7.458	7.461	-0.003	96	654060	4.00	3.88	
36 Methyl tert-butyl ether	73	7.555	7.573	-0.018	97	637033	4.00	4.01	
37 1,1-Dichloroethane	63	7.883	7.886	-0.003	99	513128	4.00	3.91	
38 Vinyl acetate	43	7.980	7.985	-0.005	100	659646	4.00	4.01	
39 2-Butanone (MEK)	72	8.437	8.451	-0.014	98	126531	4.00	3.71	
40 Hexane	56	8.475	8.478	-0.003	94	214041	4.00	3.93	
41 Isopropyl ether	45	8.620	8.636	-0.016	98	965928	4.00	3.95	
42 cis-1,2-Dichloroethene	96	8.905	8.905	0.000	97	267969	4.00	3.89	
43 Ethyl acetate	43	9.067	9.079	-0.012	99	648975	4.00	3.95	
44 Chloroform	83	9.255	9.257	-0.002	95	554429	4.00	3.86	
45 Tert-butyl ethyl ether	59	9.319	9.336	-0.017	97	817363	4.00	3.99	
46 Tetrahydrofuran	42	9.637	9.663	-0.026	95	326639	4.00	3.92	
47 1,1,1-Trichloroethane	97	10.309	10.308	0.001	96	529194	4.00	3.97	
48 1,2-Dichloroethane	62	10.417	10.417	0.000	97	372047	4.00	4.00	
49 n-Butanol	31	10.804	10.827	-0.023	89	129544	4.00	4.09	
50 Cyclohexane	69	10.896	10.899	-0.003	83	129508	4.00	4.03	
51 Benzene	78	10.901	10.899	0.002	96	804270	4.00	3.83	
52 Carbon tetrachloride	117	10.923	10.920	0.003	97	509274	4.00	4.55	
53 2,3-Dimethylpentane	71	11.009	11.007	0.002	94	176523	4.00	4.02	
54 Thiophene	84	11.170	11.169	0.001	97	465395	4.00	4.02	
55 Isooctane	57	11.638	11.639	-0.001	98	1398667	4.00	3.94	
56 n-Heptane	71	12.004	12.003	0.001	94	266531	4.00	4.02	
57 1,2-Dichloropropane	63	12.101	12.100	0.001	95	354637	4.00	3.98	
58 Trichloroethene	130	12.133	12.132	0.001	94	315926	4.00	3.91	
59 Dibromomethane	93	12.219	12.220	-0.001	93	325143	4.00	3.99	
61 1,4-Dioxane	88	12.348	12.365	-0.017	93	126214	4.00	4.09	
60 Dichlorobromomethane	83	12.359	12.359	0.000	99	566471	4.00	4.17	
62 Methyl methacrylate	41	12.429	12.433	-0.004	93	397291	4.00	4.09	
63 Methylcyclohexane	83	12.886	12.888	-0.002	95	495691	4.00	4.03	
64 4-Methyl-2-pentanone (MIBK)	43	13.263	13.273	-0.010	97	718559	4.00	4.01	
65 cis-1,3-Dichloropropene	75	13.343	13.341	0.002	95	468498	4.00	4.20	
66 trans-1,3-Dichloropropene	75	14.021	14.023	-0.002	98	428040	4.00	4.36	
67 Toluene	91	14.150	14.151	-0.001	93	990596	4.00	3.91	
68 1,1,2-Trichloroethane	83	14.226	14.222	0.004	95	315821	4.00	3.90	
69 2-Hexanone	58	14.581	14.584	-0.003	91	355295	4.00	4.26	
70 n-Octane	85	14.812	14.811	0.001	96	264193	4.00	4.05	
71 Chlorodibromomethane	129	14.920	14.920	0.000	98	547416	4.00	4.50	
72 Ethylene Dibromide	107	15.210	15.211	-0.001	98	525278	4.00	4.08	
73 Tetrachloroethene	129	15.280	15.278	0.002	93	327814	4.00	3.77	
74 2,3-Dimethylheptane	43	16.141	16.142	-0.001	95	1000548	4.00	3.91	
75 Chlorobenzene	112	16.146	16.144	0.002	82	690889	4.00	3.92	
76 Ethylbenzene	91	16.420	16.422	-0.002	99	1257262	4.00	3.92	
77 m-Xylene & p-Xylene	91	16.582	16.582	0.000	98	1971142	8.00	7.85	
78 n-Nonane	57	16.985	16.985	0.000	95	712196	4.00	4.08	
79 Bromoform	173	17.044	17.046	-0.002	94	515901	4.00	4.88	
80 Styrene	104	17.050	17.051	-0.001	100	718724	4.00	4.25	
81 o-Xylene	91	17.114	17.113	0.001	98	1055090	4.00	3.94	
82 1,1,2,2-Tetrachloroethane	83	17.437	17.440	-0.003	98	824730	4.00	4.13	
83 1,2,3-Trichloropropane	110	17.604	17.602	0.002	98	167732	4.00	4.20	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.706	17.704	0.002	96	1346921	4.00	3.96	
85 N-Propylbenzene	120	18.233	18.236	-0.003	98	372065	4.00	4.13	
86 2-Chlorotoluene	126	18.287	18.286	0.001	97	336667	4.00	3.99	
87 4-Ethyltoluene	105	18.384	18.381	0.003	99	1415323	4.00	4.07	
88 1,3,5-Trimethylbenzene	120	18.454	18.453	0.001	91	532326	4.00	4.01	
89 Alpha Methyl Styrene	118	18.680	18.681	-0.001	88	594454	4.00	4.50	
90 n-Decane	57	18.723	18.724	-0.001	87	927348	4.00	4.00	
91 tert-Butylbenzene	119	18.874	18.874	0.000	89	1163870	4.00	3.96	
92 1,2,4-Trimethylbenzene	105	18.890	18.888	0.002	97	1184386	4.00	4.00	
93 sec-Butylbenzene	105	19.143	19.139	0.004	98	1708626	4.00	3.99	
94 1,3-Dichlorobenzene	146	19.164	19.162	0.002	100	715278	4.00	4.07	
95 Benzyl chloride	91	19.234	19.234	0.000	97	965176	4.00	4.79	
96 1,4-Dichlorobenzene	146	19.250	19.246	0.004	93	707608	4.00	4.09	
97 4-Isopropyltoluene	119	19.299	19.299	0.000	97	1362753	4.00	4.03	
98 1,2,3-Trimethylbenzene	105	19.358	19.356	0.002	99	1226948	4.00	4.35	
99 Butylcyclohexane	83	19.406	19.403	0.003	93	1009824	4.00	3.92	
100 2,3-Dihydroindene	117	19.605	19.602	0.003	93	1114814	4.00	4.10	
101 1,2-Dichlorobenzene	146	19.605	19.606	-0.001	78	695034	4.00	4.03	
102 n-Butylbenzene	91	19.729	19.726	0.003	95	1487901	4.00	3.98	
103 Indene	116	19.734	19.731	0.003	91	963358	4.00	4.27	
104 Undecane	57	20.019	20.019	0.000	96	1079456	4.00	4.08	
105 1,2-Dibromo-3-Chloropropane	157	20.202	20.200	0.002	93	350288	4.00	4.68	
106 1,2,4,5-Tetramethylbenzene	119	20.482	20.480	0.002	95	1372881	4.00	3.98	
107 Dodecane	57	21.101	21.099	0.002	95	1154354	4.00	4.26	
108 1,2,4-Trichlorobenzene	180	21.332	21.332	0.000	94	562016	4.00	4.40	
109 Naphthalene	128	21.483	21.479	0.004	99	1427516	4.00	3.97	
110 Hexachlorobutadiene	225	21.666	21.666	0.000	96	434459	4.00	3.76	
111 1,2,3-Trichlorobenzene	180	21.730	21.729	0.001	96	402338	4.00	3.86	
112 2-Methylnaphthalene	142	22.279	22.279	0.000	98	246565	4.00	4.76	
113 1-Methylnaphthalene	142	22.403	22.403	0.000	99	303091	4.00	4.26	
A 115 C8 Range	1	14.812	(14.764-14.860)		0	2774044	4.00	3.92	
S 116 Xylenes, Total	100				0		12.0	11.8	
S 117 1,2-Dichloroethene, Total	1				0		8.00	7.88	

QC Flag Legend

Processing Flags

Reagents:

40L8DQP_00022	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

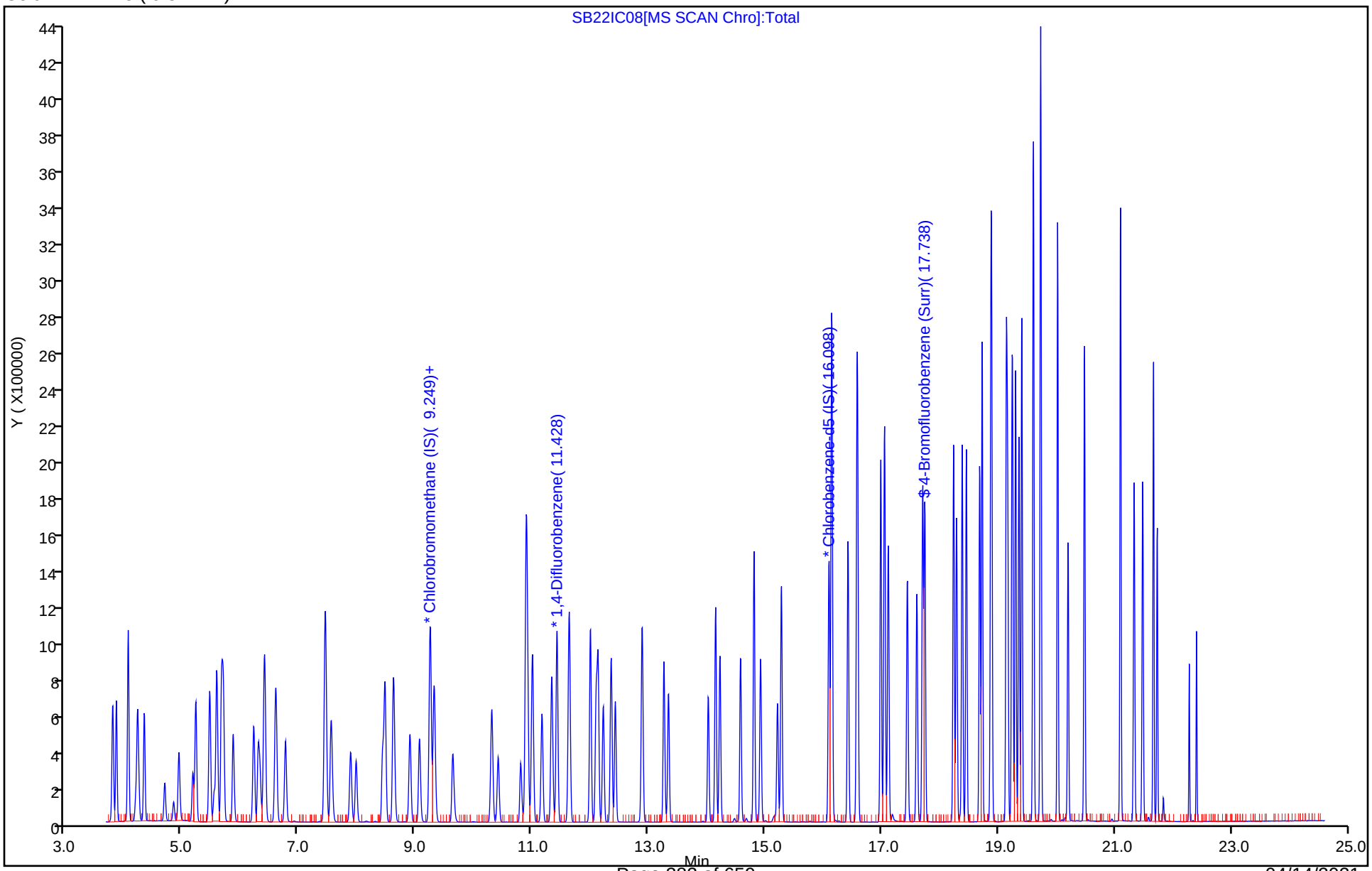
Report Date: 23-Feb-2021 08:34:41 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC08.D

Injection Date:	22-Feb-2021 16:03:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	IC L8			Worklist Smp#:	7
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

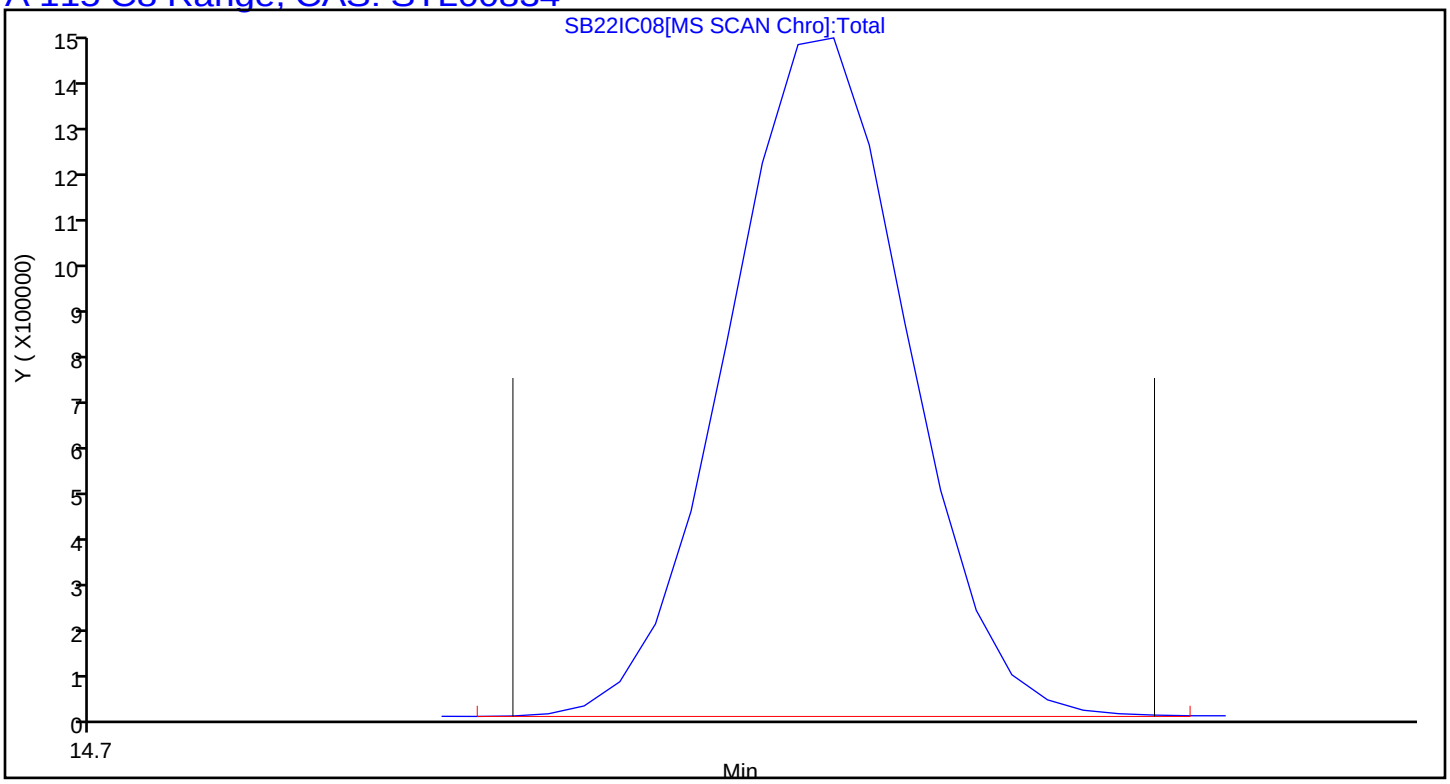


Report Date: 23-Feb-2021 08:34:41 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC08.D				
Injection Date:	22-Feb-2021 16:03:30	Instrument ID:	MS		
Lims ID:	IC L8				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	7
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC01.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-Feb-2021 17:35:30 ALS Bottle#: 10 Worklist Smp#: 9
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018286-009
Misc. Info.: 355967
Operator ID: HMT Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 23-Feb-2021 08:34:47 Calib Date: 22-Feb-2021 22:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: tajh Date: 23-Feb-2021 08:19:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.244	9.247	-0.003	98	203138	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.423	11.426	-0.003	95	1036476	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.098	16.095	0.003	89	886633	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.739	17.739	0.000	89	711226	4.64	4.61	
7 Propene	41	3.822	3.814	0.008	85	1890	0.0200	0.0339	
8 Dichlorodifluoromethane	85	3.870	3.869	0.001	99	3563	0.0200	0.0218	
9 Chloromethane	52	4.064	4.067	-0.003	62	463	0.0200	0.0268	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.074	4.073	0.001	92	1845	0.0200	0.0208	
11 Acetaldehyde	44	4.230	4.234	-0.004	97	6430	0.1000	0.2983	
12 Vinyl chloride	62	4.257	4.254	0.003	95	1173	0.0200	0.0237	
13 Butadiene	54	4.354	4.348	0.006	62	938	0.0200	0.0240	
14 Butane	43	4.349	4.348	0.001	74	2006	0.0200	0.0275	
15 Bromomethane	94	4.693	4.698	-0.005	92	1386	0.0200	0.0307	
16 Chloroethane	64	4.860	4.851	0.009	28	677	0.0200	0.0348	
17 Ethanol	31	4.951	4.945	0.006	92	3763	0.1000	0.0796	
18 Vinyl bromide	106	5.183	5.181	0.002	97	1325	0.0200	0.0219	
19 2-Methylbutane	43	5.226	5.231	-0.005	87	2804	0.0200	0.0330	
20 Trichlorofluoromethane	101	5.468	5.470	-0.002	94	3602	0.0200	0.0231	
21 Acrolein	56	5.484	5.480	0.004	27	685	0.0200	0.0318	
22 Acetonitrile	40	5.554	5.551	0.003	61	1218	0.0200	0.0382	
23 Acetone	58	5.624	5.601	0.023	97	5308	0.0600	0.1418	
24 Isopropyl alcohol	45	5.704	5.685	0.019	78	6217	0.0600	0.0671	
26 Ethyl ether	31	5.903	5.886	0.017	85	1741	0.0200	0.0206	
27 1,1-Dichloroethene	96	6.226	6.227	-0.001	90	1347	0.0200	0.0217	
29 2-Methyl-2-propanol	59	6.355	6.325	0.030	58	2190	0.0200	0.0211	
28 Acrylonitrile	53	6.339	6.335	0.004	90	1713	0.0200	0.0326	
30 112TCTFE	101	6.415	6.411	0.003	90	2718	0.0200	0.0207	
31 Methylene Chloride	84	6.592	6.595	-0.003	92	2973	0.0200	0.0484	
32 3-Chloro-1-propene	39	6.614	6.612	0.002	69	1936	0.0200	0.0317	
33 Carbon disulfide	76	6.770	6.771	-0.001	98	8349	0.0200	0.0412	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 trans-1,2-Dichloroethene	96	7.431	7.444	-0.013	85	1353	0.0200	0.0216	
35 2-Methylpentane	43	7.458	7.461	-0.003	96	3881	0.0200	0.0232	
36 Methyl tert-butyl ether	73	7.603	7.573	0.030	91	3549	0.0200	0.0225	
37 1,1-Dichloroethane	63	7.889	7.886	0.002	94	2890	0.0200	0.0222	
38 Vinyl acetate	43	7.991	7.985	0.006	98	3653	0.0200	0.0224	
39 2-Butanone (MEK)	72	8.475	8.451	0.024	88	781	0.0200	0.0231	
40 Hexane	56	8.475	8.478	-0.003	65	1368	0.0200	0.0253	
41 Isopropyl ether	45	8.663	8.636	0.027	98	5065	0.0200	0.0209	
42 cis-1,2-Dichloroethene	96	8.900	8.905	-0.005	94	1514	0.0200	0.0222	
43 Ethyl acetate	43	9.099	9.079	0.020	96	3914	0.0200	0.0240	
44 Chloroform	83	9.255	9.257	-0.002	34	3264	0.0200	0.0229	
45 Tert-butyl ethyl ether	59	9.363	9.336	0.026	95	4251	0.0200	0.0209	
46 Tetrahydrofuran	42	9.701	9.663	0.038	90	2265	0.0200	0.0274	
47 1,1,1-Trichloroethane	97	10.309	10.308	0.001	92	2947	0.0200	0.0223	
48 1,2-Dichloroethane	62	10.417	10.417	0.000	94	2372	0.0200	0.0249	
49 n-Butanol	31	10.842	10.827	0.015	6	754	0.0200	0.0233	
50 Cyclohexane	69	10.906	10.899	0.007	63	572	0.0200	0.0174	
51 Benzene	78	10.896	10.899	-0.003	96	5935	0.0200	0.0277	
52 Carbon tetrachloride	117	10.917	10.920	-0.003	84	2179	0.0200	0.0190	
53 2,3-Dimethylpentane	71	11.003	11.007	-0.004	92	746	0.0200	0.0166	
54 Thiophene	84	11.165	11.169	-0.004	88	2504	0.0200	0.0212	
55 Isooctane	57	11.638	11.639	-0.001	96	7764	0.0200	0.0214	
56 n-Heptane	71	11.999	12.003	-0.005	91	1486	0.0200	0.0219	
57 1,2-Dichloropropane	63	12.101	12.100	0.001	85	2180	0.0200	0.0239	
58 Trichloroethene	130	12.128	12.132	-0.004	84	1956	0.0200	0.0237	
59 Dibromomethane	93	12.219	12.220	-0.001	89	2437	0.0200	0.0293	
61 1,4-Dioxane	88	12.386	12.365	0.021	65	647	0.0200	0.0205	
60 Dichlorobromomethane	83	12.354	12.359	-0.005	96	2917	0.0200	0.0210	
62 Methyl methacrylate	41	12.440	12.433	0.007	90	2469	0.0200	0.0249	
63 Methylcyclohexane	83	12.892	12.888	0.004	88	2569	0.0200	0.0204	
64 4-Methyl-2-pentanone (MIBK)	43	13.290	13.273	0.017	96	4651	0.0200	0.0254	
65 cis-1,3-Dichloropropene	75	13.343	13.341	0.002	95	2355	0.0200	0.0207	
66 trans-1,3-Dichloropropene	75	14.027	14.023	0.004	94	2081	0.0200	0.0210	
67 Toluene	91	14.150	14.151	-0.001	93	8005	0.0200	0.0314	
68 1,1,2-Trichloroethane	83	14.226	14.222	0.004	92	1910	0.0200	0.0234	
69 2-Hexanone	58	14.591	14.584	0.007	90	1672	0.0200	0.0199	
70 n-Octane	85	14.807	14.811	-0.004	97	1237	0.0200	0.0188	
71 Chlorodibromomethane	129	14.914	14.920	-0.006	96	2405	0.0200	0.0196	
72 Ethylene Dibromide	107	15.210	15.211	-0.001	95	3063	0.0200	0.0236	
73 Tetrachloroethene	129	15.280	15.278	0.002	85	2125	0.0200	0.0243	
74 2,3-Dimethylheptane	43	16.146	16.142	0.004	92	6414	0.0200	0.0249	
75 Chlorobenzene	112	16.141	16.144	-0.003	88	4954	0.0200	0.0279	
76 Ethylbenzene	91	16.421	16.422	-0.001	97	8178	0.0200	0.0253	
77 m-Xylene & p-Xylene	91	16.582	16.582	0.000	99	13935	0.0400	0.0551	
78 n-Nonane	57	16.985	16.985	0.000	91	4003	0.0200	0.0227	
79 Bromoform	173	17.045	17.046	-0.001	66	1884	0.0200	0.0177	
80 Styrene	104	17.055	17.051	0.004	94	3630	0.0200	0.0213	
81 o-Xylene	91	17.114	17.113	0.001	97	7091	0.0200	0.0263	
82 1,1,2,2-Tetrachloroethane	83	17.437	17.440	-0.003	95	4614	0.0200	0.0229	
83 1,2,3-Trichloropropane	110	17.604	17.602	0.002	95	755	0.0200	0.0188	
84 Isopropylbenzene	105	17.701	17.704	-0.003	87	9332	0.0200	0.0272	
85 N-Propylbenzene	120	18.239	18.236	0.003	97	1892	0.0200	0.0208	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 2-Chlorotoluene	126	18.287	18.286	0.001	97	2150	0.0200	0.0253	
87 4-Ethyltoluene	105	18.379	18.381	-0.002	98	8800	0.0200	0.0251	
88 1,3,5-Trimethylbenzene	120	18.454	18.453	0.001	91	2992	0.0200	0.0223	
89 Alpha Methyl Styrene	118	18.680	18.681	-0.001	82	2508	0.0200	0.0188	
90 n-Decane	57	18.723	18.724	-0.001	89	4997	0.0200	0.0214	
91 tert-Butylbenzene	119	18.874	18.874	0.000	87	7236	0.0200	0.0245	
92 1,2,4-Trimethylbenzene	105	18.890	18.888	0.002	94	7794	0.0200	0.0261	
93 sec-Butylbenzene	105	19.137	19.139	-0.002	98	10597	0.0200	0.0245	
94 1,3-Dichlorobenzene	146	19.159	19.162	-0.003	94	5075	0.0200	0.0287	
95 Benzyl chloride	91	19.234	19.234	0.000	96	4174	0.0200	0.0206	
96 1,4-Dichlorobenzene	146	19.245	19.246	-0.001	90	5610	0.0200	0.0322	
97 4-Isopropyltoluene	119	19.299	19.299	0.000	96	8572	0.0200	0.0252	
98 1,2,3-Trimethylbenzene	105	19.352	19.356	-0.004	98	6805	0.0200	-0.002536	
99 Butylcyclohexane	83	19.401	19.403	-0.002	89	5681	0.0200	0.0219	
100 2,3-Dihydroindene	117	19.605	19.602	0.003	92	6451	0.0200	0.0236	
101 1,2-Dichlorobenzene	146	19.605	19.606	-0.001	86	5401	0.0200	0.0311	
102 n-Butylbenzene	91	19.724	19.726	-0.002	92	10516	0.0200	0.0279	
103 Indene	116	19.734	19.731	0.003	69	5395	0.0200	0.0237	
104 Undecane	57	20.019	20.019	0.000	94	5447	0.0200	0.0204	
105 1,2-Dibromo-3-Chloropropane	157	20.197	20.200	-0.003	86	1533	0.0200	0.0203	
106 1,2,4,5-Tetramethylbenzene	119	20.477	20.480	-0.003	97	8741	0.0200	0.0252	
107 Dodecane	57	21.101	21.099	0.002	95	5208	0.0200	0.0191	
108 1,2,4-Trichlorobenzene	180	21.327	21.332	-0.005	92	4878	0.0200	0.0379	
109 Naphthalene	128	21.477	21.479	-0.002	99	15829	0.0200	0.0436	
110 Hexachlorobutadiene	225	21.666	21.666	0.000	92	3096	0.0200	0.0266	
111 1,2,3-Trichlorobenzene	180	21.730	21.729	0.001	92	4567	0.0200	0.0434	
112 2-Methylnaphthalene	142	22.279	22.279	0.000	98	3159	0.0200	0.0605	
113 1-Methylnaphthalene	142	22.403	22.403	0.000	98	4422	0.0200	0.0617	
A 115 C8 Range	1	14.812	(14.785-14.839)		0	16539	0.0200	0.0229	
S 116 Xylenes, Total	100				0		0.0600	0.0814	
S 117 1,2-Dichloroethene, Total	1				0		0.0400	0.0438	

QC Flag Legend

Processing Flags

Reagents:

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40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

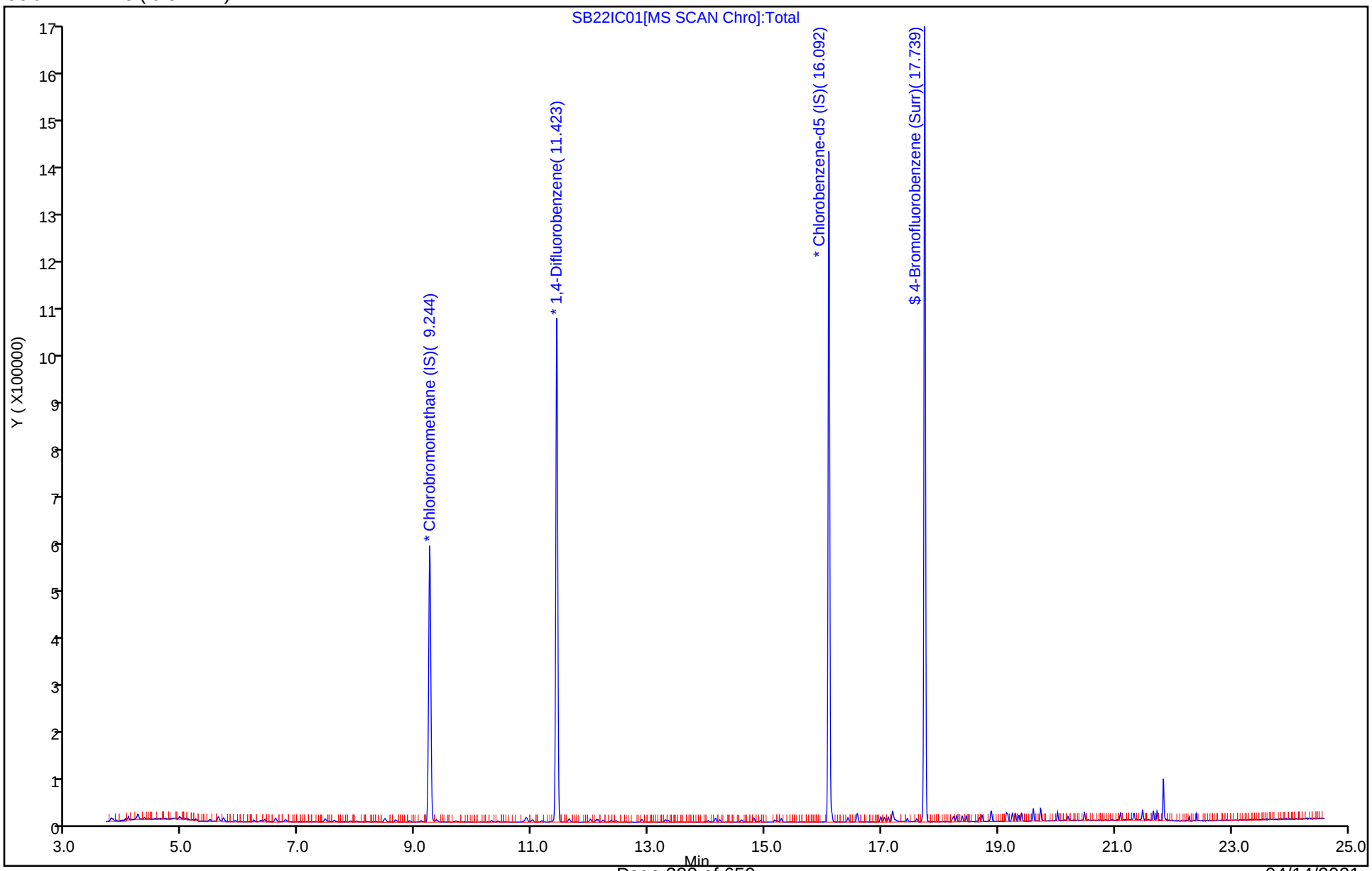
Report Date: 23-Feb-2021 08:34:48 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC01.D

Injection Date:	22-Feb-2021 17:35:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	IC L1			Worklist Smp#:	9
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

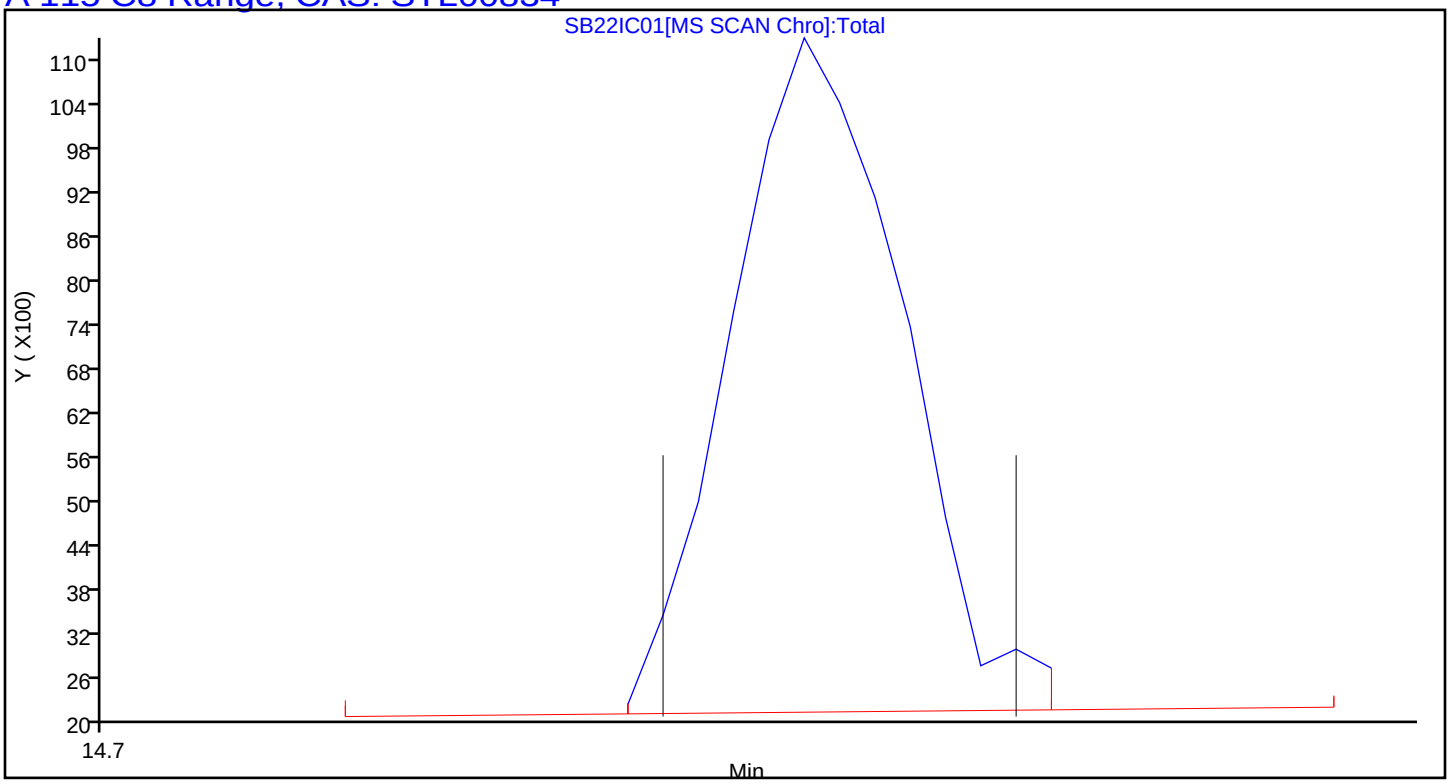


Report Date: 23-Feb-2021 08:34:48 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC01.D				
Injection Date:	22-Feb-2021 17:35:30	Instrument ID:	MS		
Lims ID:	IC L1				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	10	Worklist Smp#:	9
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC02.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-Feb-2021 18:21:30 ALS Bottle#: 11 Worklist Smp#: 10
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018286-010
Misc. Info.: 355967
Operator ID: HMT Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 23-Feb-2021 08:34:53 Calib Date: 22-Feb-2021 22:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: tajh Date: 23-Feb-2021 08:29:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.244	9.247	-0.003	98	203534	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.423	11.426	-0.003	95	1018244	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.092	16.095	-0.003	89	871628	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.739	17.739	0.000	85	703239	4.64	4.63	
6 Chlorodifluoromethane	51	3.800	3.801	-0.001	97	5182	0.0400	0.0462	
7 Propene	41	3.811	3.814	-0.003	67	2878	0.0400	0.0515	
8 Dichlorodifluoromethane	85	3.870	3.869	0.001	99	6603	0.0400	0.0403	
9 Chloromethane	52	4.064	4.067	-0.003	54	1133	0.0400	0.0655	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.069	4.073	-0.004	90	3712	0.0400	0.0417	
11 Acetaldehyde	44	4.236	4.234	0.002	96	9659	0.2000	0.4473	
12 Vinyl chloride	62	4.257	4.254	0.003	95	2080	0.0400	0.0419	
14 Butane	43	4.343	4.348	-0.005	85	3167	0.0400	0.0433	
13 Butadiene	54	4.349	4.348	0.001	71	1900	0.0400	0.0484	
15 Bromomethane	94	4.699	4.698	0.001	87	2517	0.0400	0.0556	
16 Chloroethane	64	4.838	4.851	-0.013	1	558	0.0400	0.0286	
17 Ethanol	31	4.946	4.945	0.001	93	5367	0.2000	0.1606	
18 Vinyl bromide	106	5.188	5.181	0.007	91	2489	0.0400	0.0411	
19 2-Methylbutane	43	5.226	5.231	-0.005	89	4138	0.0400	0.0486	
20 Trichlorofluoromethane	101	5.473	5.470	0.003	98	6397	0.0400	0.0409	
21 Acrolein	56	5.484	5.480	0.004	27	1116	0.0400	0.0517	
22 Acetonitrile	40	5.565	5.551	0.014	92	1207	0.0400	0.0377	
23 Acetone	58	5.613	5.601	0.012	97	8874	0.1200	0.2366	
24 Isopropyl alcohol	45	5.704	5.685	0.019	78	10982	0.1200	0.1183	
26 Ethyl ether	31	5.904	5.886	0.018	88	3597	0.0400	0.0426	
27 1,1-Dichloroethene	96	6.221	6.227	-0.006	94	2409	0.0400	0.0387	
28 Acrylonitrile	53	6.334	6.335	-0.001	89	2582	0.0400	0.0490	
29 2-Methyl-2-propanol	59	6.355	6.325	0.030	93	4126	0.0400	0.0396	
30 112TCTFE	101	6.409	6.411	-0.002	95	5349	0.0400	0.0407	
31 Methylene Chloride	84	6.592	6.595	-0.003	95	4159	0.0400	0.0676	
32 3-Chloro-1-propene	39	6.619	6.612	0.007	92	3096	0.0400	0.0506	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Carbon disulfide	76	6.775	6.771	0.004	98	12137	0.0400	0.0598	
34 trans-1,2-Dichloroethene	96	7.437	7.444	-0.007	71	2397	0.0400	0.0382	
35 2-Methylpentane	43	7.469	7.461	0.008	94	7208	0.0400	0.0430	
36 Methyl tert-butyl ether	73	7.598	7.573	0.025	93	6060	0.0400	0.0384	
37 1,1-Dichloroethane	63	7.883	7.886	-0.003	97	4973	0.0400	0.0381	
38 Vinyl acetate	43	7.991	7.985	0.006	99	6981	0.0400	0.0427	
39 2-Butanone (MEK)	72	8.470	8.451	0.019	85	1791	0.0400	0.0529	
40 Hexane	56	8.475	8.478	-0.003	70	2203	0.0400	0.0407	
41 Isopropyl ether	45	8.653	8.636	0.016	96	9674	0.0400	0.0398	
42 cis-1,2-Dichloroethene	96	8.905	8.905	0.000	96	2881	0.0400	0.0421	
43 Ethyl acetate	43	9.094	9.079	0.015	97	6898	0.0400	0.0422	
44 Chloroform	83	9.255	9.257	-0.002	60	6020	0.0400	0.0422	
45 Tert-butyl ethyl ether	59	9.363	9.336	0.027	97	8269	0.0400	0.0406	
46 Tetrahydrofuran	42	9.691	9.663	0.028	95	3791	0.0400	0.0458	
47 1,1,1-Trichloroethane	97	10.304	10.308	-0.004	96	5303	0.0400	0.0400	
48 1,2-Dichloroethane	62	10.412	10.417	-0.005	93	3981	0.0400	0.0426	
49 n-Butanol	31	10.853	10.827	0.026	23	1307	0.0400	0.0411	
51 Benzene	78	10.901	10.899	0.002	96	9951	0.0400	0.0472	
50 Cyclohexane	69	10.890	10.899	-0.009	63	1285	0.0400	0.0398	
52 Carbon tetrachloride	117	10.917	10.920	-0.003	79	4015	0.0400	0.0357	
53 2,3-Dimethylpentane	71	11.009	11.007	0.002	91	1924	0.0400	0.0436	
54 Thiophene	84	11.165	11.169	-0.004	96	4512	0.0400	0.0389	
55 Isooctane	57	11.638	11.639	-0.001	97	14418	0.0400	0.0405	
56 n-Heptane	71	11.999	12.003	-0.004	94	2570	0.0400	0.0386	
57 1,2-Dichloropropane	63	12.095	12.100	-0.005	71	3775	0.0400	0.0422	
58 Trichloroethene	130	12.128	12.132	-0.004	91	3331	0.0400	0.0411	
59 Dibromomethane	93	12.219	12.220	-0.001	88	3783	0.0400	0.0463	
60 Dichlorobromomethane	83	12.359	12.359	0.000	98	5471	0.0400	0.0401	
61 1,4-Dioxane	88	12.386	12.365	0.021	84	1347	0.0400	0.0435	
62 Methyl methacrylate	41	12.440	12.433	0.007	88	4248	0.0400	0.0436	
63 Methylcyclohexane	83	12.886	12.888	-0.002	94	5056	0.0400	0.0409	
64 4-Methyl-2-pentanone (MIBK)	43	13.284	13.273	0.011	95	7797	0.0400	0.0433	
65 cis-1,3-Dichloropropene	75	13.338	13.341	-0.003	91	4387	0.0400	0.0392	
66 trans-1,3-Dichloropropene	75	14.021	14.023	-0.002	98	3442	0.0400	0.0354	
67 Toluene	91	14.150	14.151	-0.001	93	12368	0.0400	0.0493	
68 1,1,2-Trichloroethane	83	14.220	14.222	-0.002	92	3222	0.0400	0.0402	
69 2-Hexanone	58	14.592	14.584	0.008	92	3055	0.0400	0.0370	
70 n-Octane	85	14.812	14.811	0.001	95	2690	0.0400	0.0417	
71 Chlorodibromomethane	129	14.920	14.920	0.000	95	4150	0.0400	0.0344	
72 Ethylene Dibromide	107	15.210	15.211	-0.001	95	5193	0.0400	0.0408	
73 Tetrachloroethene	129	15.280	15.278	0.002	86	3887	0.0400	0.0451	
75 Chlorobenzene	112	16.146	16.144	0.002	82	8398	0.0400	0.0482	
74 2,3-Dimethylheptane	43	16.141	16.142	-0.001	94	11121	0.0400	0.0439	
76 Ethylbenzene	91	16.421	16.422	-0.001	99	14167	0.0400	0.0446	
77 m-Xylene & p-Xylene	91	16.582	16.582	0.000	99	22548	0.0800	0.0907	
78 n-Nonane	57	16.985	16.985	0.000	92	6950	0.0400	0.0402	
79 Bromoform	173	17.045	17.046	-0.001	66	3005	0.0400	0.0287	
80 Styrene	104	17.045	17.051	-0.006	98	6583	0.0400	0.0393	
81 o-Xylene	91	17.109	17.113	-0.004	98	12086	0.0400	0.0456	
82 1,1,2,2-Tetrachloroethane	83	17.437	17.440	-0.003	97	8095	0.0400	0.0409	
83 1,2,3-Trichloropropane	110	17.599	17.602	-0.003	96	1619	0.0400	0.0409	
84 Isopropylbenzene	105	17.701	17.704	-0.003	88	15361	0.0400	0.0456	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	120	18.239	18.236	0.003	97	3234	0.0400	0.0362	
86 2-Chlorotoluene	126	18.287	18.286	0.001	97	3830	0.0400	0.0458	
87 4-Ethyltoluene	105	18.379	18.381	-0.002	99	15211	0.0400	0.0441	
88 1,3,5-Trimethylbenzene	120	18.454	18.453	0.001	90	5623	0.0400	0.0427	
89 Alpha Methyl Styrene	118	18.680	18.681	-0.001	84	4715	0.0400	0.0360	
90 n-Decane	57	18.723	18.724	-0.001	89	9568	0.0400	0.0416	
91 tert-Butylbenzene	119	18.874	18.874	0.000	89	13030	0.0400	0.0448	
92 1,2,4-Trimethylbenzene	105	18.884	18.888	-0.004	96	13136	0.0400	0.0447	
93 sec-Butylbenzene	105	19.137	19.139	-0.002	98	18637	0.0400	0.0439	
94 1,3-Dichlorobenzene	146	19.164	19.162	0.002	97	8557	0.0400	0.0492	
95 Benzyl chloride	91	19.234	19.234	0.000	95	6644	0.0400	0.0333	
96 1,4-Dichlorobenzene	146	19.245	19.246	-0.001	90	8771	0.0400	0.0512	
97 4-Isopropyltoluene	119	19.299	19.299	0.000	96	14183	0.0400	0.0424	
98 1,2,3-Trimethylbenzene	105	19.358	19.356	0.002	99	13130	0.0400	0.0207	
99 Butylcyclohexane	83	19.406	19.403	0.003	93	10833	0.0400	0.0424	
100 2,3-Dihydroindene	117	19.600	19.602	-0.002	93	11212	0.0400	0.0416	
101 1,2-Dichlorobenzene	146	19.605	19.606	-0.001	96	8352	0.0400	0.0489	
102 n-Butylbenzene	91	19.729	19.726	0.003	94	17043	0.0400	0.0460	
103 Indene	116	19.729	19.731	-0.002	88	9163	0.0400	0.0410	
104 Undecane	57	20.020	20.019	0.001	95	10574	0.0400	0.0404	
105 1,2-Dibromo-3-Chloropropane	157	20.197	20.200	-0.003	83	2455	0.0400	0.0331	
106 1,2,4,5-Tetramethylbenzene	119	20.477	20.480	-0.003	96	15393	0.0400	0.0451	
107 Dodecane	57	21.101	21.099	0.002	94	10190	0.0400	0.0379	
108 1,2,4-Trichlorobenzene	180	21.332	21.332	0.000	91	5529	0.0400	0.0437	
109 Naphthalene	128	21.477	21.479	-0.002	99	18507	0.0400	0.0519	
110 Hexachlorobutadiene	225	21.666	21.666	0.000	93	5552	0.0400	0.0485	
111 1,2,3-Trichlorobenzene	180	21.725	21.729	-0.004	95	5466	0.0400	0.0529	
112 2-Methylnaphthalene	142	22.279	22.279	0.000	96	2835	0.0400	0.0552	
113 1-Methylnaphthalene	142	22.403	22.403	0.000	97	4336	0.0400	0.0615	
A 115 C8 Range	1	14.807	(14.769-14.844)		0	30095	0.0400	0.0424	
S 116 Xylenes, Total	100				0		0.1200	0.1362	
S 117 1,2-Dichloroethene, Total	1				0		0.0800	0.0803	

QC Flag Legend

Processing Flags

Reagents:

40L1-3DQP_00039	Amount Added: 100.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

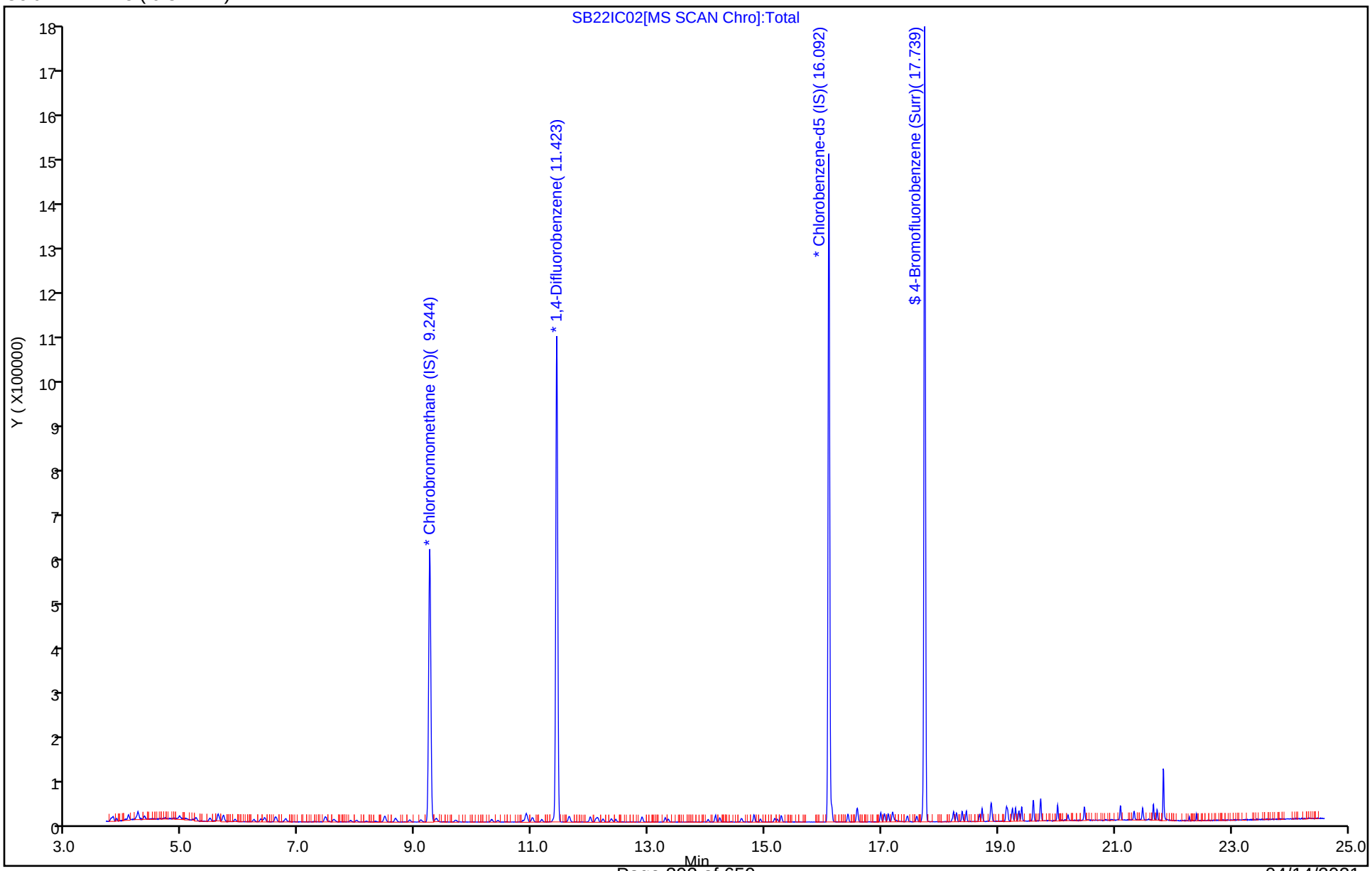
Report Date: 23-Feb-2021 08:34:54 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC02.D

Injection Date:	22-Feb-2021 18:21:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	IC L2			Worklist Smp#:	10
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

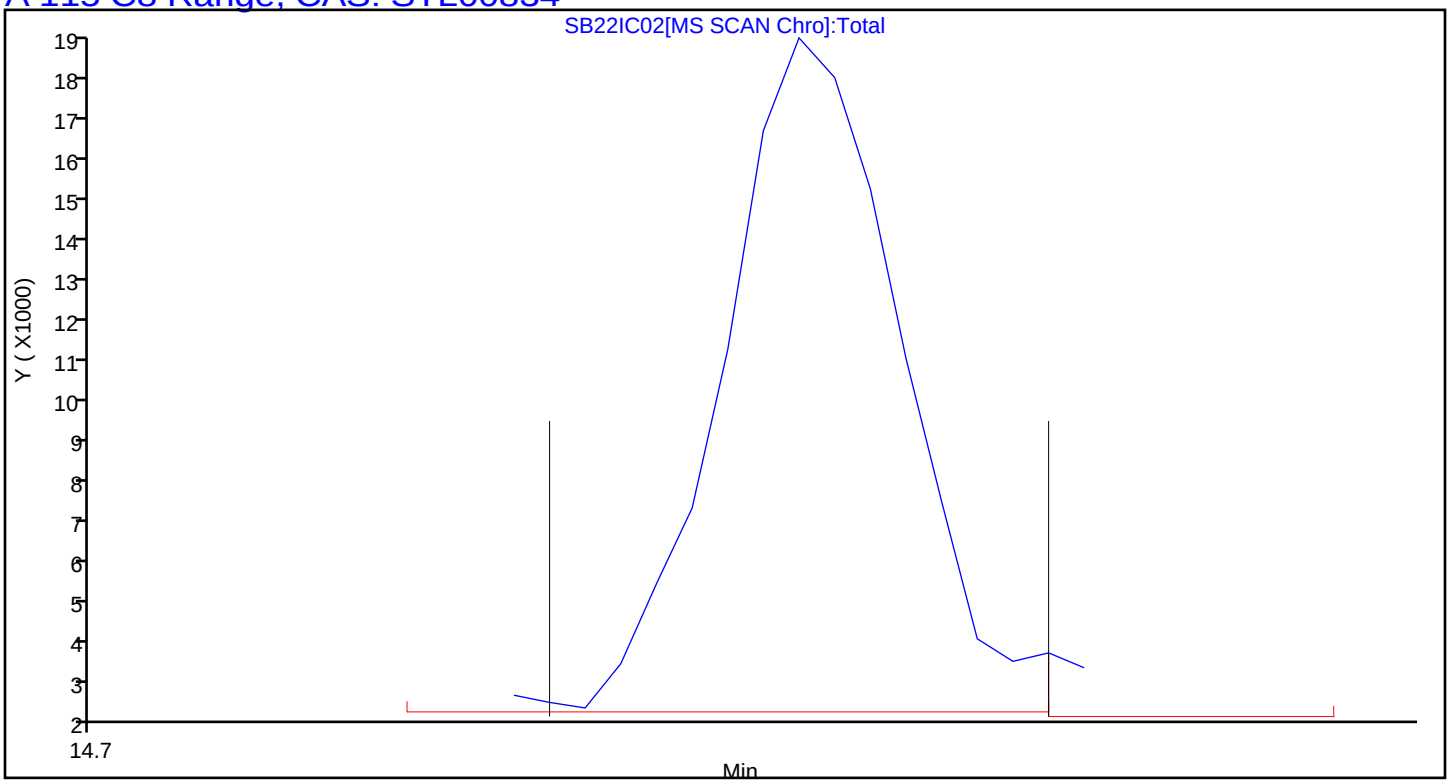


Report Date: 23-Feb-2021 08:34:54 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC02.D				
Injection Date:	22-Feb-2021 18:21:30	Instrument ID:	MS		
Lims ID:	IC L2				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	10
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC03.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Feb-2021 19:07:30 ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018286-011
Misc. Info.: 355967
Operator ID: HMT Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 23-Feb-2021 08:35:00 Calib Date: 22-Feb-2021 22:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: tajh Date: 23-Feb-2021 08:09:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.244	9.247	-0.003	99	203758	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.423	11.426	-0.003	95	1033433	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.093	16.095	-0.002	89	885173	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.739	17.739	0.000	85	708650	4.64	4.60	
6 Chlorodifluoromethane	51	3.806	3.801	0.005	97	9397	0.0800	0.0838	
7 Propene	41	3.816	3.814	0.002	98	5095	0.0800	0.0910	
8 Dichlorodifluoromethane	85	3.870	3.869	0.001	99	12836	0.0800	0.0782	
9 Chloromethane	52	4.064	4.067	-0.003	61	1608	0.0800	0.0929	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.075	4.073	0.002	91	6992	0.0800	0.0785	
11 Acetaldehyde	44	4.236	4.234	0.002	97	17290	0.4000	0.7997	
12 Vinyl chloride	62	4.247	4.254	-0.007	31	4028	0.0800	0.0810	
14 Butane	43	4.349	4.348	0.001	83	6000	0.0800	0.0820	
13 Butadiene	54	4.349	4.348	0.001	69	3221	0.0800	0.0820	
15 Bromomethane	94	4.699	4.698	0.001	95	4310	0.0800	0.0951	
16 Chloroethane	64	4.849	4.851	-0.002	94	1821	0.0800	0.0933	
17 Ethanol	31	4.951	4.945	0.006	93	9336	0.4000	0.3615	
18 Vinyl bromide	106	5.177	5.181	-0.004	95	5029	0.0800	0.0829	
19 2-Methylbutane	43	5.231	5.231	0.000	94	7418	0.0800	0.0870	
20 Trichlorofluoromethane	101	5.468	5.470	-0.002	99	12359	0.0800	0.0790	
21 Acrolein	56	5.484	5.480	0.004	27	1890	0.0800	0.0874	
22 Acetonitrile	40	5.549	5.551	-0.002	99	2174	0.0800	0.0679	
23 Acetone	58	5.608	5.601	0.007	98	15251	0.2400	0.4062	
24 Isopropyl alcohol	45	5.694	5.685	0.009	86	20911	0.2400	0.2251	
25 Pentane	72	5.699	5.706	-0.007	76	564	0.0800	0.0750	
26 Ethyl ether	31	5.898	5.886	0.012	91	6406	0.0800	0.0757	
27 1,1-Dichloroethene	96	6.226	6.227	-0.001	94	4807	0.0800	0.0771	
28 Acrylonitrile	53	6.345	6.335	0.010	69	4527	0.0800	0.0858	
29 2-Methyl-2-propanol	59	6.345	6.325	0.020	92	7950	0.0800	0.0763	
30 112TCTFE	101	6.415	6.411	0.004	95	10441	0.0800	0.0794	
31 Methylene Chloride	84	6.592	6.595	-0.003	98	6547	0.0800	0.1062	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.608	6.612	-0.004	95	5622	0.0800	0.0919	
33 Carbon disulfide	76	6.770	6.771	-0.001	97	19039	0.0800	0.0937	
34 trans-1,2-Dichloroethene	96	7.448	7.444	0.004	94	5097	0.0800	0.0811	
35 2-Methylpentane	43	7.458	7.461	-0.003	95	13358	0.0800	0.0796	
36 Methyl tert-butyl ether	73	7.587	7.573	0.014	96	12615	0.0800	0.0799	
37 1,1-Dichloroethane	63	7.883	7.886	-0.003	98	10680	0.0800	0.0817	
38 Vinyl acetate	43	7.985	7.985	0.000	99	12447	0.0800	0.0761	
39 2-Butanone (MEK)	72	8.464	8.451	0.013	86	3096	0.0800	0.0913	
40 Hexane	56	8.475	8.478	-0.003	75	4321	0.0800	0.0797	
41 Isopropyl ether	45	8.647	8.636	0.011	97	19287	0.0800	0.0793	
42 cis-1,2-Dichloroethene	96	8.905	8.905	0.000	97	5398	0.0800	0.0788	
43 Ethyl acetate	43	9.088	9.079	0.009	98	12588	0.0800	0.0769	
44 Chloroform	83	9.255	9.257	-0.002	36	11028	0.0800	0.0772	
45 Tert-butyl ethyl ether	59	9.341	9.336	0.005	98	15227	0.0800	0.0747	
46 Tetrahydrofuran	42	9.691	9.663	0.028	93	6865	0.0800	0.0829	
47 1,1,1-Trichloroethane	97	10.304	10.308	-0.004	96	10460	0.0800	0.0789	
48 1,2-Dichloroethane	62	10.412	10.417	-0.005	95	7388	0.0800	0.0779	
49 n-Butanol	31	10.853	10.827	0.026	71	2318	0.0800	0.0719	
50 Cyclohexane	69	10.901	10.899	0.002	66	2842	0.0800	0.0867	
51 Benzene	78	10.896	10.899	-0.003	97	17951	0.0800	0.0839	
52 Carbon tetrachloride	117	10.917	10.920	-0.003	95	8127	0.0800	0.0712	
53 2,3-Dimethylpentane	71	11.009	11.007	0.002	93	3620	0.0800	0.0809	
54 Thiophene	84	11.165	11.169	-0.004	96	9201	0.0800	0.0781	
55 Isooctane	57	11.638	11.639	-0.001	97	28525	0.0800	0.0790	
56 n-Heptane	71	12.004	12.003	0.001	93	5230	0.0800	0.0774	
57 1,2-Dichloropropane	63	12.095	12.100	-0.005	93	7352	0.0800	0.0810	
58 Trichloroethene	130	12.133	12.132	0.001	92	6446	0.0800	0.0784	
59 Dibromomethane	93	12.214	12.220	-0.006	91	6924	0.0800	0.0835	
60 Dichlorobromomethane	83	12.354	12.359	-0.005	99	9977	0.0800	0.0721	
61 1,4-Dioxane	88	12.381	12.365	0.016	88	2495	0.0800	0.0793	
62 Methyl methacrylate	41	12.434	12.433	0.001	90	7347	0.0800	0.0742	
63 Methylcyclohexane	83	12.881	12.888	-0.007	94	9636	0.0800	0.0768	
64 4-Methyl-2-pentanone (MIBK)	43	13.279	13.273	0.006	96	14426	0.0800	0.0790	
65 cis-1,3-Dichloropropene	75	13.338	13.341	-0.003	95	8140	0.0800	0.0716	
66 trans-1,3-Dichloropropene	75	14.021	14.023	-0.002	96	7080	0.0800	0.0717	
67 Toluene	91	14.150	14.151	-0.001	93	22040	0.0800	0.0865	
68 1,1,2-Trichloroethane	83	14.215	14.222	-0.007	93	6368	0.0800	0.0782	
69 2-Hexanone	58	14.586	14.584	0.002	90	6253	0.0800	0.0746	
70 n-Octane	85	14.812	14.811	0.001	96	5136	0.0800	0.0784	
71 Chlorodibromomethane	129	14.920	14.920	0.000	98	8253	0.0800	0.0674	
72 Ethylene Dibromide	107	15.210	15.211	-0.001	96	10056	0.0800	0.0777	
73 Tetrachloroethene	129	15.275	15.278	-0.003	91	7054	0.0800	0.0806	
74 2,3-Dimethylheptane	43	16.141	16.142	-0.001	94	21431	0.0800	0.0832	
75 Chlorobenzene	112	16.146	16.144	0.002	82	15486	0.0800	0.0874	
76 Ethylbenzene	91	16.421	16.422	-0.001	99	25968	0.0800	0.0804	
77 m-Xylene & p-Xylene	91	16.582	16.582	0.000	98	41449	0.1600	0.1641	
78 n-Nonane	57	16.980	16.985	-0.005	94	13880	0.0800	0.0790	
79 Bromoform	173	17.045	17.046	-0.001	63	5931	0.0800	0.0558	
80 Styrene	104	17.050	17.051	-0.001	99	12983	0.0800	0.0763	
81 o-Xylene	91	17.115	17.113	0.002	98	22122	0.0800	0.0821	
82 1,1,2,2-Tetrachloroethane	83	17.437	17.440	-0.003	97	15629	0.0800	0.0778	
83 1,2,3-Trichloropropane	110	17.599	17.602	-0.003	96	3062	0.0800	0.0763	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.701	17.704	-0.003	96	27473	0.0800	0.0802	
85 N-Propylbenzene	120	18.234	18.236	-0.002	99	7151	0.0800	0.0788	
86 2-Chlorotoluene	126	18.282	18.286	-0.004	96	6600	0.0800	0.0777	
87 4-Ethyltoluene	105	18.379	18.381	-0.002	98	27734	0.0800	0.0792	
88 1,3,5-Trimethylbenzene	120	18.454	18.453	0.001	91	11147	0.0800	0.0834	
89 Alpha Methyl Styrene	118	18.680	18.681	-0.001	85	9445	0.0800	0.0710	
90 n-Decane	57	18.723	18.724	-0.001	88	18427	0.0800	0.0790	
91 tert-Butylbenzene	119	18.874	18.874	0.000	89	24449	0.0800	0.0828	
92 1,2,4-Trimethylbenzene	105	18.885	18.888	-0.004	97	24696	0.0800	0.0828	
93 sec-Butylbenzene	105	19.137	19.139	-0.002	98	35763	0.0800	0.0829	
94 1,3-Dichlorobenzene	146	19.159	19.162	-0.003	98	15405	0.0800	0.0872	
95 Benzyl chloride	91	19.234	19.234	0.000	96	12902	0.0800	0.0636	
96 1,4-Dichlorobenzene	146	19.245	19.246	-0.001	91	15230	0.0800	0.0875	
97 4-Isopropyltoluene	119	19.299	19.299	0.000	96	28155	0.0800	0.0828	
98 1,2,3-Trimethylbenzene	105	19.353	19.356	-0.003	99	24714	0.0800	0.0610	
99 Butylcyclohexane	83	19.401	19.403	-0.002	91	21147	0.0800	0.0815	
100 2,3-Dihydroindene	117	19.600	19.602	-0.002	92	22580	0.0800	0.0826	
101 1,2-Dichlorobenzene	146	19.605	19.606	-0.001	95	15559	0.0800	0.0897	
103 Indene	116	19.729	19.731	-0.002	86	17526	0.0800	0.0771	
102 n-Butylbenzene	91	19.724	19.726	-0.002	94	31994	0.0800	0.0850	
104 Undecane	57	20.020	20.019	0.001	95	21082	0.0800	0.0793	
105 1,2-Dibromo-3-Chloropropane	157	20.197	20.200	-0.003	83	4487	0.0800	0.0596	
106 1,2,4,5-Tetramethylbenzene	119	20.482	20.480	0.002	95	29086	0.0800	0.0838	
107 Dodecane	57	21.096	21.099	-0.003	95	21712	0.0800	0.0796	
108 1,2,4-Trichlorobenzene	180	21.332	21.332	0.000	93	10361	0.0800	0.0806	
109 Naphthalene	128	21.477	21.479	-0.002	99	32255	0.0800	0.0891	
110 Hexachlorobutadiene	225	21.666	21.666	0.000	94	10769	0.0800	0.0927	
111 1,2,3-Trichlorobenzene	180	21.730	21.729	0.001	94	9572	0.0800	0.0912	
112 2-Methylnaphthalene	142	22.279	22.279	0.000	95	4279	0.0800	0.0821	
113 1-Methylnaphthalene	142	22.403	22.403	0.000	97	7125	0.0800	0.0996	
A 115 C8 Range	1	14.812	(14.769-14.844)		0	56109	0.0800	0.0779	
S 116 Xylenes, Total	100				0		0.2400	0.2463	
S 117 1,2-Dichloroethene, Total	1				0		0.1600	0.1599	

QC Flag Legend

Processing Flags

Reagents:

40L1-3DQP_00039	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

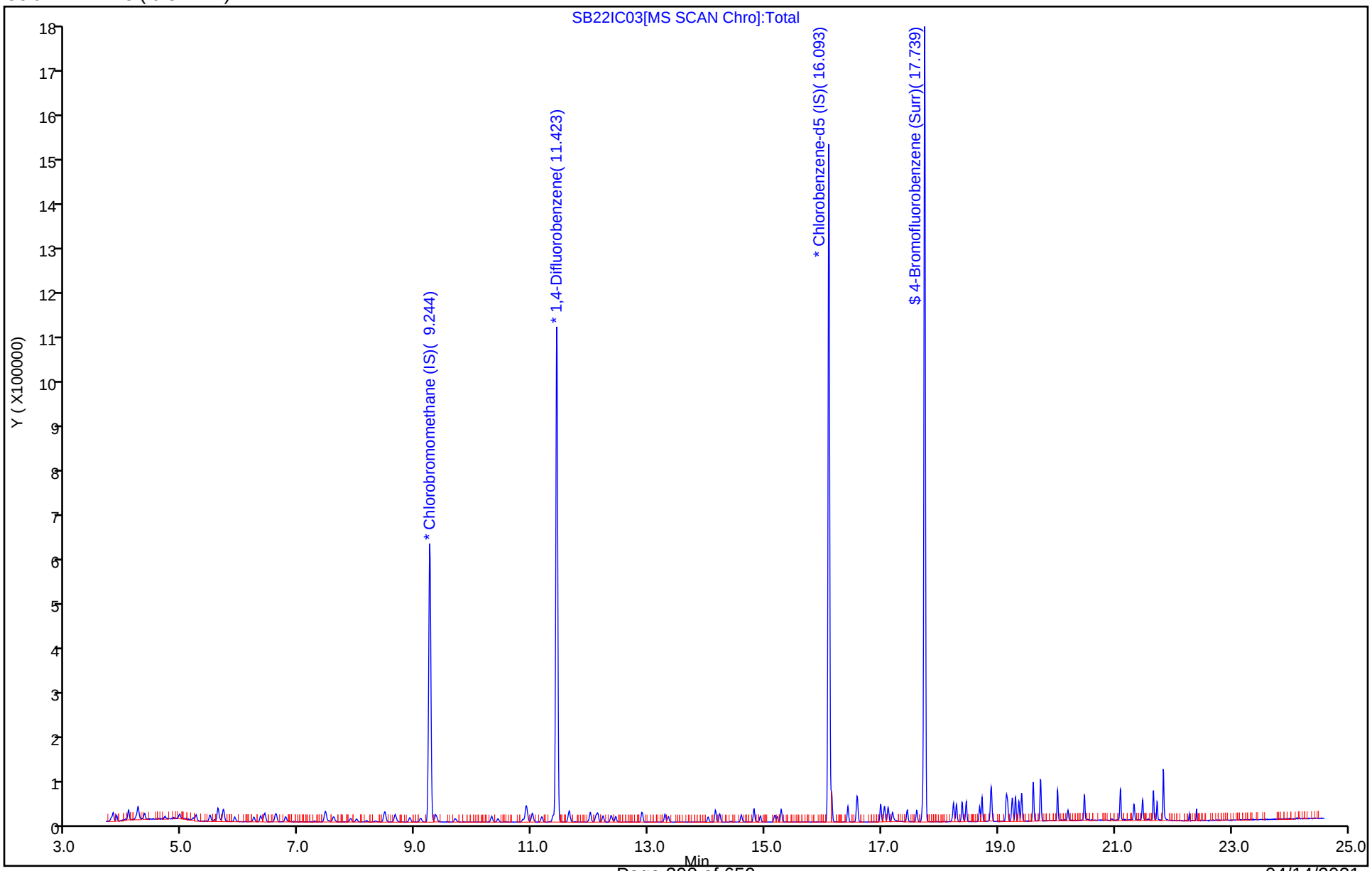
Report Date: 23-Feb-2021 08:35:00 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC03.D

Injection Date:	22-Feb-2021 19:07:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	IC L3			Worklist Smp#:	11
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



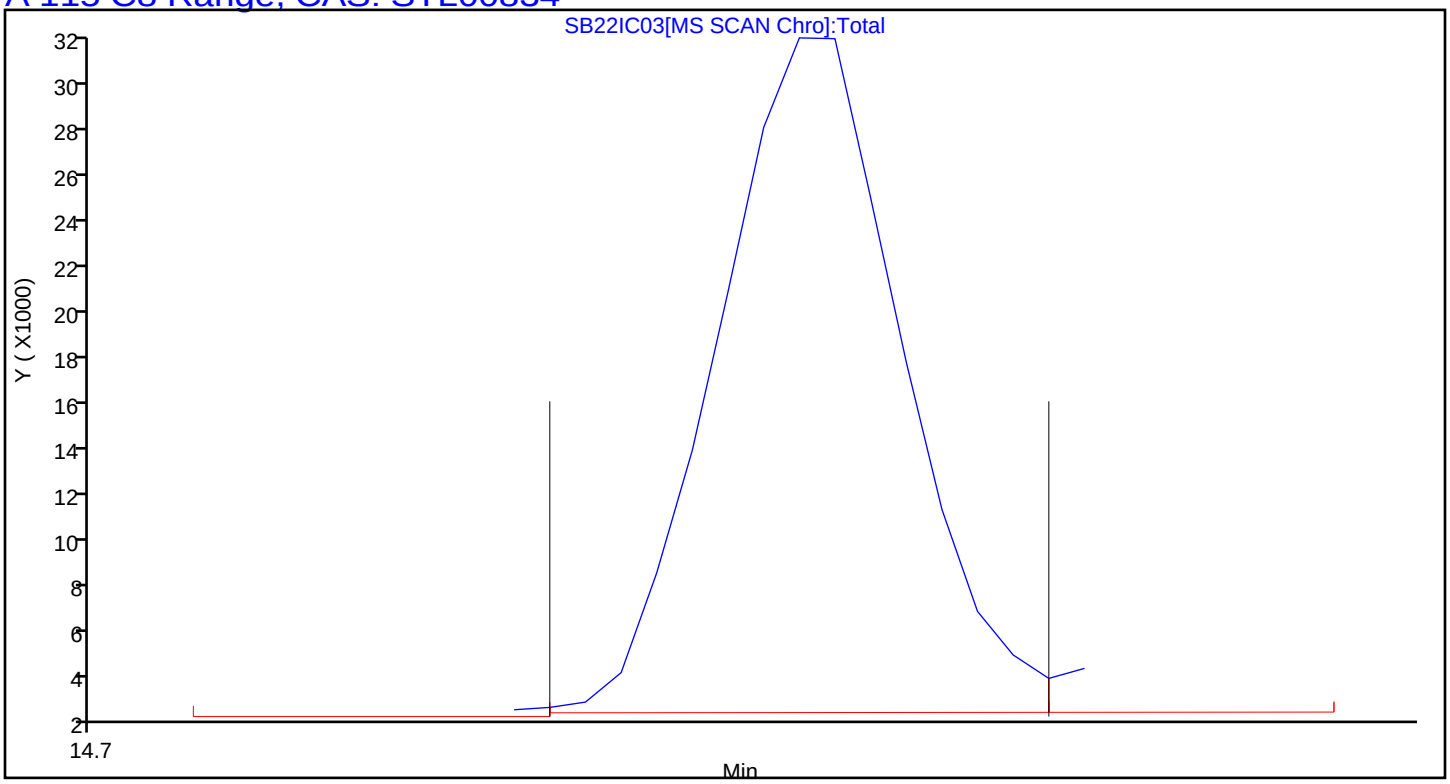
04/14/2021

Report Date: 23-Feb-2021 08:35:00 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC03.D				
Injection Date:	22-Feb-2021 19:07:30	Instrument ID:	MS		
Lims ID:	IC L3				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	11
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC04.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 22-Feb-2021 19:53:30 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018286-012
Misc. Info.: 355965
Operator ID: HMT Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 23-Feb-2021 08:35:07 Calib Date: 22-Feb-2021 22:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: tajh Date: 23-Feb-2021 08:30:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.244	9.247	-0.003	99	205372	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.423	11.426	-0.003	95	1037995	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.092	16.095	-0.003	89	890262	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.738	17.739	-0.001	85	711053	4.64	4.59	
6 Chlorodifluoromethane	51	3.800	3.801	-0.001	96	19707	0.1600	0.1743	
7 Propene	41	3.811	3.814	-0.003	98	9688	0.1600	0.1717	
8 Dichlorodifluoromethane	85	3.870	3.869	0.001	99	26601	0.1600	0.1608	
9 Chloromethane	52	4.069	4.067	0.002	54	3385	0.1600	0.1940	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.069	4.073	-0.004	92	14273	0.1600	0.1591	
11 Acetaldehyde	44	4.236	4.234	0.002	95	25073	0.8000	1.15	
12 Vinyl chloride	62	4.252	4.254	-0.002	97	7473	0.1600	0.1491	
13 Butadiene	54	4.343	4.348	-0.005	71	6177	0.1600	0.1561	
14 Butane	43	4.349	4.348	0.001	85	11946	0.1600	0.1619	
15 Bromomethane	94	4.693	4.698	-0.005	97	7508	0.1600	0.1644	
16 Chloroethane	64	4.849	4.851	-0.002	96	3446	0.1600	0.1751	
17 Ethanol	31	4.940	4.945	-0.005	94	17679	0.8000	0.7772	
18 Vinyl bromide	106	5.177	5.181	-0.004	99	9436	0.1600	0.1544	
19 2-Methylbutane	43	5.231	5.231	0.000	93	14168	0.1600	0.1649	
20 Trichlorofluoromethane	101	5.467	5.470	-0.003	99	25244	0.1600	0.1601	
21 Acrolein	56	5.478	5.480	-0.002	32	3561	0.1600	0.1634	
22 Acetonitrile	40	5.548	5.551	-0.003	99	5779	0.1600	0.1791	
23 Acetone	58	5.602	5.601	0.001	98	22816	0.4800	0.6030	
24 Isopropyl alcohol	45	5.693	5.685	0.008	92	43857	0.4800	0.4683	
25 Pentane	72	5.704	5.706	-0.002	94	1342	0.1600	0.1771	
26 Ethyl ether	31	5.892	5.886	0.006	92	13886	0.1600	0.1628	
27 1,1-Dichloroethene	96	6.226	6.227	-0.001	94	10048	0.1600	0.1599	
28 Acrylonitrile	53	6.334	6.335	-0.001	66	8526	0.1600	0.1603	
29 2-Methyl-2-propanol	59	6.328	6.325	0.003	93	16281	0.1600	0.1549	
30 112TCTFE	101	6.404	6.411	-0.007	95	21208	0.1600	0.1599	
31 Methylene Chloride	84	6.592	6.595	-0.003	98	11076	0.1600	0.1783	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.608	6.612	-0.004	95	10325	0.1600	0.1674	
33 Carbon disulfide	76	6.764	6.771	-0.007	99	34878	0.1600	0.1702	
34 trans-1,2-Dichloroethene	96	7.442	7.444	-0.002	95	10305	0.1600	0.1627	
35 2-Methylpentane	43	7.463	7.461	0.002	95	28232	0.1600	0.1669	
36 Methyl tert-butyl ether	73	7.582	7.573	0.009	96	25425	0.1600	0.1597	
37 1,1-Dichloroethane	63	7.878	7.886	-0.008	99	20801	0.1600	0.1578	
38 Vinyl acetate	43	7.985	7.985	0.000	100	25722	0.1600	0.1560	
39 2-Butanone (MEK)	72	8.453	8.451	0.002	96	5991	0.1600	0.1753	
40 Hexane	56	8.475	8.478	-0.003	91	9016	0.1600	0.1650	
41 Isopropyl ether	45	8.636	8.636	0.000	97	38503	0.1600	0.1570	
42 cis-1,2-Dichloroethene	96	8.905	8.905	0.000	98	10889	0.1600	0.1577	
43 Ethyl acetate	43	9.083	9.079	0.004	99	26108	0.1600	0.1583	
44 Chloroform	83	9.255	9.257	-0.002	93	22634	0.1600	0.1573	
45 Tert-butyl ethyl ether	59	9.341	9.336	0.005	97	32408	0.1600	0.1577	
46 Tetrahydrofuran	42	9.664	9.663	0.001	93	13616	0.1600	0.1631	
47 1,1,1-Trichloroethane	97	10.309	10.308	0.001	97	20486	0.1600	0.1533	
48 1,2-Dichloroethane	62	10.411	10.417	-0.006	96	15126	0.1600	0.1588	
49 n-Butanol	31	10.836	10.827	0.009	93	4948	0.1600	0.1528	
51 Benzene	78	10.901	10.899	0.002	97	34700	0.1600	0.1615	
50 Cyclohexane	69	10.895	10.899	-0.004	67	5402	0.1600	0.1641	
52 Carbon tetrachloride	117	10.917	10.920	-0.003	96	18627	0.1600	0.1625	
53 2,3-Dimethylpentane	71	11.003	11.007	-0.004	93	7331	0.1600	0.1631	
54 Thiophene	84	11.170	11.169	0.001	97	18716	0.1600	0.1582	
55 Isooctane	57	11.638	11.639	-0.001	97	57601	0.1600	0.1588	
56 n-Heptane	71	11.998	12.003	-0.005	93	11119	0.1600	0.1639	
57 1,2-Dichloropropane	63	12.095	12.100	-0.005	94	14736	0.1600	0.1616	
58 Trichloroethene	130	12.127	12.132	-0.005	91	13132	0.1600	0.1591	
59 Dibromomethane	93	12.219	12.220	-0.001	90	13001	0.1600	0.1561	
60 Dichlorobromomethane	83	12.359	12.359	0.000	98	20971	0.1600	0.1509	
61 1,4-Dioxane	88	12.364	12.365	-0.001	90	5268	0.1600	0.1668	
62 Methyl methacrylate	41	12.429	12.433	-0.004	93	15095	0.1600	0.1518	
63 Methylcyclohexane	83	12.891	12.888	0.003	95	20091	0.1600	0.1595	
64 4-Methyl-2-pentanone (MIBK)	43	13.279	13.273	0.006	98	28718	0.1600	0.1565	
65 cis-1,3-Dichloropropene	75	13.343	13.341	0.002	95	16884	0.1600	0.1479	
66 trans-1,3-Dichloropropene	75	14.021	14.023	-0.002	98	14273	0.1600	0.1437	
67 Toluene	91	14.150	14.151	-0.001	93	42354	0.1600	0.1653	
68 1,1,2-Trichloroethane	83	14.220	14.222	-0.002	95	13015	0.1600	0.1588	
69 2-Hexanone	58	14.586	14.584	0.002	91	12331	0.1600	0.1463	
70 n-Octane	85	14.812	14.811	0.001	96	10072	0.1600	0.1528	
71 Chlorodibromomethane	129	14.919	14.920	-0.001	97	17676	0.1600	0.1435	
72 Ethylene Dibromide	107	15.210	15.211	-0.001	98	20230	0.1600	0.1554	
73 Tetrachloroethene	129	15.274	15.278	-0.004	92	13811	0.1600	0.1570	
74 2,3-Dimethylheptane	43	16.141	16.142	-0.001	94	43265	0.1600	0.1671	
75 Chlorobenzene	112	16.141	16.144	-0.003	83	30429	0.1600	0.1708	
76 Ethylbenzene	91	16.420	16.422	-0.002	99	52744	0.1600	0.1625	
77 m-Xylene & p-Xylene	91	16.582	16.582	0.000	99	83981	0.3200	0.3306	
78 n-Nonane	57	16.985	16.985	0.000	96	28307	0.1600	0.1602	
79 Bromoform	173	17.044	17.046	-0.002	91	13982	0.1600	0.1308	
80 Styrene	104	17.050	17.051	-0.001	99	26102	0.1600	0.1525	
81 o-Xylene	91	17.109	17.113	-0.004	99	43396	0.1600	0.1602	
82 1,1,2,2-Tetrachloroethane	83	17.442	17.440	0.002	98	32138	0.1600	0.1591	
83 1,2,3-Trichloropropane	110	17.598	17.602	-0.004	97	6111	0.1600	0.1513	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.706	17.704	0.002	96	55393	0.1600	0.1609	
85 N-Propylbenzene	120	18.233	18.236	-0.003	99	15261	0.1600	0.1673	
86 2-Chlorotoluene	126	18.287	18.286	0.001	97	13871	0.1600	0.1624	
87 4-Ethyltoluene	105	18.378	18.381	-0.003	98	54337	0.1600	0.1543	
88 1,3,5-Trimethylbenzene	120	18.448	18.453	-0.005	91	21522	0.1600	0.1601	
89 Alpha Methyl Styrene	118	18.680	18.681	-0.001	87	19165	0.1600	0.1433	
90 n-Decane	57	18.723	18.724	-0.001	88	38684	0.1600	0.1648	
91 tert-Butylbenzene	119	18.873	18.874	-0.001	89	50006	0.1600	0.1683	
92 1,2,4-Trimethylbenzene	105	18.884	18.888	-0.004	96	49519	0.1600	0.1651	
93 sec-Butylbenzene	105	19.137	19.139	-0.002	98	71376	0.1600	0.1646	
94 1,3-Dichlorobenzene	146	19.159	19.162	-0.003	98	29481	0.1600	0.1659	
95 Benzyl chloride	91	19.234	19.234	0.000	96	26095	0.1600	0.1280	
96 1,4-Dichlorobenzene	146	19.245	19.246	-0.001	90	28722	0.1600	0.1641	
97 4-Isopropyltoluene	119	19.298	19.299	-0.001	96	56828	0.1600	0.1662	
98 1,2,3-Trimethylbenzene	105	19.352	19.356	-0.004	99	50565	0.1600	0.1518	
99 Butylcyclohexane	83	19.401	19.403	-0.002	92	43444	0.1600	0.1665	
100 2,3-Dihydroindene	117	19.600	19.602	-0.002	94	44677	0.1600	0.1625	
101 1,2-Dichlorobenzene	146	19.605	19.606	-0.001	95	29444	0.1600	0.1688	
102 n-Butylbenzene	91	19.723	19.726	-0.003	95	63948	0.1600	0.1690	
103 Indene	116	19.729	19.731	-0.002	86	35185	0.1600	0.1540	
104 Undecane	57	20.019	20.019	0.000	96	45244	0.1600	0.1691	
105 1,2-Dibromo-3-Chloropropane	157	20.202	20.200	0.002	86	10741	0.1600	0.1419	
106 1,2,4,5-Tetramethylbenzene	119	20.477	20.480	-0.003	95	58330	0.1600	0.1672	
107 Dodecane	57	21.095	21.099	-0.004	95	47823	0.1600	0.1743	
108 1,2,4-Trichlorobenzene	180	21.332	21.332	0.000	94	20103	0.1600	0.1555	
109 Naphthalene	128	21.477	21.479	-0.002	99	59147	0.1600	0.1624	
110 Hexachlorobutadiene	225	21.665	21.666	-0.001	95	21515	0.1600	0.1842	
111 1,2,3-Trichlorobenzene	180	21.725	21.729	-0.004	94	18297	0.1600	0.1733	
112 2-Methylnaphthalene	142	22.279	22.279	0.000	97	7874	0.1600	0.1501	
113 1-Methylnaphthalene	142	22.402	22.403	-0.001	99	13343	0.1600	0.1854	
A 115 C8 Range	1	14.812	(14.769-14.844)		0	118244	0.1600	0.1635	
S 116 Xylenes, Total	100				0		0.4800	0.4908	
S 117 1,2-Dichloroethene, Total	1				0		0.3200	0.3205	

QC Flag Legend

Processing Flags

Reagents:

40L4DQP_00024	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

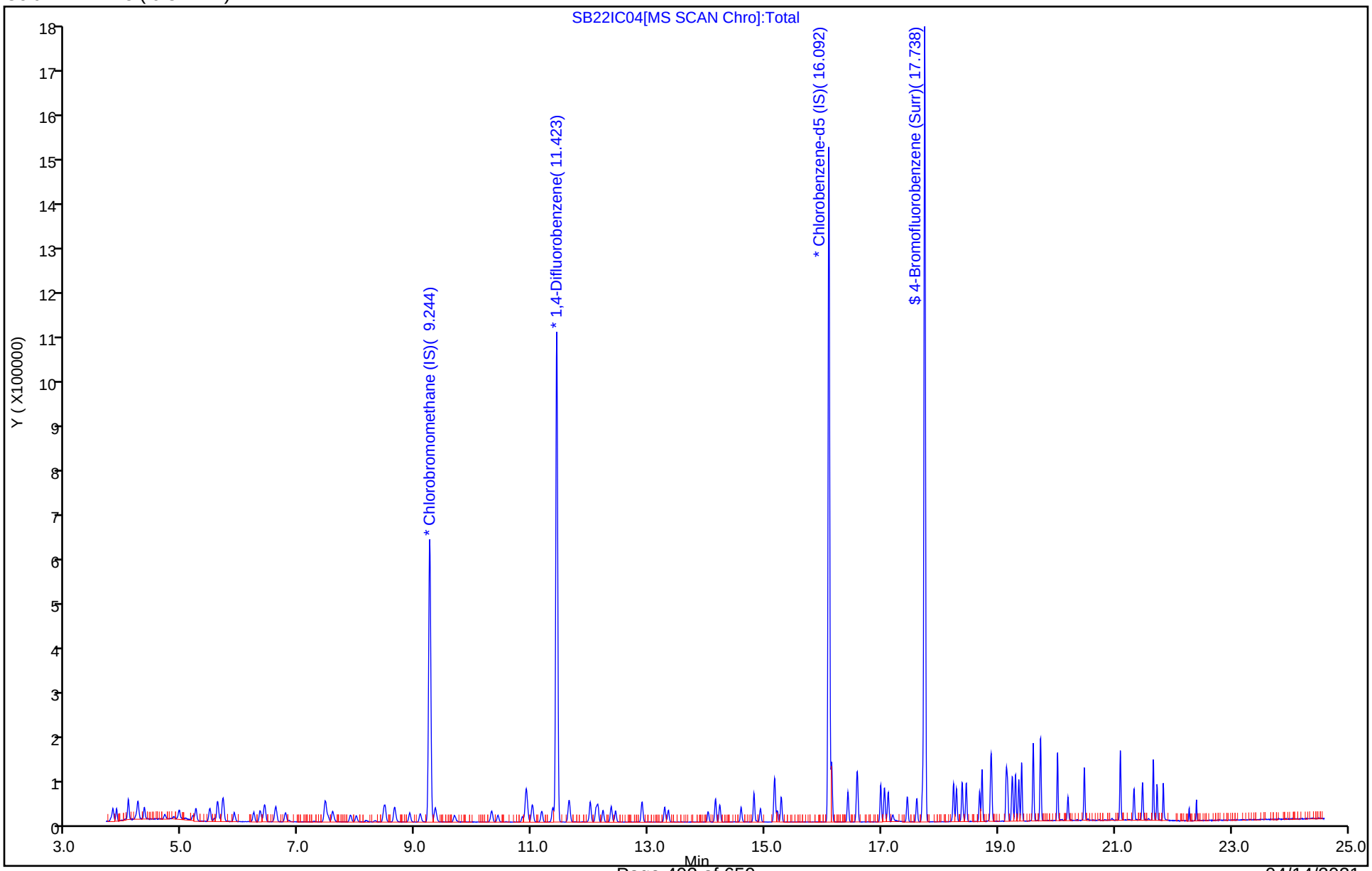
Report Date: 23-Feb-2021 08:35:08 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC04.D

Injection Date:	22-Feb-2021 19:53:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	IC L4			Worklist Smp#:	12
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

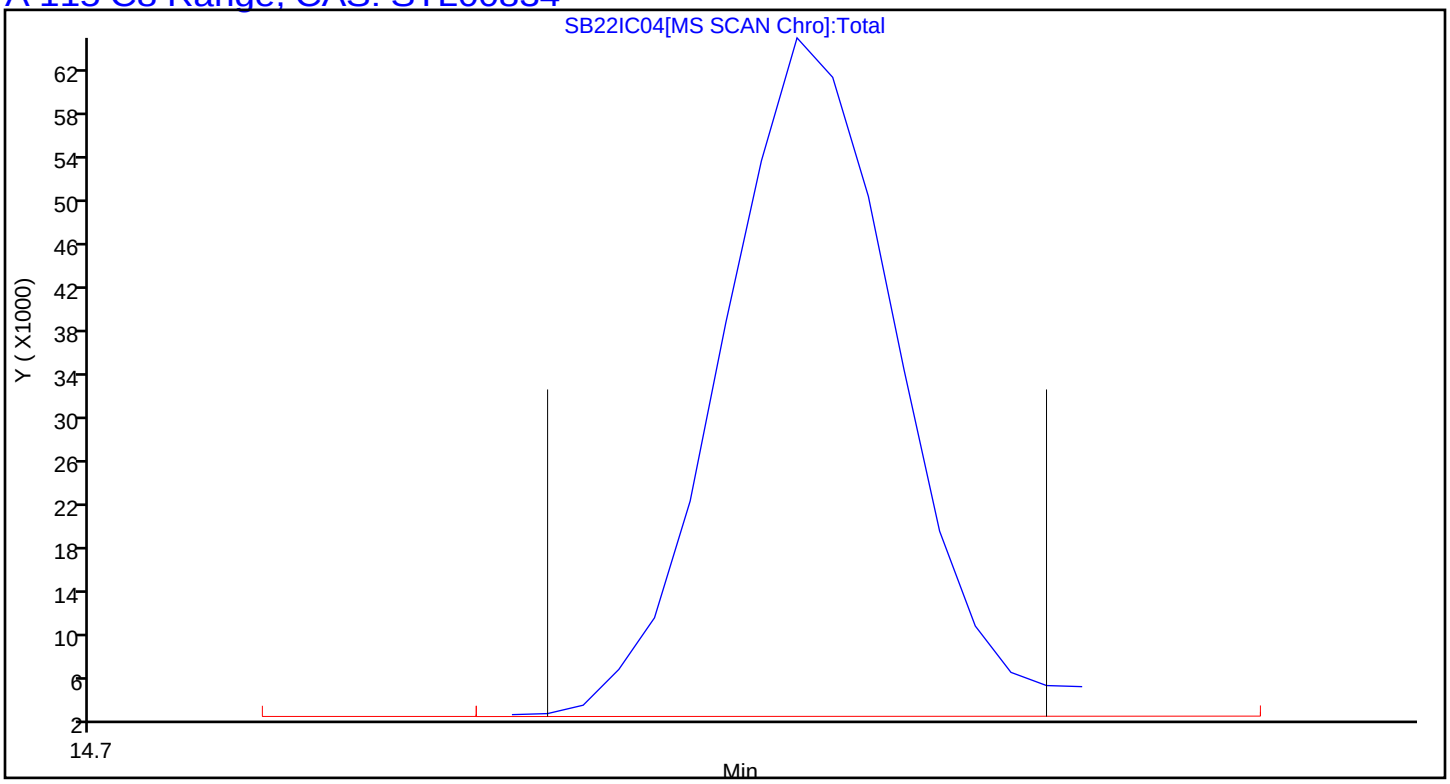


Report Date: 23-Feb-2021 08:35:08 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC04.D				
Injection Date:	22-Feb-2021 19:53:30	Instrument ID:	MS		
Lims ID:	IC L4				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	12
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC05.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 22-Feb-2021 20:39:30 ALS Bottle#: 14 Worklist Smp#: 13
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018286-013
Misc. Info.: 355964
Operator ID: HMT Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 23-Feb-2021 08:35:15 Calib Date: 22-Feb-2021 22:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: tajh Date: 23-Feb-2021 08:31:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.244	9.247	-0.003	98	199702	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.423	11.426	-0.003	95	1011017	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.092	16.095	-0.003	89	868458	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.738	17.739	-0.001	85	696817	4.64	4.61	
6 Chlorodifluoromethane	51	3.800	3.801	-0.001	97	45574	0.4000	0.4144	
7 Propene	41	3.816	3.814	0.002	99	22690	0.4000	0.4136	
8 Dichlorodifluoromethane	85	3.870	3.869	0.001	100	65455	0.4000	0.4068	
9 Chloromethane	52	4.069	4.067	0.002	57	7009	0.4000	0.4131	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.074	4.073	0.001	92	36089	0.4000	0.4136	
11 Acetaldehyde	44	4.236	4.234	0.002	97	49108	2.00	2.32	
12 Vinyl chloride	62	4.252	4.254	-0.002	99	19357	0.4000	0.3972	
13 Butadiene	54	4.349	4.348	0.001	68	16188	0.4000	0.4207	
14 Butane	43	4.349	4.348	0.001	85	30243	0.4000	0.4215	
15 Bromomethane	94	4.698	4.698	0.000	99	18097	0.4000	0.4076	
16 Chloroethane	64	4.849	4.851	-0.002	93	7602	0.4000	0.3973	
17 Ethanol	31	4.940	4.945	-0.005	94	42065	2.00	2.06	
18 Vinyl bromide	106	5.182	5.181	0.001	99	23571	0.4000	0.3967	
19 2-Methylbutane	43	5.231	5.231	0.000	93	34243	0.4000	0.4098	
20 Trichlorofluoromethane	101	5.468	5.470	-0.002	99	62349	0.4000	0.4067	
21 Acrolein	56	5.473	5.480	-0.007	32	8328	0.4000	0.3929	
22 Acetonitrile	40	5.543	5.551	-0.008	99	12942	0.4000	0.4125	
23 Acetone	58	5.597	5.601	-0.004	98	47321	1.20	1.29	
24 Isopropyl alcohol	45	5.677	5.685	-0.008	93	107164	1.20	1.18	
25 Pentane	72	5.704	5.706	-0.002	95	2849	0.4000	0.3867	
26 Ethyl ether	31	5.887	5.886	0.001	90	33482	0.4000	0.4038	
27 1,1-Dichloroethene	96	6.226	6.227	-0.001	95	25001	0.4000	0.4092	
29 2-Methyl-2-propanol	59	6.323	6.325	-0.002	94	40204	0.4000	0.3935	
28 Acrylonitrile	53	6.328	6.335	-0.007	67	20243	0.4000	0.3915	
30 112TCTFE	101	6.409	6.411	-0.002	93	53005	0.4000	0.4110	
31 Methylene Chloride	84	6.592	6.595	-0.003	97	25783	0.4000	0.4269	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.608	6.612	-0.004	94	24168	0.4000	0.4029	
33 Carbon disulfide	76	6.769	6.771	-0.002	98	78856	0.4000	0.3958	
34 trans-1,2-Dichloroethene	96	7.447	7.444	0.003	94	24575	0.4000	0.3991	
35 2-Methylpentane	43	7.458	7.461	-0.003	96	67531	0.4000	0.4106	
36 Methyl tert-butyl ether	73	7.571	7.573	-0.002	96	63519	0.4000	0.4103	
37 1,1-Dichloroethane	63	7.883	7.886	-0.003	99	52157	0.4000	0.4069	
38 Vinyl acetate	43	7.985	7.985	0.000	100	61935	0.4000	0.3862	
39 2-Butanone (MEK)	72	8.448	8.451	-0.003	97	12934	0.4000	0.3892	
40 Hexane	56	8.480	8.478	0.002	91	22198	0.4000	0.4179	
41 Isopropyl ether	45	8.631	8.636	-0.005	98	96954	0.4000	0.4066	
42 cis-1,2-Dichloroethene	96	8.905	8.905	0.000	97	26746	0.4000	0.3984	
43 Ethyl acetate	43	9.072	9.079	-0.007	98	65154	0.4000	0.4063	
44 Chloroform	83	9.249	9.257	-0.008	95	56430	0.4000	0.4032	
45 Tert-butyl ethyl ether	59	9.335	9.336	-0.001	98	80694	0.4000	0.4039	
46 Tetrahydrofuran	42	9.664	9.663	0.001	94	32358	0.4000	0.3985	
47 1,1,1-Trichloroethane	97	10.304	10.308	-0.004	97	51521	0.4000	0.3965	
48 1,2-Dichloroethane	62	10.417	10.417	0.000	97	37231	0.4000	0.4014	
49 n-Butanol	31	10.831	10.827	0.004	94	11768	0.4000	0.3731	
50 Cyclohexane	69	10.901	10.899	0.002	67	13557	0.4000	0.4229	
51 Benzene	78	10.896	10.899	-0.003	96	85081	0.4000	0.4064	
52 Carbon tetrachloride	117	10.917	10.920	-0.003	97	41056	0.4000	0.3678	
53 2,3-Dimethylpentane	71	11.003	11.007	-0.004	92	18039	0.4000	0.4120	
54 Thiophene	84	11.170	11.169	0.001	97	45990	0.4000	0.3991	
55 Isooctane	57	11.638	11.639	-0.001	97	142285	0.4000	0.4028	
56 n-Heptane	71	12.004	12.003	0.001	93	27284	0.4000	0.4129	
57 1,2-Dichloropropane	63	12.095	12.100	-0.005	94	35396	0.4000	0.3986	
58 Trichloroethene	130	12.133	12.132	0.001	93	31964	0.4000	0.3975	
59 Dibromomethane	93	12.219	12.220	-0.001	92	33595	0.4000	0.4141	
60 Dichlorobromomethane	83	12.359	12.359	0.000	98	52767	0.4000	0.3899	
61 1,4-Dioxane	88	12.370	12.365	0.005	39	12231	0.4000	0.3976	
62 Methyl methacrylate	41	12.434	12.433	0.001	94	36978	0.4000	0.3818	
63 Methylcyclohexane	83	12.886	12.888	-0.002	95	49525	0.4000	0.4036	
64 4-Methyl-2-pentanone (MIBK)	43	13.273	13.273	0.000	97	69390	0.4000	0.3883	
65 cis-1,3-Dichloropropene	75	13.343	13.341	0.002	95	43841	0.4000	0.3942	
66 trans-1,3-Dichloropropene	75	14.021	14.023	-0.002	99	36124	0.4000	0.3729	
67 Toluene	91	14.150	14.151	-0.001	92	100980	0.4000	0.4040	
68 1,1,2-Trichloroethane	83	14.220	14.222	-0.002	95	32315	0.4000	0.4042	
69 2-Hexanone	58	14.586	14.584	0.002	92	32303	0.4000	0.3927	
70 n-Octane	85	14.812	14.811	0.001	96	26051	0.4000	0.4051	
71 Chlorodibromomethane	129	14.919	14.920	-0.001	98	45472	0.4000	0.3785	
72 Ethylene Dibromide	107	15.210	15.211	-0.001	97	50813	0.4000	0.4002	
73 Tetrachloroethene	129	15.275	15.278	-0.003	92	33789	0.4000	0.3937	
74 2,3-Dimethylheptane	43	16.141	16.142	-0.001	94	105940	0.4000	0.4194	
75 Chlorobenzene	112	16.146	16.144	0.002	81	71210	0.4000	0.4098	
76 Ethylbenzene	91	16.420	16.422	-0.002	99	127692	0.4000	0.4032	
77 m-Xylene & p-Xylene	91	16.582	16.582	0.000	99	200536	0.8000	0.8094	
78 n-Nonane	57	16.985	16.985	0.000	95	69391	0.4000	0.4025	
79 Bromoform	173	17.044	17.046	-0.002	93	33890	0.4000	0.3251	
80 Styrene	104	17.050	17.051	-0.001	100	65030	0.4000	0.3895	
81 o-Xylene	91	17.114	17.113	0.001	98	107205	0.4000	0.4057	
82 1,1,2,2-Tetrachloroethane	83	17.443	17.440	0.002	98	77678	0.4000	0.3942	
83 1,2,3-Trichloropropane	110	17.604	17.602	0.002	97	15626	0.4000	0.3967	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.701	17.704	-0.003	97	133949	0.4000	0.3987	
85 N-Propylbenzene	120	18.233	18.236	-0.003	99	35907	0.4000	0.4035	
86 2-Chlorotoluene	126	18.282	18.286	-0.004	97	32522	0.4000	0.3903	
87 4-Ethyltoluene	105	18.384	18.381	0.003	98	135820	0.4000	0.3954	
88 1,3,5-Trimethylbenzene	120	18.454	18.453	0.001	91	51387	0.4000	0.3919	
89 Alpha Methyl Styrene	118	18.680	18.681	-0.001	88	50439	0.4000	0.3866	
90 n-Decane	57	18.723	18.724	-0.001	88	93949	0.4000	0.4103	
91 tert-Butylbenzene	119	18.873	18.874	-0.001	87	116427	0.4000	0.4016	
92 1,2,4-Trimethylbenzene	105	18.890	18.888	0.002	96	118358	0.4000	0.4046	
93 sec-Butylbenzene	105	19.137	19.139	-0.002	98	171089	0.4000	0.4044	
94 1,3-Dichlorobenzene	146	19.164	19.162	0.002	99	68256	0.4000	0.3938	
95 Benzyl chloride	91	19.234	19.234	0.000	96	67878	0.4000	0.3412	
96 1,4-Dichlorobenzene	146	19.245	19.246	-0.001	91	66483	0.4000	0.3894	
97 4-Isopropyltoluene	119	19.298	19.299	-0.001	96	133441	0.4000	0.4001	
98 1,2,3-Trimethylbenzene	105	19.358	19.356	0.002	99	120832	0.4000	0.4104	
99 Butylcyclohexane	83	19.401	19.403	-0.002	92	103682	0.4000	0.4072	
100 2,3-Dihydroindene	117	19.600	19.602	-0.002	93	109648	0.4000	0.4088	
101 1,2-Dichlorobenzene	146	19.605	19.606	-0.001	92	67950	0.4000	0.3994	
102 n-Butylbenzene	91	19.723	19.726	-0.003	96	149398	0.4000	0.4047	
103 Indene	116	19.729	19.731	-0.002	91	88207	0.4000	0.3957	
104 Undecane	57	20.019	20.019	0.000	96	105896	0.4000	0.4058	
105 1,2-Dibromo-3-Chloropropane	157	20.197	20.200	-0.003	87	24316	0.4000	0.3293	
106 1,2,4,5-Tetramethylbenzene	119	20.482	20.480	0.002	94	133472	0.4000	0.3922	
107 Dodecane	57	21.095	21.099	-0.004	95	105004	0.4000	0.3924	
108 1,2,4-Trichlorobenzene	180	21.332	21.332	0.000	94	42572	0.4000	0.3377	
109 Naphthalene	128	21.477	21.479	-0.002	99	119367	0.4000	0.3360	
110 Hexachlorobutadiene	225	21.665	21.666	-0.001	95	45348	0.4000	0.3980	
111 1,2,3-Trichlorobenzene	180	21.730	21.729	0.001	96	36005	0.4000	0.3497	
112 2-Methylnaphthalene	142	22.279	22.279	0.000	96	14213	0.4000	0.2778	
113 1-Methylnaphthalene	142	22.402	22.403	-0.001	97	22727	0.4000	0.3237	
A 115 C8 Range	1	14.807	(14.769-14.855)		0	289270	0.4000	0.4107	
S 116 Xylenes, Total	100				0		1.20	1.22	
S 117 1,2-Dichloroethene, Total	1				0		0.8000	0.7975	

QC Flag Legend

Processing Flags

Reagents:

40L5DQP_00024	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

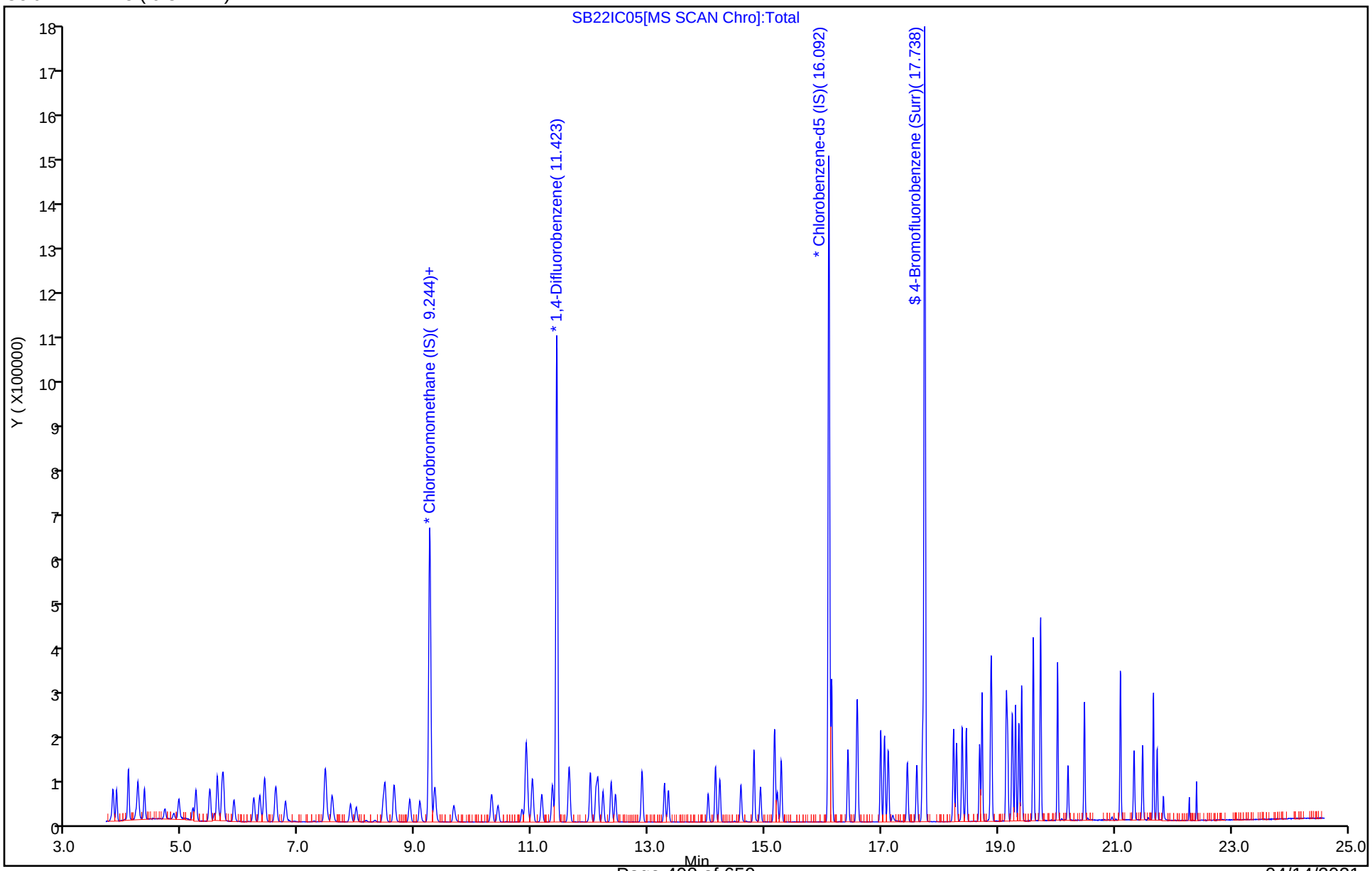
Report Date: 23-Feb-2021 08:35:15 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC05.D

Injection Date:	22-Feb-2021 20:39:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	IC L5			Worklist Smp#:	13
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

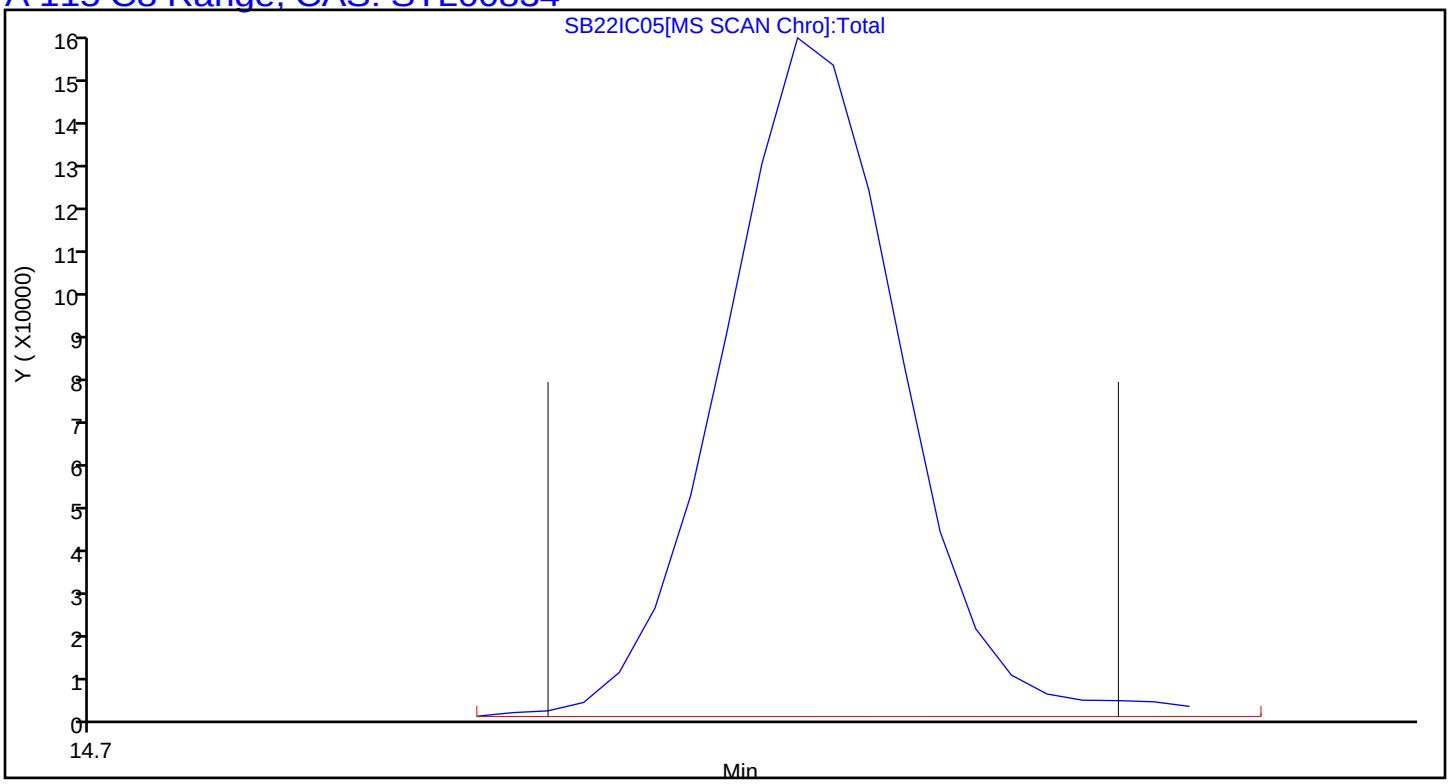


Report Date: 23-Feb-2021 08:35:15 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC05.D				
Injection Date:	22-Feb-2021 20:39:30	Instrument ID:	MS		
Lims ID:	IC L5				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	13
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC06.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 22-Feb-2021 21:26:30 ALS Bottle#: 15 Worklist Smp#: 14
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018286-014
Misc. Info.: 355963
Operator ID: HMT Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 23-Feb-2021 08:35:23 Calib Date: 22-Feb-2021 22:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: tajh Date: 23-Feb-2021 08:31:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.244	9.247	-0.003	98	197147	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.423	11.426	-0.003	95	994525	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.093	16.095	-0.002	89	852020	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.739	17.739	0.000	85	683372	4.64	4.61	
6 Chlorodifluoromethane	51	3.800	3.801	-0.001	96	108915	1.00	1.00	
7 Propene	41	3.811	3.814	-0.003	98	56077	1.00	1.04	
8 Dichlorodifluoromethane	85	3.870	3.869	0.001	100	161788	1.00	1.02	
9 Chloromethane	52	4.069	4.067	0.002	99	17401	1.00	1.04	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.075	4.073	0.002	92	88583	1.00	1.03	
11 Acetaldehyde	44	4.231	4.234	-0.003	98	133418	5.00	6.38	
12 Vinyl chloride	62	4.252	4.254	-0.002	98	49475	1.00	1.03	
13 Butadiene	54	4.349	4.348	0.001	68	41011	1.00	1.08	
14 Butane	43	4.349	4.348	0.001	86	73911	1.00	1.04	
15 Bromomethane	94	4.699	4.698	0.001	98	43820	1.00	1.00	
16 Chloroethane	64	4.855	4.851	0.004	96	19249	1.00	1.02	
17 Ethanol	31	4.941	4.945	-0.004	94	104620	5.00	5.37	
18 Vinyl bromide	106	5.183	5.181	0.002	98	58748	1.00	1.00	
19 2-Methylbutane	43	5.231	5.231	0.000	94	83167	1.00	1.01	
20 Trichlorofluoromethane	101	5.468	5.470	-0.002	99	156102	1.00	1.03	
21 Acrolein	56	5.479	5.480	-0.001	92	21412	1.00	1.02	
22 Acetonitrile	40	5.549	5.551	-0.002	99	31700	1.00	1.02	
23 Acetone	58	5.597	5.601	-0.004	98	136973	3.00	3.77	
24 Isopropyl alcohol	45	5.672	5.685	-0.013	95	278915	3.00	3.10	
25 Pentane	72	5.705	5.706	-0.001	97	7293	1.00	1.00	
26 Ethyl ether	31	5.877	5.886	-0.009	92	84699	1.00	1.03	
27 1,1-Dichloroethene	96	6.226	6.227	-0.001	95	62453	1.00	1.04	
29 2-Methyl-2-propanol	59	6.312	6.325	-0.013	94	103886	1.00	1.03	
28 Acrylonitrile	53	6.329	6.335	-0.006	93	51651	1.00	1.01	
30 112TCTFE	101	6.409	6.411	-0.002	94	131864	1.00	1.04	
31 Methylene Chloride	84	6.598	6.595	0.003	98	62024	1.00	1.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.614	6.612	0.002	93	59503	1.00	1.00	
33 Carbon disulfide	76	6.770	6.771	-0.001	98	193296	1.00	0.9829	
34 trans-1,2-Dichloroethene	96	7.442	7.444	-0.002	95	63044	1.00	1.04	
35 2-Methylpentane	43	7.458	7.461	-0.003	96	166239	1.00	1.02	
36 Methyl tert-butyl ether	73	7.561	7.573	-0.013	97	157044	1.00	1.03	
37 1,1-Dichloroethane	63	7.883	7.886	-0.003	99	128211	1.00	1.01	
38 Vinyl acetate	43	7.980	7.985	-0.005	100	149859	1.00	0.9465	
39 2-Butanone (MEK)	72	8.437	8.451	-0.014	98	34902	1.00	1.06	
40 Hexane	56	8.480	8.478	0.002	92	54100	1.00	1.03	
41 Isopropyl ether	45	8.631	8.636	-0.005	98	242832	1.00	1.03	
42 cis-1,2-Dichloroethene	96	8.900	8.905	-0.005	98	66605	1.00	1.01	
43 Ethyl acetate	43	9.072	9.079	-0.007	99	160338	1.00	1.01	
44 Chloroform	83	9.255	9.257	-0.002	95	138834	1.00	1.00	
45 Tert-butyl ethyl ether	59	9.325	9.336	-0.011	97	202100	1.00	1.02	
46 Tetrahydrofuran	42	9.653	9.663	-0.010	94	80882	1.00	1.01	
47 1,1,1-Trichloroethane	97	10.304	10.308	-0.004	97	129087	1.00	1.01	
48 1,2-Dichloroethane	62	10.417	10.417	0.000	97	90976	1.00	1.00	
49 n-Butanol	31	10.821	10.827	-0.006	91	30474	1.00	0.9823	
51 Benzene	78	10.896	10.899	-0.003	97	208428	1.00	1.01	
50 Cyclohexane	69	10.896	10.899	-0.003	87	32606	1.00	1.03	
52 Carbon tetrachloride	117	10.917	10.920	-0.003	97	114760	1.00	1.05	
53 2,3-Dimethylpentane	71	11.003	11.007	-0.004	93	44365	1.00	1.03	
54 Thiophene	84	11.165	11.169	-0.004	97	116102	1.00	1.02	
55 Isooctane	57	11.638	11.639	-0.001	97	351440	1.00	1.01	
56 n-Heptane	71	12.004	12.003	0.001	93	67817	1.00	1.04	
57 1,2-Dichloropropane	63	12.101	12.100	0.001	96	89519	1.00	1.02	
58 Trichloroethene	130	12.133	12.132	0.001	93	80395	1.00	1.02	
59 Dibromomethane	93	12.219	12.220	-0.001	91	81288	1.00	1.02	
60 Dichlorobromomethane	83	12.359	12.359	0.000	99	136767	1.00	1.03	
61 1,4-Dioxane	88	12.359	12.365	-0.006	41	30236	1.00	1.00	
62 Methyl methacrylate	41	12.429	12.433	-0.004	92	95731	1.00	1.00	
63 Methylcyclohexane	83	12.886	12.888	-0.002	95	124138	1.00	1.03	
64 4-Methyl-2-pentanone (MIBK)	43	13.268	13.273	-0.005	97	178009	1.00	1.01	
65 cis-1,3-Dichloropropene	75	13.338	13.341	-0.003	95	111516	1.00	1.02	
66 trans-1,3-Dichloropropene	75	14.021	14.023	-0.002	98	97983	1.00	1.03	
67 Toluene	91	14.150	14.151	-0.001	92	249779	1.00	1.02	
68 1,1,2-Trichloroethane	83	14.220	14.222	-0.002	95	79633	1.00	1.02	
69 2-Hexanone	58	14.581	14.584	-0.003	92	84287	1.00	1.04	
70 n-Octane	85	14.807	14.811	-0.004	96	67779	1.00	1.07	
71 Chlorodibromomethane	129	14.920	14.920	0.000	98	126097	1.00	1.07	
72 Ethylene Dibromide	107	15.210	15.211	-0.001	99	128000	1.00	1.03	
73 Tetrachloroethene	129	15.275	15.278	-0.003	92	84980	1.00	1.01	
74 2,3-Dimethylheptane	43	16.141	16.142	-0.001	94	264422	1.00	1.07	
75 Chlorobenzene	112	16.141	16.144	-0.003	80	177552	1.00	1.04	
76 Ethylbenzene	91	16.421	16.422	-0.001	99	313858	1.00	1.01	
77 m-Xylene & p-Xylene	91	16.582	16.582	0.000	99	500800	2.00	2.06	
78 n-Nonane	57	16.986	16.985	0.001	95	177266	1.00	1.05	
79 Bromoform	173	17.045	17.046	-0.001	93	108853	1.00	1.06	
80 Styrene	104	17.050	17.051	-0.001	99	172139	1.00	1.05	
81 o-Xylene	91	17.109	17.113	-0.004	98	261139	1.00	1.01	
82 1,1,2,2-Tetrachloroethane	83	17.437	17.440	-0.003	98	195632	1.00	1.01	
83 1,2,3-Trichloropropane	110	17.604	17.602	0.002	98	40633	1.00	1.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.701	17.704	-0.003	95	333751	1.00	1.01	
85 N-Propylbenzene	120	18.234	18.236	-0.002	98	89889	1.00	1.03	
86 2-Chlorotoluene	126	18.282	18.286	-0.004	97	82815	1.00	1.01	
87 4-Ethyltoluene	105	18.379	18.381	-0.002	99	347678	1.00	1.03	
88 1,3,5-Trimethylbenzene	120	18.454	18.453	0.001	91	132710	1.00	1.03	
89 Alpha Methyl Styrene	118	18.680	18.681	-0.001	86	134114	1.00	1.05	
90 n-Decane	57	18.723	18.724	-0.001	88	235938	1.00	1.05	
91 tert-Butylbenzene	119	18.874	18.874	0.000	90	294876	1.00	1.04	
92 1,2,4-Trimethylbenzene	105	18.885	18.888	-0.004	96	300907	1.00	1.05	
93 sec-Butylbenzene	105	19.137	19.139	-0.002	98	427954	1.00	1.03	
94 1,3-Dichlorobenzene	146	19.159	19.162	-0.003	99	174292	1.00	1.02	
95 Benzyl chloride	91	19.234	19.234	0.000	97	207714	1.00	1.06	
96 1,4-Dichlorobenzene	146	19.245	19.246	-0.001	93	171136	1.00	1.02	
97 4-Isopropyltoluene	119	19.299	19.299	0.000	96	336572	1.00	1.03	
98 1,2,3-Trimethylbenzene	105	19.353	19.356	-0.003	99	303008	1.00	1.09	
99 Butylcyclohexane	83	19.401	19.403	-0.002	93	259739	1.00	1.04	
100 2,3-Dihydroindene	117	19.600	19.602	-0.002	93	279971	1.00	1.06	
101 1,2-Dichlorobenzene	146	19.605	19.606	-0.001	94	175187	1.00	1.05	
102 n-Butylbenzene	91	19.724	19.726	-0.002	96	380161	1.00	1.05	
103 Indene	116	19.729	19.731	-0.002	88	235012	1.00	1.07	
104 Undecane	57	20.020	20.019	0.001	96	273214	1.00	1.07	
105 1,2-Dibromo-3-Chloropropane	157	20.197	20.200	-0.003	89	75656	1.00	1.04	
106 1,2,4,5-Tetramethylbenzene	119	20.477	20.480	-0.003	95	337144	1.00	1.01	
107 Dodecane	57	21.096	21.099	-0.003	95	289090	1.00	1.10	
108 1,2,4-Trichlorobenzene	180	21.332	21.332	0.000	94	123648	1.00	1.00	
109 Naphthalene	128	21.477	21.479	-0.002	99	332787	1.00	0.9550	
110 Hexachlorobutadiene	225	21.666	21.666	0.000	95	113436	1.00	1.01	
111 1,2,3-Trichlorobenzene	180	21.730	21.729	0.001	96	99142	1.00	0.9814	
112 2-Methylnaphthalene	142	22.279	22.279	0.000	97	48897	1.00	0.9742	
113 1-Methylnaphthalene	142	22.403	22.403	0.000	99	68415	1.00	0.99	
A 115 C8 Range	1	14.812	(14.758-14.855)		0	766165	1.00	1.11	
S 116 Xylenes, Total	100				0		3.00	3.07	
S 117 1,2-Dichloroethene, Total	1				0		2.00	2.04	

QC Flag Legend

Processing Flags

Reagents:

40L6DQP_00023	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

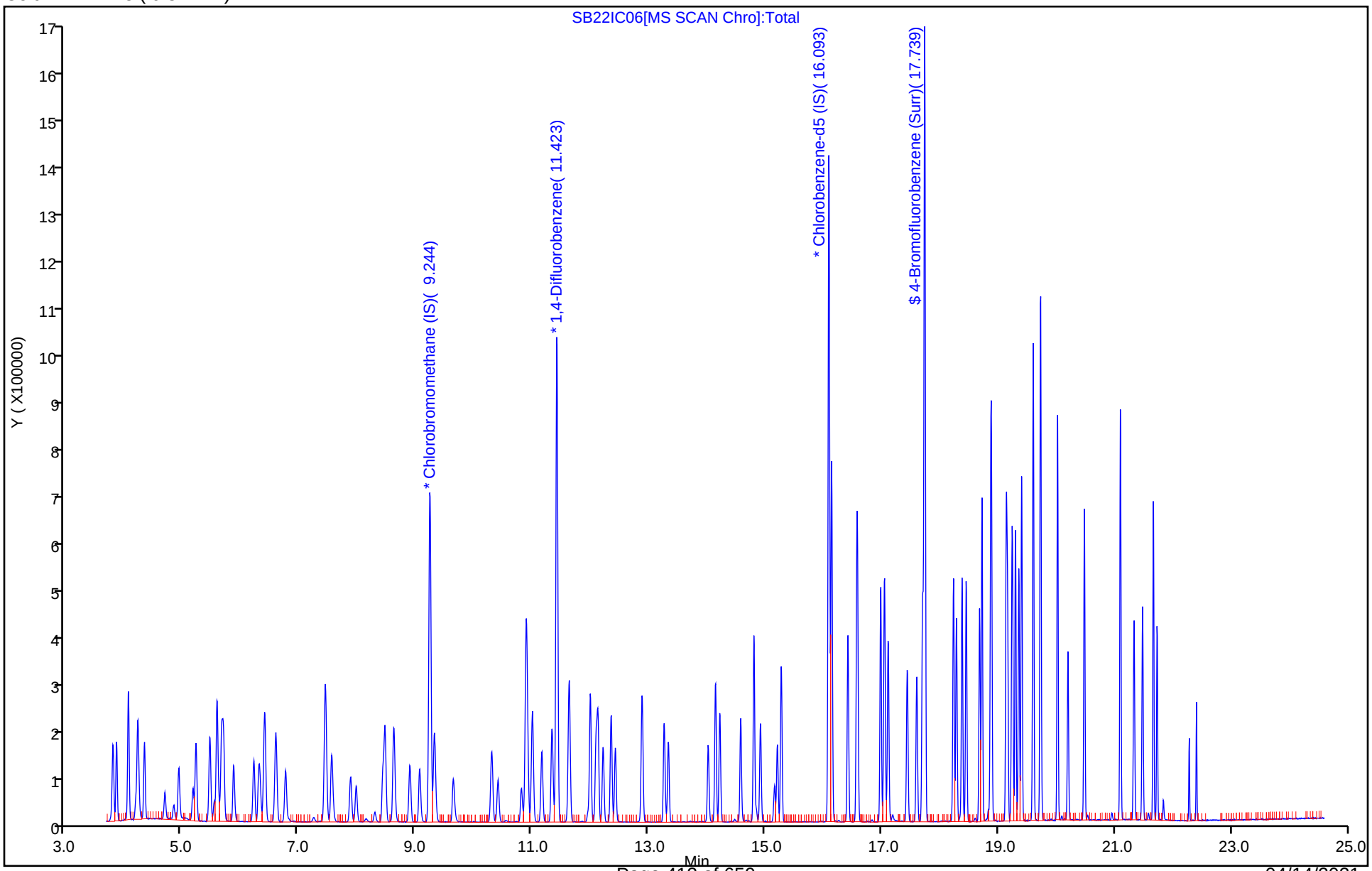
Report Date: 23-Feb-2021 08:35:24 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC06.D

Injection Date:	22-Feb-2021 21:26:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	IC L6			Worklist Smp#:	14
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

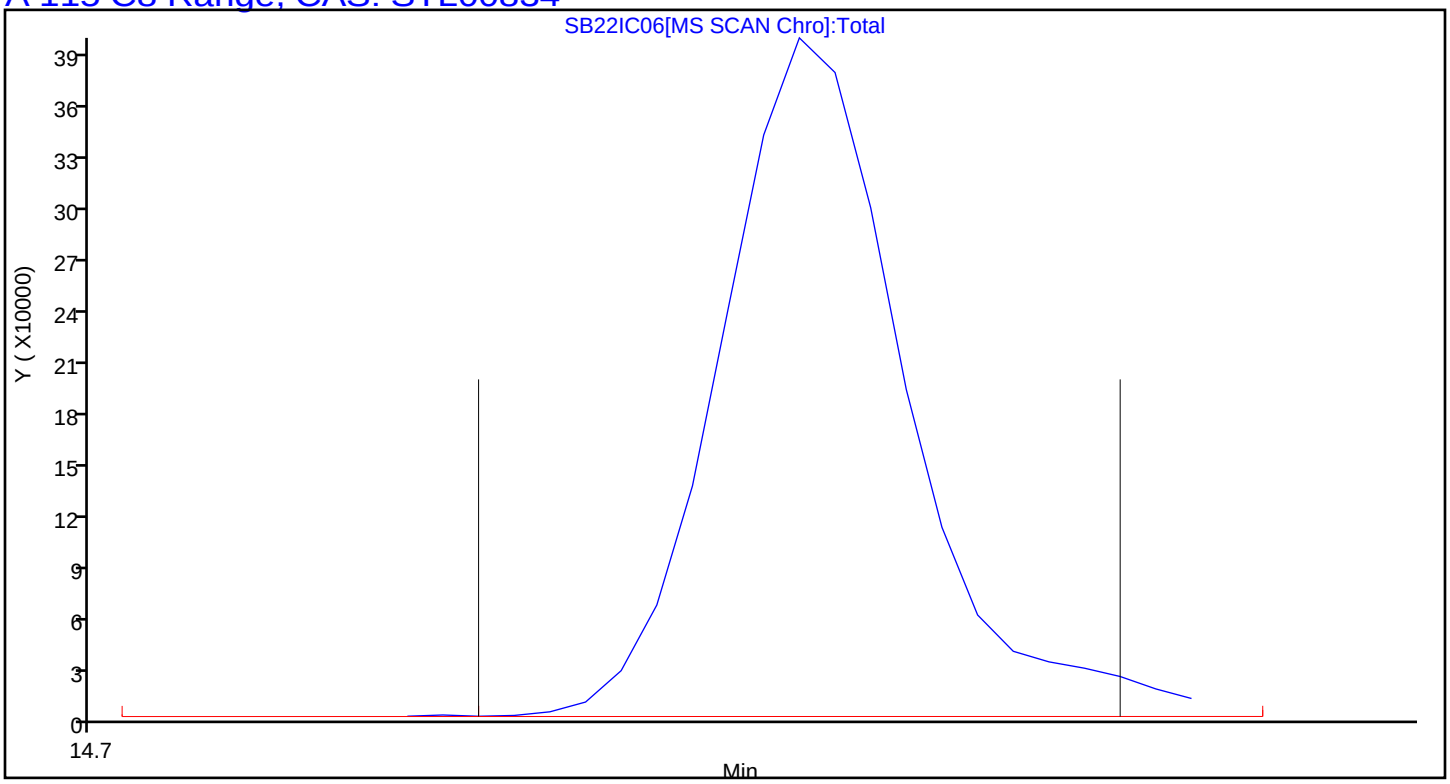


Report Date: 23-Feb-2021 08:35:24 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC06.D				
Injection Date:	22-Feb-2021 21:26:30	Instrument ID:	MS		
Lims ID:	IC L6				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	14
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D
Lims ID: ICIS L7
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 22-Feb-2021 22:12:30 ALS Bottle#: 16 Worklist Smp#: 15
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018286-015
Misc. Info.: 355834
Operator ID: HMT Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 23-Feb-2021 08:35:31 Calib Date: 22-Feb-2021 22:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: tajh Date: 23-Feb-2021 06:41:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.244	9.247	-0.003	97	198883	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.428	11.426	0.002	96	991921	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.098	16.095	0.003	88	855224	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.738	17.739	-0.001	85	693012	4.64	4.66	
6 Chlorodifluoromethane	51	3.805	3.801	0.004	96	222317	2.00	2.03	
7 Propene	41	3.816	3.814	0.002	99	111718	2.00	2.04	
8 Dichlorodifluoromethane	85	3.870	3.869	0.001	100	325985	2.00	2.03	
9 Chloromethane	52	4.069	4.067	0.002	98	34900	2.00	2.07	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.074	4.073	0.001	93	180344	2.00	2.08	
11 Acetaldehyde	44	4.236	4.234	0.002	98	215768	10.0	10.2	
12 Vinyl chloride	62	4.257	4.254	0.003	98	100364	2.00	2.07	
13 Butadiene	54	4.349	4.348	0.001	69	80321	2.00	2.10	
14 Butane	43	4.349	4.348	0.001	85	147720	2.00	2.07	
15 Bromomethane	94	4.698	4.698	0.000	99	88665	2.00	2.01	
16 Chloroethane	64	4.854	4.851	0.003	95	37869	2.00	1.99	
17 Ethanol	31	4.940	4.945	-0.005	93	215534	10.0	11.1	
18 Vinyl bromide	106	5.182	5.181	0.001	99	119776	2.00	2.02	
19 2-Methylbutane	43	5.236	5.231	0.005	94	167688	2.00	2.02	
20 Trichlorofluoromethane	101	5.473	5.470	0.003	99	317528	2.00	2.08	
21 Acrolein	56	5.484	5.480	0.004	92	42804	2.00	2.03	
22 Acetonitrile	40	5.548	5.551	-0.003	99	62859	2.00	2.01	
23 Acetone	58	5.591	5.601	-0.010	98	205480	6.00	5.61	
24 Isopropyl alcohol	45	5.672	5.685	-0.013	95	579641	6.00	6.39	
25 Pentane	72	5.710	5.706	0.004	96	16217	2.00	2.21	
26 Ethyl ether	31	5.876	5.886	-0.010	92	169799	2.00	2.06	
27 1,1-Dichloroethene	96	6.226	6.227	-0.001	94	125489	2.00	2.06	
29 2-Methyl-2-propanol	59	6.307	6.325	-0.018	95	218439	2.00	2.15	
28 Acrylonitrile	53	6.334	6.335	-0.001	94	104448	2.00	2.03	
30 112TCTFE	101	6.409	6.411	-0.002	96	267085	2.00	2.08	
31 Methylene Chloride	84	6.597	6.595	0.002	99	123524	2.00	2.05	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.613	6.612	0.001	93	122349	2.00	2.05	
33 Carbon disulfide	76	6.769	6.771	-0.002	98	388830	2.00	1.96	
34 trans-1,2-Dichloroethene	96	7.447	7.444	0.003	95	125489	2.00	2.05	
35 2-Methylpentane	43	7.458	7.461	-0.003	96	335454	2.00	2.05	
36 Methyl tert-butyl ether	73	7.560	7.573	-0.013	96	323026	2.00	2.10	
37 1,1-Dichloroethane	63	7.888	7.886	0.002	99	259195	2.00	2.03	
38 Vinyl acetate	43	7.985	7.985	0.000	100	314740	2.00	1.97	
39 2-Butanone (MEK)	72	8.442	8.451	-0.009	98	64454	2.00	1.95	
40 Hexane	56	8.480	8.478	0.002	93	107873	2.00	2.04	
41 Isopropyl ether	45	8.625	8.636	-0.011	98	490080	2.00	2.06	
42 cis-1,2-Dichloroethene	96	8.905	8.905	0.000	98	134655	2.00	2.01	
43 Ethyl acetate	43	9.072	9.079	-0.007	99	325641	2.00	2.04	
44 Chloroform	83	9.255	9.257	-0.002	95	281129	2.00	2.02	
45 Tert-butyl ethyl ether	59	9.319	9.336	-0.017	97	413611	2.00	2.08	
46 Tetrahydrofuran	42	9.648	9.663	-0.015	94	165348	2.00	2.04	
47 1,1,1-Trichloroethane	97	10.309	10.308	0.001	97	261547	2.00	2.02	
48 1,2-Dichloroethane	62	10.422	10.417	0.005	97	185049	2.00	2.03	
49 n-Butanol	31	10.815	10.827	-0.012	91	64268	2.00	2.08	
50 Cyclohexane	69	10.901	10.899	0.002	67	66395	2.00	2.11	
51 Benzene	78	10.901	10.899	0.002	96	417446	2.00	2.03	
52 Carbon tetrachloride	117	10.922	10.920	0.002	97	253518	2.00	2.31	
53 2,3-Dimethylpentane	71	11.009	11.007	0.002	93	88648	2.00	2.06	
54 Thiophene	84	11.170	11.169	0.001	97	232867	2.00	2.06	
55 Isooctane	57	11.638	11.639	-0.001	98	717462	2.00	2.07	
56 n-Heptane	71	12.004	12.003	0.001	94	134909	2.00	2.08	
57 1,2-Dichloropropane	63	12.101	12.100	0.001	95	179603	2.00	2.06	
58 Trichloroethene	130	12.133	12.132	0.001	93	160191	2.00	2.03	
59 Dibromomethane	93	12.219	12.220	-0.001	92	165446	2.00	2.08	
60 Dichlorobromomethane	83	12.359	12.359	0.000	99	281334	2.00	2.12	
61 1,4-Dioxane	88	12.353	12.365	-0.012	94	64077	2.00	2.12	
62 Methyl methacrylate	41	12.429	12.433	-0.004	92	197907	2.00	2.08	
63 Methylcyclohexane	83	12.891	12.888	0.003	95	250031	2.00	2.08	
64 4-Methyl-2-pentanone (MIBK)	43	13.263	13.273	-0.010	97	359644	2.00	2.05	
65 cis-1,3-Dichloropropene	75	13.338	13.341	-0.003	95	231904	2.00	2.13	
66 trans-1,3-Dichloropropene	75	14.021	14.023	-0.002	98	205380	2.00	2.15	
67 Toluene	91	14.150	14.151	-0.001	92	503454	2.00	2.05	
68 1,1,2-Trichloroethane	83	14.226	14.222	0.004	95	161060	2.00	2.05	
69 2-Hexanone	58	14.581	14.584	-0.003	92	175481	2.00	2.17	
70 n-Octane	85	14.812	14.811	0.001	96	135209	2.00	2.14	
71 Chlorodibromomethane	129	14.919	14.920	-0.001	98	265191	2.00	2.24	
72 Ethylene Dibromide	107	15.210	15.211	-0.001	98	258318	2.00	2.07	
73 Tetrachloroethene	129	15.280	15.278	0.002	93	168043	2.00	1.99	
74 2,3-Dimethylheptane	43	16.141	16.142	-0.001	94	525514	2.00	2.11	
75 Chlorobenzene	112	16.141	16.144	-0.003	79	351243	2.00	2.05	
76 Ethylbenzene	91	16.420	16.422	-0.002	99	636313	2.00	2.04	
77 m-Xylene & p-Xylene	91	16.582	16.582	0.000	99	1002101	4.00	4.11	
78 n-Nonane	57	16.985	16.985	0.000	95	359496	2.00	2.12	
79 Bromoform	173	17.044	17.046	-0.002	93	232814	2.00	2.27	
80 Styrene	104	17.050	17.051	-0.001	99	356833	2.00	2.17	
81 o-Xylene	91	17.114	17.113	0.001	98	528730	2.00	2.03	
82 1,1,2,2-Tetrachloroethane	83	17.443	17.440	0.002	98	409265	2.00	2.11	
83 1,2,3-Trichloropropane	110	17.604	17.602	0.002	98	83696	2.00	2.16	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.706	17.704	0.002	95	678606	2.00	2.05	
85 N-Propylbenzene	120	18.233	18.236	-0.003	98	182858	2.00	2.09	
86 2-Chlorotoluene	126	18.287	18.286	0.001	97	168017	2.00	2.05	
87 4-Ethyltoluene	105	18.384	18.381	0.003	99	709634	2.00	2.10	
88 1,3,5-Trimethylbenzene	120	18.454	18.453	0.001	91	265654	2.00	2.06	
89 Alpha Methyl Styrene	118	18.680	18.681	-0.001	87	284496	2.00	2.21	
90 n-Decane	57	18.723	18.724	-0.001	88	473481	2.00	2.10	
91 tert-Butylbenzene	119	18.873	18.874	-0.001	88	593819	2.00	2.08	
92 1,2,4-Trimethylbenzene	105	18.890	18.888	0.002	97	599162	2.00	2.08	
93 sec-Butylbenzene	105	19.137	19.139	-0.002	98	867932	2.00	2.08	
94 1,3-Dichlorobenzene	146	19.164	19.162	0.002	99	349966	2.00	2.05	
95 Benzyl chloride	91	19.234	19.234	0.000	97	453213	2.00	2.31	
96 1,4-Dichlorobenzene	146	19.245	19.246	-0.001	93	345210	2.00	2.05	
97 4-Isopropyltoluene	119	19.298	19.299	-0.001	96	681156	2.00	2.07	
98 1,2,3-Trimethylbenzene	105	19.358	19.356	0.002	99	613884	2.00	2.23	
99 Butylcyclohexane	83	19.406	19.403	0.003	93	520053	2.00	2.07	
100 2,3-Dihydroindene	117	19.600	19.602	-0.002	93	560155	2.00	2.12	
101 1,2-Dichlorobenzene	146	19.605	19.606	-0.001	95	347102	2.00	2.07	
102 n-Butylbenzene	91	19.729	19.726	0.003	96	757601	2.00	2.08	
103 Indene	116	19.729	19.731	-0.002	93	476661	2.00	2.17	
104 Undecane	57	20.019	20.019	0.000	96	545198	2.00	2.12	
105 1,2-Dibromo-3-Chloropropane	157	20.202	20.200	0.002	92	154183	2.00	2.12	
106 1,2,4,5-Tetramethylbenzene	119	20.482	20.480	0.002	95	672187	2.00	2.01	
107 Dodecane	57	21.101	21.099	0.002	95	550882	2.00	2.09	
108 1,2,4-Trichlorobenzene	180	21.332	21.332	0.000	94	247982	2.00	2.00	
109 Naphthalene	128	21.477	21.479	-0.002	99	627589	2.00	1.79	
110 Hexachlorobutadiene	225	21.665	21.666	-0.001	96	216776	2.00	1.93	
111 1,2,3-Trichlorobenzene	180	21.730	21.729	0.001	95	187716	2.00	1.85	
112 2-Methylnaphthalene	142	22.279	22.279	0.000	98	90046	2.00	1.79	
113 1-Methylnaphthalene	142	22.402	22.403	-0.001	98	118169	2.00	1.71	
A 115 C8 Range	1	14.812	(14.763-14.860)		0	1441631	2.00	2.09	
S 116 Xylenes, Total	100				0		6.00	6.14	
S 117 1,2-Dichloroethene, Total	1				0		4.00	4.06	

QC Flag Legend

Processing Flags

Reagents:

40L7DQP_00023	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

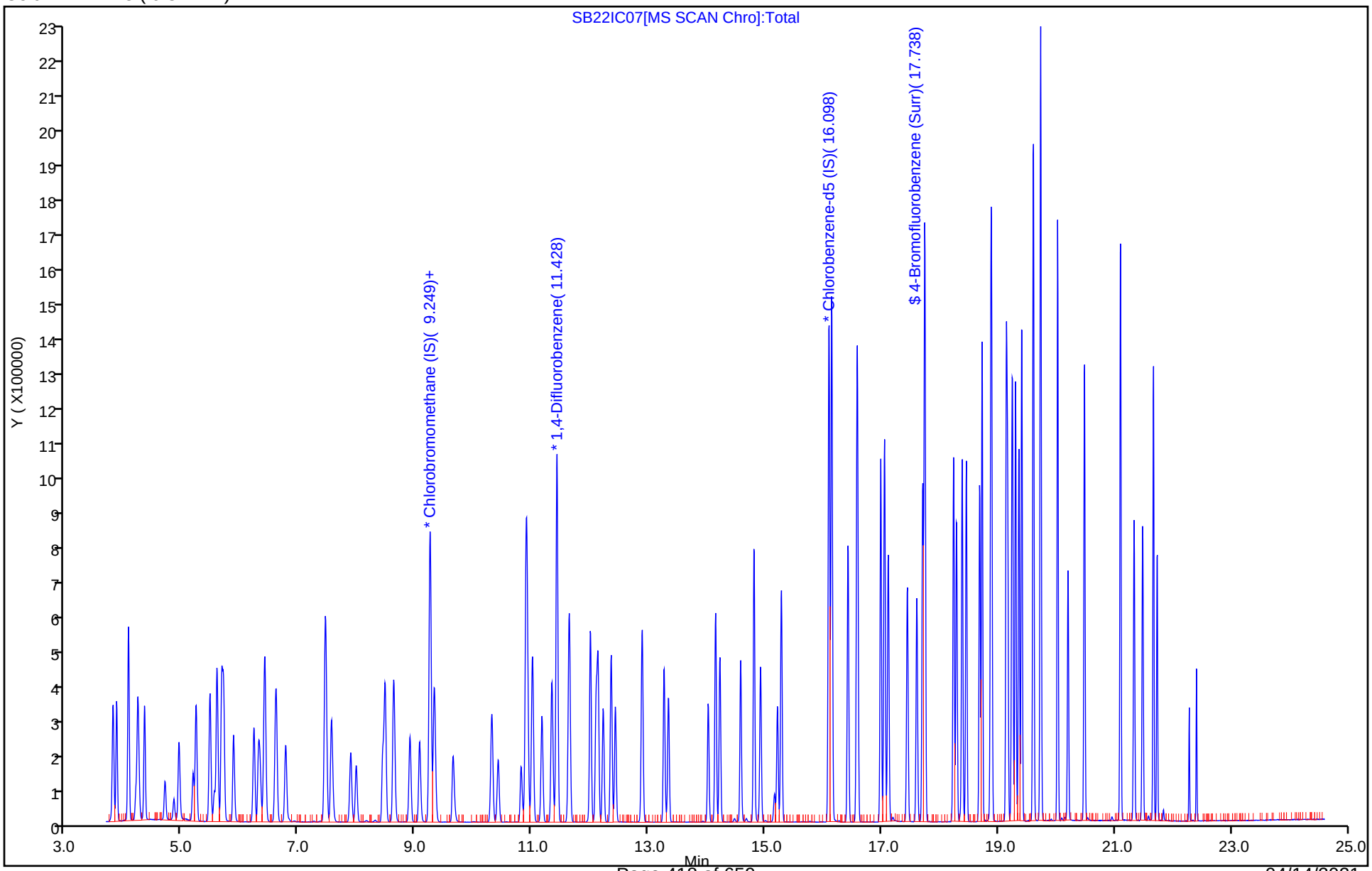
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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Injection Date:	22-Feb-2021 22:12:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	ICIS L7			Worklist Smp#:	15
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

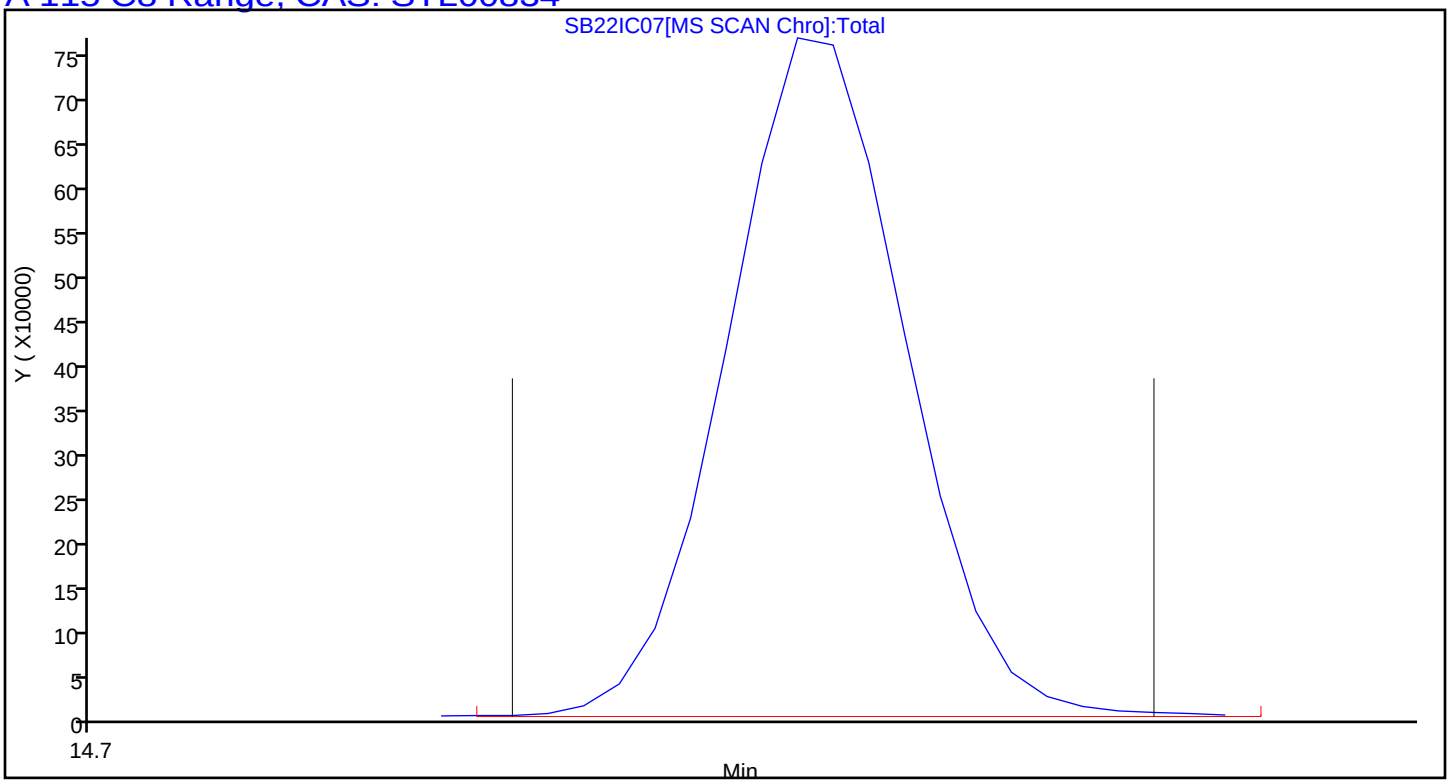


Report Date: 23-Feb-2021 08:35:32 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D				
Injection Date:	22-Feb-2021 22:12:30	Instrument ID:	MS		
Lims ID:	ICIS L7				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	16	Worklist Smp#:	15
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 115 C8 Range, CAS: STL00834



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

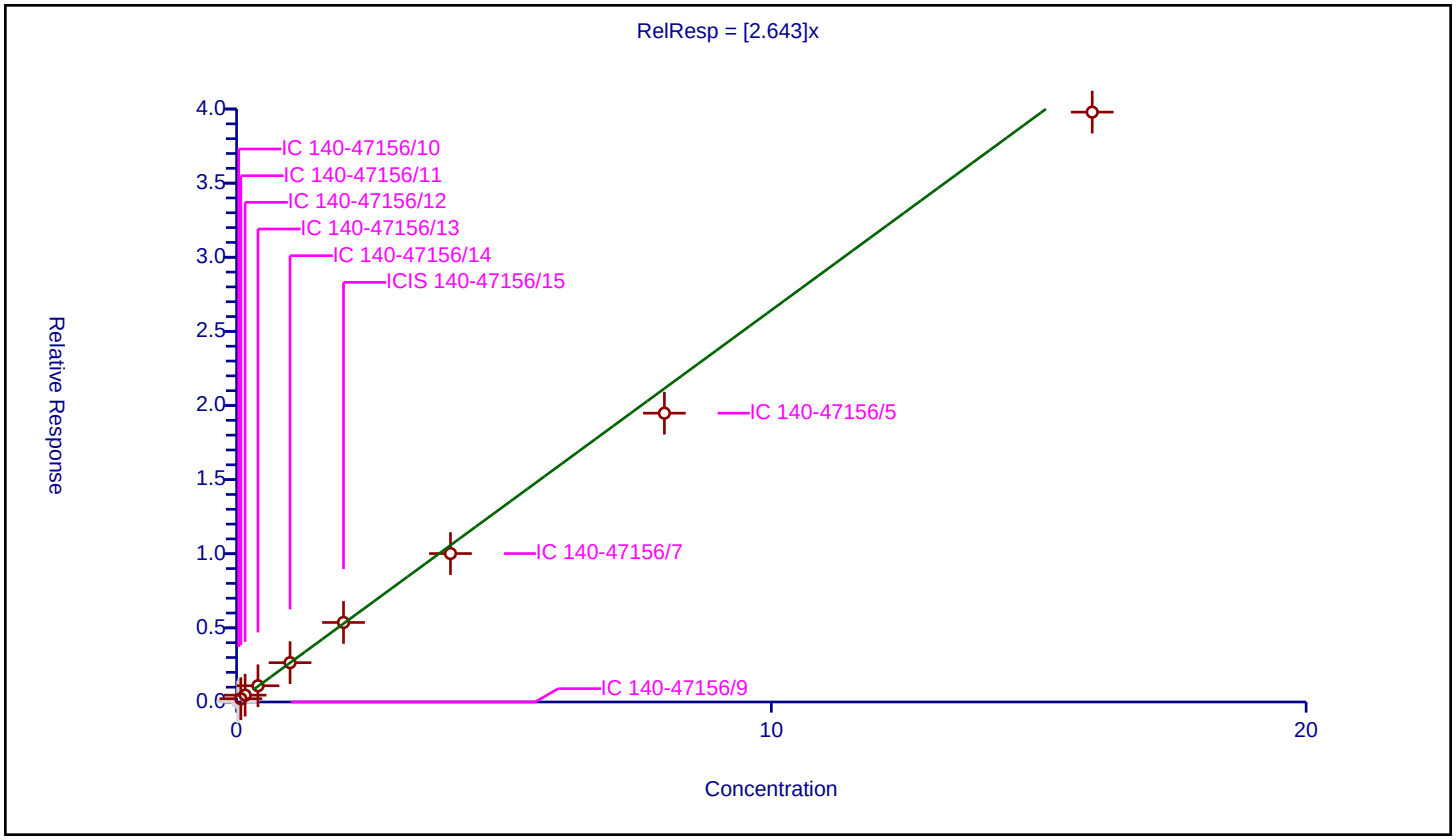
Curve Coefficients

Intercept:	0
Slope:	2.643

Error Coefficients

Standard Error:	723000
Relative Standard Error:	5.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.0	4.8	203138.0	0.0	N
2	IC 140-47156/10	0.04	0.122209	4.8	203534.0	3.055214	N
3	IC 140-47156/11	0.08	0.221368	4.8	203758.0	2.767106	Y
4	IC 140-47156/12	0.16	0.460596	4.8	205372.0	2.878727	Y
5	IC 140-47156/13	0.4	1.095408	4.8	199702.0	2.73852	Y
6	IC 140-47156/14	1.0	2.651788	4.8	197147.0	2.651788	Y
7	ICIS 140-47156/15	2.0	5.365575	4.8	198883.0	2.682787	Y
8	IC 140-47156/7	4.0	10.012946	4.8	204695.0	2.503237	Y
9	IC 140-47156/5	8.0	19.481949	4.8	204735.0	2.435244	Y
10	IC 140-47156/3	16.0	39.790696	4.8	199228.0	2.486919	Y



Calibration / Propene

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

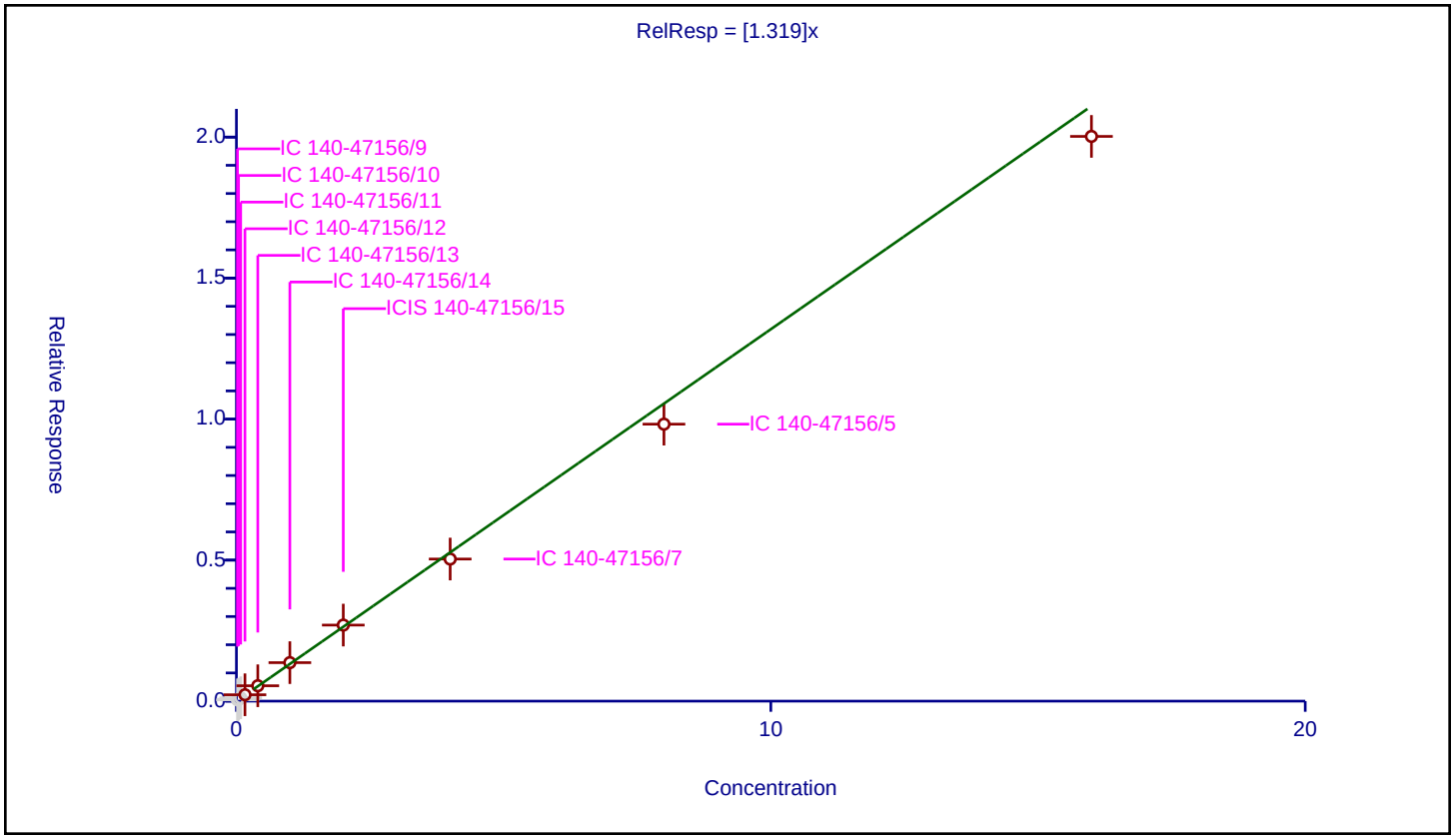
Curve Coefficients

Intercept:	0
Slope:	1.319

Error Coefficients

Standard Error:	393000
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 140-47156/9	0.02	0.044659	4.8	203138.0	2.232965	N
2	IC 140-47156/10	0.04	0.067873	4.8	203534.0	1.696817	N
3	IC 140-47156/11	0.08	0.120025	4.8	203758.0	1.500309	N
4	IC 140-47156/12	0.16	0.22643	4.8	205372.0	1.415188	Y
5	IC 140-47156/13	0.4	0.545373	4.8	199702.0	1.363432	Y
6	IC 140-47156/14	1.0	1.365324	4.8	197147.0	1.365324	Y
7	ICIS 140-47156/15	2.0	2.696291	4.8	198883.0	1.348145	Y
8	IC 140-47156/7	4.0	5.038599	4.8	204695.0	1.25965	Y
9	IC 140-47156/5	8.0	9.820945	4.8	204735.0	1.227618	Y
10	IC 140-47156/3	16.0	20.024197	4.8	199228.0	1.251512	Y



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

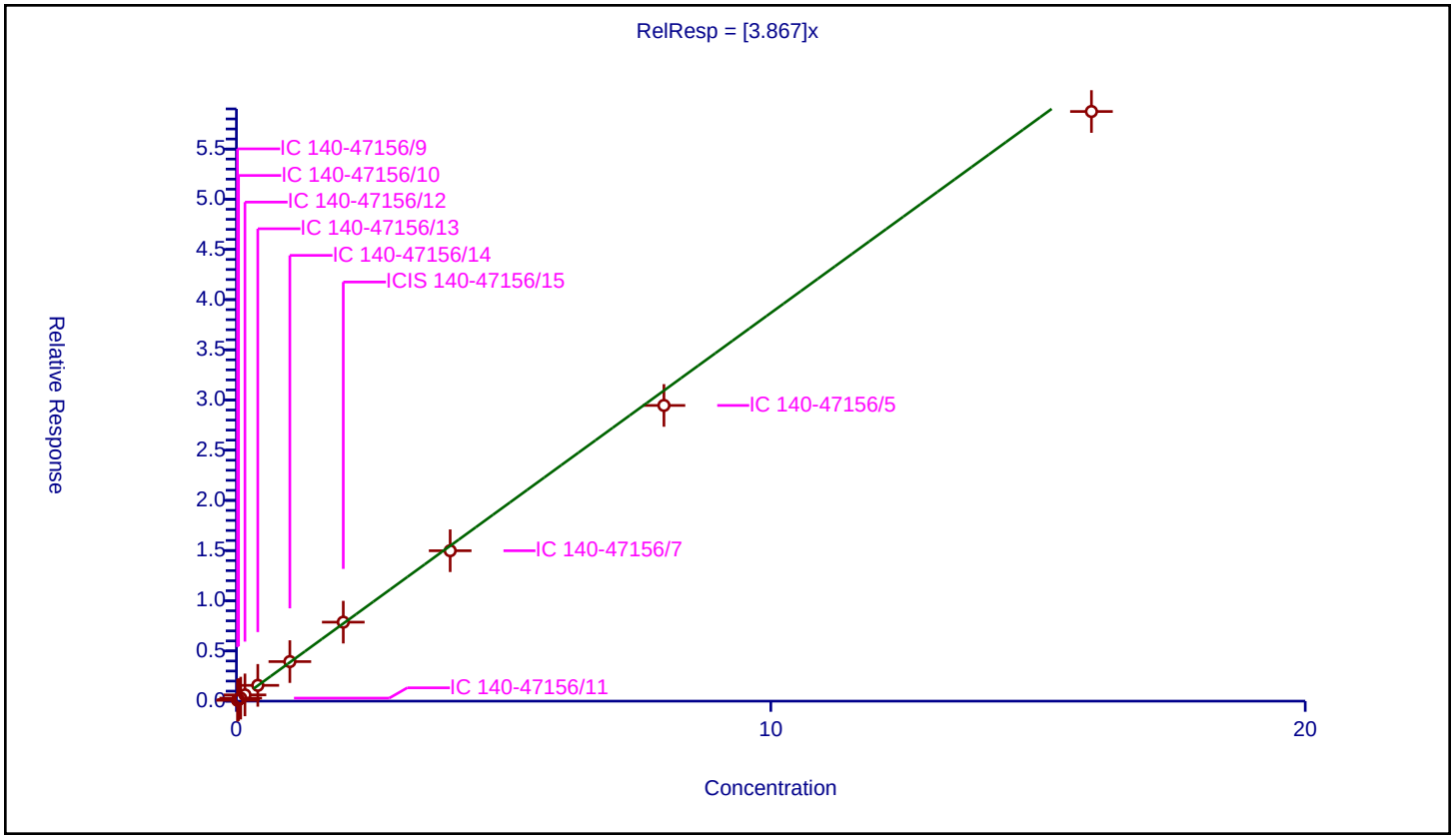
Curve Coefficients

Intercept:	0
Slope:	3.867

Error Coefficients

Standard Error:	947000
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 140-47156/9	0.02	0.084191	4.8	203138.0	4.209552	Y
2	IC 140-47156/10	0.04	0.15572	4.8	203534.0	3.893011	Y
3	IC 140-47156/11	0.08	0.302382	4.8	203758.0	3.779778	Y
4	IC 140-47156/12	0.16	0.621724	4.8	205372.0	3.885778	Y
5	IC 140-47156/13	0.4	1.573264	4.8	199702.0	3.93316	Y
6	IC 140-47156/14	1.0	3.939103	4.8	197147.0	3.939103	Y
7	ICIS 140-47156/15	2.0	7.86758	4.8	198883.0	3.93379	Y
8	IC 140-47156/7	4.0	14.985652	4.8	204695.0	3.746413	Y
9	IC 140-47156/5	8.0	29.457537	4.8	204735.0	3.682192	Y
10	IC 140-47156/3	16.0	58.739575	4.8	199228.0	3.671223	Y



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

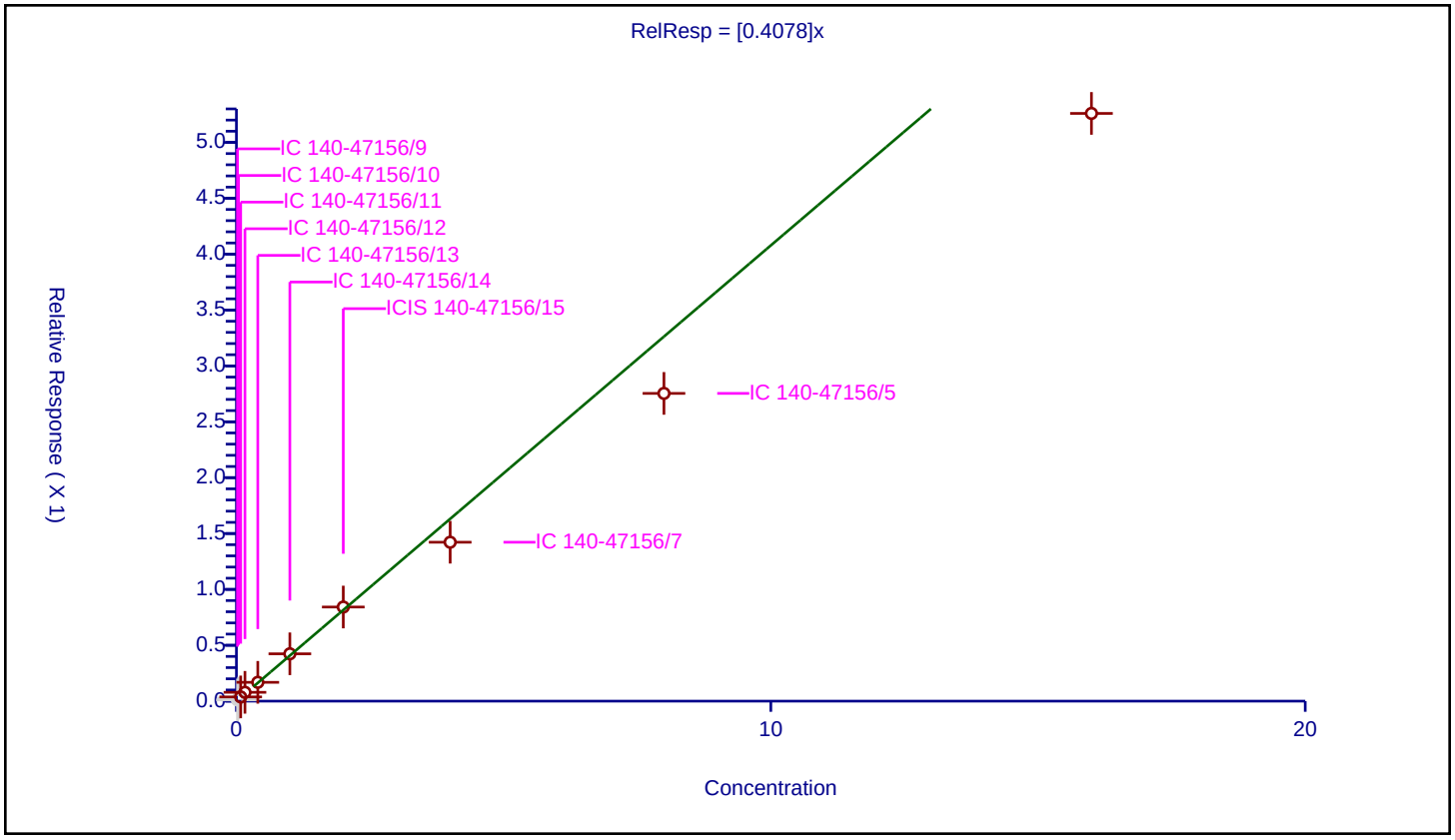
Curve Coefficients

Intercept:	0
Slope:	0.4078

Error Coefficients

Standard Error:	97600
Relative Standard Error:	14.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.01094	4.8	203138.0	0.547017	N
2	IC 140-47156/10	0.04	0.02672	4.8	203534.0	0.667997	N
3	IC 140-47156/11	0.08	0.03788	4.8	203758.0	0.473503	Y
4	IC 140-47156/12	0.16	0.079115	4.8	205372.0	0.494469	Y
5	IC 140-47156/13	0.4	0.168467	4.8	199702.0	0.421168	Y
6	IC 140-47156/14	1.0	0.423668	4.8	197147.0	0.423668	Y
7	ICIS 140-47156/15	2.0	0.842304	4.8	198883.0	0.421152	Y
8	IC 140-47156/7	4.0	1.422214	4.8	204695.0	0.355553	Y
9	IC 140-47156/5	8.0	2.75403	4.8	204735.0	0.344254	Y
10	IC 140-47156/3	16.0	5.259381	4.8	199228.0	0.328711	Y



Calibration / 1,2-Dichloro-1,1,2,2-tetrafluoroethane

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

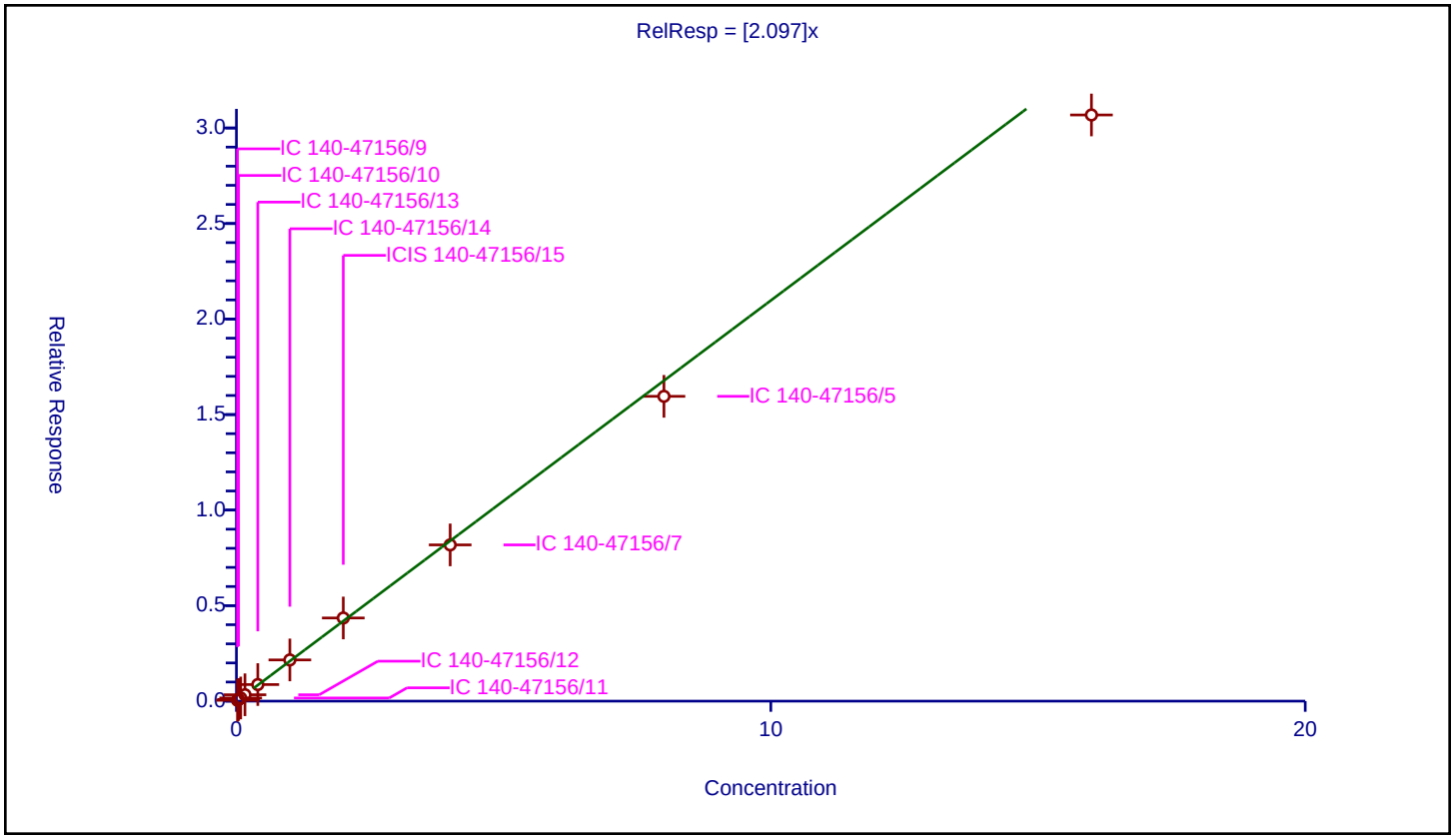
Curve Coefficients

Intercept:	0
Slope:	2.097

Error Coefficients

Standard Error:	500000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.043596	4.8	203138.0	2.179799	Y
2	IC 140-47156/10	0.04	0.087541	4.8	203534.0	2.188529	Y
3	IC 140-47156/11	0.08	0.164713	4.8	203758.0	2.058913	Y
4	IC 140-47156/12	0.16	0.333592	4.8	205372.0	2.084948	Y
5	IC 140-47156/13	0.4	0.867428	4.8	199702.0	2.168571	Y
6	IC 140-47156/14	1.0	2.156758	4.8	197147.0	2.156758	Y
7	ICIS 140-47156/15	2.0	4.352565	4.8	198883.0	2.176283	Y
8	IC 140-47156/7	4.0	8.177857	4.8	204695.0	2.044464	Y
9	IC 140-47156/5	8.0	15.954517	4.8	204735.0	1.994315	Y
10	IC 140-47156/3	16.0	30.68176	4.8	199228.0	1.91761	Y



Calibration / Vinyl chloride

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

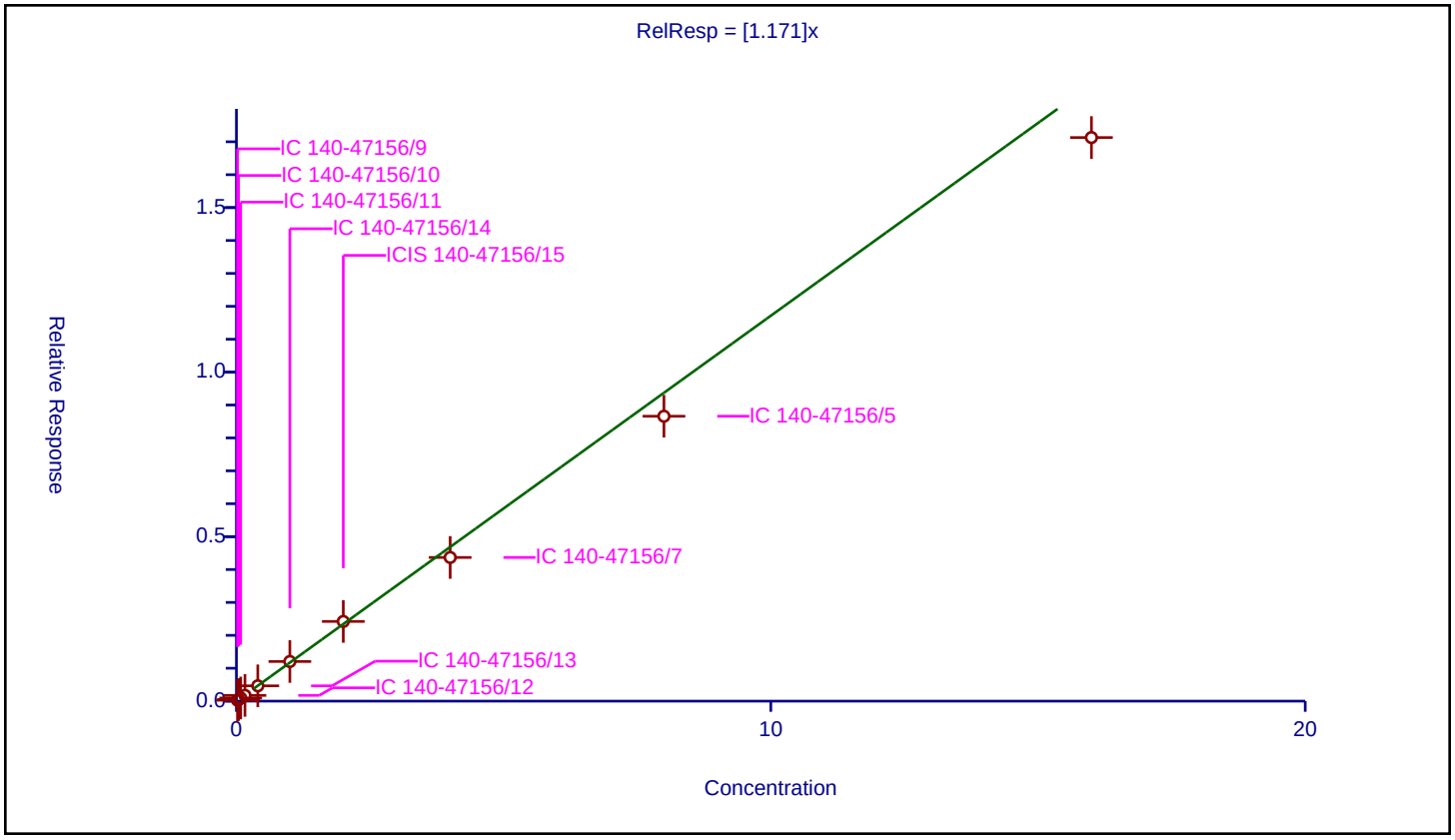
Curve Coefficients

Intercept:	0
Slope:	1.171

Error Coefficients

Standard Error:	277000
Relative Standard Error:	8.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.027717	4.8	203138.0	1.385856	Y
2	IC 140-47156/10	0.04	0.049053	4.8	203534.0	1.226331	Y
3	IC 140-47156/11	0.08	0.094889	4.8	203758.0	1.186113	Y
4	IC 140-47156/12	0.16	0.174661	4.8	205372.0	1.091629	Y
5	IC 140-47156/13	0.4	0.465261	4.8	199702.0	1.163153	Y
6	IC 140-47156/14	1.0	1.204583	4.8	197147.0	1.204583	Y
7	ICIS 140-47156/15	2.0	2.422264	4.8	198883.0	1.211132	Y
8	IC 140-47156/7	4.0	4.366536	4.8	204695.0	1.091634	Y
9	IC 140-47156/5	8.0	8.659155	4.8	204735.0	1.082394	Y
10	IC 140-47156/3	16.0	17.12911	4.8	199228.0	1.070569	Y



Calibration / Butadiene

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

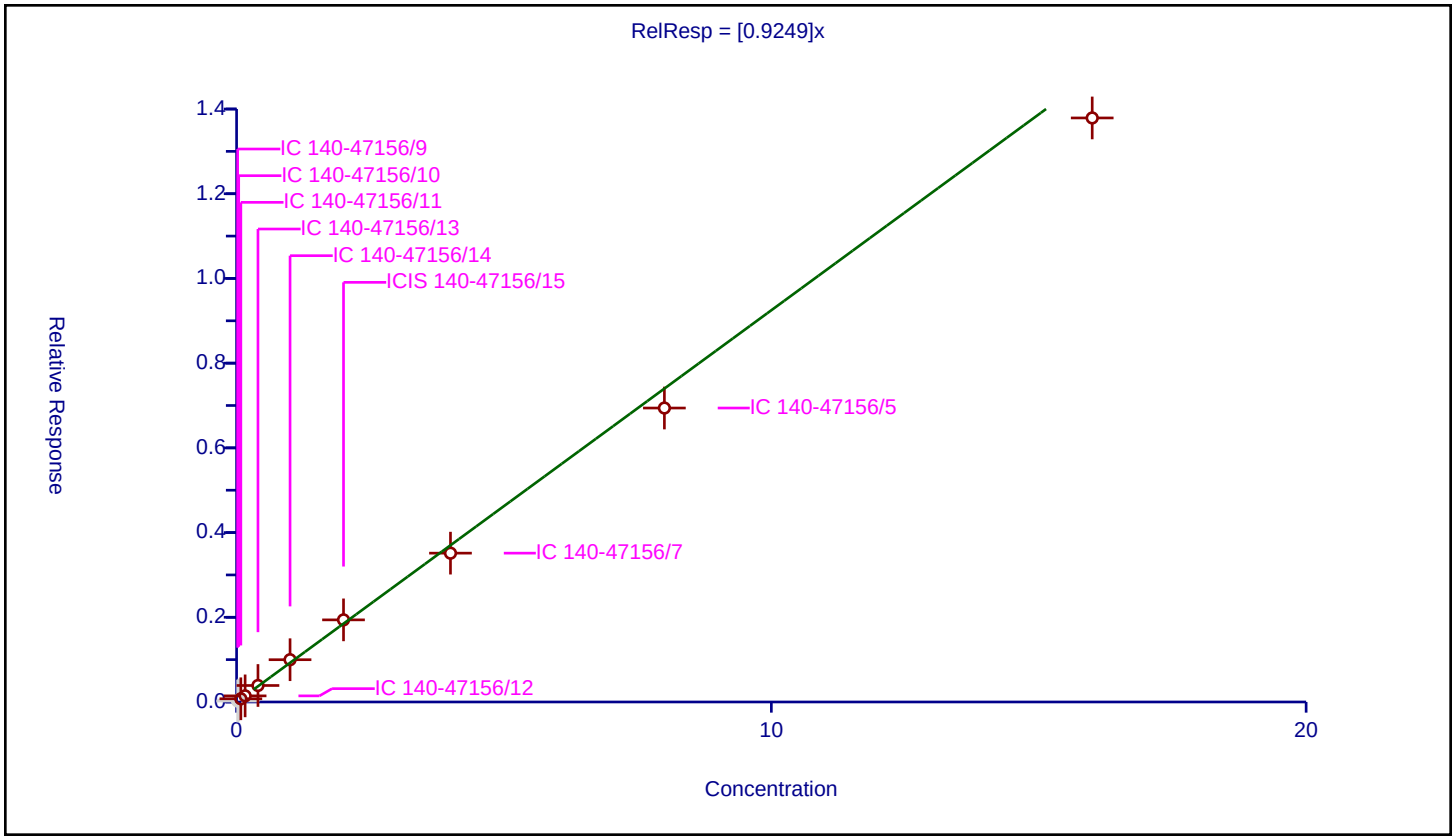
Curve Coefficients

Intercept:	0
Slope:	0.9249

Error Coefficients

Standard Error:	252000
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 140-47156/9	0.02	0.022164	4.8	203138.0	1.108212	N
2	IC 140-47156/10	0.04	0.044808	4.8	203534.0	1.120206	N
3	IC 140-47156/11	0.08	0.075878	4.8	203758.0	0.948478	Y
4	IC 140-47156/12	0.16	0.14437	4.8	205372.0	0.902314	Y
5	IC 140-47156/13	0.4	0.389092	4.8	199702.0	0.972729	Y
6	IC 140-47156/14	1.0	0.998508	4.8	197147.0	0.998508	Y
7	ICIS 140-47156/15	2.0	1.938531	4.8	198883.0	0.969265	Y
8	IC 140-47156/7	4.0	3.51377	4.8	204695.0	0.878443	Y
9	IC 140-47156/5	8.0	6.940101	4.8	204735.0	0.867513	Y
10	IC 140-47156/3	16.0	13.78905	4.8	199228.0	0.861816	Y



Calibration / Butane

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

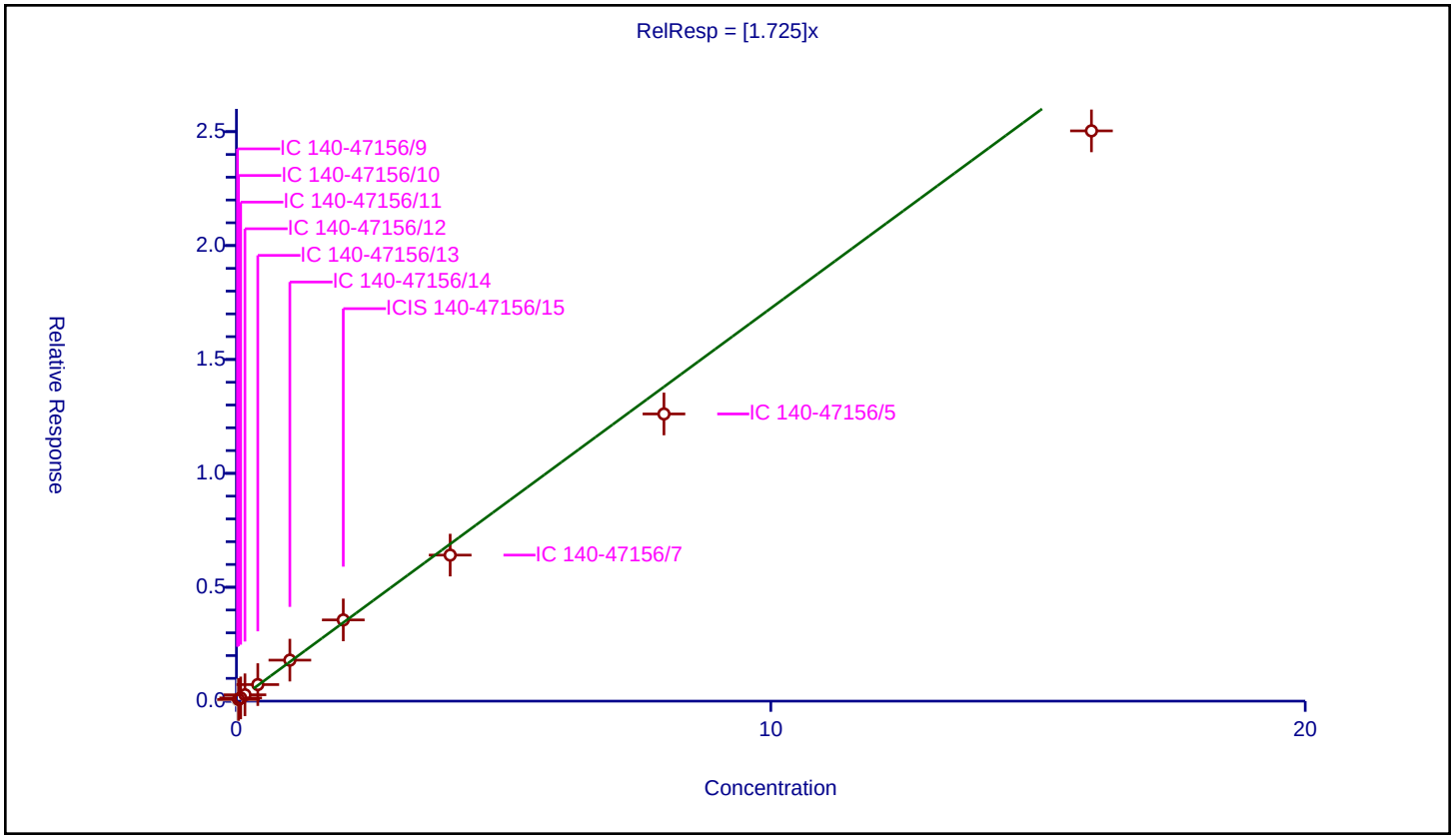
Curve Coefficients

Intercept:	0
Slope:	1.725

Error Coefficients

Standard Error:	429000
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 140-47156/9	0.02	0.0474	4.8	203138.0	2.370014	N
2	IC 140-47156/10	0.04	0.074688	4.8	203534.0	1.867206	Y
3	IC 140-47156/11	0.08	0.141344	4.8	203758.0	1.766802	Y
4	IC 140-47156/12	0.16	0.279205	4.8	205372.0	1.745029	Y
5	IC 140-47156/13	0.4	0.726915	4.8	199702.0	1.817288	Y
6	IC 140-47156/14	1.0	1.799534	4.8	197147.0	1.799534	Y
7	ICIS 140-47156/15	2.0	3.565192	4.8	198883.0	1.782596	Y
8	IC 140-47156/7	4.0	6.410982	4.8	204695.0	1.602746	Y
9	IC 140-47156/5	8.0	12.607025	4.8	204735.0	1.575878	Y
10	IC 140-47156/3	16.0	25.035541	4.8	199228.0	1.564721	Y



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

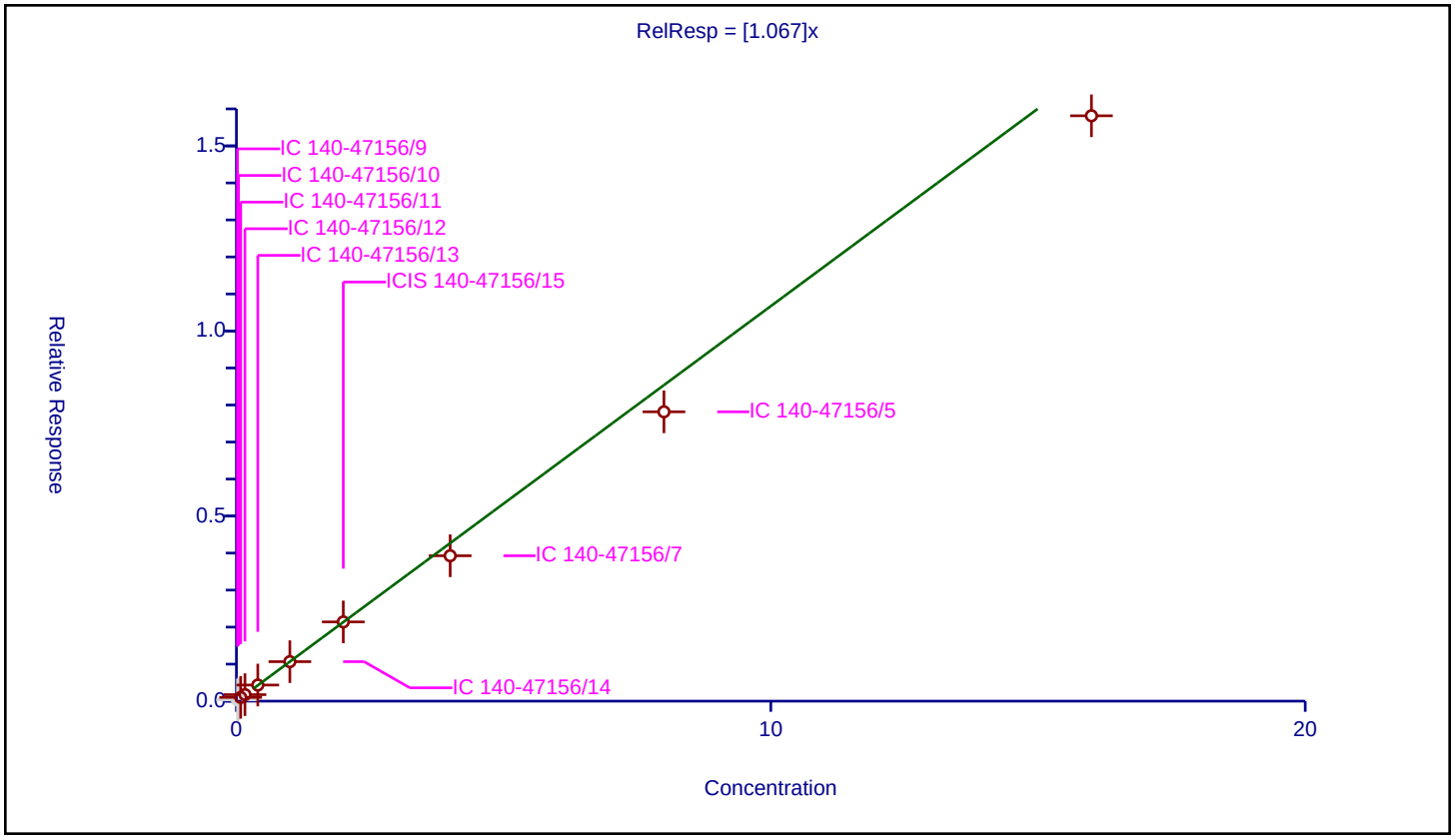
Curve Coefficients

Intercept:	0
Slope:	1.067

Error Coefficients

Standard Error:	288000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.03275	4.8	203138.0	1.637508	N
2	IC 140-47156/10	0.04	0.059359	4.8	203534.0	1.483978	N
3	IC 140-47156/11	0.08	0.101532	4.8	203758.0	1.269153	Y
4	IC 140-47156/12	0.16	0.175479	4.8	205372.0	1.096742	Y
5	IC 140-47156/13	0.4	0.434976	4.8	199702.0	1.08744	Y
6	IC 140-47156/14	1.0	1.066899	4.8	197147.0	1.066899	Y
7	ICIS 140-47156/15	2.0	2.139911	4.8	198883.0	1.069956	Y
8	IC 140-47156/7	4.0	3.927373	4.8	204695.0	0.981843	Y
9	IC 140-47156/5	8.0	7.816543	4.8	204735.0	0.977068	Y
10	IC 140-47156/3	16.0	15.813825	4.8	199228.0	0.988364	Y



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

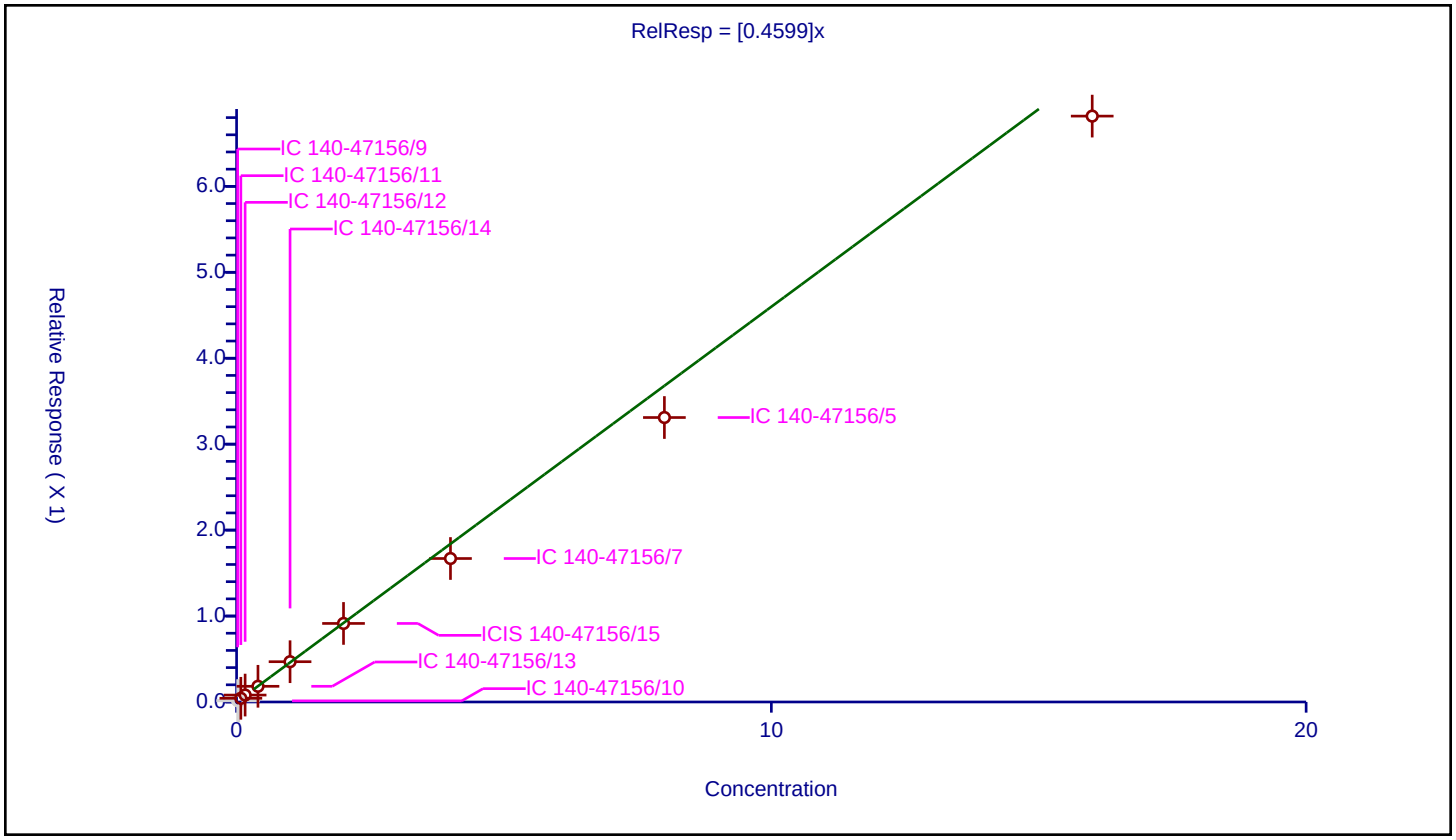
Curve Coefficients

Intercept:	0
Slope:	0.4599

Error Coefficients

Standard Error:	124000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.015997	4.8	203138.0	0.79985	N
2	IC 140-47156/10	0.04	0.013159	4.8	203534.0	0.328987	N
3	IC 140-47156/11	0.08	0.042898	4.8	203758.0	0.536224	Y
4	IC 140-47156/12	0.16	0.080541	4.8	205372.0	0.503379	Y
5	IC 140-47156/13	0.4	0.18272	4.8	199702.0	0.456801	Y
6	IC 140-47156/14	1.0	0.468661	4.8	197147.0	0.468661	Y
7	ICIS 140-47156/15	2.0	0.91396	4.8	198883.0	0.45698	Y
8	IC 140-47156/7	4.0	1.669676	4.8	204695.0	0.417419	Y
9	IC 140-47156/5	8.0	3.310074	4.8	204735.0	0.413759	Y
10	IC 140-47156/3	16.0	6.817427	4.8	199228.0	0.426089	Y



Calibration / Ethanol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

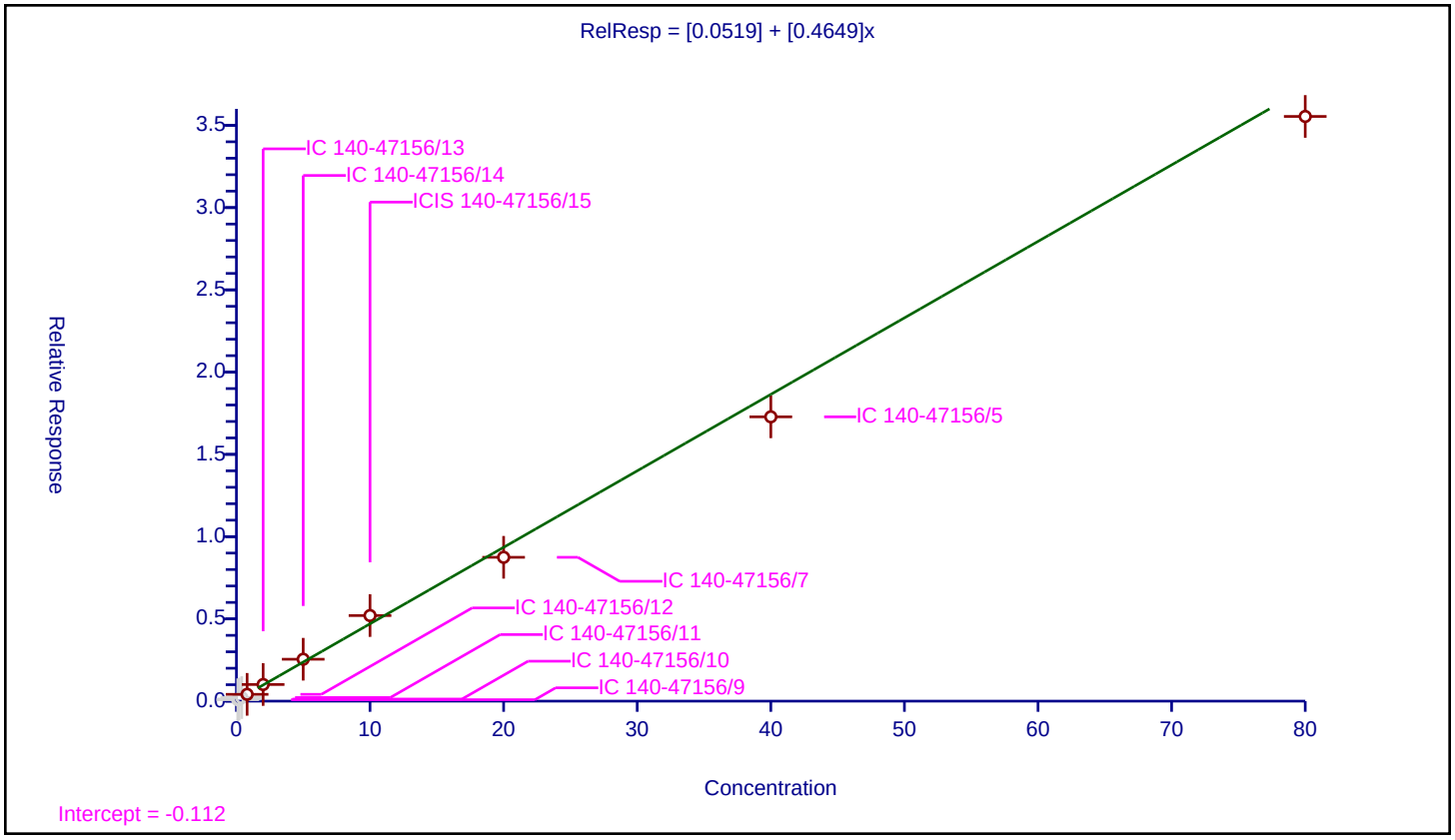
Curve Coefficients

Intercept:	0.0519
Slope:	0.4649

Error Coefficients

Standard Error:	764000
Relative Standard Error:	7.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.1	0.088917	4.8	203138.0	0.889169	N
2	IC 140-47156/10	0.2	0.126571	4.8	203534.0	0.632857	N
3	IC 140-47156/11	0.4	0.219931	4.8	203758.0	0.549829	N
4	IC 140-47156/12	0.8	0.413198	4.8	205372.0	0.516497	Y
5	IC 140-47156/13	2.0	1.011066	4.8	199702.0	0.505533	Y
6	IC 140-47156/14	5.0	2.547216	4.8	197147.0	0.509443	Y
7	ICIS 140-47156/15	10.0	5.201868	4.8	198883.0	0.520187	Y
8	IC 140-47156/7	20.0	8.742404	4.8	204695.0	0.43712	Y
9	IC 140-47156/5	40.0	17.281665	4.8	204735.0	0.432042	Y
10	IC 140-47156/3	80.0	35.539751	4.8	199228.0	0.444247	Y



Calibration / Vinyl bromide

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

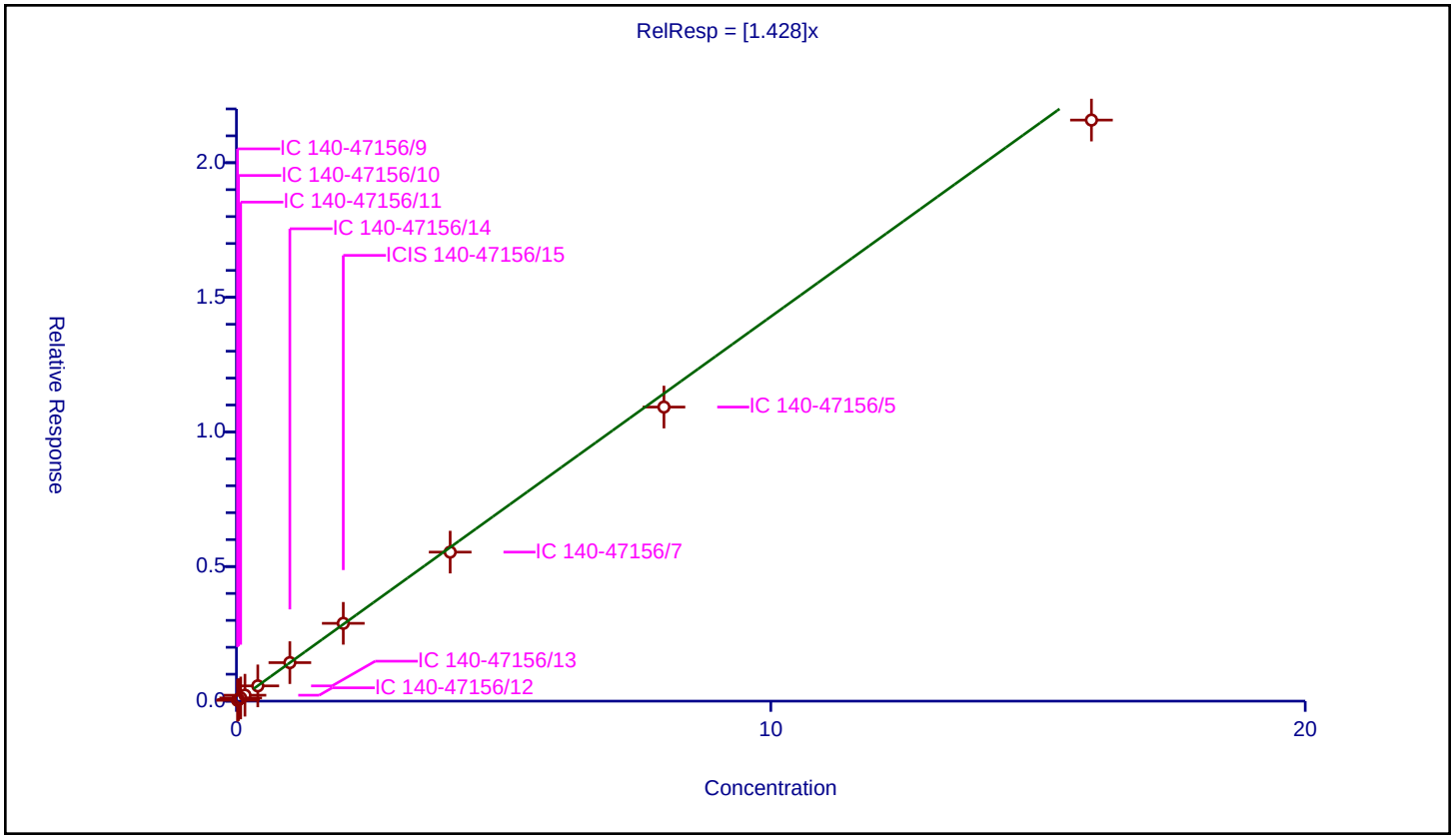
Curve Coefficients

Intercept:	0
Slope:	1.428

Error Coefficients

Standard Error:	349000
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 140-47156/9	0.02	0.031309	4.8	203138.0	1.565438	Y
2	IC 140-47156/10	0.04	0.058699	4.8	203534.0	1.46747	Y
3	IC 140-47156/11	0.08	0.11847	4.8	203758.0	1.480874	Y
4	IC 140-47156/12	0.16	0.22054	4.8	205372.0	1.378377	Y
5	IC 140-47156/13	0.4	0.566548	4.8	199702.0	1.41637	Y
6	IC 140-47156/14	1.0	1.430356	4.8	197147.0	1.430356	Y
7	ICIS 140-47156/15	2.0	2.890769	4.8	198883.0	1.445384	Y
8	IC 140-47156/7	4.0	5.536385	4.8	204695.0	1.384096	Y
9	IC 140-47156/5	8.0	10.924264	4.8	204735.0	1.365533	Y
10	IC 140-47156/3	16.0	21.585376	4.8	199228.0	1.349086	Y



Calibration / 2-Methylbutane

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

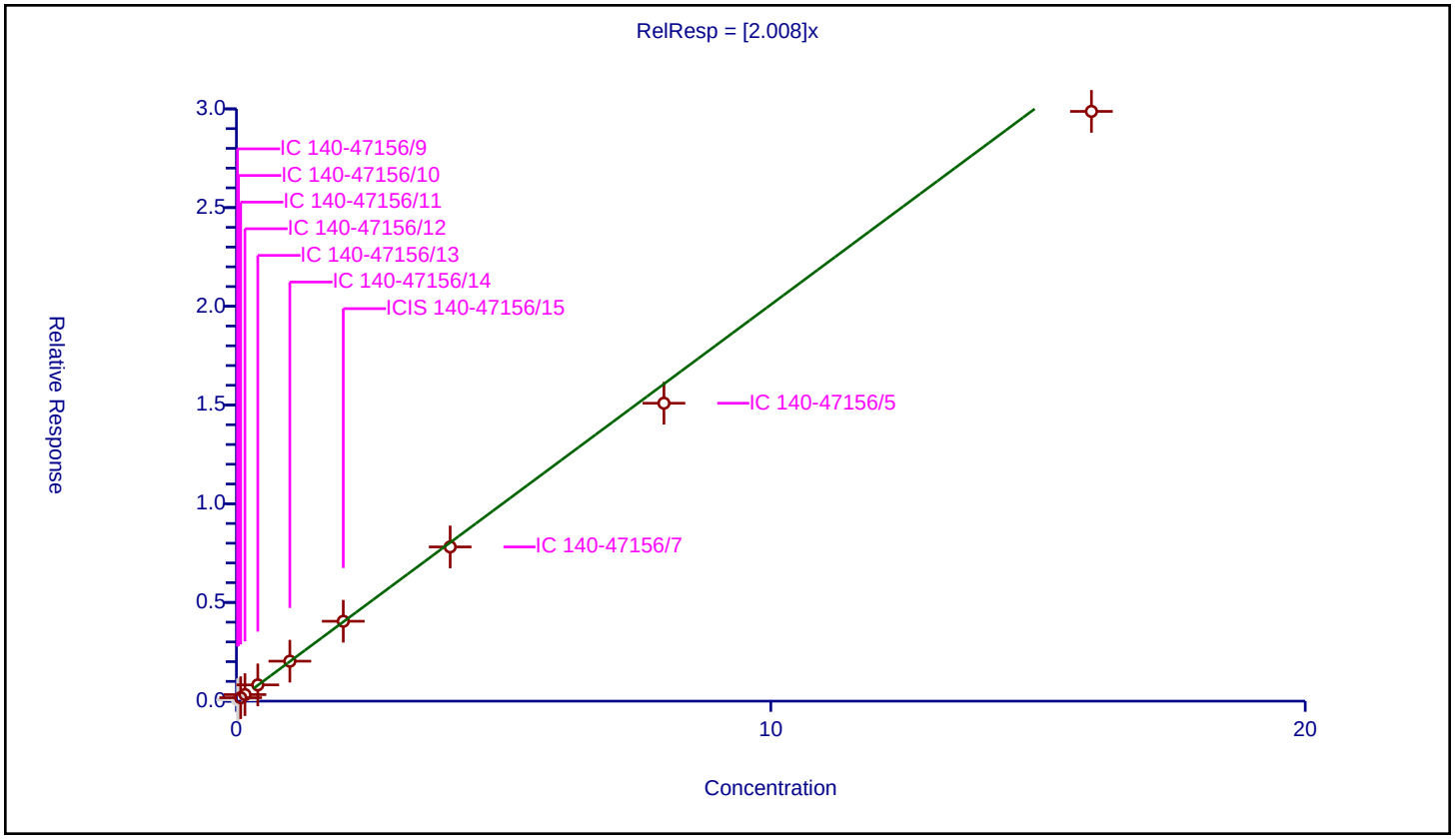
Curve Coefficients

Intercept:	0
Slope:	2.008

Error Coefficients

Standard Error:	548000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.066256	4.8	203138.0	3.312822	N
2	IC 140-47156/10	0.04	0.097588	4.8	203534.0	2.439691	N
3	IC 140-47156/11	0.08	0.174748	4.8	203758.0	2.184356	Y
4	IC 140-47156/12	0.16	0.331138	4.8	205372.0	2.06961	Y
5	IC 140-47156/13	0.4	0.823058	4.8	199702.0	2.057646	Y
6	IC 140-47156/14	1.0	2.024893	4.8	197147.0	2.024893	Y
7	ICIS 140-47156/15	2.0	4.047115	4.8	198883.0	2.023558	Y
8	IC 140-47156/7	4.0	7.812724	4.8	204695.0	1.953181	Y
9	IC 140-47156/5	8.0	15.090172	4.8	204735.0	1.886272	Y
10	IC 140-47156/3	16.0	29.873126	4.8	199228.0	1.86707	Y



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

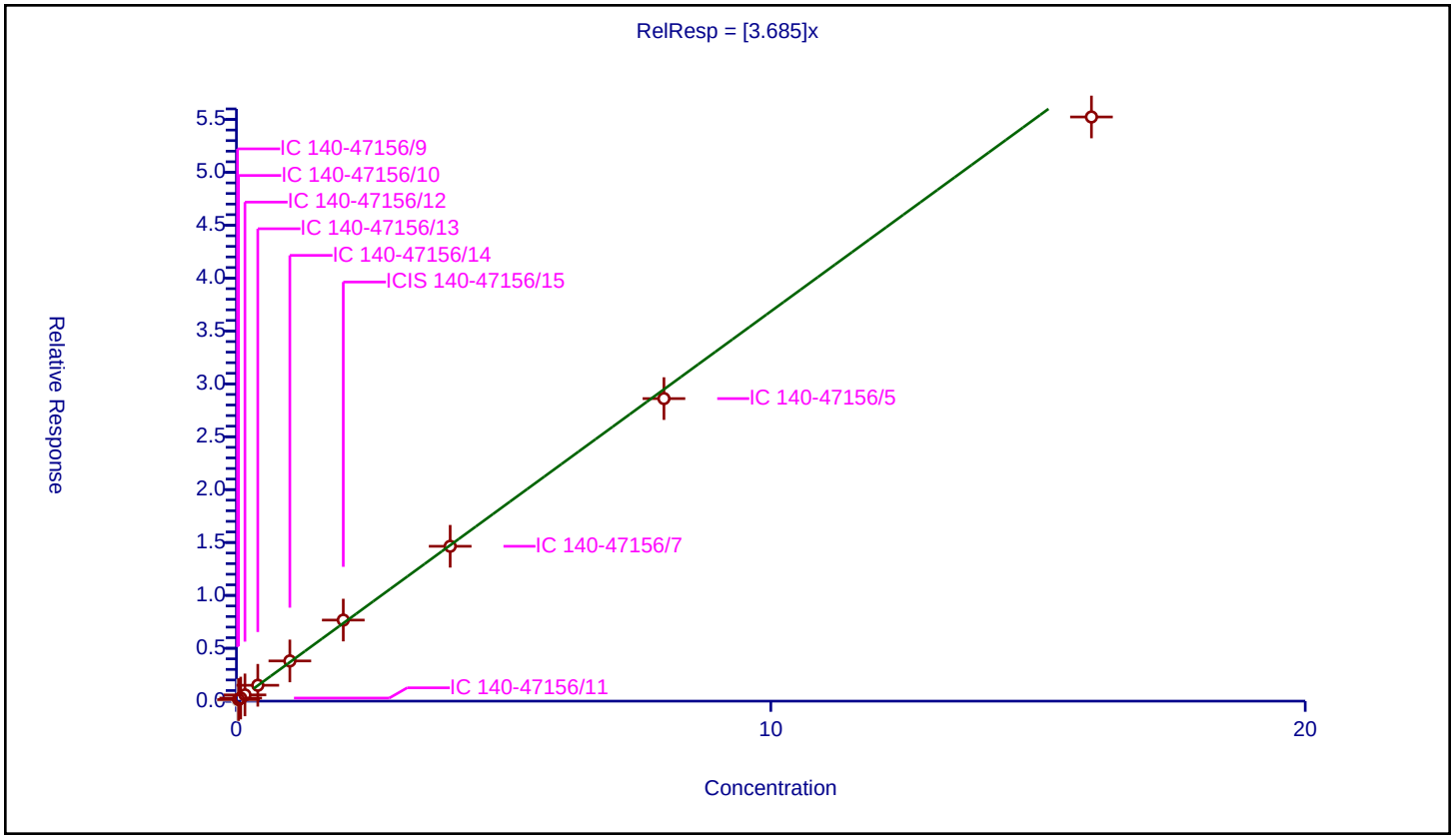
Curve Coefficients

Intercept:	0
Slope:	3.685

Error Coefficients

Standard Error:	953000
Relative Standard Error:	3.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.085113	4.8	203138.0	4.255629	N
2	IC 140-47156/10	0.04	0.150862	4.8	203534.0	3.771557	Y
3	IC 140-47156/11	0.08	0.291145	4.8	203758.0	3.639317	Y
4	IC 140-47156/12	0.16	0.590008	4.8	205372.0	3.687552	Y
5	IC 140-47156/13	0.4	1.498609	4.8	199702.0	3.746522	Y
6	IC 140-47156/14	1.0	3.800664	4.8	197147.0	3.800664	Y
7	ICIS 140-47156/15	2.0	7.663472	4.8	198883.0	3.831736	Y
8	IC 140-47156/7	4.0	14.6435	4.8	204695.0	3.660875	Y
9	IC 140-47156/5	8.0	28.608549	4.8	204735.0	3.576069	Y
10	IC 140-47156/3	16.0	55.23626	4.8	199228.0	3.452266	Y



Calibration / Acrolein

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

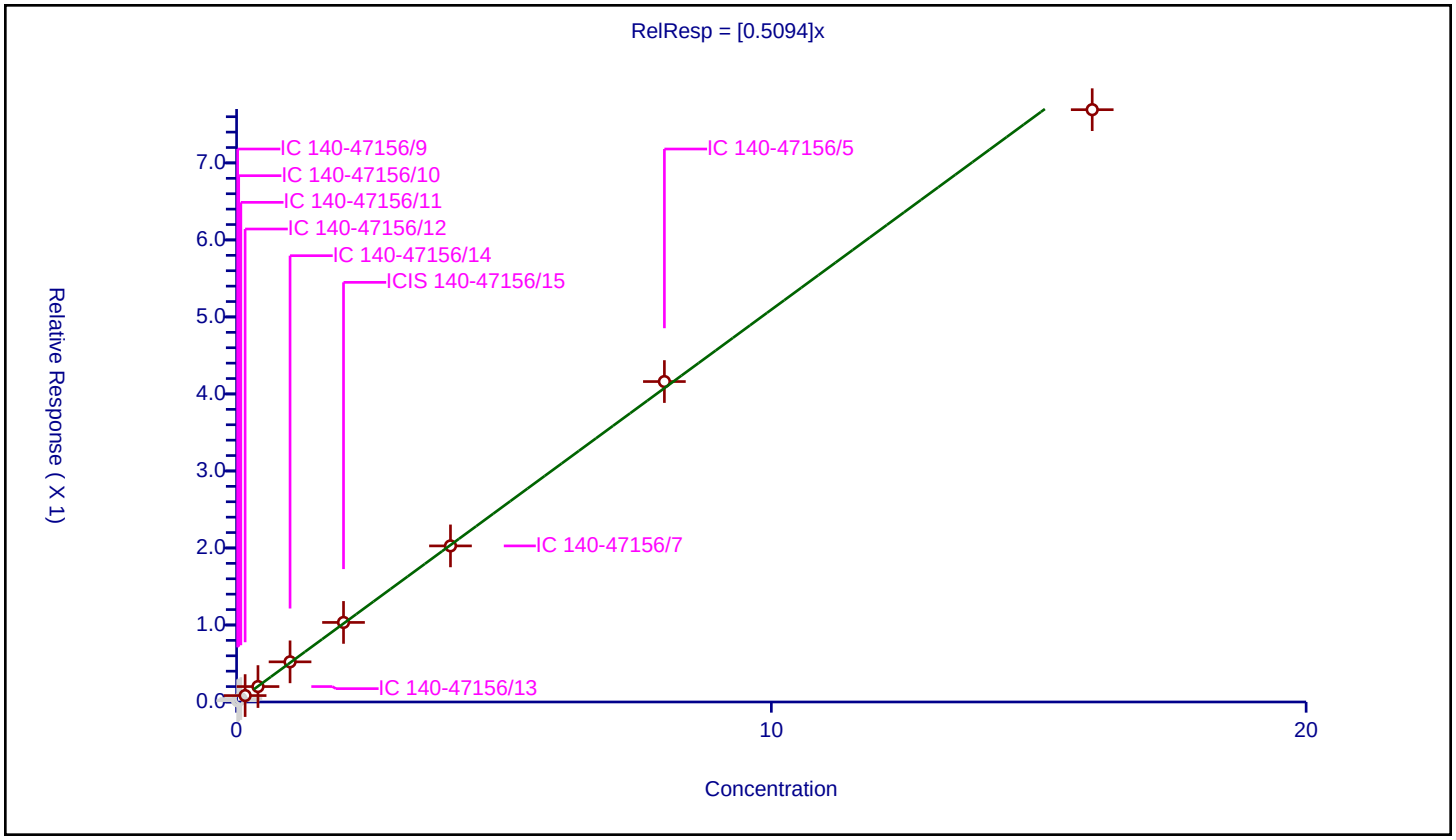
Curve Coefficients

Intercept:	0
Slope:	0.5094

Error Coefficients

Standard Error:	155000
Relative Standard Error:	2.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.016186	4.8	203138.0	0.809302	N
2	IC 140-47156/10	0.04	0.026319	4.8	203534.0	0.657974	N
3	IC 140-47156/11	0.08	0.044523	4.8	203758.0	0.556543	N
4	IC 140-47156/12	0.16	0.083228	4.8	205372.0	0.520178	Y
5	IC 140-47156/13	0.4	0.20017	4.8	199702.0	0.500426	Y
6	IC 140-47156/14	1.0	0.521325	4.8	197147.0	0.521325	Y
7	ICIS 140-47156/15	2.0	1.033066	4.8	198883.0	0.516533	Y
8	IC 140-47156/7	4.0	2.026953	4.8	204695.0	0.506738	Y
9	IC 140-47156/5	8.0	4.161149	4.8	204735.0	0.520144	Y
10	IC 140-47156/3	16.0	7.691377	4.8	199228.0	0.480711	Y



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

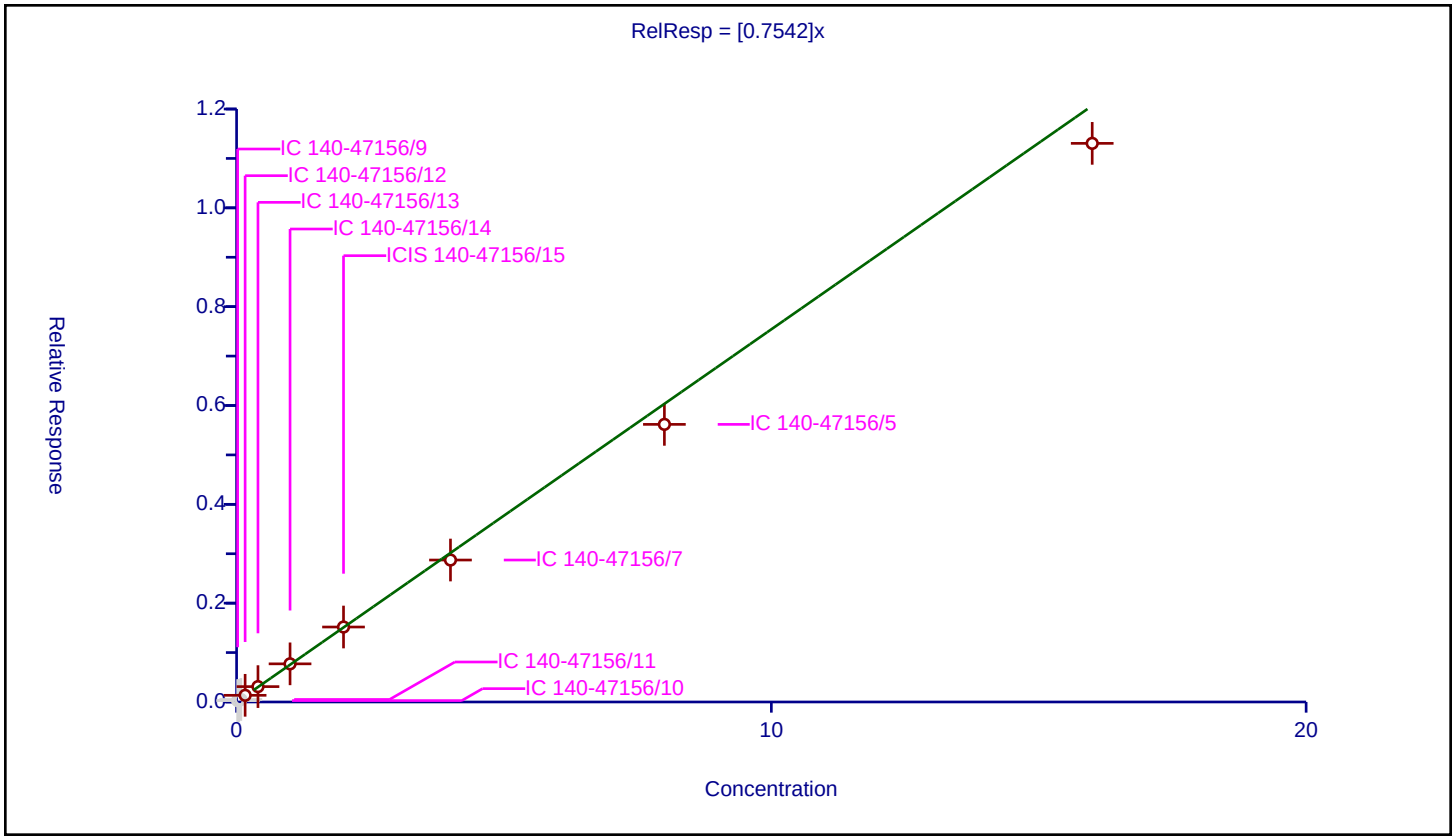
Curve Coefficients

Intercept:	0
Slope:	0.7542

Error Coefficients

Standard Error:	223000
Relative Standard Error:	6.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.02878	4.8	203138.0	1.439022	N
2	IC 140-47156/10	0.04	0.028465	4.8	203534.0	0.711626	N
3	IC 140-47156/11	0.08	0.051214	4.8	203758.0	0.640171	N
4	IC 140-47156/12	0.16	0.135068	4.8	205372.0	0.844175	Y
5	IC 140-47156/13	0.4	0.311071	4.8	199702.0	0.777679	Y
6	IC 140-47156/14	1.0	0.77181	4.8	197147.0	0.77181	Y
7	ICIS 140-47156/15	2.0	1.517089	4.8	198883.0	0.758544	Y
8	IC 140-47156/7	4.0	2.872754	4.8	204695.0	0.718189	Y
9	IC 140-47156/5	8.0	5.618017	4.8	204735.0	0.702252	Y
10	IC 140-47156/3	16.0	11.3047	4.8	199228.0	0.706544	Y



Calibration / Acetone

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

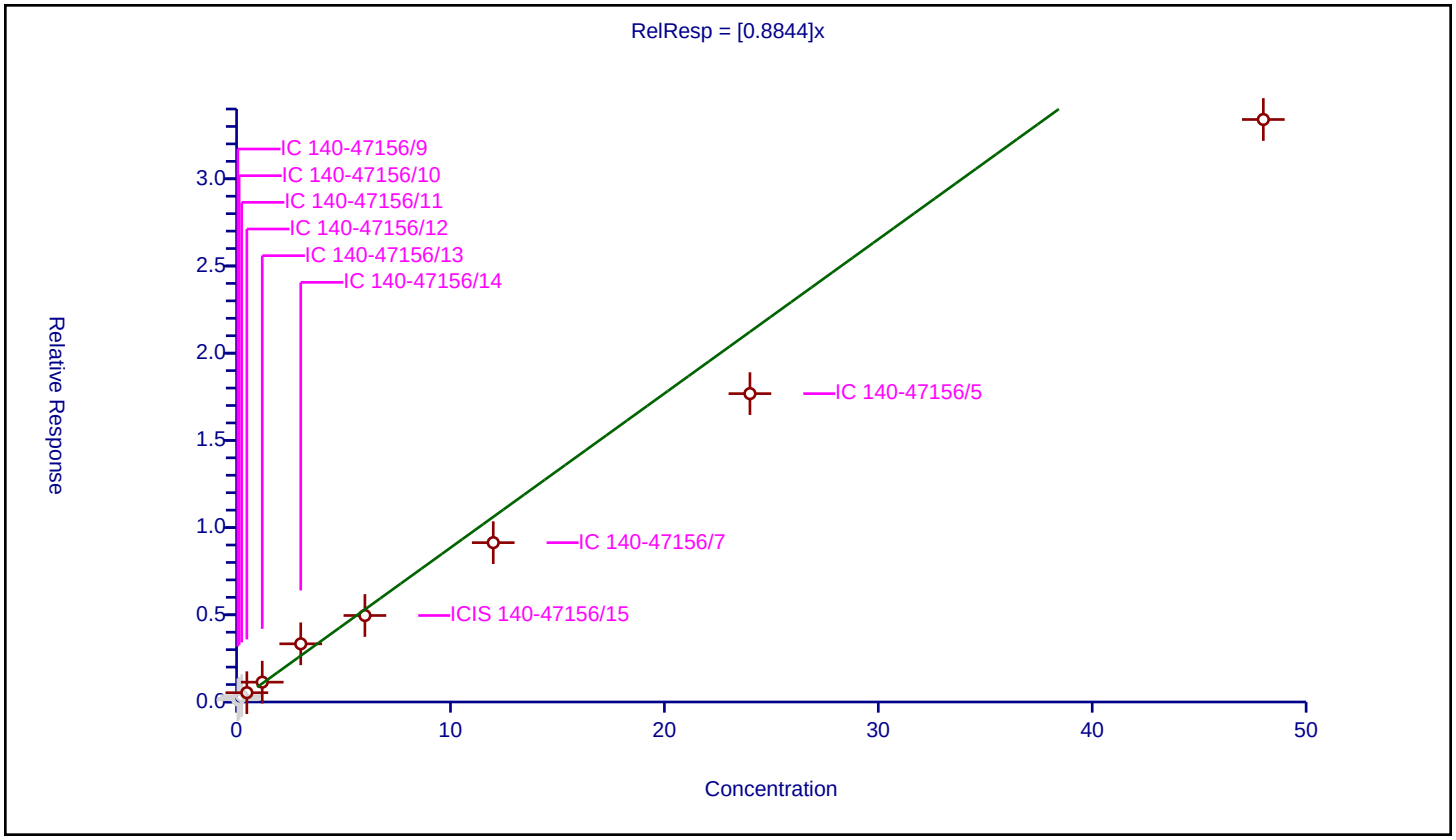
Curve Coefficients

Intercept:	0
Slope:	0.8844

Error Coefficients

Standard Error:	672000
Relative Standard Error:	19.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.939

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.06	0.125424	4.8	203138.0	2.090402	N
2	IC 140-47156/10	0.12	0.209278	4.8	203534.0	1.743984	N
3	IC 140-47156/11	0.24	0.359273	4.8	203758.0	1.496972	N
4	IC 140-47156/12	0.48	0.533261	4.8	205372.0	1.11096	Y
5	IC 140-47156/13	1.2	1.137399	4.8	199702.0	0.947832	Y
6	IC 140-47156/14	3.0	3.334925	4.8	197147.0	1.111642	Y
7	ICIS 140-47156/15	6.0	4.959217	4.8	198883.0	0.826536	Y
8	IC 140-47156/7	12.0	9.136215	4.8	204695.0	0.761351	Y
9	IC 140-47156/5	24.0	17.681026	4.8	204735.0	0.736709	Y
10	IC 140-47156/3	48.0	33.398438	4.8	199228.0	0.695801	Y



Calibration / Isopropyl alcohol

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

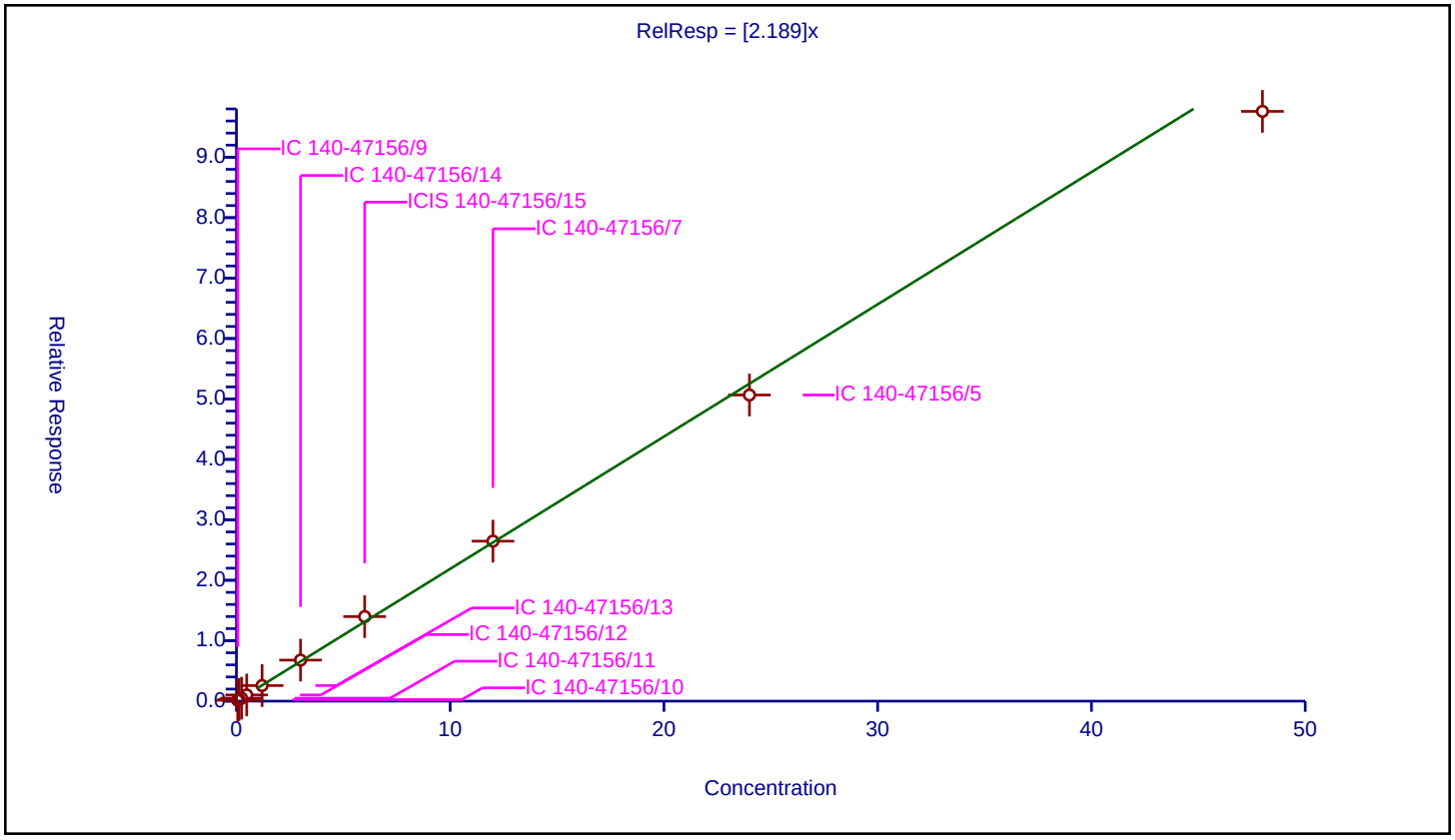
Curve Coefficients

Intercept:	0
Slope:	2.189

Error Coefficients

Standard Error:	1590000
Relative Standard Error:	5.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.06	0.146903	4.8	203138.0	2.448385	Y
2	IC 140-47156/10	0.12	0.258992	4.8	203534.0	2.158263	Y
3	IC 140-47156/11	0.24	0.492608	4.8	203758.0	2.052533	Y
4	IC 140-47156/12	0.48	1.025036	4.8	205372.0	2.135491	Y
5	IC 140-47156/13	1.2	2.575774	4.8	199702.0	2.146478	Y
6	IC 140-47156/14	3.0	6.790831	4.8	197147.0	2.26361	Y
7	ICIS 140-47156/15	6.0	13.989515	4.8	198883.0	2.331586	Y
8	IC 140-47156/7	12.0	26.469985	4.8	204695.0	2.205832	Y
9	IC 140-47156/5	24.0	50.65936	4.8	204735.0	2.110807	Y
10	IC 140-47156/3	48.0	97.590114	4.8	199228.0	2.033127	Y



Calibration / Pentane

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

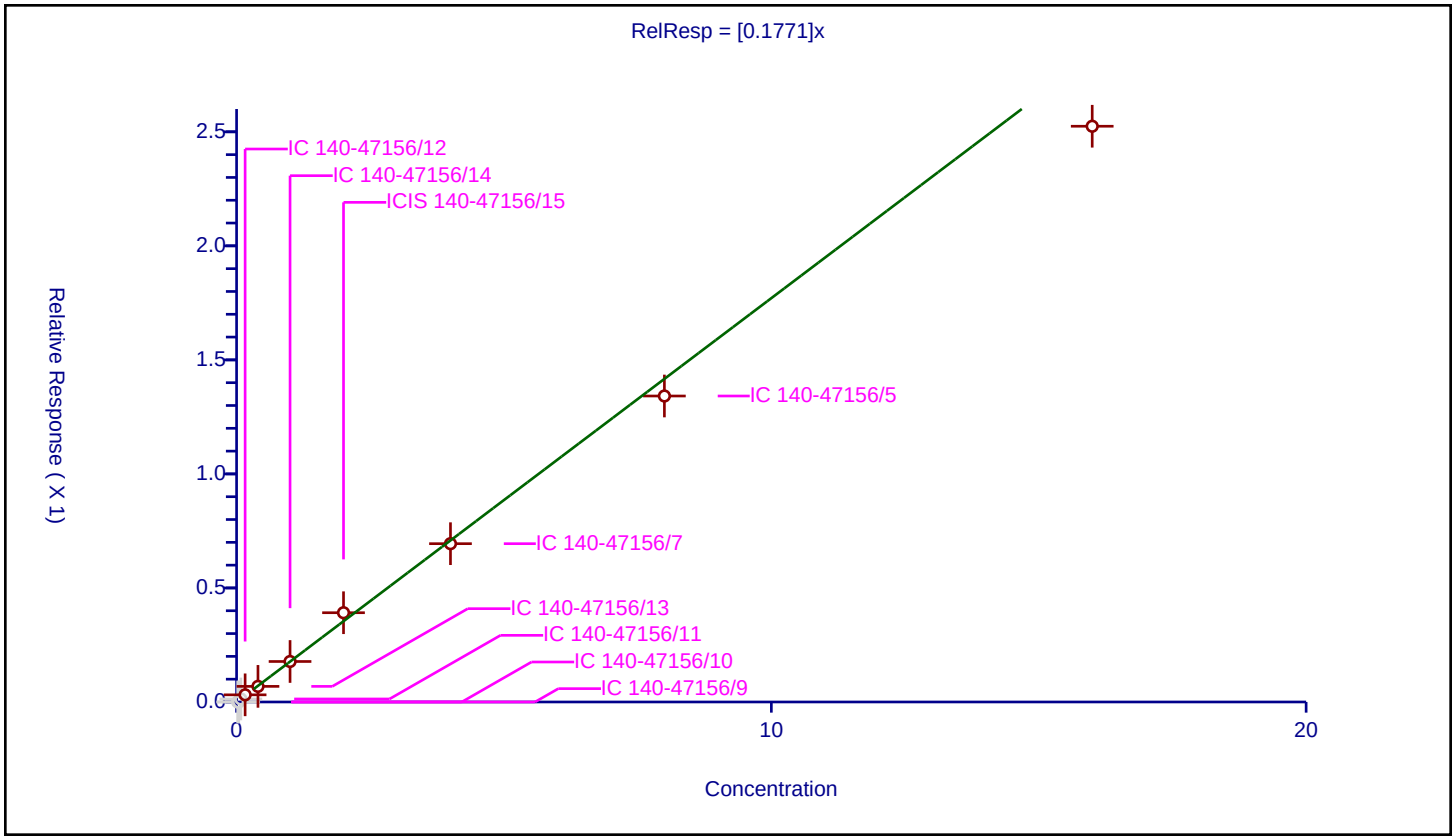
Curve Coefficients

Intercept:	0
Slope:	0.1771

Error Coefficients

Standard Error:	50800
Relative Standard Error:	8.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.0	4.8	203138.0	0.0	N
2	IC 140-47156/10	0.04	0.0	4.8	203534.0	0.0	N
3	IC 140-47156/11	0.08	0.013286	4.8	203758.0	0.166079	N
4	IC 140-47156/12	0.16	0.031366	4.8	205372.0	0.196035	Y
5	IC 140-47156/13	0.4	0.068478	4.8	199702.0	0.171195	Y
6	IC 140-47156/14	1.0	0.177565	4.8	197147.0	0.177565	Y
7	ICIS 140-47156/15	2.0	0.391394	4.8	198883.0	0.195697	Y
8	IC 140-47156/7	4.0	0.694082	4.8	204695.0	0.173521	Y
9	IC 140-47156/5	8.0	1.341707	4.8	204735.0	0.167713	Y
10	IC 140-47156/3	16.0	2.524416	4.8	199228.0	0.157776	Y



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

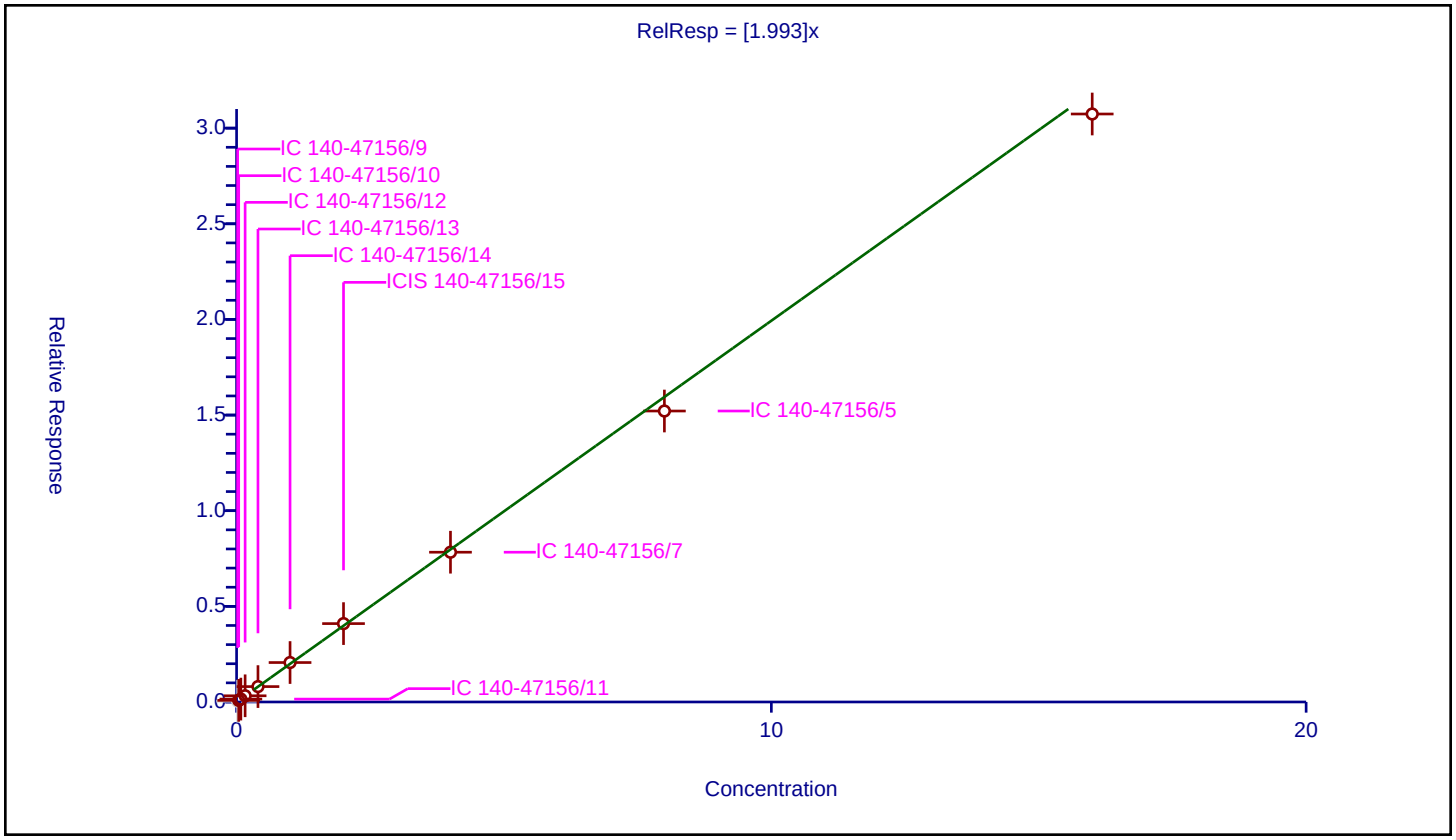
Curve Coefficients

Intercept:	0
Slope:	1.993

Error Coefficients

Standard Error:	524000
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 140-47156/9	0.02	0.041139	4.8	203138.0	2.056927	N
2	IC 140-47156/10	0.04	0.084829	4.8	203534.0	2.120727	Y
3	IC 140-47156/11	0.08	0.150908	4.8	203758.0	1.886355	Y
4	IC 140-47156/12	0.16	0.324547	4.8	205372.0	2.028417	Y
5	IC 140-47156/13	0.4	0.804767	4.8	199702.0	2.011918	Y
6	IC 140-47156/14	1.0	2.062193	4.8	197147.0	2.062193	Y
7	ICIS 140-47156/15	2.0	4.098064	4.8	198883.0	2.049032	Y
8	IC 140-47156/7	4.0	7.829303	4.8	204695.0	1.957326	Y
9	IC 140-47156/5	8.0	15.211336	4.8	204735.0	1.901417	Y
10	IC 140-47156/3	16.0	30.739679	4.8	199228.0	1.92123	Y



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

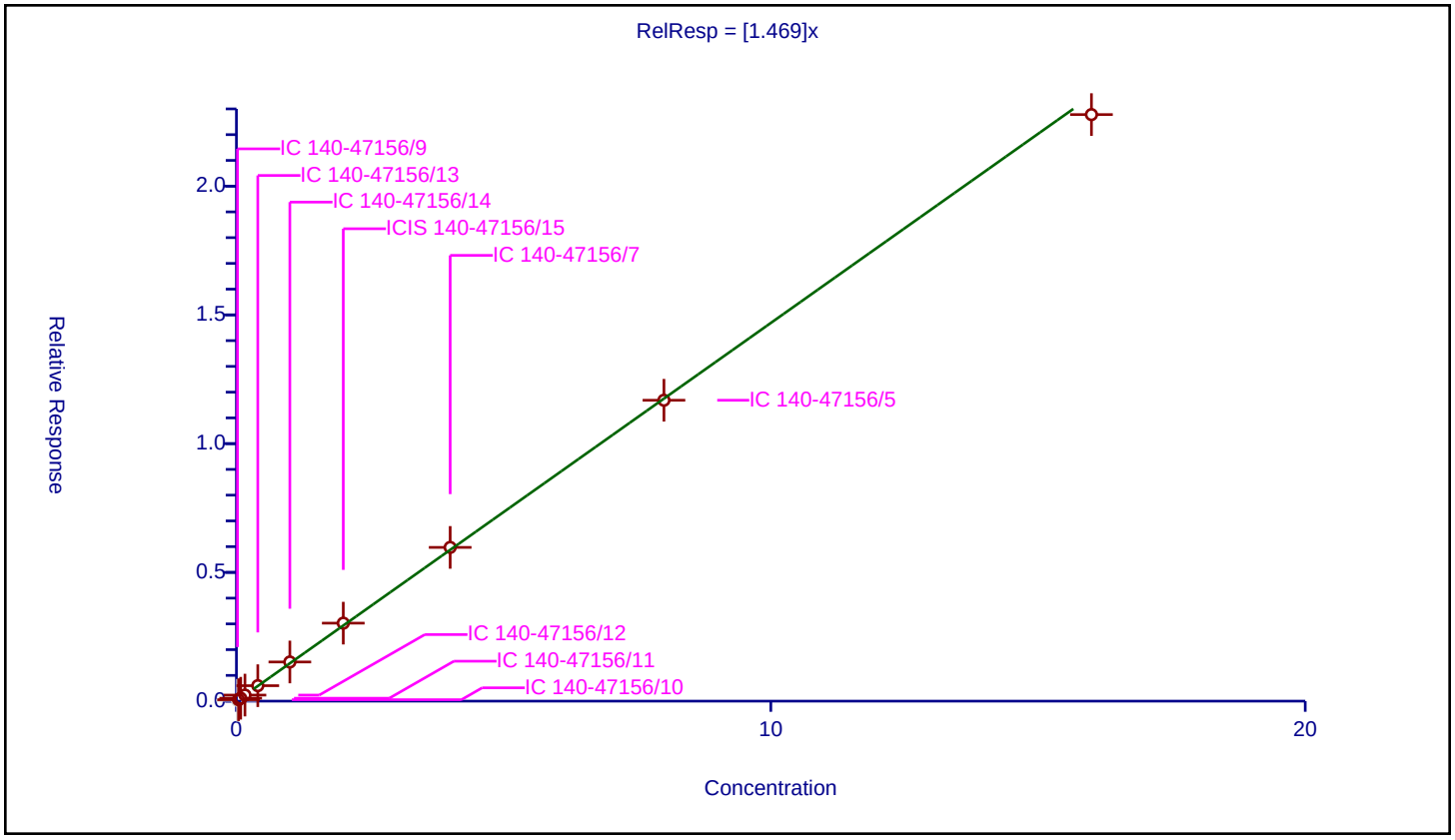
Curve Coefficients

Intercept:	0
Slope:	1.469

Error Coefficients

Standard Error:	392000
Relative Standard Error:	2.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.031829	4.8	203138.0	1.59143	N
2	IC 140-47156/10	0.04	0.056812	4.8	203534.0	1.420303	Y
3	IC 140-47156/11	0.08	0.11324	4.8	203758.0	1.415503	Y
4	IC 140-47156/12	0.16	0.234844	4.8	205372.0	1.467776	Y
5	IC 140-47156/13	0.4	0.600919	4.8	199702.0	1.502298	Y
6	IC 140-47156/14	1.0	1.520563	4.8	197147.0	1.520563	Y
7	ICIS 140-47156/15	2.0	3.028651	4.8	198883.0	1.514326	Y
8	IC 140-47156/7	4.0	5.970835	4.8	204695.0	1.492709	Y
9	IC 140-47156/5	8.0	11.684888	4.8	204735.0	1.460611	Y
10	IC 140-47156/3	16.0	22.77834	4.8	199228.0	1.423646	Y



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

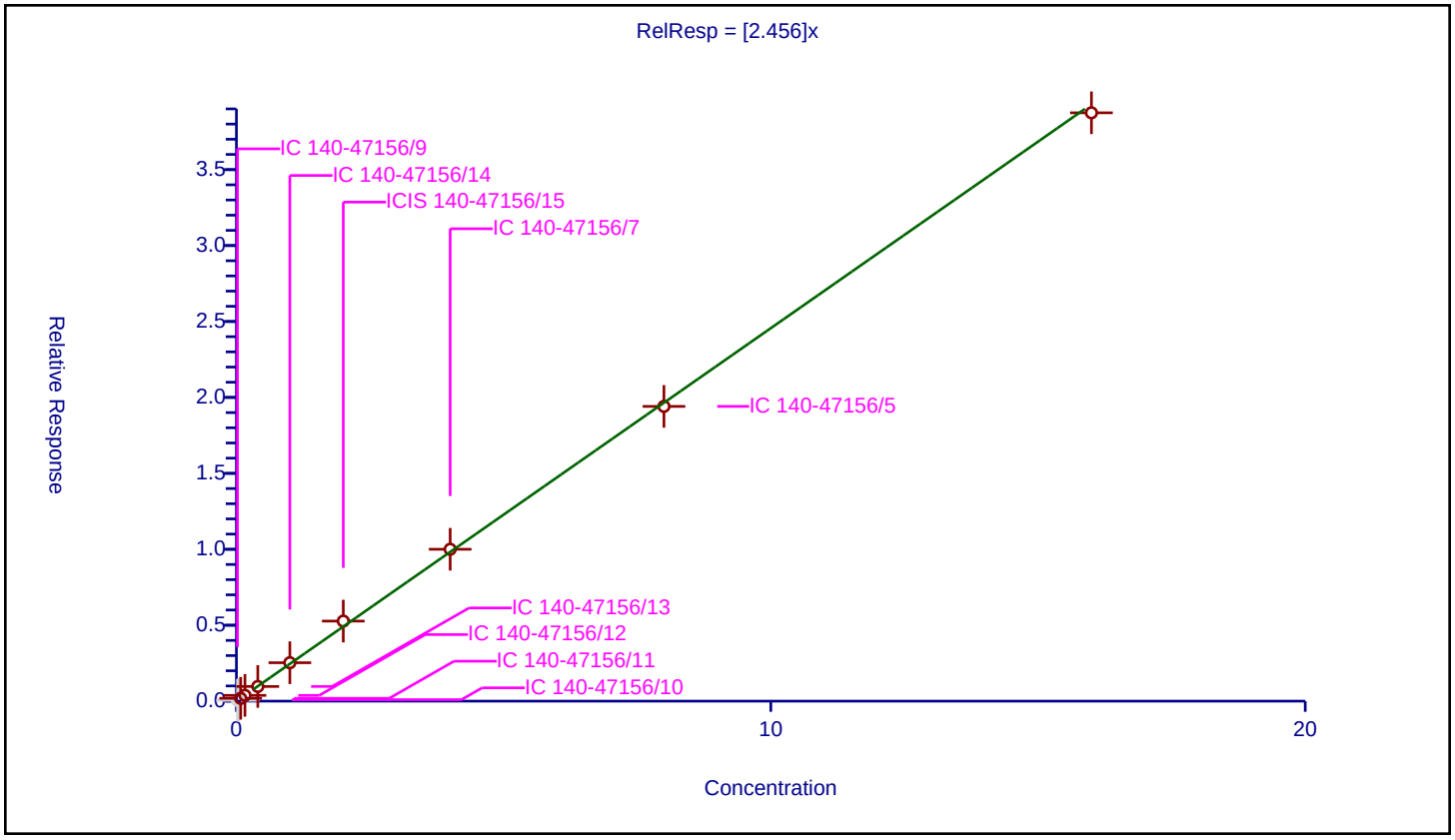
Curve Coefficients

Intercept:	0
Slope:	2.456

Error Coefficients

Standard Error:	708000
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 140-47156/9	0.02	0.051748	4.8	203138.0	2.587404	N
2	IC 140-47156/10	0.04	0.097305	4.8	203534.0	2.432616	N
3	IC 140-47156/11	0.08	0.187281	4.8	203758.0	2.341012	Y
4	IC 140-47156/12	0.16	0.380523	4.8	205372.0	2.37827	Y
5	IC 140-47156/13	0.4	0.966336	4.8	199702.0	2.41584	Y
6	IC 140-47156/14	1.0	2.529345	4.8	197147.0	2.529345	Y
7	ICIS 140-47156/15	2.0	5.27198	4.8	198883.0	2.63599	Y
8	IC 140-47156/7	4.0	10.001104	4.8	204695.0	2.500276	Y
9	IC 140-47156/5	8.0	19.40941	4.8	204735.0	2.426176	Y
10	IC 140-47156/3	16.0	38.742072	4.8	199228.0	2.42138	Y



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

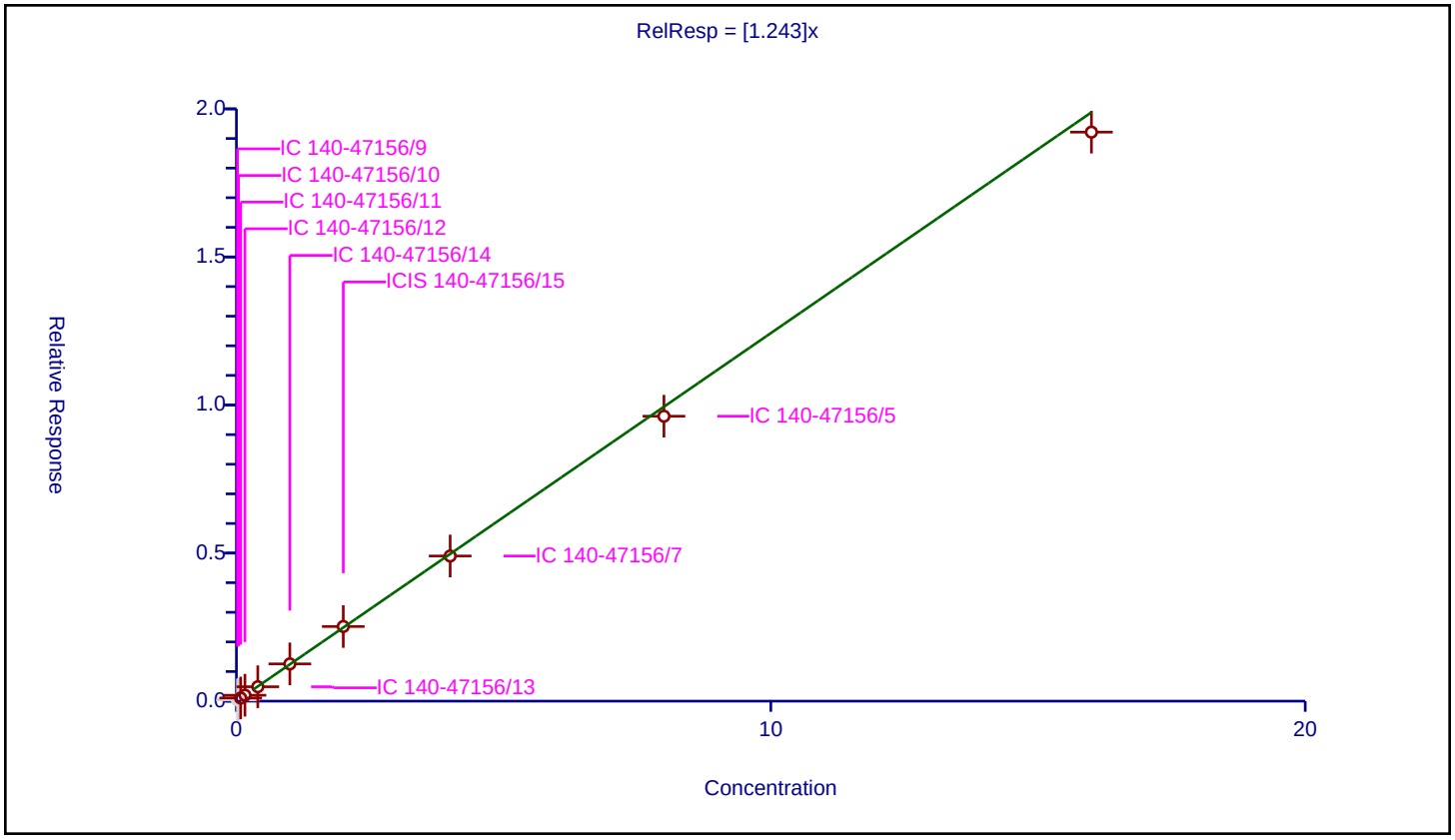
Curve Coefficients

Intercept:	0
Slope:	1.243

Error Coefficients

Standard Error:	351000
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 140-47156/9	0.02	0.040477	4.8	203138.0	2.023846	N
2	IC 140-47156/10	0.04	0.060892	4.8	203534.0	1.522301	N
3	IC 140-47156/11	0.08	0.106644	4.8	203758.0	1.333052	Y
4	IC 140-47156/12	0.16	0.199272	4.8	205372.0	1.245447	Y
5	IC 140-47156/13	0.4	0.486557	4.8	199702.0	1.216392	Y
6	IC 140-47156/14	1.0	1.257563	4.8	197147.0	1.257563	Y
7	ICIS 140-47156/15	2.0	2.520831	4.8	198883.0	1.260415	Y
8	IC 140-47156/7	4.0	4.901232	4.8	204695.0	1.225308	Y
9	IC 140-47156/5	8.0	9.621898	4.8	204735.0	1.202737	Y
10	IC 140-47156/3	16.0	19.214938	4.8	199228.0	1.200934	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

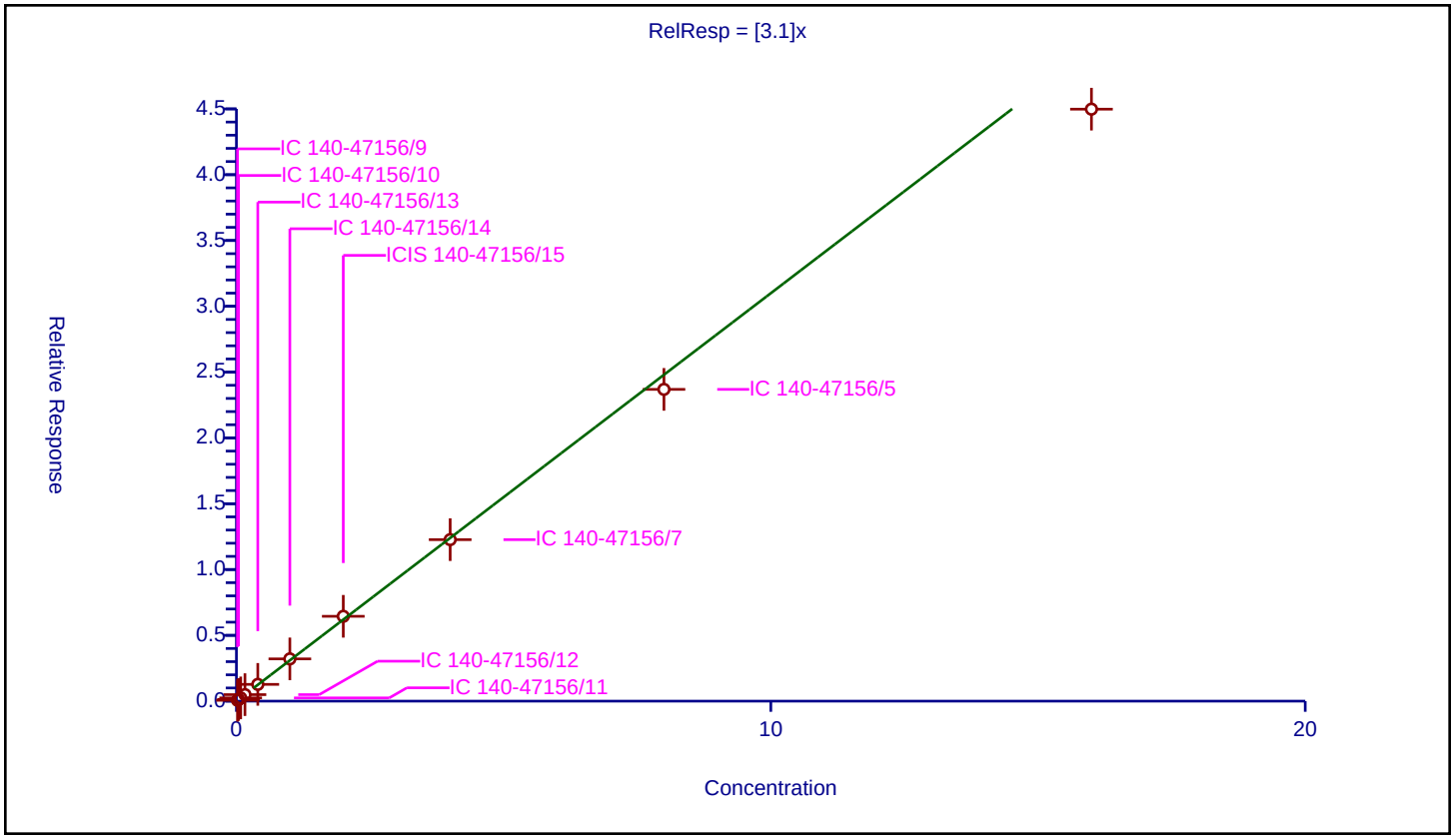
Curve Coefficients

Intercept:	0
Slope:	3.1

Error Coefficients

Standard Error:	736000
Relative Standard Error:	4.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.064224	4.8	203138.0	3.211216	Y
2	IC 140-47156/10	0.04	0.126147	4.8	203534.0	3.153675	Y
3	IC 140-47156/11	0.08	0.245962	4.8	203758.0	3.07453	Y
4	IC 140-47156/12	0.16	0.495678	4.8	205372.0	3.097988	Y
5	IC 140-47156/13	0.4	1.274018	4.8	199702.0	3.185046	Y
6	IC 140-47156/14	1.0	3.210534	4.8	197147.0	3.210534	Y
7	ICIS 140-47156/15	2.0	6.446041	4.8	198883.0	3.223021	Y
8	IC 140-47156/7	4.0	12.270127	4.8	204695.0	3.067532	Y
9	IC 140-47156/5	8.0	23.687549	4.8	204735.0	2.960944	Y
10	IC 140-47156/3	16.0	44.979051	4.8	199228.0	2.811191	Y



Calibration / Methylene Chloride

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

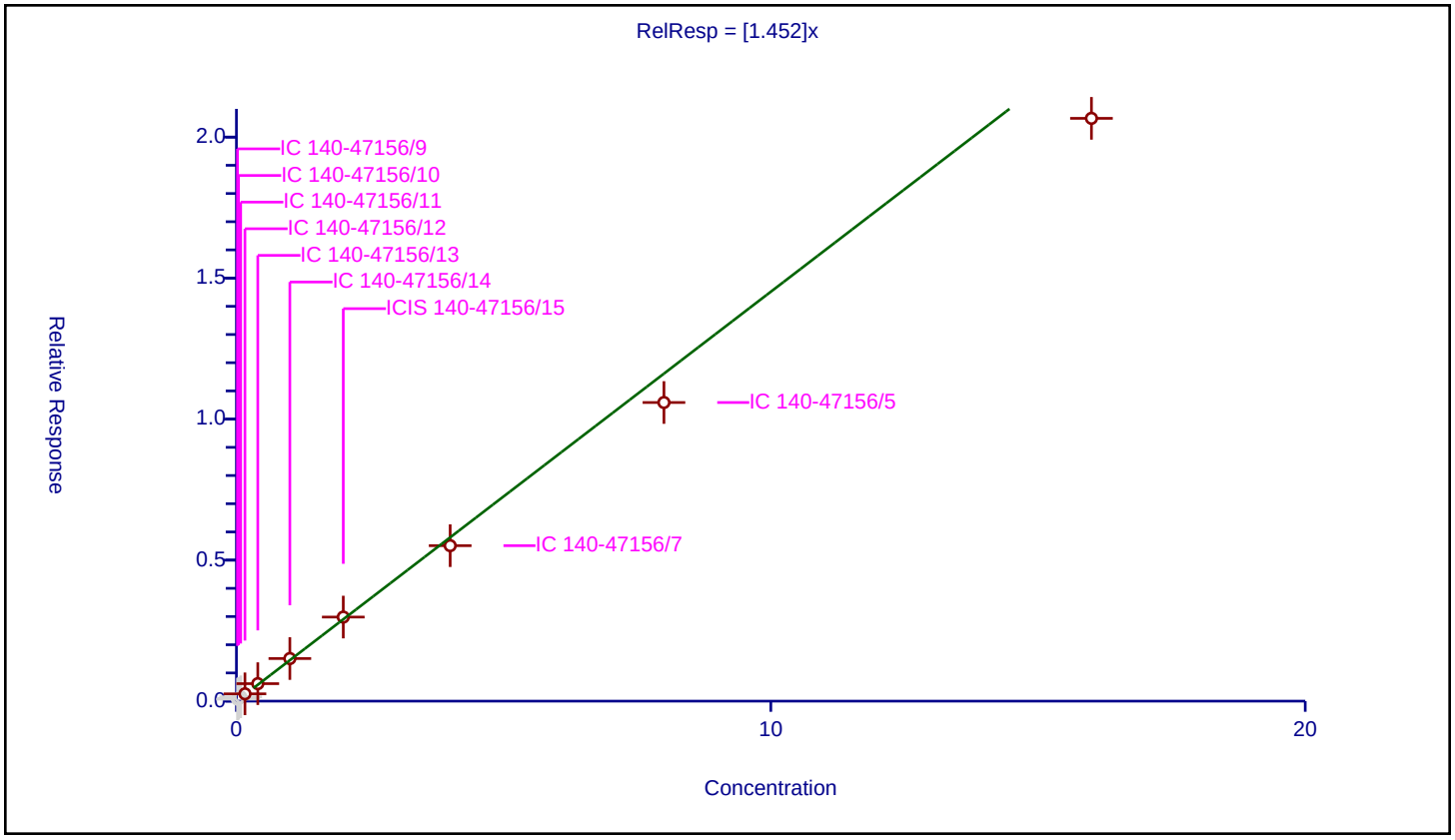
Curve Coefficients

Intercept:	0
Slope:	1.452

Error Coefficients

Standard Error:	411000
Relative Standard Error:	8.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.07025	4.8	203138.0	3.512489	N
2	IC 140-47156/10	0.04	0.098083	4.8	203534.0	2.452072	N
3	IC 140-47156/11	0.08	0.15423	4.8	203758.0	1.927875	N
4	IC 140-47156/12	0.16	0.258871	4.8	205372.0	1.617942	Y
5	IC 140-47156/13	0.4	0.619715	4.8	199702.0	1.549288	Y
6	IC 140-47156/14	1.0	1.510118	4.8	197147.0	1.510118	Y
7	ICIS 140-47156/15	2.0	2.981226	4.8	198883.0	1.490613	Y
8	IC 140-47156/7	4.0	5.512912	4.8	204695.0	1.378228	Y
9	IC 140-47156/5	8.0	10.589072	4.8	204735.0	1.323634	Y
10	IC 140-47156/3	16.0	20.664951	4.8	199228.0	1.291559	Y



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

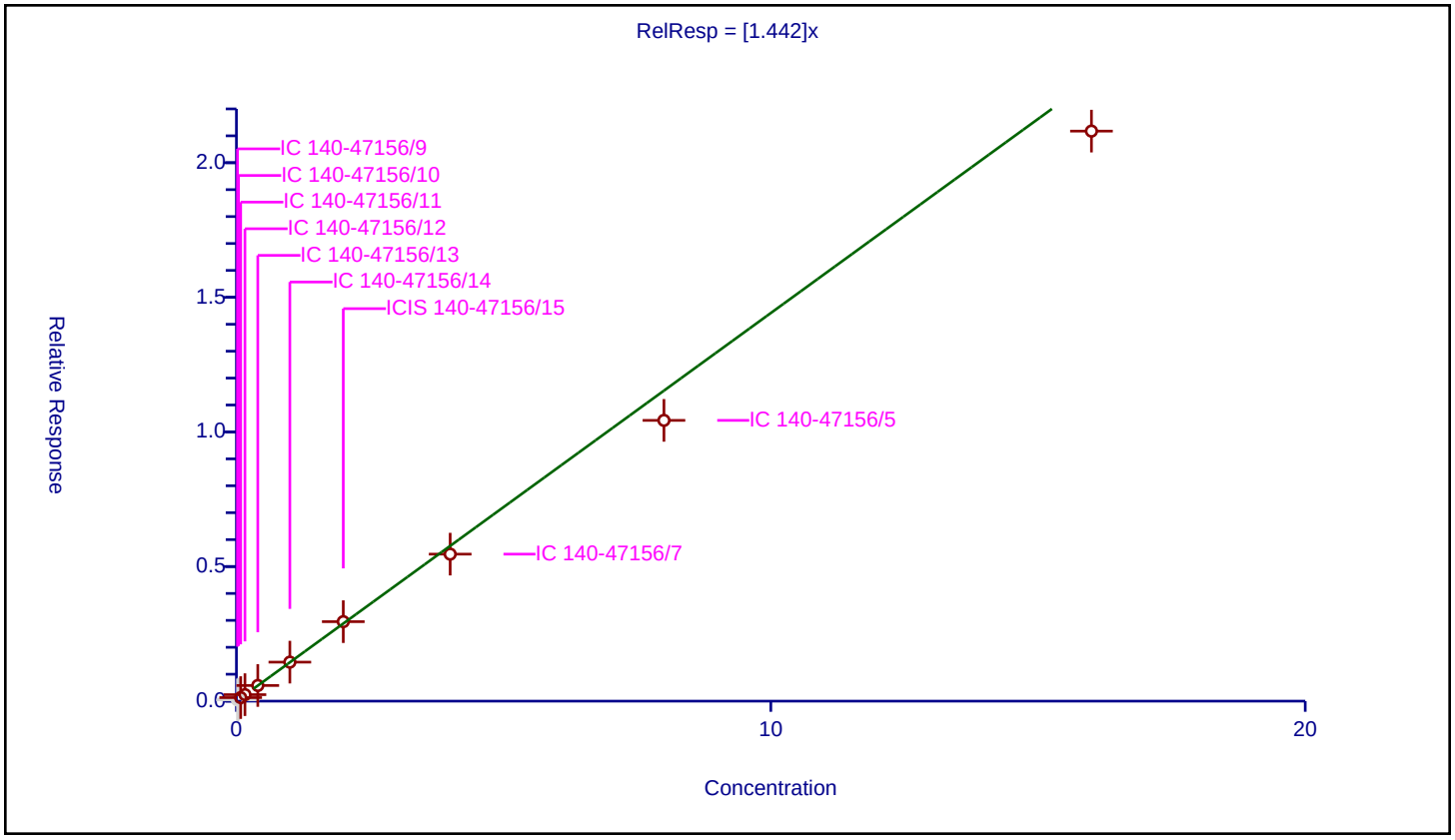
Curve Coefficients

Intercept:	0
Slope:	1.442

Error Coefficients

Standard Error:	386000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.045746	4.8	203138.0	2.287312	N
2	IC 140-47156/10	0.04	0.073014	4.8	203534.0	1.825346	N
3	IC 140-47156/11	0.08	0.132439	4.8	203758.0	1.655493	Y
4	IC 140-47156/12	0.16	0.241318	4.8	205372.0	1.508239	Y
5	IC 140-47156/13	0.4	0.580898	4.8	199702.0	1.452244	Y
6	IC 140-47156/14	1.0	1.448738	4.8	197147.0	1.448738	Y
7	ICIS 140-47156/15	2.0	2.952868	4.8	198883.0	1.476434	Y
8	IC 140-47156/7	4.0	5.461065	4.8	204695.0	1.365266	Y
9	IC 140-47156/5	8.0	10.429083	4.8	204735.0	1.303635	Y
10	IC 140-47156/3	16.0	21.174614	4.8	199228.0	1.323413	Y



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

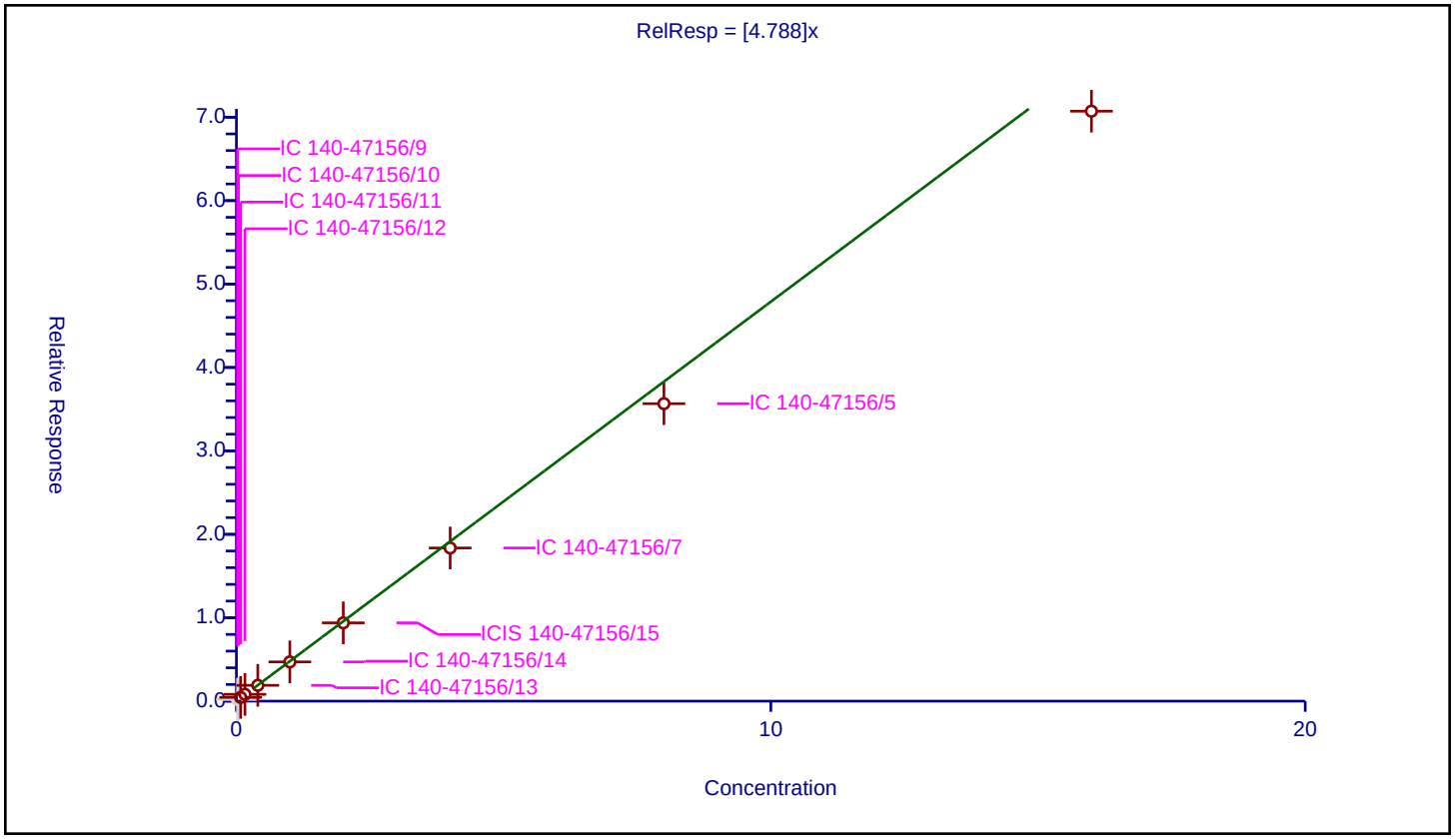
Curve Coefficients

Intercept:	0
Slope:	4.788

Error Coefficients

Standard Error:	1290000
Relative Standard Error:	8.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.197281	4.8	203138.0	9.864033	N
2	IC 140-47156/10	0.04	0.28623	4.8	203534.0	7.155758	N
3	IC 140-47156/11	0.08	0.448509	4.8	203758.0	5.606357	Y
4	IC 140-47156/12	0.16	0.815176	4.8	205372.0	5.094852	Y
5	IC 140-47156/13	0.4	1.895368	4.8	199702.0	4.73842	Y
6	IC 140-47156/14	1.0	4.706238	4.8	197147.0	4.706238	Y
7	ICIS 140-47156/15	2.0	9.384331	4.8	198883.0	4.692166	Y
8	IC 140-47156/7	4.0	18.359522	4.8	204695.0	4.589881	Y
9	IC 140-47156/5	8.0	35.661467	4.8	204735.0	4.457683	Y
10	IC 140-47156/3	16.0	70.721168	4.8	199228.0	4.420073	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

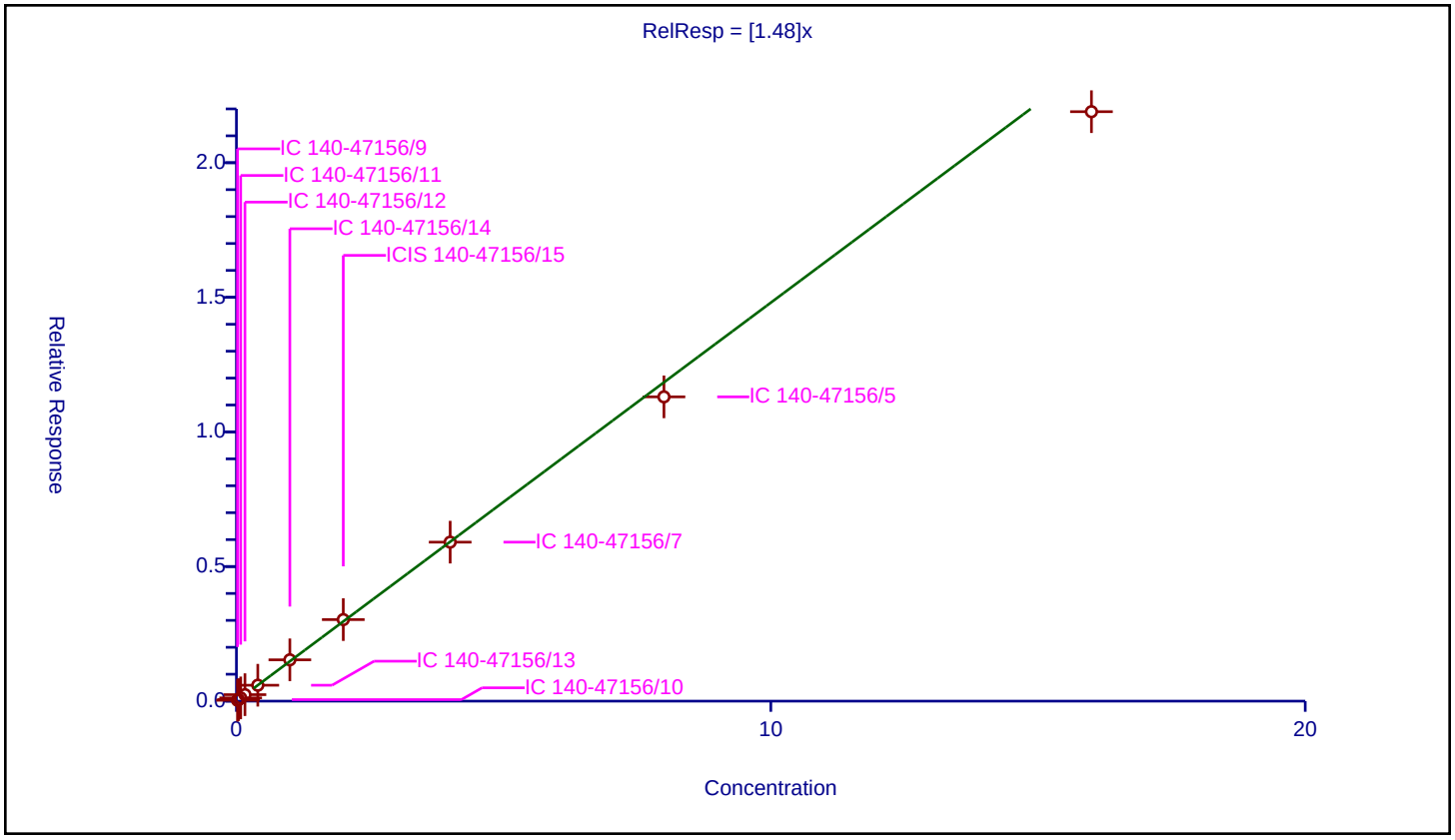
Curve Coefficients

Intercept:	0
Slope:	1.48

Error Coefficients

Standard Error:	356000
Relative Standard Error:	4.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.03197	4.8	203138.0	1.598519	Y
2	IC 140-47156/10	0.04	0.056529	4.8	203534.0	1.413228	Y
3	IC 140-47156/11	0.08	0.120072	4.8	203758.0	1.500898	Y
4	IC 140-47156/12	0.16	0.240851	4.8	205372.0	1.505317	Y
5	IC 140-47156/13	0.4	0.59068	4.8	199702.0	1.4767	Y
6	IC 140-47156/14	1.0	1.534952	4.8	197147.0	1.534952	Y
7	ICIS 140-47156/15	2.0	3.028651	4.8	198883.0	1.514326	Y
8	IC 140-47156/7	4.0	5.906067	4.8	204695.0	1.476517	Y
9	IC 140-47156/5	8.0	11.302642	4.8	204735.0	1.41283	Y
10	IC 140-47156/3	16.0	21.896585	4.8	199228.0	1.368537	Y



Calibration / 2-Methylpentane

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

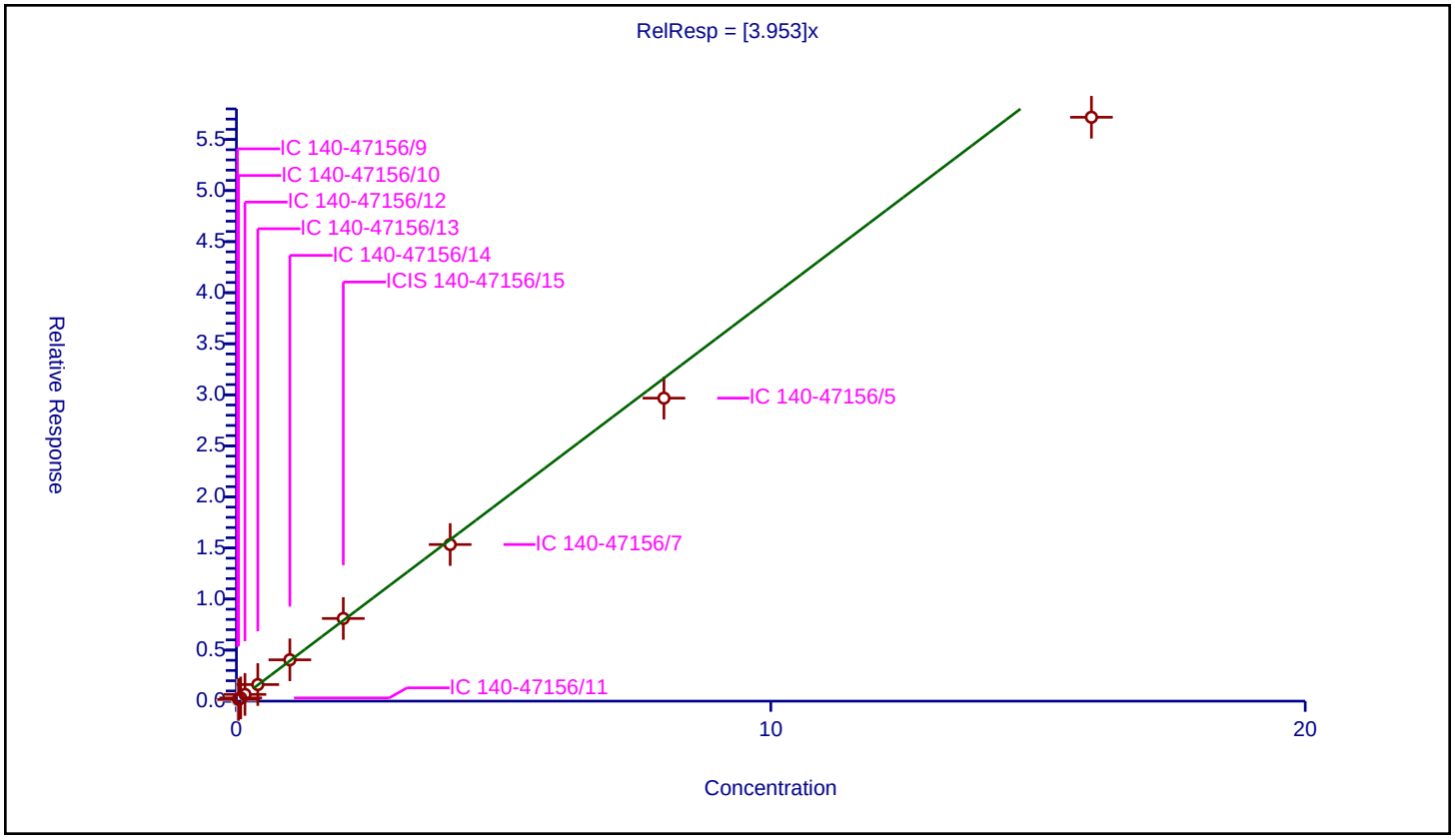
Curve Coefficients

Intercept:	0
Slope:	3.953

Error Coefficients

Standard Error:	988000
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 140-47156/9	0.02	0.091705	4.8	203138.0	4.585257	N
2	IC 140-47156/10	0.04	0.169988	4.8	203534.0	4.249708	Y
3	IC 140-47156/11	0.08	0.314679	4.8	203758.0	3.93349	Y
4	IC 140-47156/12	0.16	0.659845	4.8	205372.0	4.124029	Y
5	IC 140-47156/13	0.4	1.623163	4.8	199702.0	4.057906	Y
6	IC 140-47156/14	1.0	4.047473	4.8	197147.0	4.047473	Y
7	ICIS 140-47156/15	2.0	8.096113	4.8	198883.0	4.048056	Y
8	IC 140-47156/7	4.0	15.337395	4.8	204695.0	3.834349	Y
9	IC 140-47156/5	8.0	29.673371	4.8	204735.0	3.709171	Y
10	IC 140-47156/3	16.0	57.181938	4.8	199228.0	3.573871	Y



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

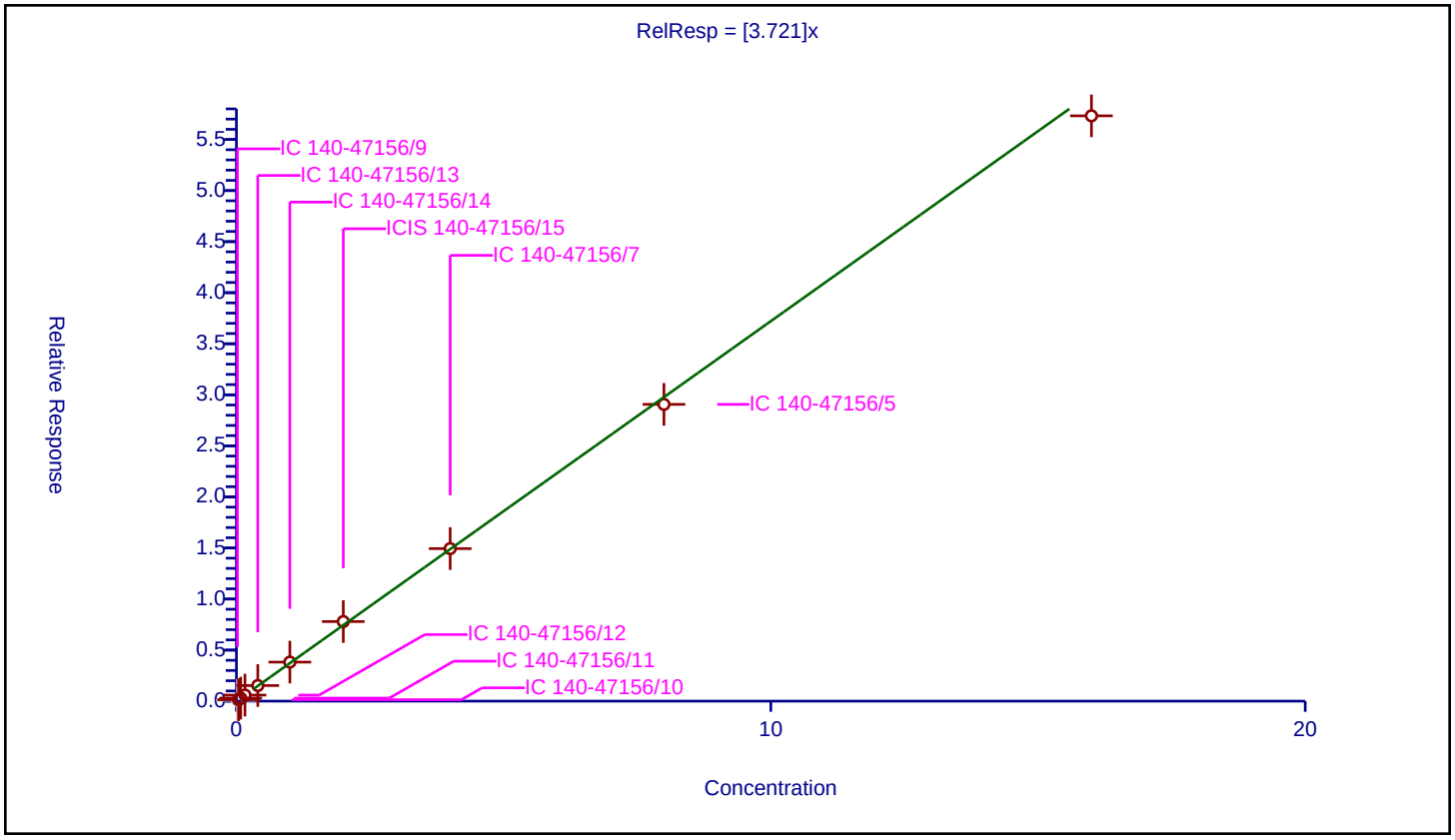
Curve Coefficients

Intercept:	0
Slope:	3.721

Error Coefficients

Standard Error:	983000
Relative Standard Error:	3.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.08386	4.8	203138.0	4.193012	N
2	IC 140-47156/10	0.04	0.142915	4.8	203534.0	3.572867	Y
3	IC 140-47156/11	0.08	0.297176	4.8	203758.0	3.714701	Y
4	IC 140-47156/12	0.16	0.594239	4.8	205372.0	3.713992	Y
5	IC 140-47156/13	0.4	1.526731	4.8	199702.0	3.816827	Y
6	IC 140-47156/14	1.0	3.8236	4.8	197147.0	3.8236	Y
7	ICIS 140-47156/15	2.0	7.796166	4.8	198883.0	3.898083	Y
8	IC 140-47156/7	4.0	14.93812	4.8	204695.0	3.73453	Y
9	IC 140-47156/5	8.0	29.063052	4.8	204735.0	3.632882	Y
10	IC 140-47156/3	16.0	57.320425	4.8	199228.0	3.582527	Y



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

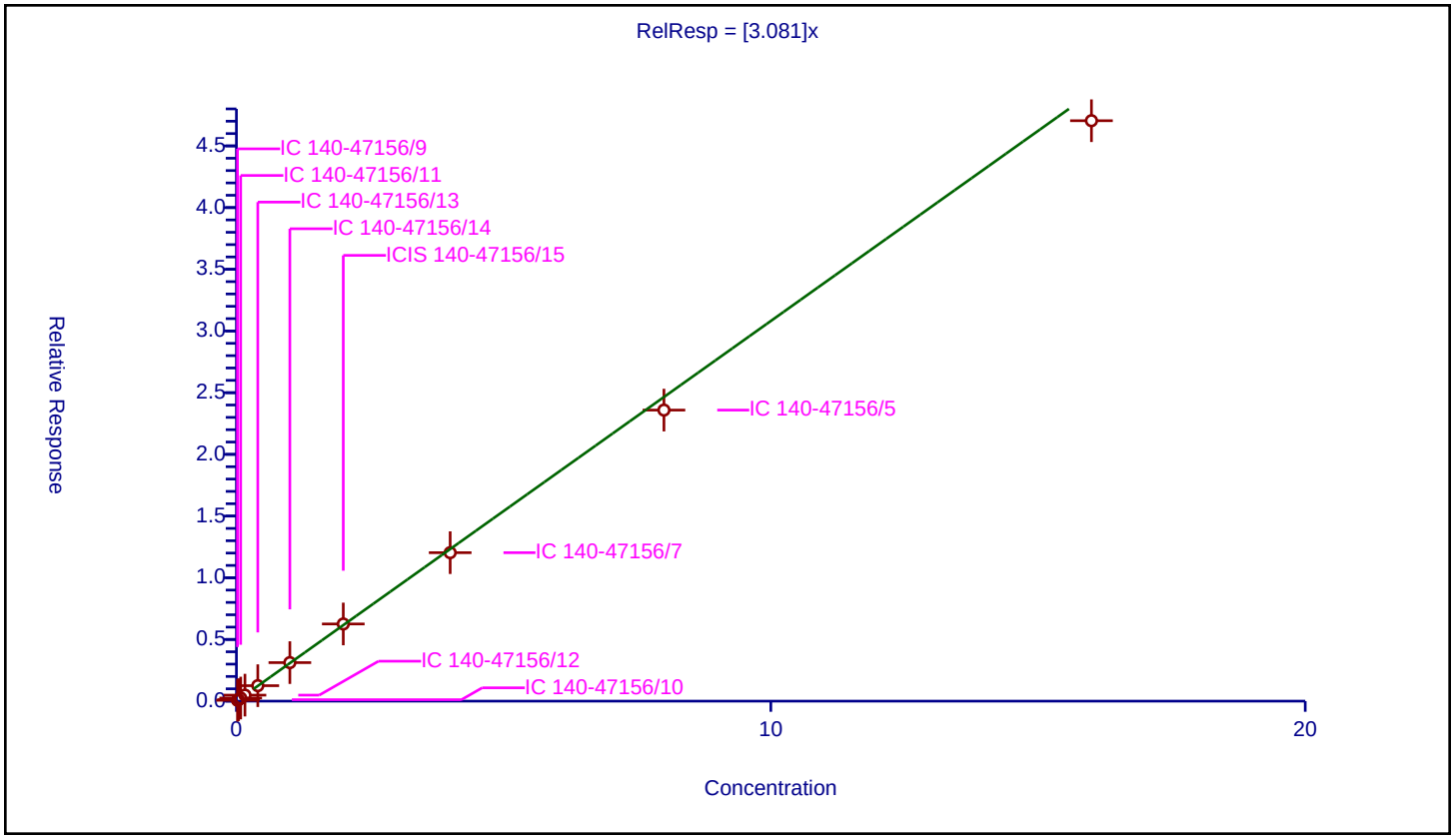
Curve Coefficients

Intercept:	0
Slope:	3.081

Error Coefficients

Standard Error:	758000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.068289	4.8	203138.0	3.414428	Y
2	IC 140-47156/10	0.04	0.11728	4.8	203534.0	2.931992	Y
3	IC 140-47156/11	0.08	0.251593	4.8	203758.0	3.144907	Y
4	IC 140-47156/12	0.16	0.486166	4.8	205372.0	3.038535	Y
5	IC 140-47156/13	0.4	1.253636	4.8	199702.0	3.13409	Y
6	IC 140-47156/14	1.0	3.121594	4.8	197147.0	3.121594	Y
7	ICIS 140-47156/15	2.0	6.255618	4.8	198883.0	3.127809	Y
8	IC 140-47156/7	4.0	12.032607	4.8	204695.0	3.008152	Y
9	IC 140-47156/5	8.0	23.588354	4.8	204735.0	2.948544	Y
10	IC 140-47156/3	16.0	47.042062	4.8	199228.0	2.940129	Y



Calibration / Vinyl acetate

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

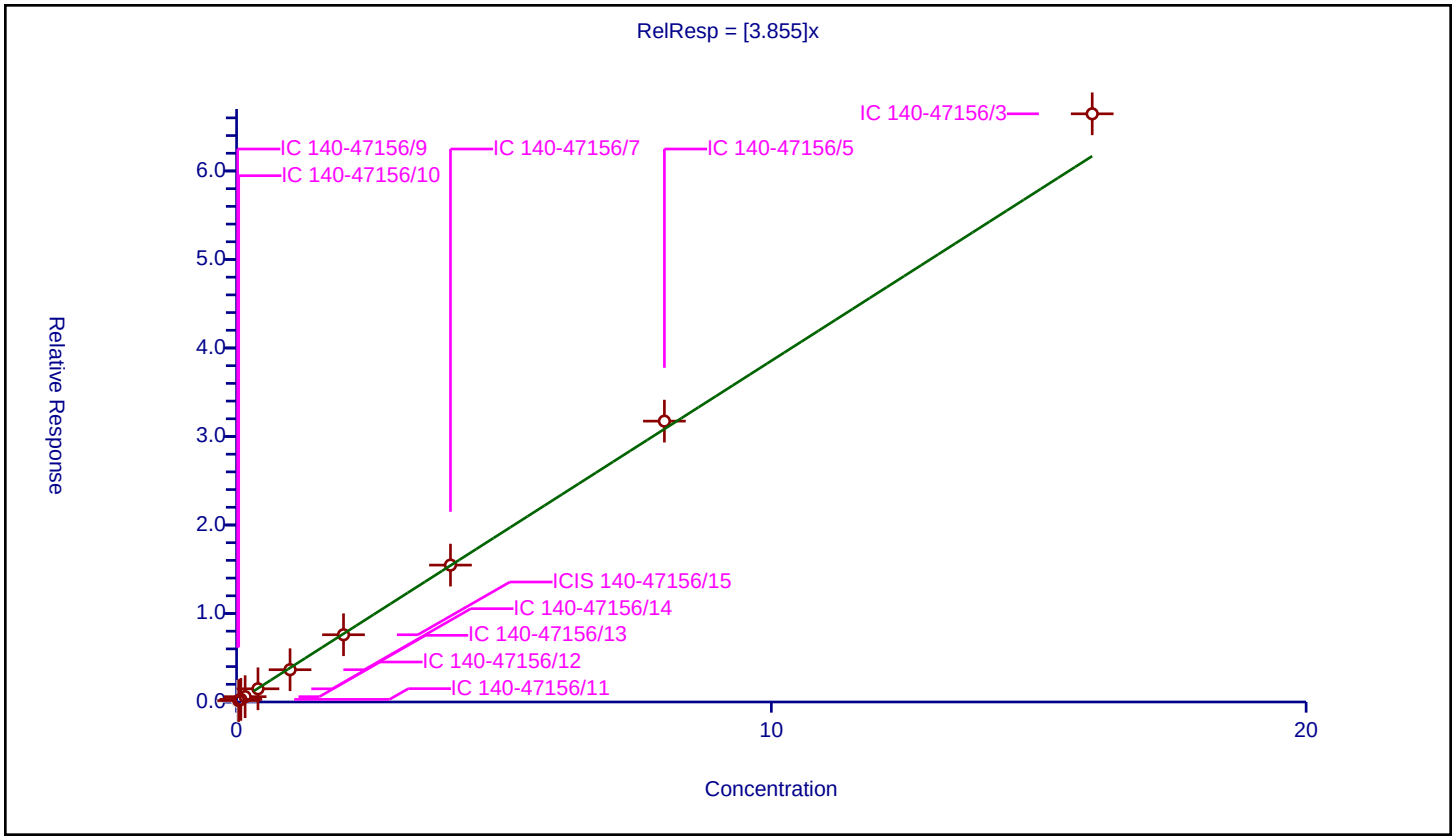
Curve Coefficients

Intercept:	0
Slope:	3.855

Error Coefficients

Standard Error:	1120000
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 140-47156/9	0.02	0.086318	4.8	203138.0	4.315884	N
2	IC 140-47156/10	0.04	0.164635	4.8	203534.0	4.115873	Y
3	IC 140-47156/11	0.08	0.293218	4.8	203758.0	3.66523	Y
4	IC 140-47156/12	0.16	0.60118	4.8	205372.0	3.757377	Y
5	IC 140-47156/13	0.4	1.488658	4.8	199702.0	3.721645	Y
6	IC 140-47156/14	1.0	3.648664	4.8	197147.0	3.648664	Y
7	ICIS 140-47156/15	2.0	7.596185	4.8	198883.0	3.798092	Y
8	IC 140-47156/7	4.0	15.468384	4.8	204695.0	3.867096	Y
9	IC 140-47156/5	8.0	31.73383	4.8	204735.0	3.966729	Y
10	IC 140-47156/3	16.0	66.458803	4.8	199228.0	4.153675	Y



Calibration / 2-Butanone (MEK)

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

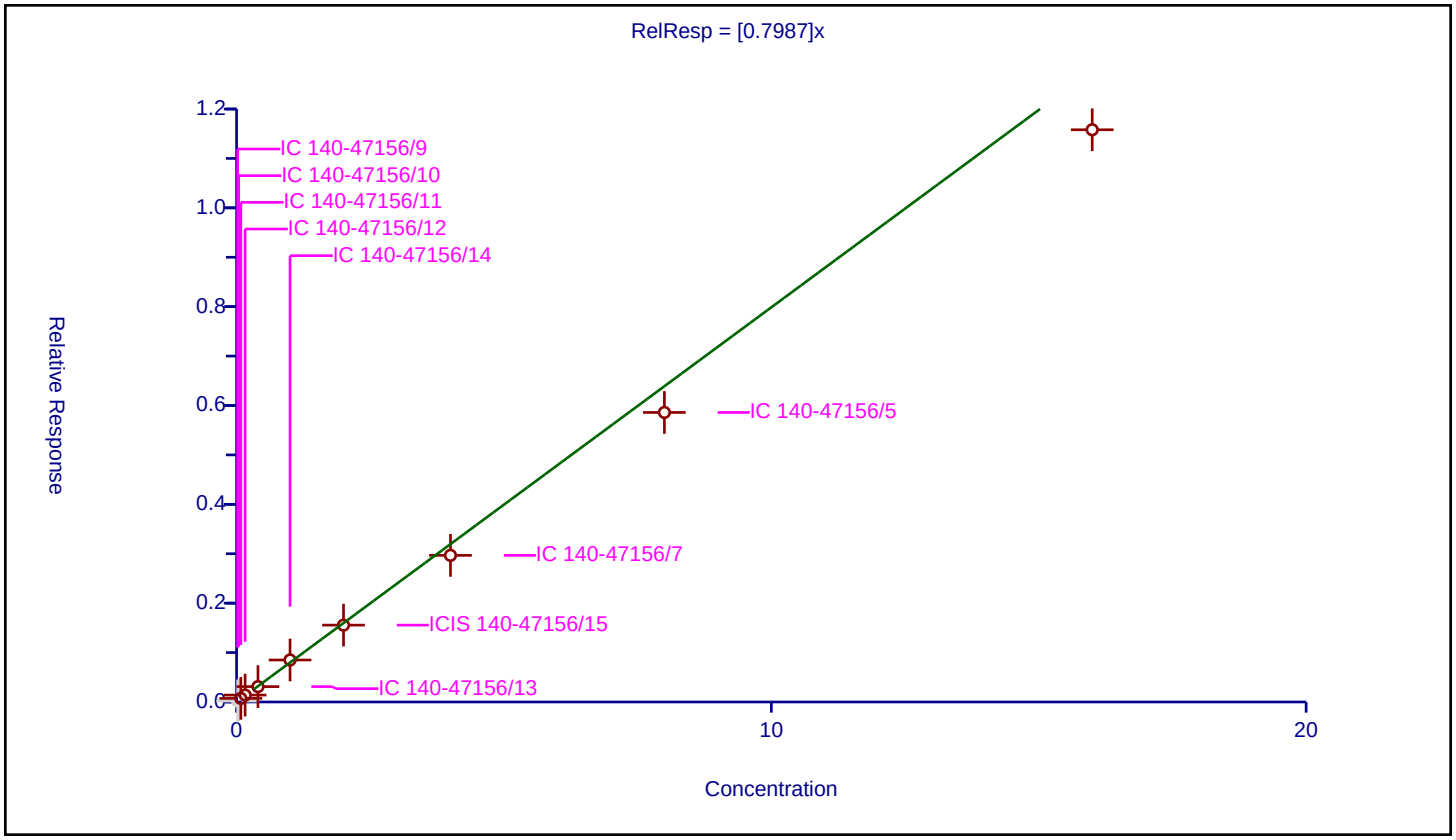
Curve Coefficients

Intercept:	0
Slope:	0.7987

Error Coefficients

Standard Error:	212000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.018454	4.8	203138.0	0.922722	N
2	IC 140-47156/10	0.04	0.042238	4.8	203534.0	1.055942	N
3	IC 140-47156/11	0.08	0.072934	4.8	203758.0	0.91167	Y
4	IC 140-47156/12	0.16	0.140023	4.8	205372.0	0.875144	Y
5	IC 140-47156/13	0.4	0.310879	4.8	199702.0	0.777198	Y
6	IC 140-47156/14	1.0	0.84977	4.8	197147.0	0.84977	Y
7	ICIS 140-47156/15	2.0	1.555584	4.8	198883.0	0.777792	Y
8	IC 140-47156/7	4.0	2.967092	4.8	204695.0	0.741773	Y
9	IC 140-47156/5	8.0	5.859453	4.8	204735.0	0.732432	Y
10	IC 140-47156/3	16.0	11.580324	4.8	199228.0	0.72377	Y



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

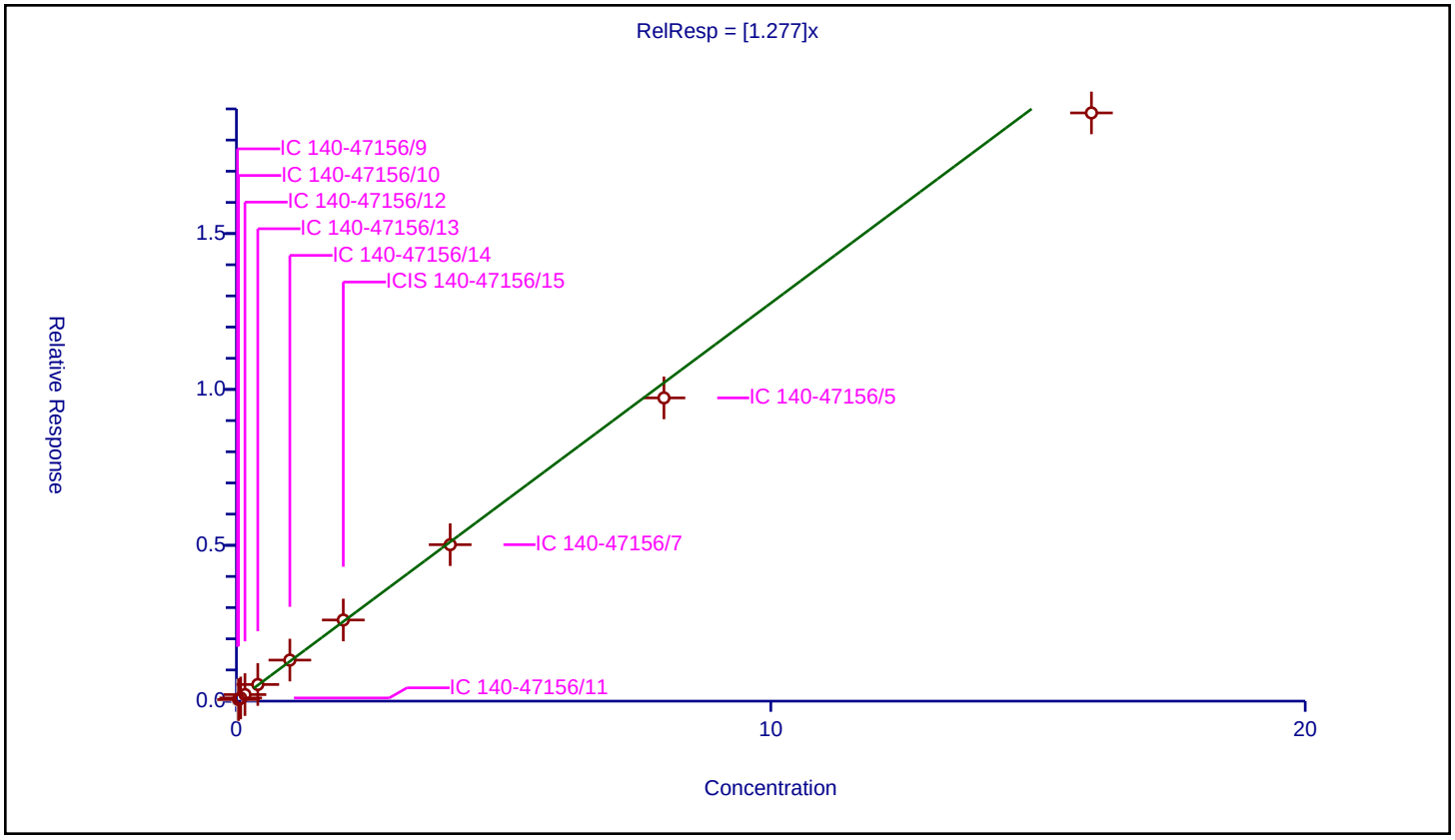
Curve Coefficients

Intercept:	0
Slope:	1.277

Error Coefficients

Standard Error:	325000
Relative Standard Error:	4.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.032325	4.8	203138.0	1.616241	N
2	IC 140-47156/10	0.04	0.051954	4.8	203534.0	1.298849	Y
3	IC 140-47156/11	0.08	0.101791	4.8	203758.0	1.272392	Y
4	IC 140-47156/12	0.16	0.210724	4.8	205372.0	1.317025	Y
5	IC 140-47156/13	0.4	0.533547	4.8	199702.0	1.333867	Y
6	IC 140-47156/14	1.0	1.31719	4.8	197147.0	1.31719	Y
7	ICIS 140-47156/15	2.0	2.603493	4.8	198883.0	1.301746	Y
8	IC 140-47156/7	4.0	5.019159	4.8	204695.0	1.25479	Y
9	IC 140-47156/5	8.0	9.728197	4.8	204735.0	1.216025	Y
10	IC 140-47156/3	16.0	18.870793	4.8	199228.0	1.179425	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

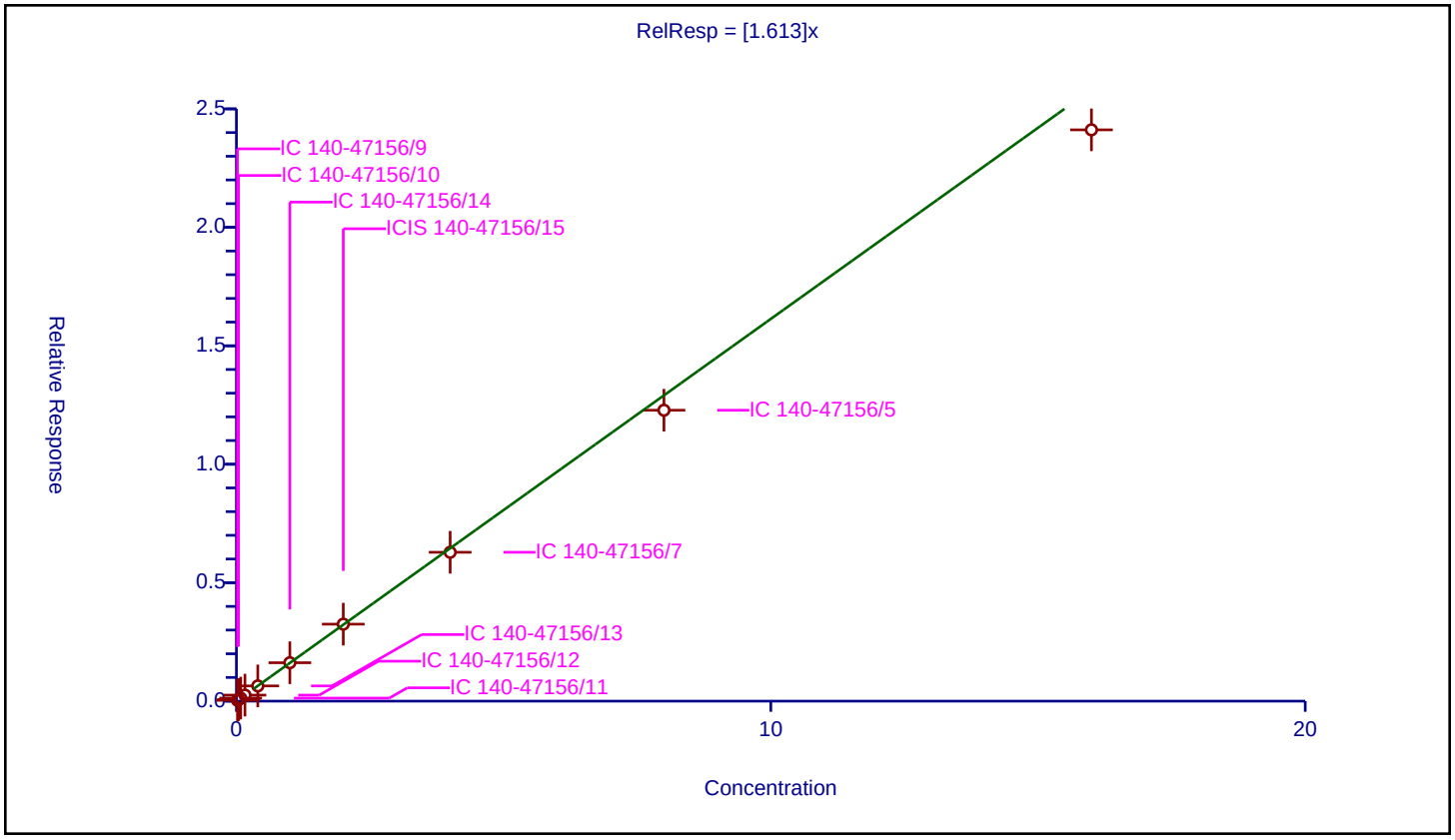
Curve Coefficients

Intercept:	0
Slope:	1.613

Error Coefficients

Standard Error:	390000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.035775	4.8	203138.0	1.788735	Y
2	IC 140-47156/10	0.04	0.067943	4.8	203534.0	1.698586	Y
3	IC 140-47156/11	0.08	0.127163	4.8	203758.0	1.589533	Y
4	IC 140-47156/12	0.16	0.2545	4.8	205372.0	1.590626	Y
5	IC 140-47156/13	0.4	0.642862	4.8	199702.0	1.607155	Y
6	IC 140-47156/14	1.0	1.621653	4.8	197147.0	1.621653	Y
7	ICIS 140-47156/15	2.0	3.249871	4.8	198883.0	1.624935	Y
8	IC 140-47156/7	4.0	6.283745	4.8	204695.0	1.570936	Y
9	IC 140-47156/5	8.0	12.280155	4.8	204735.0	1.535019	Y
10	IC 140-47156/3	16.0	24.115309	4.8	199228.0	1.507207	Y



Calibration / Ethyl acetate

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

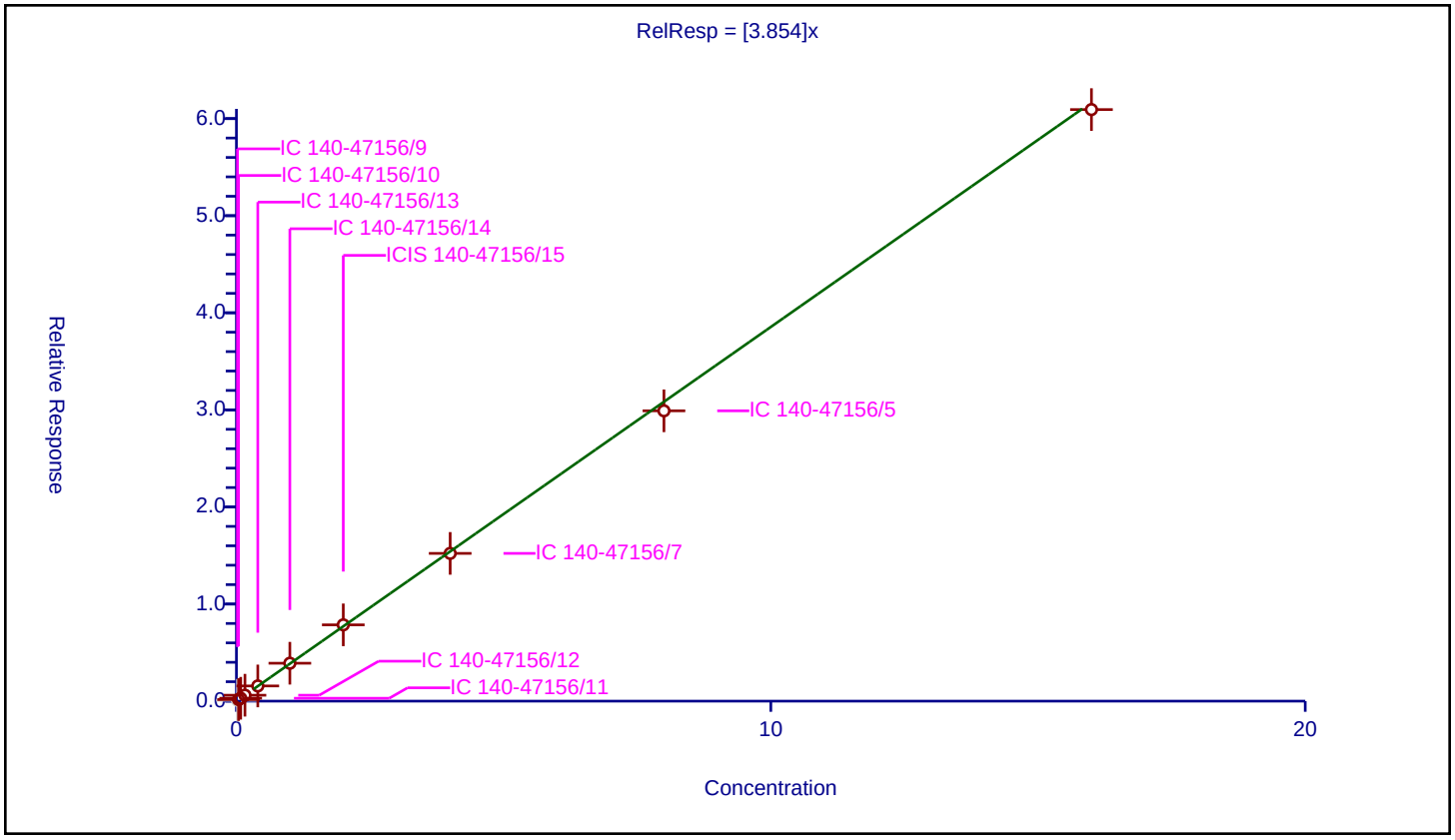
Curve Coefficients

Intercept:	0
Slope:	3.854

Error Coefficients

Standard Error:	1040000
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 140-47156/9	0.02	0.092485	4.8	203138.0	4.624246	N
2	IC 140-47156/10	0.04	0.162677	4.8	203534.0	4.066937	Y
3	IC 140-47156/11	0.08	0.29654	4.8	203758.0	3.70675	Y
4	IC 140-47156/12	0.16	0.610202	4.8	205372.0	3.813762	Y
5	IC 140-47156/13	0.4	1.566029	4.8	199702.0	3.915073	Y
6	IC 140-47156/14	1.0	3.9038	4.8	197147.0	3.9038	Y
7	ICIS 140-47156/15	2.0	7.859278	4.8	198883.0	3.929639	Y
8	IC 140-47156/7	4.0	15.218154	4.8	204695.0	3.804538	Y
9	IC 140-47156/5	8.0	29.902451	4.8	204735.0	3.737806	Y
10	IC 140-47156/3	16.0	60.928713	4.8	199228.0	3.808045	Y



Calibration / Chloroform

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

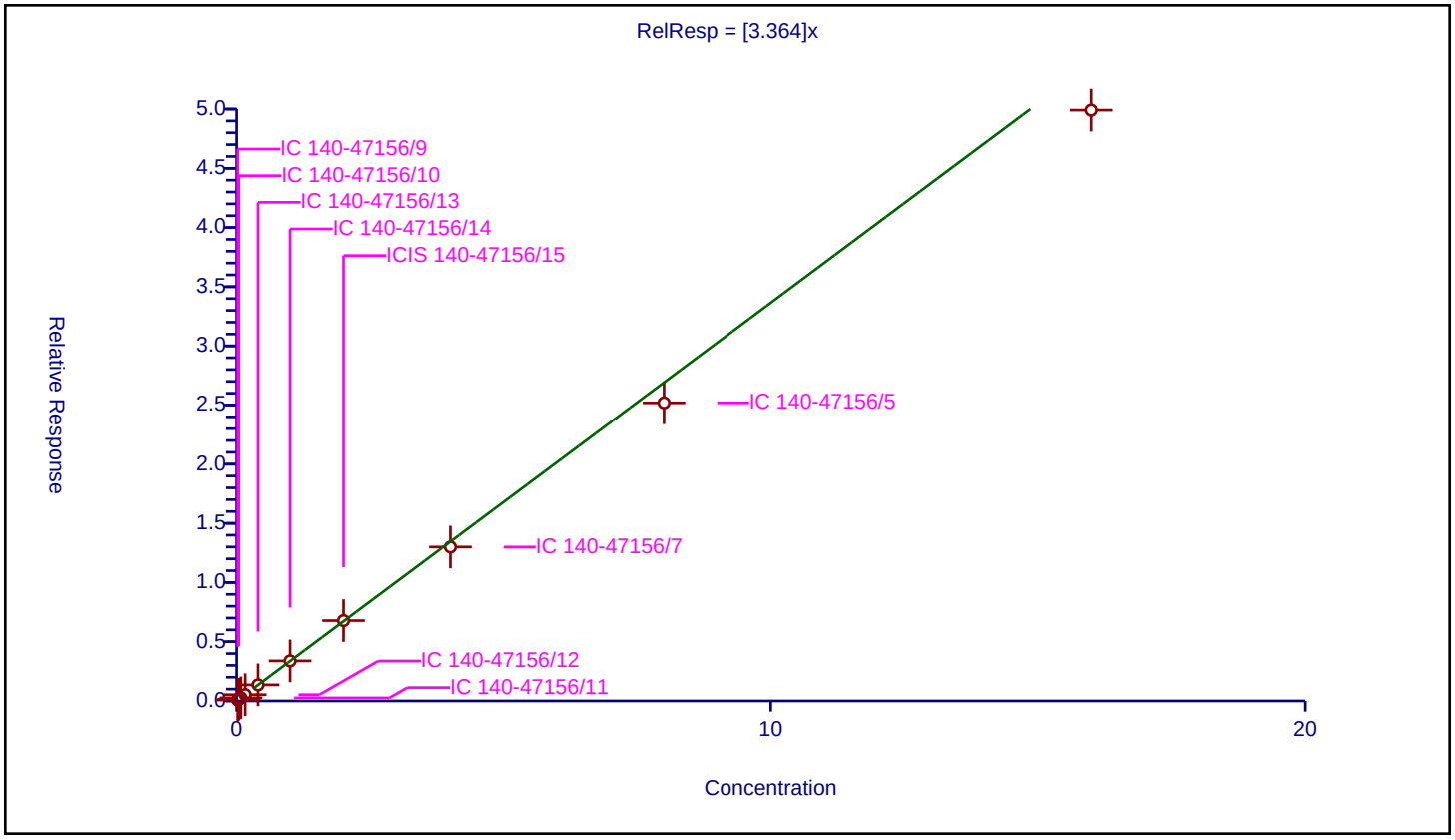
Curve Coefficients

Intercept:	0
Slope:	3.364

Error Coefficients

Standard Error:	807000
Relative Standard Error:	6.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.077126	4.8	203138.0	3.856295	Y
2	IC 140-47156/10	0.04	0.141971	4.8	203534.0	3.549284	Y
3	IC 140-47156/11	0.08	0.259791	4.8	203758.0	3.247382	Y
4	IC 140-47156/12	0.16	0.529007	4.8	205372.0	3.306293	Y
5	IC 140-47156/13	0.4	1.356341	4.8	199702.0	3.390852	Y
6	IC 140-47156/14	1.0	3.380235	4.8	197147.0	3.380235	Y
7	ICIS 140-47156/15	2.0	6.78499	4.8	198883.0	3.392495	Y
8	IC 140-47156/7	4.0	13.001095	4.8	204695.0	3.250274	Y
9	IC 140-47156/5	8.0	25.186853	4.8	204735.0	3.148357	Y
10	IC 140-47156/3	16.0	49.910478	4.8	199228.0	3.119405	Y



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

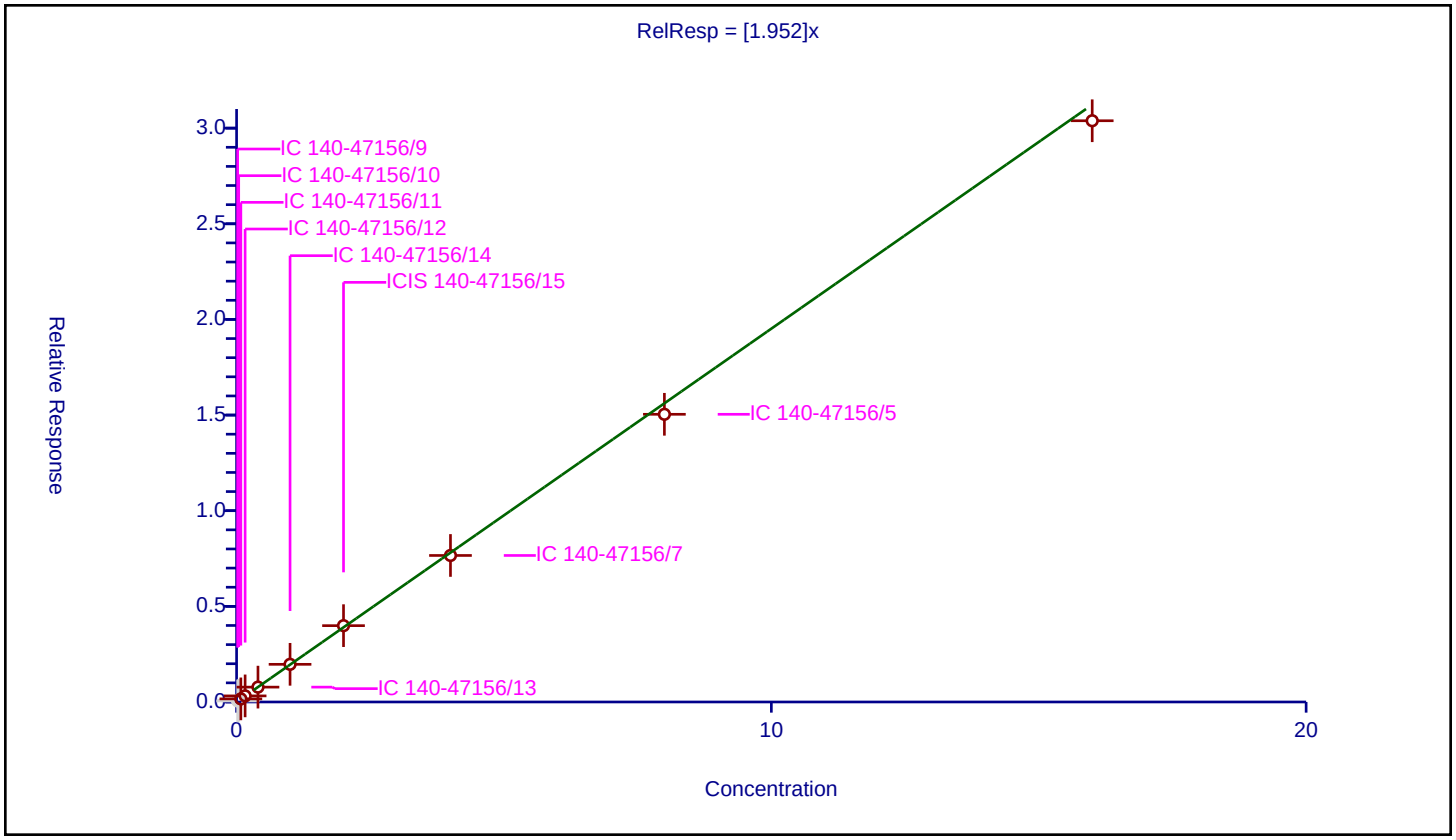
Curve Coefficients

Intercept:	0
Slope:	1.952

Error Coefficients

Standard Error:	553000
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 140-47156/9	0.02	0.05352	4.8	203138.0	2.676013	N
2	IC 140-47156/10	0.04	0.089404	4.8	203534.0	2.235106	N
3	IC 140-47156/11	0.08	0.161721	4.8	203758.0	2.021516	Y
4	IC 140-47156/12	0.16	0.318236	4.8	205372.0	1.988976	Y
5	IC 140-47156/13	0.4	0.777751	4.8	199702.0	1.944377	Y
6	IC 140-47156/14	1.0	1.969259	4.8	197147.0	1.969259	Y
7	ICIS 140-47156/15	2.0	3.99064	4.8	198883.0	1.99532	Y
8	IC 140-47156/7	4.0	7.659529	4.8	204695.0	1.914882	Y
9	IC 140-47156/5	8.0	15.039789	4.8	204735.0	1.879974	Y
10	IC 140-47156/3	16.0	30.387247	4.8	199228.0	1.899203	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

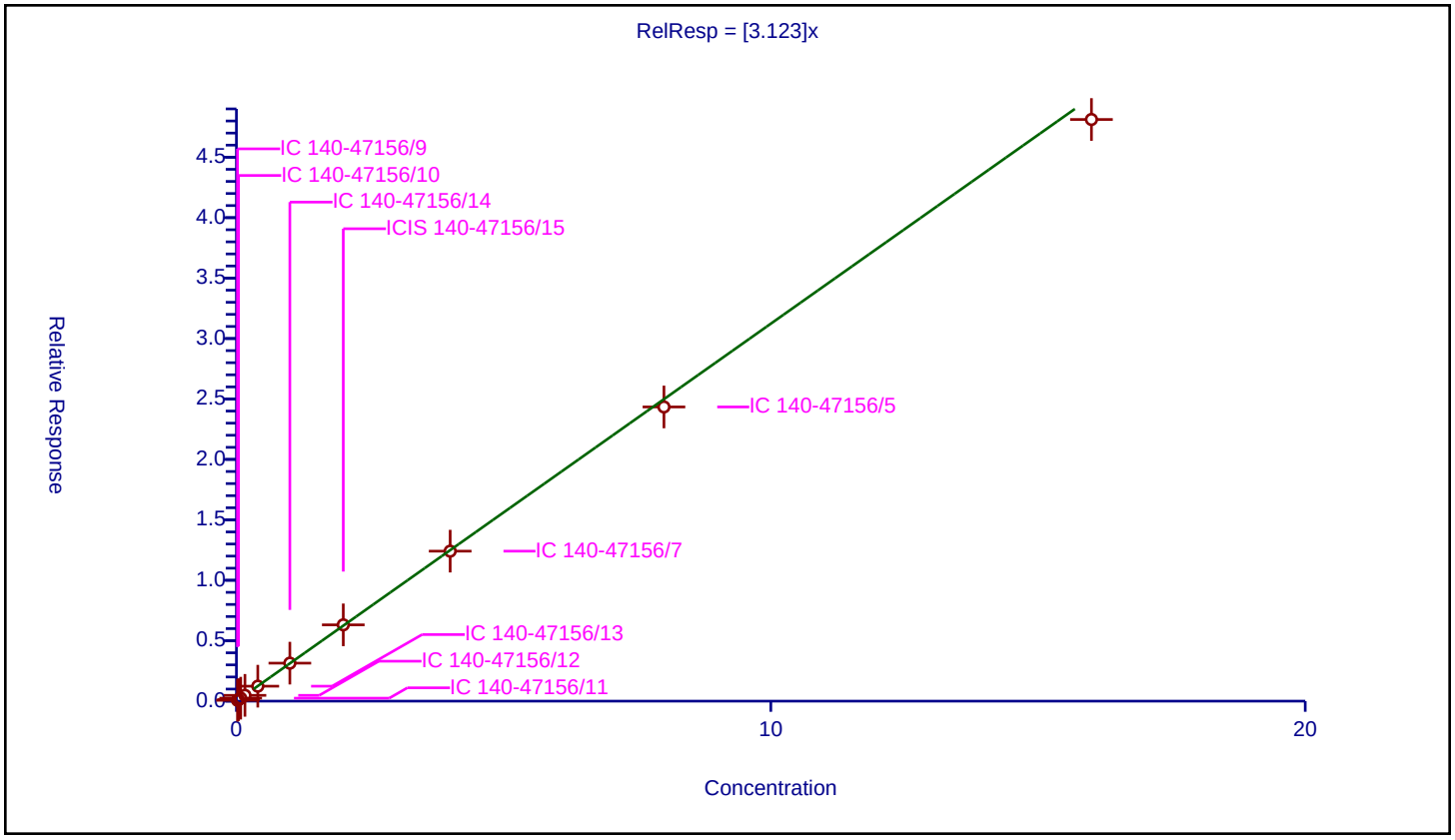
Curve Coefficients

Intercept:	0
Slope:	3.123

Error Coefficients

Standard Error:	777000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.069635	4.8	203138.0	3.481771	Y
2	IC 140-47156/10	0.04	0.125062	4.8	203534.0	3.126554	Y
3	IC 140-47156/11	0.08	0.24641	4.8	203758.0	3.080124	Y
4	IC 140-47156/12	0.16	0.478803	4.8	205372.0	2.992521	Y
5	IC 140-47156/13	0.4	1.238349	4.8	199702.0	3.095873	Y
6	IC 140-47156/14	1.0	3.142922	4.8	197147.0	3.142922	Y
7	ICIS 140-47156/15	2.0	6.312383	4.8	198883.0	3.156191	Y
8	IC 140-47156/7	4.0	12.409347	4.8	204695.0	3.102337	Y
9	IC 140-47156/5	8.0	24.34021	4.8	204735.0	3.042526	Y
10	IC 140-47156/3	16.0	48.122103	4.8	199228.0	3.007631	Y



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

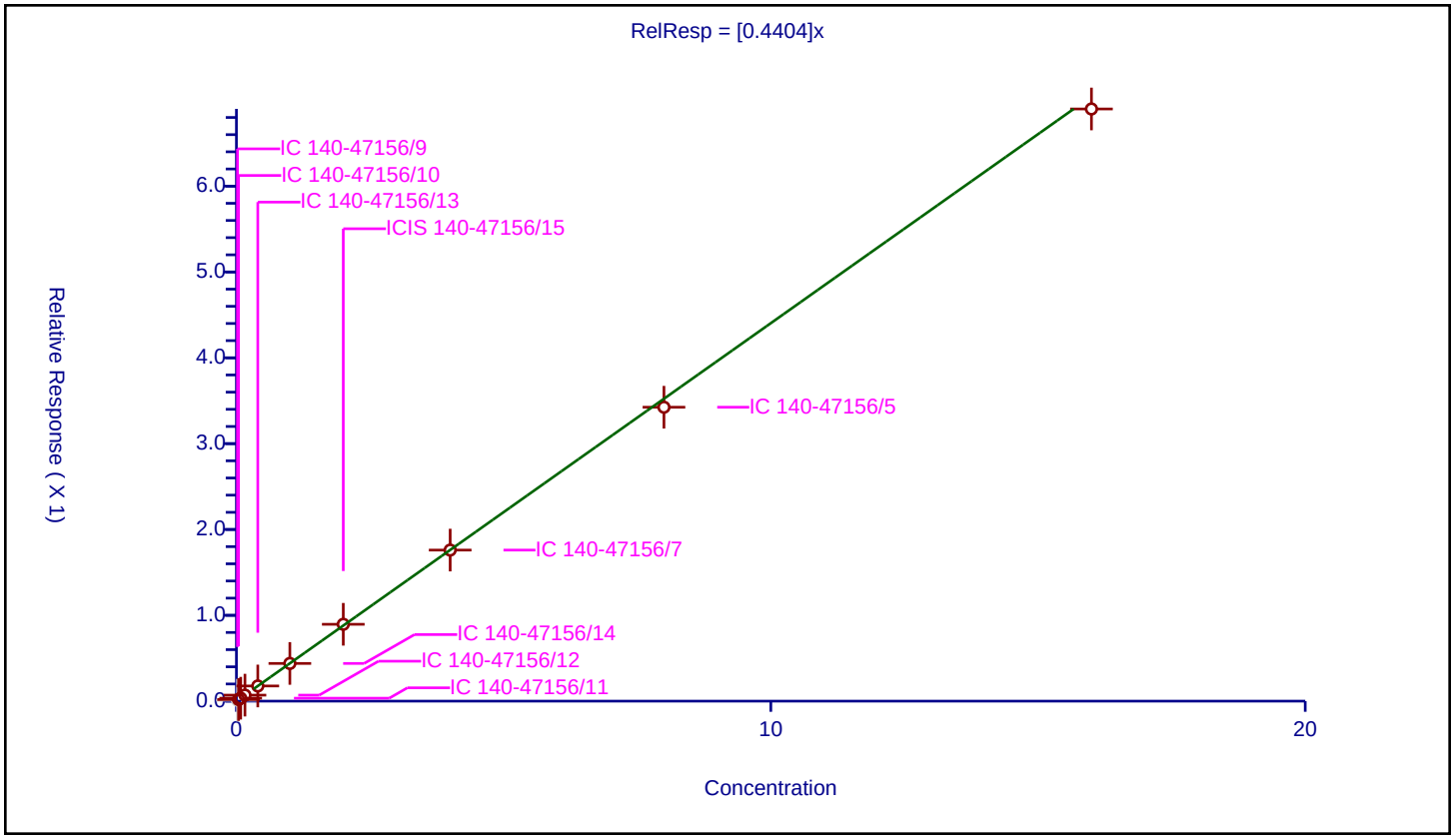
Curve Coefficients

Intercept:	0
Slope:	0.4404

Error Coefficients

Standard Error:	583000
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 140-47156/9	0.02	0.010985	4.8	1036476.0	0.549246	N
2	IC 140-47156/10	0.04	0.018766	4.8	1018244.0	0.469161	Y
3	IC 140-47156/11	0.08	0.034315	4.8	1033433.0	0.428939	Y
4	IC 140-47156/12	0.16	0.069947	4.8	1037995.0	0.43717	Y
5	IC 140-47156/13	0.4	0.176761	4.8	1011017.0	0.441904	Y
6	IC 140-47156/14	1.0	0.439089	4.8	994525.0	0.439089	Y
7	ICIS 140-47156/15	2.0	0.89547	4.8	991921.0	0.447735	Y
8	IC 140-47156/7	4.0	1.759904	4.8	1014729.0	0.439976	Y
9	IC 140-47156/5	8.0	3.42422	4.8	1023390.0	0.428027	Y
10	IC 140-47156/3	16.0	6.89907	4.8	985275.0	0.431192	Y



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

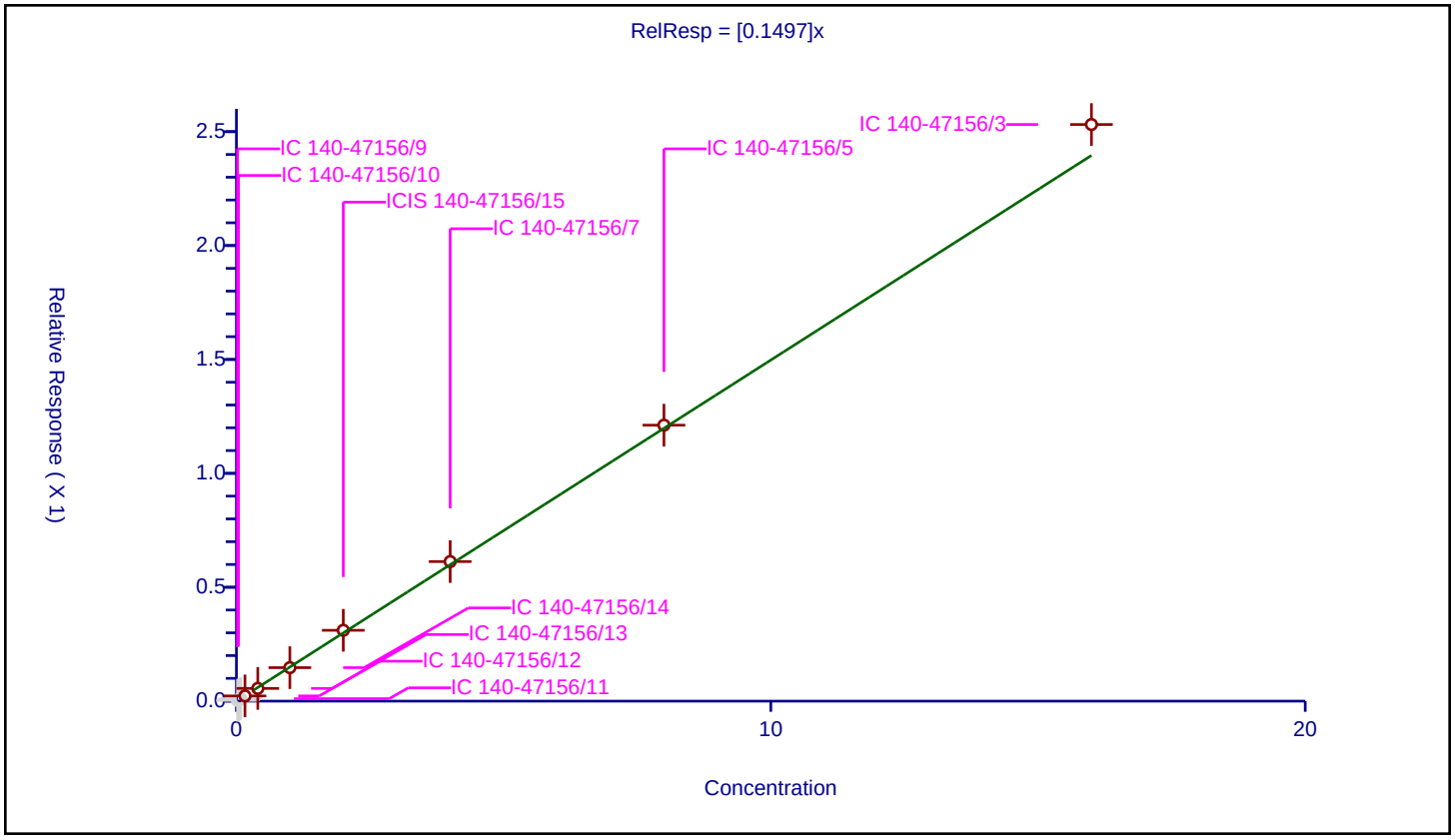
Curve Coefficients

Intercept:	0
Slope:	0.1497

Error Coefficients

Standard Error:	245000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.003492	4.8	1036476.0	0.174592	N
2	IC 140-47156/10	0.04	0.006161	4.8	1018244.0	0.15403	N
3	IC 140-47156/11	0.08	0.010766	4.8	1033433.0	0.134581	N
4	IC 140-47156/12	0.16	0.022881	4.8	1037995.0	0.143006	Y
5	IC 140-47156/13	0.4	0.055871	4.8	1011017.0	0.139677	Y
6	IC 140-47156/14	1.0	0.14708	4.8	994525.0	0.14708	Y
7	ICIS 140-47156/15	2.0	0.310999	4.8	991921.0	0.155499	Y
8	IC 140-47156/7	4.0	0.612785	4.8	1014729.0	0.153196	Y
9	IC 140-47156/5	8.0	1.211526	4.8	1023390.0	0.151441	Y
10	IC 140-47156/3	16.0	2.53153	4.8	985275.0	0.158221	Y



Calibration / Cyclohexane

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

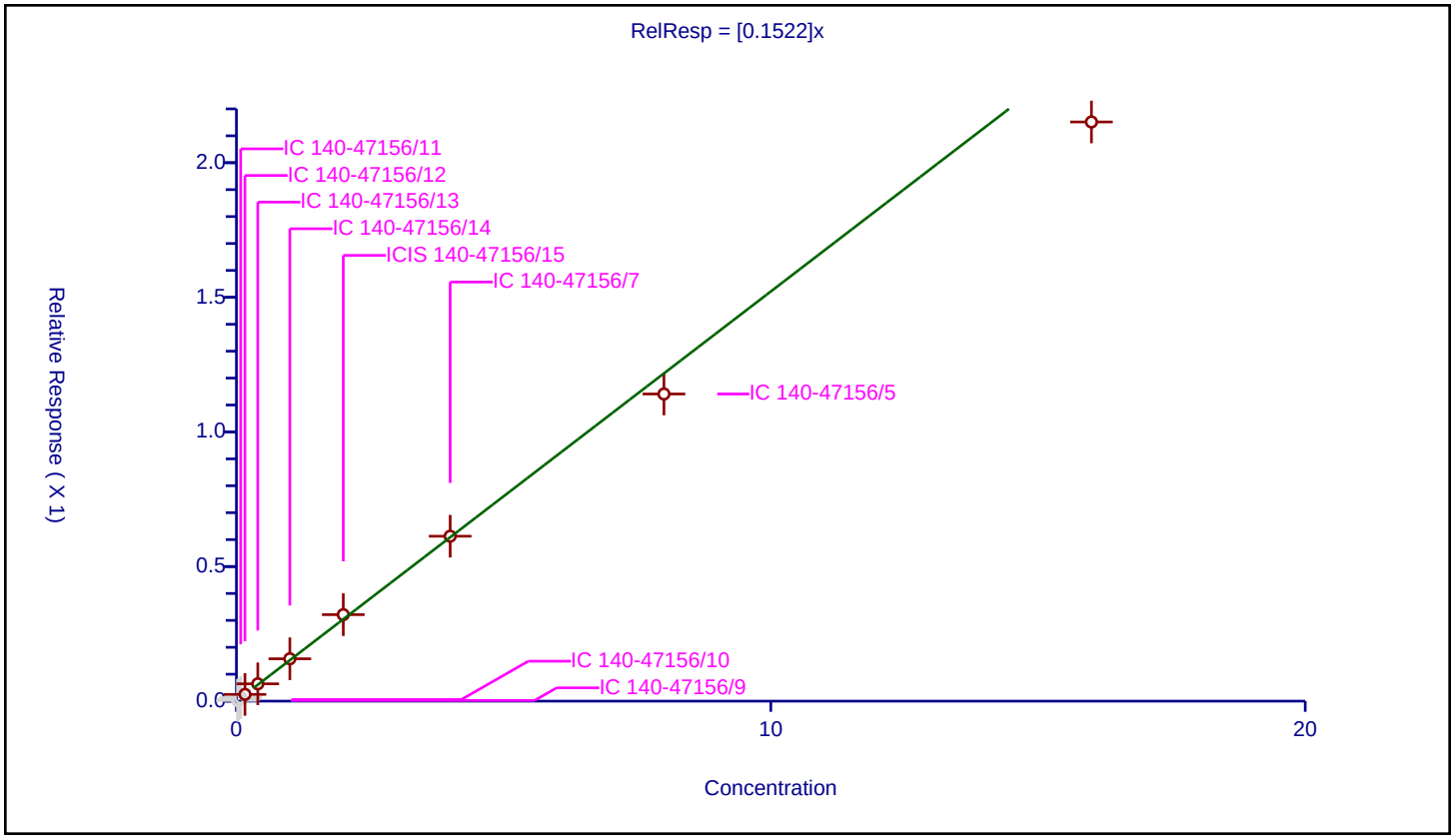
Curve Coefficients

Intercept:	0
Slope:	0.1522

Error Coefficients

Standard Error:	215000
Relative Standard Error:	6.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.002649	4.8	1036476.0	0.132449	N
2	IC 140-47156/10	0.04	0.006057	4.8	1018244.0	0.151437	N
3	IC 140-47156/11	0.08	0.0132	4.8	1033433.0	0.165003	N
4	IC 140-47156/12	0.16	0.02498	4.8	1037995.0	0.156128	Y
5	IC 140-47156/13	0.4	0.064364	4.8	1011017.0	0.160911	Y
6	IC 140-47156/14	1.0	0.15737	4.8	994525.0	0.15737	Y
7	ICIS 140-47156/15	2.0	0.321292	4.8	991921.0	0.160646	Y
8	IC 140-47156/7	4.0	0.612615	4.8	1014729.0	0.153154	Y
9	IC 140-47156/5	8.0	1.140937	4.8	1023390.0	0.142617	Y
10	IC 140-47156/3	16.0	2.151393	4.8	985275.0	0.134462	Y



Calibration / Benzene

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

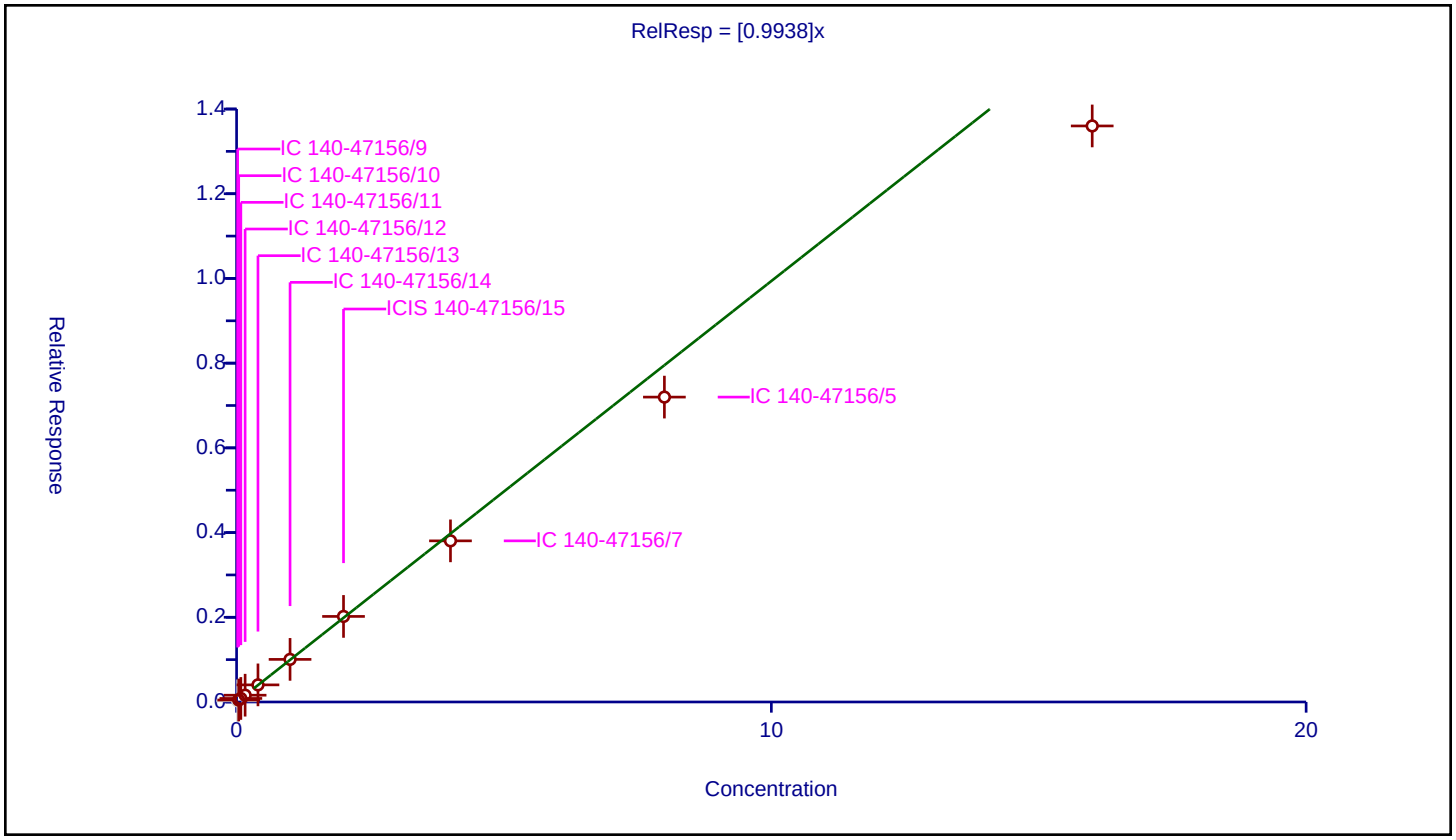
Curve Coefficients

Intercept:	0
Slope:	0.9938

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	9.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.027485	4.8	1036476.0	1.374272	N
2	IC 140-47156/10	0.04	0.046909	4.8	1018244.0	1.172725	Y
3	IC 140-47156/11	0.08	0.083377	4.8	1033433.0	1.042216	Y
4	IC 140-47156/12	0.16	0.160463	4.8	1037995.0	1.002895	Y
5	IC 140-47156/13	0.4	0.403939	4.8	1011017.0	1.009847	Y
6	IC 140-47156/14	1.0	1.005962	4.8	994525.0	1.005962	Y
7	ICIS 140-47156/15	2.0	2.020061	4.8	991921.0	1.01003	Y
8	IC 140-47156/7	4.0	3.80446	4.8	1014729.0	0.951115	Y
9	IC 140-47156/5	8.0	7.198649	4.8	1023390.0	0.899831	Y
10	IC 140-47156/3	16.0	13.599973	4.8	985275.0	0.849998	Y



Calibration / Carbon tetrachloride

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

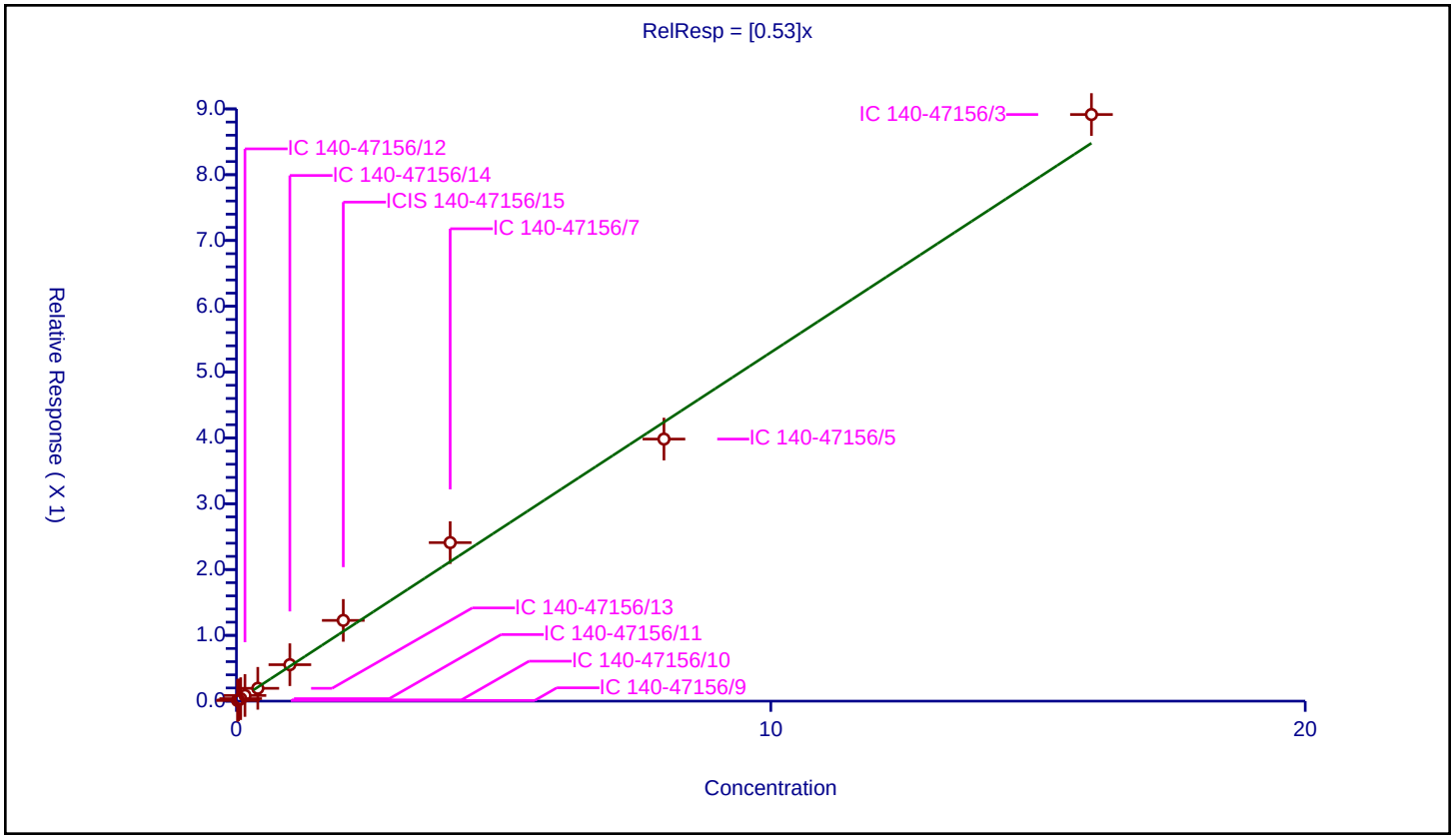
Curve Coefficients

Intercept:	0
Slope:	0.53

Error Coefficients

Standard Error:	700000
Relative Standard Error:	9.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.010091	4.8	1036476.0	0.504556	Y
2	IC 140-47156/10	0.04	0.018927	4.8	1018244.0	0.473168	Y
3	IC 140-47156/11	0.08	0.037748	4.8	1033433.0	0.471845	Y
4	IC 140-47156/12	0.16	0.086137	4.8	1037995.0	0.538355	Y
5	IC 140-47156/13	0.4	0.194921	4.8	1011017.0	0.487303	Y
6	IC 140-47156/14	1.0	0.55388	4.8	994525.0	0.55388	Y
7	ICIS 140-47156/15	2.0	1.226798	4.8	991921.0	0.613399	Y
8	IC 140-47156/7	4.0	2.409033	4.8	1014729.0	0.602258	Y
9	IC 140-47156/5	8.0	3.982449	4.8	1023390.0	0.497806	Y
10	IC 140-47156/3	16.0	8.914556	4.8	985275.0	0.55716	Y



Calibration / 2,3-Dimethylpentane

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

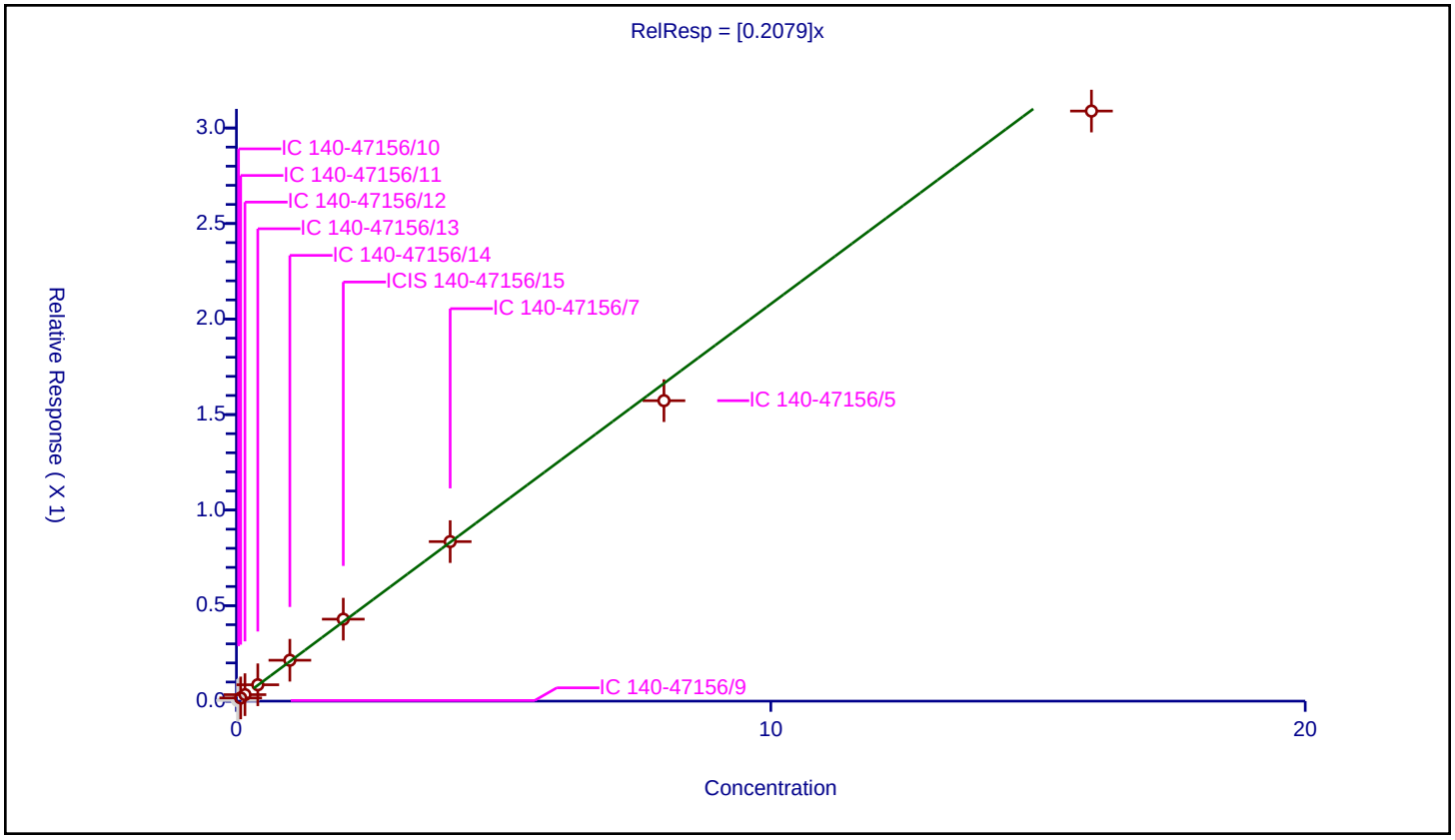
Curve Coefficients

Intercept:	0
Slope:	0.2079

Error Coefficients

Standard Error:	282000
Relative Standard Error:	4.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.003455	4.8	1036476.0	0.172739	N
2	IC 140-47156/10	0.04	0.00907	4.8	1018244.0	0.226743	N
3	IC 140-47156/11	0.08	0.016814	4.8	1033433.0	0.210173	Y
4	IC 140-47156/12	0.16	0.033901	4.8	1037995.0	0.21188	Y
5	IC 140-47156/13	0.4	0.085644	4.8	1011017.0	0.214109	Y
6	IC 140-47156/14	1.0	0.214124	4.8	994525.0	0.214124	Y
7	ICIS 140-47156/15	2.0	0.428976	4.8	991921.0	0.214488	Y
8	IC 140-47156/7	4.0	0.835012	4.8	1014729.0	0.208753	Y
9	IC 140-47156/5	8.0	1.572782	4.8	1023390.0	0.196598	Y
10	IC 140-47156/3	16.0	3.088637	4.8	985275.0	0.19304	Y



Calibration / Thiophene

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

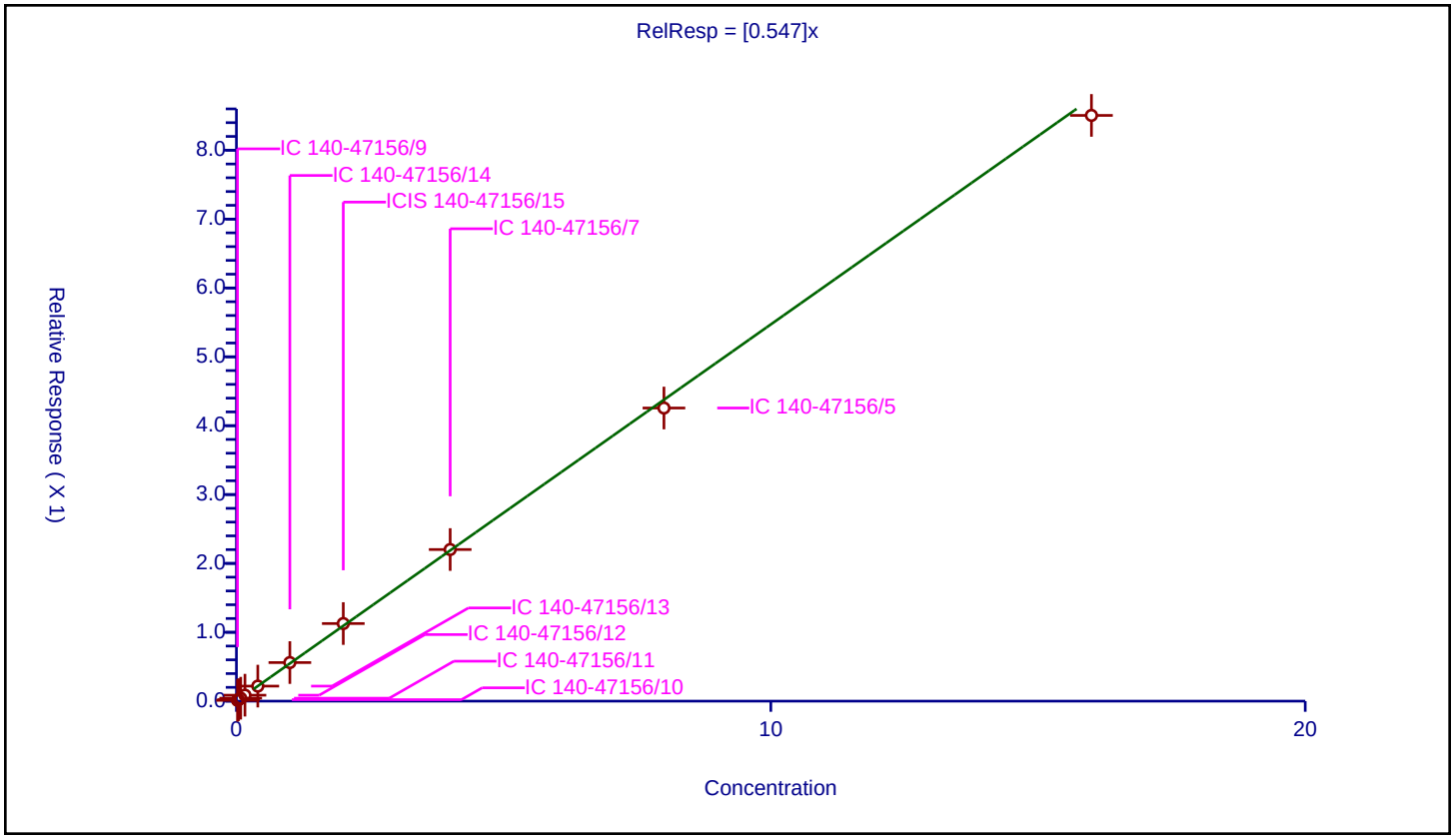
Curve Coefficients

Intercept:	0
Slope:	0.547

Error Coefficients

Standard Error:	680000
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 140-47156/9	0.02	0.011596	4.8	1036476.0	0.579811	Y
2	IC 140-47156/10	0.04	0.02127	4.8	1018244.0	0.531739	Y
3	IC 140-47156/11	0.08	0.042736	4.8	1033433.0	0.5342	Y
4	IC 140-47156/12	0.16	0.086548	4.8	1037995.0	0.540927	Y
5	IC 140-47156/13	0.4	0.218346	4.8	1011017.0	0.545866	Y
6	IC 140-47156/14	1.0	0.560358	4.8	994525.0	0.560358	Y
7	ICIS 140-47156/15	2.0	1.126866	4.8	991921.0	0.563433	Y
8	IC 140-47156/7	4.0	2.201471	4.8	1014729.0	0.550368	Y
9	IC 140-47156/5	8.0	4.256268	4.8	1023390.0	0.532034	Y
10	IC 140-47156/3	16.0	8.505311	4.8	985275.0	0.531582	Y



Calibration / Isooctane

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

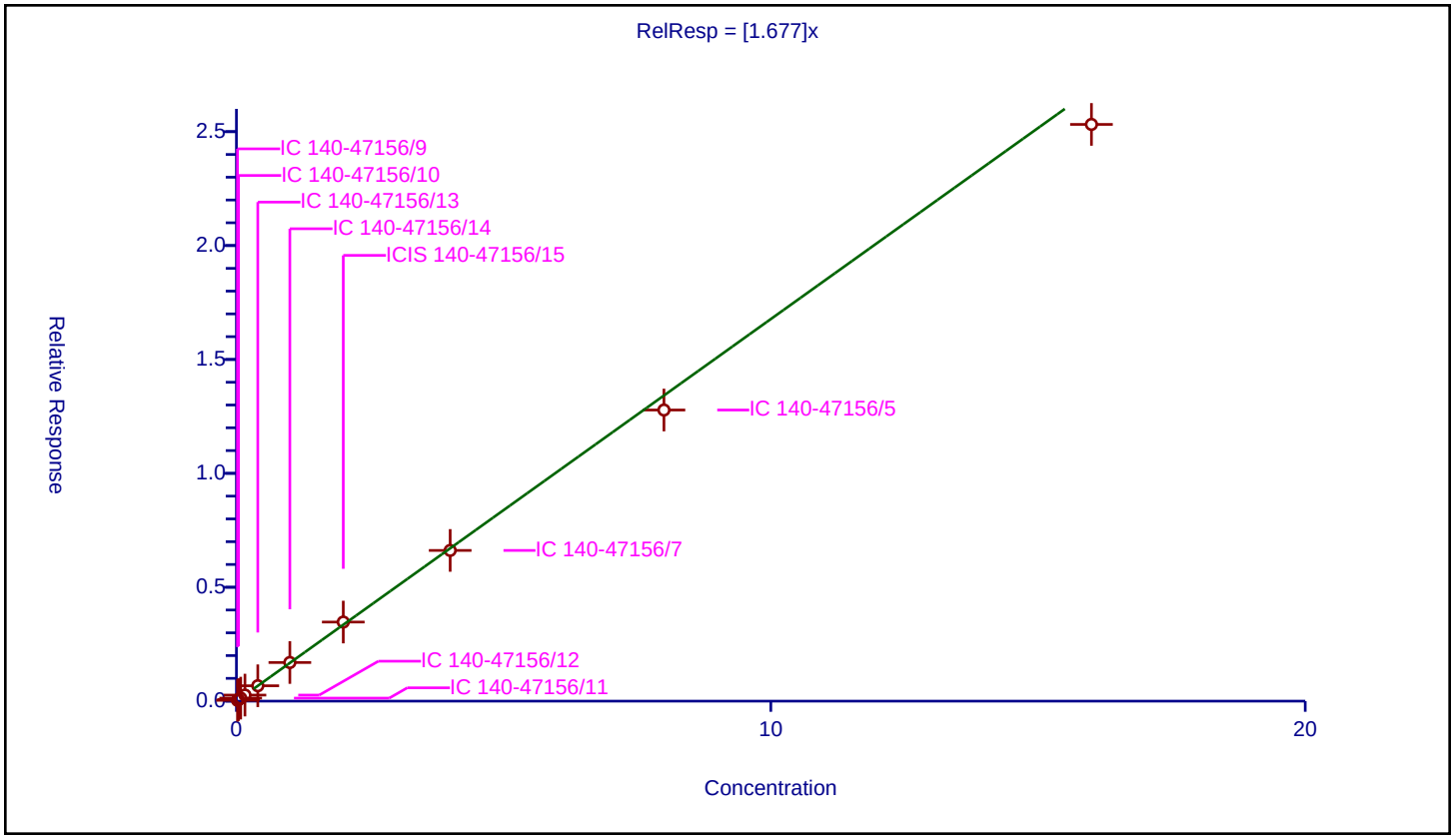
Curve Coefficients

Intercept:	0
Slope:	1.677

Error Coefficients

Standard Error:	2030000
Relative Standard Error:	3.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.035956	4.8	1036476.0	1.797784	Y
2	IC 140-47156/10	0.04	0.067966	4.8	1018244.0	1.699161	Y
3	IC 140-47156/11	0.08	0.13249	4.8	1033433.0	1.656131	Y
4	IC 140-47156/12	0.16	0.266364	4.8	1037995.0	1.664777	Y
5	IC 140-47156/13	0.4	0.675526	4.8	1011017.0	1.688814	Y
6	IC 140-47156/14	1.0	1.696199	4.8	994525.0	1.696199	Y
7	ICIS 140-47156/15	2.0	3.471867	4.8	991921.0	1.735933	Y
8	IC 140-47156/7	4.0	6.616152	4.8	1014729.0	1.654038	Y
9	IC 140-47156/5	8.0	12.779888	4.8	1023390.0	1.597486	Y
10	IC 140-47156/3	16.0	25.318053	4.8	985275.0	1.582378	Y



Calibration / n-Heptane

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

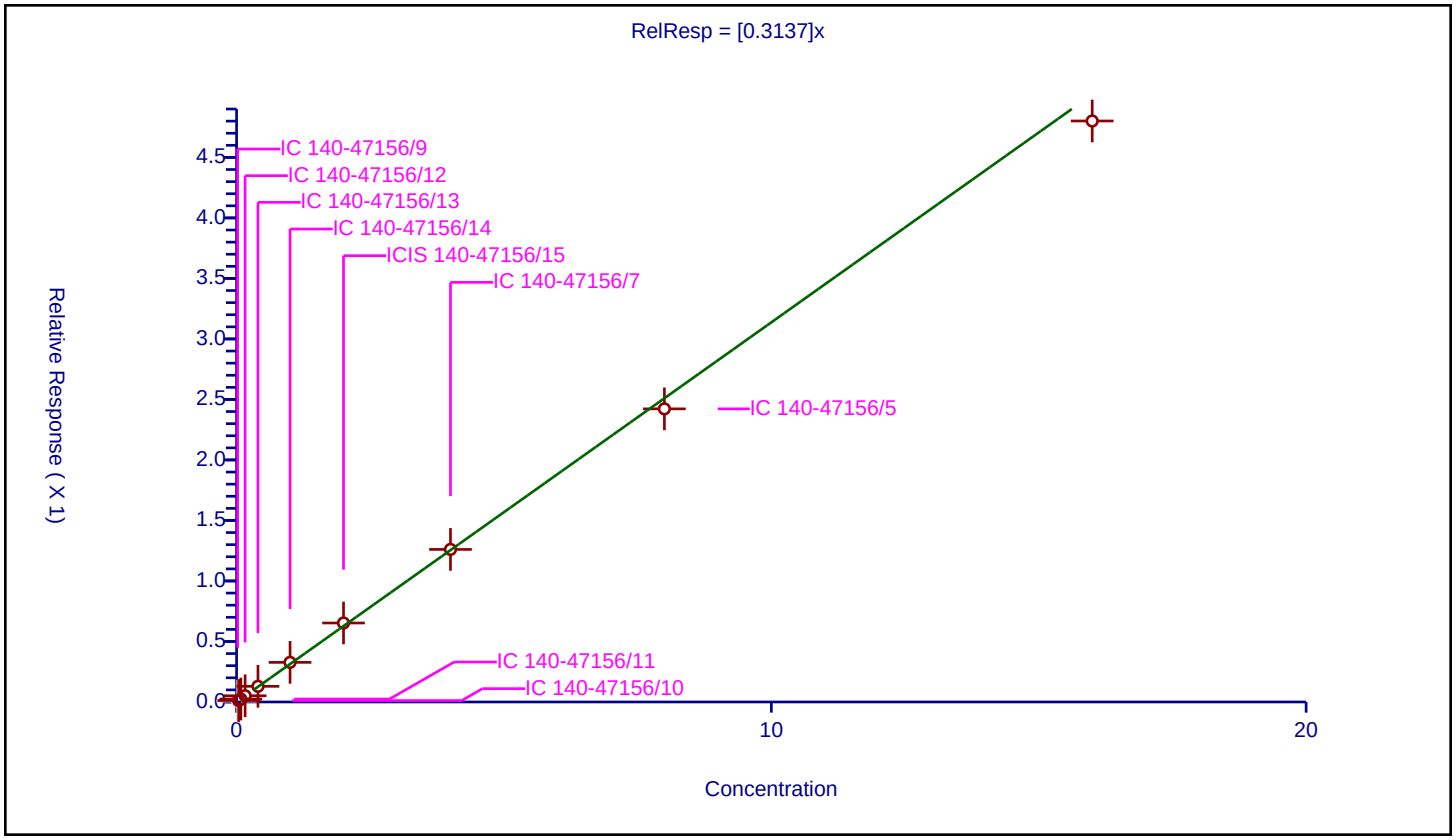
Curve Coefficients

Intercept:	0
Slope:	0.3137

Error Coefficients

Standard Error:	408000
Relative Standard Error:	3.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.006882	4.8	1036476.0	0.344089	N
2	IC 140-47156/10	0.04	0.012115	4.8	1018244.0	0.302874	Y
3	IC 140-47156/11	0.08	0.024292	4.8	1033433.0	0.303648	Y
4	IC 140-47156/12	0.16	0.051418	4.8	1037995.0	0.32136	Y
5	IC 140-47156/13	0.4	0.129536	4.8	1011017.0	0.32384	Y
6	IC 140-47156/14	1.0	0.327314	4.8	994525.0	0.327314	Y
7	ICIS 140-47156/15	2.0	0.652837	4.8	991921.0	0.326419	Y
8	IC 140-47156/7	4.0	1.260779	4.8	1014729.0	0.315195	Y
9	IC 140-47156/5	8.0	2.42219	4.8	1023390.0	0.302774	Y
10	IC 140-47156/3	16.0	4.800999	4.8	985275.0	0.300062	Y



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

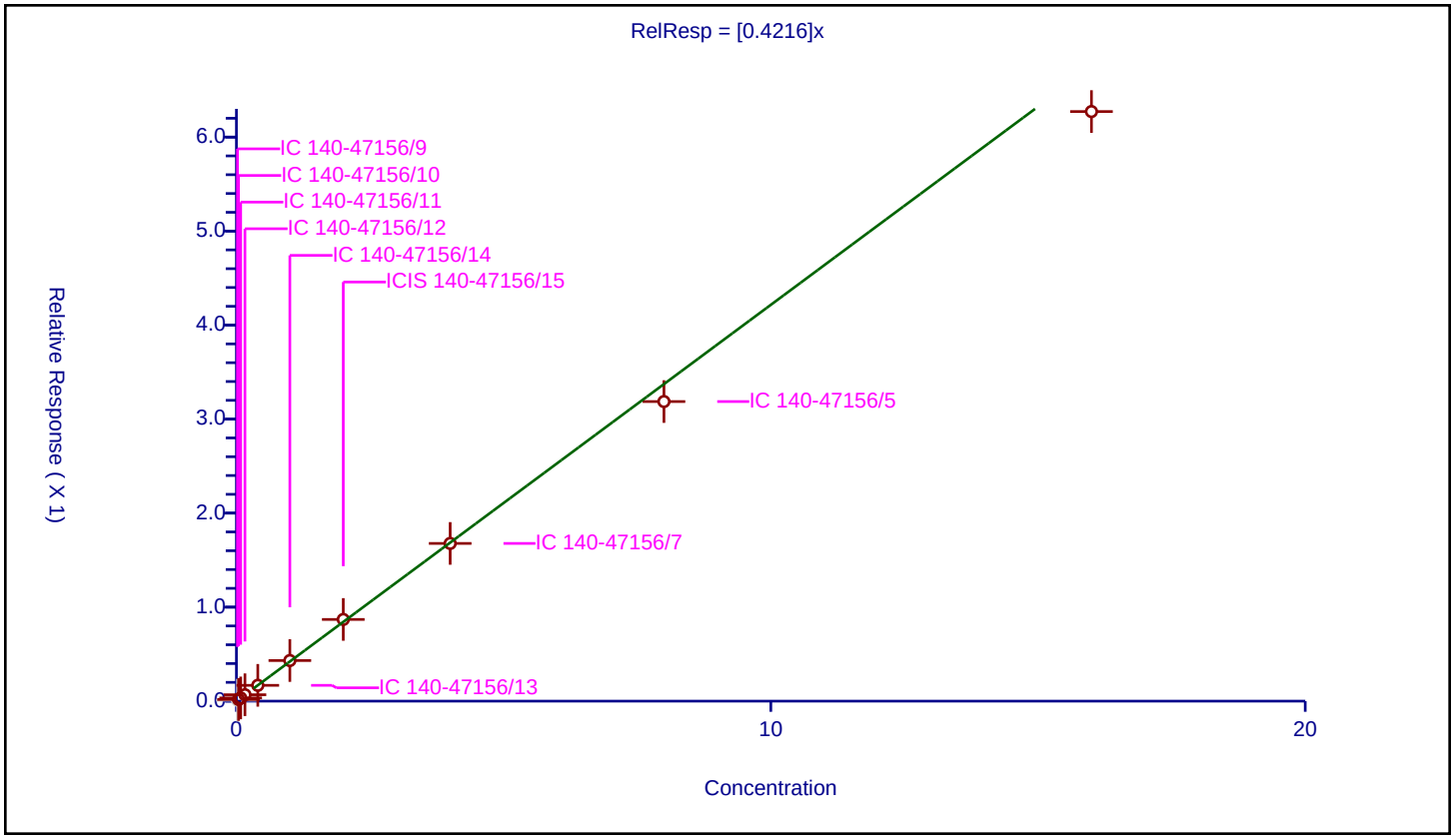
Curve Coefficients

Intercept:	0
Slope:	0.4216

Error Coefficients

Standard Error:	535000
Relative Standard Error:	4.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.010096	4.8	1036476.0	0.504787	N
2	IC 140-47156/10	0.04	0.017795	4.8	1018244.0	0.444884	Y
3	IC 140-47156/11	0.08	0.034148	4.8	1033433.0	0.426849	Y
4	IC 140-47156/12	0.16	0.068144	4.8	1037995.0	0.425898	Y
5	IC 140-47156/13	0.4	0.168049	4.8	1011017.0	0.420123	Y
6	IC 140-47156/14	1.0	0.432057	4.8	994525.0	0.432057	Y
7	ICIS 140-47156/15	2.0	0.869116	4.8	991921.0	0.434558	Y
8	IC 140-47156/7	4.0	1.677549	4.8	1014729.0	0.419387	Y
9	IC 140-47156/5	8.0	3.186783	4.8	1023390.0	0.398348	Y
10	IC 140-47156/3	16.0	6.271664	4.8	985275.0	0.391979	Y



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

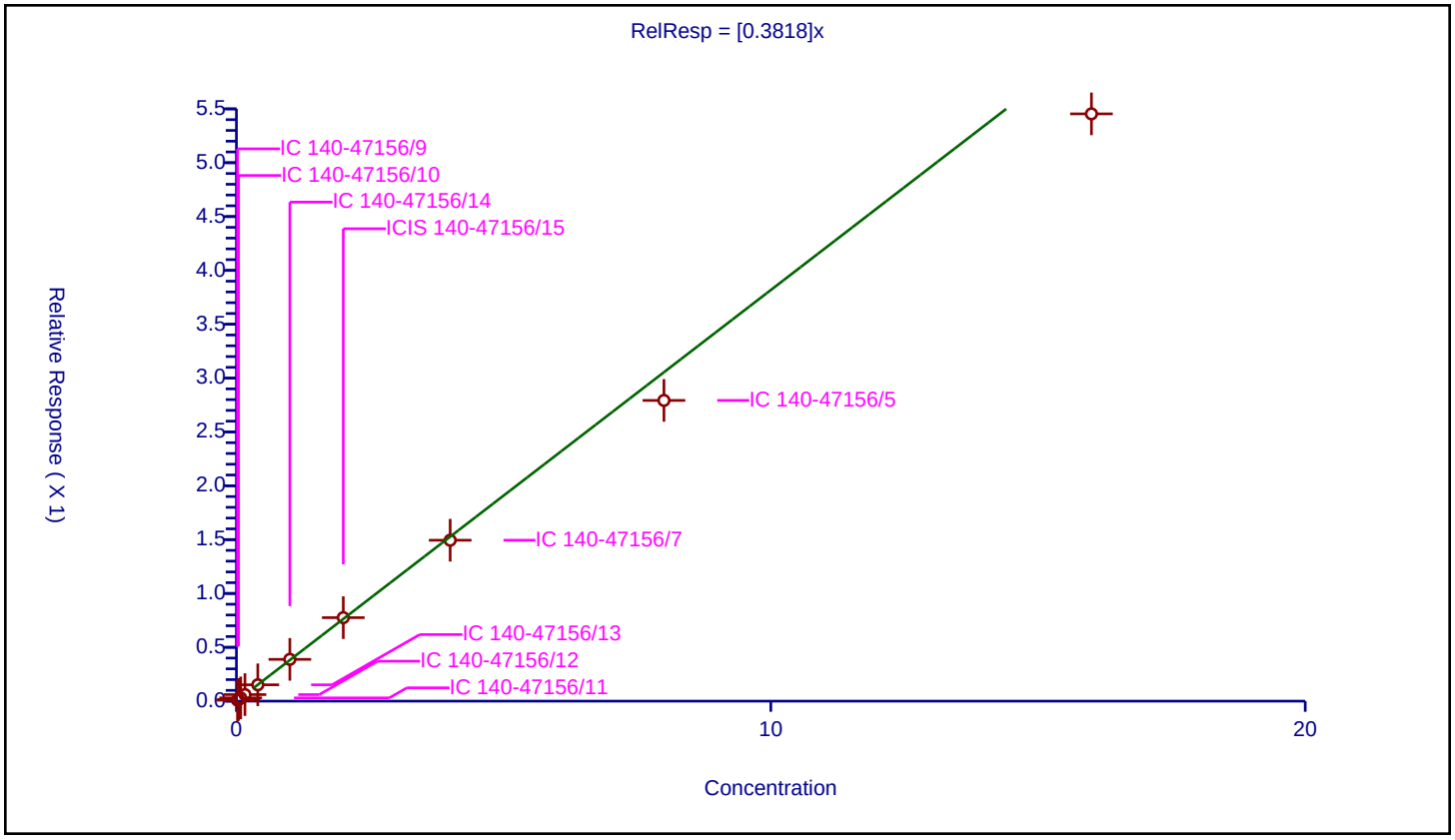
Curve Coefficients

Intercept:	0
Slope:	0.3818

Error Coefficients

Standard Error:	440000
Relative Standard Error:	7.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.009058	4.8	1036476.0	0.452919	Y
2	IC 140-47156/10	0.04	0.015702	4.8	1018244.0	0.392558	Y
3	IC 140-47156/11	0.08	0.02994	4.8	1033433.0	0.374248	Y
4	IC 140-47156/12	0.16	0.060726	4.8	1037995.0	0.379539	Y
5	IC 140-47156/13	0.4	0.151755	4.8	1011017.0	0.379388	Y
6	IC 140-47156/14	1.0	0.38802	4.8	994525.0	0.38802	Y
7	ICIS 140-47156/15	2.0	0.775179	4.8	991921.0	0.38759	Y
8	IC 140-47156/7	4.0	1.494433	4.8	1014729.0	0.373608	Y
9	IC 140-47156/5	8.0	2.792681	4.8	1023390.0	0.349085	Y
10	IC 140-47156/3	16.0	5.453816	4.8	985275.0	0.340864	Y



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

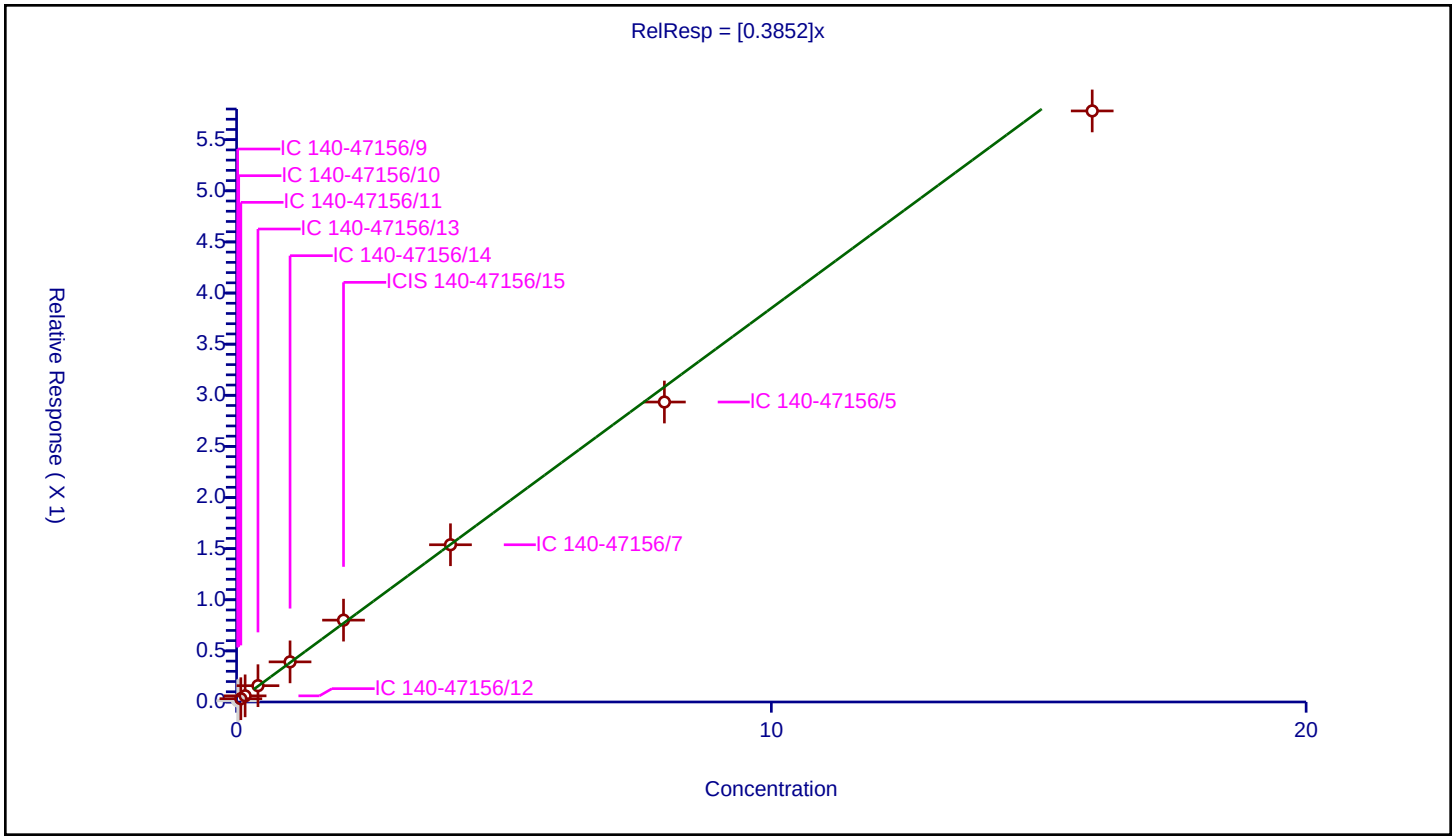
Curve Coefficients

Intercept:	0
Slope:	0.3852

Error Coefficients

Standard Error:	527000
Relative Standard Error:	4.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.011286	4.8	1036476.0	0.564297	N
2	IC 140-47156/10	0.04	0.017833	4.8	1018244.0	0.445826	N
3	IC 140-47156/11	0.08	0.03216	4.8	1033433.0	0.402	Y
4	IC 140-47156/12	0.16	0.060121	4.8	1037995.0	0.375753	Y
5	IC 140-47156/13	0.4	0.159499	4.8	1011017.0	0.398747	Y
6	IC 140-47156/14	1.0	0.39233	4.8	994525.0	0.39233	Y
7	ICIS 140-47156/15	2.0	0.800609	4.8	991921.0	0.400304	Y
8	IC 140-47156/7	4.0	1.538033	4.8	1014729.0	0.384508	Y
9	IC 140-47156/5	8.0	2.933995	4.8	1023390.0	0.366749	Y
10	IC 140-47156/3	16.0	5.781343	4.8	985275.0	0.361334	Y



Calibration / 1,4-Dioxane

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

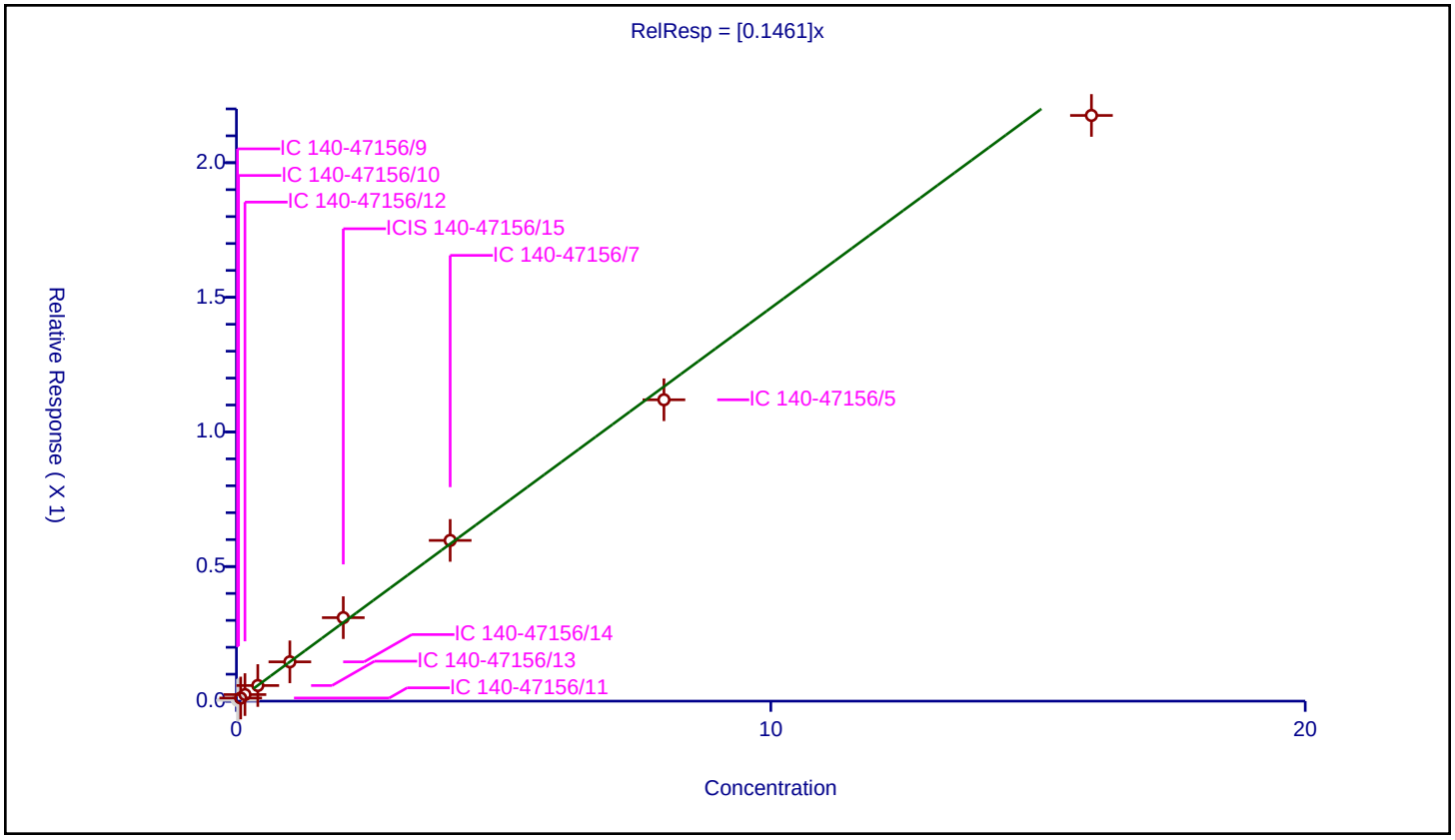
Curve Coefficients

Intercept:	0
Slope:	0.1461

Error Coefficients

Standard Error:	199000
Relative Standard Error:	4.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.002996	4.8	1036476.0	0.149815	N
2	IC 140-47156/10	0.04	0.00635	4.8	1018244.0	0.158744	N
3	IC 140-47156/11	0.08	0.011589	4.8	1033433.0	0.144857	Y
4	IC 140-47156/12	0.16	0.024361	4.8	1037995.0	0.152255	Y
5	IC 140-47156/13	0.4	0.058069	4.8	1011017.0	0.145173	Y
6	IC 140-47156/14	1.0	0.145932	4.8	994525.0	0.145932	Y
7	ICIS 140-47156/15	2.0	0.310075	4.8	991921.0	0.155037	Y
8	IC 140-47156/7	4.0	0.597033	4.8	1014729.0	0.149258	Y
9	IC 140-47156/5	8.0	1.119489	4.8	1023390.0	0.139936	Y
10	IC 140-47156/3	16.0	2.175639	4.8	985275.0	0.135977	Y



Calibration / Dichlorobromomethane

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

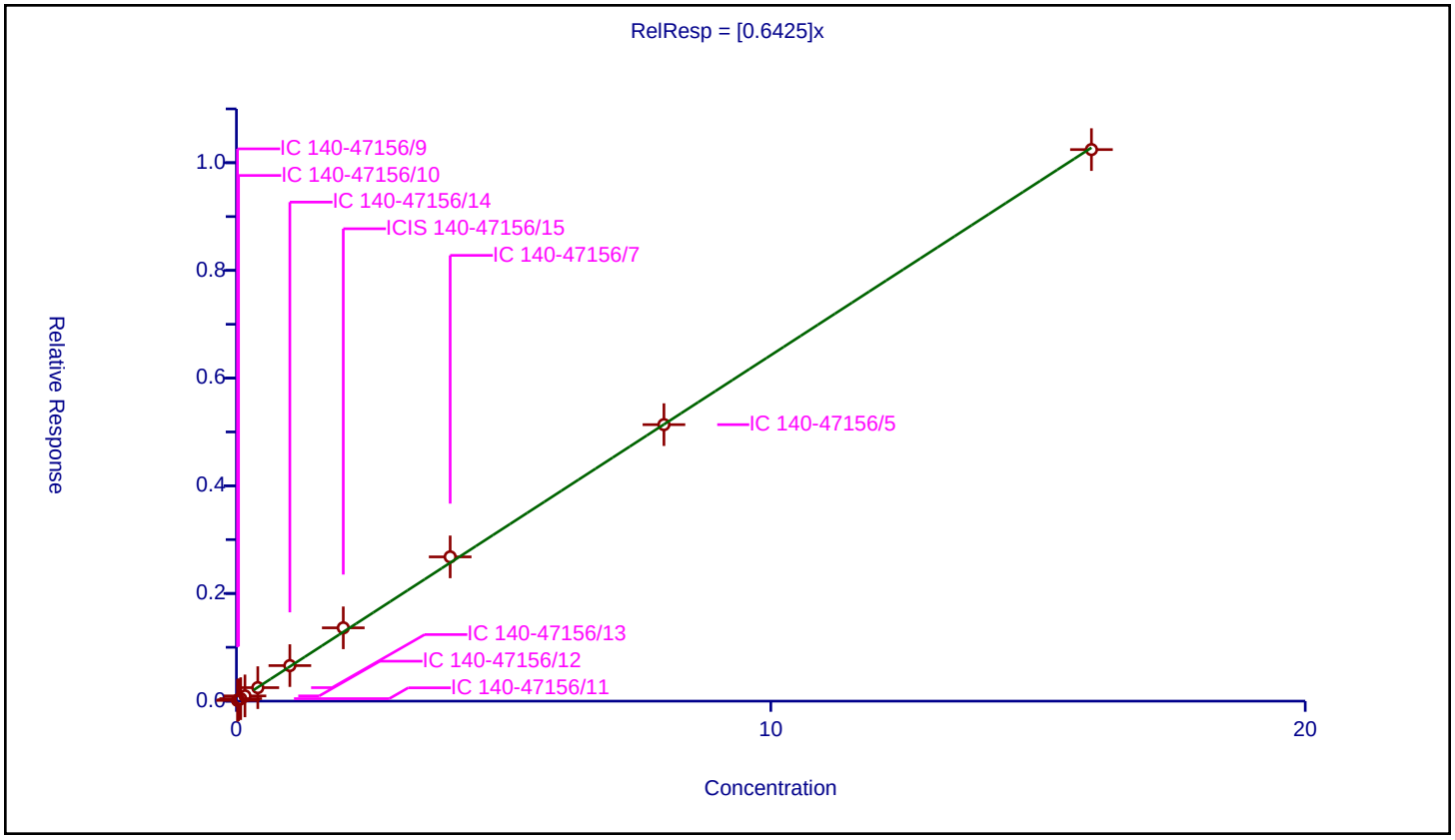
Curve Coefficients

Intercept:	0
Slope:	0.6425

Error Coefficients

Standard Error:	819000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.013509	4.8	1036476.0	0.675443	Y
2	IC 140-47156/10	0.04	0.02579	4.8	1018244.0	0.644757	Y
3	IC 140-47156/11	0.08	0.04634	4.8	1033433.0	0.579254	Y
4	IC 140-47156/12	0.16	0.096976	4.8	1037995.0	0.606101	Y
5	IC 140-47156/13	0.4	0.250522	4.8	1011017.0	0.626304	Y
6	IC 140-47156/14	1.0	0.660096	4.8	994525.0	0.660096	Y
7	ICIS 140-47156/15	2.0	1.361402	4.8	991921.0	0.680701	Y
8	IC 140-47156/7	4.0	2.679593	4.8	1014729.0	0.669898	Y
9	IC 140-47156/5	8.0	5.135769	4.8	1023390.0	0.641971	Y
10	IC 140-47156/3	16.0	10.244097	4.8	985275.0	0.640256	Y



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

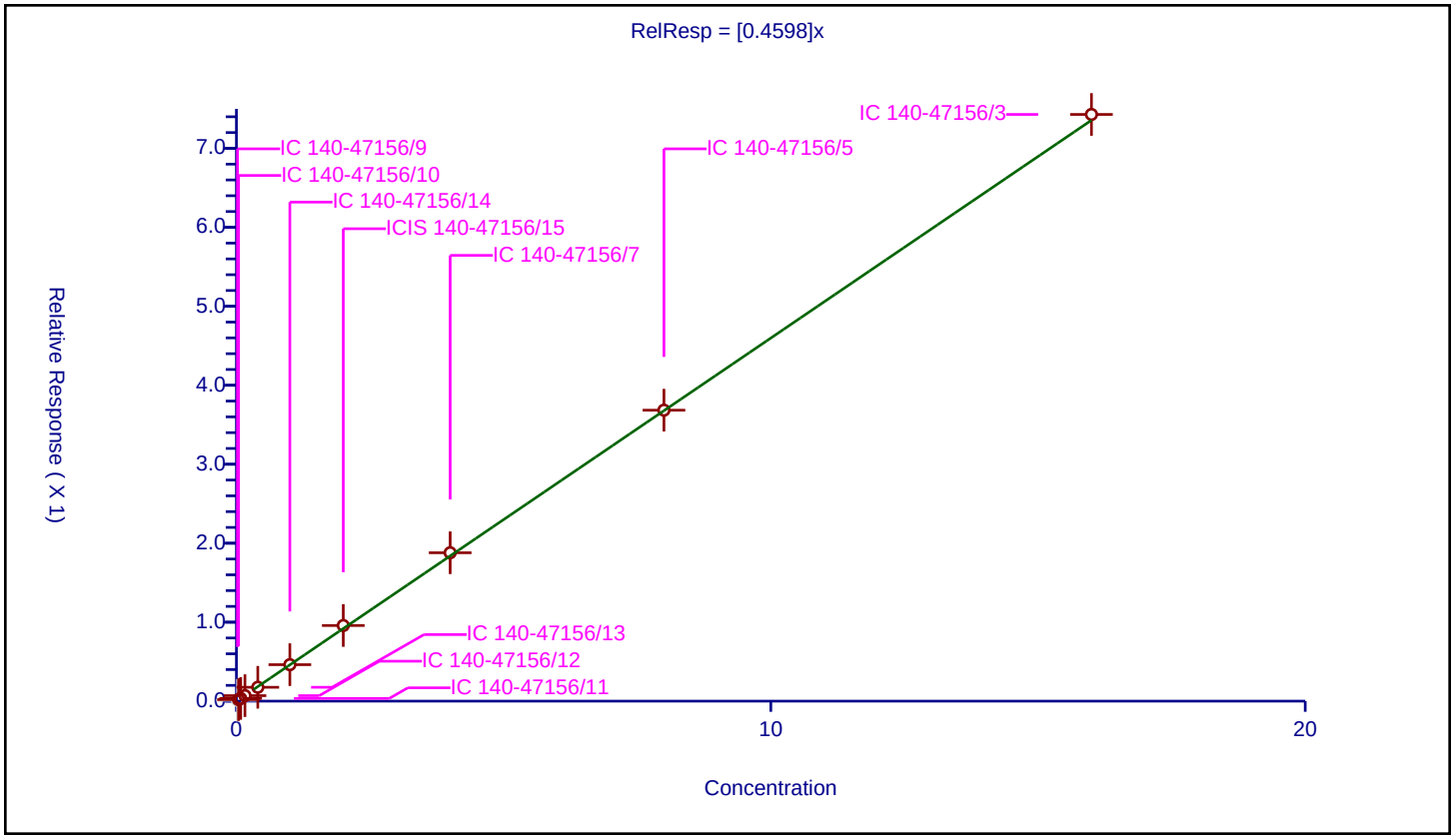
Curve Coefficients

Intercept:	0
Slope:	0.4598

Error Coefficients

Standard Error:	628000
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 140-47156/9	0.02	0.011434	4.8	1036476.0	0.571706	N
2	IC 140-47156/10	0.04	0.020025	4.8	1018244.0	0.500627	Y
3	IC 140-47156/11	0.08	0.034125	4.8	1033433.0	0.426559	Y
4	IC 140-47156/12	0.16	0.069804	4.8	1037995.0	0.436274	Y
5	IC 140-47156/13	0.4	0.17556	4.8	1011017.0	0.438901	Y
6	IC 140-47156/14	1.0	0.462038	4.8	994525.0	0.462038	Y
7	ICIS 140-47156/15	2.0	0.957691	4.8	991921.0	0.478845	Y
8	IC 140-47156/7	4.0	1.879316	4.8	1014729.0	0.469829	Y
9	IC 140-47156/5	8.0	3.684733	4.8	1023390.0	0.460592	Y
10	IC 140-47156/3	16.0	7.429641	4.8	985275.0	0.464353	Y



Calibration / Methylcyclohexane

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

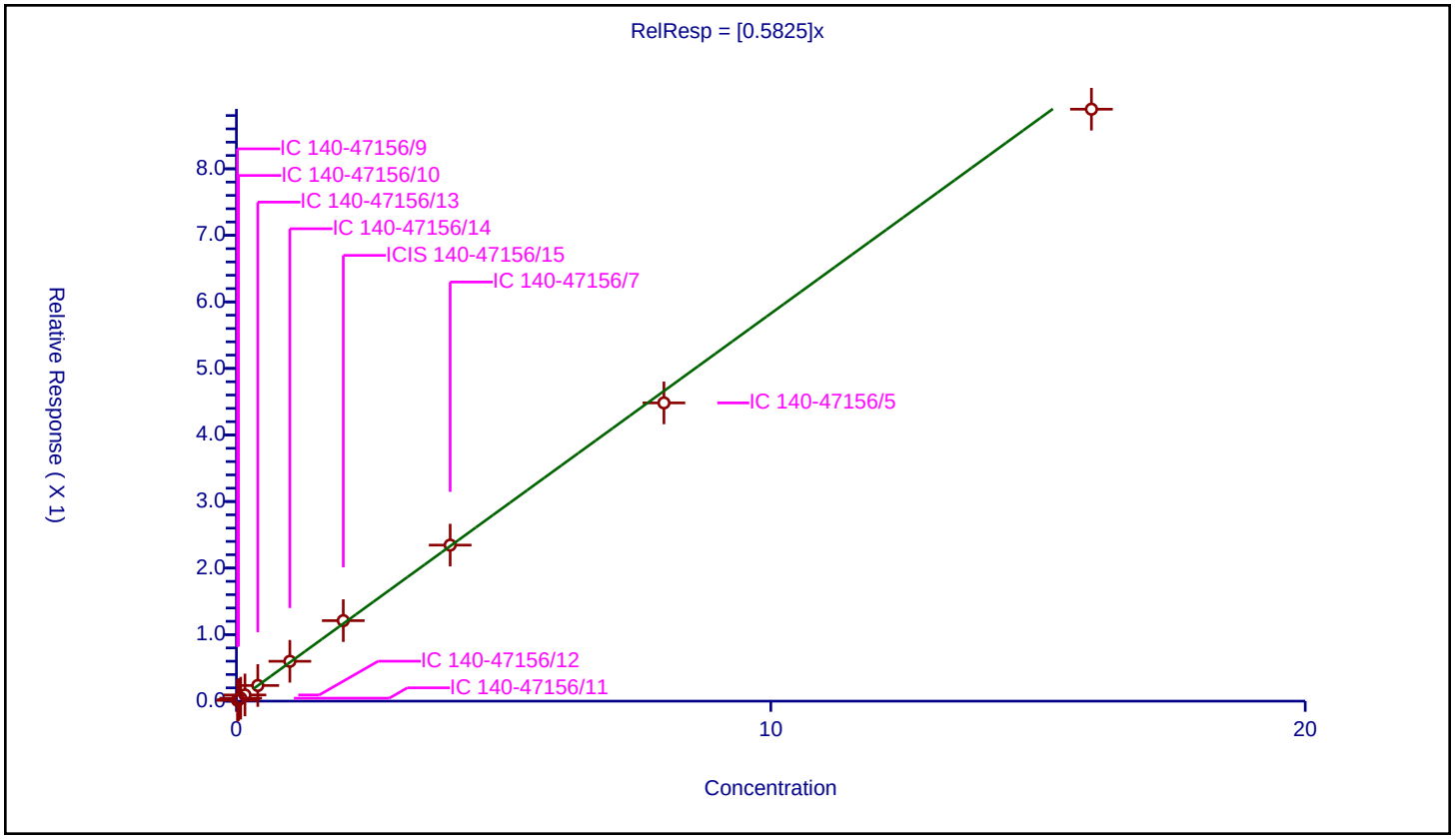
Curve Coefficients

Intercept:	0
Slope:	0.5825

Error Coefficients

Standard Error:	713000
Relative Standard Error:	3.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.011897	4.8	1036476.0	0.594862	Y
2	IC 140-47156/10	0.04	0.023834	4.8	1018244.0	0.595849	Y
3	IC 140-47156/11	0.08	0.044756	4.8	1033433.0	0.559456	Y
4	IC 140-47156/12	0.16	0.092907	4.8	1037995.0	0.580668	Y
5	IC 140-47156/13	0.4	0.23513	4.8	1011017.0	0.587824	Y
6	IC 140-47156/14	1.0	0.599143	4.8	994525.0	0.599143	Y
7	ICIS 140-47156/15	2.0	1.209924	4.8	991921.0	0.604962	Y
8	IC 140-47156/7	4.0	2.344781	4.8	1014729.0	0.586195	Y
9	IC 140-47156/5	8.0	4.481552	4.8	1023390.0	0.560194	Y
10	IC 140-47156/3	16.0	8.895255	4.8	985275.0	0.555953	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

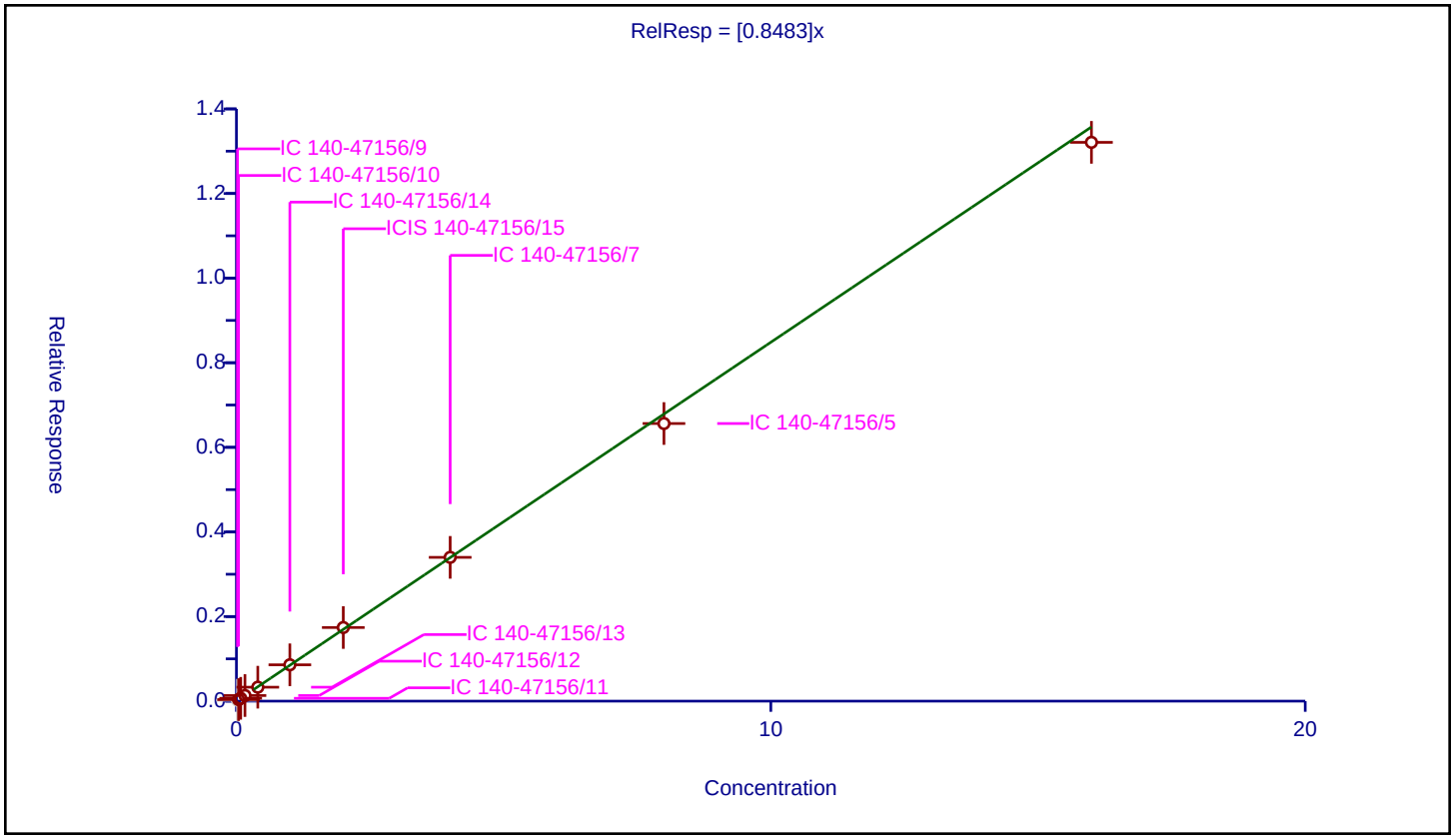
Curve Coefficients

Intercept:	0
Slope:	0.8483

Error Coefficients

Standard Error:	1120000
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 140-47156/9	0.02	0.021539	4.8	1036476.0	1.076957	N
2	IC 140-47156/10	0.04	0.036755	4.8	1018244.0	0.918876	Y
3	IC 140-47156/11	0.08	0.067005	4.8	1033433.0	0.837558	Y
4	IC 140-47156/12	0.16	0.132801	4.8	1037995.0	0.830004	Y
5	IC 140-47156/13	0.4	0.329443	4.8	1011017.0	0.823606	Y
6	IC 140-47156/14	1.0	0.859147	4.8	994525.0	0.859147	Y
7	ICIS 140-47156/15	2.0	1.740351	4.8	991921.0	0.870176	Y
8	IC 140-47156/7	4.0	3.399019	4.8	1014729.0	0.849755	Y
9	IC 140-47156/5	8.0	6.562678	4.8	1023390.0	0.820335	Y
10	IC 140-47156/3	16.0	13.208958	4.8	985275.0	0.82556	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

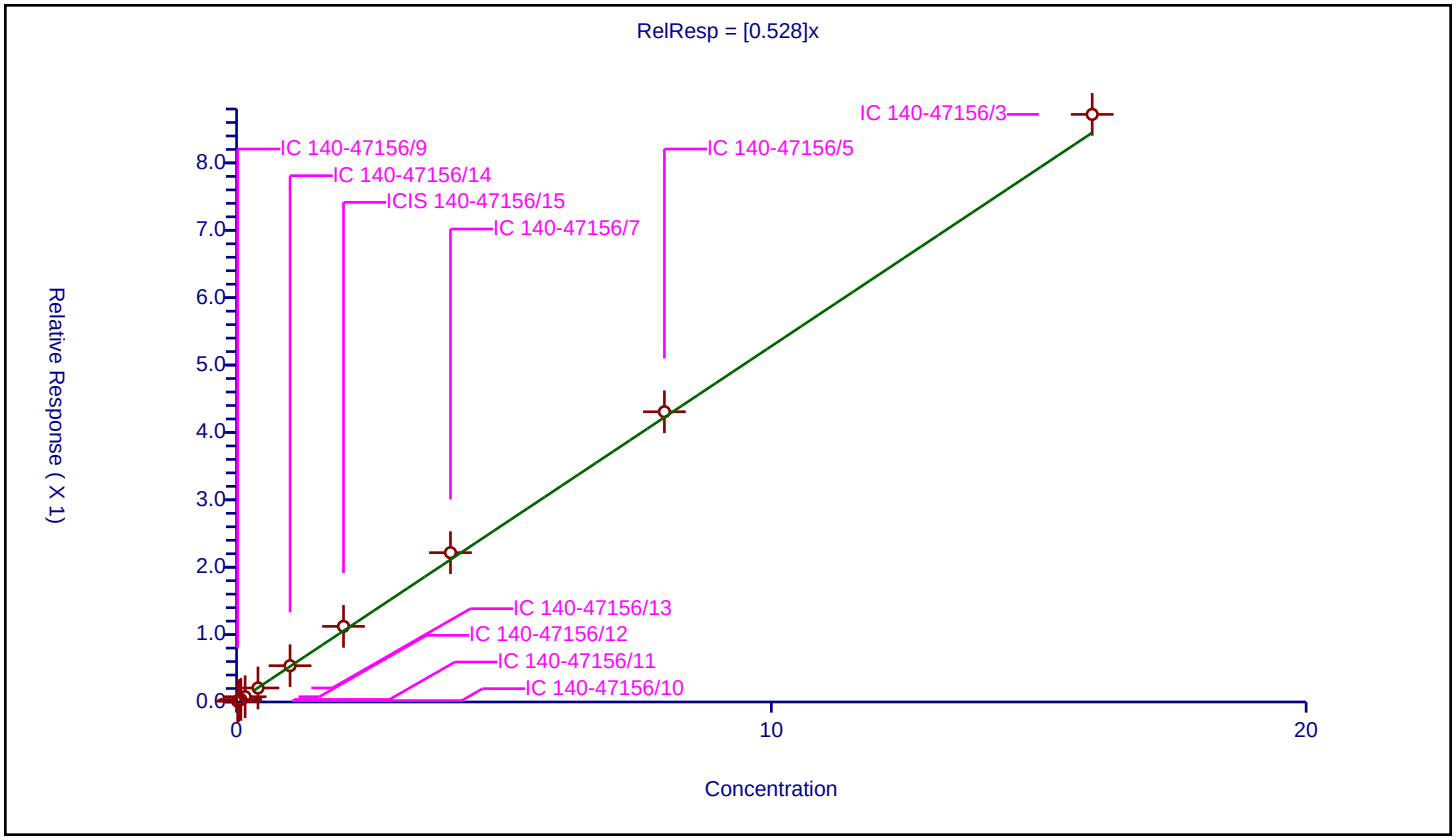
Curve Coefficients

Intercept:	0
Slope:	0.528

Error Coefficients

Standard Error:	694000
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 140-47156/9	0.02	0.010906	4.8	1036476.0	0.545309	Y
2	IC 140-47156/10	0.04	0.02068	4.8	1018244.0	0.517008	Y
3	IC 140-47156/11	0.08	0.037808	4.8	1033433.0	0.4726	Y
4	IC 140-47156/12	0.16	0.078077	4.8	1037995.0	0.487979	Y
5	IC 140-47156/13	0.4	0.208144	4.8	1011017.0	0.520359	Y
6	IC 140-47156/14	1.0	0.538224	4.8	994525.0	0.538224	Y
7	ICIS 140-47156/15	2.0	1.122205	4.8	991921.0	0.561103	Y
8	IC 140-47156/7	4.0	2.216149	4.8	1014729.0	0.554037	Y
9	IC 140-47156/5	8.0	4.307139	4.8	1023390.0	0.538392	Y
10	IC 140-47156/3	16.0	8.720272	4.8	985275.0	0.545017	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

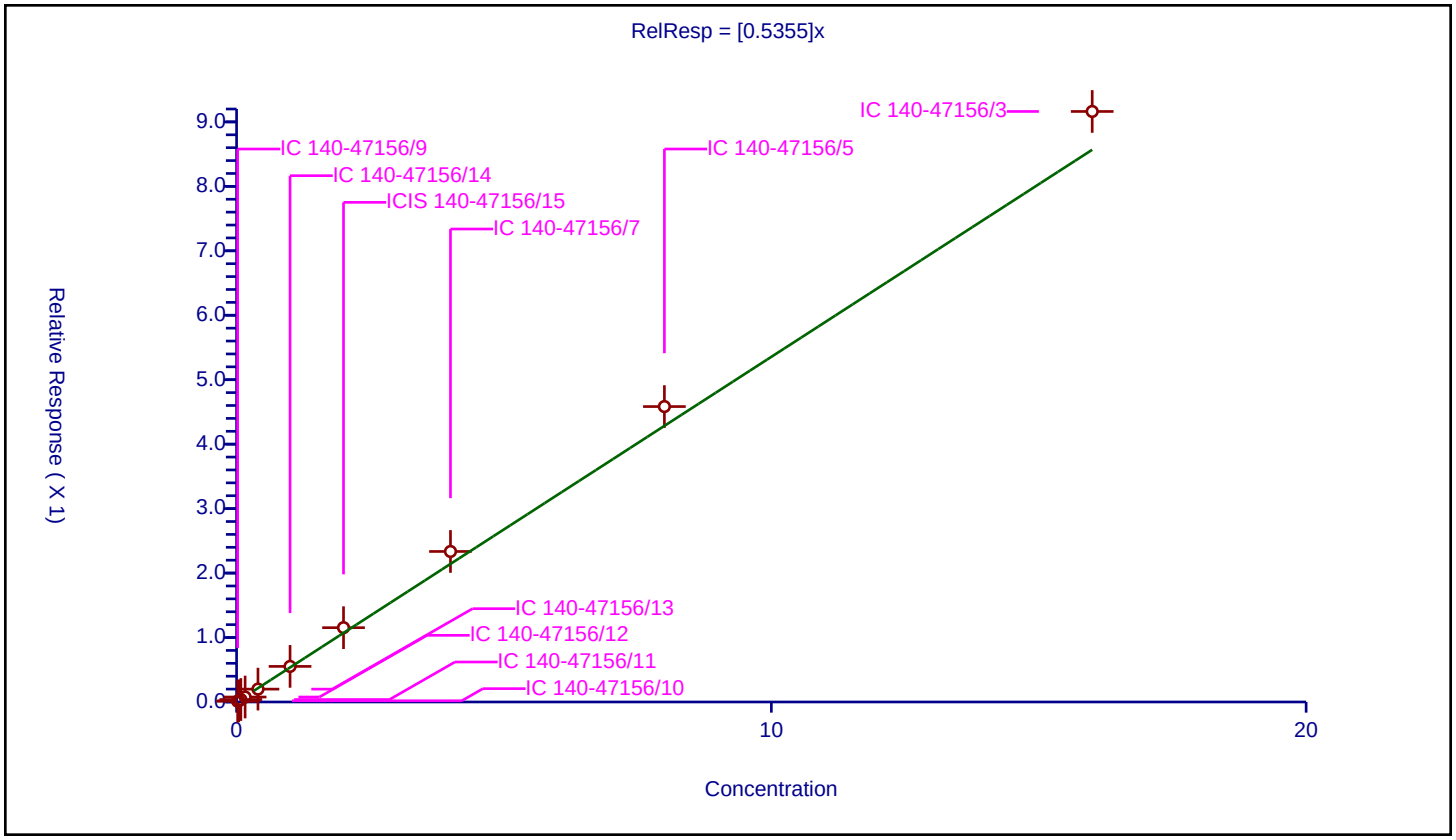
Curve Coefficients

Intercept:	0
Slope:	0.5355

Error Coefficients

Standard Error:	643000
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 140-47156/9	0.02	0.011266	4.8	886633.0	0.5633	Y
2	IC 140-47156/10	0.04	0.018955	4.8	871628.0	0.473872	Y
3	IC 140-47156/11	0.08	0.038392	4.8	885173.0	0.479906	Y
4	IC 140-47156/12	0.16	0.076955	4.8	890262.0	0.480971	Y
5	IC 140-47156/13	0.4	0.199659	4.8	868458.0	0.499147	Y
6	IC 140-47156/14	1.0	0.552004	4.8	852020.0	0.552004	Y
7	ICIS 140-47156/15	2.0	1.152709	4.8	855224.0	0.576354	Y
8	IC 140-47156/7	4.0	2.335167	4.8	879848.0	0.583792	Y
9	IC 140-47156/5	8.0	4.583585	4.8	885254.0	0.572948	Y
10	IC 140-47156/3	16.0	9.162108	4.8	871503.0	0.572632	Y



Calibration / Toluene

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

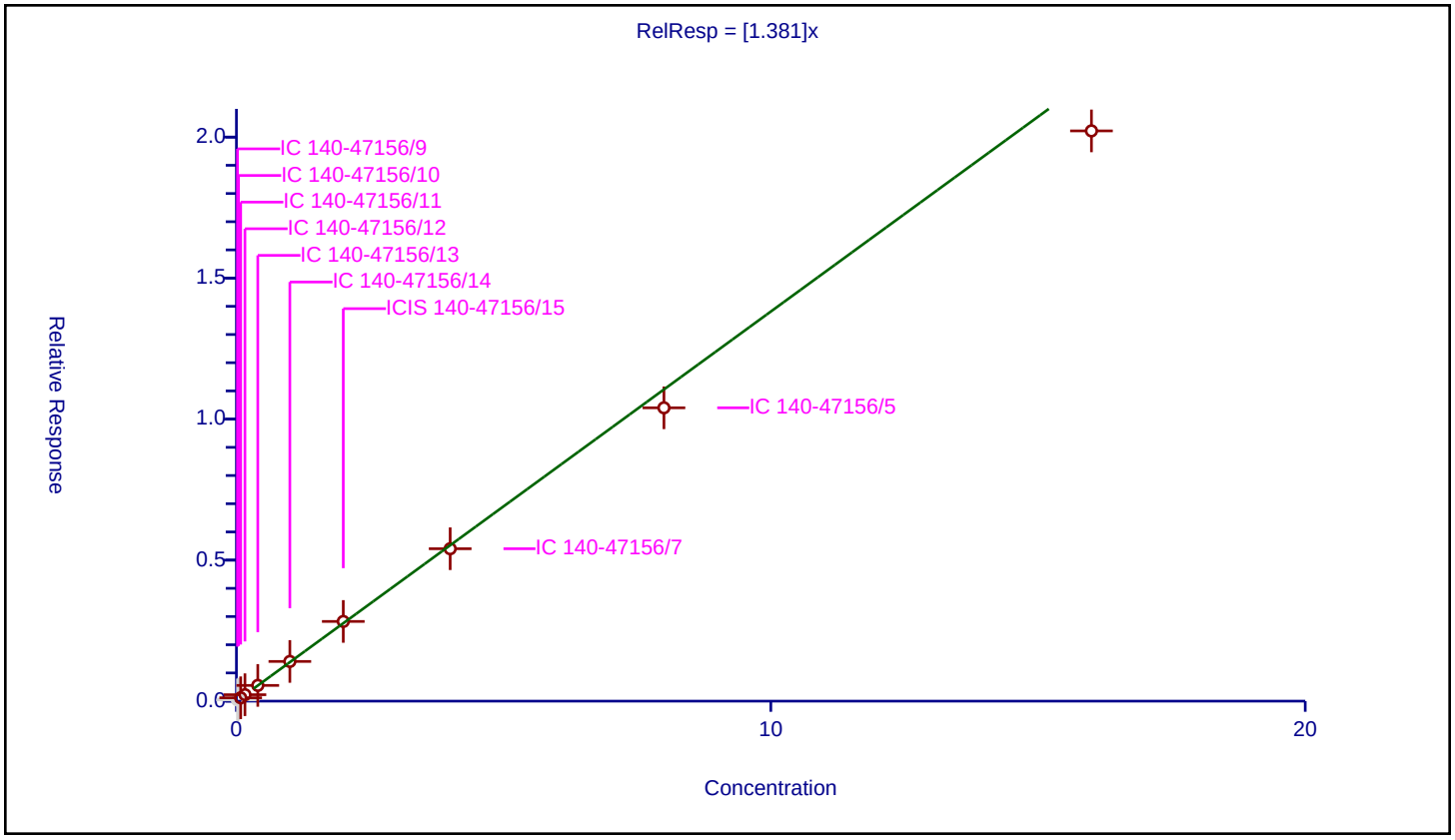
Curve Coefficients

Intercept:	0
Slope:	1.381

Error Coefficients

Standard Error:	1620000
Relative Standard Error:	5.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.043337	4.8	886633.0	2.166849	N
2	IC 140-47156/10	0.04	0.06811	4.8	871628.0	1.702745	N
3	IC 140-47156/11	0.08	0.119516	4.8	885173.0	1.493945	Y
4	IC 140-47156/12	0.16	0.228359	4.8	890262.0	1.427243	Y
5	IC 140-47156/13	0.4	0.55812	4.8	868458.0	1.395301	Y
6	IC 140-47156/14	1.0	1.407173	4.8	852020.0	1.407173	Y
7	ICIS 140-47156/15	2.0	2.825668	4.8	855224.0	1.412834	Y
8	IC 140-47156/7	4.0	5.404184	4.8	879848.0	1.351046	Y
9	IC 140-47156/5	8.0	10.401066	4.8	885254.0	1.300133	Y
10	IC 140-47156/3	16.0	20.219761	4.8	871503.0	1.263735	Y



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

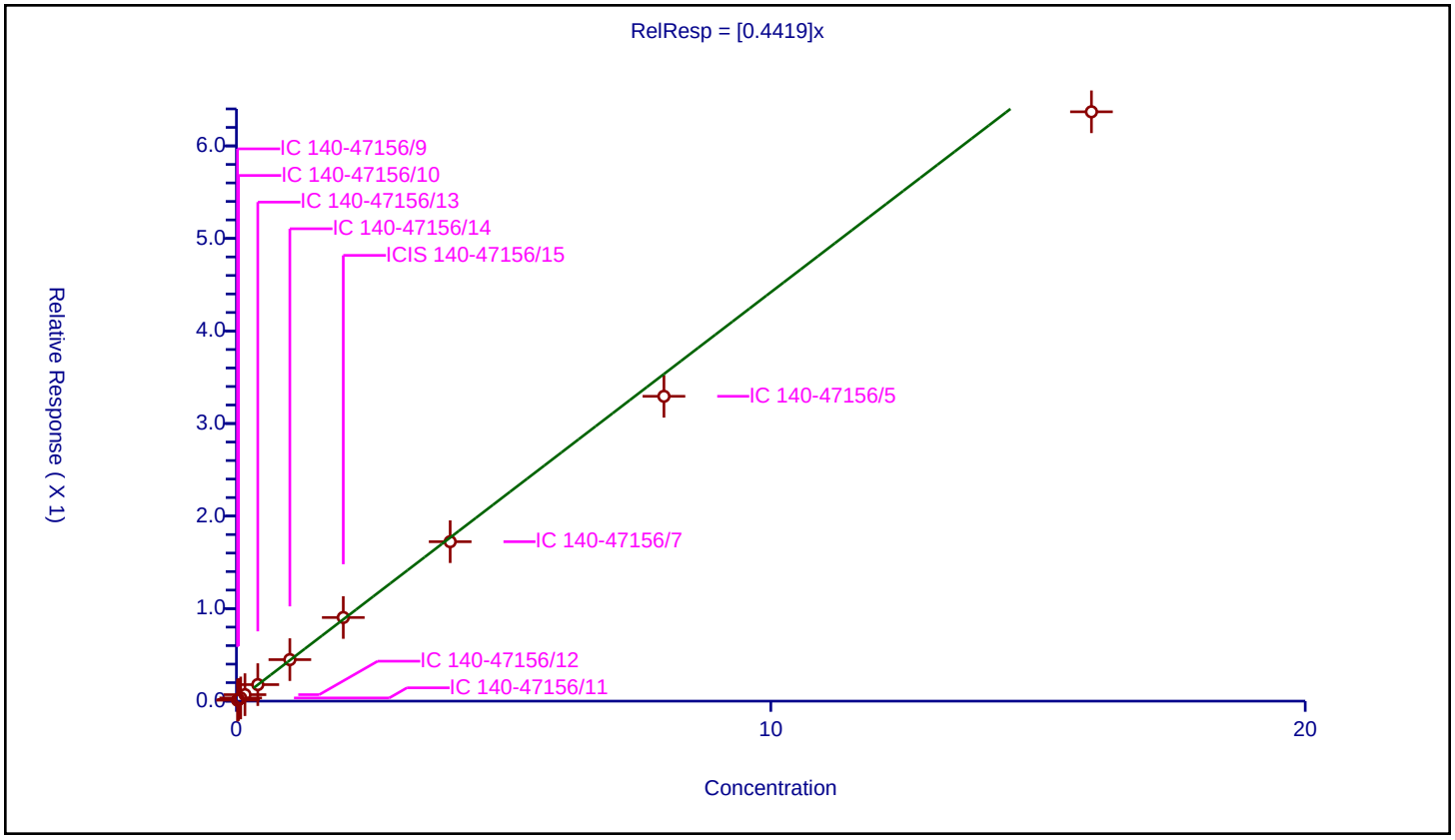
Curve Coefficients

Intercept:	0
Slope:	0.4419

Error Coefficients

Standard Error:	452000
Relative Standard Error:	7.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.01034	4.8	886633.0	0.517012	Y
2	IC 140-47156/10	0.04	0.017743	4.8	871628.0	0.443584	Y
3	IC 140-47156/11	0.08	0.034532	4.8	885173.0	0.431644	Y
4	IC 140-47156/12	0.16	0.070173	4.8	890262.0	0.438579	Y
5	IC 140-47156/13	0.4	0.178606	4.8	868458.0	0.446516	Y
6	IC 140-47156/14	1.0	0.448626	4.8	852020.0	0.448626	Y
7	ICIS 140-47156/15	2.0	0.90396	4.8	855224.0	0.45198	Y
8	IC 140-47156/7	4.0	1.722958	4.8	879848.0	0.430739	Y
9	IC 140-47156/5	8.0	3.294274	4.8	885254.0	0.411784	Y
10	IC 140-47156/3	16.0	6.368727	4.8	871503.0	0.398045	Y



Calibration / 2-Hexanone

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

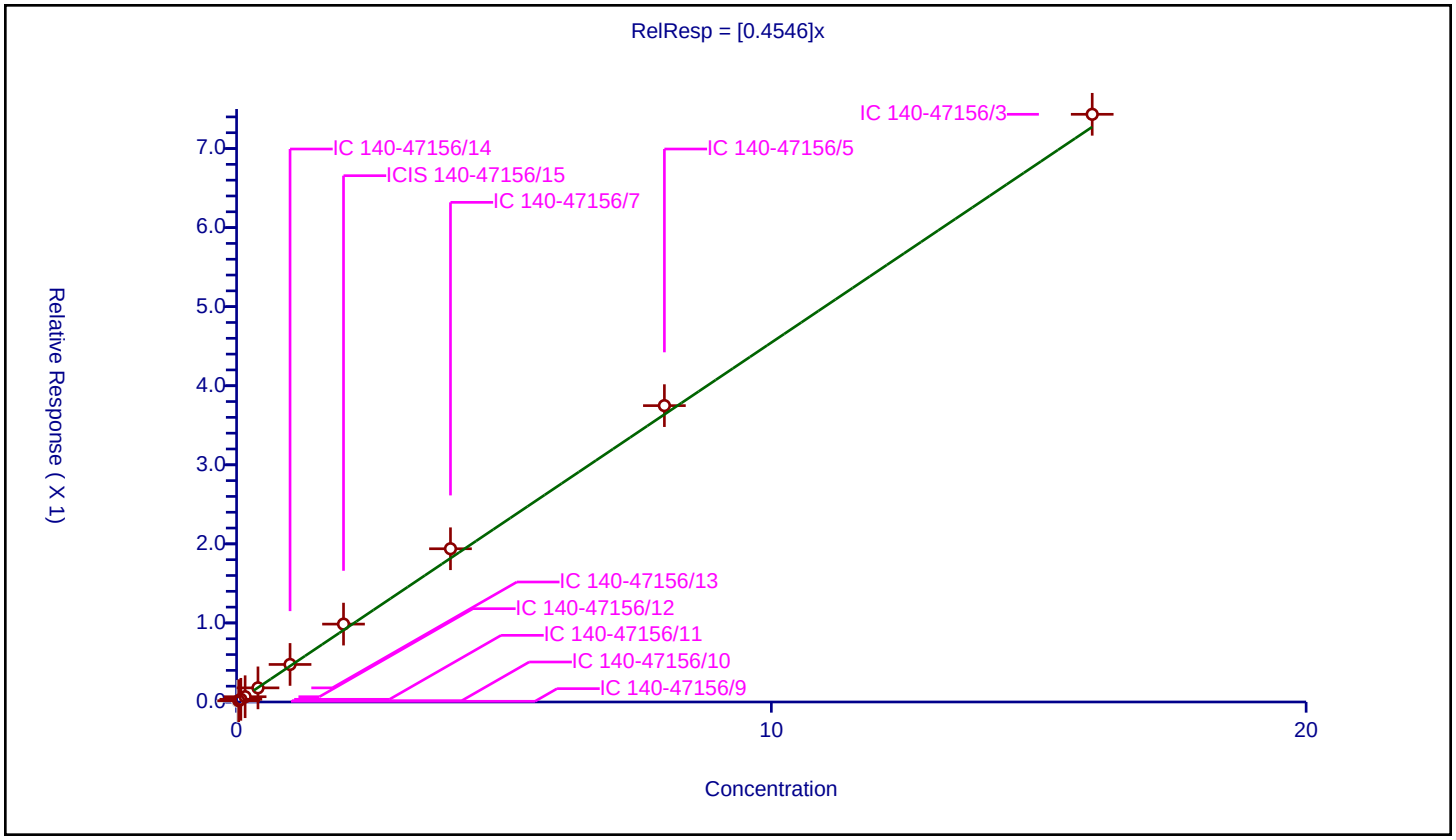
Curve Coefficients

Intercept:	0
Slope:	0.4546

Error Coefficients

Standard Error:	555000
Relative Standard Error:	6.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.009052	4.8	886633.0	0.452589	N
2	IC 140-47156/10	0.04	0.016824	4.8	871628.0	0.420592	Y
3	IC 140-47156/11	0.08	0.033908	4.8	885173.0	0.423849	Y
4	IC 140-47156/12	0.16	0.066485	4.8	890262.0	0.415529	Y
5	IC 140-47156/13	0.4	0.17854	4.8	868458.0	0.44635	Y
6	IC 140-47156/14	1.0	0.474845	4.8	852020.0	0.474845	Y
7	ICIS 140-47156/15	2.0	0.984898	4.8	855224.0	0.492449	Y
8	IC 140-47156/7	4.0	1.938308	4.8	879848.0	0.484577	Y
9	IC 140-47156/5	8.0	3.748256	4.8	885254.0	0.468532	Y
10	IC 140-47156/3	16.0	7.433321	4.8	871503.0	0.464583	Y



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

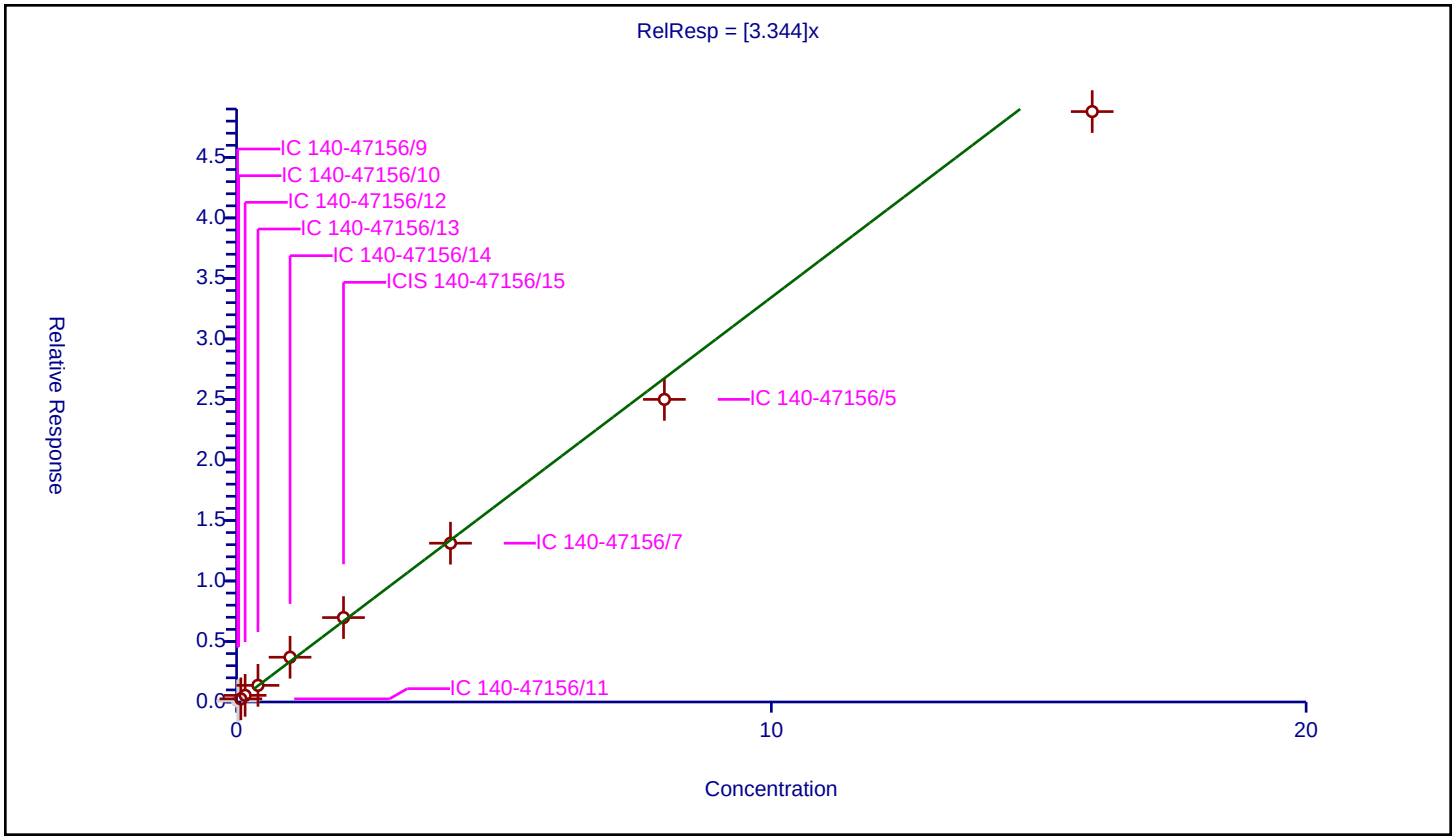
Curve Coefficients

Intercept:	0
Slope:	3.344

Error Coefficients

Standard Error:	4460000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.076593	4.8	1036476.0	3.829669	N
2	IC 140-47156/10	0.04	0.141868	4.8	1018244.0	3.546694	N
3	IC 140-47156/11	0.08	0.26061	4.8	1033433.0	3.257628	Y
4	IC 140-47156/12	0.16	0.546796	4.8	1037995.0	3.417473	Y
5	IC 140-47156/13	0.4	1.373366	4.8	1011017.0	3.433414	Y
6	IC 140-47156/14	1.0	3.697838	4.8	994525.0	3.697838	Y
7	ICIS 140-47156/15	2.0	6.976189	4.8	991921.0	3.488095	Y
8	IC 140-47156/7	4.0	13.122135	4.8	1014729.0	3.280534	Y
9	IC 140-47156/5	8.0	25.004168	4.8	1023390.0	3.125521	Y
10	IC 140-47156/3	16.0	48.788335	4.8	985275.0	3.049271	Y



Calibration / n-Octane

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

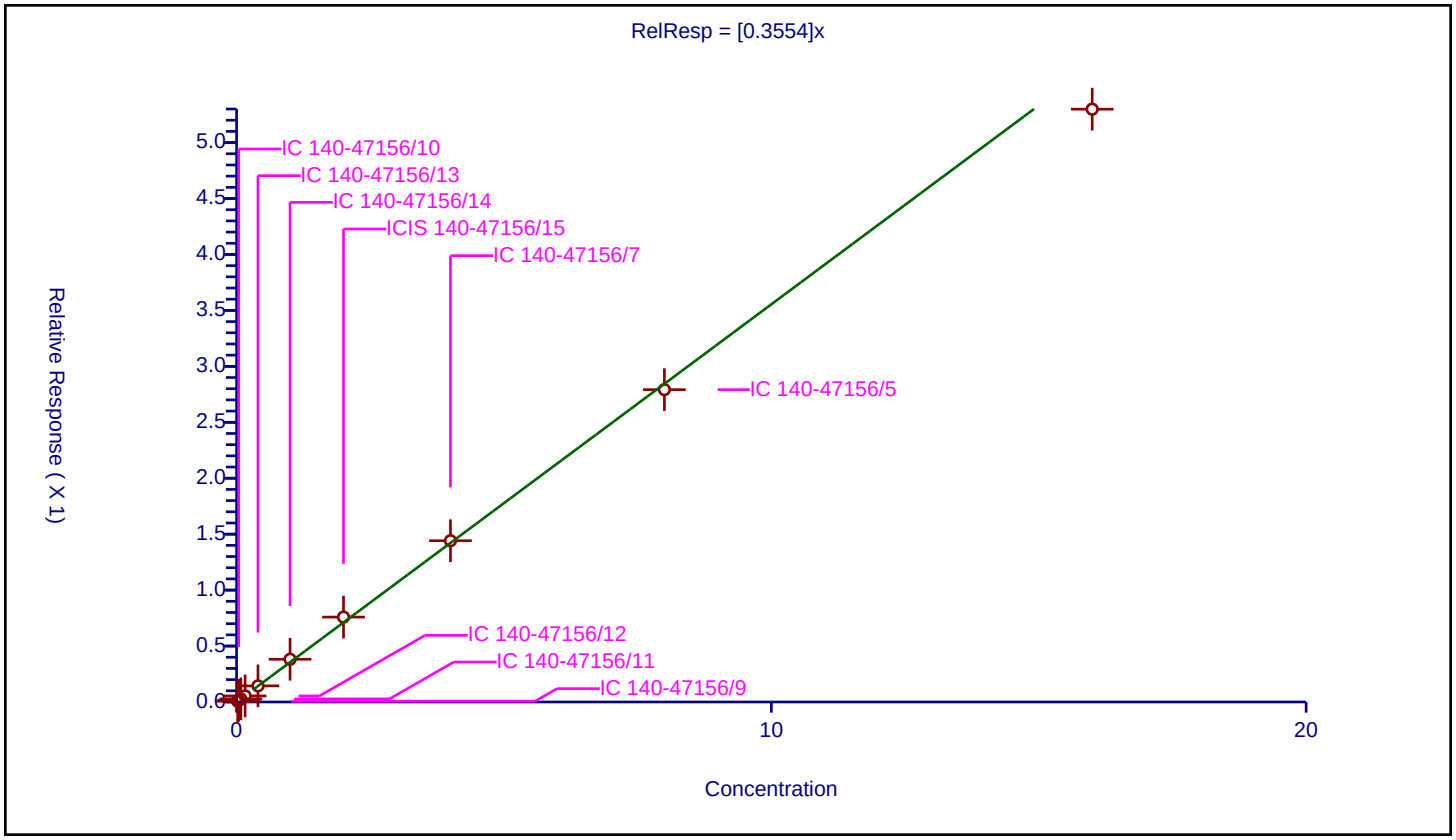
Curve Coefficients

Intercept:	0
Slope:	0.3554

Error Coefficients

Standard Error:	378000
Relative Standard Error:	5.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.006697	4.8	886633.0	0.33484	Y
2	IC 140-47156/10	0.04	0.014814	4.8	871628.0	0.370341	Y
3	IC 140-47156/11	0.08	0.027851	4.8	885173.0	0.348135	Y
4	IC 140-47156/12	0.16	0.054305	4.8	890262.0	0.339406	Y
5	IC 140-47156/13	0.4	0.143985	4.8	868458.0	0.359962	Y
6	IC 140-47156/14	1.0	0.381845	4.8	852020.0	0.381845	Y
7	ICIS 140-47156/15	2.0	0.758869	4.8	855224.0	0.379435	Y
8	IC 140-47156/7	4.0	1.441302	4.8	879848.0	0.360325	Y
9	IC 140-47156/5	8.0	2.791719	4.8	885254.0	0.348965	Y
10	IC 140-47156/3	16.0	5.29862	4.8	871503.0	0.331164	Y



Calibration / Chlorodibromomethane

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

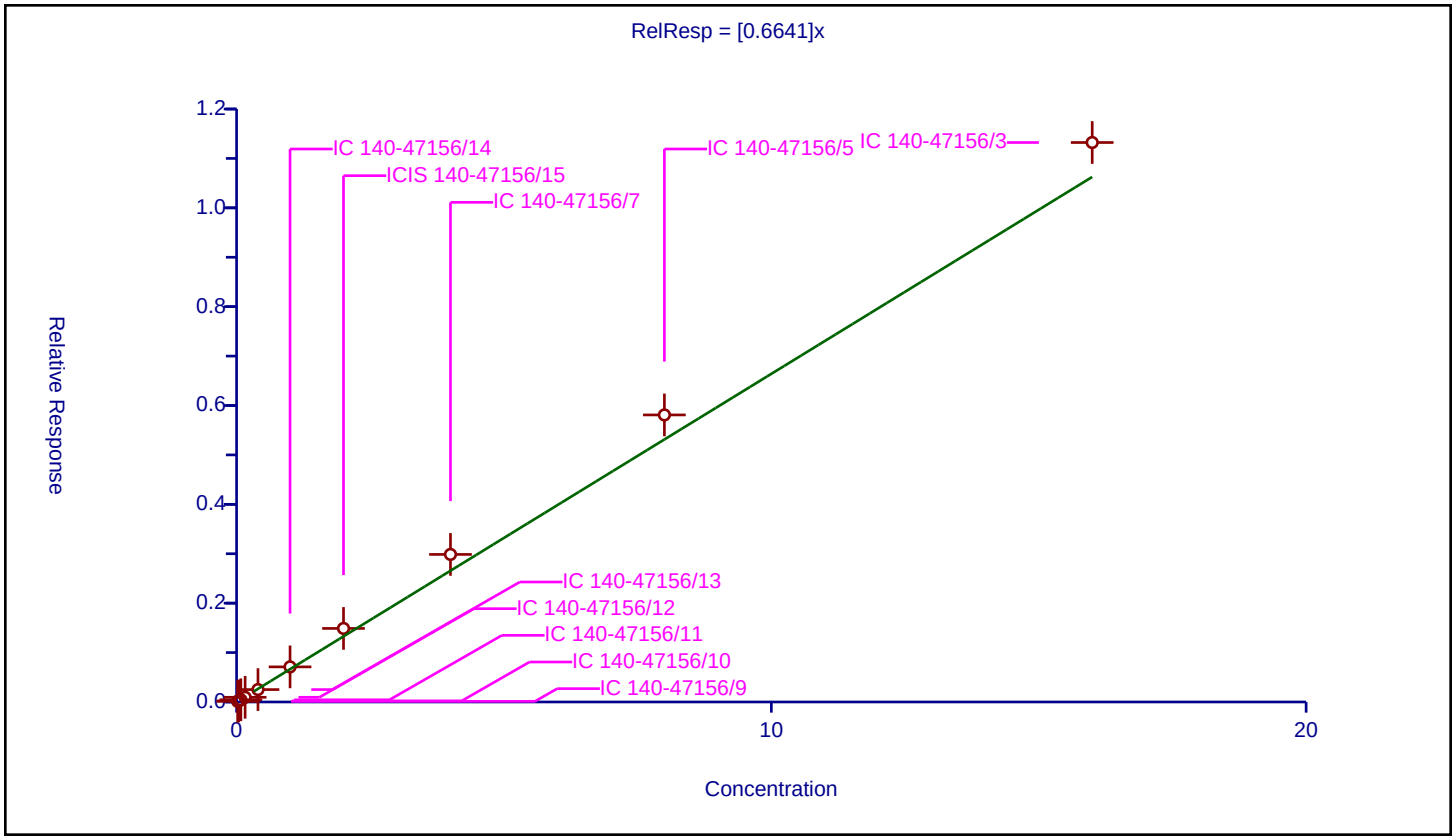
Curve Coefficients

Intercept:	0
Slope:	0.6641

Error Coefficients

Standard Error:	800000
Relative Standard Error:	10.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.01302	4.8	886633.0	0.651002	Y
2	IC 140-47156/10	0.04	0.022854	4.8	871628.0	0.571345	Y
3	IC 140-47156/11	0.08	0.044753	4.8	885173.0	0.559416	Y
4	IC 140-47156/12	0.16	0.095303	4.8	890262.0	0.595645	Y
5	IC 140-47156/13	0.4	0.251325	4.8	868458.0	0.628314	Y
6	IC 140-47156/14	1.0	0.710389	4.8	852020.0	0.710389	Y
7	ICIS 140-47156/15	2.0	1.488402	4.8	855224.0	0.744201	Y
8	IC 140-47156/7	4.0	2.986421	4.8	879848.0	0.746605	Y
9	IC 140-47156/5	8.0	5.809159	4.8	885254.0	0.726145	Y
10	IC 140-47156/3	16.0	11.322106	4.8	871503.0	0.707632	Y



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

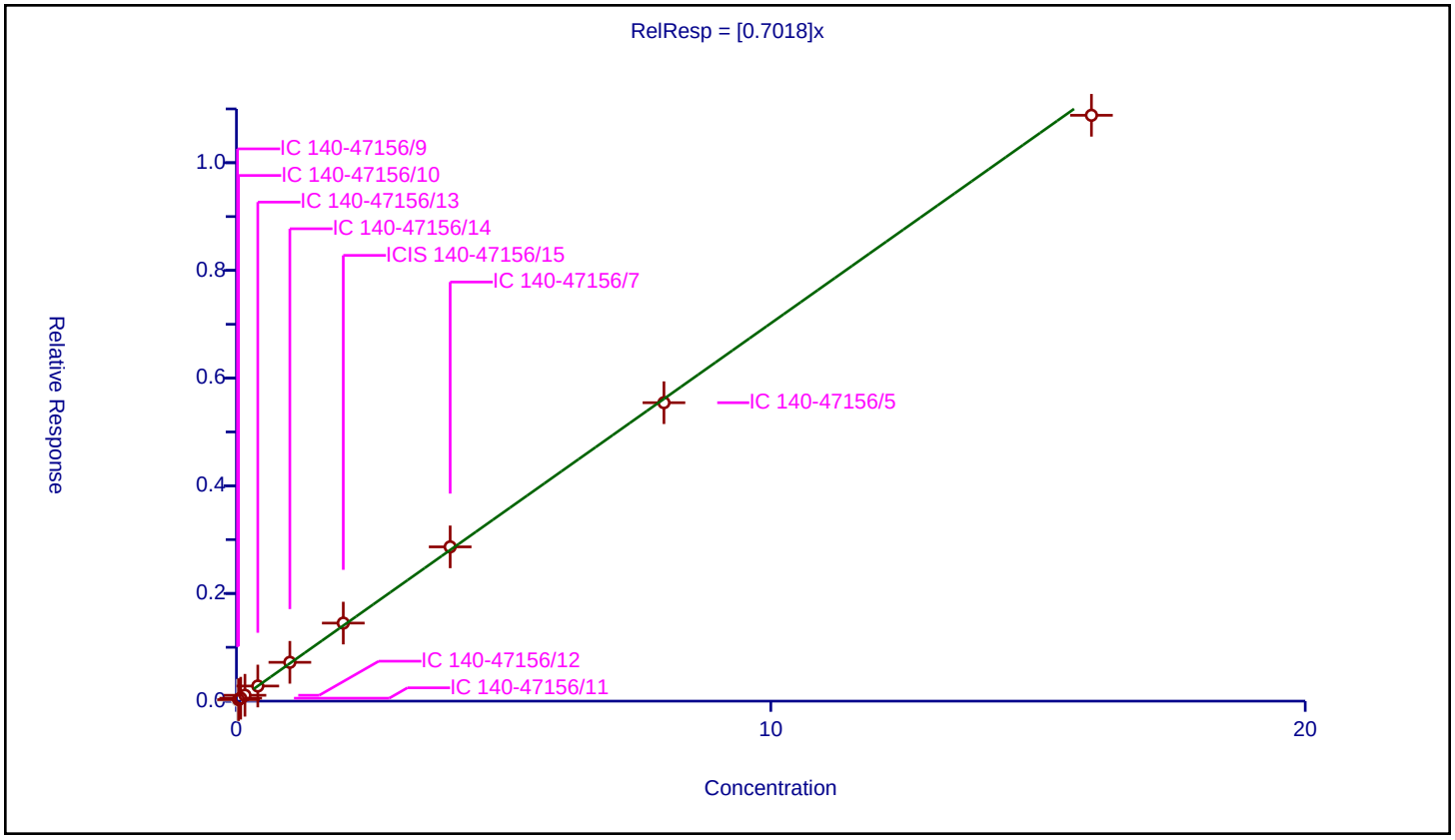
Curve Coefficients

Intercept:	0
Slope:	0.7018

Error Coefficients

Standard Error:	815000
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 140-47156/9	0.02	0.016582	4.8	886633.0	0.829114	N
2	IC 140-47156/10	0.04	0.028598	4.8	871628.0	0.714938	Y
3	IC 140-47156/11	0.08	0.05453	4.8	885173.0	0.681629	Y
4	IC 140-47156/12	0.16	0.109074	4.8	890262.0	0.681709	Y
5	IC 140-47156/13	0.4	0.280845	4.8	868458.0	0.702113	Y
6	IC 140-47156/14	1.0	0.72111	4.8	852020.0	0.72111	Y
7	ICIS 140-47156/15	2.0	1.449826	4.8	855224.0	0.724913	Y
8	IC 140-47156/7	4.0	2.865648	4.8	879848.0	0.716412	Y
9	IC 140-47156/5	8.0	5.543049	4.8	885254.0	0.692881	Y
10	IC 140-47156/3	16.0	10.881174	4.8	871503.0	0.680073	Y



Calibration / Tetrachloroethene

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

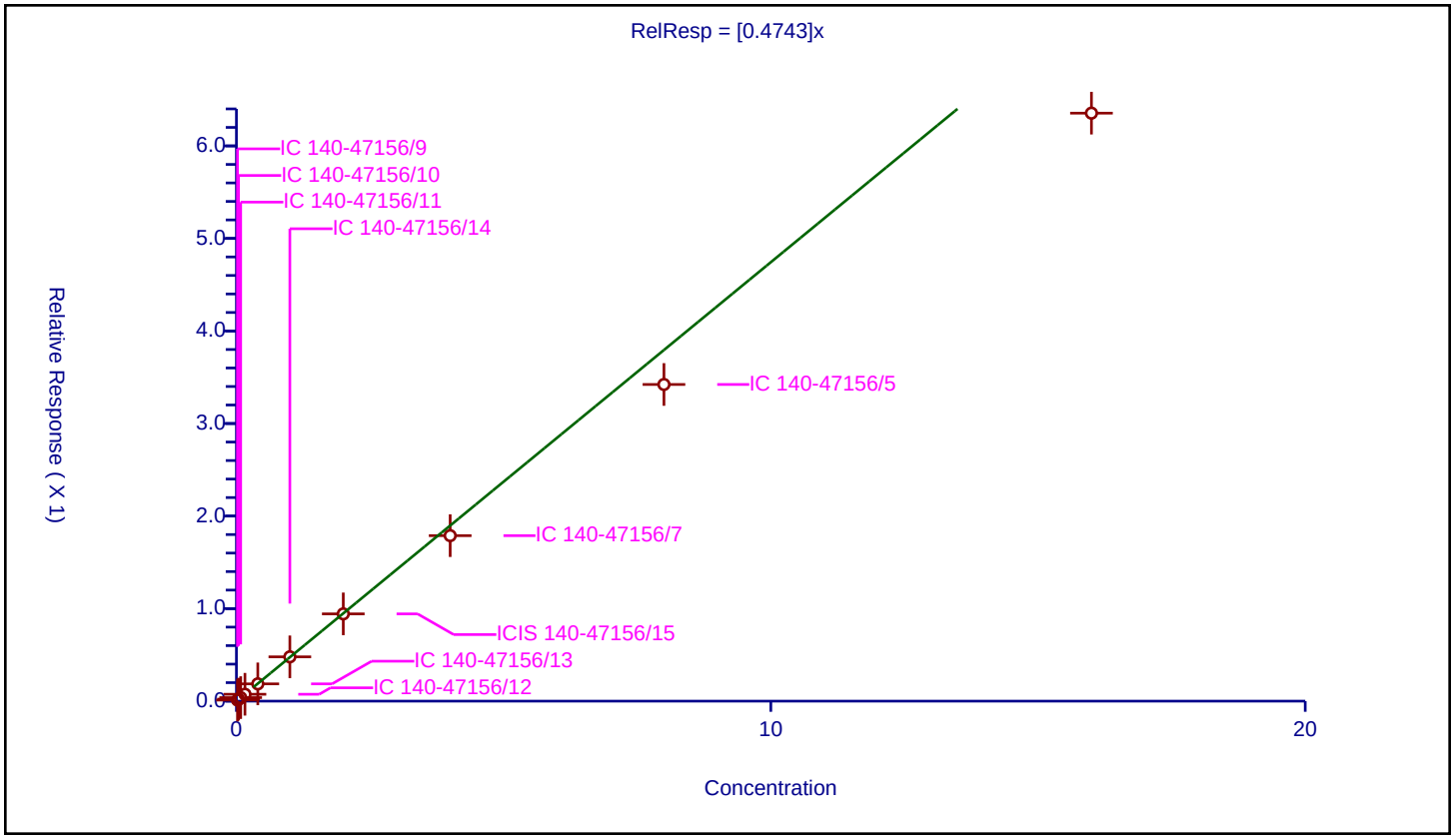
Curve Coefficients

Intercept:	0
Slope:	0.4743

Error Coefficients

Standard Error:	456000
Relative Standard Error:	10.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.011504	4.8	886633.0	0.57521	Y
2	IC 140-47156/10	0.04	0.021405	4.8	871628.0	0.535137	Y
3	IC 140-47156/11	0.08	0.038252	4.8	885173.0	0.478144	Y
4	IC 140-47156/12	0.16	0.074464	4.8	890262.0	0.465402	Y
5	IC 140-47156/13	0.4	0.186753	4.8	868458.0	0.466883	Y
6	IC 140-47156/14	1.0	0.478749	4.8	852020.0	0.478749	Y
7	ICIS 140-47156/15	2.0	0.943152	4.8	855224.0	0.471576	Y
8	IC 140-47156/7	4.0	1.788385	4.8	879848.0	0.447096	Y
9	IC 140-47156/5	8.0	3.421868	4.8	885254.0	0.427734	Y
10	IC 140-47156/3	16.0	6.35406	4.8	871503.0	0.397129	Y



Calibration / Chlorobenzene

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

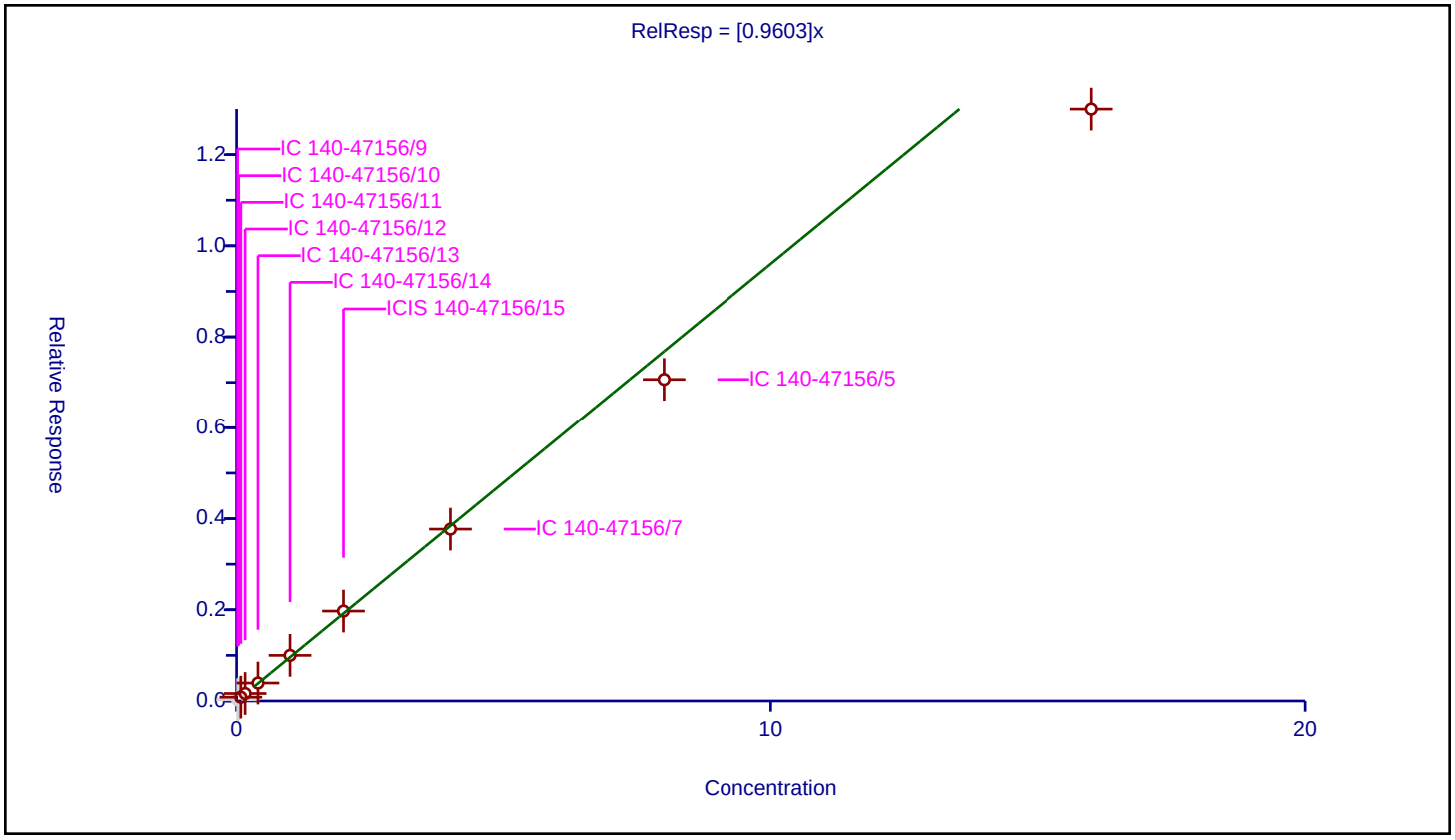
Curve Coefficients

Intercept:	0
Slope:	0.9603

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	8.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.02682	4.8	886633.0	1.340983	N
2	IC 140-47156/10	0.04	0.046247	4.8	871628.0	1.156181	N
3	IC 140-47156/11	0.08	0.083975	4.8	885173.0	1.049693	Y
4	IC 140-47156/12	0.16	0.164063	4.8	890262.0	1.025395	Y
5	IC 140-47156/13	0.4	0.39358	4.8	868458.0	0.983951	Y
6	IC 140-47156/14	1.0	1.000269	4.8	852020.0	1.000269	Y
7	ICIS 140-47156/15	2.0	1.971374	4.8	855224.0	0.985687	Y
8	IC 140-47156/7	4.0	3.769136	4.8	879848.0	0.942284	Y
9	IC 140-47156/5	8.0	7.064343	4.8	885254.0	0.883043	Y
10	IC 140-47156/3	16.0	12.998196	4.8	871503.0	0.812387	Y



Calibration / Ethylbenzene

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

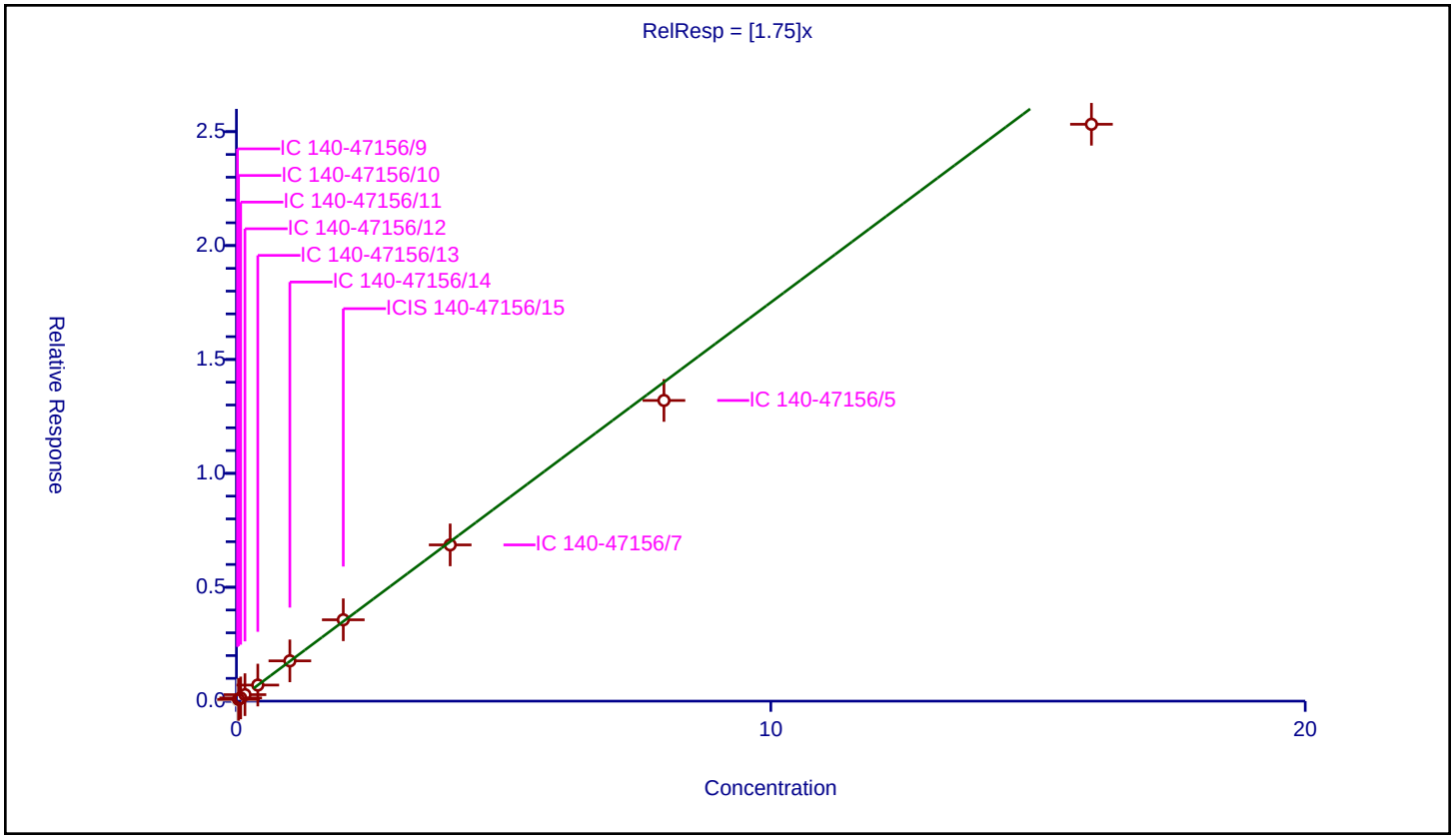
Curve Coefficients

Intercept:	0
Slope:	1.75

Error Coefficients

Standard Error:	1910000
Relative Standard Error:	5.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.044274	4.8	886633.0	2.213678	N
2	IC 140-47156/10	0.04	0.078017	4.8	871628.0	1.950419	Y
3	IC 140-47156/11	0.08	0.140816	4.8	885173.0	1.760198	Y
4	IC 140-47156/12	0.16	0.284378	4.8	890262.0	1.777364	Y
5	IC 140-47156/13	0.4	0.705758	4.8	868458.0	1.764396	Y
6	IC 140-47156/14	1.0	1.768173	4.8	852020.0	1.768173	Y
7	ICIS 140-47156/15	2.0	3.571348	4.8	855224.0	1.785674	Y
8	IC 140-47156/7	4.0	6.858977	4.8	879848.0	1.714744	Y
9	IC 140-47156/5	8.0	13.200442	4.8	885254.0	1.650055	Y
10	IC 140-47156/3	16.0	25.324862	4.8	871503.0	1.582804	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

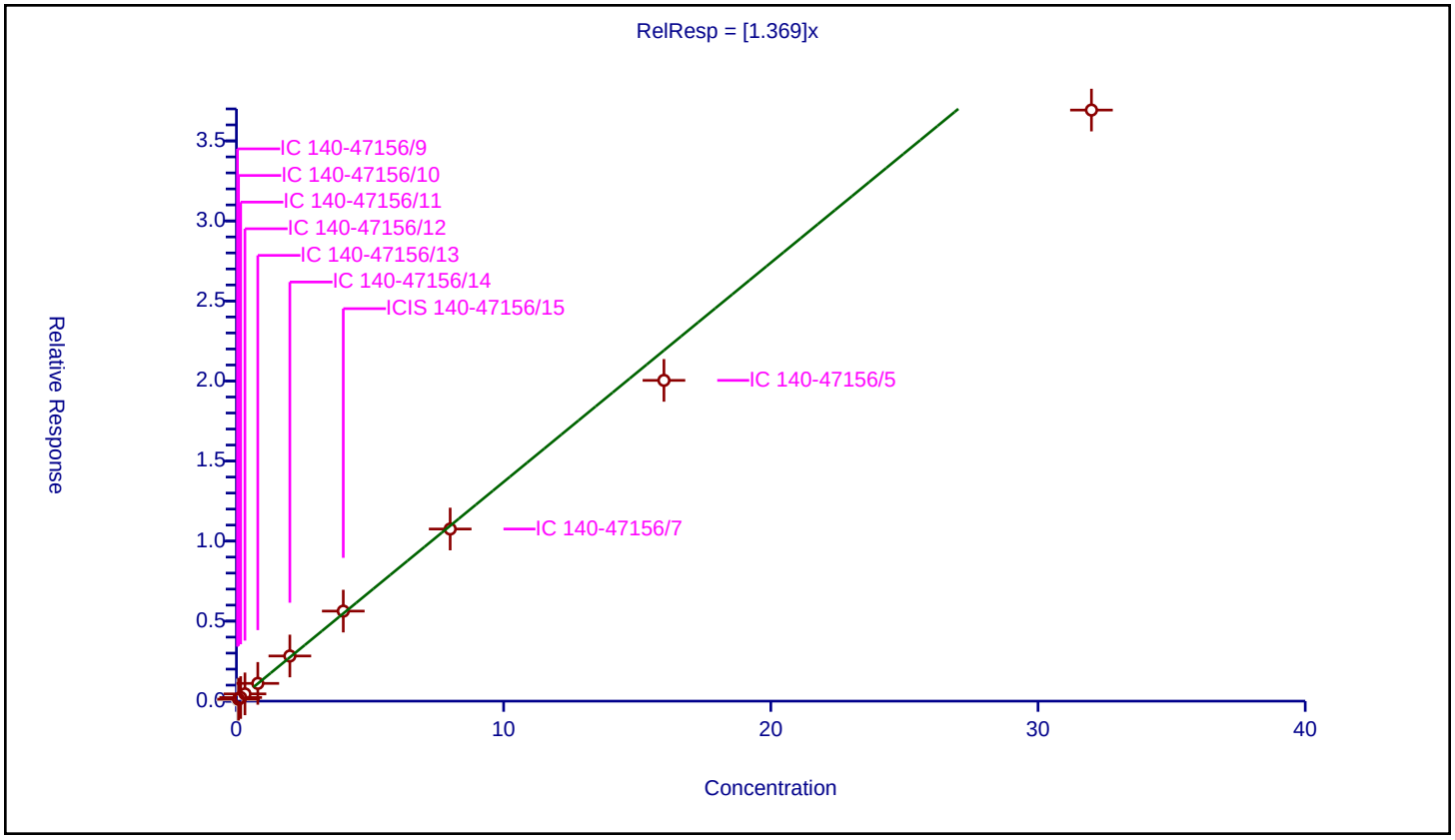
Curve Coefficients

Intercept:	0
Slope:	1.369

Error Coefficients

Standard Error:	2820000
Relative Standard Error:	8.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.04	0.07544	4.8	886633.0	1.886011	N
2	IC 140-47156/10	0.08	0.12417	4.8	871628.0	1.55213	Y
3	IC 140-47156/11	0.16	0.224764	4.8	885173.0	1.404776	Y
4	IC 140-47156/12	0.32	0.452798	4.8	890262.0	1.414994	Y
5	IC 140-47156/13	0.8	1.10837	4.8	868458.0	1.385463	Y
6	IC 140-47156/14	2.0	2.821342	4.8	852020.0	1.410671	Y
7	ICIS 140-47156/15	4.0	5.624357	4.8	855224.0	1.406089	Y
8	IC 140-47156/7	8.0	10.753541	4.8	879848.0	1.344193	Y
9	IC 140-47156/5	16.0	20.039813	4.8	885254.0	1.252488	Y
10	IC 140-47156/3	32.0	36.926804	4.8	871503.0	1.153963	Y



Calibration / n-Nonane

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

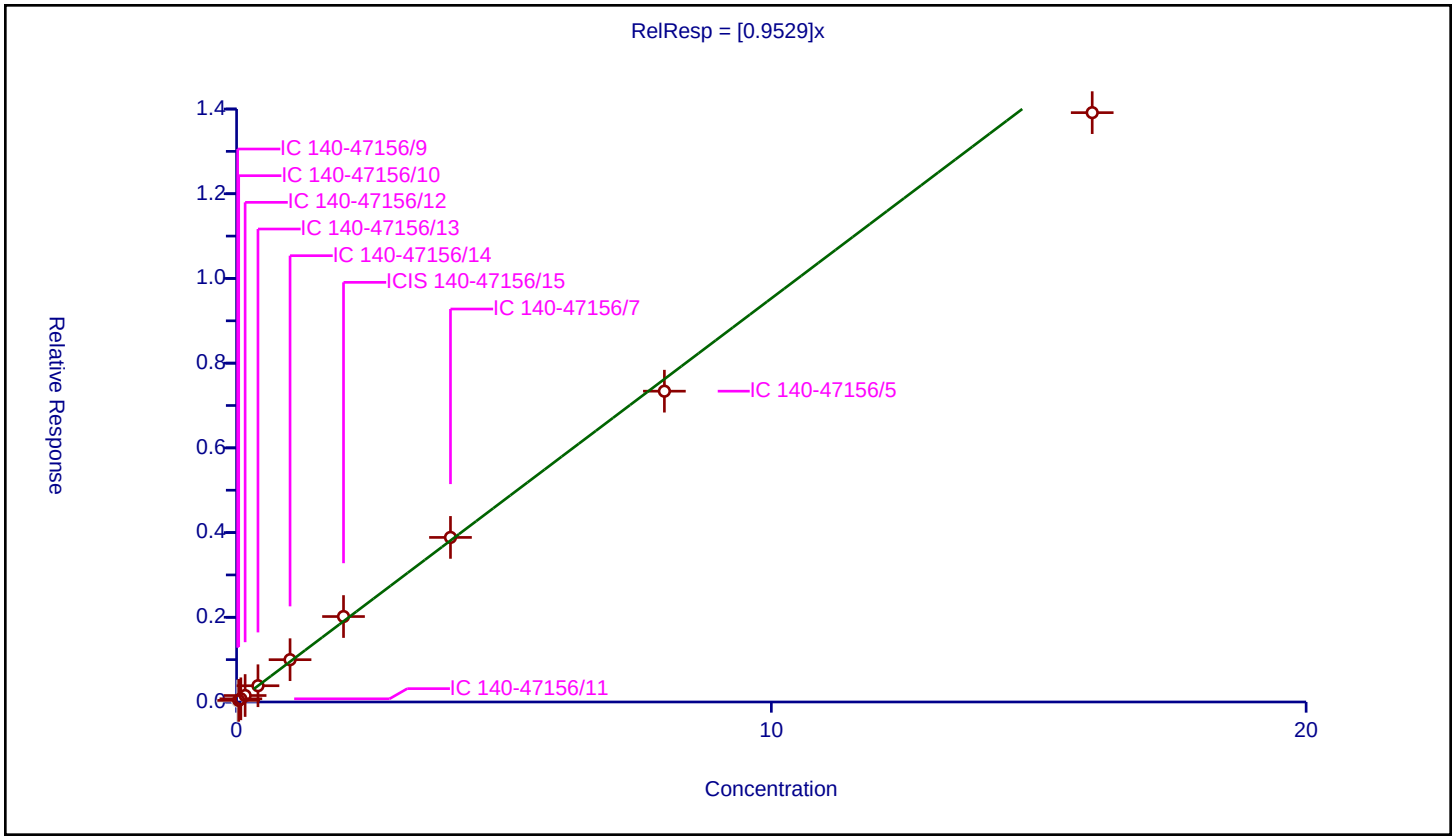
Curve Coefficients

Intercept:	0
Slope:	0.9529

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	4.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.021671	4.8	886633.0	1.08356	N
2	IC 140-47156/10	0.04	0.038273	4.8	871628.0	0.95683	Y
3	IC 140-47156/11	0.08	0.075267	4.8	885173.0	0.940833	Y
4	IC 140-47156/12	0.16	0.152622	4.8	890262.0	0.953888	Y
5	IC 140-47156/13	0.4	0.383527	4.8	868458.0	0.958817	Y
6	IC 140-47156/14	1.0	0.998658	4.8	852020.0	0.998658	Y
7	ICIS 140-47156/15	2.0	2.017695	4.8	855224.0	1.008847	Y
8	IC 140-47156/7	4.0	3.885377	4.8	879848.0	0.971344	Y
9	IC 140-47156/5	8.0	7.337978	4.8	885254.0	0.917247	Y
10	IC 140-47156/3	16.0	13.914274	4.8	871503.0	0.869642	Y



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

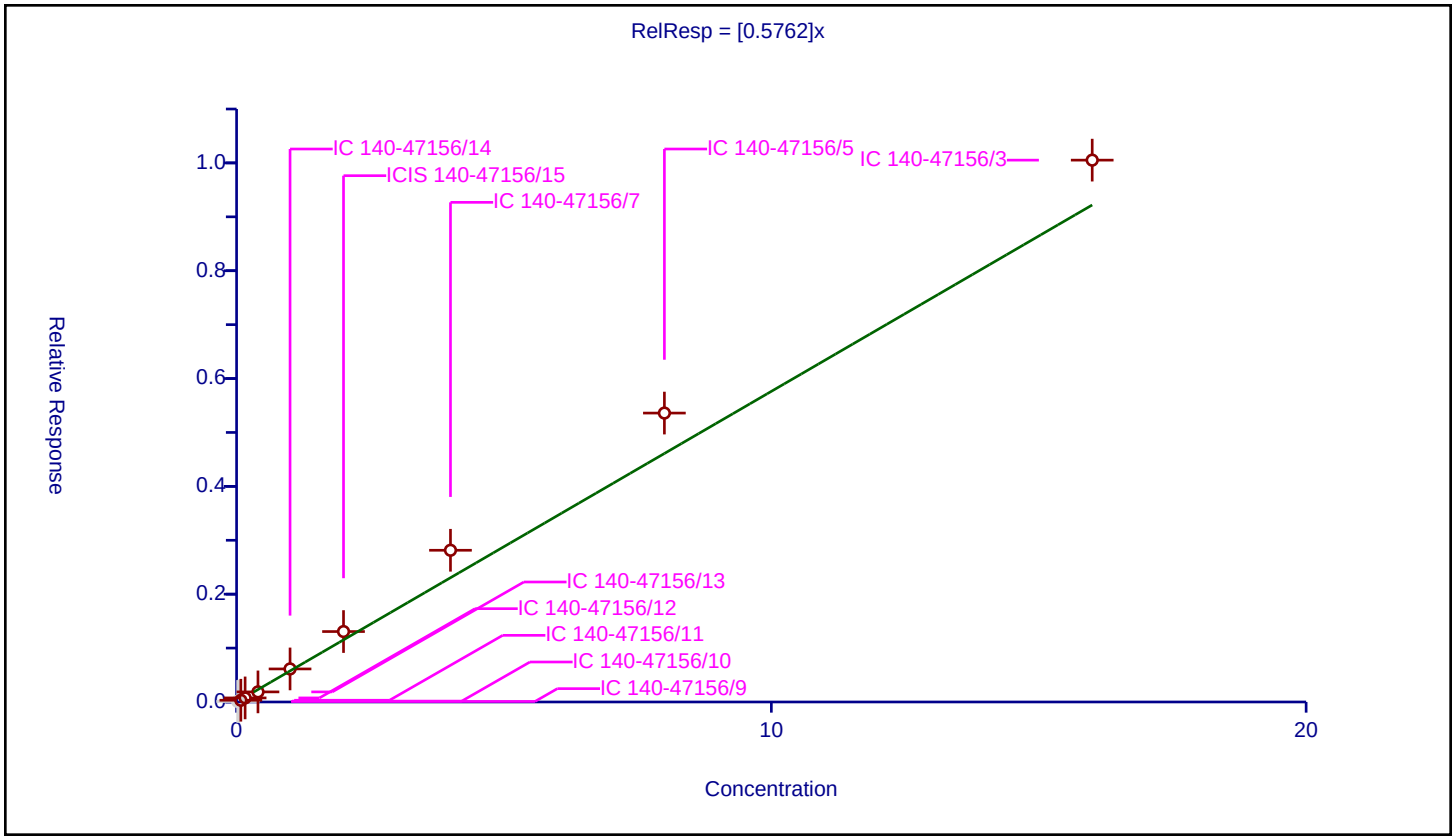
Curve Coefficients

Intercept:	0
Slope:	0.5762

Error Coefficients

Standard Error:	814000
Relative Standard Error:	19.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.960

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.010199	4.8	886633.0	0.509974	N
2	IC 140-47156/10	0.04	0.016548	4.8	871628.0	0.413709	N
3	IC 140-47156/11	0.08	0.032162	4.8	885173.0	0.402023	Y
4	IC 140-47156/12	0.16	0.075386	4.8	890262.0	0.471165	Y
5	IC 140-47156/13	0.4	0.187311	4.8	868458.0	0.468278	Y
6	IC 140-47156/14	1.0	0.613242	4.8	852020.0	0.613242	Y
7	ICIS 140-47156/15	2.0	1.306684	4.8	855224.0	0.653342	Y
8	IC 140-47156/7	4.0	2.814492	4.8	879848.0	0.703623	Y
9	IC 140-47156/5	8.0	5.359839	4.8	885254.0	0.66998	Y
10	IC 140-47156/3	16.0	10.051694	4.8	871503.0	0.628231	Y



Calibration / Styrene

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

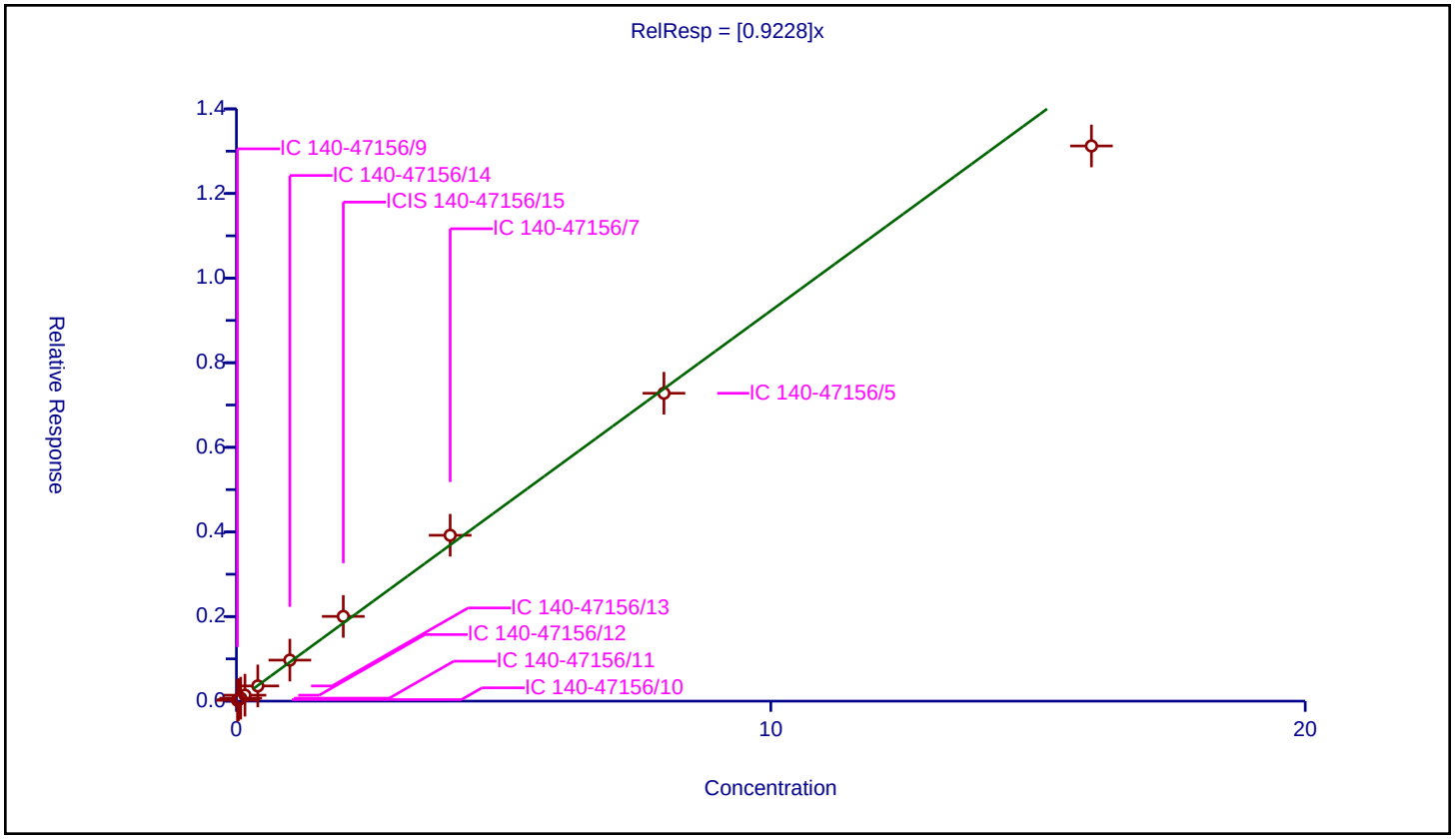
Curve Coefficients

Intercept:	0
Slope:	0.9228

Error Coefficients

Standard Error:	952000
Relative Standard Error:	6.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.019652	4.8	886633.0	0.982594	Y
2	IC 140-47156/10	0.04	0.036252	4.8	871628.0	0.906304	Y
3	IC 140-47156/11	0.08	0.070403	4.8	885173.0	0.880031	Y
4	IC 140-47156/12	0.16	0.140733	4.8	890262.0	0.879584	Y
5	IC 140-47156/13	0.4	0.359423	4.8	868458.0	0.898558	Y
6	IC 140-47156/14	1.0	0.969774	4.8	852020.0	0.969774	Y
7	ICIS 140-47156/15	2.0	2.002748	4.8	855224.0	1.001374	Y
8	IC 140-47156/7	4.0	3.92099	4.8	879848.0	0.980247	Y
9	IC 140-47156/5	8.0	7.277754	4.8	885254.0	0.909719	Y
10	IC 140-47156/3	16.0	13.123689	4.8	871503.0	0.820231	Y



Calibration / o-Xylene

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

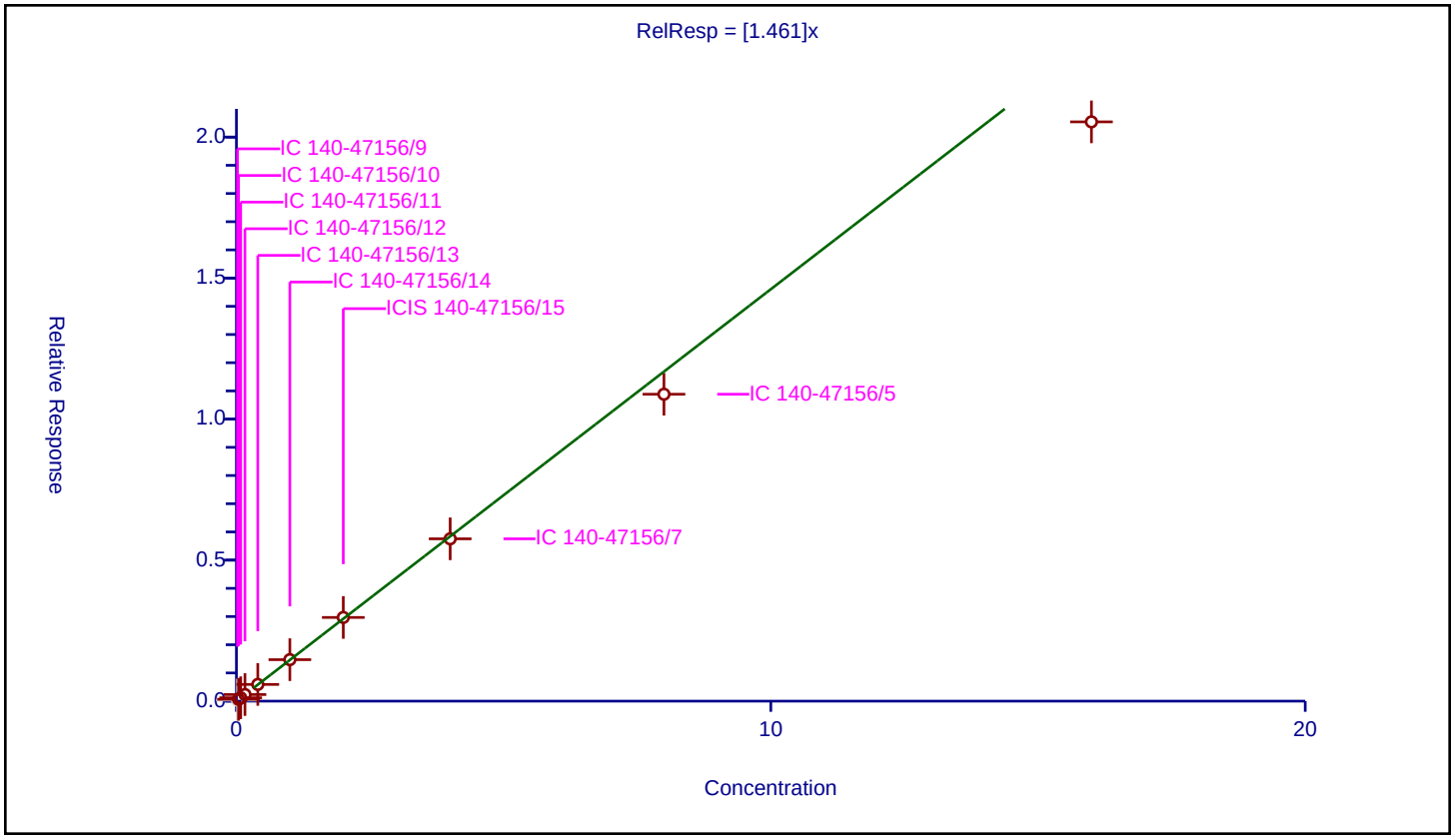
Curve Coefficients

Intercept:	0
Slope:	1.461

Error Coefficients

Standard Error:	1560000
Relative Standard Error:	7.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.038389	4.8	886633.0	1.919441	N
2	IC 140-47156/10	0.04	0.066557	4.8	871628.0	1.663921	Y
3	IC 140-47156/11	0.08	0.11996	4.8	885173.0	1.499503	Y
4	IC 140-47156/12	0.16	0.233977	4.8	890262.0	1.462356	Y
5	IC 140-47156/13	0.4	0.592526	4.8	868458.0	1.481315	Y
6	IC 140-47156/14	1.0	1.471171	4.8	852020.0	1.471171	Y
7	ICIS 140-47156/15	2.0	2.967531	4.8	855224.0	1.483766	Y
8	IC 140-47156/7	4.0	5.756031	4.8	879848.0	1.439008	Y
9	IC 140-47156/5	8.0	10.88229	4.8	885254.0	1.360286	Y
10	IC 140-47156/3	16.0	20.540068	4.8	871503.0	1.283754	Y



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

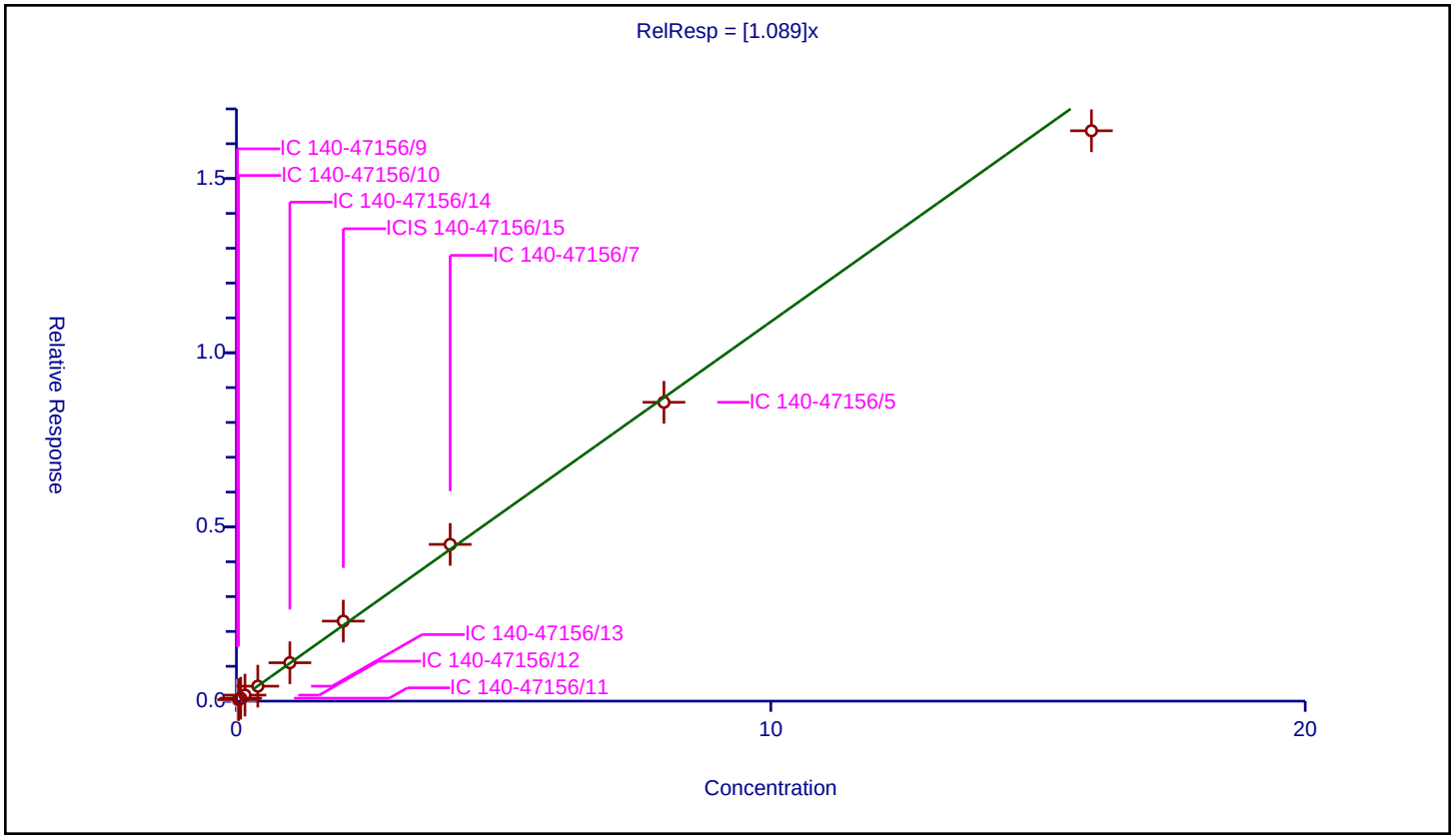
Curve Coefficients

Intercept:	0
Slope:	1.089

Error Coefficients

Standard Error:	1240000
Relative Standard Error:	3.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.024979	4.8	886633.0	1.24895	N
2	IC 140-47156/10	0.04	0.044579	4.8	871628.0	1.114466	Y
3	IC 140-47156/11	0.08	0.084751	4.8	885173.0	1.059386	Y
4	IC 140-47156/12	0.16	0.173278	4.8	890262.0	1.082985	Y
5	IC 140-47156/13	0.4	0.429329	4.8	868458.0	1.073323	Y
6	IC 140-47156/14	1.0	1.102126	4.8	852020.0	1.102126	Y
7	ICIS 140-47156/15	2.0	2.297026	4.8	855224.0	1.148513	Y
8	IC 140-47156/7	4.0	4.499304	4.8	879848.0	1.124826	Y
9	IC 140-47156/5	8.0	8.578398	4.8	885254.0	1.0723	Y
10	IC 140-47156/3	16.0	16.372168	4.8	871503.0	1.023261	Y



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

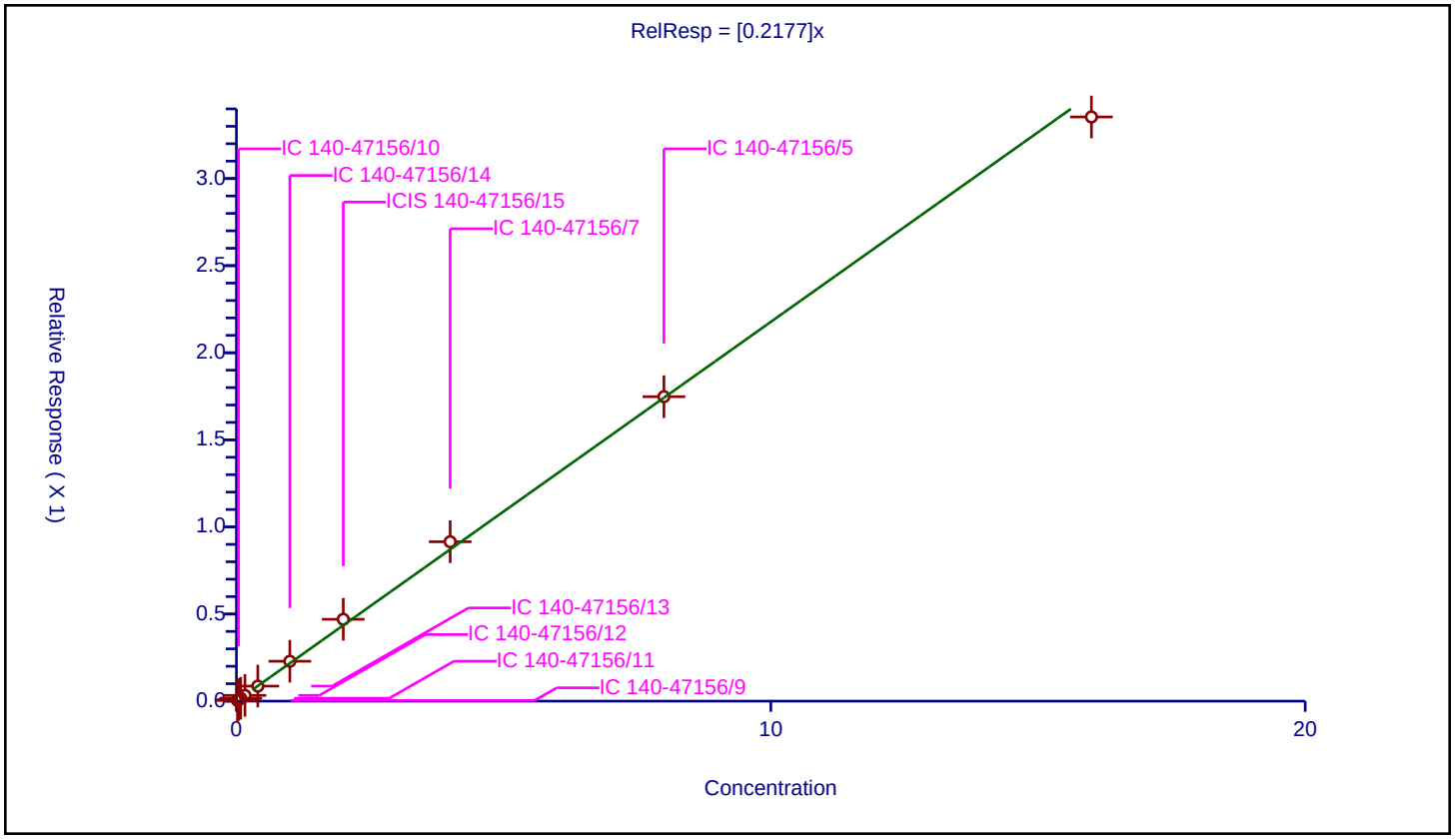
Curve Coefficients

Intercept:	0
Slope:	0.2177

Error Coefficients

Standard Error:	238000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.004087	4.8	886633.0	0.204369	Y
2	IC 140-47156/10	0.04	0.008916	4.8	871628.0	0.222893	Y
3	IC 140-47156/11	0.08	0.016604	4.8	885173.0	0.207553	Y
4	IC 140-47156/12	0.16	0.032949	4.8	890262.0	0.205928	Y
5	IC 140-47156/13	0.4	0.086365	4.8	868458.0	0.215914	Y
6	IC 140-47156/14	1.0	0.228913	4.8	852020.0	0.228913	Y
7	ICIS 140-47156/15	2.0	0.469749	4.8	855224.0	0.234875	Y
8	IC 140-47156/7	4.0	0.91506	4.8	879848.0	0.228765	Y
9	IC 140-47156/5	8.0	1.747826	4.8	885254.0	0.218478	Y
10	IC 140-47156/3	16.0	3.353616	4.8	871503.0	0.209601	Y



Calibration / Isopropylbenzene

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

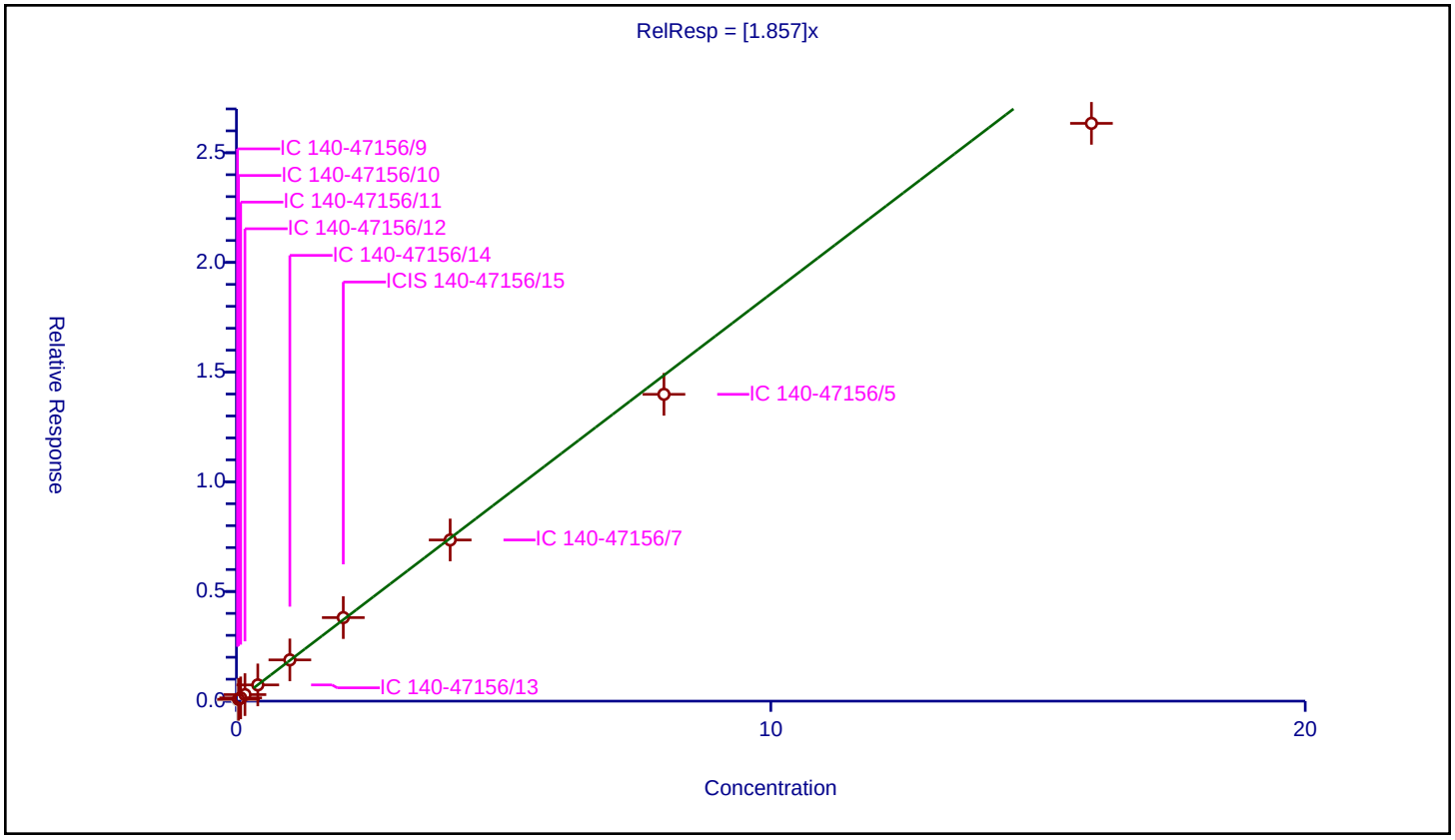
Curve Coefficients

Intercept:	0
Slope:	1.857

Error Coefficients

Standard Error:	2000000
Relative Standard Error:	6.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.050521	4.8	886633.0	2.526051	N
2	IC 140-47156/10	0.04	0.084592	4.8	871628.0	2.114801	Y
3	IC 140-47156/11	0.08	0.148977	4.8	885173.0	1.862212	Y
4	IC 140-47156/12	0.16	0.298661	4.8	890262.0	1.86663	Y
5	IC 140-47156/13	0.4	0.740341	4.8	868458.0	1.850853	Y
6	IC 140-47156/14	1.0	1.880243	4.8	852020.0	1.880243	Y
7	ICIS 140-47156/15	2.0	3.80872	4.8	855224.0	1.90436	Y
8	IC 140-47156/7	4.0	7.348111	4.8	879848.0	1.837028	Y
9	IC 140-47156/5	8.0	13.986809	4.8	885254.0	1.748351	Y
10	IC 140-47156/3	16.0	26.340844	4.8	871503.0	1.646303	Y



Calibration / 4-Bromofluorobenzene (Surr)

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

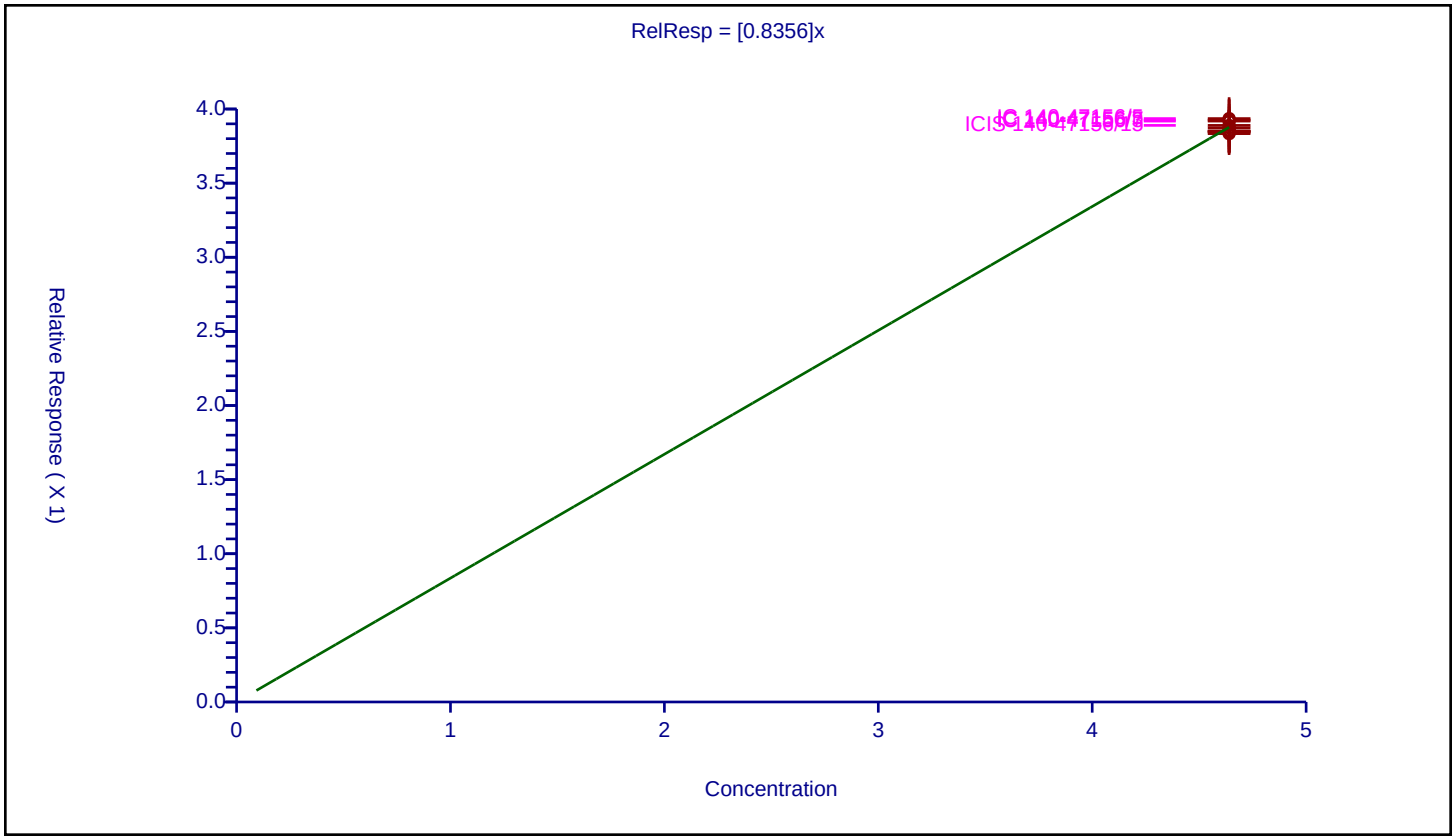
Curve Coefficients

Intercept:	0
Slope:	0.8356

Error Coefficients

Standard Error:	745000
Relative Standard Error:	1.0
Correlation Coefficient:	0.00000000000000000000
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/3	4.64	3.918582	4.8	871503.0	0.844522	Y
2	IC 140-47156/5	4.64	3.935527	4.8	885254.0	0.848174	Y
3	IC 140-47156/7	4.64	3.925409	4.8	879848.0	0.845993	Y
4	IC 140-47156/9	4.64	3.850392	4.8	886633.0	0.829826	Y
5	IC 140-47156/10	4.64	3.872692	4.8	871628.0	0.834632	Y
6	IC 140-47156/11	4.64	3.842774	4.8	885173.0	0.828184	Y
7	IC 140-47156/12	4.64	3.833764	4.8	890262.0	0.826242	Y
8	IC 140-47156/13	4.64	3.851334	4.8	868458.0	0.830029	Y
9	IC 140-47156/14	4.64	3.849893	4.8	852020.0	0.829718	Y
10	ICIS 140-47156/15	4.64	3.889575	4.8	855224.0	0.83827	Y



Calibration / N-Propylbenzene

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

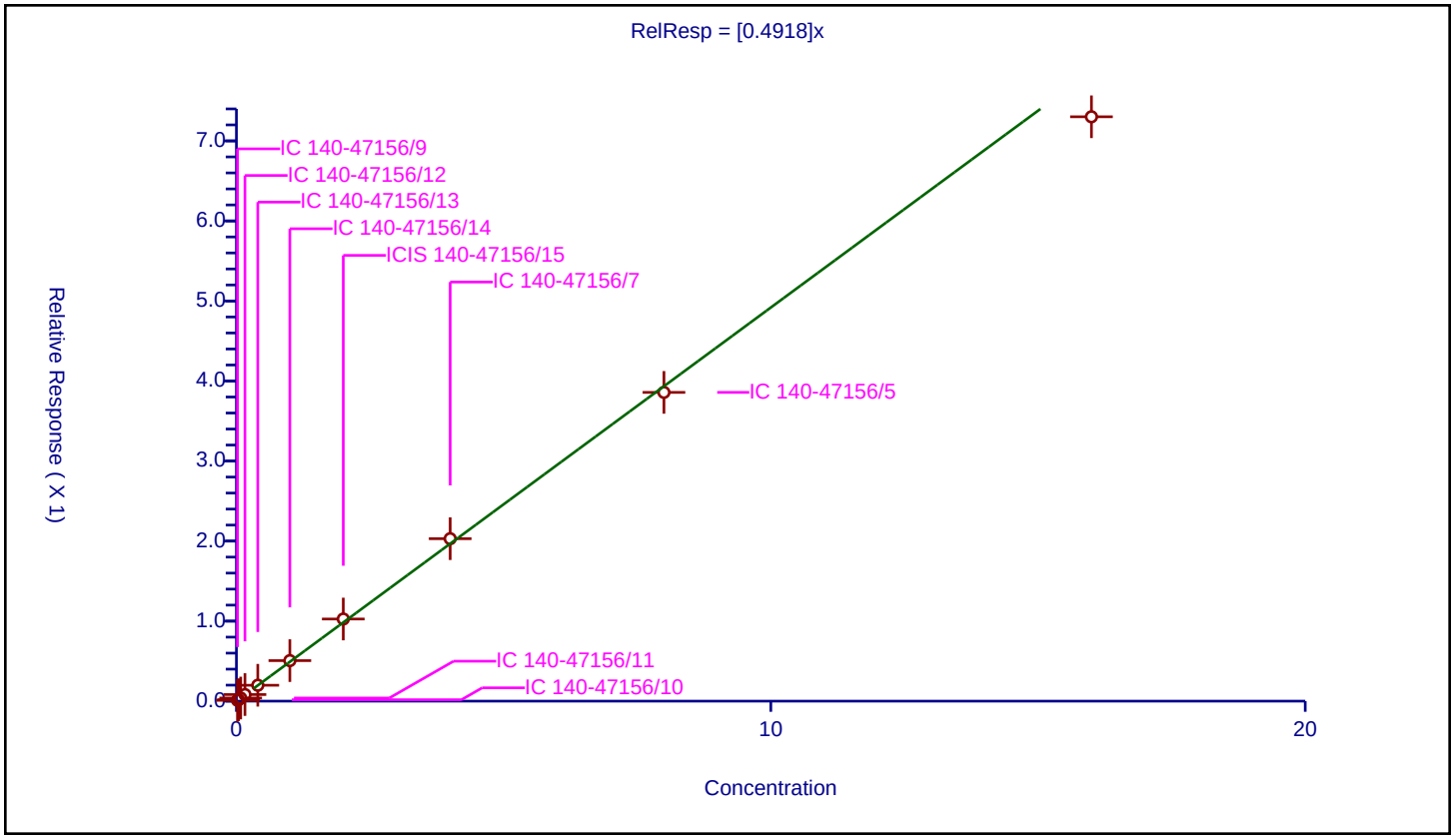
Curve Coefficients

Intercept:	0
Slope:	0.4918

Error Coefficients

Standard Error:	521000
Relative Standard Error:	5.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.010243	4.8	886633.0	0.51214	Y
2	IC 140-47156/10	0.04	0.017809	4.8	871628.0	0.445236	Y
3	IC 140-47156/11	0.08	0.038778	4.8	885173.0	0.484719	Y
4	IC 140-47156/12	0.16	0.082282	4.8	890262.0	0.514264	Y
5	IC 140-47156/13	0.4	0.198459	4.8	868458.0	0.496148	Y
6	IC 140-47156/14	1.0	0.506405	4.8	852020.0	0.506405	Y
7	ICIS 140-47156/15	2.0	1.026302	4.8	855224.0	0.513151	Y
8	IC 140-47156/7	4.0	2.029796	4.8	879848.0	0.507449	Y
9	IC 140-47156/5	8.0	3.857827	4.8	885254.0	0.482228	Y
10	IC 140-47156/3	16.0	7.301367	4.8	871503.0	0.456335	Y



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

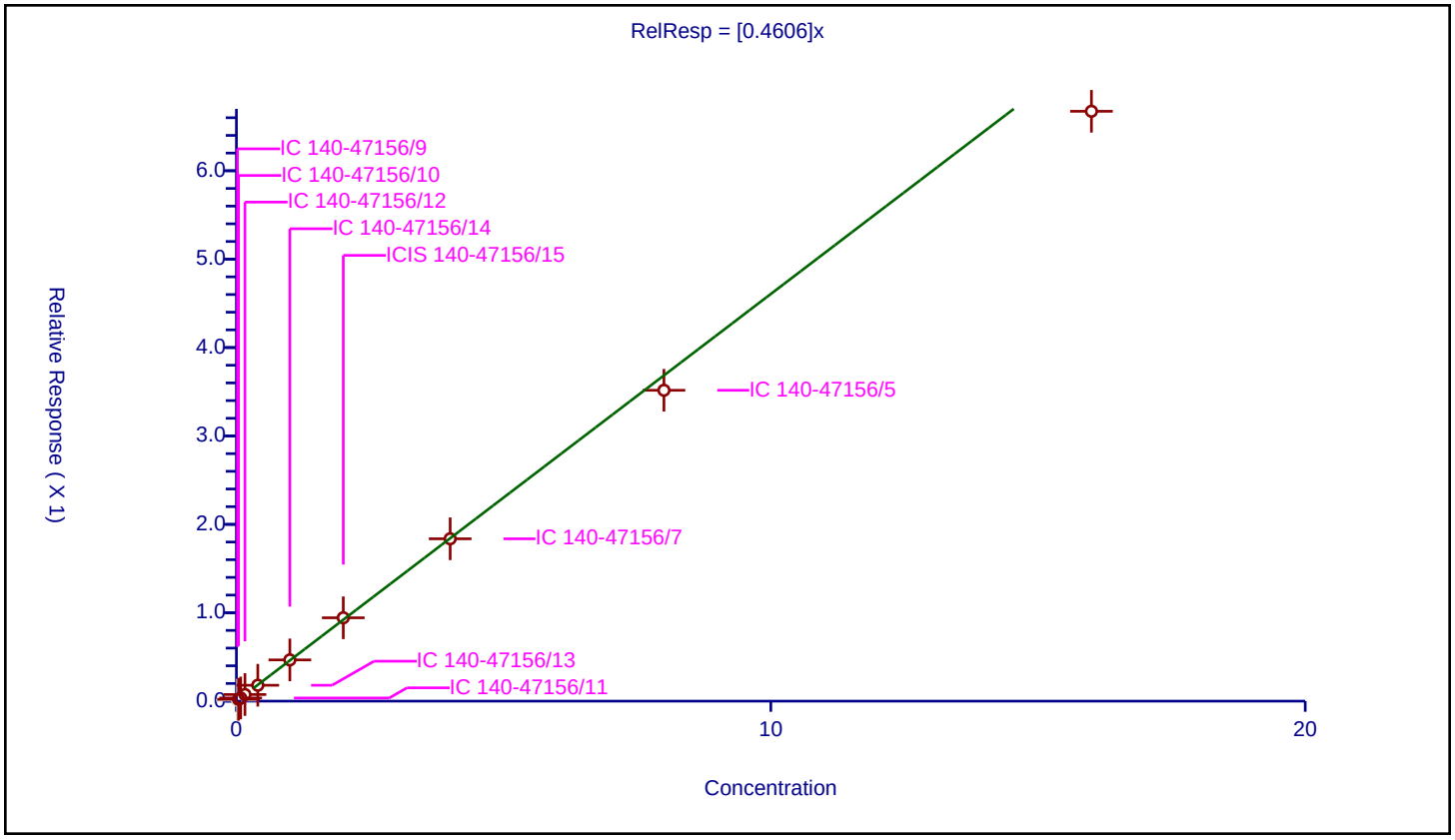
Curve Coefficients

Intercept:	0
Slope:	0.4606

Error Coefficients

Standard Error:	505000
Relative Standard Error:	6.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.01164	4.8	886633.0	0.581977	N
2	IC 140-47156/10	0.04	0.021092	4.8	871628.0	0.527289	Y
3	IC 140-47156/11	0.08	0.03579	4.8	885173.0	0.44737	Y
4	IC 140-47156/12	0.16	0.074788	4.8	890262.0	0.467424	Y
5	IC 140-47156/13	0.4	0.17975	4.8	868458.0	0.449376	Y
6	IC 140-47156/14	1.0	0.466552	4.8	852020.0	0.466552	Y
7	ICIS 140-47156/15	2.0	0.943006	4.8	855224.0	0.471503	Y
8	IC 140-47156/7	4.0	1.836683	4.8	879848.0	0.459171	Y
9	IC 140-47156/5	8.0	3.516588	4.8	885254.0	0.439574	Y
10	IC 140-47156/3	16.0	6.672957	4.8	871503.0	0.41706	Y



Calibration / 4-Ethyltoluene

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

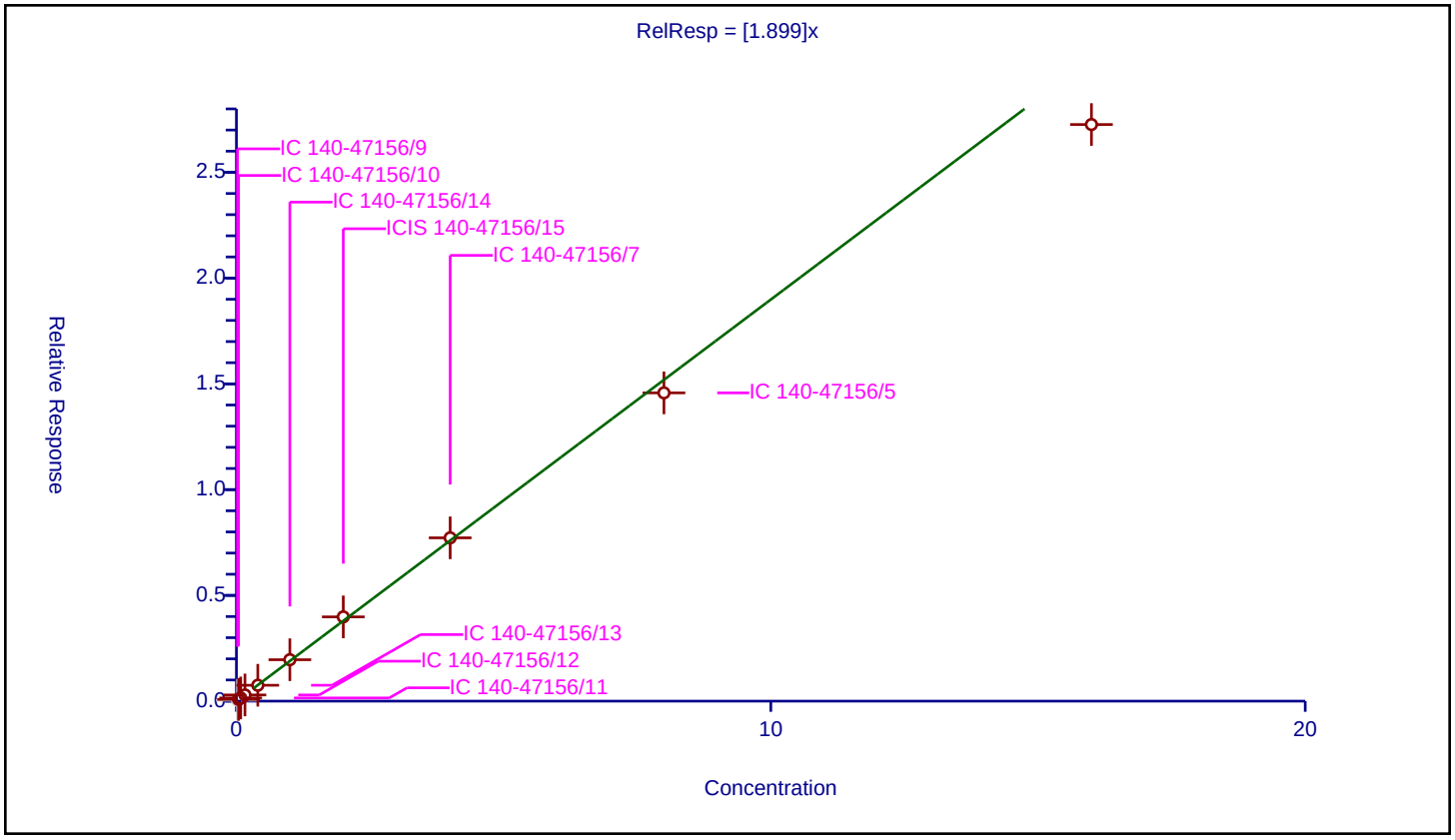
Curve Coefficients

Intercept:	0
Slope:	1.899

Error Coefficients

Standard Error:	2070000
Relative Standard Error:	5.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.047641	4.8	886633.0	2.382045	N
2	IC 140-47156/10	0.04	0.083766	4.8	871628.0	2.09415	Y
3	IC 140-47156/11	0.08	0.150392	4.8	885173.0	1.879904	Y
4	IC 140-47156/12	0.16	0.292967	4.8	890262.0	1.831045	Y
5	IC 140-47156/13	0.4	0.750682	4.8	868458.0	1.876706	Y
6	IC 140-47156/14	1.0	1.958703	4.8	852020.0	1.958703	Y
7	ICIS 140-47156/15	2.0	3.982867	4.8	855224.0	1.991433	Y
8	IC 140-47156/7	4.0	7.721277	4.8	879848.0	1.930319	Y
9	IC 140-47156/5	8.0	14.573938	4.8	885254.0	1.821742	Y
10	IC 140-47156/3	16.0	27.260915	4.8	871503.0	1.703807	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

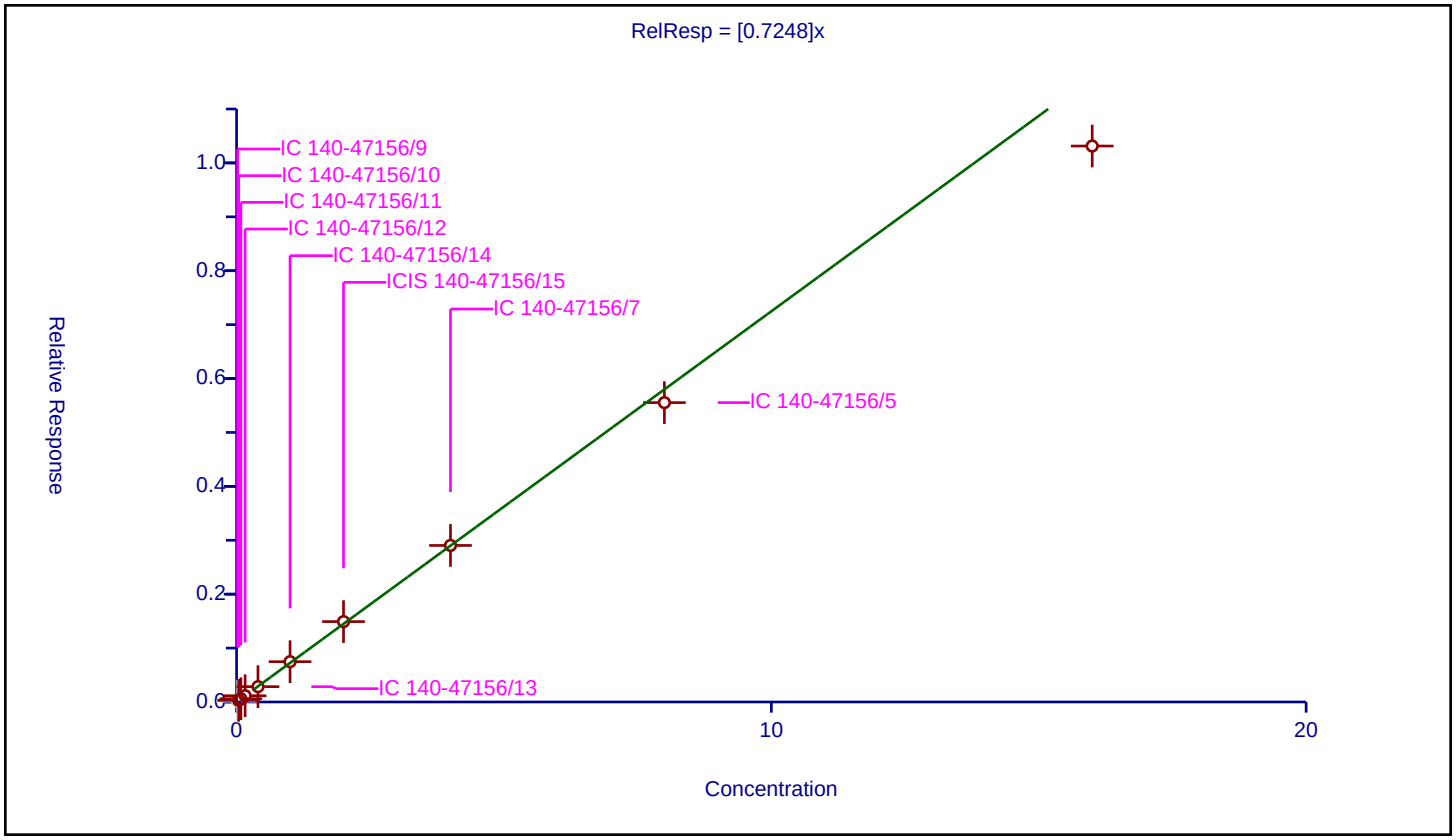
Curve Coefficients

Intercept:	0
Slope:	0.7248

Error Coefficients

Standard Error:	785000
Relative Standard Error:	5.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.016198	4.8	886633.0	0.809895	N
2	IC 140-47156/10	0.04	0.030966	4.8	871628.0	0.774138	Y
3	IC 140-47156/11	0.08	0.060446	4.8	885173.0	0.755581	Y
4	IC 140-47156/12	0.16	0.11604	4.8	890262.0	0.725247	Y
5	IC 140-47156/13	0.4	0.284018	4.8	868458.0	0.710045	Y
6	IC 140-47156/14	1.0	0.747644	4.8	852020.0	0.747644	Y
7	ICIS 140-47156/15	2.0	1.491	4.8	855224.0	0.7455	Y
8	IC 140-47156/7	4.0	2.904098	4.8	879848.0	0.726024	Y
9	IC 140-47156/5	8.0	5.553552	4.8	885254.0	0.694194	Y
10	IC 140-47156/3	16.0	10.313256	4.8	871503.0	0.644579	Y



Calibration / Alpha Methyl Styrene

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

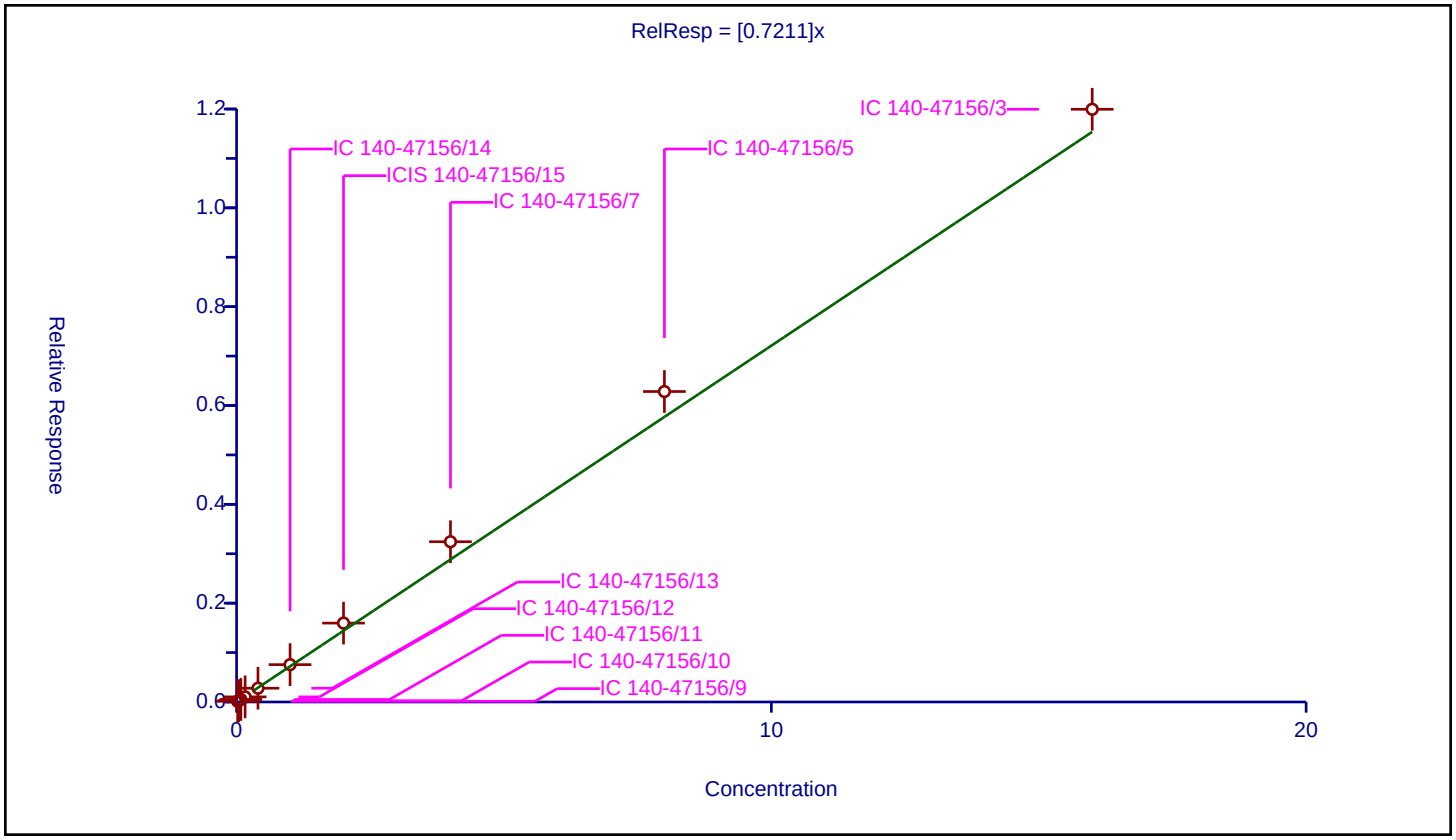
Curve Coefficients

Intercept:	0
Slope:	0.7211

Error Coefficients

Standard Error:	852000
Relative Standard Error:	9.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.013578	4.8	886633.0	0.678883	Y
2	IC 140-47156/10	0.04	0.025965	4.8	871628.0	0.64913	Y
3	IC 140-47156/11	0.08	0.051217	4.8	885173.0	0.640214	Y
4	IC 140-47156/12	0.16	0.103331	4.8	890262.0	0.645821	Y
5	IC 140-47156/13	0.4	0.278778	4.8	868458.0	0.696946	Y
6	IC 140-47156/14	1.0	0.755554	4.8	852020.0	0.755554	Y
7	ICIS 140-47156/15	2.0	1.596752	4.8	855224.0	0.798376	Y
8	IC 140-47156/7	4.0	3.243037	4.8	879848.0	0.810759	Y
9	IC 140-47156/5	8.0	6.283046	4.8	885254.0	0.785381	Y
10	IC 140-47156/3	16.0	11.994517	4.8	871503.0	0.749657	Y



Calibration / n-Decane

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

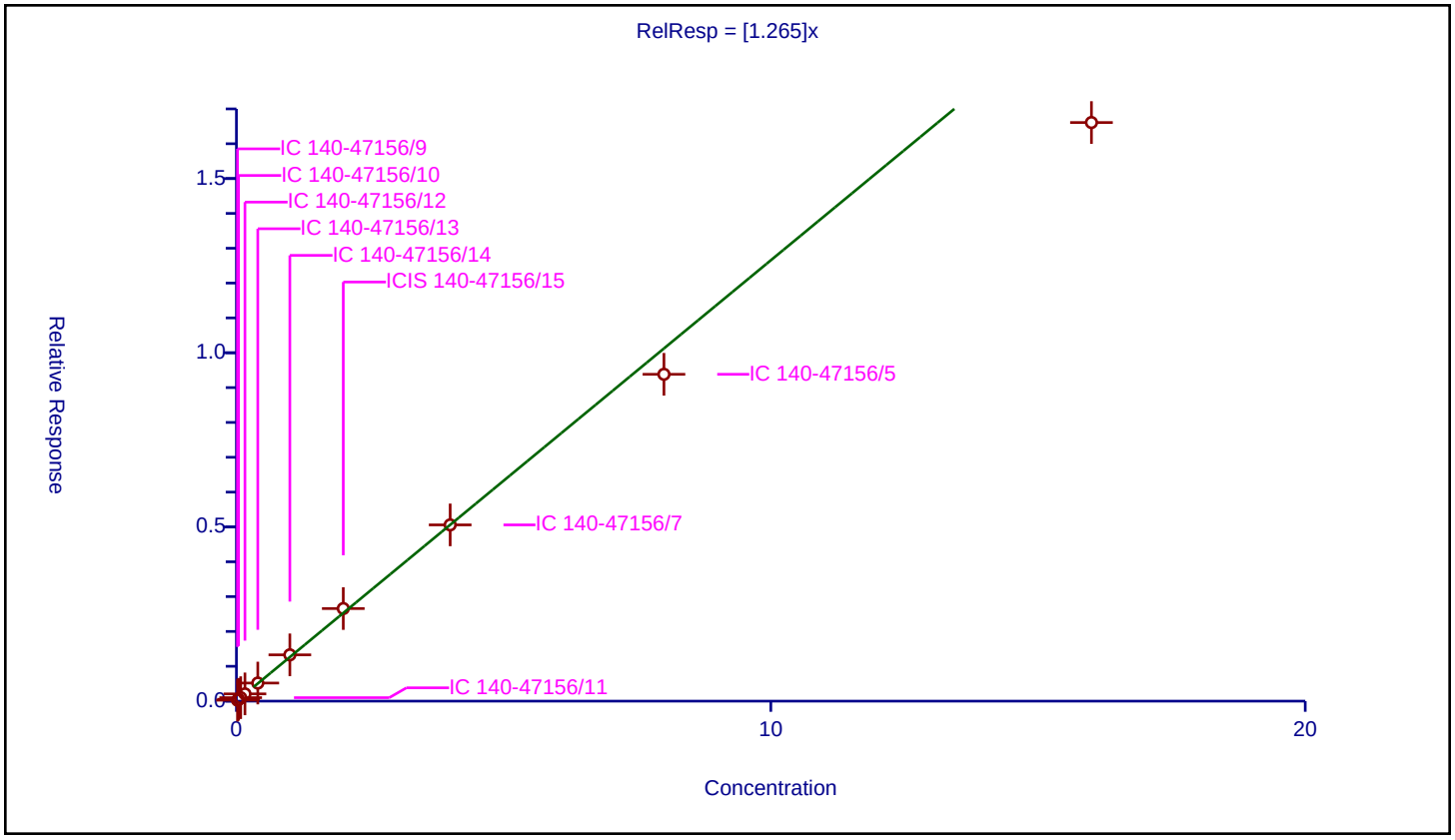
Curve Coefficients

Intercept:	0
Slope:	1.265

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	7.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.027052	4.8	886633.0	1.352623	Y
2	IC 140-47156/10	0.04	0.05269	4.8	871628.0	1.317259	Y
3	IC 140-47156/11	0.08	0.099924	4.8	885173.0	1.249044	Y
4	IC 140-47156/12	0.16	0.208571	4.8	890262.0	1.303571	Y
5	IC 140-47156/13	0.4	0.51926	4.8	868458.0	1.298149	Y
6	IC 140-47156/14	1.0	1.329197	4.8	852020.0	1.329197	Y
7	ICIS 140-47156/15	2.0	2.657443	4.8	855224.0	1.328721	Y
8	IC 140-47156/7	4.0	5.059136	4.8	879848.0	1.264784	Y
9	IC 140-47156/5	8.0	9.381931	4.8	885254.0	1.172741	Y
10	IC 140-47156/3	16.0	16.608565	4.8	871503.0	1.038035	Y



Calibration / tert-Butylbenzene

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

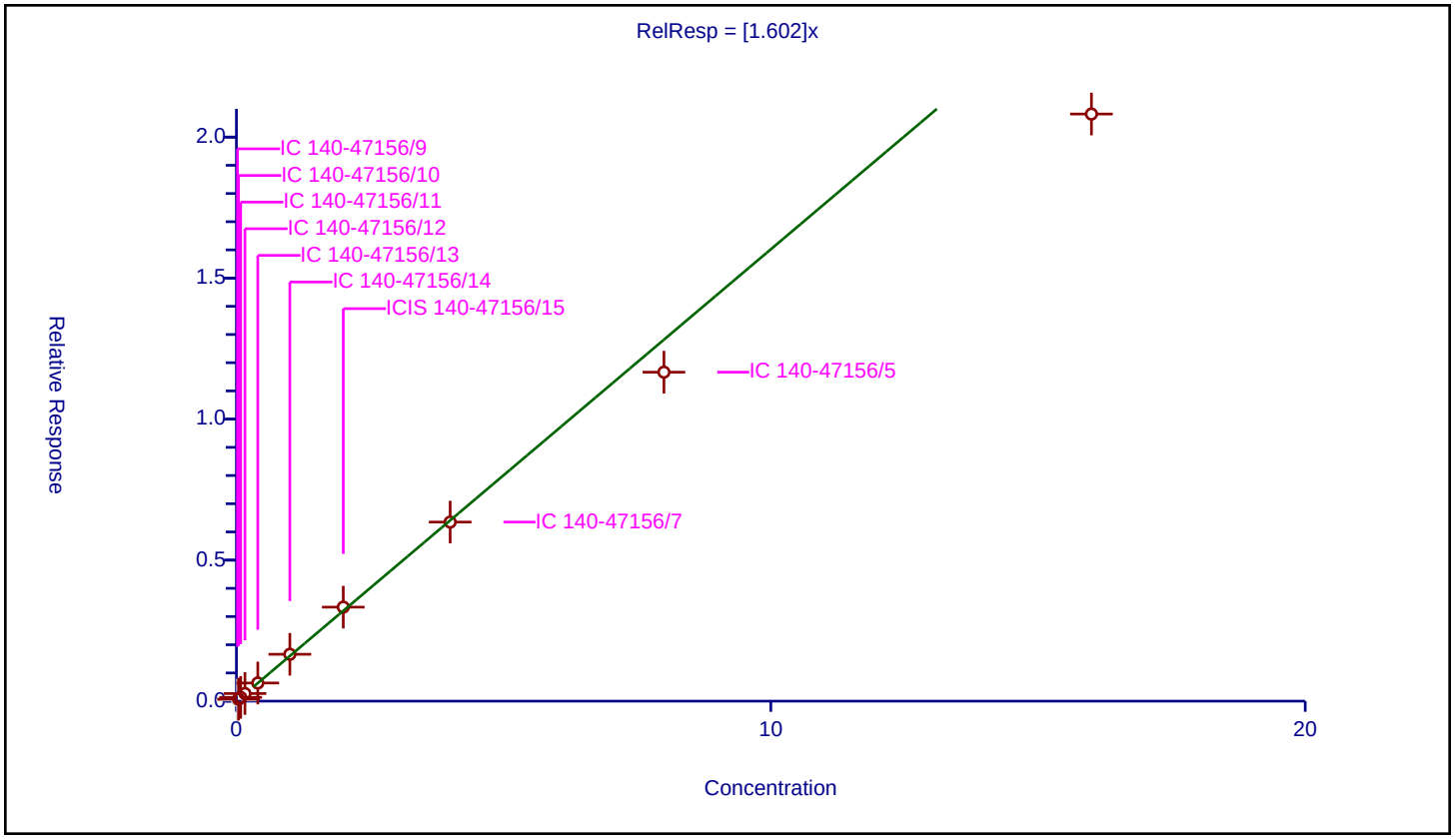
Curve Coefficients

Intercept:	0
Slope:	1.602

Error Coefficients

Standard Error:	1610000
Relative Standard Error:	9.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.039174	4.8	886633.0	1.958691	N
2	IC 140-47156/10	0.04	0.071755	4.8	871628.0	1.793885	Y
3	IC 140-47156/11	0.08	0.132579	4.8	885173.0	1.657235	Y
4	IC 140-47156/12	0.16	0.269616	4.8	890262.0	1.685099	Y
5	IC 140-47156/13	0.4	0.643496	4.8	868458.0	1.608741	Y
6	IC 140-47156/14	1.0	1.661234	4.8	852020.0	1.661234	Y
7	ICIS 140-47156/15	2.0	3.332848	4.8	855224.0	1.666424	Y
8	IC 140-47156/7	4.0	6.349479	4.8	879848.0	1.58737	Y
9	IC 140-47156/5	8.0	11.6651	4.8	885254.0	1.458137	Y
10	IC 140-47156/3	16.0	20.817388	4.8	871503.0	1.301087	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

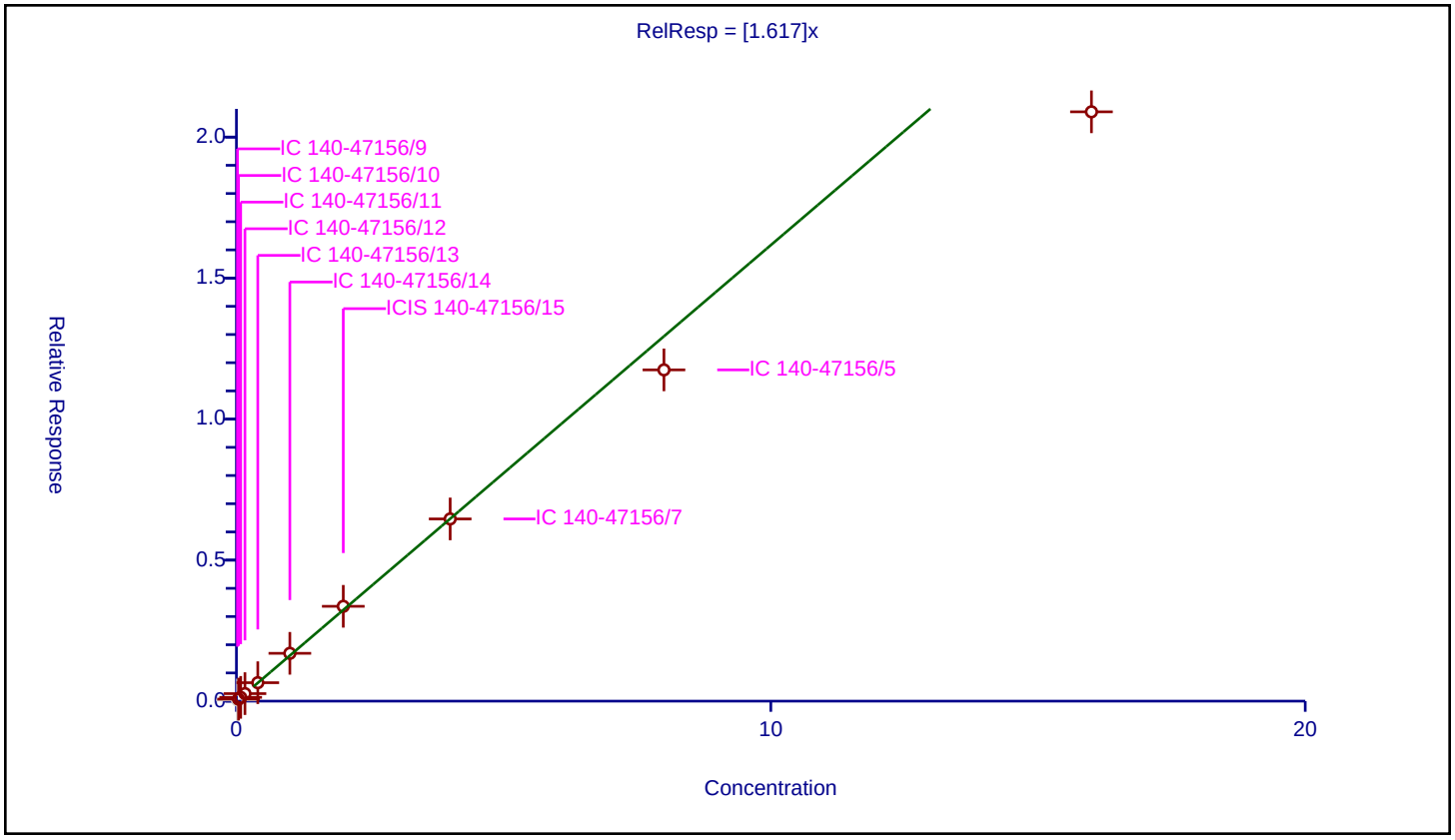
Curve Coefficients

Intercept:	0
Slope:	1.617

Error Coefficients

Standard Error:	1620000
Relative Standard Error:	9.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.042195	4.8	886633.0	2.109734	N
2	IC 140-47156/10	0.04	0.072339	4.8	871628.0	1.808478	Y
3	IC 140-47156/11	0.08	0.133918	4.8	885173.0	1.673978	Y
4	IC 140-47156/12	0.16	0.26699	4.8	890262.0	1.668689	Y
5	IC 140-47156/13	0.4	0.654169	4.8	868458.0	1.635423	Y
6	IC 140-47156/14	1.0	1.695211	4.8	852020.0	1.695211	Y
7	ICIS 140-47156/15	2.0	3.362835	4.8	855224.0	1.681418	Y
8	IC 140-47156/7	4.0	6.461403	4.8	879848.0	1.615351	Y
9	IC 140-47156/5	8.0	11.74583	4.8	885254.0	1.468229	Y
10	IC 140-47156/3	16.0	20.895713	4.8	871503.0	1.305982	Y



Calibration / sec-Butylbenzene

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

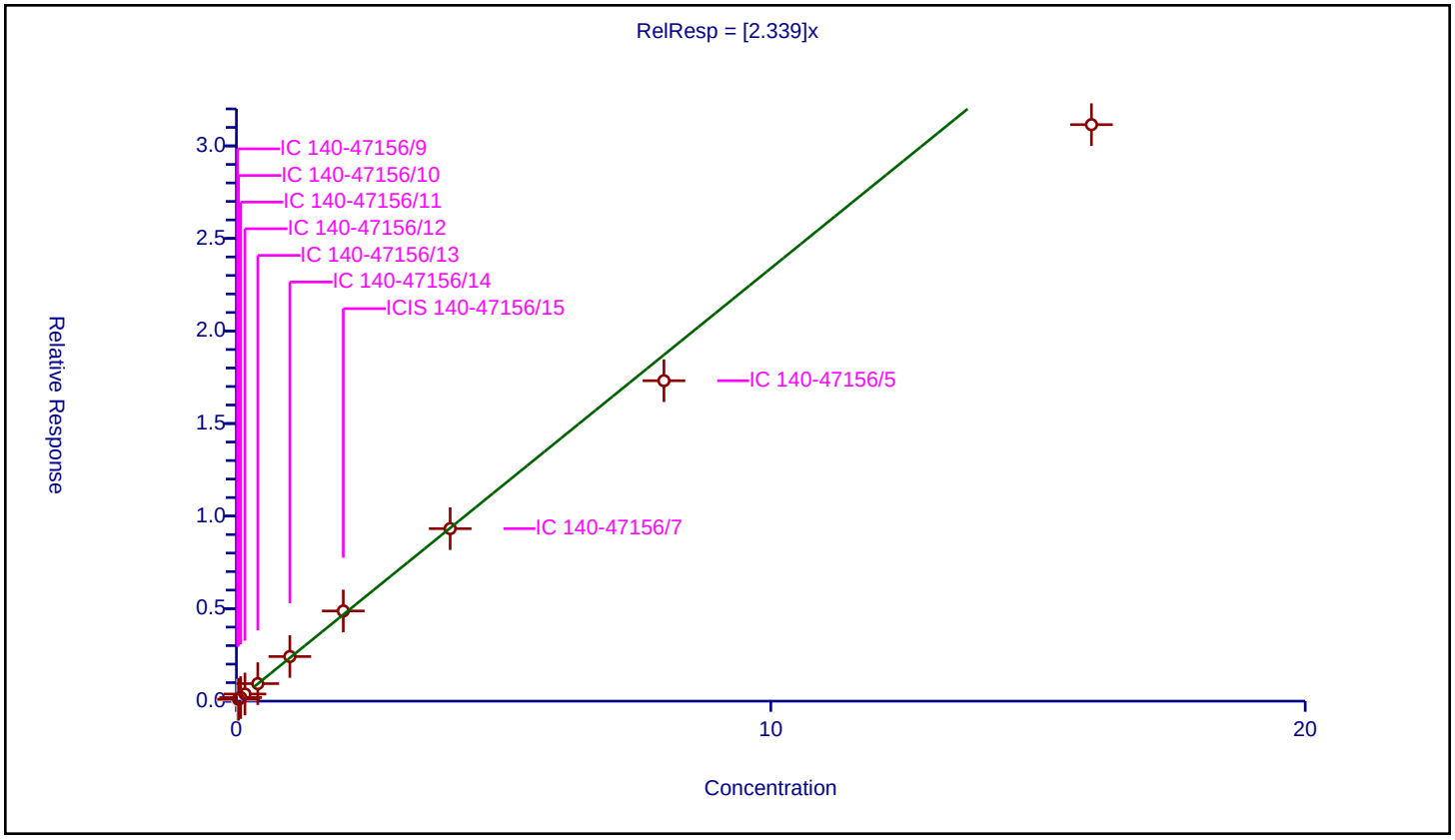
Curve Coefficients

Intercept:	0
Slope:	2.339

Error Coefficients

Standard Error:	2400000
Relative Standard Error:	7.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.057369	4.8	886633.0	2.86847	N
2	IC 140-47156/10	0.04	0.102633	4.8	871628.0	2.565819	Y
3	IC 140-47156/11	0.08	0.193931	4.8	885173.0	2.424136	Y
4	IC 140-47156/12	0.16	0.384836	4.8	890262.0	2.405225	Y
5	IC 140-47156/13	0.4	0.945615	4.8	868458.0	2.364038	Y
6	IC 140-47156/14	1.0	2.410952	4.8	852020.0	2.410952	Y
7	ICIS 140-47156/15	2.0	4.871324	4.8	855224.0	2.435662	Y
8	IC 140-47156/7	4.0	9.321388	4.8	879848.0	2.330347	Y
9	IC 140-47156/5	8.0	17.31419	4.8	885254.0	2.164274	Y
10	IC 140-47156/3	16.0	31.147834	4.8	871503.0	1.94674	Y



Calibration / 1,3-Dichlorobenzene

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

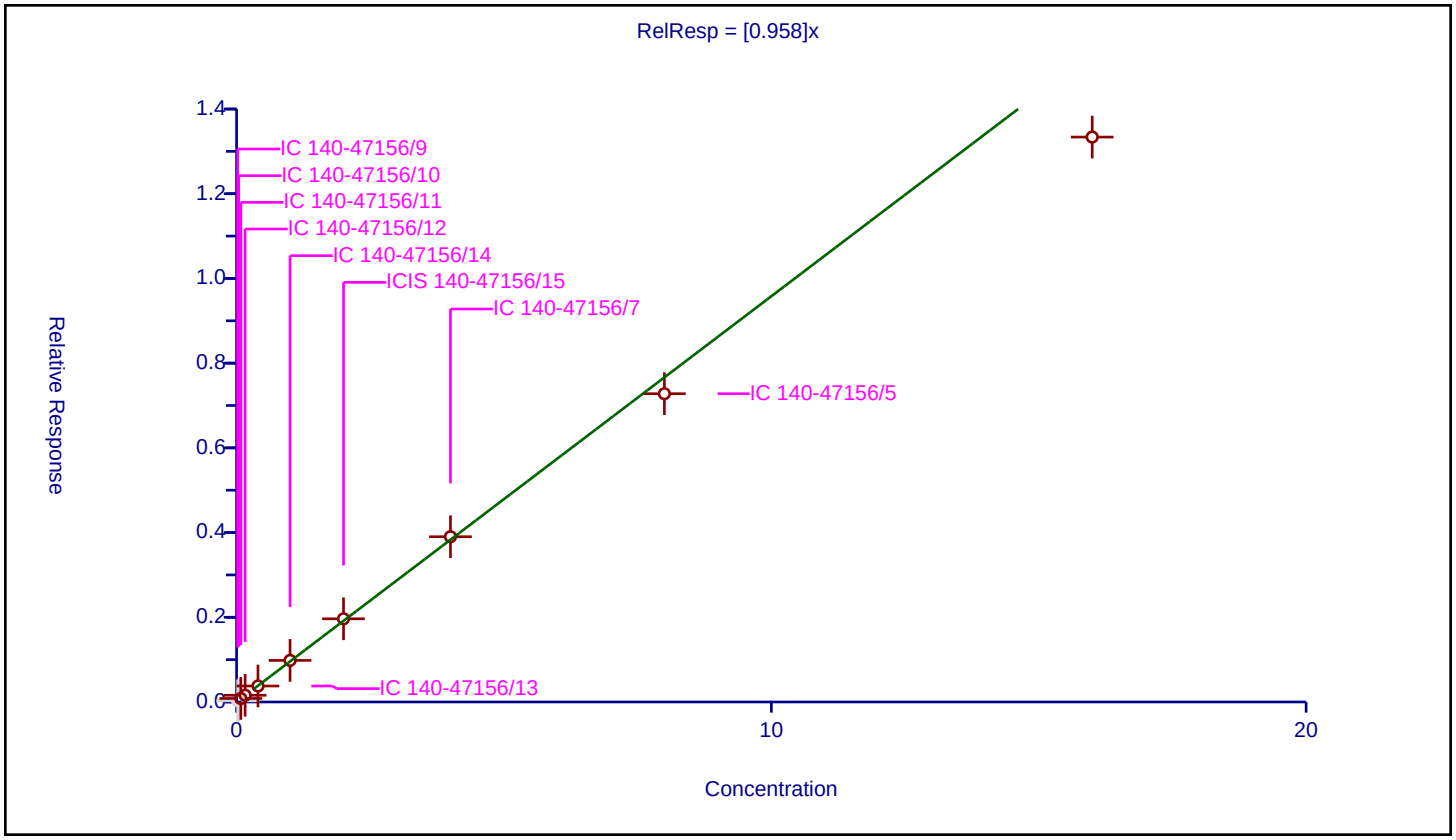
Curve Coefficients

Intercept:	0
Slope:	0.958

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	6.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.027475	4.8	886633.0	1.373736	N
2	IC 140-47156/10	0.04	0.047123	4.8	871628.0	1.178071	N
3	IC 140-47156/11	0.08	0.083536	4.8	885173.0	1.044203	Y
4	IC 140-47156/12	0.16	0.158952	4.8	890262.0	0.993449	Y
5	IC 140-47156/13	0.4	0.377253	4.8	868458.0	0.943134	Y
6	IC 140-47156/14	1.0	0.981904	4.8	852020.0	0.981904	Y
7	ICIS 140-47156/15	2.0	1.964207	4.8	855224.0	0.982103	Y
8	IC 140-47156/7	4.0	3.90219	4.8	879848.0	0.975548	Y
9	IC 140-47156/5	8.0	7.278253	4.8	885254.0	0.909782	Y
10	IC 140-47156/3	16.0	13.33773	4.8	871503.0	0.833608	Y



Calibration / Benzyl chloride

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

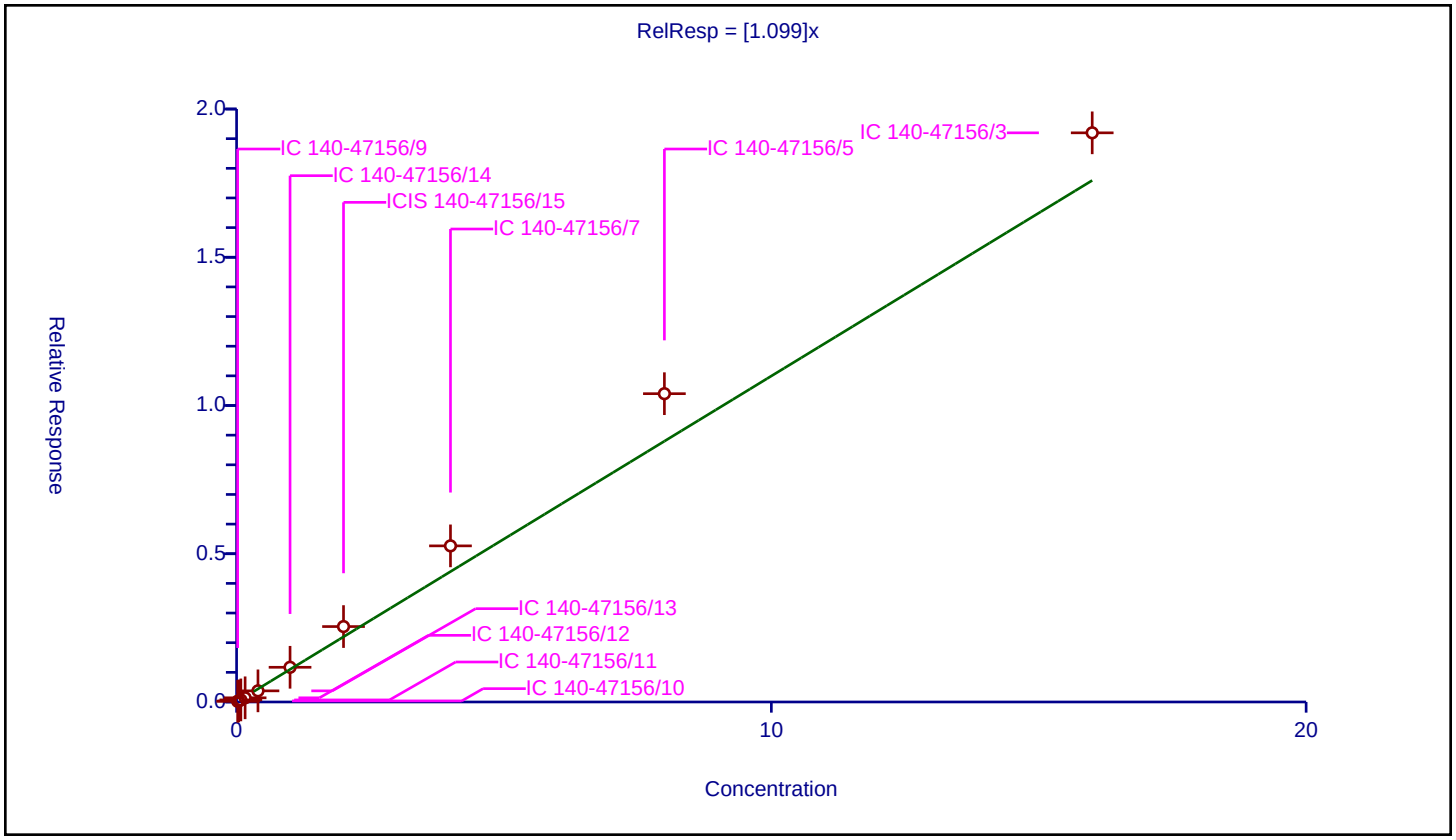
Curve Coefficients

Intercept:	0
Slope:	1.099

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	16.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.022597	4.8	886633.0	1.129847	Y
2	IC 140-47156/10	0.04	0.036588	4.8	871628.0	0.914702	Y
3	IC 140-47156/11	0.08	0.069963	4.8	885173.0	0.874541	Y
4	IC 140-47156/12	0.16	0.140696	4.8	890262.0	0.879348	Y
5	IC 140-47156/13	0.4	0.375164	4.8	868458.0	0.937911	Y
6	IC 140-47156/14	1.0	1.170192	4.8	852020.0	1.170192	Y
7	ICIS 140-47156/15	2.0	2.543687	4.8	855224.0	1.271844	Y
8	IC 140-47156/7	4.0	5.265506	4.8	879848.0	1.316376	Y
9	IC 140-47156/5	8.0	10.398697	4.8	885254.0	1.299837	Y
10	IC 140-47156/3	16.0	19.197219	4.8	871503.0	1.199826	Y



Calibration / 1,4-Dichlorobenzene

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

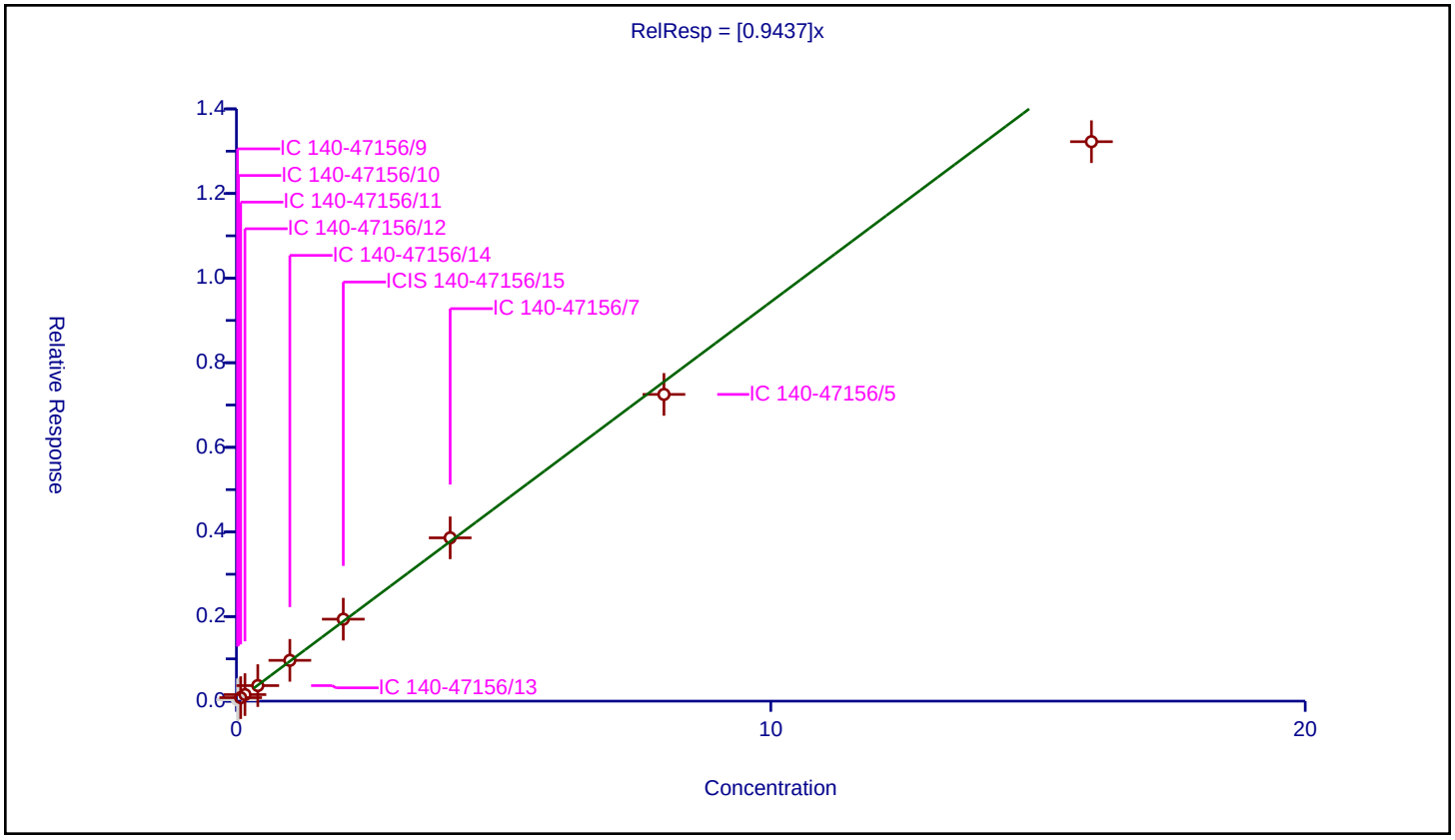
Curve Coefficients

Intercept:	0
Slope:	0.9437

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	6.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.030371	4.8	886633.0	1.518554	N
2	IC 140-47156/10	0.04	0.048301	4.8	871628.0	1.207533	N
3	IC 140-47156/11	0.08	0.082587	4.8	885173.0	1.032341	Y
4	IC 140-47156/12	0.16	0.15486	4.8	890262.0	0.967872	Y
5	IC 140-47156/13	0.4	0.367454	4.8	868458.0	0.918635	Y
6	IC 140-47156/14	1.0	0.964124	4.8	852020.0	0.964124	Y
7	ICIS 140-47156/15	2.0	1.937513	4.8	855224.0	0.968757	Y
8	IC 140-47156/7	4.0	3.860347	4.8	879848.0	0.965087	Y
9	IC 140-47156/5	8.0	7.251044	4.8	885254.0	0.906381	Y
10	IC 140-47156/3	16.0	13.225241	4.8	871503.0	0.826578	Y



Calibration / 4-Isopropyltoluene

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

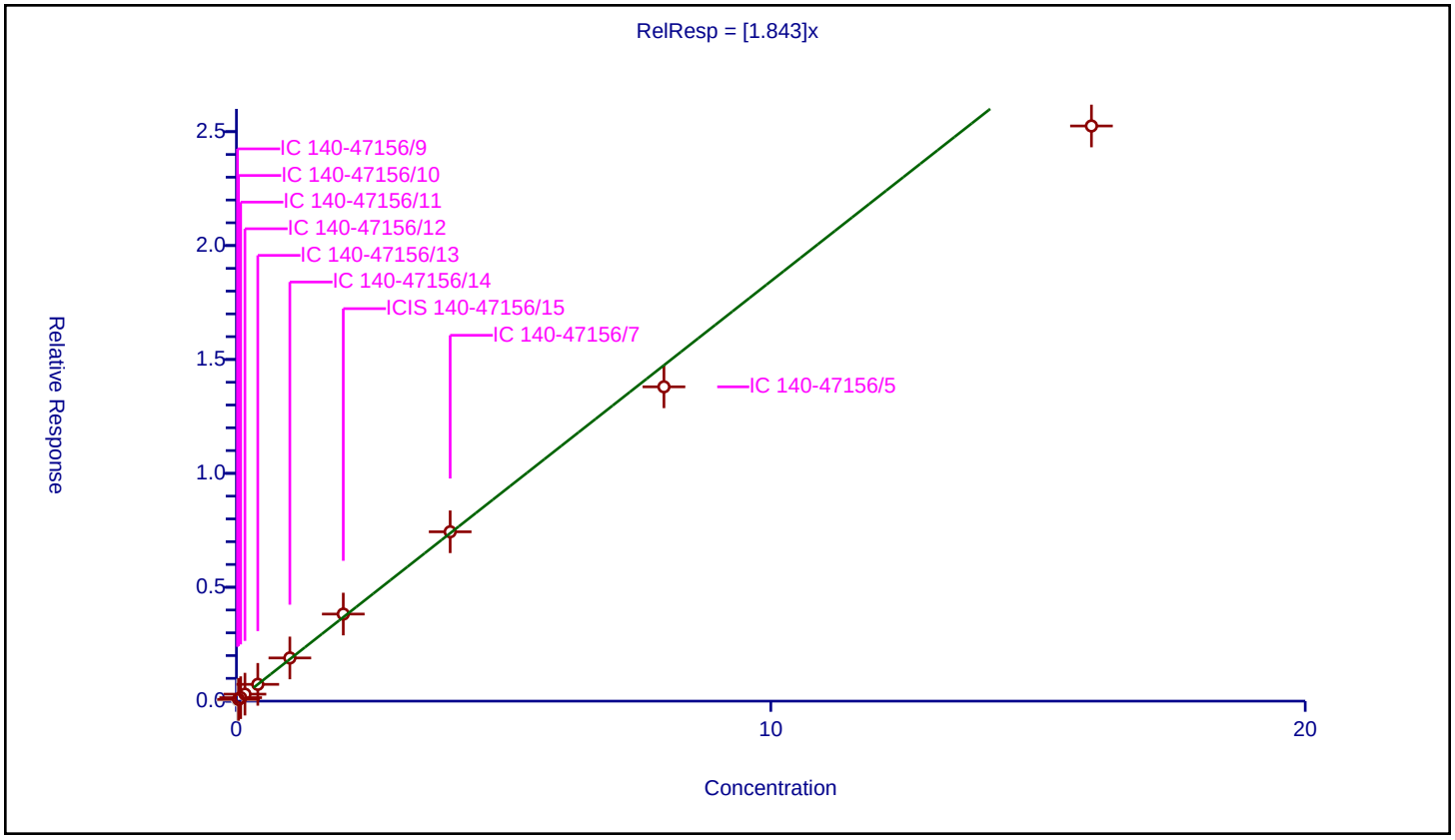
Curve Coefficients

Intercept:	0
Slope:	1.843

Error Coefficients

Standard Error:	1930000
Relative Standard Error:	6.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.046407	4.8	886633.0	2.320329	N
2	IC 140-47156/10	0.04	0.078105	4.8	871628.0	1.952622	Y
3	IC 140-47156/11	0.08	0.152675	4.8	885173.0	1.90844	Y
4	IC 140-47156/12	0.16	0.306398	4.8	890262.0	1.914987	Y
5	IC 140-47156/13	0.4	0.737533	4.8	868458.0	1.843834	Y
6	IC 140-47156/14	1.0	1.896136	4.8	852020.0	1.896136	Y
7	ICIS 140-47156/15	2.0	3.823032	4.8	855224.0	1.911516	Y
8	IC 140-47156/7	4.0	7.434482	4.8	879848.0	1.858621	Y
9	IC 140-47156/5	8.0	13.798795	4.8	885254.0	1.724849	Y
10	IC 140-47156/3	16.0	25.250931	4.8	871503.0	1.578183	Y



Calibration / 1,2,3-Trimethylbenzene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

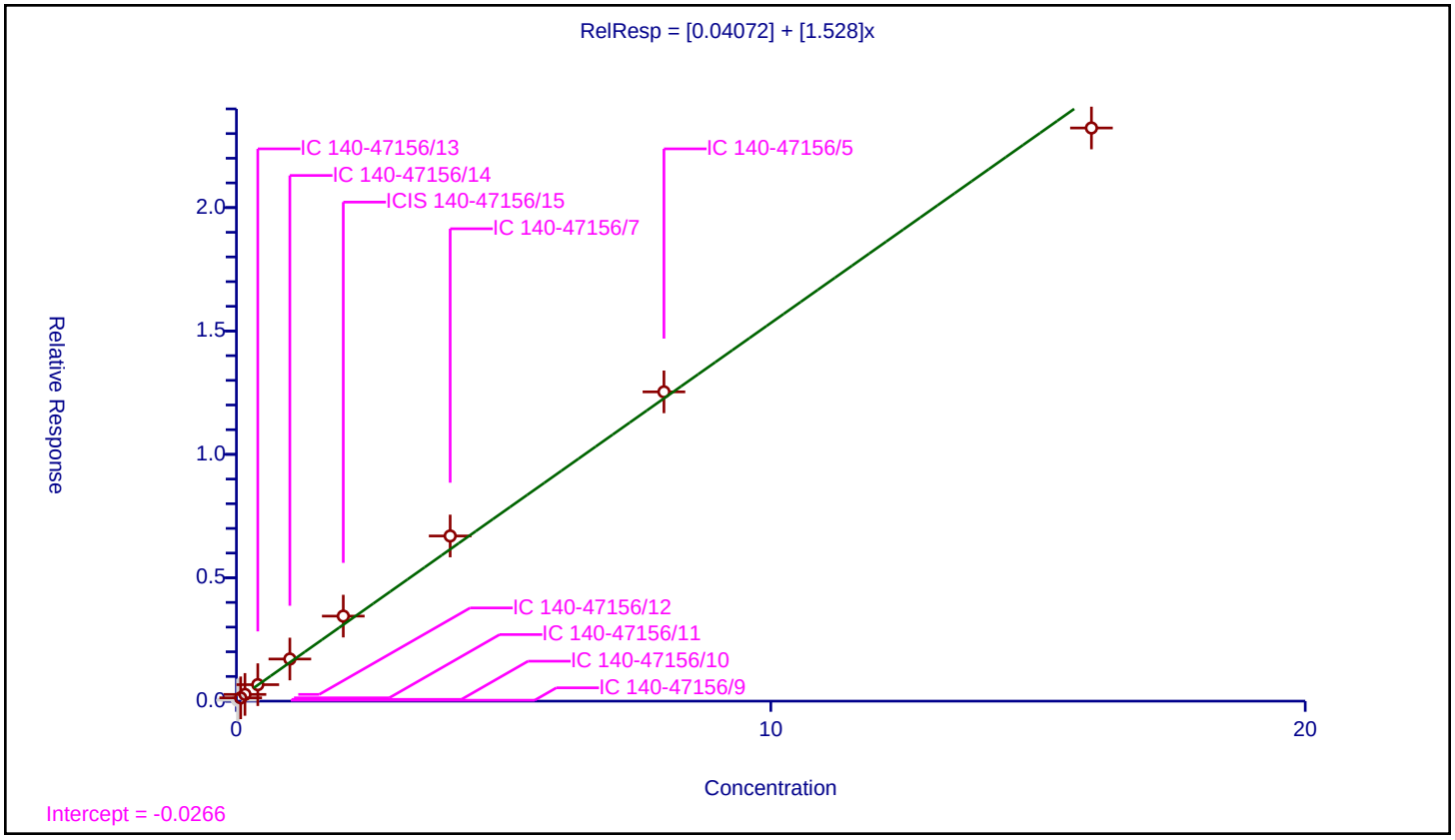
Curve Coefficients

Intercept:	0.04072
Slope:	1.528

Error Coefficients

Standard Error:	2050000
Relative Standard Error:	12.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.03684	4.8	886633.0	1.842025	N
2	IC 140-47156/10	0.04	0.072306	4.8	871628.0	1.807652	N
3	IC 140-47156/11	0.08	0.134016	4.8	885173.0	1.675198	Y
4	IC 140-47156/12	0.16	0.27263	4.8	890262.0	1.703937	Y
5	IC 140-47156/13	0.4	0.667843	4.8	868458.0	1.669608	Y
6	IC 140-47156/14	1.0	1.707047	4.8	852020.0	1.707047	Y
7	ICIS 140-47156/15	2.0	3.445464	4.8	855224.0	1.722732	Y
8	IC 140-47156/7	4.0	6.6936	4.8	879848.0	1.6734	Y
9	IC 140-47156/5	8.0	12.532994	4.8	885254.0	1.566624	Y
10	IC 140-47156/3	16.0	23.22628	4.8	871503.0	1.451643	Y



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

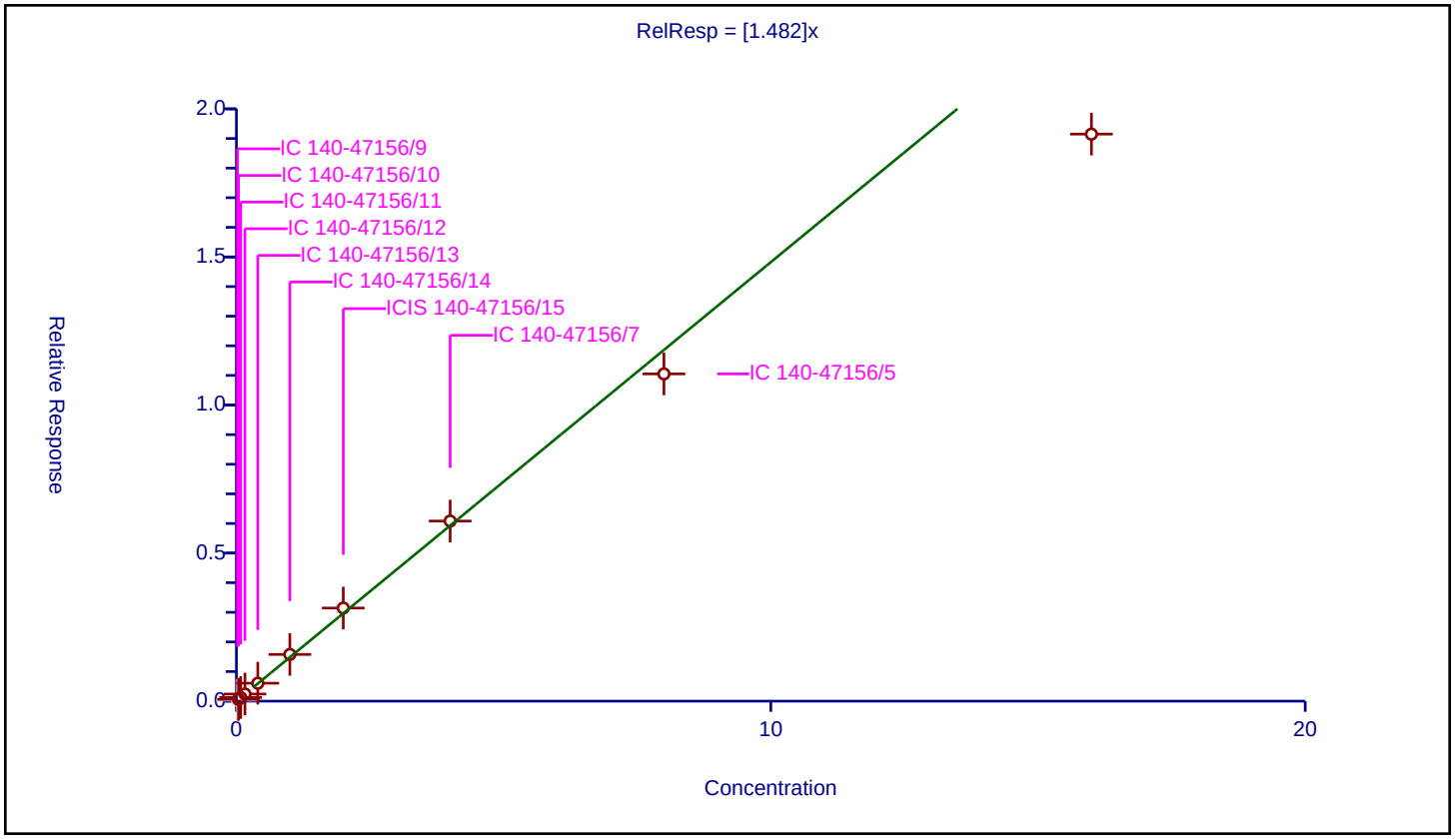
Curve Coefficients

Intercept:	0
Slope:	1.482

Error Coefficients

Standard Error:	1500000
Relative Standard Error:	8.2
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.034924	4.8	886633.0	1.746202	N
2	IC 140-47156/10	0.04	0.061744	4.8	871628.0	1.543594	Y
3	IC 140-47156/11	0.08	0.122444	4.8	885173.0	1.530548	Y
4	IC 140-47156/12	0.16	0.240884	4.8	890262.0	1.505523	Y
5	IC 140-47156/13	0.4	0.606029	4.8	868458.0	1.515072	Y
6	IC 140-47156/14	1.0	1.577264	4.8	852020.0	1.577264	Y
7	ICIS 140-47156/15	2.0	3.143906	4.8	855224.0	1.571953	Y
8	IC 140-47156/7	4.0	6.081854	4.8	879848.0	1.520464	Y
9	IC 140-47156/5	8.0	11.050496	4.8	885254.0	1.381312	Y
10	IC 140-47156/3	16.0	19.147792	4.8	871503.0	1.196737	Y



Calibration / 1,2-Dichlorobenzene

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

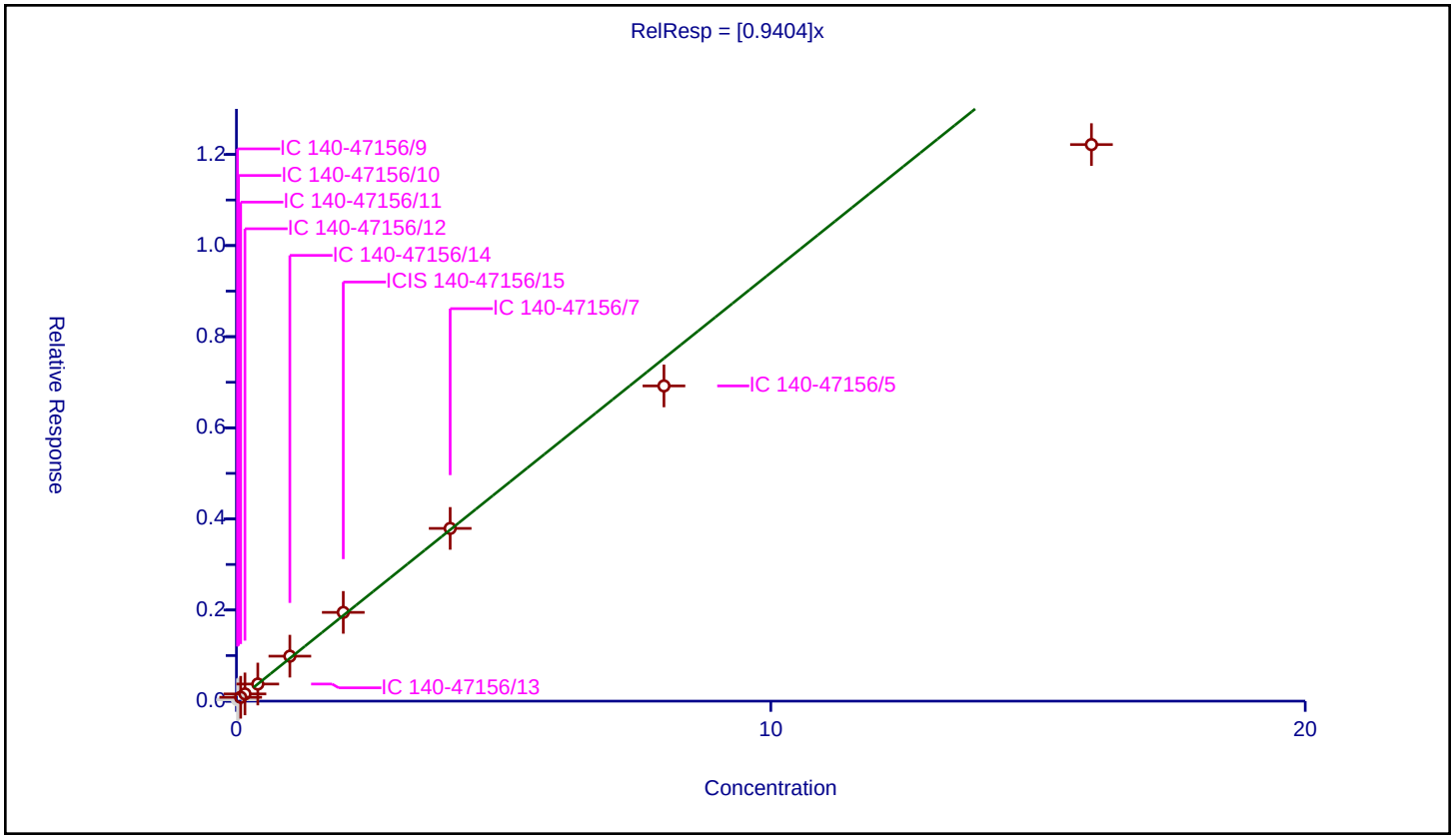
Curve Coefficients

Intercept:	0
Slope:	0.9404

Error Coefficients

Standard Error:	1010000
Relative Standard Error:	9.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.02924	4.8	886633.0	1.46198	N
2	IC 140-47156/10	0.04	0.045994	4.8	871628.0	1.149848	N
3	IC 140-47156/11	0.08	0.084371	4.8	885173.0	1.054641	Y
4	IC 140-47156/12	0.16	0.158752	4.8	890262.0	0.992202	Y
5	IC 140-47156/13	0.4	0.375562	4.8	868458.0	0.938906	Y
6	IC 140-47156/14	1.0	0.986946	4.8	852020.0	0.986946	Y
7	ICIS 140-47156/15	2.0	1.948132	4.8	855224.0	0.974066	Y
8	IC 140-47156/7	4.0	3.791749	4.8	879848.0	0.947937	Y
9	IC 140-47156/5	8.0	6.91937	4.8	885254.0	0.864921	Y
10	IC 140-47156/3	16.0	12.21655	4.8	871503.0	0.763534	Y



Calibration / n-Butylbenzene

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

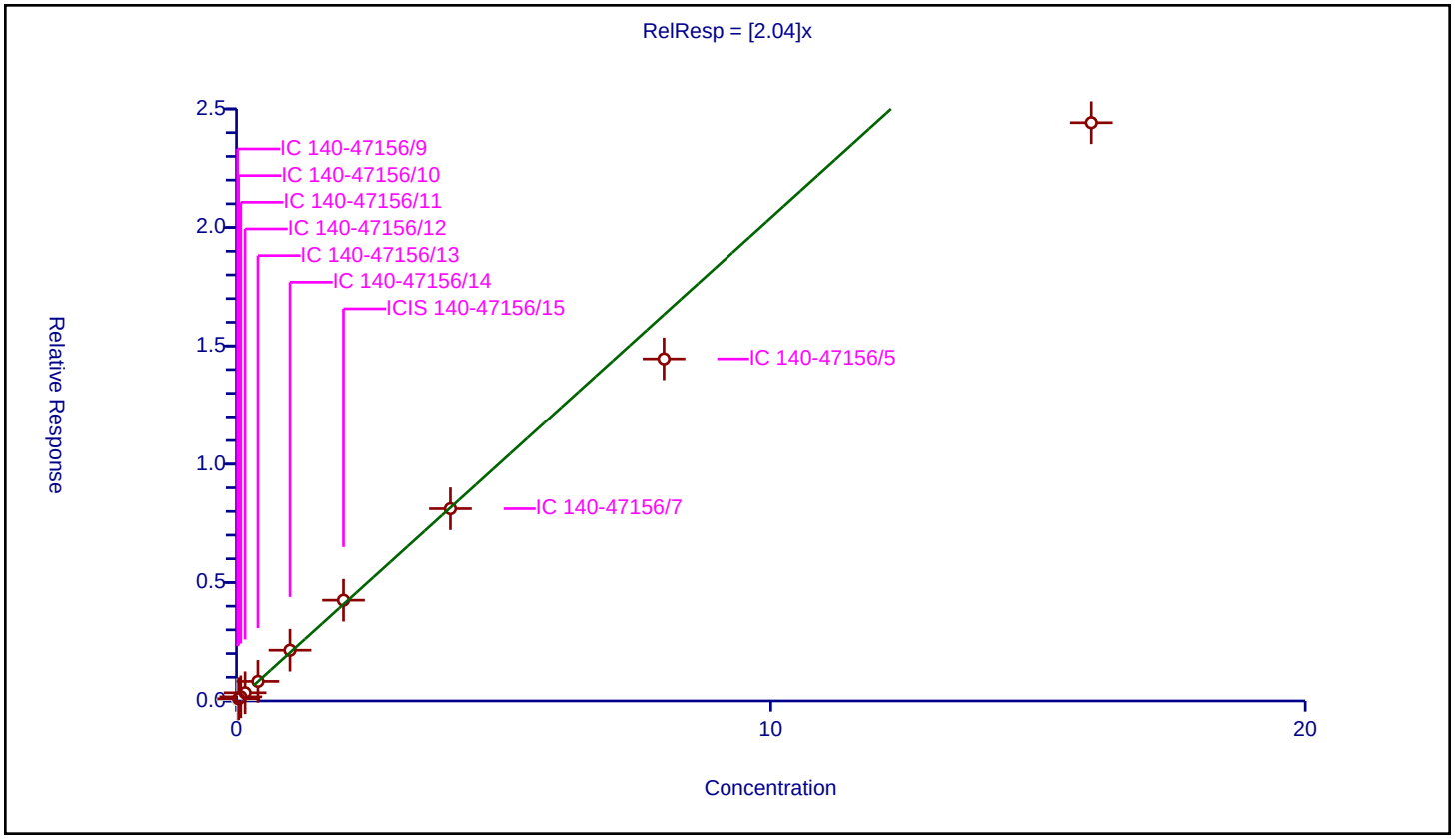
Curve Coefficients

Intercept:	0
Slope:	2.04

Error Coefficients

Standard Error:	1930000
Relative Standard Error:	11.8
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.056931	4.8	886633.0	2.846544	N
2	IC 140-47156/10	0.04	0.093855	4.8	871628.0	2.346368	Y
3	IC 140-47156/11	0.08	0.173493	4.8	885173.0	2.168661	Y
4	IC 140-47156/12	0.16	0.344787	4.8	890262.0	2.154916	Y
5	IC 140-47156/13	0.4	0.825728	4.8	868458.0	2.064321	Y
6	IC 140-47156/14	1.0	2.141702	4.8	852020.0	2.141702	Y
7	ICIS 140-47156/15	2.0	4.252085	4.8	855224.0	2.126042	Y
8	IC 140-47156/7	4.0	8.117226	4.8	879848.0	2.029306	Y
9	IC 140-47156/5	8.0	14.453219	4.8	885254.0	1.806652	Y
10	IC 140-47156/3	16.0	24.418714	4.8	871503.0	1.52617	Y



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

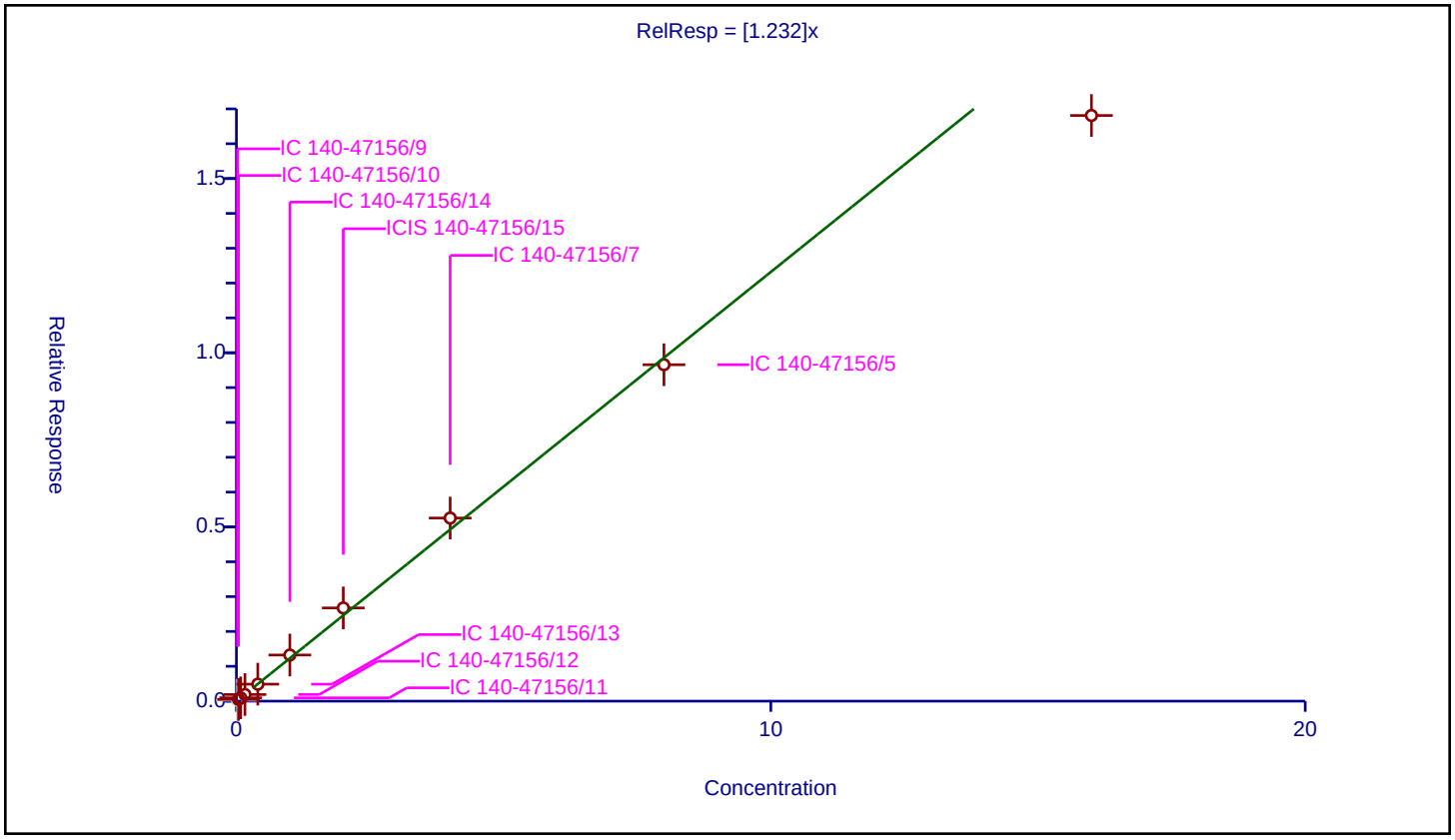
Curve Coefficients

Intercept:	0
Slope:	1.232

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	7.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.029207	4.8	886633.0	1.460356	N
2	IC 140-47156/10	0.04	0.05046	4.8	871628.0	1.261501	Y
3	IC 140-47156/11	0.08	0.095038	4.8	885173.0	1.187971	Y
4	IC 140-47156/12	0.16	0.189706	4.8	890262.0	1.185662	Y
5	IC 140-47156/13	0.4	0.487523	4.8	868458.0	1.218809	Y
6	IC 140-47156/14	1.0	1.32398	4.8	852020.0	1.32398	Y
7	ICIS 140-47156/15	2.0	2.675291	4.8	855224.0	1.337645	Y
8	IC 140-47156/7	4.0	5.255588	4.8	879848.0	1.313897	Y
9	IC 140-47156/5	8.0	9.656998	4.8	885254.0	1.207125	Y
10	IC 140-47156/3	16.0	16.810451	4.8	871503.0	1.050653	Y



Calibration / Undecane

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

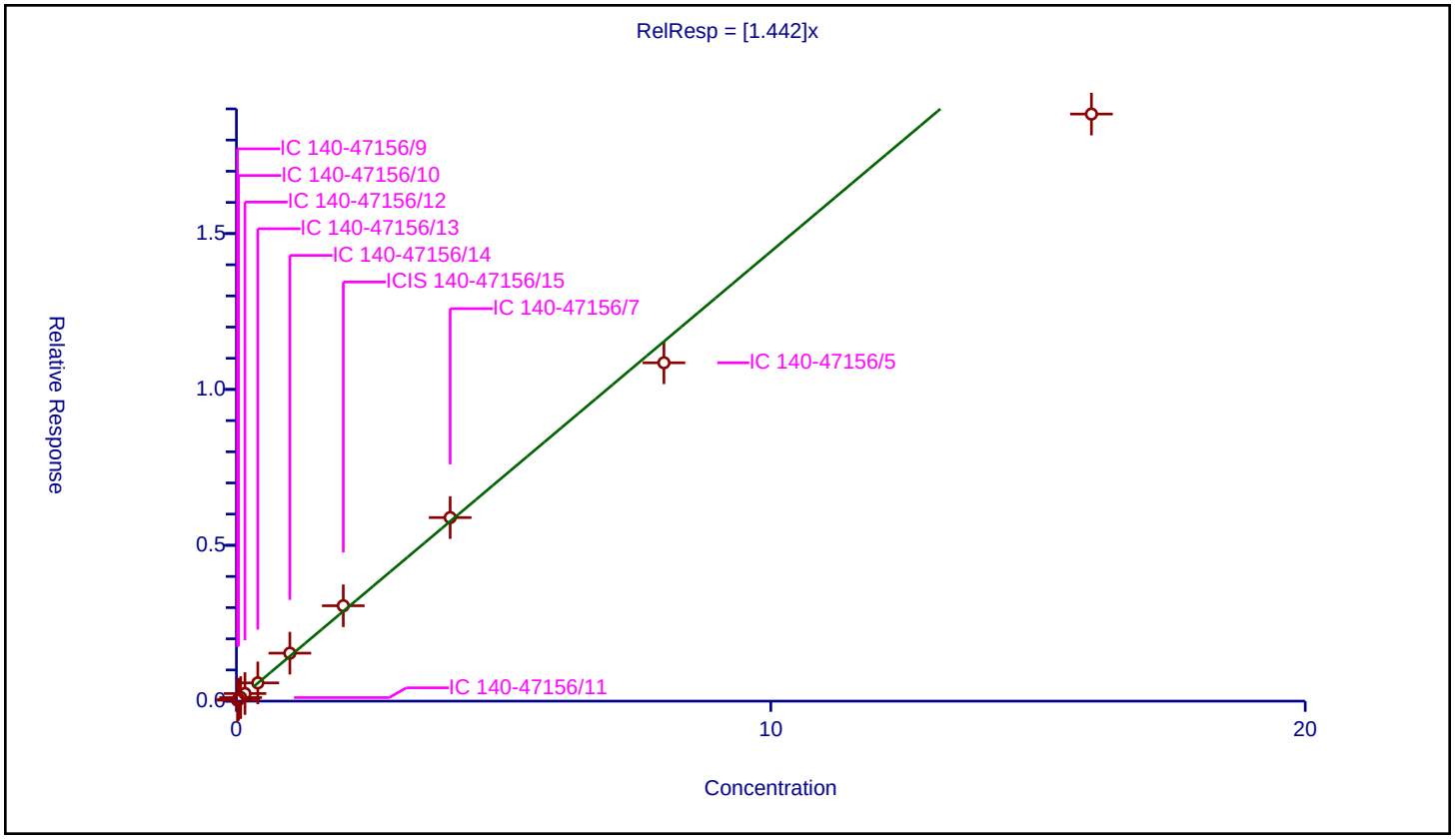
Curve Coefficients

Intercept:	0
Slope:	1.442

Error Coefficients

Standard Error:	1380000
Relative Standard Error:	7.5
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.029489	4.8	886633.0	1.474432	Y
2	IC 140-47156/10	0.04	0.05823	4.8	871628.0	1.455759	Y
3	IC 140-47156/11	0.08	0.114321	4.8	885173.0	1.429009	Y
4	IC 140-47156/12	0.16	0.243941	4.8	890262.0	1.52463	Y
5	IC 140-47156/13	0.4	0.585291	4.8	868458.0	1.463228	Y
6	IC 140-47156/14	1.0	1.539198	4.8	852020.0	1.539198	Y
7	ICIS 140-47156/15	2.0	3.059959	4.8	855224.0	1.52998	Y
8	IC 140-47156/7	4.0	5.888959	4.8	879848.0	1.47224	Y
9	IC 140-47156/5	8.0	10.855683	4.8	885254.0	1.35696	Y
10	IC 140-47156/3	16.0	18.834303	4.8	871503.0	1.177144	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

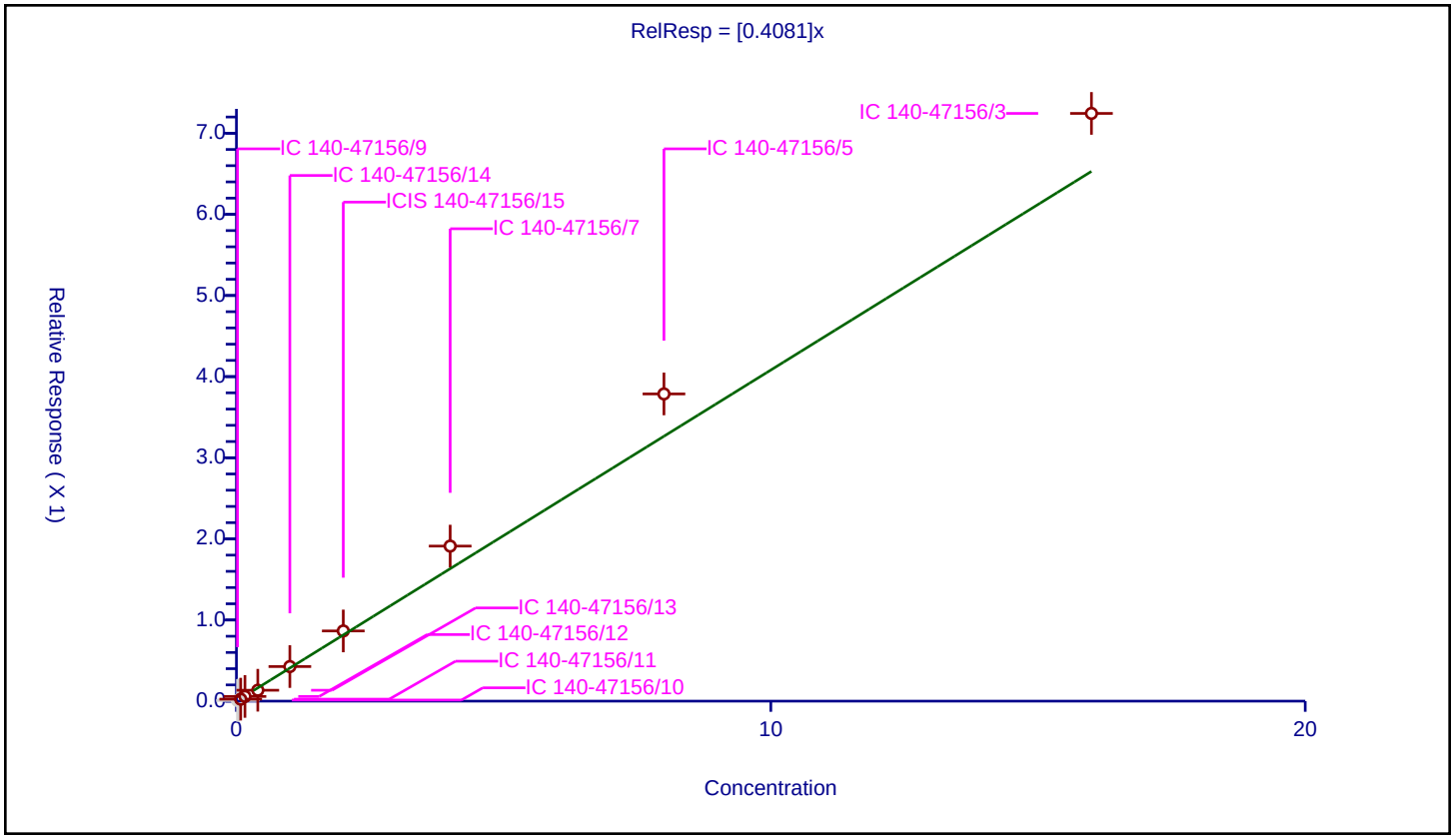
Curve Coefficients

Intercept:	0
Slope:	0.4081

Error Coefficients

Standard Error:	582000
Relative Standard Error:	16.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.008299	4.8	886633.0	0.414963	N
2	IC 140-47156/10	0.04	0.01352	4.8	871628.0	0.337988	N
3	IC 140-47156/11	0.08	0.024332	4.8	885173.0	0.304144	Y
4	IC 140-47156/12	0.16	0.057912	4.8	890262.0	0.36195	Y
5	IC 140-47156/13	0.4	0.134395	4.8	868458.0	0.335989	Y
6	IC 140-47156/14	1.0	0.426221	4.8	852020.0	0.426221	Y
7	ICIS 140-47156/15	2.0	0.865362	4.8	855224.0	0.432681	Y
8	IC 140-47156/7	4.0	1.910992	4.8	879848.0	0.477748	Y
9	IC 140-47156/5	8.0	3.786753	4.8	885254.0	0.473344	Y
10	IC 140-47156/3	16.0	7.244334	4.8	871503.0	0.452771	Y



Calibration / 1,2,4,5-Tetramethylbenzene

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

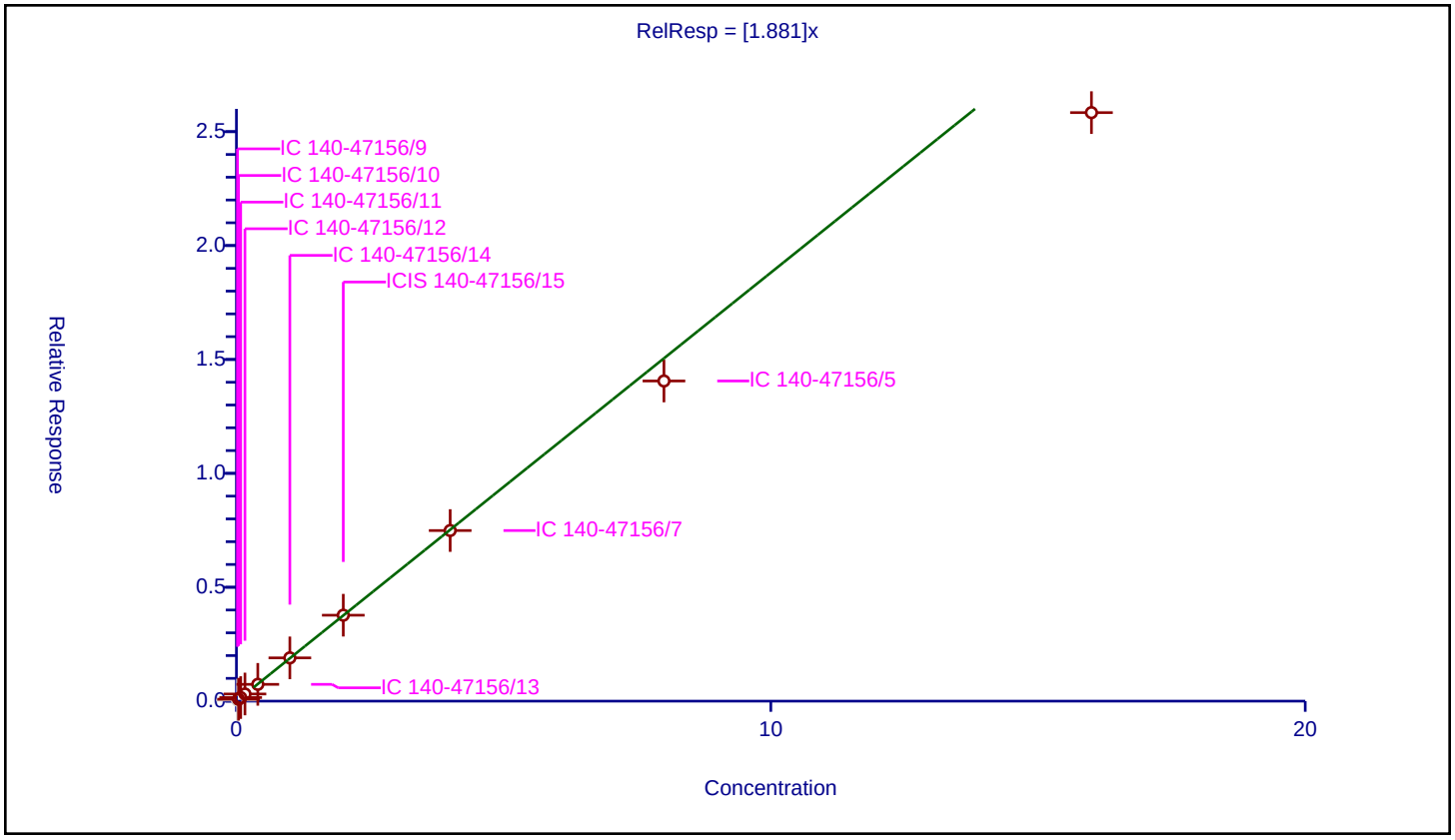
Curve Coefficients

Intercept:	0
Slope:	1.881

Error Coefficients

Standard Error:	1970000
Relative Standard Error:	7.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.047321	4.8	886633.0	2.366075	N
2	IC 140-47156/10	0.04	0.084768	4.8	871628.0	2.119207	Y
3	IC 140-47156/11	0.08	0.157724	4.8	885173.0	1.971547	Y
4	IC 140-47156/12	0.16	0.314496	4.8	890262.0	1.965601	Y
5	IC 140-47156/13	0.4	0.737705	4.8	868458.0	1.844262	Y
6	IC 140-47156/14	1.0	1.899358	4.8	852020.0	1.899358	Y
7	ICIS 140-47156/15	2.0	3.772693	4.8	855224.0	1.886347	Y
8	IC 140-47156/7	4.0	7.489735	4.8	879848.0	1.872434	Y
9	IC 140-47156/5	8.0	14.054873	4.8	885254.0	1.756859	Y
10	IC 140-47156/3	16.0	25.836496	4.8	871503.0	1.614781	Y



Calibration / Dodecane

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

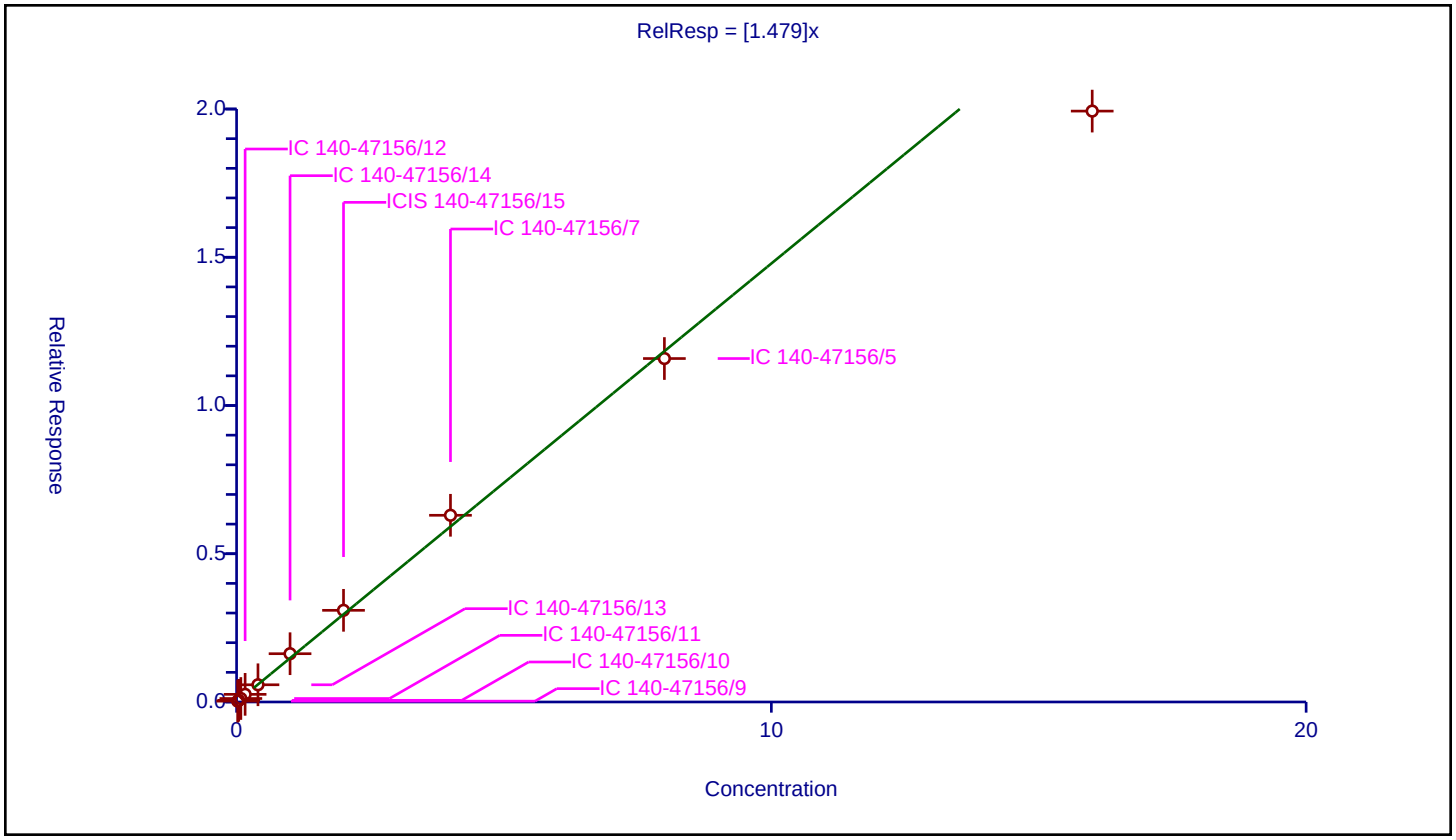
Curve Coefficients

Intercept:	0
Slope:	1.479

Error Coefficients

Standard Error:	1470000
Relative Standard Error:	7.8
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.028195	4.8	886633.0	1.409738	Y
2	IC 140-47156/10	0.04	0.056116	4.8	871628.0	1.402892	Y
3	IC 140-47156/11	0.08	0.117737	4.8	885173.0	1.471712	Y
4	IC 140-47156/12	0.16	0.257846	4.8	890262.0	1.611537	Y
5	IC 140-47156/13	0.4	0.580361	4.8	868458.0	1.450903	Y
6	IC 140-47156/14	1.0	1.628638	4.8	852020.0	1.628638	Y
7	ICIS 140-47156/15	2.0	3.091861	4.8	855224.0	1.54593	Y
8	IC 140-47156/7	4.0	6.297564	4.8	879848.0	1.574391	Y
9	IC 140-47156/5	8.0	11.583946	4.8	885254.0	1.447993	Y
10	IC 140-47156/3	16.0	19.930242	4.8	871503.0	1.24564	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

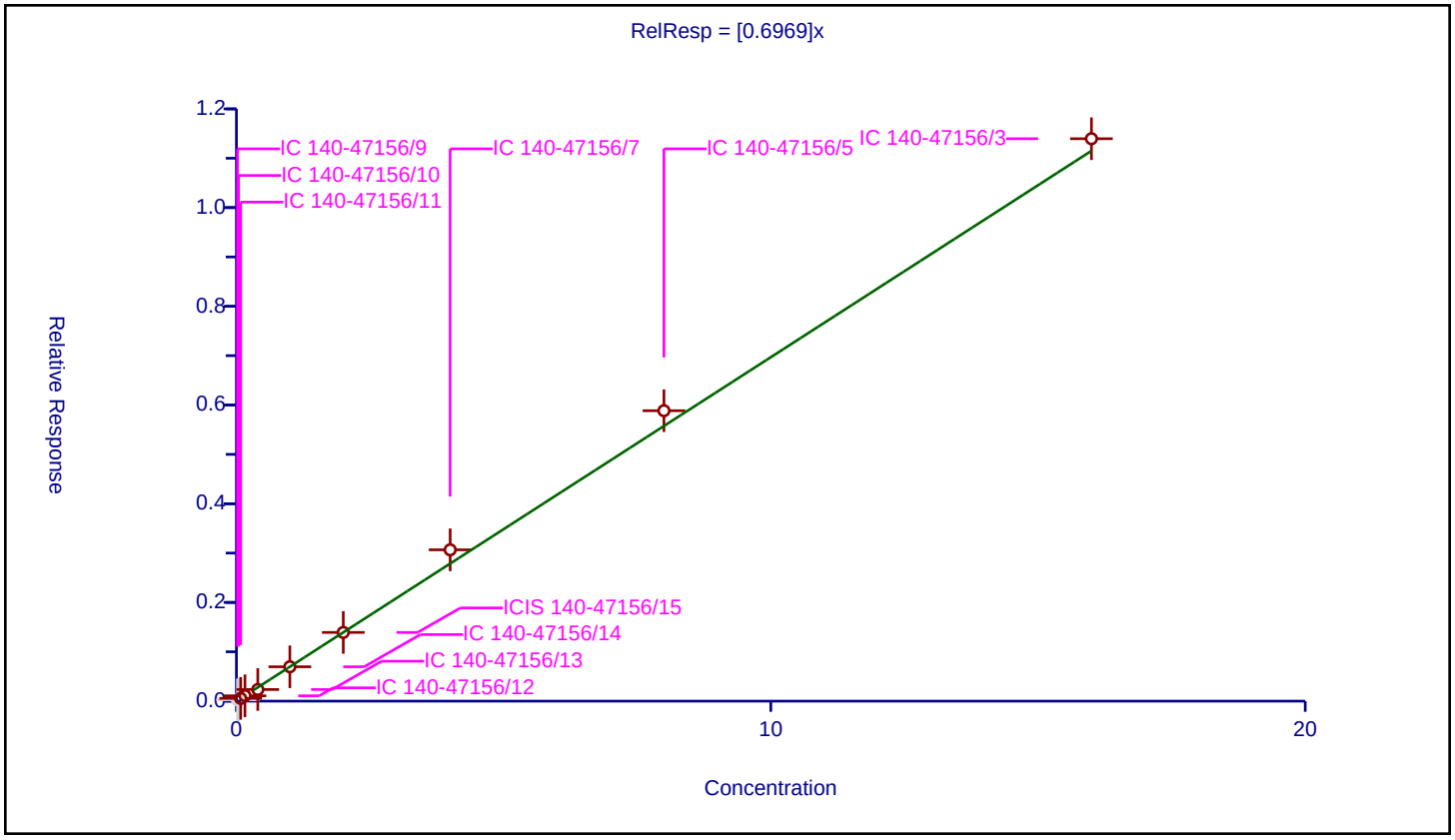
Curve Coefficients

Intercept:	0
Slope:	0.6969

Error Coefficients

Standard Error:	914000
Relative Standard Error:	7.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.026408	4.8	886633.0	1.320411	N
2	IC 140-47156/10	0.04	0.030448	4.8	871628.0	0.761196	N
3	IC 140-47156/11	0.08	0.056184	4.8	885173.0	0.702303	Y
4	IC 140-47156/12	0.16	0.108389	4.8	890262.0	0.67743	Y
5	IC 140-47156/13	0.4	0.235297	4.8	868458.0	0.588243	Y
6	IC 140-47156/14	1.0	0.696592	4.8	852020.0	0.696592	Y
7	ICIS 140-47156/15	2.0	1.391815	4.8	855224.0	0.695908	Y
8	IC 140-47156/7	4.0	3.066071	4.8	879848.0	0.766518	Y
9	IC 140-47156/5	8.0	5.884809	4.8	885254.0	0.735601	Y
10	IC 140-47156/3	16.0	11.39575	4.8	871503.0	0.712234	Y



Calibration / Naphthalene

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

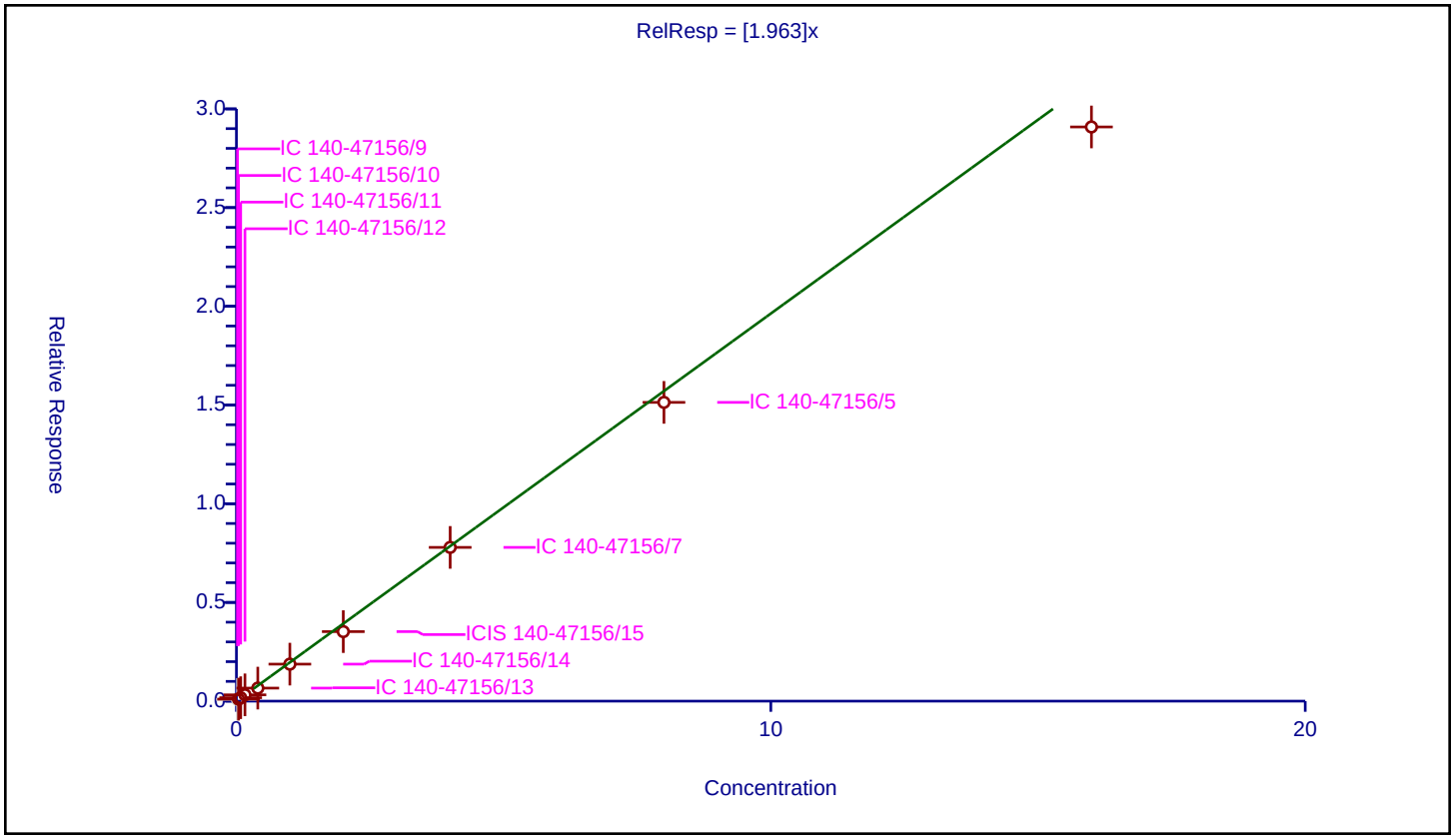
Curve Coefficients

Intercept:	0
Slope:	1.963

Error Coefficients

Standard Error:	2190000
Relative Standard Error:	13.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.085694	4.8	886633.0	4.284704	N
2	IC 140-47156/10	0.04	0.101917	4.8	871628.0	2.547922	Y
3	IC 140-47156/11	0.08	0.174908	4.8	885173.0	2.186352	Y
4	IC 140-47156/12	0.16	0.318901	4.8	890262.0	1.993132	Y
5	IC 140-47156/13	0.4	0.659746	4.8	868458.0	1.649365	Y
6	IC 140-47156/14	1.0	1.874812	4.8	852020.0	1.874812	Y
7	ICIS 140-47156/15	2.0	3.522384	4.8	855224.0	1.761192	Y
8	IC 140-47156/7	4.0	7.787796	4.8	879848.0	1.946949	Y
9	IC 140-47156/5	8.0	15.133945	4.8	885254.0	1.891743	Y
10	IC 140-47156/3	16.0	29.084909	4.8	871503.0	1.817807	Y



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

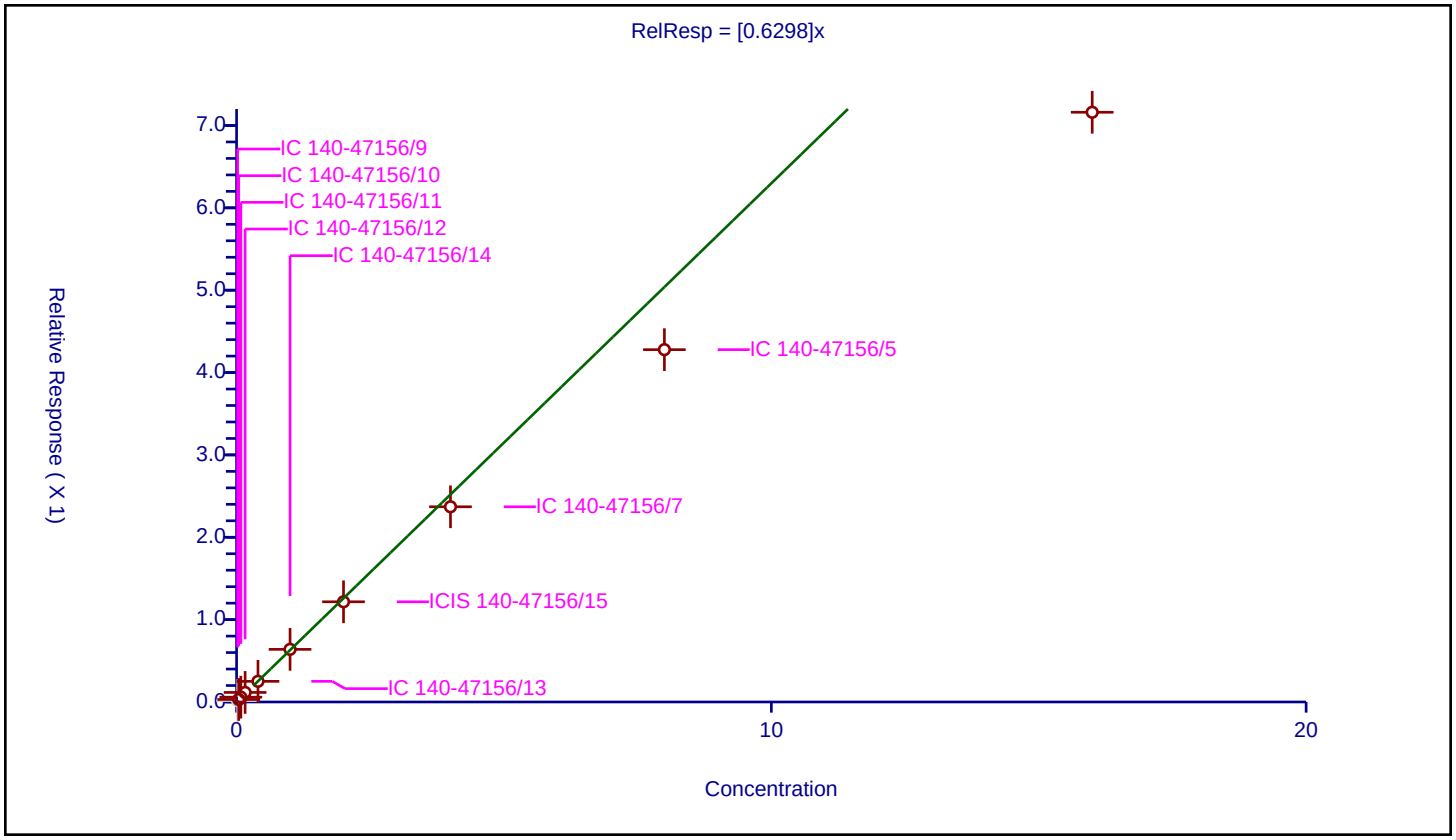
Curve Coefficients

Intercept:	0
Slope:	0.6298

Error Coefficients

Standard Error:	566000
Relative Standard Error:	16.0
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.962

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.016761	4.8	886633.0	0.838047	N
2	IC 140-47156/10	0.04	0.030575	4.8	871628.0	0.764363	Y
3	IC 140-47156/11	0.08	0.058397	4.8	885173.0	0.729959	Y
4	IC 140-47156/12	0.16	0.116002	4.8	890262.0	0.725011	Y
5	IC 140-47156/13	0.4	0.25064	4.8	868458.0	0.6266	Y
6	IC 140-47156/14	1.0	0.639061	4.8	852020.0	0.639061	Y
7	ICIS 140-47156/15	2.0	1.216669	4.8	855224.0	0.608335	Y
8	IC 140-47156/7	4.0	2.370186	4.8	879848.0	0.592546	Y
9	IC 140-47156/5	8.0	4.278018	4.8	885254.0	0.534752	Y
10	IC 140-47156/3	16.0	7.160595	4.8	871503.0	0.447537	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

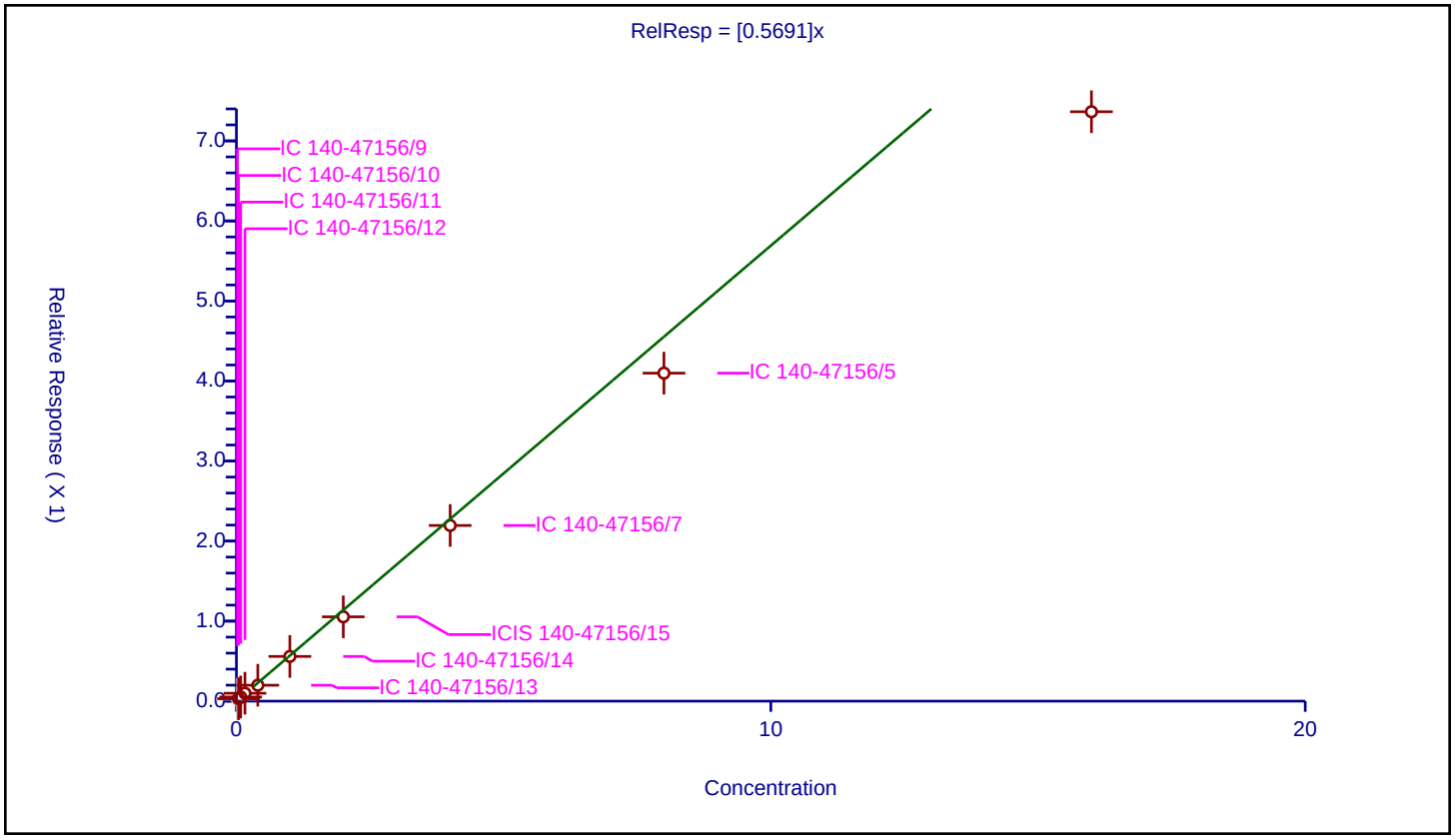
Curve Coefficients

Intercept:	0
Slope:	0.5691

Error Coefficients

Standard Error:	567000
Relative Standard Error:	15.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.02	0.024725	4.8	886633.0	1.236227	N
2	IC 140-47156/10	0.04	0.030101	4.8	871628.0	0.752523	Y
3	IC 140-47156/11	0.08	0.051906	4.8	885173.0	0.648822	Y
4	IC 140-47156/12	0.16	0.098651	4.8	890262.0	0.616571	Y
5	IC 140-47156/13	0.4	0.199001	4.8	868458.0	0.497502	Y
6	IC 140-47156/14	1.0	0.558533	4.8	852020.0	0.558533	Y
7	ICIS 140-47156/15	2.0	1.053568	4.8	855224.0	0.526784	Y
8	IC 140-47156/7	4.0	2.19495	4.8	879848.0	0.548738	Y
9	IC 140-47156/5	8.0	4.097964	4.8	885254.0	0.512246	Y
10	IC 140-47156/3	16.0	7.364408	4.8	871503.0	0.460276	Y



Calibration / 2-Methylnaphthalene

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

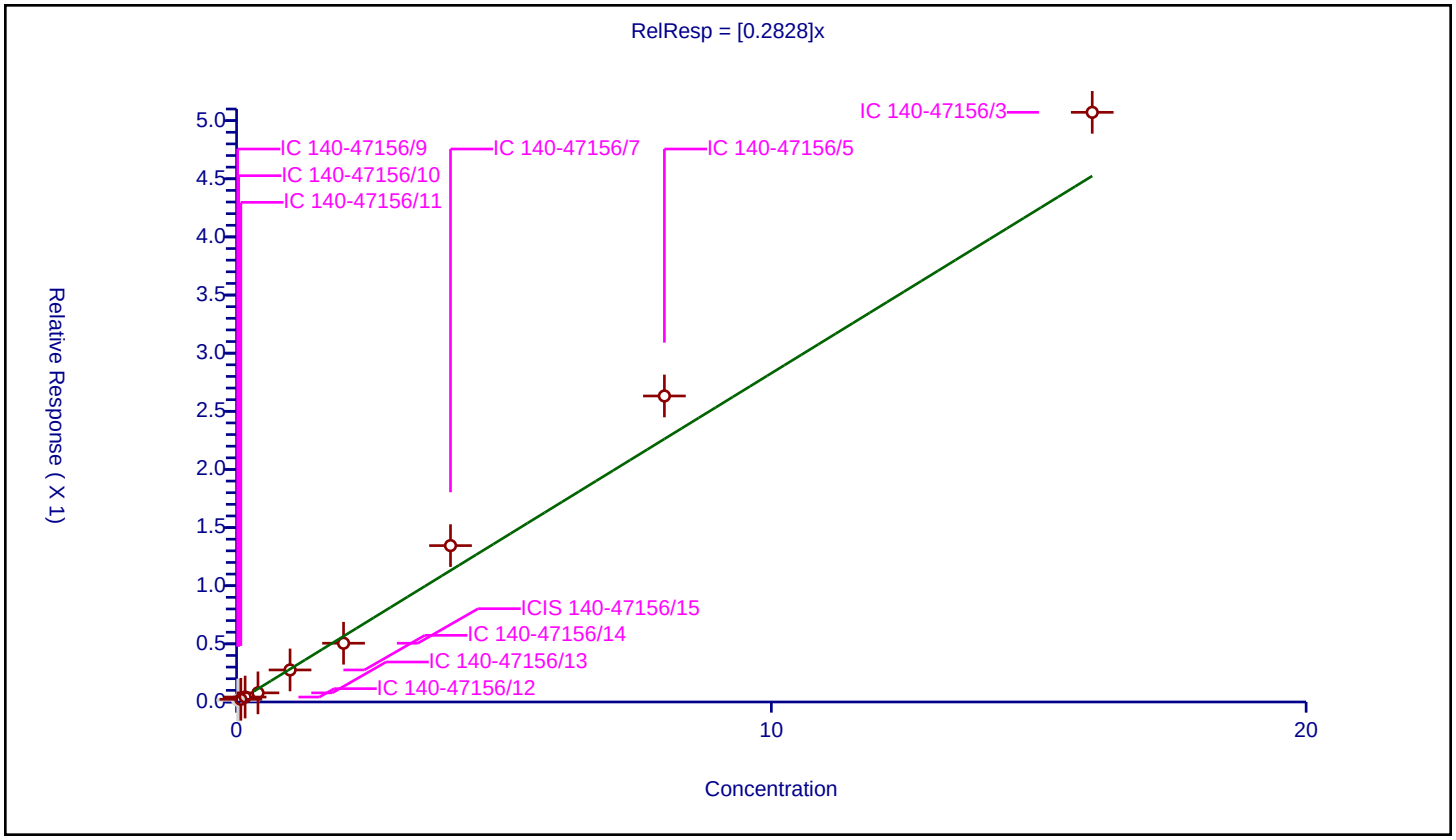
Curve Coefficients

Intercept:	0
Slope:	0.2828

Error Coefficients

Standard Error:	406000
Relative Standard Error:	16.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.020001	0.017102	4.8	886633.0	0.855058	N
2	IC 140-47156/10	0.040002	0.015612	4.8	871628.0	0.390285	N
3	IC 140-47156/11	0.080004	0.023204	4.8	885173.0	0.290031	Y
4	IC 140-47156/12	0.160008	0.042454	4.8	890262.0	0.265324	Y
5	IC 140-47156/13	0.40002	0.078556	4.8	868458.0	0.19638	Y
6	IC 140-47156/14	1.00005	0.27547	4.8	852020.0	0.275456	Y
7	ICIS 140-47156/15	2.0001	0.505389	4.8	855224.0	0.252682	Y
8	IC 140-47156/7	4.000199	1.345132	4.8	879848.0	0.336266	Y
9	IC 140-47156/5	8.000399	2.631868	4.8	885254.0	0.328967	Y
10	IC 140-47156/3	16.000797	5.071492	4.8	871503.0	0.316952	Y



Calibration / 1-Methylnaphthalene

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

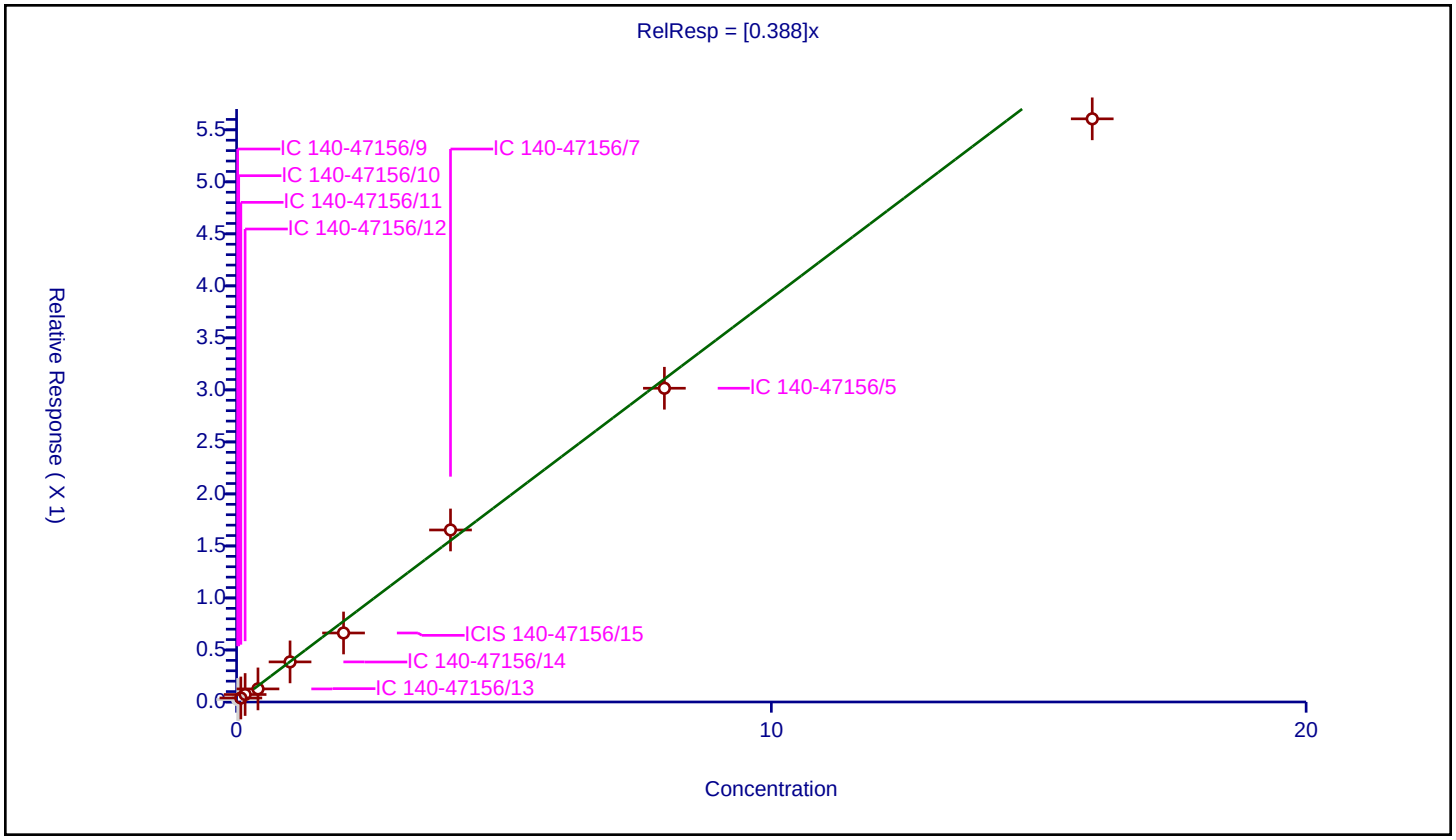
Curve Coefficients

Intercept:	0
Slope:	0.388

Error Coefficients

Standard Error:	456000
Relative Standard Error:	15.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-47156/9	0.020001	0.02394	4.8	886633.0	1.196918	N
2	IC 140-47156/10	0.040002	0.023878	4.8	871628.0	0.596922	N
3	IC 140-47156/11	0.080004	0.038637	4.8	885173.0	0.482932	Y
4	IC 140-47156/12	0.160008	0.071941	4.8	890262.0	0.449609	Y
5	IC 140-47156/13	0.40002	0.125613	4.8	868458.0	0.314017	Y
6	IC 140-47156/14	1.00005	0.385428	4.8	852020.0	0.385408	Y
7	ICIS 140-47156/15	2.0001	0.663231	4.8	855224.0	0.331599	Y
8	IC 140-47156/7	4.000199	1.653509	4.8	879848.0	0.413357	Y
9	IC 140-47156/5	8.000399	3.015834	4.8	885254.0	0.37696	Y
10	IC 140-47156/3	16.000797	5.605626	4.8	871503.0	0.350334	Y



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab Sample ID: ICV 140-47023/17 Calibration Date: 02/17/2021 22:33

Instrument ID: MR Calib Start Date: 02/17/2021 11:25

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/17/2021 20:59

Lab File ID: RB17ICV.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	3.380	3.656		1.73	1.60	8.2	35.0
Propene	Ave	1.581	1.671		1.69	1.60	5.7	35.0
Dichlorodifluoromethane	Ave	2.234	2.737		1.96	1.60	22.5	35.0
Chloromethane	Ave	0.5842	0.6189		1.69	1.60	5.9	35.0
1,2-Dichlorotetrafluoroethane	Ave	2.249	2.799		1.99	1.60	24.5	35.0
Acetaldehyde	Ave	0.6384	0.6136		7.69	8.00	-3.9	35.0
Vinyl chloride	Ave	1.777	2.011		1.81	1.60	13.1	35.0
1,3-Butadiene	Ave	1.396	1.478		1.69	1.60	5.9	35.0
Butane	Ave	2.522	2.814		1.79	1.60	11.6	35.0
Bromomethane	Ave	1.439	1.433		1.59	1.60	-0.4	35.0
Chloroethane	Ave	0.7111	0.7298		1.64	1.60	2.6	35.0
Ethanol	Ave	0.5416	0.4220		6.23	8.00	-22.1	35.0
Vinyl bromide	Ave	1.290	1.376		1.71	1.60	6.7	35.0
2-Methylbutane	Ave	1.707	1.803		1.69	1.60	5.6	35.0
Trichlorofluoromethane	Ave	3.807	3.955		1.66	1.60	3.9	35.0
Acrolein	Ave	0.4600	0.4970		1.73	1.60	8.1	35.0
Acetonitrile	Ave	0.5056	0.4468		1.41	1.60	-11.6	35.0
Acetone	Ave	0.8268	0.8367			1.60	1.2	35.0
Pentane	Ave	0.1953	0.2105		1.72	1.60	7.8	35.0
Isopropyl alcohol	Ave	2.285	2.761		1.93	1.60	20.8	35.0
Ethyl ether	Ave	1.707	1.821		1.71	1.60	6.6	35.0
1,1-Dichloroethene	Ave	1.598	1.584		1.59	1.60	-0.9	35.0
Acrylonitrile	Ave	1.051	1.131		1.72	1.60	7.5	35.0
t-Butyl alcohol	Ave	3.053	3.189		1.67	1.60	4.5	35.0
1,1,2-Trichlorotrifluoroethane	Ave	3.283	3.463		1.69	1.60	5.5	35.0
Methylene Chloride	Ave	1.330	1.413		1.70	1.60	6.2	35.0
3-Chloropropene	Ave	1.436	1.508		1.68	1.60	5.0	35.0
Carbon disulfide	Ave	4.388	4.565		1.66	1.60	4.0	35.0
trans-1,2-Dichloroethene	Ave	1.392	1.457		1.67	1.60	4.7	35.0
2-Methylpentane	Ave	4.259	4.250		1.60	1.60	-0.2	35.0
Methyl tert-butyl ether	Ave	4.087	4.321		1.69	1.60	5.7	35.0
1,1-Dichloroethane	Ave	3.405	3.551		1.67	1.60	4.3	35.0
Vinyl acetate	Ave	4.009	4.427		1.77	1.60	10.4	35.0
2-Butanone	Ave	0.7408	0.7677		1.66	1.60	3.6	35.0
Hexane	Ave	1.475	1.570		1.70	1.60	6.5	35.0
Isopropyl ether	Ave	6.268	6.901		1.76	1.60	10.1	35.0
cis-1,2-Dichloroethene	Ave	1.615	1.685		1.67	1.60	4.3	35.0
Ethyl acetate	Ave	3.958	4.087		1.65	1.60	3.3	35.0
Chloroform	Ave	3.275	3.452		1.69	1.60	5.4	35.0
Tert-butyl ethyl ether	Ave	5.486	5.537		1.61	1.60	0.9	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab Sample ID: ICV 140-47023/17 Calibration Date: 02/17/2021 22:33

Instrument ID: MR Calib Start Date: 02/17/2021 11:25

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/17/2021 20:59

Lab File ID: RB17ICV.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	2.156	2.226		1.65	1.60	3.3	35.0
1,1,1-Trichloroethane	Ave	3.331	3.477		1.67	1.60	4.4	35.0
1,2-Dichloroethane	Ave	0.4573	0.4757		1.66	1.60	4.0	35.0
Cyclohexane	Ave	0.1410	0.1598		1.81	1.60	13.3	35.0
Benzene	Ave	0.9044	0.9880		1.75	1.60	9.2	35.0
1-Butanol	Ave	0.1311	0.1390		1.70	1.60	6.0	35.0
Carbon tetrachloride	Ave	0.5832	0.6780		1.86	1.60	16.3	35.0
2,3-Dimethylpentane	Ave	0.2109	0.2200		1.67	1.60	4.3	35.0
Thiophene	Ave	0.5400	0.5558		1.65	1.60	2.9	35.0
2,2,4-Trimethylpentane	Ave	1.797	1.970		1.75	1.60	9.6	35.0
Heptane	Ave	0.3250	0.3472		1.71	1.60	6.8	35.0
1,2-Dichloropropane	Ave	0.4440	0.4707		1.70	1.60	6.0	35.0
Trichloroethene	Ave	0.3980	0.4017		1.61	1.60	0.9	35.0
Dibromomethane	Ave	0.3579	0.3836		1.71	1.60	7.2	35.0
Bromodichloromethane	Ave	0.6346	0.6818		1.72	1.60	7.4	35.0
1,4-Dioxane	Ave	0.1378	0.1351		1.57	1.60	-2.0	35.0
Methyl methacrylate	Ave	0.4446	0.4776		1.72	1.60	7.4	35.0
Methylcyclohexane	Ave	0.5907	0.7442		2.02	1.60	26.0	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8452	0.9083		1.72	1.60	7.5	35.0
cis-1,3-Dichloropropene	Ave	0.4992	0.5536		1.77	1.60	10.9	35.0
trans-1,3-Dichloropropene	Ave	0.4819	0.5520		1.83	1.60	14.5	35.0
Toluene	Ave	1.315	1.419		1.73	1.60	7.9	35.0
1,1,2-Trichloroethane	Ave	0.4173	0.4507		1.73	1.60	8.0	35.0
2-Hexanone	Ave	0.4708	0.5225		1.78	1.60	11.0	35.0
Octane	Ave	0.3891	0.4304		1.77	1.60	10.6	35.0
Dibromochloromethane	Ave	0.7007	0.7881		1.80	1.60	12.5	35.0
1,2-Dibromoethane	Ave	0.6636	0.7184		1.73	1.60	8.3	35.0
Tetrachloroethene	Ave	0.4659	0.4912		1.69	1.60	5.4	35.0
Chlorobenzene	Ave	0.9742	1.078		1.77	1.60	10.7	35.0
2,3-Dimethylheptane	Ave	1.447	1.453		1.61	1.60	0.5	35.0
Ethylbenzene	Ave	1.659	1.751		1.69	1.60	5.5	35.0
m-Xylene & p-Xylene	Ave	1.281	1.394		3.48	3.20	8.9	35.0
Bromoform	Ave	0.6816	0.8069		1.89	1.60	18.4	35.0
Nonane	Ave	0.8993	1.059		1.88	1.60	17.7	35.0
Styrene	Ave	0.8407	0.9687		1.84	1.60	15.2	35.0
o-Xylene	Ave	1.286	1.392		1.73	1.60	8.2	35.0
1,1,2,2-Tetrachloroethane	Ave	0.9810	1.063		1.73	1.60	8.3	35.0
1,2,3-Trichloropropane	Ave	0.2395	0.2577		1.72	1.60	7.6	35.0
Isopropylbenzene	Ave	1.721	1.933		1.80	1.60	12.3	35.0
Propylbenzene	Ave	0.4825	0.5447		1.81	1.60	12.9	35.0
2-Chlorotoluene	Ave	0.4217	0.4745		1.80	1.60	12.5	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab Sample ID: ICV 140-47023/17 Calibration Date: 02/17/2021 22:33

Instrument ID: MR Calib Start Date: 02/17/2021 11:25

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/17/2021 20:59

Lab File ID: RB17ICV.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Ethyltoluene	Ave	1.717	1.862		1.74	1.60	8.5	35.0
1,3,5-Trimethylbenzene	Ave	0.7181	0.8790		1.96	1.60	22.4	35.0
Alpha Methyl Styrene	Ave	0.6730	0.7576		1.80	1.60	12.6	35.0
Decane	Ave	1.182	1.443		1.95	1.60	22.1	35.0
tert-Butylbenzene	Ave	1.440	1.646		1.83	1.60	14.3	35.0
1,2,4-Trimethylbenzene	Ave	1.448	1.619		1.79	1.60	11.8	35.0
sec-Butylbenzene	Ave	2.025	2.310		1.83	1.60	14.1	35.0
1,3-Dichlorobenzene	Ave	0.8874	1.026		1.85	1.60	15.6	35.0
Benzyl chloride	Ave	0.9490	1.147		1.93	1.60	20.8	35.0
1,4-Dichlorobenzene	Ave	0.8727	0.9936		1.82	1.60	13.8	35.0
4-Isopropyltoluene	Ave	1.664	1.813		1.74	1.60	8.9	35.0
1,2,3-Trimethylbenzene	Ave	1.530	1.190		1.24	1.60	-22.2	35.0
Butylcyclohexane	Ave	1.243	1.289		1.66	1.60	3.7	35.0
1,2-Dichlorobenzene	Ave	0.8868	0.9760		1.76	1.60	10.0	35.0
Indane	Ave	1.238	1.317		1.70	1.60	6.4	35.0
Indene	Ave	1.004	0.9556		1.52	1.60	-4.8	35.0
Butylbenzene	Ave	1.616	1.933		1.91	1.60	19.6	35.0
Undecane	Ave	1.353	1.725		2.04	1.60	27.5	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.4184	0.4177		1.60	1.60	-0.2	35.0
1,2,4,5-Tetramethylbenzene	Ave	1.577	1.707		1.73	1.60	8.2	35.0
Dodecane	Ave	1.383	1.729		2.00	1.60	25.0	35.0
1,2,4-Trichlorobenzene	Lin2		0.9473		2.07	1.60	29.7	35.0
Naphthalene	QuaF		1.944		1.97	1.60	23.2	35.0
Hexachlorobutadiene	Ave	0.8699	1.013		1.86	1.60	16.5	35.0
1,2,3-Trichlorobenzene	Ave	0.7324	0.9516		2.08	1.60	29.9	35.0
2-Methylnaphthalene	Ave	0.4154	0.3284		1.26	1.60	-20.9	50.0
1-Methylnaphthalene	Ave	0.4843	0.4301		1.42	1.60	-11.2	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7003	0.7152		4.74	4.64	2.1	35.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17ICV.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 17-Feb-2021 22:33:30 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018243-017
Misc. Info.: S137 80ML
Operator ID: HMT Instrument ID: MR
Sublist:

Method: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Feb-2021 15:49:33 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1664

First Level Reviewer: barlozhetskayaa Date: 18-Feb-2021 15:33:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.231	8.231	0.000	96	304062	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.437	10.437	0.000	95	1563395	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.274	15.269	0.005	89	1321463	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.924	16.924	0.000	94	913630	4.64	4.74	
6 Chlorodifluoromethane	51	3.410	3.413	-0.003	96	370505	1.60	1.73	
7 Propene	41	3.421	3.423	-0.002	99	169365	1.60	1.69	
8 Dichlorodifluoromethane	85	3.470	3.470	0.000	100	277438	1.60	1.96	
9 Chloromethane	52	3.631	3.631	0.000	99	62727	1.60	1.69	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.637	3.637	0.000	90	283735	1.60	1.99	
11 Acetaldehyde	44	3.772	3.777	-0.005	92	310971	8.00	7.69	
12 Vinyl chloride	62	3.782	3.784	-0.002	98	203837	1.60	1.81	
13 Butane	43	3.863	3.863	0.000	86	285169	1.60	1.79	
14 Butadiene	54	3.863	3.863	0.000	64	149828	1.60	1.69	
15 Bromomethane	94	4.144	4.149	-0.005	99	145290	1.60	1.59	
16 Chloroethane	64	4.273	4.277	-0.004	98	73964	1.60	1.64	
17 Ethanol	31	4.376	4.392	-0.016	91	213873	8.00	6.23	
18 Vinyl bromide	106	4.543	4.547	-0.004	98	139468	1.60	1.71	
19 2-Methylbutane	43	4.591	4.592	-0.001	92	182693	1.60	1.69	
20 Trichlorofluoromethane	101	4.785	4.790	-0.005	99	400900	1.60	1.66	
21 Acrolein	56	4.802	4.810	-0.008	88	50374	1.60	1.73	
22 Acetonitrile	40	4.861	4.872	-0.011	100	45284	1.60	1.41	
23 Acetone	58	4.915	4.928	-0.013	97	84806	1.60	1.62	
24 Pentane	72	4.990	4.995	-0.005	95	21337	1.60	1.72	
25 Isopropyl alcohol	45	5.001	5.029	-0.028	93	279866	1.60	1.93	
26 Ethyl ether	31	5.157	5.176	-0.019	95	184556	1.60	1.71	
27 1,1-Dichloroethene	96	5.443	5.447	-0.004	94	160518	1.60	1.59	
28 Acrylonitrile	53	5.551	5.563	-0.012	95	114590	1.60	1.72	
29 2-Methyl-2-propanol	59	5.567	5.600	-0.033	95	323219	1.60	1.67	
30 112TCTFE	101	5.616	5.617	-0.001	97	350962	1.60	1.69	
31 Methylene Chloride	84	5.772	5.775	-0.003	96	143244	1.60	1.70	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.788	5.793	-0.005	93	152834	1.60	1.68	
33 Carbon disulfide	76	5.923	5.925	-0.002	99	462720	1.60	1.66	
34 trans-1,2-Dichloroethene	96	6.543	6.551	-0.008	94	147714	1.60	1.67	
35 2-Methylpentane	43	6.570	6.572	-0.002	96	430764	1.60	1.60	
36 Methyl tert-butyl ether	73	6.684	6.709	-0.025	96	437944	1.60	1.69	
37 1,1-Dichloroethane	63	6.953	6.954	-0.001	99	359909	1.60	1.67	
38 Vinyl acetate	43	7.066	7.077	-0.011	100	448691	1.60	1.77	
39 2-Butanone (MEK)	72	7.498	7.518	-0.020	96	77809	1.60	1.66	
40 Hexane	56	7.519	7.523	-0.004	91	159152	1.60	1.70	
41 Isopropyl ether	45	7.686	7.707	-0.021	97	699404	1.60	1.76	
42 cis-1,2-Dichloroethene	96	7.908	7.910	-0.002	98	170754	1.60	1.67	
43 Ethyl acetate	43	8.107	8.125	-0.018	99	414282	1.60	1.65	
44 Chloroform	83	8.247	8.246	0.001	97	349901	1.60	1.69	
45 Tert-butyl ethyl ether	59	8.350	8.372	-0.022	96	561205	1.60	1.61	
46 Tetrahydrofuran	42	8.646	8.674	-0.028	95	225662	1.60	1.65	
47 1,1,1-Trichloroethane	97	9.250	9.254	-0.004	97	352455	1.60	1.67	
48 1,2-Dichloroethane	62	9.364	9.361	0.003	96	247915	1.60	1.66	
51 Benzene	78	9.860	9.855	0.005	97	514861	1.60	1.75	
50 Cyclohexane	69	9.854	9.855	-0.001	85	83251	1.60	1.81	
52 Carbon tetrachloride	117	9.881	9.880	0.001	98	353313	1.60	1.86	
49 n-Butanol	31	9.865	9.881	-0.016	65	72442	1.60	1.70	
53 2,3-Dimethylpentane	71	9.994	9.997	-0.003	92	114660	1.60	1.67	
54 Thiophene	84	10.140	10.139	0.001	98	289648	1.60	1.65	
55 Isooctane	57	10.668	10.670	-0.002	98	1026596	1.60	1.75	
56 n-Heptane	71	11.068	11.066	0.002	93	180929	1.60	1.71	
57 1,2-Dichloropropane	63	11.127	11.128	-0.001	95	245271	1.60	1.70	
58 Trichloroethene	130	11.170	11.167	0.003	94	209332	1.60	1.61	
59 Dibromomethane	93	11.251	11.249	0.002	97	199913	1.60	1.71	
60 Dichlorobromomethane	83	11.402	11.403	-0.001	98	355315	1.60	1.72	
61 1,4-Dioxane	88	11.440	11.461	-0.021	91	70404	1.60	1.57	
62 Methyl methacrylate	41	11.526	11.533	-0.007	91	248891	1.60	1.72	
63 Methylcyclohexane	83	11.963	11.960	0.003	93	387806	1.60	2.02	
64 4-Methyl-2-pentanone (MIBK)	43	12.399	12.416	-0.017	97	473342	1.60	1.72	
65 cis-1,3-Dichloropropene	75	12.443	12.441	0.002	96	288480	1.60	1.77	
66 trans-1,3-Dichloropropene	75	13.154	13.157	-0.003	99	243140	1.60	1.83	
67 Toluene	91	13.273	13.275	-0.002	93	625019	1.60	1.73	
68 1,1,2-Trichloroethane	83	13.354	13.352	0.002	96	198511	1.60	1.73	
69 2-Hexanone	58	13.764	13.778	-0.014	92	230161	1.60	1.78	
70 n-Octane	85	14.001	14.002	-0.001	96	189584	1.60	1.77	
71 Chlorodibromomethane	129	14.060	14.058	0.002	97	347131	1.60	1.80	
72 Ethylene Dibromide	107	14.351	14.353	-0.002	98	316447	1.60	1.73	
73 Tetrachloroethene	129	14.438	14.435	0.003	95	216351	1.60	1.69	
74 Chlorobenzene	112	15.322	15.318	0.004	97	474886	1.60	1.77	
75 2,3-Dimethylheptane	43	15.365	15.364	0.001	94	640123	1.60	1.61	
76 Ethylbenzene	91	15.619	15.618	0.001	98	771114	1.60	1.69	
77 m-Xylene & p-Xylene	91	15.780	15.781	-0.001	97	1228450	3.20	3.48	
79 Bromoform	173	16.217	16.217	0.000	96	355436	1.60	1.89	
78 n-Nonane	57	16.223	16.224	-0.001	94	466286	1.60	1.88	
80 Styrene	104	16.250	16.247	0.003	99	426696	1.60	1.84	
81 o-Xylene	91	16.309	16.308	0.001	99	613128	1.60	1.73	
82 1,1,2,2-Tetrachloroethane	83	16.632	16.634	-0.002	99	468054	1.60	1.73	
83 1,2,3-Trichloropropane	110	16.789	16.794	-0.005	97	113498	1.60	1.72	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	16.902	16.900	0.002	97	851467	1.60	1.80	
85 N-Propylbenzene	120	17.452	17.452	0.000	99	239947	1.60	1.81	
86 2-Chlorotoluene	126	17.490	17.490	0.000	98	209000	1.60	1.80	
87 4-Ethyltoluene	105	17.608	17.610	-0.002	99	820286	1.60	1.74	
88 1,3,5-Trimethylbenzene	120	17.689	17.690	-0.001	92	387181	1.60	1.96	
89 Alpha Methyl Styrene	118	17.927	17.928	-0.001	88	333709	1.60	1.80	
90 n-Decane	57	18.007	18.008	-0.001	88	635589	1.60	1.95	
91 tert-Butylbenzene	119	18.126	18.126	0.000	91	725139	1.60	1.83	
92 1,2,4-Trimethylbenzene	105	18.142	18.143	-0.001	96	713197	1.60	1.79	
93 sec-Butylbenzene	105	18.407	18.407	0.000	99	1017712	1.60	1.83	
94 1,3-Dichlorobenzene	146	18.412	18.413	-0.001	98	451980	1.60	1.85	
95 Benzyl chloride	91	18.493	18.492	0.001	98	505047	1.60	1.93	
96 1,4-Dichlorobenzene	146	18.504	18.504	0.000	95	437659	1.60	1.82	
97 4-Isopropyltoluene	119	18.574	18.577	-0.003	97	798682	1.60	1.74	
98 1,2,3-Trimethylbenzene	105	18.622	18.624	-0.002	98	524218	1.60	1.24	M
99 Butylcyclohexane	83	18.687	18.687	0.000	92	567707	1.60	1.66	
101 1,2-Dichlorobenzene	146	18.870	18.872	-0.002	93	429895	1.60	1.76	
100 2,3-Dihydroindene	117	18.870	18.872	-0.002	94	580007	1.60	1.70	
102 Indene	116	19.005	19.005	0.000	89	420916	1.60	1.52	
103 n-Butylbenzene	91	19.021	19.022	-0.001	97	851456	1.60	1.91	
104 Undecane	57	19.356	19.357	-0.001	95	759863	1.60	2.04	
105 1,2-Dibromo-3-Chloropropane	157	19.485	19.487	-0.002	96	183989	1.60	1.60	
106 1,2,4,5-Tetramethylbenzene	119	19.792	19.792	0.000	96	751862	1.60	1.73	
107 Dodecane	57	20.418	20.418	0.000	95	761551	1.60	2.00	
108 1,2,4-Trichlorobenzene	180	20.585	20.587	-0.002	94	417294	1.60	2.07	
109 Naphthalene	128	20.720	20.719	0.001	99	856446	1.60	1.97	
110 Hexachlorobutadiene	225	20.941	20.942	-0.001	95	446317	1.60	1.86	
111 1,2,3-Trichlorobenzene	180	21.006	21.005	0.001	95	419178	1.60	2.08	
112 2-Methylnaphthalene	142	21.771	21.774	-0.003	100	144647	1.60	1.26	
113 1-Methylnaphthalene	142	21.906	21.913	-0.007	100	189449	1.60	1.42	
A 116 C8 Range	1	13.990	(13.952-14.050)		0	1990307	1.60	1.77	
S 117 Xylenes, Total	100				0		4.80	5.22	
S 118 1,2-Dichloroethene, Total	1				0		3.20	3.34	
T 143 2-Methylthiophene TIC	97	13.429	13.435	-0.006	95	480764	1.60	1.75	
T 142 3-Methylthiophene TIC	97	13.634	13.456	0.178	97	472977	1.60	1.72	
T 150 2-Ethylthiophene TIC	97	15.721	15.781	-0.060	97	570749	1.60	2.07	
T 153 1,2-Dimethyl-4-Ethylbenzene TIC	119	19.399	19.404	-0.005	95	617226	1.60	2.24	
T 156 1,2,3,4-Tetramethylbenzene TIC	119	19.846	19.798	0.048	98	463567	1.60	1.68	a
T 155 1,2,3,5-Tetramethylbenzene TIC	119	20.240	20.240	0.000	94	629809	1.60	2.29	a
T 157 Benzo(b)thiophene TIC	134	20.822	20.822	0.000	97	418697	1.60	1.52	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

40CV101S_00137	Amount Added: 80.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

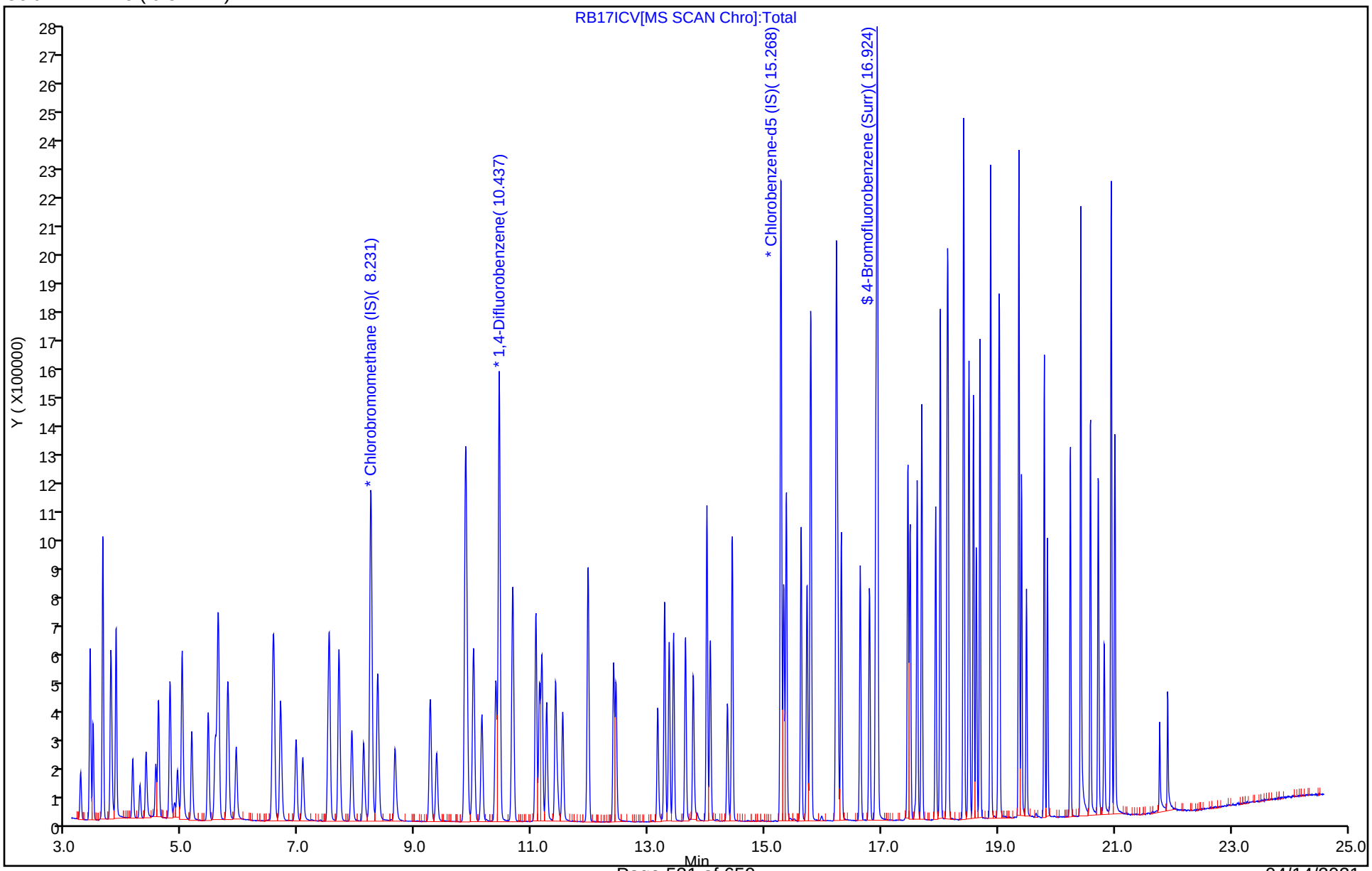
Report Date: 18-Feb-2021 15:49:34 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17ICV.D

Injection Date:	17-Feb-2021 22:33:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	ICV			Worklist Smp#:	17
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

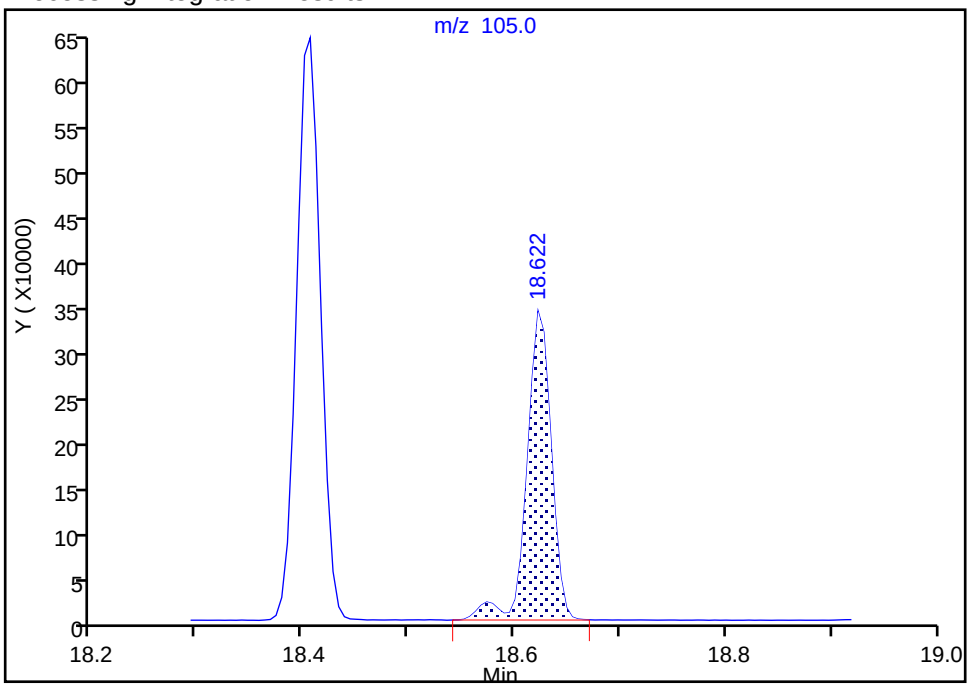
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Injection Date:	17-Feb-2021 22:33:30	Instrument ID:	MR		
Lims ID:	ICV				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	9	Worklist Smp#:	17
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

98 1,2,3-Trimethylbenzene, CAS: 526-73-8

Signal: 1

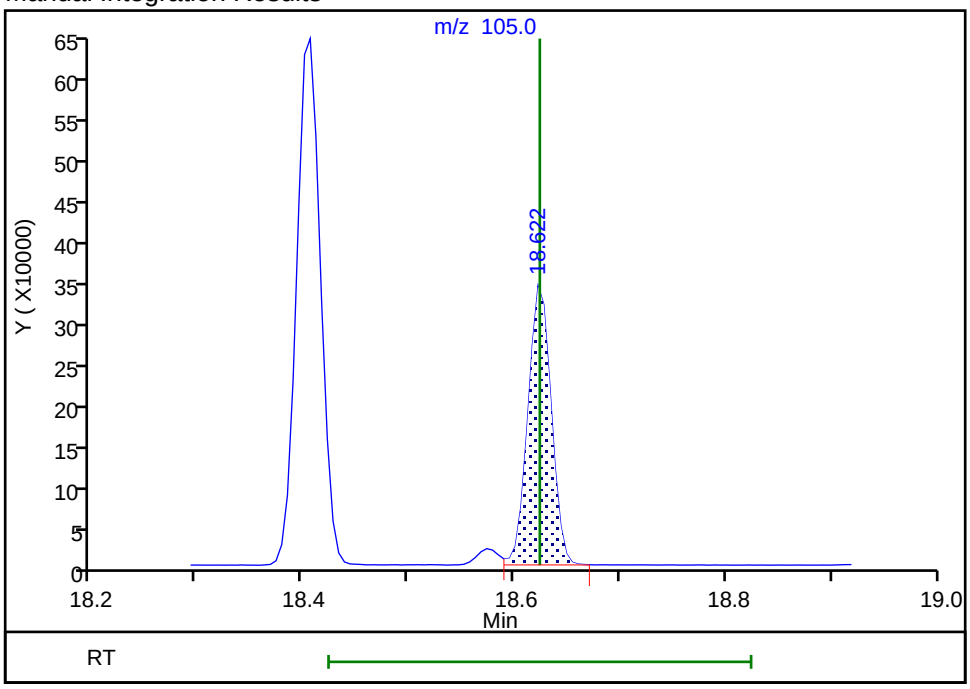
Processing Integration Results

RT: 18.62
Area: 550352
Amount: 1.306357
Amount Units: ppb v/v



Manual Integration Results

RT: 18.62
Area: 524218
Amount: 1.244323
Amount Units: ppb v/v



Reviewer: barlozhetskayaa, 18-Feb-2021 15:30:09

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab Sample ID: CCVIS 140-48621/2 Calibration Date: 04/10/2021 07:56

Instrument ID: MR Calib Start Date: 02/17/2021 11:25

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/17/2021 20:59

Lab File ID: RCCVD10.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	3.380	3.910		2.31	2.00	15.7	30.0
Propene	Ave	1.581	1.905		2.41	2.00	20.5	30.0
Dichlorodifluoromethane	Ave	2.234	2.797		2.50	2.00	25.2	30.0
Chloromethane	Ave	0.5842	0.6675		2.29	2.00	14.3	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.249	2.491		2.22	2.00	10.8	30.0
Acetaldehyde	Ave	0.6384	0.7534		11.8	10.0	18.0	30.0
Vinyl chloride	Ave	1.777	2.208		2.48	2.00	24.2	30.0
1,3-Butadiene	Ave	1.396	1.690		2.42	2.00	21.1	30.0
Butane	Ave	2.522	3.515		2.79	2.00	39.4*	30.0
Bromomethane	Ave	1.439	1.654		2.30	2.00	14.9	30.0
Chloroethane	Ave	0.7111	0.8685		2.44	2.00	22.1	30.0
Ethanol	Ave	0.5416	0.7335		13.5	10.0	35.4*	30.0
Vinyl bromide	Ave	1.290	1.608		2.49	2.00	24.7	30.0
2-Methylbutane	Ave	1.707	2.565		3.01	2.00	50.3*	30.0
Trichlorofluoromethane	Ave	3.807	4.397		2.31	2.00	15.5	30.0
Acrolein	Ave	0.4600	0.6214		2.70	2.00	35.1*	30.0
Acetonitrile	Ave	0.5056	0.6562		2.60	2.00	29.8	30.0
Acetone	Ave	0.8268	0.2980		2.16	6.00	-64.0*	30.0
Pentane	Ave	0.1953	0.2457		2.52	2.00	25.8	30.0
Isopropyl alcohol	Ave	2.285	1.187		3.12	6.00	-48.1*	30.0
Ethyl ether	Ave	1.707	2.471		2.89	2.00	44.7*	30.0
1,1-Dichloroethene	Ave	1.598	1.556		1.95	2.00	-2.6	30.0
Acrylonitrile	Ave	1.051	1.155		2.20	2.00	9.8	30.0
t-Butyl alcohol	Ave	3.053	3.663		2.40	2.00	20.0	30.0
1,1,2-Trichlorotrifluoroethane	Ave	3.283	3.435		2.09	2.00	4.6	30.0
Methylene Chloride	Ave	1.330	1.494		2.25	2.00	12.3	30.0
3-Chloropropene	Ave	1.436	1.850		2.58	2.00	28.8	30.0
Carbon disulfide	Ave	4.388	4.849		2.21	2.00	10.5	30.0
trans-1,2-Dichloroethene	Ave	1.392	1.495		2.15	2.00	7.4	30.0
2-Methylpentane	Ave	4.259	4.520		2.12	2.00	6.1	30.0
Methyl tert-butyl ether	Ave	4.087	4.561		2.23	2.00	11.6	30.0
1,1-Dichloroethane	Ave	3.405	3.553		2.09	2.00	4.4	30.0
Vinyl acetate	Ave	4.009	4.743		2.37	2.00	18.3	30.0
2-Butanone	Ave	0.7408	0.8002		2.16	2.00	8.0	30.0
Hexane	Ave	1.475	1.543		2.09	2.00	4.7	30.0
Isopropyl ether	Ave	6.268	7.401		2.36	2.00	18.1	30.0
cis-1,2-Dichloroethene	Ave	1.615	1.566		1.94	2.00	-3.0	30.0
Ethyl acetate	Ave	3.958	4.433		2.24	2.00	12.0	30.0
Chloroform	Ave	3.275	3.661		2.24	2.00	11.8	30.0
Tert-butyl ethyl ether	Ave	5.486	5.555		2.03	2.00	1.3	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab Sample ID: CCVIS 140-48621/2 Calibration Date: 04/10/2021 07:56

Instrument ID: MR Calib Start Date: 02/17/2021 11:25

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/17/2021 20:59

Lab File ID: RCCVD10.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	2.156	2.354		2.18	2.00	9.2	30.0
1,1,1-Trichloroethane	Ave	3.331	3.234		1.94	2.00	-2.9	30.0
1,2-Dichloroethane	Ave	0.4573	0.4744		2.07	2.00	3.7	30.0
1-Butanol	Ave	0.1311	0.1783		2.72	2.00	36.0*	30.0
Benzene	Ave	0.9044	1.016		2.25	2.00	12.4	30.0
Cyclohexane	Ave	0.1410	0.1547		2.19	2.00	9.7	30.0
Carbon tetrachloride	Ave	0.5832	0.5552		1.90	2.00	-4.8	30.0
2,3-Dimethylpentane	Ave	0.2109	0.2071		1.96	2.00	-1.8	30.0
Thiophene	Ave	0.5400	0.5040		1.87	2.00	-6.7	30.0
2,2,4-Trimethylpentane	Ave	1.797	1.837		2.04	2.00	2.2	30.0
Heptane	Ave	0.3250	0.3274		2.01	2.00	0.7	30.0
1,2-Dichloropropane	Ave	0.4440	0.4390		1.98	2.00	-1.1	30.0
Trichloroethene	Ave	0.3980	0.3324		1.67	2.00	-16.5	30.0
Dibromomethane	Ave	0.3579	0.3620		2.02	2.00	1.1	30.0
Bromodichloromethane	Ave	0.6346	0.6618		2.09	2.00	4.3	30.0
1,4-Dioxane	Ave	0.1378	0.1274		1.85	2.00	-7.6	30.0
Methyl methacrylate	Ave	0.4446	0.4962		2.23	2.00	11.6	30.0
Methylcyclohexane	Ave	0.5907	0.6709		2.27	2.00	13.6	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8452	0.9519		2.25	2.00	12.6	30.0
cis-1,3-Dichloropropene	Ave	0.4992	0.5140		2.06	2.00	3.0	30.0
trans-1,3-Dichloropropene	Ave	0.4819	0.4950		2.05	2.00	2.7	30.0
Toluene	Ave	1.315	1.278		1.94	2.00	-2.8	30.0
1,1,2-Trichloroethane	Ave	0.4173	0.4321		2.07	2.00	3.5	30.0
2-Hexanone	Ave	0.4708	0.4894		2.08	2.00	3.9	30.0
Octane	Ave	0.3891	0.3702		1.90	2.00	-4.9	30.0
Dibromochloromethane	Ave	0.7007	0.6548		1.87	2.00	-6.6	30.0
1,2-Dibromoethane	Ave	0.6636	0.6241		1.88	2.00	-5.9	30.0
Tetrachloroethene	Ave	0.4659	0.4046		1.74	2.00	-13.2	30.0
Chlorobenzene	Ave	0.9742	0.8801		1.81	2.00	-9.7	30.0
2,3-Dimethylheptane	Ave	1.447	1.497		2.07	2.00	3.5	30.0
Ethylbenzene	Ave	1.659	1.586		1.91	2.00	-4.4	30.0
m-Xylene & p-Xylene	Ave	1.281	1.286		4.02	4.00	0.4	30.0
Bromoform	Ave	0.6816	0.6088		1.79	2.00	-10.7	30.0
Nonane	Ave	0.8993	1.058		2.35	2.00	17.7	30.0
Styrene	Ave	0.8407	0.8705		2.07	2.00	3.5	30.0
o-Xylene	Ave	1.286	1.265		1.97	2.00	-1.6	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9810	1.054		2.15	2.00	7.4	30.0
1,2,3-Trichloropropane	Ave	0.2395	0.2202		1.84	2.00	-8.1	30.0
Isopropylbenzene	Ave	1.721	1.735		2.02	2.00	0.8	30.0
Propylbenzene	Ave	0.4825	0.4493		1.86	2.00	-6.9	30.0
2-Chlorotoluene	Ave	0.4217	0.4010		1.90	2.00	-4.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab Sample ID: CCVIS 140-48621/2 Calibration Date: 04/10/2021 07:56

Instrument ID: MR Calib Start Date: 02/17/2021 11:25

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/17/2021 20:59

Lab File ID: RCCVD10.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Ethyltoluene	Ave	1.717	1.558		1.81	2.00	-9.3	30.0
1,3,5-Trimethylbenzene	Ave	0.7181	0.7333		2.04	2.00	2.1	30.0
Alpha Methyl Styrene	Ave	0.6730	0.6289		1.87	2.00	-6.5	30.0
Decane	Ave	1.182	1.358		2.30	2.00	14.9	30.0
tert-Butylbenzene	Ave	1.440	1.403		1.95	2.00	-2.5	30.0
1,2,4-Trimethylbenzene	Ave	1.448	1.429		1.97	2.00	-1.3	30.0
sec-Butylbenzene	Ave	2.025	2.131		2.11	2.00	5.3	30.0
1,3-Dichlorobenzene	Ave	0.8874	0.8435		1.90	2.00	-5.0	30.0
Benzyl chloride	Ave	0.9490	1.087		2.29	2.00	14.6	30.0
1,4-Dichlorobenzene	Ave	0.8727	0.7812		1.79	2.00	-10.5	30.0
4-Isopropyltoluene	Ave	1.664	1.543		1.85	2.00	-7.3	30.0
1,2,3-Trimethylbenzene	Ave	1.530	1.032		1.35	2.00	-32.6*	30.0
Butylcyclohexane	Ave	1.243	1.255		2.02	2.00	1.0	30.0
1,2-Dichlorobenzene	Ave	0.8868	0.8049		1.82	2.00	-9.2	30.0
Indane	Ave	1.238	1.194		1.93	2.00	-3.6	30.0
Indene	Ave	1.004	0.8583		1.71	2.00	-14.5	30.0
Butylbenzene	Ave	1.616	1.889		2.34	2.00	16.9	30.0
Undecane	Ave	1.353	1.654		2.44	2.00	22.2	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.4184	0.3202		1.53	2.00	-23.5	30.0
1,2,4,5-Tetramethylbenzene	Ave	1.577	1.476		1.87	2.00	-6.4	30.0
Dodecane	Ave	1.383	1.666		2.41	2.00	20.4	30.0
1,2,4-Trichlorobenzene	Lin2		0.6745		1.85	2.00	-7.6	30.0
Naphthalene	QuaF		1.657		2.11	2.00	5.7	30.0
Hexachlorobutadiene	Ave	0.8699	0.6570		1.51	2.00	-24.5	30.0
1,2,3-Trichlorobenzene	Ave	0.7324	0.7011		1.91	2.00	-4.3	30.0
2-Methylnaphthalene	Ave	0.4154	0.1907			2.00	-54.1*	50.0
1-Methylnaphthalene	Ave	0.4843	0.4220		1.74	2.00	-12.9	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7003	0.7638		5.06	4.64	9.1	30.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RCCVD10.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 10-Apr-2021 07:56:30 ALS Bottle#: 7 Worklist Smp#: 2
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018816-002
Misc. Info.: S141 100ML
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Apr-2021 11:16:09 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: tajh Date: 12-Apr-2021 10:56:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.188	8.188	0.000	91	322235	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.393	10.393	0.000	97	1706610	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.241	15.241	0.000	92	1416197	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.896	16.896	0.000	85	1045592	4.64	5.06	
6 Chlorodifluoromethane	51	3.399	3.399	0.000	97	524920	2.00	2.31	
7 Propene	41	3.410	3.410	0.000	99	255739	2.00	2.41	
8 Dichlorodifluoromethane	85	3.453	3.453	0.000	99	375486	2.00	2.50	
9 Chloromethane	52	3.615	3.615	0.000	98	89624	2.00	2.29	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.620	3.620	0.000	93	334470	2.00	2.22	
11 Acetaldehyde	44	3.750	3.750	0.000	99	505758	10.0	11.8	
12 Vinyl chloride	62	3.766	3.766	0.000	99	296453	2.00	2.48	
14 Butadiene	54	3.842	3.842	0.000	63	226927	2.00	2.42	
13 Butane	43	3.842	3.842	0.000	86	471989	2.00	2.79	
15 Bromomethane	94	4.127	4.127	0.000	99	222057	2.00	2.30	
16 Chloroethane	64	4.251	4.251	0.000	94	116609	2.00	2.44	
17 Ethanol	31	4.348	4.348	0.000	96	492407	10.0	13.5	
18 Vinyl bromide	106	4.516	4.516	0.000	98	215910	2.00	2.49	
19 2-Methylbutane	43	4.564	4.564	0.000	94	344374	2.00	3.01	
20 Trichlorofluoromethane	101	4.758	4.758	0.000	99	590374	2.00	2.31	
21 Acrolein	56	4.774	4.774	0.000	93	83433	2.00	2.70	
22 Acetonitrile	40	4.834	4.834	0.000	99	88102	2.00	2.60	
23 Acetone	58	4.882	4.882	0.000	98	120036	6.00	2.16	
24 Pentane	72	4.963	4.963	0.000	96	32991	2.00	2.52	
25 Isopropyl alcohol	45	4.969	4.969	0.000	92	478102	6.00	3.12	
26 Ethyl ether	31	5.125	5.125	0.000	91	331774	2.00	2.89	
27 1,1-Dichloroethene	96	5.411	5.411	0.000	93	208917	2.00	1.95	
28 Acrylonitrile	53	5.513	5.513	0.000	94	155037	2.00	2.20	
29 2-Methyl-2-propanol	59	5.529	5.529	0.000	97	491795	2.00	2.40	
30 112TCTFE	101	5.583	5.583	0.000	91	461222	2.00	2.09	
31 Methylene Chloride	84	5.740	5.740	0.000	95	200550	2.00	2.25	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.756	5.756	0.000	95	248419	2.00	2.58	
33 Carbon disulfide	76	5.891	5.891	0.000	100	651014	2.00	2.21	
34 trans-1,2-Dichloroethene	96	6.505	6.505	0.000	94	200784	2.00	2.15	
35 2-Methylpentane	43	6.532	6.532	0.000	96	606856	2.00	2.12	
36 Methyl tert-butyl ether	73	6.640	6.640	0.000	96	612318	2.00	2.23	
37 1,1-Dichloroethane	63	6.910	6.910	0.000	99	477053	2.00	2.09	
38 Vinyl acetate	43	7.023	7.023	0.000	100	636770	2.00	2.37	
39 2-Butanone (MEK)	72	7.454	7.454	0.000	96	107435	2.00	2.16	
40 Hexane	56	7.481	7.481	0.000	89	207189	2.00	2.09	
41 Isopropyl ether	45	7.638	7.638	0.000	96	993649	2.00	2.36	
42 cis-1,2-Dichloroethene	96	7.864	7.864	0.000	98	210201	2.00	1.94	
43 Ethyl acetate	43	8.064	8.064	0.000	98	595194	2.00	2.24	
44 Chloroform	83	8.204	8.204	0.000	96	491594	2.00	2.24	
45 Tert-butyl ethyl ether	59	8.306	8.306	0.000	97	745897	2.00	2.03	
46 Tetrahydrofuran	42	8.598	8.598	0.000	93	316093	2.00	2.18	
47 1,1,1-Trichloroethane	97	9.207	9.207	0.000	94	434199	2.00	1.94	
48 1,2-Dichloroethane	62	9.315	9.315	0.000	96	337348	2.00	2.07	
49 n-Butanol	31	9.811	9.811	0.000	68	126785	2.00	2.72	
50 Cyclohexane	69	9.811	9.811	0.000	78	110020	2.00	2.19	
51 Benzene	78	9.811	9.811	0.000	96	722704	2.00	2.25	
52 Carbon tetrachloride	117	9.832	9.832	0.000	92	394785	2.00	1.90	
53 2,3-Dimethylpentane	71	9.951	9.951	0.000	93	147288	2.00	1.96	
54 Thiophene	84	10.091	10.091	0.000	97	358417	2.00	1.87	
55 Isooctane	57	10.625	10.625	0.000	97	1306492	2.00	2.04	
56 n-Heptane	71	11.030	11.030	0.000	95	232804	2.00	2.01	
57 1,2-Dichloropropane	63	11.083	11.083	0.000	92	312200	2.00	1.98	
58 Trichloroethene	130	11.132	11.132	0.000	91	236397	2.00	1.67	
59 Dibromomethane	93	11.202	11.202	0.000	87	257417	2.00	2.02	
60 Dichlorobromomethane	83	11.364	11.364	0.000	96	470590	2.00	2.09	
61 1,4-Dioxane	88	11.391	11.391	0.000	95	90569	2.00	1.85	
62 Methyl methacrylate	41	11.482	11.482	0.000	88	352809	2.00	2.23	
63 Methylcyclohexane	83	11.919	11.919	0.000	89	477075	2.00	2.27	
64 4-Methyl-2-pentanone (MIBK)	43	12.356	12.356	0.000	97	676908	2.00	2.25	
65 cis-1,3-Dichloropropene	75	12.399	12.399	0.000	99	365467	2.00	2.06	
66 trans-1,3-Dichloropropene	75	13.122	13.122	0.000	94	292091	2.00	2.05	
67 Toluene	91	13.240	13.240	0.000	93	754342	2.00	1.94	
68 1,1,2-Trichloroethane	83	13.316	13.316	0.000	94	254948	2.00	2.07	
69 2-Hexanone	58	13.726	13.726	0.000	90	288779	2.00	2.08	
70 n-Octane	85	13.968	13.968	0.000	98	218442	2.00	1.90	
71 Chlorodibromomethane	129	14.028	14.028	0.000	95	386377	2.00	1.87	
72 Ethylene Dibromide	107	14.319	14.319	0.000	97	368290	2.00	1.88	
73 Tetrachloroethene	129	14.400	14.400	0.000	90	238722	2.00	1.74	
74 Chlorobenzene	112	15.290	15.290	0.000	89	519321	2.00	1.81	
75 2,3-Dimethylheptane	43	15.333	15.333	0.000	93	883347	2.00	2.07	
76 Ethylbenzene	91	15.586	15.586	0.000	99	935699	2.00	1.91	
77 m-Xylene & p-Xylene	91	15.753	15.753	0.000	98	1517665	4.00	4.02	
79 Bromoform	173	16.185	16.185	0.000	91	359263	2.00	1.79	
78 n-Nonane	57	16.195	16.195	0.000	95	624541	2.00	2.35	
80 Styrene	104	16.217	16.217	0.000	97	513665	2.00	2.07	
81 o-Xylene	91	16.276	16.276	0.000	98	746730	2.00	1.97	
82 1,1,2,2-Tetrachloroethane	83	16.600	16.600	0.000	98	621821	2.00	2.15	
83 1,2,3-Trichloropropane	110	16.762	16.762	0.000	95	129919	2.00	1.84	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	16.875	16.875	0.000	97	1023684	2.00	2.02	
85 N-Propylbenzene	120	17.425	17.425	0.000	98	265140	2.00	1.86	
86 2-Chlorotoluene	126	17.463	17.463	0.000	97	236604	2.00	1.90	
87 4-Ethyltoluene	105	17.581	17.581	0.000	98	919136	2.00	1.81	
88 1,3,5-Trimethylbenzene	120	17.662	17.662	0.000	91	432731	2.00	2.04	
89 Alpha Methyl Styrene	118	17.899	17.899	0.000	86	371128	2.00	1.87	
90 n-Decane	57	17.980	17.980	0.000	87	801280	2.00	2.30	
91 tert-Butylbenzene	119	18.099	18.099	0.000	88	828139	2.00	1.95	
92 1,2,4-Trimethylbenzene	105	18.115	18.115	0.000	97	843290	2.00	1.97	
93 sec-Butylbenzene	105	18.379	18.379	0.000	98	1257548	2.00	2.11	
94 1,3-Dichlorobenzene	146	18.385	18.385	0.000	97	497710	2.00	1.90	
95 Benzyl chloride	91	18.466	18.466	0.000	96	641654	2.00	2.29	
96 1,4-Dichlorobenzene	146	18.476	18.476	0.000	93	460998	2.00	1.79	
97 4-Isopropyltoluene	119	18.552	18.552	0.000	96	910534	2.00	1.85	
98 1,2,3-Trimethylbenzene	105	18.595	18.595	0.000	99	609015	2.00	1.35	
99 Butylcyclohexane	83	18.665	18.665	0.000	89	740288	2.00	2.02	
101 1,2-Dichlorobenzene	146	18.843	18.843	0.000	89	474977	2.00	1.82	
100 2,3-Dihydroindene	117	18.848	18.848	0.000	94	704308	2.00	1.93	
102 Indene	116	18.978	18.978	0.000	89	506460	2.00	1.71	
103 n-Butylbenzene	91	18.994	18.994	0.000	96	1114682	2.00	2.34	
104 Undecane	57	19.334	19.334	0.000	93	975730	2.00	2.44	
105 1,2-Dibromo-3-Chloropropane	157	19.463	19.463	0.000	86	188970	2.00	1.53	
106 1,2,4,5-Tetramethylbenzene	119	19.771	19.771	0.000	95	870820	2.00	1.87	
107 Dodecane	57	20.396	20.396	0.000	91	982853	2.00	2.41	
108 1,2,4-Trichlorobenzene	180	20.558	20.558	0.000	93	398026	2.00	1.85	
109 Naphthalene	128	20.693	20.693	0.000	98	977930	2.00	2.11	
110 Hexachlorobutadiene	225	20.919	20.919	0.000	91	387671	2.00	1.51	
111 1,2,3-Trichlorobenzene	180	20.978	20.978	0.000	93	413735	2.00	1.91	
112 2-Methylnaphthalene	142	21.755	21.755	0.000	98	112546	2.00	0.9183	
113 1-Methylnaphthalene	142	21.890	21.890	0.000	98	249047	2.00	1.74	
A 116 C8 Range	1	13.974	(13.920-14.017)		0	4280061	2.00	3.48	
S 117 Xylenes, Total	100				0		6.00	5.98	
S 118 1,2-Dichloroethene, Total	1				0		4.00	4.09	

QC Flag Legend

Processing Flags

Reagents:

40CV101P_00138	Amount Added: 100.00	Units: ml	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

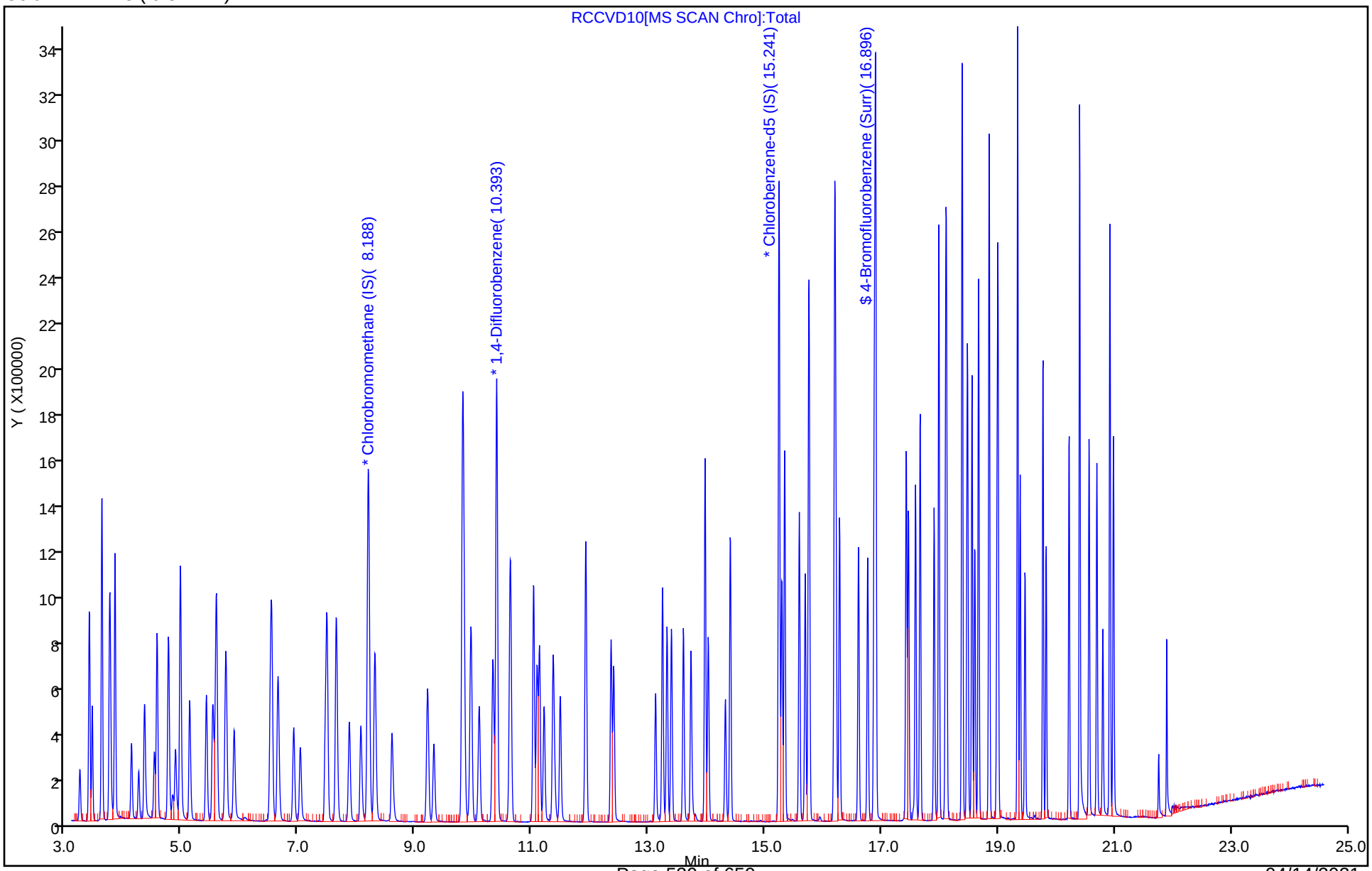
Report Date: 12-Apr-2021 11:16:10 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RCCVD10.D

Injection Date:	10-Apr-2021 07:56:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab Sample ID: CCVIS 140-48724/2 Calibration Date: 04/13/2021 10:55

Instrument ID: MR Calib Start Date: 02/17/2021 11:25

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/17/2021 20:59

Lab File ID: RCCVD13A.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	3.380	3.372		2.00	2.00	-0.2	30.0
Propene	Ave	1.581	1.489		1.88	2.00	-5.8	30.0
Dichlorodifluoromethane	Ave	2.234	3.065		2.74	2.00	37.2*	30.0
Chloromethane	Ave	0.5842	0.6426		2.20	2.00	10.0	30.0
1,2-Dichlorotetrafluoroethane	Ave	2.249	2.850		2.53	2.00	26.7	30.0
Acetaldehyde	Ave	0.6384	0.6360		9.96	10.0	-0.4	30.0
Vinyl chloride	Ave	1.777	2.091		2.35	2.00	17.7	30.0
1,3-Butadiene	Ave	1.396	1.585		2.27	2.00	13.6	30.0
Butane	Ave	2.522	2.515		1.99	2.00	-0.3	30.0
Bromomethane	Ave	1.439	1.710		2.38	2.00	18.9	30.0
Chloroethane	Ave	0.7111	0.8458		2.38	2.00	18.9	30.0
Ethanol	Ave	0.5416	0.5012		9.25	10.0	-7.5	30.0
Vinyl bromide	Ave	1.290	1.564		2.43	2.00	21.3	30.0
2-Methylbutane	Ave	1.707	1.761		2.06	2.00	3.2	30.0
Trichlorofluoromethane	Ave	3.807	5.144		2.70	2.00	35.1*	30.0
Acrolein	Ave	0.4600	0.5302		2.31	2.00	15.3	30.0
Acetonitrile	Ave	0.5056	0.5101		2.02	2.00	0.9	30.0
Acetone	Ave	0.8268	0.9360		6.79	6.00	13.2	30.0
Pentane	Ave	0.1953	0.2709		2.77	2.00	38.7*	30.0
Isopropyl alcohol	Ave	2.285	2.375		6.24	6.00	3.9	30.0
Ethyl ether	Ave	1.707	1.545		1.81	2.00	-9.5	30.0
1,1-Dichloroethene	Ave	1.598	1.809		2.26	2.00	13.2	30.0
Acrylonitrile	Ave	1.051	1.059		2.01	2.00	0.7	30.0
t-Butyl alcohol	Ave	3.053	3.767		2.47	2.00	23.4	30.0
1,1,2-Trichlorotrifluoroethane	Ave	3.283	3.871		2.36	2.00	17.9	30.0
Methylene Chloride	Ave	1.330	1.654		2.49	2.00	24.3	30.0
3-Chloropropene	Ave	1.436	1.111		1.55	2.00	-22.6	30.0
Carbon disulfide	Ave	4.388	5.238		2.39	2.00	19.4	30.0
trans-1,2-Dichloroethene	Ave	1.392	1.657		2.38	2.00	19.0	30.0
2-Methylpentane	Ave	4.259	4.121		1.94	2.00	-3.2	30.0
Methyl tert-butyl ether	Ave	4.087	5.078		2.48	2.00	24.2	30.0
1,1-Dichloroethane	Ave	3.405	3.833		2.25	2.00	12.6	30.0
Vinyl acetate	Ave	4.009	4.001		2.00	2.00	-0.2	30.0
2-Butanone	Ave	0.7408	0.8705		2.35	2.00	17.5	30.0
Hexane	Ave	1.475	1.578		2.14	2.00	7.0	30.0
Isopropyl ether	Ave	6.268	6.179		1.97	2.00	-1.4	30.0
cis-1,2-Dichloroethene	Ave	1.615	1.766		2.19	2.00	9.4	30.0
Ethyl acetate	Ave	3.958	3.874		1.96	2.00	-2.1	30.0
Chloroform	Ave	3.275	3.963		2.42	2.00	21.0	30.0
Tert-butyl ethyl ether	Ave	5.486	6.306		2.30	2.00	15.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab Sample ID: CCVIS 140-48724/2 Calibration Date: 04/13/2021 10:55

Instrument ID: MR Calib Start Date: 02/17/2021 11:25

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/17/2021 20:59

Lab File ID: RCCVD13A.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	2.156	1.947		1.81	2.00	-9.7	30.0
1,1,1-Trichloroethane	Ave	3.331	3.742		2.25	2.00	12.3	30.0
1,2-Dichloroethane	Ave	0.4573	0.5047		2.21	2.00	10.4	30.0
1-Butanol	Ave	0.1311	0.1090		1.66	2.00	-16.9	30.0
Benzene	Ave	0.9044	1.056		2.34	2.00	16.8	30.0
Cyclohexane	Ave	0.1410	0.1640		2.33	2.00	16.3	30.0
Carbon tetrachloride	Ave	0.5832	0.5847		2.01	2.00	0.3	30.0
2,3-Dimethylpentane	Ave	0.2109	0.2348		2.23	2.00	11.3	30.0
Thiophene	Ave	0.5400	0.5793		2.15	2.00	7.3	30.0
2,2,4-Trimethylpentane	Ave	1.797	1.886		2.10	2.00	4.9	30.0
Heptane	Ave	0.3250	0.3589		2.21	2.00	10.4	30.0
1,2-Dichloropropane	Ave	0.4440	0.4602		2.07	2.00	3.6	30.0
Trichloroethene	Ave	0.3980	0.3674		1.85	2.00	-7.7	30.0
Dibromomethane	Ave	0.3579	0.4102		2.29	2.00	14.6	30.0
Bromodichloromethane	Ave	0.6346	0.7291		2.30	2.00	14.9	30.0
1,4-Dioxane	Ave	0.1378	0.1440		2.09	2.00	4.5	30.0
Methyl methacrylate	Ave	0.4446	0.4063		1.83	2.00	-8.6	30.0
Methylcyclohexane	Ave	0.5907	0.6145		2.08	2.00	4.0	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8452	0.7873		1.86	2.00	-6.8	30.0
cis-1,3-Dichloropropene	Ave	0.4992	0.5591		2.24	2.00	12.0	30.0
trans-1,3-Dichloropropene	Ave	0.4819	0.5380		2.23	2.00	11.6	30.0
Toluene	Ave	1.315	1.375		2.09	2.00	4.6	30.0
1,1,2-Trichloroethane	Ave	0.4173	0.4640		2.22	2.00	11.2	30.0
2-Hexanone	Ave	0.4708	0.5087		2.16	2.00	8.0	30.0
Octane	Ave	0.3891	0.3998		2.06	2.00	2.8	30.0
Dibromochloromethane	Ave	0.7007	0.6842		1.95	2.00	-2.4	30.0
1,2-Dibromoethane	Ave	0.6636	0.7079		2.13	2.00	6.7	30.0
Tetrachloroethene	Ave	0.4659	0.4480		1.92	2.00	-3.8	30.0
Chlorobenzene	Ave	0.9742	0.9456		1.94	2.00	-2.9	30.0
2,3-Dimethylheptane	Ave	1.447	1.295		1.79	2.00	-10.5	30.0
Ethylbenzene	Ave	1.659	1.707		2.06	2.00	2.9	30.0
m-Xylene & p-Xylene	Ave	1.281	1.317		4.11	4.00	2.8	30.0
Bromoform	Ave	0.6816	0.5647		1.66	2.00	-17.2	30.0
Nonane	Ave	0.8993	0.9869		2.19	2.00	9.7	30.0
Styrene	Ave	0.8407	0.9251		2.20	2.00	10.0	30.0
o-Xylene	Ave	1.286	1.341		2.08	2.00	4.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9810	1.112		2.27	2.00	13.4	30.0
1,2,3-Trichloropropane	Ave	0.2395	0.2442		2.04	2.00	2.0	30.0
Isopropylbenzene	Ave	1.721	1.775		2.06	2.00	3.1	30.0
Propylbenzene	Ave	0.4825	0.4787		1.98	2.00	-0.8	30.0
2-Chlorotoluene	Ave	0.4217	0.4251		2.02	2.00	0.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab Sample ID: CCVIS 140-48724/2 Calibration Date: 04/13/2021 10:55

Instrument ID: MR Calib Start Date: 02/17/2021 11:25

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/17/2021 20:59

Lab File ID: RCCVD13A.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Ethyltoluene	Ave	1.717	1.760		2.05	2.00	2.5	30.0
1,3,5-Trimethylbenzene	Ave	0.7181	0.6916		1.93	2.00	-3.7	30.0
Alpha Methyl Styrene	Ave	0.6730	0.6762		2.01	2.00	0.5	30.0
Decane	Ave	1.182	1.247		2.11	2.00	5.6	30.0
tert-Butylbenzene	Ave	1.440	1.440		2.00	2.00	0.0	30.0
1,2,4-Trimethylbenzene	Ave	1.448	1.456		2.01	2.00	0.5	30.0
sec-Butylbenzene	Ave	2.025	2.141		2.11	2.00	5.7	30.0
1,3-Dichlorobenzene	Ave	0.8874	0.9203		2.07	2.00	3.7	30.0
Benzyl chloride	Ave	0.9490	1.090		2.30	2.00	14.8	30.0
1,4-Dichlorobenzene	Ave	0.8727	0.8787		2.01	2.00	0.7	30.0
4-Isopropyltoluene	Ave	1.664	1.655		1.99	2.00	-0.6	30.0
1,2,3-Trimethylbenzene	Ave	1.530	1.417		1.85	2.00	-7.4	30.0
Butylcyclohexane	Ave	1.243	1.275		2.05	2.00	2.6	30.0
1,2-Dichlorobenzene	Ave	0.8868	0.8754		1.97	2.00	-1.3	30.0
Indane	Ave	1.238	1.242		2.01	2.00	0.3	30.0
Indene	Ave	1.004	1.046		2.08	2.00	4.2	30.0
Butylbenzene	Ave	1.616	1.824		2.26	2.00	12.9	30.0
Undecane	Ave	1.353	1.478		2.18	2.00	9.2	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.4184	0.4131		1.97	2.00	-1.3	30.0
1,2,4,5-Tetramethylbenzene	Ave	1.577	1.668		2.12	2.00	5.8	30.0
Dodecane	Ave	1.383	1.474		2.13	2.00	6.6	30.0
1,2,4-Trichlorobenzene	Lin2		0.7485		2.05	2.00	2.5	30.0
Naphthalene	QuaF		1.744		2.23	2.00	11.7	30.0
Hexachlorobutadiene	Ave	0.8699	0.7877		1.81	2.00	-9.4	30.0
1,2,3-Trichlorobenzene	Ave	0.7324	0.7682		2.10	2.00	4.9	30.0
2-Methylnaphthalene	Ave	0.4154	0.2501		1.20	2.00	-39.8	50.0
1-Methylnaphthalene	Ave	0.4843	0.3592		1.48	2.00	-25.8	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7003	0.7223		4.79	4.64	3.1	30.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210412-18858.b\RCCVD13A.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 13-Apr-2021 10:55:30 ALS Bottle#: 7 Worklist Smp#: 2
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018858-002
Misc. Info.: P136 100ML
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20210412-18858.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Apr-2021 10:00:45 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: tajh Date: 14-Apr-2021 08:35:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.183	8.183	0.000	96	411863	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.388	10.388	0.000	96	2159410	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.231	15.231	0.000	89	1828922	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.891	16.891	0.000	89	1277066	4.64	4.79	
6 Chlorodifluoromethane	51	3.394	3.394	0.000	96	578661	2.00	2.00	
7 Propene	41	3.405	3.405	0.000	98	255560	2.00	1.88	
8 Dichlorodifluoromethane	85	3.454	3.454	0.000	100	526040	2.00	2.74	
9 Chloromethane	52	3.615	3.615	0.000	99	110284	2.00	2.20	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.621	3.621	0.000	93	489059	2.00	2.53	
11 Acetaldehyde	44	3.750	3.750	0.000	88	545756	10.0	9.96	
12 Vinyl chloride	62	3.766	3.766	0.000	98	358903	2.00	2.35	
14 Butadiene	54	3.842	3.842	0.000	69	271996	2.00	2.27	
13 Butane	43	3.842	3.842	0.000	85	431591	2.00	1.99	
15 Bromomethane	94	4.122	4.122	0.000	98	293527	2.00	2.38	
16 Chloroethane	64	4.246	4.246	0.000	94	145141	2.00	2.38	
17 Ethanol	31	4.349	4.349	0.000	87	430011	10.0	9.25	
18 Vinyl bromide	106	4.516	4.516	0.000	98	268427	2.00	2.43	
19 2-Methylbutane	43	4.564	4.564	0.000	89	302238	2.00	2.06	
20 Trichlorofluoromethane	101	4.759	4.759	0.000	99	882726	2.00	2.70	
21 Acrolein	56	4.769	4.769	0.000	90	90984	2.00	2.31	
22 Acetonitrile	40	4.834	4.834	0.000	100	87530	2.00	2.02	
23 Acetone	58	4.872	4.872	0.000	95	481854	6.00	6.79	
24 Pentane	72	4.958	4.958	0.000	96	46484	2.00	2.77	
25 Isopropyl alcohol	45	4.963	4.963	0.000	93	1222619	6.00	6.24	
26 Ethyl ether	31	5.114	5.114	0.000	90	265067	2.00	1.81	
27 1,1-Dichloroethene	96	5.406	5.406	0.000	95	310466	2.00	2.26	
28 Acrylonitrile	53	5.514	5.514	0.000	95	181731	2.00	2.01	
29 2-Methyl-2-propanol	59	5.519	5.519	0.000	92	646538	2.00	2.47	
30 112TCTFE	101	5.578	5.578	0.000	94	664311	2.00	2.36	
31 Methylene Chloride	84	5.735	5.735	0.000	96	283799	2.00	2.49	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.751	5.751	0.000	96	190671	2.00	1.55	
33 Carbon disulfide	76	5.886	5.886	0.000	97	898967	2.00	2.39	
34 trans-1,2-Dichloroethene	96	6.506	6.506	0.000	95	284375	2.00	2.38	
35 2-Methylpentane	43	6.527	6.527	0.000	94	707276	2.00	1.94	
36 Methyl tert-butyl ether	73	6.635	6.635	0.000	97	871348	2.00	2.48	
37 1,1-Dichloroethane	63	6.905	6.905	0.000	99	657733	2.00	2.25	
38 Vinyl acetate	43	7.018	7.018	0.000	100	686628	2.00	2.00	
39 2-Butanone (MEK)	72	7.444	7.444	0.000	97	149394	2.00	2.35	
40 Hexane	56	7.476	7.476	0.000	90	270786	2.00	2.14	
41 Isopropyl ether	45	7.633	7.633	0.000	97	1060322	2.00	1.97	
42 cis-1,2-Dichloroethene	96	7.859	7.859	0.000	98	303050	2.00	2.19	
43 Ethyl acetate	43	8.053	8.053	0.000	99	664810	2.00	1.96	
44 Chloroform	83	8.199	8.199	0.000	97	680056	2.00	2.42	
45 Tert-butyl ethyl ether	59	8.296	8.296	0.000	94	1082235	2.00	2.30	
46 Tetrahydrofuran	42	8.587	8.587	0.000	93	334040	2.00	1.81	
47 1,1,1-Trichloroethane	97	9.202	9.202	0.000	97	642145	2.00	2.25	
48 1,2-Dichloroethane	62	9.310	9.310	0.000	97	454085	2.00	2.21	
49 n-Butanol	31	9.795	9.795	0.000	64	98090	2.00	1.66	
51 Benzene	78	9.800	9.800	0.000	96	950529	2.00	2.34	
50 Cyclohexane	69	9.806	9.806	0.000	75	147560	2.00	2.33	
52 Carbon tetrachloride	117	9.827	9.827	0.000	96	526082	2.00	2.01	
53 2,3-Dimethylpentane	71	9.941	9.941	0.000	89	211291	2.00	2.23	
54 Thiophene	84	10.086	10.086	0.000	97	521246	2.00	2.15	
55 Isooctane	57	10.620	10.620	0.000	98	1696581	2.00	2.10	
56 n-Heptane	71	11.019	11.019	0.000	89	322901	2.00	2.21	
57 1,2-Dichloropropane	63	11.078	11.078	0.000	97	414049	2.00	2.07	
58 Trichloroethene	130	11.122	11.122	0.000	90	330574	2.00	1.85	
59 Dibromomethane	93	11.197	11.197	0.000	90	369094	2.00	2.29	
60 Dichlorobromomethane	83	11.353	11.353	0.000	98	655972	2.00	2.30	
61 1,4-Dioxane	88	11.380	11.380	0.000	86	129584	2.00	2.09	
62 Methyl methacrylate	41	11.477	11.477	0.000	97	365550	2.00	1.83	
63 Methylcyclohexane	83	11.914	11.914	0.000	95	552916	2.00	2.08	
64 4-Methyl-2-pentanone (MIBK)	43	12.351	12.351	0.000	95	708373	2.00	1.86	
65 cis-1,3-Dichloropropene	75	12.394	12.394	0.000	92	503040	2.00	2.24	
66 trans-1,3-Dichloropropene	75	13.117	13.117	0.000	97	409990	2.00	2.23	
67 Toluene	91	13.235	13.235	0.000	93	1048110	2.00	2.09	
68 1,1,2-Trichloroethane	83	13.311	13.311	0.000	96	353555	2.00	2.22	
69 2-Hexanone	58	13.721	13.721	0.000	94	387638	2.00	2.16	
70 n-Octane	85	13.963	13.963	0.000	92	304645	2.00	2.06	
71 Chlorodibromomethane	129	14.017	14.017	0.000	97	521377	2.00	1.95	
72 Ethylene Dibromide	107	14.308	14.308	0.000	98	539446	2.00	2.13	
73 Tetrachloroethene	129	14.395	14.395	0.000	94	341432	2.00	1.92	
74 Chlorobenzene	112	15.279	15.279	0.000	92	720565	2.00	1.94	
75 2,3-Dimethylheptane	43	15.328	15.328	0.000	96	986783	2.00	1.79	
76 Ethylbenzene	91	15.581	15.581	0.000	98	1301004	2.00	2.06	
77 m-Xylene & p-Xylene	91	15.748	15.748	0.000	98	2006962	4.00	4.11	
79 Bromoform	173	16.180	16.180	0.000	94	430306	2.00	1.66	
78 n-Nonane	57	16.196	16.196	0.000	89	752047	2.00	2.19	
80 Styrene	104	16.212	16.212	0.000	99	704985	2.00	2.20	
81 o-Xylene	91	16.271	16.271	0.000	99	1021761	2.00	2.08	
82 1,1,2,2-Tetrachloroethane	83	16.595	16.595	0.000	98	847449	2.00	2.27	
83 1,2,3-Trichloropropane	110	16.757	16.757	0.000	98	186104	2.00	2.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	16.864	16.864	0.000	97	1352349	2.00	2.06	
85 N-Propylbenzene	120	17.420	17.420	0.000	99	364777	2.00	1.98	
86 2-Chlorotoluene	126	17.452	17.452	0.000	97	323954	2.00	2.02	
87 4-Ethyltoluene	105	17.576	17.576	0.000	98	1341268	2.00	2.05	
88 1,3,5-Trimethylbenzene	120	17.657	17.657	0.000	92	527042	2.00	1.93	
89 Alpha Methyl Styrene	118	17.894	17.894	0.000	88	515306	2.00	2.01	
90 n-Decane	57	17.975	17.975	0.000	88	950489	2.00	2.11	
91 tert-Butylbenzene	119	18.094	18.094	0.000	90	1097725	2.00	2.00	
92 1,2,4-Trimethylbenzene	105	18.110	18.110	0.000	96	1109295	2.00	2.01	
93 sec-Butylbenzene	105	18.374	18.374	0.000	98	1631660	2.00	2.11	
94 1,3-Dichlorobenzene	146	18.380	18.380	0.000	97	701299	2.00	2.07	
95 Benzyl chloride	91	18.461	18.461	0.000	97	830481	2.00	2.30	
96 1,4-Dichlorobenzene	146	18.471	18.471	0.000	96	669628	2.00	2.01	
97 4-Isopropyltoluene	119	18.547	18.547	0.000	97	1261130	2.00	1.99	
98 1,2,3-Trimethylbenzene	105	18.595	18.595	0.000	99	1079732	2.00	1.85	
99 Butylcyclohexane	83	18.660	18.660	0.000	95	971742	2.00	2.05	
101 1,2-Dichlorobenzene	146	18.838	18.838	0.000	93	667108	2.00	1.97	
100 2,3-Dihydroindene	117	18.843	18.843	0.000	94	946118	2.00	2.01	
102 Indene	116	18.973	18.973	0.000	89	797210	2.00	2.08	
103 n-Butylbenzene	91	18.994	18.994	0.000	96	1390035	2.00	2.26	
104 Undecane	57	19.329	19.329	0.000	93	1126206	2.00	2.18	
105 1,2-Dibromo-3-Chloropropane	157	19.458	19.458	0.000	95	314800	2.00	1.97	
106 1,2,4,5-Tetramethylbenzene	119	19.766	19.766	0.000	96	1270842	2.00	2.12	
107 Dodecane	57	20.391	20.391	0.000	96	1122921	2.00	2.13	
108 1,2,4-Trichlorobenzene	180	20.558	20.558	0.000	93	570419	2.00	2.05	
109 Naphthalene	128	20.688	20.688	0.000	99	1328790	2.00	2.23	
110 Hexachlorobutadiene	225	20.914	20.914	0.000	95	600289	2.00	1.81	
111 1,2,3-Trichlorobenzene	180	20.973	20.973	0.000	95	585395	2.00	2.10	
112 2-Methylnaphthalene	142	21.750	21.750	0.000	97	190601	2.00	1.20	
113 1-Methylnaphthalene	142	21.890	21.890	0.000	97	273721	2.00	1.48	
A 116 C8 Range	1	13.950	(13.915-14.012)		0	3111860	2.00	2.00	
S 117 Xylenes, Total	100				0		6.00	6.20	
S 118 1,2-Dichloroethene, Total	1				0		4.00	4.57	

QC Flag Legend

Processing Flags

Reagents:

40CV101P_00137	Amount Added: 100.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

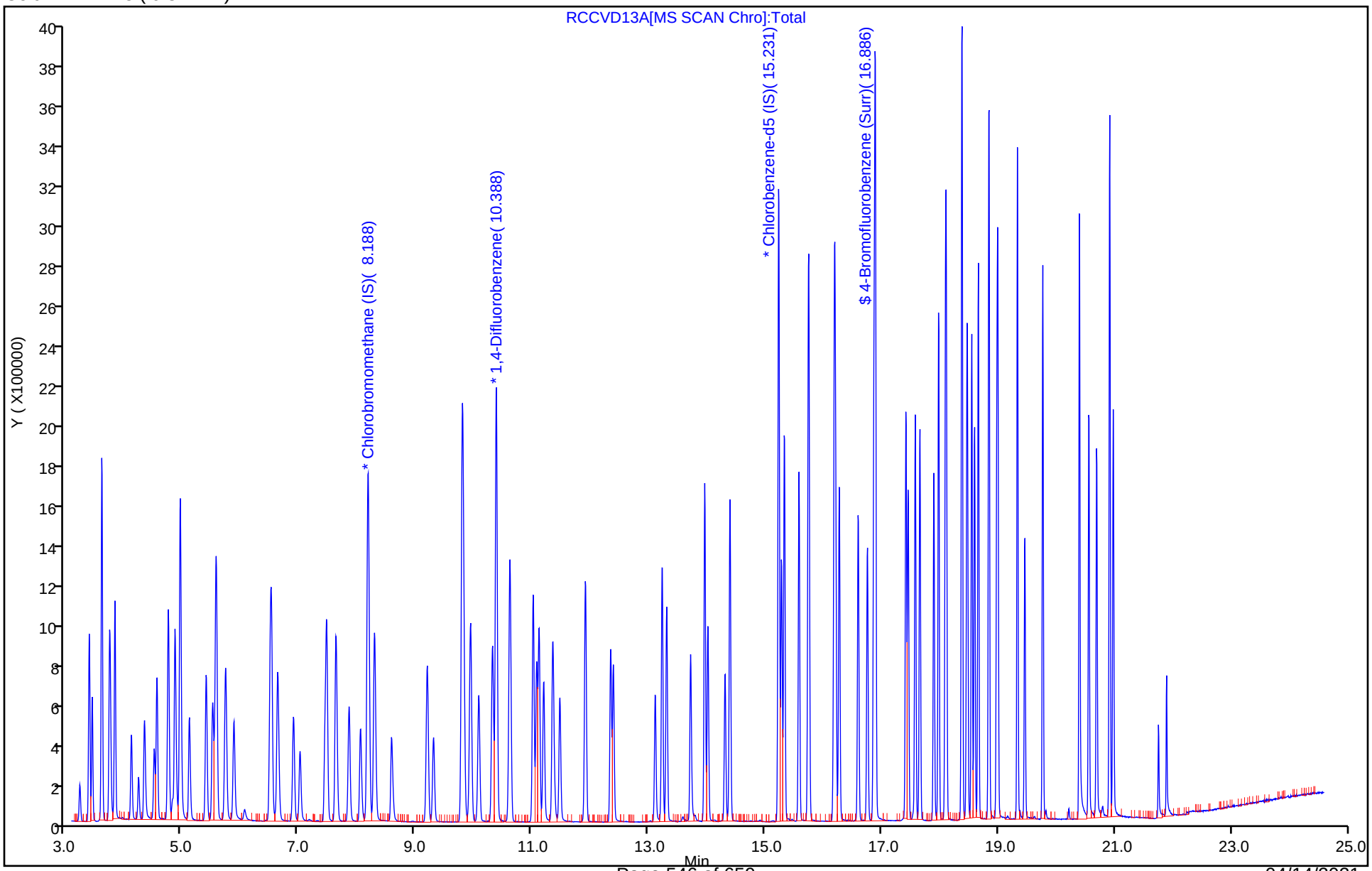
Report Date: 14-Apr-2021 10:00:46 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210412-18858.b\RCCVD13A.D

Injection Date:	13-Apr-2021 10:55:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab Sample ID: ICV 140-47156/18 Calibration Date: 02/23/2021 00:29

Instrument ID: MS Calib Start Date: 02/22/2021 12:57

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/22/2021 22:12

Lab File ID: SB22LCS.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	2.643	2.889		1.75	1.60	9.3	35.0
Propene	Ave	1.319	1.402		1.70	1.60	6.3	35.0
Dichlorodifluoromethane	Ave	3.867	4.336		1.79	1.60	12.1	35.0
Chloromethane	Ave	0.4078	0.4001		1.57	1.60	-1.9	35.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	Ave	2.097	2.313		1.76	1.60	10.3	35.0
Acetaldehyde	Ave	0.5093	0.4561		7.16	8.00	-10.4	35.0
Vinyl chloride	Ave	1.171	1.246		1.70	1.60	6.4	35.0
1,3-Butadiene	Ave	0.9249	0.9890		1.71	1.60	6.9	35.0
Butane	Ave	1.725	1.844		1.71	1.60	6.9	35.0
Bromomethane	Ave	1.067	1.065		1.60	1.60	-0.2	35.0
Chloroethane	Ave	0.4599	0.4612		1.60	1.60	0.3	35.0
Ethanol	Lin2		0.3719		6.29	8.00	-21.4	35.0
Vinyl bromide	Ave	1.428	1.573		1.76	1.60	10.1	35.0
2-Methylbutane	Ave	2.008	2.219		1.77	1.60	10.5	35.0
Trichlorofluoromethane	Ave	3.685	4.050		1.76	1.60	9.9	35.0
Acrolein	Ave	0.5094	0.6573		2.06	1.60	29.0	35.0
Acetonitrile	Ave	0.7542	0.7536		1.60	1.60	-0.0	35.0
Acetone	Ave	0.8844	0.8256			1.60	-6.7	35.0
Isopropyl alcohol	Ave	2.189	2.827		2.07	1.60	29.2	35.0
Pentane	Ave	0.1771	0.2025		1.83	1.60	14.4	35.0
Ethyl ether	Ave	1.993	2.229		1.79	1.60	11.9	35.0
1,1-Dichloroethene	Ave	1.469	1.631		1.78	1.60	11.0	35.0
tert-Butyl alcohol	Ave	2.456	2.732		1.78	1.60	11.3	35.0
Acrylonitrile	Ave	1.243	1.398		1.80	1.60	12.5	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	3.100	3.485		1.80	1.60	12.4	35.0
Methylene Chloride	Ave	1.452	1.567		1.73	1.60	8.0	35.0
3-Chloropropene	Ave	1.442	1.426		1.58	1.60	-1.1	35.0
Carbon disulfide	Ave	4.788	4.981		1.66	1.60	4.0	35.0
trans-1,2-Dichloroethene	Ave	1.480	1.618		1.75	1.60	9.3	35.0
2-Methylpentane	Ave	3.953	3.952		1.60	1.60	-0.0	35.0
Methyl tert-butyl ether	Ave	3.721	4.134		1.78	1.60	11.1	35.0
1,1-Dichloroethane	Ave	3.081	3.395		1.76	1.60	10.2	35.0
Vinyl acetate	Ave	3.855	4.262		1.77	1.60	10.5	35.0
2-Butanone (MEK)	Ave	0.7987	0.8090		1.62	1.60	1.3	35.0
Hexane	Ave	1.277	1.399		1.75	1.60	9.5	35.0
Isopropyl ether	Ave	5.732	6.457		1.80	1.60	12.7	35.0
cis-1,2-Dichloroethene	Ave	1.613	1.758		1.74	1.60	9.0	35.0
Ethyl acetate	Ave	3.854	3.997		1.66	1.60	3.7	35.0
Chloroform	Ave	3.364	3.632		1.73	1.60	8.0	35.0
Tert-butyl ethyl ether	Ave	4.802	5.017		1.67	1.60	4.5	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab Sample ID: ICV 140-47156/18 Calibration Date: 02/23/2021 00:29

Instrument ID: MS Calib Start Date: 02/22/2021 12:57

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/22/2021 22:12

Lab File ID: SB22LCS.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	1.952	2.127		1.74	1.60	9.0	35.0
1,1,1-Trichloroethane	Ave	3.123	3.383		1.73	1.60	8.3	35.0
1,2-Dichloroethane	Ave	0.4404	0.4879		1.77	1.60	10.8	35.0
1-Butanol	Ave	0.1497	0.1589		1.70	1.60	6.1	35.0
Benzene	Ave	0.9938	1.113		1.79	1.60	12.0	35.0
Cyclohexane	Ave	0.1522	0.1724		1.81	1.60	13.3	35.0
Carbon tetrachloride	Ave	0.5300	0.6798		2.05	1.60	28.3	35.0
2,3-Dimethylpentane	Ave	0.2079	0.2237		1.72	1.60	7.6	35.0
Thiophene	Ave	0.5470	0.5912		1.73	1.60	8.1	35.0
2,2,4-Trimethylpentane	Ave	1.677	1.895		1.81	1.60	13.0	35.0
Heptane	Ave	0.3137	0.3533		1.80	1.60	12.6	35.0
1,2-Dichloropropane	Ave	0.4216	0.4719		1.79	1.60	11.9	35.0
Trichloroethene	Ave	0.3818	0.4155		1.74	1.60	8.8	35.0
Dibromomethane	Ave	0.3852	0.4371		1.82	1.60	13.5	35.0
1,4-Dioxane	Ave	0.1461	0.1564		1.71	1.60	7.1	35.0
Bromodichloromethane	Ave	0.6425	0.7276		1.81	1.60	13.2	35.0
Methyl methacrylate	Ave	0.4598	0.5089		1.77	1.60	10.7	35.0
Methylcyclohexane	Ave	0.5825	0.7784		2.14	1.60	33.6	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8483	0.9415		1.78	1.60	11.0	35.0
cis-1,3-Dichloropropene	Ave	0.5280	0.6081		1.84	1.60	15.2	35.0
trans-1,3-Dichloropropene	Ave	0.5355	0.6173		1.84	1.60	15.3	35.0
Toluene	Ave	1.381	1.525		1.77	1.60	10.4	35.0
1,1,2-Trichloroethane	Ave	0.4419	0.4843		1.75	1.60	9.6	35.0
2-Hexanone	Ave	0.4546	0.5313		1.87	1.60	16.9	35.0
Octane	Ave	0.3554	0.4126		1.86	1.60	16.1	35.0
Dibromochloromethane	Ave	0.6641	0.7835		1.89	1.60	18.0	35.0
1,2-Dibromoethane (EDB)	Ave	0.7018	0.7855		1.79	1.60	11.9	35.0
Tetrachloroethene	Ave	0.4743	0.5045		1.70	1.60	6.4	35.0
2,3-Dimethylheptane	Ave	1.396	1.425		1.63	1.60	2.1	35.0
Chlorobenzene	Ave	0.9603	1.083		1.80	1.60	12.8	35.0
Ethylbenzene	Ave	1.750	1.951		1.78	1.60	11.5	35.0
m-Xylene & p-Xylene	Ave	1.369	1.562		3.65	3.20	14.0	35.0
Nonane	Ave	0.9529	1.102		1.85	1.60	15.7	35.0
Bromoform	Ave	0.5762	0.6466		1.80	1.60	12.2	35.0
Styrene	Ave	0.9228	1.097		1.90	1.60	18.9	35.0
o-Xylene	Ave	1.461	1.632		1.79	1.60	11.7	35.0
1,1,2,2-Tetrachloroethane	Ave	1.089	1.254		1.84	1.60	15.1	35.0
1,2,3-Trichloropropane	Ave	0.2177	0.2525		1.86	1.60	16.0	35.0
Isopropylbenzene	Ave	1.857	2.153		1.85	1.60	15.9	35.0
Propylbenzene	Ave	0.4918	0.5803		1.89	1.60	18.0	35.0
2-Chlorotoluene	Ave	0.4606	0.5295		1.84	1.60	15.0	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab Sample ID: ICV 140-47156/18 Calibration Date: 02/23/2021 00:29

Instrument ID: MS Calib Start Date: 02/22/2021 12:57

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/22/2021 22:12

Lab File ID: SB22LCS.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Ethyltoluene	Ave	1.899	2.085		1.76	1.60	9.8	35.0
1,3,5-Trimethylbenzene	Ave	0.7248	0.9303		2.05	1.60	28.4	35.0
Alpha Methyl Styrene	Ave	0.7211	0.8744		1.94	1.60	21.3	35.0
Decane	Ave	1.265	1.490		1.88	1.60	17.8	35.0
tert-Butylbenzene	Ave	1.602	1.852		1.85	1.60	15.6	35.0
1,2,4-Trimethylbenzene	Ave	1.617	1.888		1.87	1.60	16.7	35.0
sec-Butylbenzene	Ave	2.339	2.728		1.87	1.60	16.6	35.0
1,3-Dichlorobenzene	Ave	0.9580	1.105		1.85	1.60	15.3	35.0
Benzyl chloride	Ave	1.099	1.418		2.06	1.60	29.0	35.0
1,4-Dichlorobenzene	Ave	0.9437	1.090		1.85	1.60	15.5	35.0
4-Isopropyltoluene	Ave	1.843	2.115		1.84	1.60	14.8	35.0
1,2,3-Trimethylbenzene	Lin1		1.403		1.44	1.60	-9.8	35.0
Butylcyclohexane	Ave	1.407	1.506		1.71	1.60	7.0	35.0
Indane	Ave	1.482	1.701		1.84	1.60	14.7	35.0
1,2-Dichlorobenzene	Ave	0.9404	1.095		1.86	1.60	16.5	35.0
Butylbenzene	Ave	2.040	2.414		1.89	1.60	18.3	35.0
Indene	Ave	1.232	1.265		1.64	1.60	2.7	35.0
Undecane	Ave	1.442	1.765		1.96	1.60	22.4	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.4081	0.3771		1.48	1.60	-7.6	35.0
1,2,4,5-Tetramethylbenzene	Ave	1.881	1.966		1.67	1.60	4.5	35.0
Dodecane	Ave	1.479	1.914		2.07	1.60	29.4	35.0
1,2,4-Trichlorobenzene	Ave	0.6969	0.8514		1.95	1.60	22.2	35.0
Naphthalene	Ave	1.963	2.266		1.85	1.60	15.4	35.0
Hexachlorobutadiene	Ave	0.6298	0.7268		1.85	1.60	15.4	35.0
1,2,3-Trichlorobenzene	Ave	0.5691	0.6848		1.93	1.60	20.3	35.0
2-Methylnaphthalene	Ave	0.2828	0.3411		1.93	1.60	20.6	50.0
1-Methylnaphthalene	Ave	0.3880	0.3968		1.64	1.60	2.2	50.0
4-Bromofluorobenzene (Surr)	Ave	0.8356	0.8409		4.67	4.64	0.6	35.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22LCS.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 23-Feb-2021 00:29:30 ALS Bottle#: 19 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018286-018
Misc. Info.: S138 80ML
Operator ID: HMT Instrument ID: MS
Sublist:

Method: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 23-Feb-2021 08:43:39 Calib Date: 22-Feb-2021 22:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: tajh Date: 23-Feb-2021 06:58:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.244	9.244	0.000	97	199310	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.423	11.428	-0.005	95	991782	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.092	16.098	-0.006	89	858330	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.739	17.738	0.001	85	697718	4.64	4.67	
6 Chlorodifluoromethane	51	3.800	3.805	-0.005	97	191928	1.60	1.75	
7 Propene	41	3.811	3.816	-0.005	99	93124	1.60	1.70	
8 Dichlorodifluoromethane	85	3.870	3.870	0.000	100	288093	1.60	1.79	
9 Chloromethane	52	4.064	4.069	-0.005	98	26579	1.60	1.57	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.069	4.074	-0.005	92	153672	1.60	1.76	
11 Acetaldehyde	44	4.230	4.236	-0.006	97	151511	8.00	7.16	
12 Vinyl chloride	62	4.252	4.257	-0.005	99	82770	1.60	1.70	
13 Butadiene	54	4.349	4.349	0.000	68	65706	1.60	1.71	
14 Butane	43	4.349	4.349	0.000	85	122481	1.60	1.71	
15 Bromomethane	94	4.698	4.698	0.000	99	70760	1.60	1.60	
16 Chloroethane	64	4.849	4.854	-0.005	91	30641	1.60	1.60	
17 Ethanol	31	4.935	4.940	-0.005	94	123535	8.00	6.29	
18 Vinyl bromide	106	5.177	5.182	-0.005	98	104488	1.60	1.76	
19 2-Methylbutane	43	5.231	5.236	-0.005	94	147445	1.60	1.77	
20 Trichlorofluoromethane	101	5.468	5.473	-0.005	100	269047	1.60	1.76	
21 Acrolein	56	5.473	5.484	-0.011	93	43666	1.60	2.06	
22 Acetonitrile	40	5.543	5.548	-0.005	98	50068	1.60	1.60	
23 Acetone	58	5.597	5.591	0.006	97	54849	1.60	1.49	
24 Isopropyl alcohol	45	5.672	5.672	0.000	98	187826	1.60	2.07	
25 Pentane	72	5.699	5.710	-0.011	96	13453	1.60	1.83	
26 Ethyl ether	31	5.871	5.876	-0.005	93	148116	1.60	1.79	
27 1,1-Dichloroethene	96	6.221	6.226	-0.005	95	108339	1.60	1.78	
29 2-Methyl-2-propanol	59	6.302	6.307	-0.005	95	181536	1.60	1.78	
28 Acrylonitrile	53	6.328	6.334	-0.006	94	92863	1.60	1.80	
30 112TCTFE	101	6.409	6.409	0.000	94	231554	1.60	1.80	
31 Methylene Chloride	84	6.592	6.597	-0.005	98	104126	1.60	1.73	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.608	6.613	-0.005	93	94720	1.60	1.58	
33 Carbon disulfide	76	6.770	6.769	0.001	98	330945	1.60	1.66	
34 trans-1,2-Dichloroethene	96	7.442	7.447	-0.005	95	107489	1.60	1.75	
35 2-Methylpentane	43	7.458	7.458	0.000	96	262540	1.60	1.60	
36 Methyl tert-butyl ether	73	7.555	7.560	-0.005	96	274655	1.60	1.78	
37 1,1-Dichloroethane	63	7.883	7.888	-0.005	99	225525	1.60	1.76	
38 Vinyl acetate	43	7.980	7.985	-0.005	100	283124	1.60	1.77	
39 2-Butanone (MEK)	72	8.432	8.442	-0.010	99	53748	1.60	1.62	
40 Hexane	56	8.475	8.480	-0.005	94	92919	1.60	1.75	
41 Isopropyl ether	45	8.626	8.625	0.001	98	428993	1.60	1.80	
42 cis-1,2-Dichloroethene	96	8.900	8.905	-0.005	98	116806	1.60	1.74	
43 Ethyl acetate	43	9.067	9.072	-0.005	99	265549	1.60	1.66	
44 Chloroform	83	9.255	9.255	0.000	94	241303	1.60	1.73	
45 Tert-butyl ethyl ether	59	9.320	9.319	0.001	97	333307	1.60	1.67	
46 Tetrahydrofuran	42	9.642	9.648	-0.006	94	141326	1.60	1.74	
47 1,1,1-Trichloroethane	97	10.304	10.309	-0.005	97	224738	1.60	1.73	
48 1,2-Dichloroethane	62	10.417	10.422	-0.005	97	161291	1.60	1.77	
49 n-Butanol	31	10.810	10.815	-0.005	90	52536	1.60	1.70	
50 Cyclohexane	69	10.901	10.901	0.000	67	56984	1.60	1.81	
51 Benzene	78	10.896	10.901	-0.005	96	367902	1.60	1.79	
52 Carbon tetrachloride	117	10.917	10.922	-0.005	97	224751	1.60	2.05	
53 2,3-Dimethylpentane	71	11.009	11.009	0.000	94	73968	1.60	1.72	
54 Thiophene	84	11.170	11.170	0.000	98	195451	1.60	1.73	
55 Isooctane	57	11.638	11.638	0.000	98	626447	1.60	1.81	
56 n-Heptane	71	11.999	12.004	-0.005	94	116810	1.60	1.80	
57 1,2-Dichloropropane	63	12.095	12.101	-0.006	95	156004	1.60	1.79	
58 Trichloroethene	130	12.128	12.133	-0.005	94	137347	1.60	1.74	
59 Dibromomethane	93	12.219	12.219	0.000	92	144511	1.60	1.82	
61 1,4-Dioxane	88	12.354	12.353	0.001	94	51704	1.60	1.71	
60 Dichlorobromomethane	83	12.359	12.359	0.000	99	240529	1.60	1.81	
62 Methyl methacrylate	41	12.429	12.429	0.000	93	168234	1.60	1.77	
63 Methylcyclohexane	83	12.886	12.891	-0.005	95	257336	1.60	2.14	
64 4-Methyl-2-pentanone (MIBK)	43	13.263	13.263	0.000	97	311245	1.60	1.78	
65 cis-1,3-Dichloropropene	75	13.338	13.338	0.000	95	201030	1.60	1.84	
66 trans-1,3-Dichloropropene	75	14.021	14.021	0.000	99	176609	1.60	1.84	
67 Toluene	91	14.150	14.150	0.000	93	436374	1.60	1.77	
68 1,1,2-Trichloroethane	83	14.226	14.226	0.000	95	138568	1.60	1.75	
69 2-Hexanone	58	14.581	14.581	0.000	92	152017	1.60	1.87	
70 n-Octane	85	14.807	14.812	-0.005	96	118063	1.60	1.86	
71 Chlorodibromomethane	129	14.920	14.919	0.001	98	224159	1.60	1.89	
72 Ethylene Dibromide	107	15.210	15.210	0.000	99	224736	1.60	1.79	
73 Tetrachloroethene	129	15.275	15.280	-0.005	92	144353	1.60	1.70	
74 2,3-Dimethylheptane	43	16.141	16.141	0.000	94	407770	1.60	1.63	
75 Chlorobenzene	112	16.141	16.141	0.000	84	309946	1.60	1.80	
76 Ethylbenzene	91	16.421	16.420	0.001	99	558280	1.60	1.78	
77 m-Xylene & p-Xylene	91	16.582	16.582	0.000	99	893579	3.20	3.65	
78 n-Nonane	57	16.985	16.985	0.000	95	315326	1.60	1.85	
79 Bromoform	173	17.045	17.044	0.001	94	185005	1.60	1.80	
80 Styrene	104	17.050	17.050	0.000	99	313904	1.60	1.90	
81 o-Xylene	91	17.109	17.114	-0.005	98	466794	1.60	1.79	
82 1,1,2,2-Tetrachloroethane	83	17.437	17.443	-0.005	98	358753	1.60	1.84	
83 1,2,3-Trichloropropane	110	17.604	17.604	0.000	97	72235	1.60	1.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.701	17.706	-0.005	95	615890	1.60	1.85	
85 N-Propylbenzene	120	18.233	18.233	0.000	98	166036	1.60	1.89	
86 2-Chlorotoluene	126	18.282	18.287	-0.005	97	151486	1.60	1.84	
87 4-Ethyltoluene	105	18.379	18.384	-0.005	99	596491	1.60	1.76	
88 1,3,5-Trimethylbenzene	120	18.454	18.454	0.000	91	266171	1.60	2.05	
89 Alpha Methyl Styrene	118	18.680	18.680	0.000	87	250187	1.60	1.94	
90 n-Decane	57	18.723	18.723	0.000	87	426378	1.60	1.88	
91 tert-Butylbenzene	119	18.874	18.873	0.001	89	529995	1.60	1.85	
92 1,2,4-Trimethylbenzene	105	18.884	18.890	-0.006	96	540087	1.60	1.87	
93 sec-Butylbenzene	105	19.137	19.137	0.000	98	780400	1.60	1.87	
94 1,3-Dichlorobenzene	146	19.159	19.164	-0.005	99	316101	1.60	1.85	
95 Benzyl chloride	91	19.234	19.234	0.000	97	405844	1.60	2.06	
96 1,4-Dichlorobenzene	146	19.245	19.245	0.000	92	311848	1.60	1.85	
97 4-Isopropyltoluene	119	19.299	19.298	0.001	97	605237	1.60	1.84	
98 1,2,3-Trimethylbenzene	105	19.352	19.358	-0.006	99	401523	1.60	1.44	
99 Butylcyclohexane	83	19.401	19.406	-0.005	93	430786	1.60	1.71	
100 2,3-Dihydroindene	117	19.600	19.600	0.000	93	486538	1.60	1.84	
101 1,2-Dichlorobenzene	146	19.605	19.605	0.000	95	313412	1.60	1.86	
103 Indene	116	19.729	19.729	0.000	89	362069	1.60	1.64	
102 n-Butylbenzene	91	19.724	19.729	-0.005	96	690687	1.60	1.89	
104 Undecane	57	20.019	20.019	0.000	96	505108	1.60	1.96	
105 1,2-Dibromo-3-Chloropropane	157	20.202	20.202	0.000	92	107894	1.60	1.48	
106 1,2,4,5-Tetramethylbenzene	119	20.482	20.482	0.000	95	562550	1.60	1.67	
107 Dodecane	57	21.095	21.101	-0.006	95	547698	1.60	2.07	
108 1,2,4-Trichlorobenzene	180	21.332	21.332	0.000	94	243597	1.60	1.95	
109 Naphthalene	128	21.477	21.477	0.000	99	648344	1.60	1.85	
110 Hexachlorobutadiene	225	21.666	21.665	0.001	95	207949	1.60	1.85	
111 1,2,3-Trichlorobenzene	180	21.730	21.730	0.000	96	195933	1.60	1.93	
112 2-Methylnaphthalene	142	22.279	22.279	0.000	99	97592	1.60	1.93	
113 1-Methylnaphthalene	142	22.403	22.402	0.001	98	113520	1.60	1.64	
A 115 C8 Range	1	14.807	(14.763-14.860)		0	1260055	1.60	1.82	
S 116 Xylenes, Total	100				0		4.80	5.44	
S 117 1,2-Dichloroethene, Total	1				0		3.20	3.49	
T 141 2-Methylthiophene TIC	97	14.220	14.226	-0.006	10	144811	1.60	0.8098	
T 142 3-Methylthiophene TIC	97	14.301	14.285	0.016	97	335331	1.60	1.88	
T 149 1,2-Dimethyl-4-Ethylbenzene TIC	119	20.095	20.089	0.006	97	458914	1.60	2.57	
T 150 1,2,3,5-Tetramethylbenzene TIC	119	20.536	20.541	-0.005	93	342953	1.60	1.92	
T 151 1,2,3,4-Tetramethylbenzene TIC	119	20.950	20.955	-0.005	95	464052	1.60	2.60	
T 152 Benzo(b)thiophene TIC	134	21.580	21.579	0.000	99	286111	1.60	1.60	

QC Flag Legend

Processing Flags

Reagents:

40CV101S_00138	Amount Added: 80.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

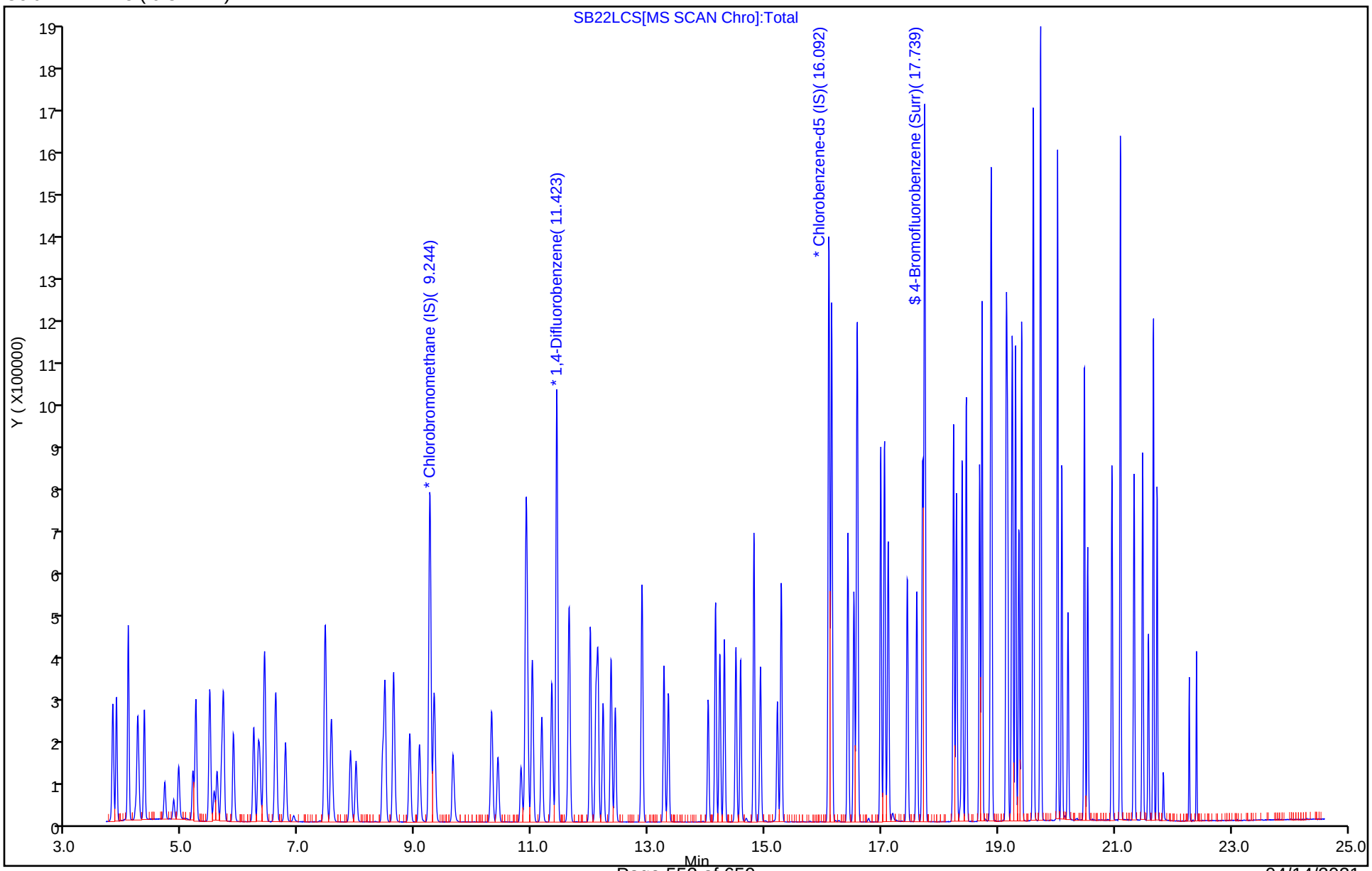
Report Date: 23-Feb-2021 08:43:42 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22LCS.D

Injection Date:	23-Feb-2021 00:29:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	ICV			Worklist Smp#:	18
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab Sample ID: CCVIS 140-48707/2 Calibration Date: 04/12/2021 08:30

Instrument ID: MS Calib Start Date: 02/22/2021 12:57

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/22/2021 22:12

Lab File ID: SCCVD12.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	2.643	2.848		2.16	2.00	7.8	30.0
Propene	Ave	1.319	1.151		1.75	2.00	-12.7	30.0
Dichlorodifluoromethane	Ave	3.867	5.216		2.70	2.00	34.9*	30.0
Chloromethane	Ave	0.4078	0.2785		1.37	2.00	-31.7*	30.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	Ave	2.097	2.813		2.68	2.00	34.1*	30.0
Acetaldehyde	Ave	0.5093	0.3142		6.17	10.0	-38.3*	30.0
Vinyl chloride	Ave	1.171	1.022		1.75	2.00	-12.7	30.0
Butane	Ave	1.725	1.155		1.34	2.00	-33.0*	30.0
1,3-Butadiene	Ave	0.9249	0.6904		1.49	2.00	-25.4	30.0
Bromomethane	Ave	1.067	1.134		2.13	2.00	6.3	30.0
Chloroethane	Ave	0.4599	0.3629		1.58	2.00	-21.1	30.0
Ethanol	Lin2		0.3036		6.42	10.0	-35.8*	30.0
Vinyl bromide	Ave	1.428	1.328		1.86	2.00	-7.0	30.0
2-Methylbutane	Ave	2.008	1.639		1.63	2.00	-18.4	30.0
Trichlorofluoromethane	Ave	3.685	5.271		2.86	2.00	43.0*	30.0
Acrolein	Ave	0.5094	0.4829		1.90	2.00	-5.2	30.0
Acetonitrile	Ave	0.7542	0.6189		1.64	2.00	-17.9	30.0
Acetone	Ave	0.8844	0.6994		4.75	6.00	-20.9	30.0
Isopropyl alcohol	Ave	2.189	2.103		5.77	6.00	-3.9	30.0
Pentane	Ave	0.1771	0.1565		1.77	2.00	-11.6	30.0
Ethyl ether	Ave	1.993	1.373		1.38	2.00	-31.1*	30.0
1,1-Dichloroethene	Ave	1.469	1.311		1.79	2.00	-10.7	30.0
tert-Butyl alcohol	Ave	2.456	2.829		2.30	2.00	15.2	30.0
Acrylonitrile	Ave	1.243	1.088		1.75	2.00	-12.5	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	3.100	3.380		2.18	2.00	9.0	30.0
Methylene Chloride	Ave	1.452	1.265		1.74	2.00	-12.9	30.0
3-Chloropropene	Ave	1.442	1.255		1.74	2.00	-12.9	30.0
Carbon disulfide	Ave	4.788	3.868		1.62	2.00	-19.2	30.0
trans-1,2-Dichloroethene	Ave	1.480	1.300		1.76	2.00	-12.2	30.0
2-Methylpentane	Ave	3.953	3.155		1.60	2.00	-20.2	30.0
Methyl tert-butyl ether	Ave	3.721	3.794		2.04	2.00	2.0	30.0
1,1-Dichloroethane	Ave	3.081	2.984		1.94	2.00	-3.1	30.0
Vinyl acetate	Ave	3.855	2.979		1.55	2.00	-22.7	30.0
2-Butanone (MEK)	Ave	0.7987	0.5741		1.44	2.00	-28.1	30.0
Hexane	Ave	1.277	1.096		1.72	2.00	-14.2	30.0
Isopropyl ether	Ave	5.732	4.691		1.64	2.00	-18.2	30.0
cis-1,2-Dichloroethene	Ave	1.613	1.351		1.67	2.00	-16.3	30.0
Ethyl acetate	Ave	3.854	3.215		1.67	2.00	-16.6	30.0
Chloroform	Ave	3.364	3.684		2.19	2.00	9.5	30.0
Tert-butyl ethyl ether	Ave	4.802	4.715		1.96	2.00	-1.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab Sample ID: CCVIS 140-48707/2 Calibration Date: 04/12/2021 08:30

Instrument ID: MS Calib Start Date: 02/22/2021 12:57

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/22/2021 22:12

Lab File ID: SCCVD12.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	1.952	1.457		1.49	2.00	-25.4	30.0
1,1,1-Trichloroethane	Ave	3.123	3.983		2.55	2.00	27.5	30.0
1,2-Dichloroethane	Ave	0.4404	0.5729		2.60	2.00	30.1*	30.0
1-Butanol	Ave	0.1497	0.0968		1.29	2.00	-35.3*	30.0
Benzene	Ave	0.9938	0.8472		1.70	2.00	-14.8	30.0
Cyclohexane	Ave	0.1522	0.1209		1.59	2.00	-20.6	30.0
Carbon tetrachloride	Ave	0.5300	0.9283		3.50	2.00	75.2*	30.0
2,3-Dimethylpentane	Ave	0.2079	0.1679		1.62	2.00	-19.2	30.0
Thiophene	Ave	0.5470	0.4885		1.79	2.00	-10.7	30.0
2,2,4-Trimethylpentane	Ave	1.677	1.455		1.73	2.00	-13.3	30.0
Heptane	Ave	0.3137	0.2449		1.56	2.00	-21.9	30.0
1,2-Dichloropropane	Ave	0.4216	0.3743		1.78	2.00	-11.2	30.0
Trichloroethene	Ave	0.3818	0.3856		2.02	2.00	1.0	30.0
Dibromomethane	Ave	0.3852	0.4318		2.24	2.00	12.1	30.0
1,4-Dioxane	Ave	0.1461	0.1308		1.79	2.00	-10.4	30.0
Bromodichloromethane	Ave	0.6425	0.8064		2.51	2.00	25.5	30.0
Methyl methacrylate	Ave	0.4598	0.4201		1.83	2.00	-8.6	30.0
Methylcyclohexane	Ave	0.5825	0.4713		1.62	2.00	-19.1	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8483	0.7152		1.69	2.00	-15.7	30.0
cis-1,3-Dichloropropene	Ave	0.5280	0.5267		1.99	2.00	-0.3	30.0
trans-1,3-Dichloropropene	Ave	0.5355	0.5768		2.15	2.00	7.7	30.0
Toluene	Ave	1.381	1.254		1.82	2.00	-9.2	30.0
1,1,2-Trichloroethane	Ave	0.4419	0.4177		1.89	2.00	-5.5	30.0
2-Hexanone	Ave	0.4546	0.3846		1.69	2.00	-15.4	30.0
Octane	Ave	0.3554	0.3206		1.80	2.00	-9.8	30.0
Dibromochloromethane	Ave	0.6641	0.9634		2.90	2.00	45.1*	30.0
1,2-Dibromoethane (EDB)	Ave	0.7018	0.7605		2.17	2.00	8.4	30.0
Tetrachloroethene	Ave	0.4743	0.5400		2.28	2.00	13.8	30.0
2,3-Dimethylheptane	Ave	1.396	1.277		1.83	2.00	-8.5	30.0
Chlorobenzene	Ave	0.9603	1.016		2.12	2.00	5.8	30.0
Ethylbenzene	Ave	1.750	1.728		1.97	2.00	-1.3	30.0
m-Xylene & p-Xylene	Ave	1.369	1.467		4.28	4.00	7.1	30.0
Nonane	Ave	0.9529	0.8816		1.85	2.00	-7.5	30.0
Bromoform	Ave	0.5762	0.9338		3.24	2.00	62.1*	30.0
Styrene	Ave	0.9228	0.9839		2.13	2.00	6.6	30.0
o-Xylene	Ave	1.461	1.607		2.20	2.00	10.1	30.0
1,1,2,2-Tetrachloroethane	Ave	1.089	1.092		2.01	2.00	0.3	30.0
1,2,3-Trichloropropane	Ave	0.2177	0.2933		2.69	2.00	34.7*	30.0
Isopropylbenzene	Ave	1.857	2.012		2.17	2.00	8.4	30.0
Propylbenzene	Ave	0.4918	0.5141		2.09	2.00	4.5	30.0
2-Chlorotoluene	Ave	0.4606	0.5241		2.28	2.00	13.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Lab Sample ID: CCVIS 140-48707/2 Calibration Date: 04/12/2021 08:30

Instrument ID: MS Calib Start Date: 02/22/2021 12:57

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/22/2021 22:12

Lab File ID: SCCVD12.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Ethyltoluene	Ave	1.899	2.165		2.28	2.00	14.0	30.0
1,3,5-Trimethylbenzene	Ave	0.7248	0.8022		2.21	2.00	10.7	30.0
Alpha Methyl Styrene	Ave	0.7211	0.8265		2.29	2.00	14.6	30.0
Decane	Ave	1.265	1.332		2.11	2.00	5.3	30.0
tert-Butylbenzene	Ave	1.602	1.956		2.44	2.00	22.1	30.0
1,2,4-Trimethylbenzene	Ave	1.617	2.018		2.50	2.00	24.8	30.0
sec-Butylbenzene	Ave	2.339	2.679		2.29	2.00	14.5	30.0
1,3-Dichlorobenzene	Ave	0.9580	1.206		2.52	2.00	25.9	30.0
Benzyl chloride	Ave	1.099	1.528		2.78	2.00	39.0*	30.0
1,4-Dichlorobenzene	Ave	0.9437	1.197		2.54	2.00	26.8	30.0
4-Isopropyltoluene	Ave	1.843	2.323		2.52	2.00	26.0	30.0
1,2,3-Trimethylbenzene	Lin1		2.092		2.71	2.00	35.5*	30.0
Butylcyclohexane	Ave	1.407	1.507		2.14	2.00	7.1	30.0
1,2-Dichlorobenzene	Ave	0.9404	1.233		2.62	2.00	31.1*	30.0
Indane	Ave	1.482	1.822		2.46	2.00	22.9	30.0
Butylbenzene	Ave	2.040	2.505		2.46	2.00	22.8	30.0
Indene	Ave	1.232	1.549		2.51	2.00	25.7	30.0
Undecane	Ave	1.442	1.543		2.14	2.00	7.0	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.4081	0.5939		2.91	2.00	45.5*	30.0
1,2,4,5-Tetramethylbenzene	Ave	1.881	2.411		2.56	2.00	28.1	30.0
Dodecane	Ave	1.479	1.606		2.17	2.00	8.6	30.0
1,2,4-Trichlorobenzene	Ave	0.6969	0.8973		2.58	2.00	28.8	30.0
Naphthalene	Ave	1.963	2.135		2.18	2.00	8.8	30.0
Hexachlorobutadiene	Ave	0.6298	1.041		3.31	2.00	65.3*	30.0
1,2,3-Trichlorobenzene	Ave	0.5691	0.7157		2.52	2.00	25.8	30.0
2-Methylnaphthalene	Ave	0.2828	0.6818		4.82	2.00	141.1*	50.0
1-Methylnaphthalene	Ave	0.3880	0.7010		3.61	2.00	80.7*	50.0
4-Bromofluorobenzene (Surr)	Ave	0.8356	1.021		5.67	4.64	22.2	30.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SCCVD12.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 12-Apr-2021 08:30:30 ALS Bottle#: 5 Worklist Smp#: 2
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018849-002
Misc. Info.: P137 100ML
Operator ID: HMT Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 13-Apr-2021 08:53:52 Calib Date: 22-Feb-2021 22:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1657

First Level Reviewer: tajh Date: 13-Apr-2021 08:53:52

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.244	9.244	0.000	95	163449	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.417	11.417	0.000	96	767146	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.087	16.087	0.000	91	644056	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.728	17.728	0.000	85	635492	4.64	5.67	
6 Chlorodifluoromethane	51	3.811	3.811	0.000	95	193953	2.00	2.16	
7 Propene	41	3.827	3.827	0.000	97	78363	2.00	1.75	
8 Dichlorodifluoromethane	85	3.881	3.881	0.000	99	355252	2.00	2.70	
9 Chloromethane	52	4.074	4.074	0.000	52	18969	2.00	1.37	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.080	0.000	91	191558	2.00	2.68	
11 Acetaldehyde	44	4.241	4.241	0.000	95	106992	10.0	6.17	
12 Vinyl chloride	62	4.263	4.263	0.000	98	69620	2.00	1.75	
14 Butane	43	4.354	4.354	0.000	82	78651	2.00	1.34	
13 Butadiene	54	4.359	4.359	0.000	76	47019	2.00	1.49	
15 Bromomethane	94	4.704	4.704	0.000	97	77238	2.00	2.13	
16 Chloroethane	64	4.860	4.860	0.000	97	24718	2.00	1.58	
17 Ethanol	31	4.951	4.951	0.000	93	103372	10.0	6.42	
18 Vinyl bromide	106	5.188	5.188	0.000	98	90460	2.00	1.86	
19 2-Methylbutane	43	5.236	5.236	0.000	90	111625	2.00	1.63	
20 Trichlorofluoromethane	101	5.473	5.473	0.000	99	358942	2.00	2.86	
21 Acrolein	56	5.484	5.484	0.000	91	32886	2.00	1.90	
22 Acetonitrile	40	5.559	5.559	0.000	99	42148	2.00	1.64	
23 Acetone	58	5.602	5.602	0.000	99	142902	6.00	4.75	
24 Isopropyl alcohol	45	5.688	5.688	0.000	96	429724	6.00	5.77	
25 Pentane	72	5.710	5.710	0.000	96	10661	2.00	1.77	
26 Ethyl ether	31	5.882	5.882	0.000	93	93481	2.00	1.38	
27 1,1-Dichloroethene	96	6.226	6.226	0.000	92	89287	2.00	1.79	
29 2-Methyl-2-propanol	59	6.318	6.318	0.000	95	192686	2.00	2.30	
28 Acrylonitrile	53	6.334	6.334	0.000	91	74084	2.00	1.75	
30 112TCTFE	101	6.414	6.414	0.000	94	230171	2.00	2.18	
31 Methylene Chloride	84	6.597	6.597	0.000	98	86140	2.00	1.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.614	6.614	0.000	96	85501	2.00	1.74	
33 Carbon disulfide	76	6.770	6.770	0.000	99	263433	2.00	1.62	
34 trans-1,2-Dichloroethene	96	7.442	7.442	0.000	93	88503	2.00	1.76	
35 2-Methylpentane	43	7.458	7.458	0.000	94	214863	2.00	1.60	
36 Methyl tert-butyl ether	73	7.560	7.560	0.000	96	258381	2.00	2.04	
37 1,1-Dichloroethane	63	7.883	7.883	0.000	99	203229	2.00	1.94	
38 Vinyl acetate	43	7.980	7.980	0.000	100	202858	2.00	1.55	
39 2-Butanone (MEK)	72	8.448	8.448	0.000	96	39097	2.00	1.44	
40 Hexane	56	8.475	8.475	0.000	90	74632	2.00	1.72	
41 Isopropyl ether	45	8.625	8.625	0.000	96	319478	2.00	1.64	
42 cis-1,2-Dichloroethene	96	8.900	8.900	0.000	99	92003	2.00	1.67	
43 Ethyl acetate	43	9.067	9.067	0.000	98	218964	2.00	1.67	
44 Chloroform	83	9.250	9.250	0.000	68	250862	2.00	2.19	
45 Tert-butyl ethyl ether	59	9.319	9.319	0.000	96	321127	2.00	1.96	
46 Tetrahydrofuran	42	9.648	9.648	0.000	93	99220	2.00	1.49	
47 1,1,1-Trichloroethane	97	10.304	10.304	0.000	95	271247	2.00	2.55	
48 1,2-Dichloroethane	62	10.411	10.411	0.000	98	183130	2.00	2.60	
49 n-Butanol	31	10.815	10.815	0.000	91	30954	2.00	1.29	
51 Benzene	78	10.896	10.896	0.000	98	270817	2.00	1.70	
50 Cyclohexane	69	10.896	10.896	0.000	68	38629	2.00	1.59	
52 Carbon tetrachloride	117	10.912	10.912	0.000	97	296721	2.00	3.50	
53 2,3-Dimethylpentane	71	10.998	10.998	0.000	90	53675	2.00	1.62	
54 Thiophene	84	11.159	11.159	0.000	99	156150	2.00	1.79	
55 Isooctane	57	11.627	11.627	0.000	96	464959	2.00	1.73	
56 n-Heptane	71	11.993	11.993	0.000	92	78270	2.00	1.56	
57 1,2-Dichloropropane	63	12.090	12.090	0.000	90	119631	2.00	1.78	
58 Trichloroethene	130	12.122	12.122	0.000	91	123258	2.00	2.02	
59 Dibromomethane	93	12.214	12.214	0.000	91	138017	2.00	2.24	
61 1,4-Dioxane	88	12.348	12.348	0.000	93	41820	2.00	1.79	
60 Dichlorobromomethane	83	12.348	12.348	0.000	99	257760	2.00	2.51	
62 Methyl methacrylate	41	12.423	12.423	0.000	90	134277	2.00	1.83	
63 Methylcyclohexane	83	12.881	12.881	0.000	91	150664	2.00	1.62	
64 4-Methyl-2-pentanone (MIBK)	43	13.257	13.257	0.000	98	228610	2.00	1.69	
65 cis-1,3-Dichloropropene	75	13.333	13.333	0.000	95	168345	2.00	1.99	
66 trans-1,3-Dichloropropene	75	14.016	14.016	0.000	97	154796	2.00	2.15	
67 Toluene	91	14.140	14.140	0.000	92	336529	2.00	1.82	
68 1,1,2-Trichloroethane	83	14.209	14.209	0.000	97	112091	2.00	1.89	
69 2-Hexanone	58	14.575	14.575	0.000	92	103205	2.00	1.69	
70 n-Octane	85	14.796	14.796	0.000	94	86038	2.00	1.80	
71 Chlorodibromomethane	129	14.909	14.909	0.000	97	258522	2.00	2.90	
72 Ethylene Dibromide	107	15.199	15.199	0.000	98	204089	2.00	2.17	
73 Tetrachloroethene	129	15.269	15.269	0.000	90	144909	2.00	2.28	
74 2,3-Dimethylheptane	43	16.130	16.130	0.000	93	342613	2.00	1.83	
75 Chlorobenzene	112	16.135	16.135	0.000	91	272557	2.00	2.12	
76 Ethylbenzene	91	16.410	16.410	0.000	100	463702	2.00	1.97	
77 m-Xylene & p-Xylene	91	16.571	16.571	0.000	100	787276	4.00	4.28	
78 n-Nonane	57	16.975	16.975	0.000	93	236596	2.00	1.85	
79 Bromoform	173	17.034	17.034	0.000	94	250601	2.00	3.24	
80 Styrene	104	17.039	17.039	0.000	98	264036	2.00	2.13	
81 o-Xylene	91	17.104	17.104	0.000	97	431373	2.00	2.20	
82 1,1,2,2-Tetrachloroethane	83	17.432	17.432	0.000	98	293005	2.00	2.01	
83 1,2,3-Trichloropropane	110	17.593	17.593	0.000	98	78720	2.00	2.69	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.695	17.695	0.000	96	540055	2.00	2.17	
85 N-Propylbenzene	120	18.223	18.223	0.000	98	137952	2.00	2.09	
86 2-Chlorotoluene	126	18.276	18.276	0.000	97	140639	2.00	2.28	
87 4-Ethyltoluene	105	18.373	18.373	0.000	98	580912	2.00	2.28	
88 1,3,5-Trimethylbenzene	120	18.443	18.443	0.000	90	215275	2.00	2.21	
89 Alpha Methyl Styrene	118	18.669	18.669	0.000	86	221795	2.00	2.29	
90 n-Decane	57	18.712	18.712	0.000	89	357552	2.00	2.11	
91 tert-Butylbenzene	119	18.863	18.863	0.000	91	524982	2.00	2.44	
92 1,2,4-Trimethylbenzene	105	18.879	18.879	0.000	96	541665	2.00	2.50	
93 sec-Butylbenzene	105	19.132	19.132	0.000	98	718809	2.00	2.29	
94 1,3-Dichlorobenzene	146	19.153	19.153	0.000	98	323708	2.00	2.52	
95 Benzyl chloride	91	19.223	19.223	0.000	97	410003	2.00	2.78	
96 1,4-Dichlorobenzene	146	19.239	19.239	0.000	93	321241	2.00	2.54	
97 4-Isopropyltoluene	119	19.288	19.288	0.000	96	623357	2.00	2.52	
98 1,2,3-Trimethylbenzene	105	19.347	19.347	0.000	99	561284	2.00	2.71	
99 Butylcyclohexane	83	19.395	19.395	0.000	91	404527	2.00	2.14	
100 2,3-Dihydroindene	117	19.594	19.594	0.000	91	489050	2.00	2.46	
101 1,2-Dichlorobenzene	146	19.594	19.594	0.000	81	330823	2.00	2.62	
102 n-Butylbenzene	91	19.718	19.718	0.000	95	672364	2.00	2.46	
103 Indene	116	19.724	19.724	0.000	88	415686	2.00	2.51	
104 Undecane	57	20.009	20.009	0.000	94	414160	2.00	2.14	
105 1,2-Dibromo-3-Chloropropane	157	20.186	20.186	0.000	90	159378	2.00	2.91	
106 1,2,4,5-Tetramethylbenzene	119	20.471	20.471	0.000	93	646911	2.00	2.56	
107 Dodecane	57	21.085	21.085	0.000	96	430915	2.00	2.17	
108 1,2,4-Trichlorobenzene	180	21.321	21.321	0.000	94	240803	2.00	2.58	
109 Naphthalene	128	21.467	21.467	0.000	99	573033	2.00	2.18	
110 Hexachlorobutadiene	225	21.655	21.655	0.000	95	279391	2.00	3.31	
111 1,2,3-Trichlorobenzene	180	21.719	21.719	0.000	94	192073	2.00	2.52	
112 2-Methylnaphthalene	142	22.273	22.273	0.000	97	182974	2.00	4.82	
113 1-Methylnaphthalene	142	22.403	22.403	0.000	98	188121	2.00	3.61	
A 115 C8 Range	1	14.801	(14.758-14.844)		0	974944	2.00	1.82	
S 116 Xylenes, Total	100				0		6.00	6.49	
S 117 1,2-Dichloroethene, Total	1				0		4.00	3.43	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent
40CV101P_00137	Amount Added: 100.00	Units: ml	

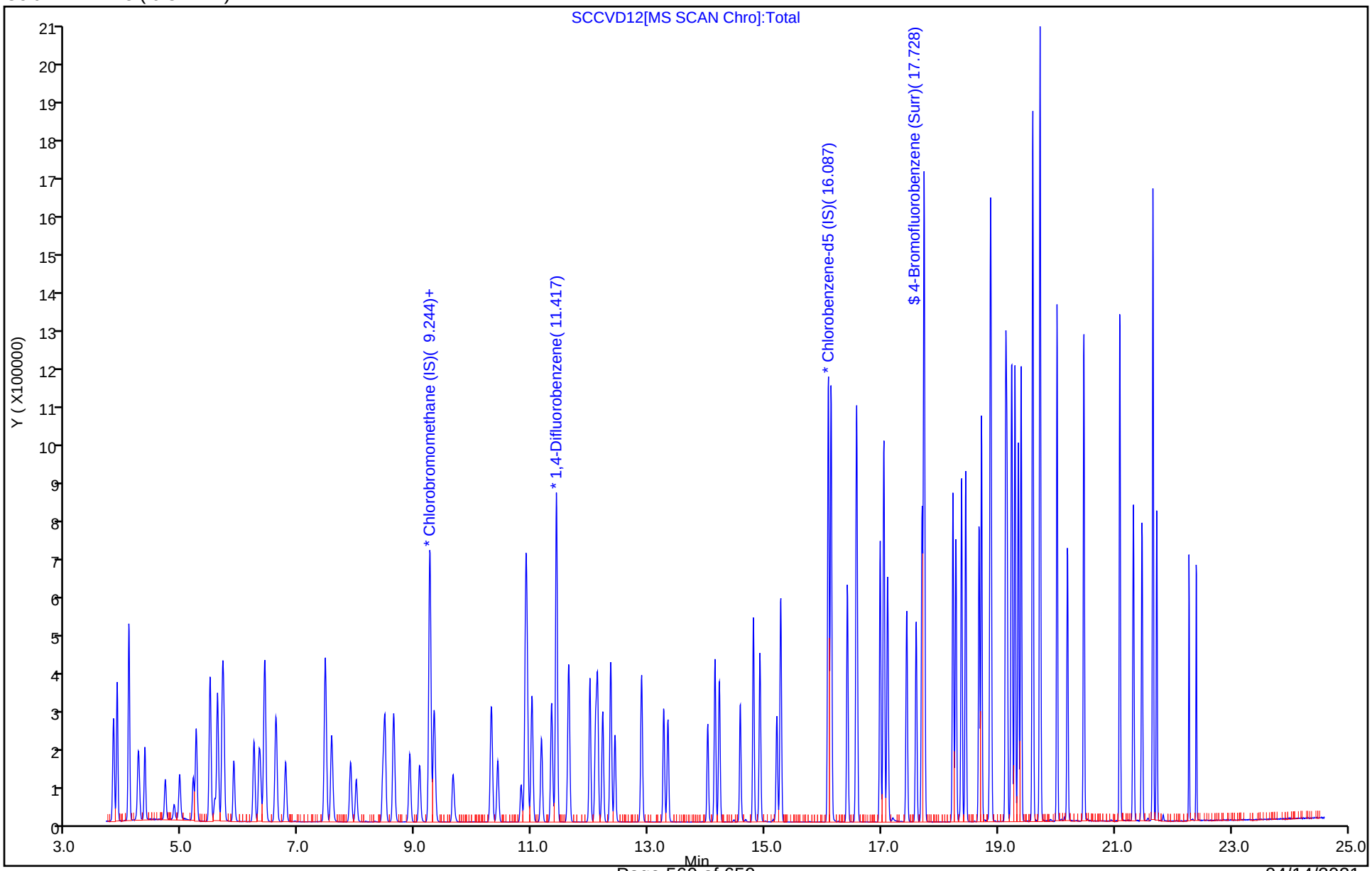
Report Date: 13-Apr-2021 08:53:54 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SCCVD12.D

Injection Date:	12-Apr-2021 08:30:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17BFBIC.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	17-Feb-2021 10:10:30	ALS Bottle#:	16	Worklist Smp#:	1
Injection Vol:	500.0 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018243-001				
Misc. Info.:	BFB				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	18-Feb-2021 11:34:03	Calib Date:	17-Feb-2021 20:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1650				
First Level Reviewer: barlozhetskayaa		Date:	17-Feb-2021 10:29:52		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
$ 5 BFB	95	5.949	5.949	0.000	0	695553	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

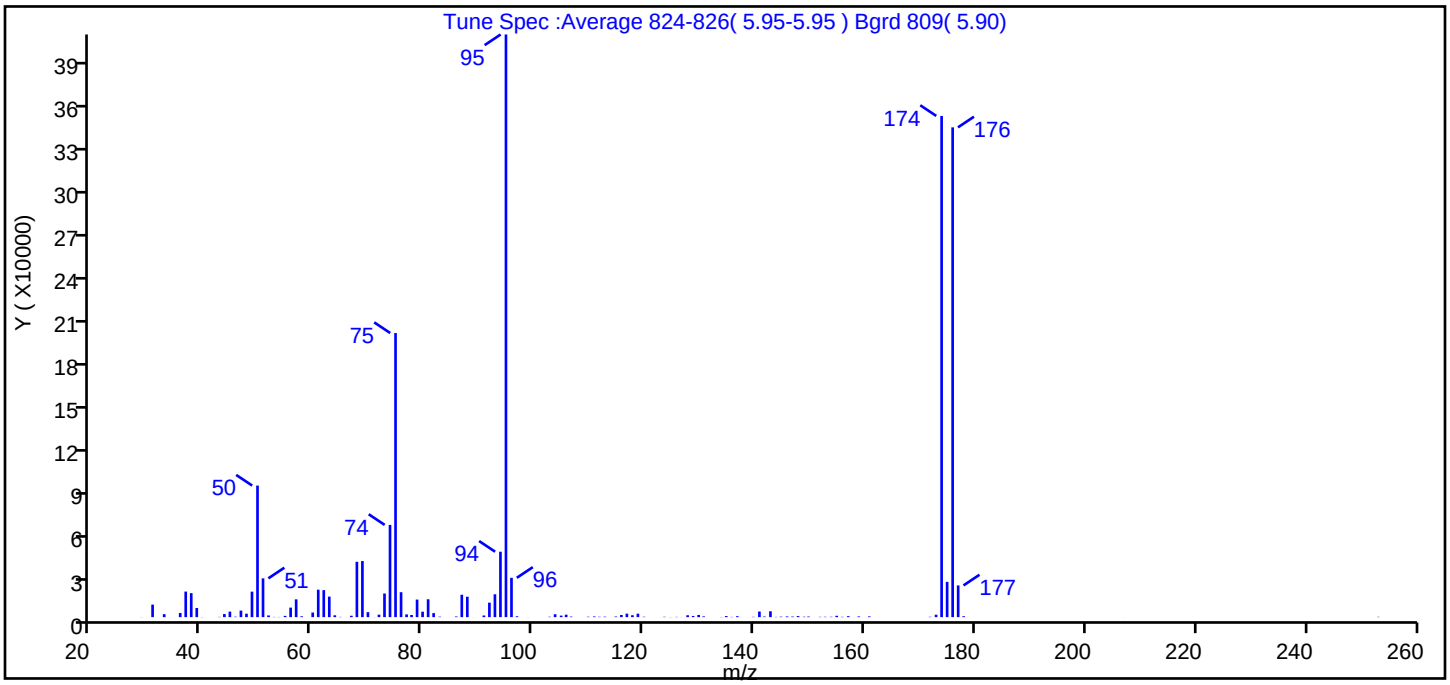
40MXBFB_00001 Amount Added: 40.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17BFBIC.D
Injection Date: 17-Feb-2021 10:10:30 Instrument ID: MR
Lims ID: BFB
Client ID:
Operator ID: HMT ALS Bottle#: 16 Worklist Smp#: 1
Injection Vol: 500.0 mL Dil. Factor: 1.0000
Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	22.6
75	30 to 60% of m/z 95	48.8
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	86.0
175	5 to 9% of m/z 174	6.1 (7.0)
176	Greater than 95% but less than 101% of m/z 174	84.1 (97.7)
177	5 to 9% of m/z 176	5.4 (6.5)

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17BFBIC.D\MR_TO15.rslt\spectra.d
Injection Date: 17-Feb-2021 10:10:30
Spectrum: Tune Spec :Average 824-826(5.95-5.95) Bgrd 809(5.90)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	75	64.00	1304	97.00	601	139.00	34
31.00	8772	65.00	173	99.00	53	140.00	213
33.00	2093	66.00	37	103.00	275	141.00	3925
34.00	34	67.00	986	104.00	2020	142.00	416
36.00	2924	68.00	38760	105.00	1078	143.00	4117
37.00	17904	69.00	39272	106.00	1723	144.00	176
38.00	16808	70.00	3486	107.00	399	145.00	347
39.00	6402	71.00	53	110.00	286	146.00	505
40.00	98	72.00	1740	111.00	471	147.00	406
41.00	11	73.00	16544	112.00	254	148.00	748
43.00	176	74.00	64576	113.00	329	149.00	291
44.00	2171	75.00	198912	115.00	428	150.00	420
45.00	3867	76.00	17440	116.00	1500	152.00	220
46.00	306	77.00	1917	117.00	2436	153.00	260
47.00	4608	78.00	1503	118.00	1345	154.00	264
48.00	2408	79.00	12308	119.00	2427	155.00	962
49.00	17848	80.00	3822	120.00	274	156.00	238
50.00	92112	81.00	12524	123.00	38	157.00	677
51.00	27160	82.00	2825	124.00	245	158.00	35
52.00	1200	83.00	316	125.00	92	159.00	484
53.00	160	86.00	457	126.00	170	161.00	513
54.00	123	87.00	15682	127.00	48	172.00	245
55.00	890	88.00	14288	128.00	1323	173.00	1694
56.00	6676	89.00	40	129.00	766	174.00	350912
57.00	12465	91.00	1155	130.00	1534	175.00	24688
58.00	576	92.00	10131	131.00	528	176.00	342912
60.00	3231	93.00	16023	134.00	123	177.00	22208
61.00	19224	94.00	45808	135.00	755	178.00	626
62.00	18912	95.00	407936	136.00	160	207.00	23
63.00	14356	96.00	27536	137.00	655	253.00	220

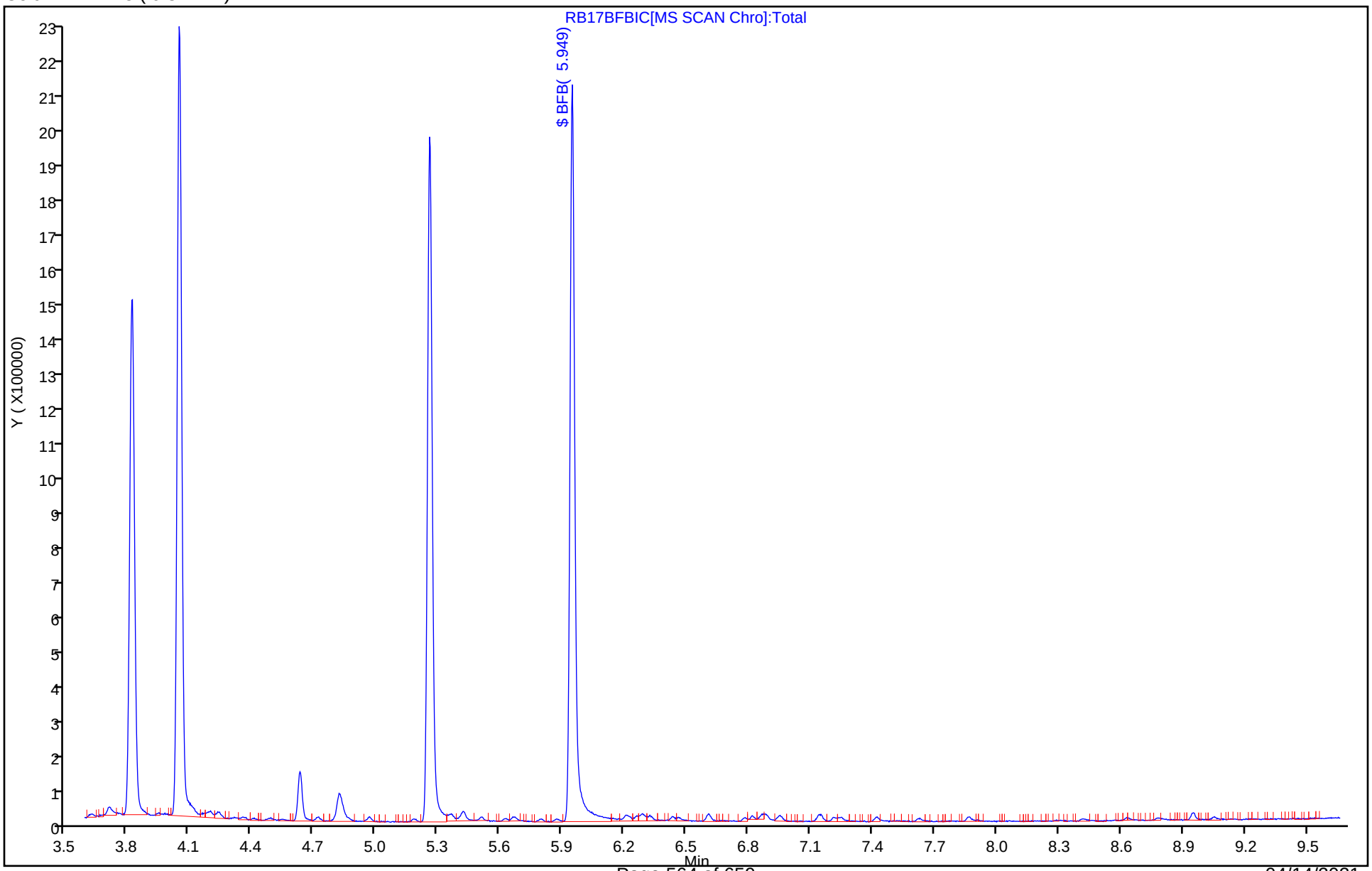
Report Date: 18-Feb-2021 11:34:03 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17BFBIC.D

Injection Date:	17-Feb-2021 10:10:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	500.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RBFBD10.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	10-Apr-2021 07:28:30	ALS Bottle#:	16	Worklist Smp#:	1
Injection Vol:	500.0 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018816-001				
Misc. Info.:	BFB				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Apr-2021 11:16:06	Calib Date:	17-Feb-2021 20:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1601				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
$ 5 BFB	95	5.920	5.920	0.000	0	556307	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

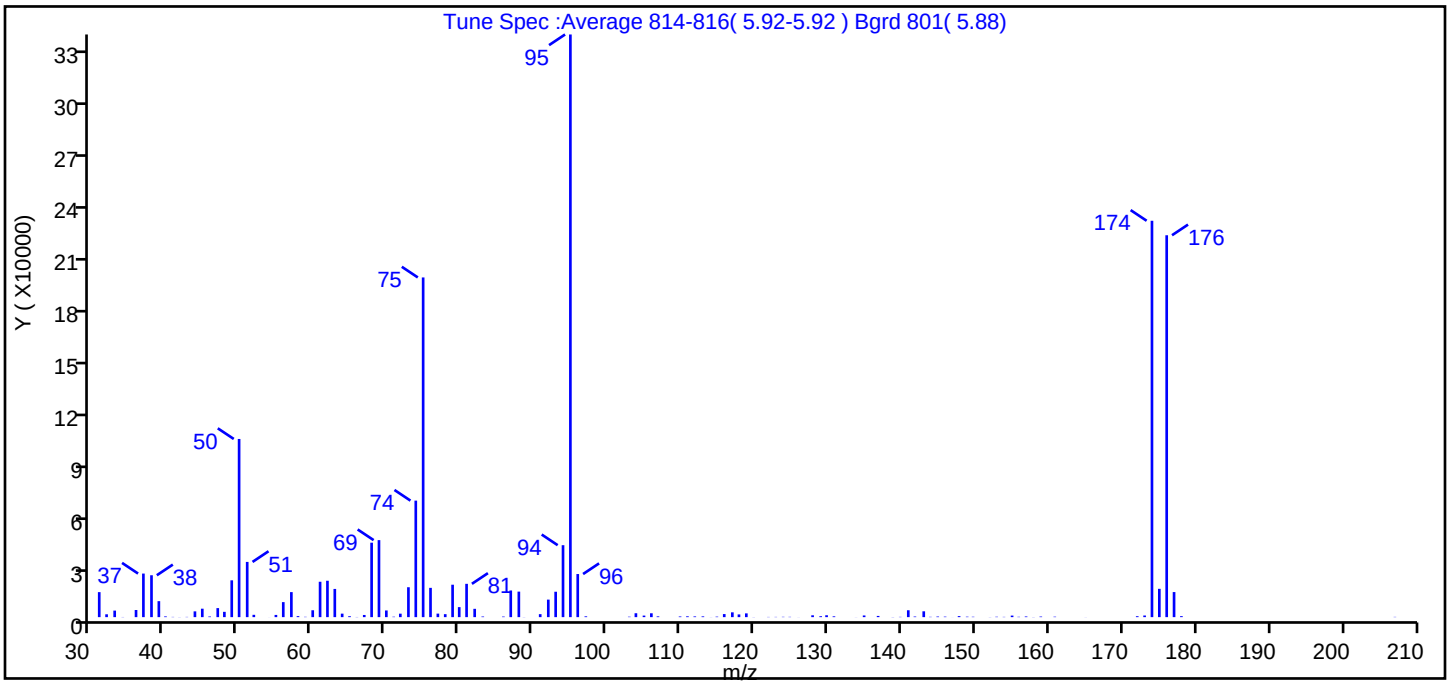
40MXBFB_00001 Amount Added: 40.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RBFBD10.D
Injection Date: 10-Apr-2021 07:28:30 Instrument ID: MR
Lims ID: BFB
Client ID:
Operator ID: HMT ALS Bottle#: 16 Worklist Smp#: 1
Injection Vol: 500.0 mL Dil. Factor: 1.0000
Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	30.6
75	30 to 60% of m/z 95	58.3
96	5 to 9% of m/z 95	7.4
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	68.0
175	5 to 9% of m/z 174	4.9 (7.1)
176	Greater than 95% but less than 101% of m/z 174	65.5 (96.3)
177	5 to 9% of m/z 176	4.3 (6.6)

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RBFBD10.D\MR_TO15.rslt\spectra.d
Injection Date: 10-Apr-2021 07:28:30
Spectrum: Tune Spec :Average 814-816(5.92-5.92) Bgrd 801(5.88)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	14262	63.00	16088	96.00	24584	139.00	83
32.00	1627	64.00	1998	97.00	459	140.00	152
33.00	3729	65.00	522	103.00	251	141.00	3925
34.00	93	66.00	93	104.00	2232	142.00	345
36.00	4073	67.00	1236	105.00	886	143.00	3332
37.00	24856	68.00	42464	106.00	2204	144.00	179
38.00	23888	69.00	43920	107.00	432	145.00	344
39.00	9118	70.00	3808	110.00	385	146.00	288
40.00	419	71.00	243	111.00	474	147.00	18
41.00	136	72.00	1980	112.00	412	148.00	582
42.00	64	73.00	17056	113.00	432	149.00	265
43.00	138	74.00	66448	114.00	41	150.00	223
44.00	3294	75.00	193728	115.00	290	152.00	61
45.00	4818	76.00	16704	116.00	1756	153.00	228
46.00	365	77.00	2015	117.00	2743	154.00	149
47.00	5153	78.00	1700	118.00	1555	155.00	887
48.00	3030	79.00	18496	119.00	2151	156.00	196
49.00	21000	80.00	5715	120.00	64	157.00	386
50.00	101608	81.00	19000	122.00	122	158.00	70
51.00	31496	82.00	4743	123.00	140	159.00	333
52.00	1330	83.00	355	124.00	186	161.00	261
54.00	26	86.00	324	125.00	168	165.00	38
55.00	1263	87.00	15212	126.00	36	172.00	529
56.00	8562	88.00	14555	128.00	1055	173.00	932
57.00	14274	89.00	64	129.00	522	174.00	226048
58.00	577	91.00	1705	130.00	1077	175.00	16143
59.00	184	92.00	9996	131.00	458	176.00	217792
60.00	3929	93.00	14487	134.00	39	177.00	14301
61.00	20184	94.00	41032	135.00	955	178.00	559
62.00	20752	95.00	332288	137.00	692	207.00	148

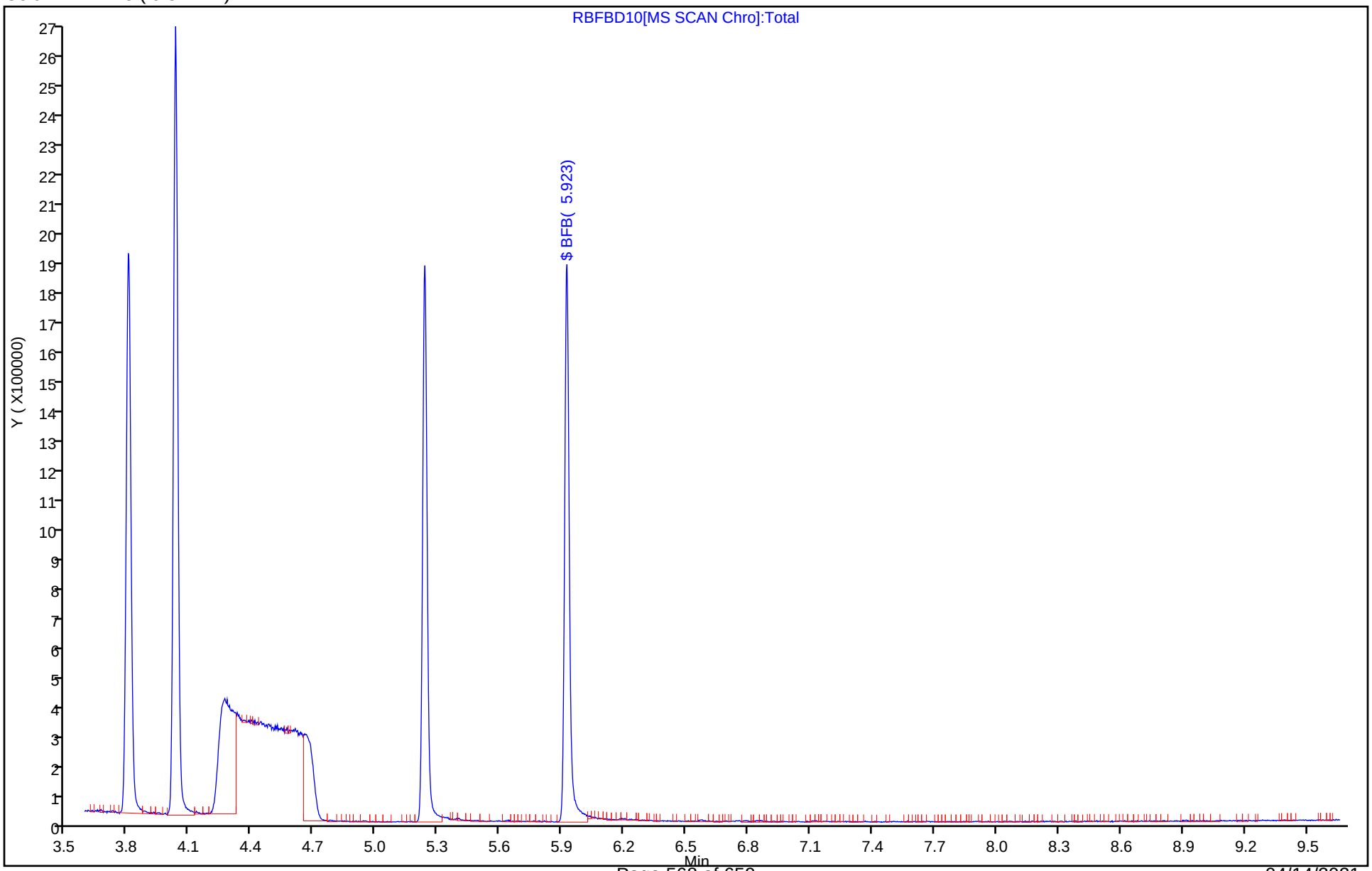
Report Date: 12-Apr-2021 11:16:06 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RBFBD10.D

Injection Date:	10-Apr-2021 07:28:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	500.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20210412-18858.b\RBFBD13A.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	13-Apr-2021 10:28:30	ALS Bottle#:	16	Worklist Smp#:	1
Injection Vol:	500.0 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018858-001				
Misc. Info.:	BFB				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210412-18858.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	14-Apr-2021 10:00:43	Calib Date:	17-Feb-2021 20:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1682				
First Level Reviewer: tajh		Date:	13-Apr-2021 10:56:30		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
$ 5 BFB	95	5.918	5.918	0.000	0	860598	NR	NR	8

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
8 - Failed MS Tune Ratio Test

Reagents:

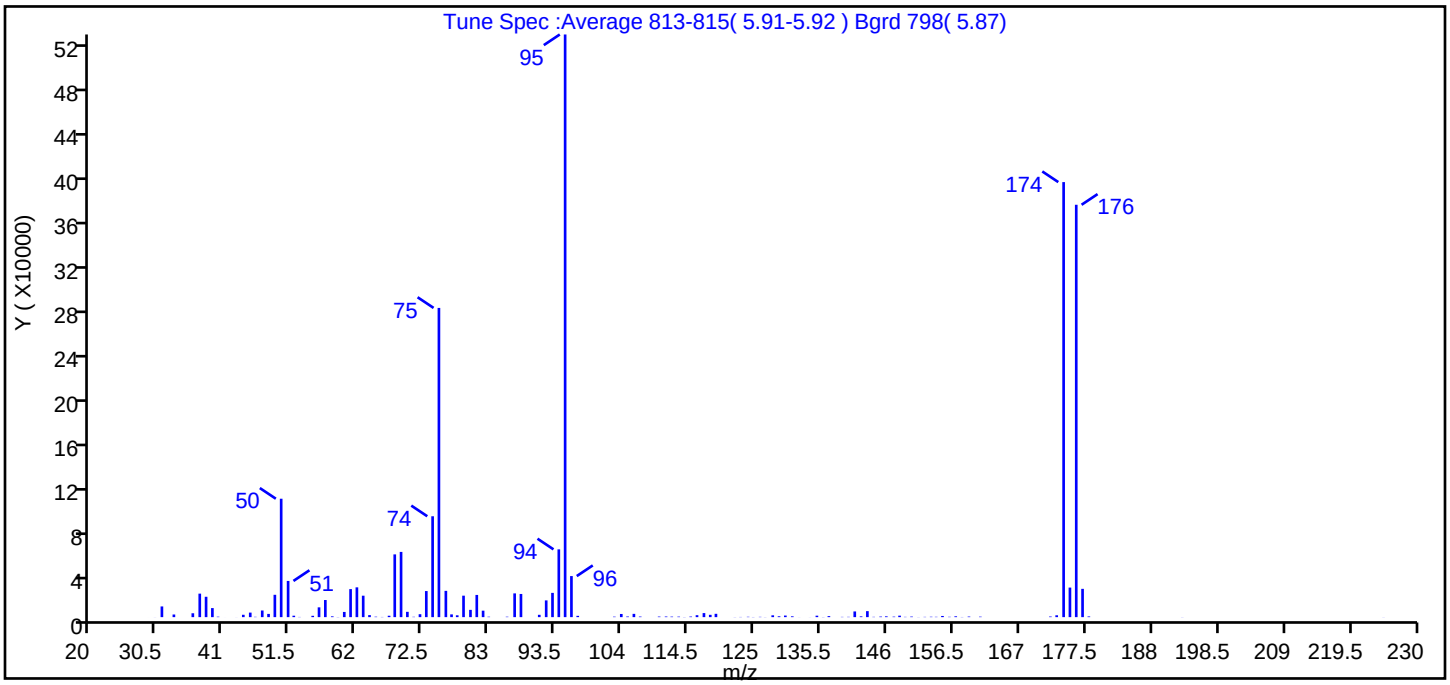
40MXBFB_00001 Amount Added: 40.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210412-18858.b\RBFBD13A.D
Injection Date: 13-Apr-2021 10:28:30 Instrument ID: MR
Lims ID: BFB
Client ID:
Operator ID: HMT ALS Bottle#: 16 Worklist Smp#: 1
Injection Vol: 500.0 mL Dil. Factor: 1.0000
Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.3
75	30 to 60% of m/z 95	53.1
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	74.7
175	5 to 9% of m/z 174	5.1 (6.8)
176	Greater than 95% but less than 101% of m/z 174	70.8 (94.8)*
177	5 to 9% of m/z 176	4.9 (6.9)

Data File: \\chromfs\Knoxville\ChromData\MR\20210412-18858.b\RBFBD13A.D\MR_TO15.rslt\spectra.d
Injection Date: 13-Apr-2021 10:28:30
Spectrum: Tune Spec :Average 813-815(5.91-5.92) Bgrd 798(5.87)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 121

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	7	65.00	410	105.00	569	142.00	691
30.00	47	66.00	163	106.00	2947	143.00	5391
31.00	9608	67.00	1258	107.00	512	144.00	267
33.00	2381	68.00	56344	110.00	514	145.00	519
36.00	3487	69.00	58568	111.00	565	146.00	727
37.00	21104	70.00	4767	112.00	470	147.00	455
38.00	18288	71.00	305	113.00	467	148.00	1331
39.00	8130	72.00	2632	114.00	122	149.00	253
40.00	408	73.00	23424	115.00	524	150.00	503
41.00	16	74.00	90568	116.00	1754	151.00	86
43.00	40	75.00	277632	117.00	3643	152.00	243
44.00	2128	76.00	23600	118.00	2084	153.00	360
45.00	4077	77.00	2482	119.00	2988	154.00	300
46.00	278	78.00	1660	122.00	97	155.00	1051
47.00	5972	79.00	19280	123.00	176	156.00	310
48.00	2912	80.00	6540	124.00	321	157.00	748
49.00	20064	81.00	19936	125.00	134	158.00	142
50.00	106320	82.00	5814	126.00	265	159.00	519
51.00	32504	83.00	381	127.00	94	161.00	430
52.00	1286	86.00	388	128.00	1630	172.00	555
53.00	172	87.00	21328	129.00	777	173.00	1666
55.00	1196	88.00	20808	130.00	1423	174.00	390592
56.00	8797	91.00	2099	131.00	725	175.00	26544
57.00	15368	92.00	15038	132.00	43	176.00	370240
58.00	704	93.00	21784	134.00	46	177.00	25408
59.00	130	94.00	60856	135.00	1307	178.00	629
60.00	4668	95.00	523136	136.00	118	193.00	82
61.00	25168	96.00	36872	137.00	918	225.00	68
62.00	26752	97.00	1167	139.00	235		
63.00	19256	103.00	426	140.00	268		
64.00	1827	104.00	2846	141.00	5116		

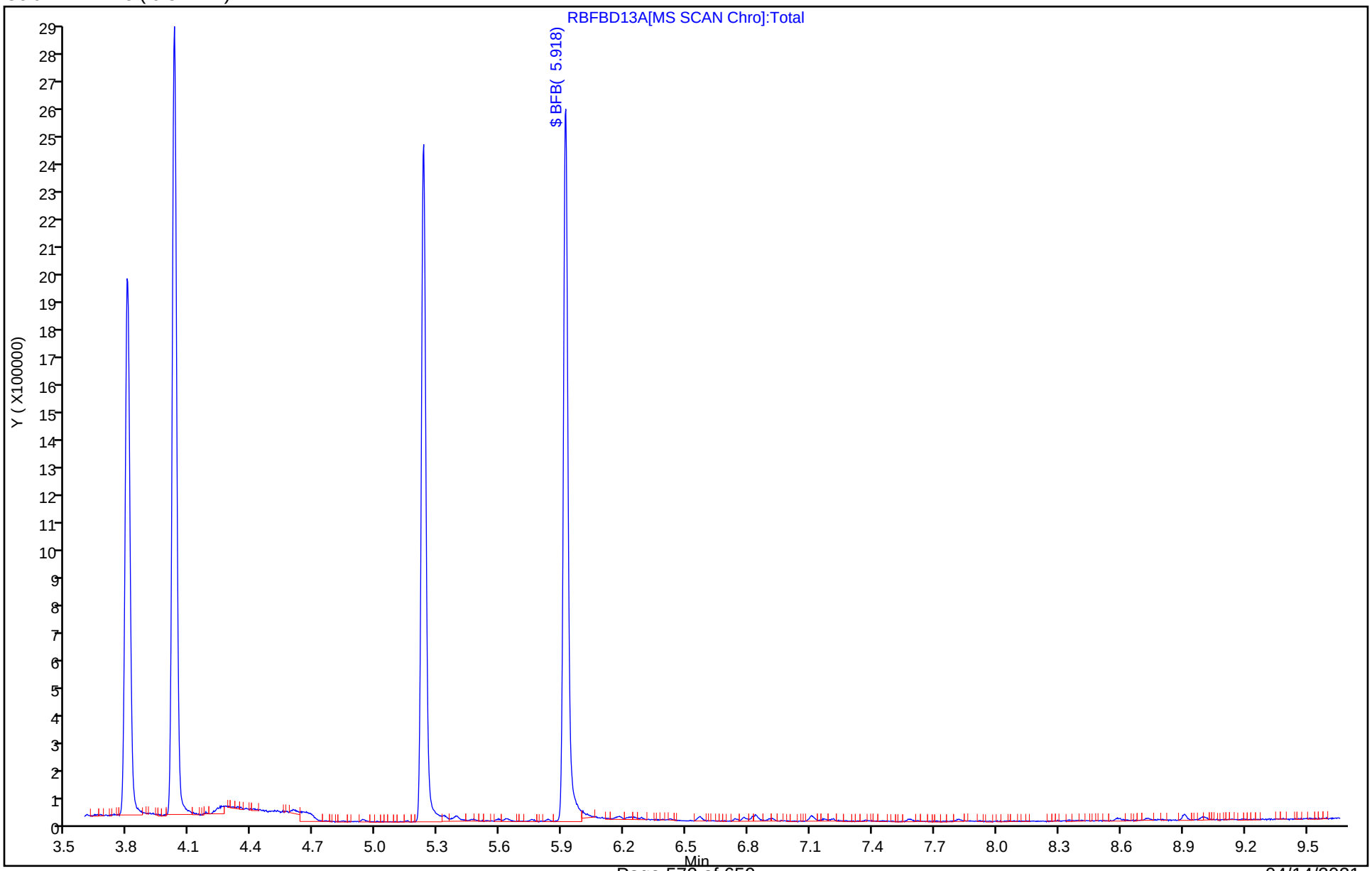
Report Date: 14-Apr-2021 10:00:43 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210412-18858.b\RBFBD13A.D

Injection Date:	13-Apr-2021 10:28:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	500.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22BFBic.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	22-Feb-2021 11:42:30	ALS Bottle#:	3	Worklist Smp#:	1
Injection Vol:	500.0 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018286-001				
Misc. Info.:	BFB				
Operator ID:	HMT	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	23-Feb-2021 08:43:39	Calib Date:	22-Feb-2021 22:12:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1647				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
$ 5 BFB	95	4.789	4.789	0.000	0	774887	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

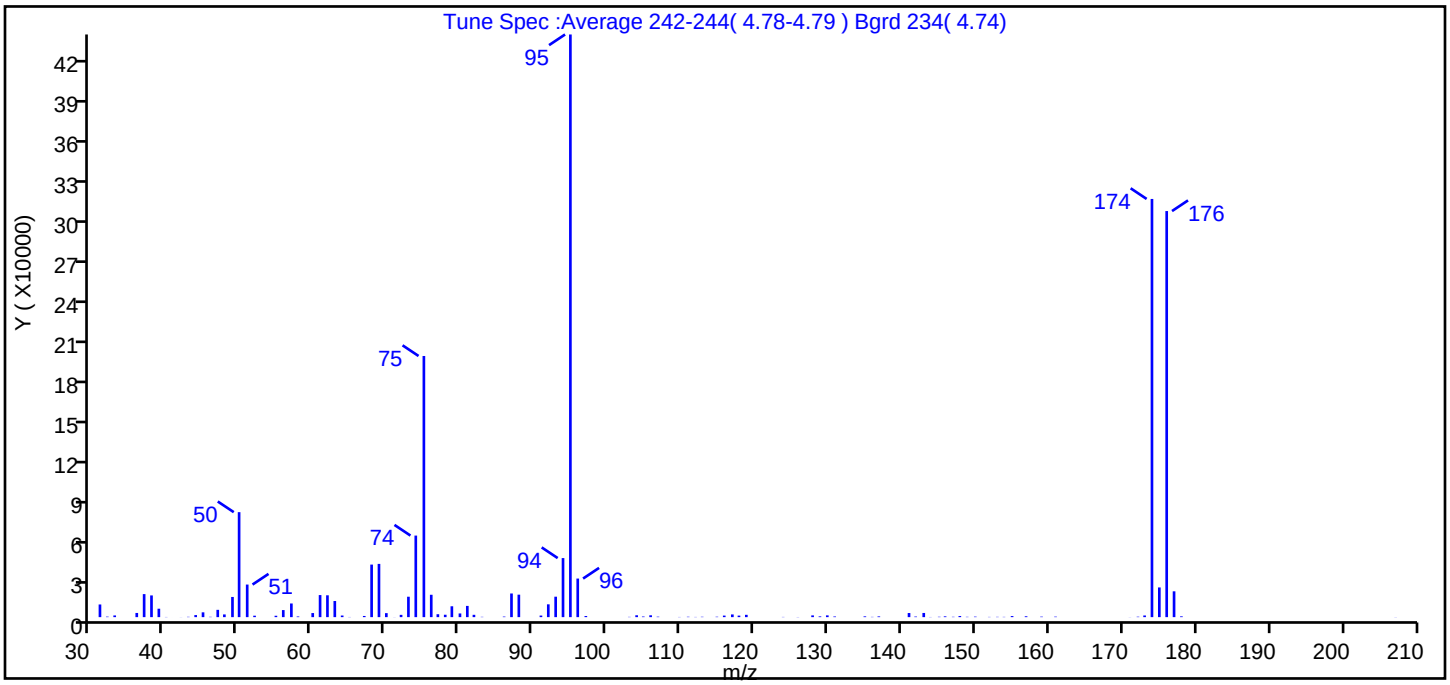
40MXBFB_00001 Amount Added: 40.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22BFBic.D
Injection Date: 22-Feb-2021 11:42:30 Instrument ID: MS
Lims ID: BFB
Client ID:
Operator ID: HMT ALS Bottle#: 3 Worklist Smp#: 1
Injection Vol: 500.0 mL Dil. Factor: 1.0000
Method: MS_TO15A Limit Group: MSA TO14A_15 Routine ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.0
75	30 to 60% of m/z 95	44.8
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.3 (0.4)
174	50 to 120% of m/z 95	71.8
175	5 to 9% of m/z 174	5.1 (7.1)
176	Greater than 95% but less than 101% of m/z 174	69.7 (97.1)
177	5 to 9% of m/z 176	4.4 (6.4)

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22BFBic.D\MS_TO15A.rslt\spectra.d
Injection Date: 22-Feb-2021 11:42:30
Spectrum: Tune Spec :Average 242-244(4.78-4.79) Bgrd 234(4.74)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	9381	63.00	11932	95.00	431232	142.00	439
32.00	376	64.00	1198	96.00	28552	143.00	3093
33.00	1258	65.00	127	97.00	833	144.00	122
36.00	3096	67.00	867	103.00	201	145.00	275
37.00	17048	68.00	38896	104.00	1390	146.00	583
38.00	16075	69.00	39408	105.00	459	147.00	257
39.00	6240	70.00	2965	106.00	1369	148.00	817
40.00	132	71.00	61	107.00	342	149.00	239
41.00	5	72.00	1694	110.00	139	150.00	375
42.00	51	73.00	15117	111.00	291	152.00	174
43.00	236	74.00	60368	112.00	151	153.00	222
44.00	1525	75.00	193280	113.00	277	154.00	194
45.00	3562	76.00	16560	115.00	314	155.00	784
46.00	241	77.00	2157	116.00	1149	157.00	639
47.00	5404	78.00	1781	117.00	2000	159.00	369
48.00	2010	79.00	8047	118.00	1140	161.00	369
49.00	14938	80.00	2738	119.00	1716	171.00	66
50.00	77696	81.00	8316	124.00	161	172.00	329
51.00	24120	82.00	1727	126.00	111	173.00	1231
52.00	1070	83.00	225	128.00	1294	174.00	309504
55.00	1026	86.00	411	129.00	559	175.00	21984
56.00	5231	87.00	17512	130.00	1302	176.00	300544
57.00	10116	88.00	16632	131.00	488	177.00	19112
58.00	497	91.00	1170	135.00	572	178.00	580
60.00	3025	92.00	9485	136.00	194	207.00	81
61.00	16337	93.00	15134	137.00	545		
62.00	16168	94.00	43712	141.00	3050		

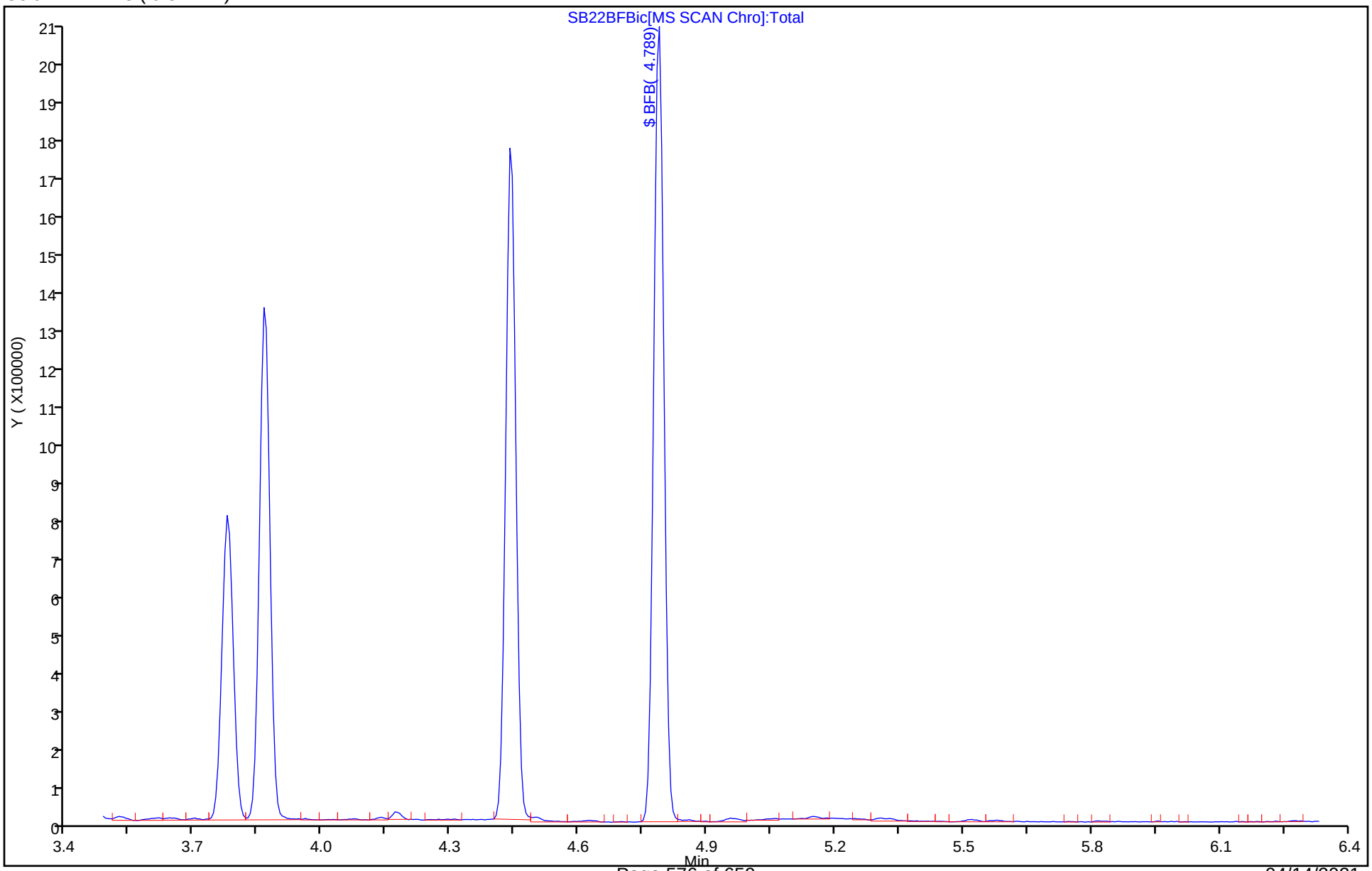
Report Date: 23-Feb-2021 08:43:39 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22BFBic.D

Injection Date:	22-Feb-2021 11:42:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	500.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SBFBD12.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	12-Apr-2021 08:03:30	ALS Bottle#:	16	Worklist Smp#:	1
Injection Vol:	500.0 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018849-001				
Misc. Info.:	BFB				
Operator ID:	HMT	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210410-18849.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Apr-2021 15:15:14	Calib Date:	22-Feb-2021 22:12:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1601				

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
$ 5 BFB	95	4.800	4.800	0.000	0	698742	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

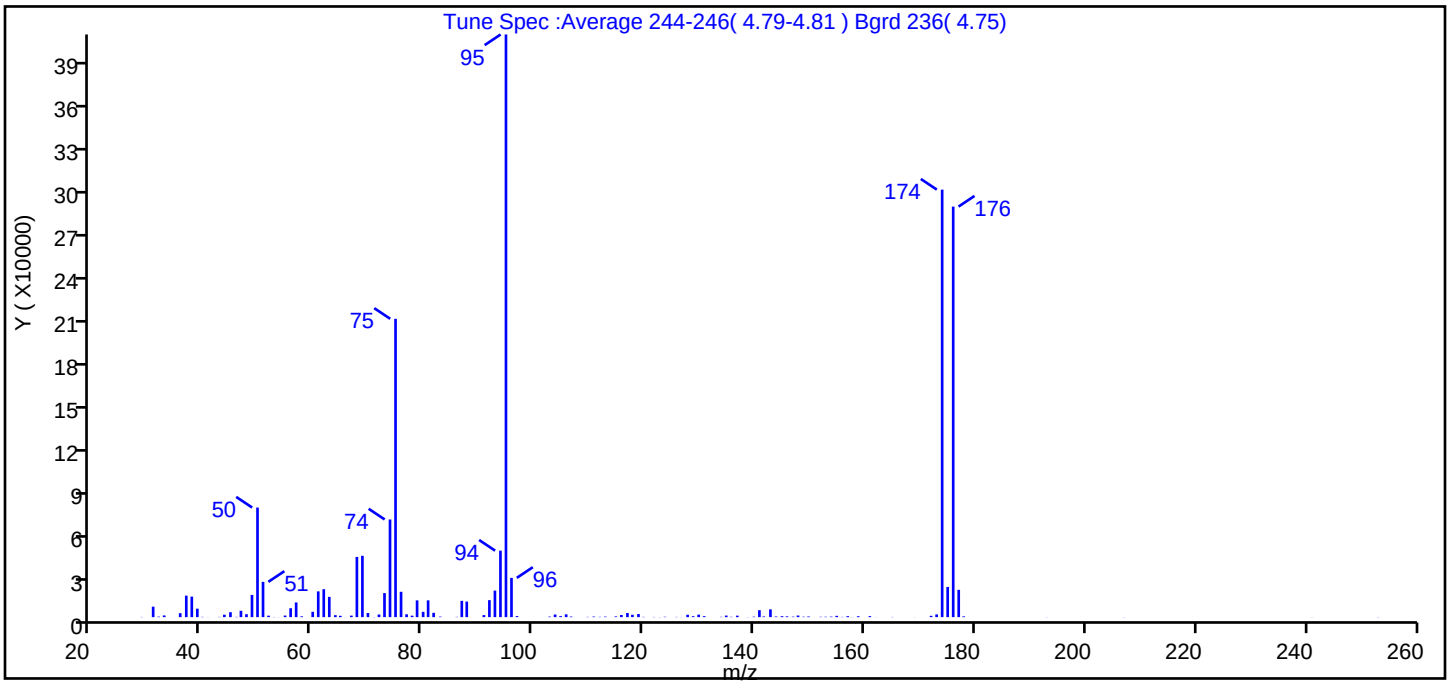
40MXBFB_00001 Amount Added: 40.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SBFBD12.D
Injection Date: 12-Apr-2021 08:03:30 Instrument ID: MS
Lims ID: BFB
Client ID:
Operator ID: HMT ALS Bottle#: 16 Worklist Smp#: 1
Injection Vol: 500.0 mL Dil. Factor: 1.0000
Method: MS_TO15A Limit Group: MSA TO14A_15 Routine ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.8
75	30 to 60% of m/z 95	51.2
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.5 (0.6)
174	50 to 120% of m/z 95	73.4
175	5 to 9% of m/z 174	5.2 (7.1)
176	Greater than 95% but less than 101% of m/z 174	70.5 (96.0)
177	5 to 9% of m/z 176	4.7 (6.7)

Data File: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SBFBD12.D\MS_TO15A.rslt\spectra.d
Injection Date: 12-Apr-2021 08:03:30
Spectrum: Tune Spec :Average 244-246(4.79-4.81) Bgrd 236(4.75)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 123

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	129	65.00	926	105.00	687	144.00	438
31.00	7219	66.00	54	106.00	1941	145.00	654
32.00	337	67.00	1049	107.00	405	146.00	534
33.00	1180	68.00	41560	110.00	173	147.00	334
36.00	2729	69.00	42344	111.00	407	148.00	1120
37.00	14837	70.00	2850	112.00	196	149.00	275
38.00	14167	71.00	95	113.00	364	150.00	452
39.00	5852	72.00	1833	115.00	507	152.00	229
40.00	185	73.00	16608	116.00	1486	153.00	271
41.00	52	74.00	67408	117.00	2835	154.00	367
43.00	155	75.00	205888	118.00	1658	155.00	903
44.00	1692	76.00	17496	119.00	2149	156.00	156
45.00	3421	77.00	1972	120.00	192	157.00	682
46.00	181	78.00	1013	122.00	144	158.00	70
47.00	4398	79.00	11569	123.00	81	159.00	622
48.00	2017	80.00	3677	124.00	249	161.00	686
49.00	15309	81.00	11596	126.00	149	162.00	56
50.00	75632	82.00	2984	127.00	68	165.00	130
51.00	24368	83.00	358	128.00	1635	169.00	51
52.00	1029	86.00	192	129.00	635	172.00	919
53.00	118	87.00	11249	130.00	1755	173.00	1905
54.00	51	88.00	10763	131.00	665	174.00	295040
55.00	1100	91.00	1414	134.00	216	175.00	20832
56.00	6136	92.00	11732	135.00	1092	176.00	283328
57.00	10152	93.00	18320	136.00	212	177.00	18856
58.00	546	94.00	45880	137.00	1026	178.00	540
60.00	3708	95.00	402112	139.00	94	193.00	75
61.00	17784	96.00	27104	140.00	319	207.00	76
62.00	19288	97.00	719	141.00	4804	241.00	68
63.00	13983	103.00	363	142.00	470	253.00	99
64.00	1370	104.00	1823	143.00	5363		

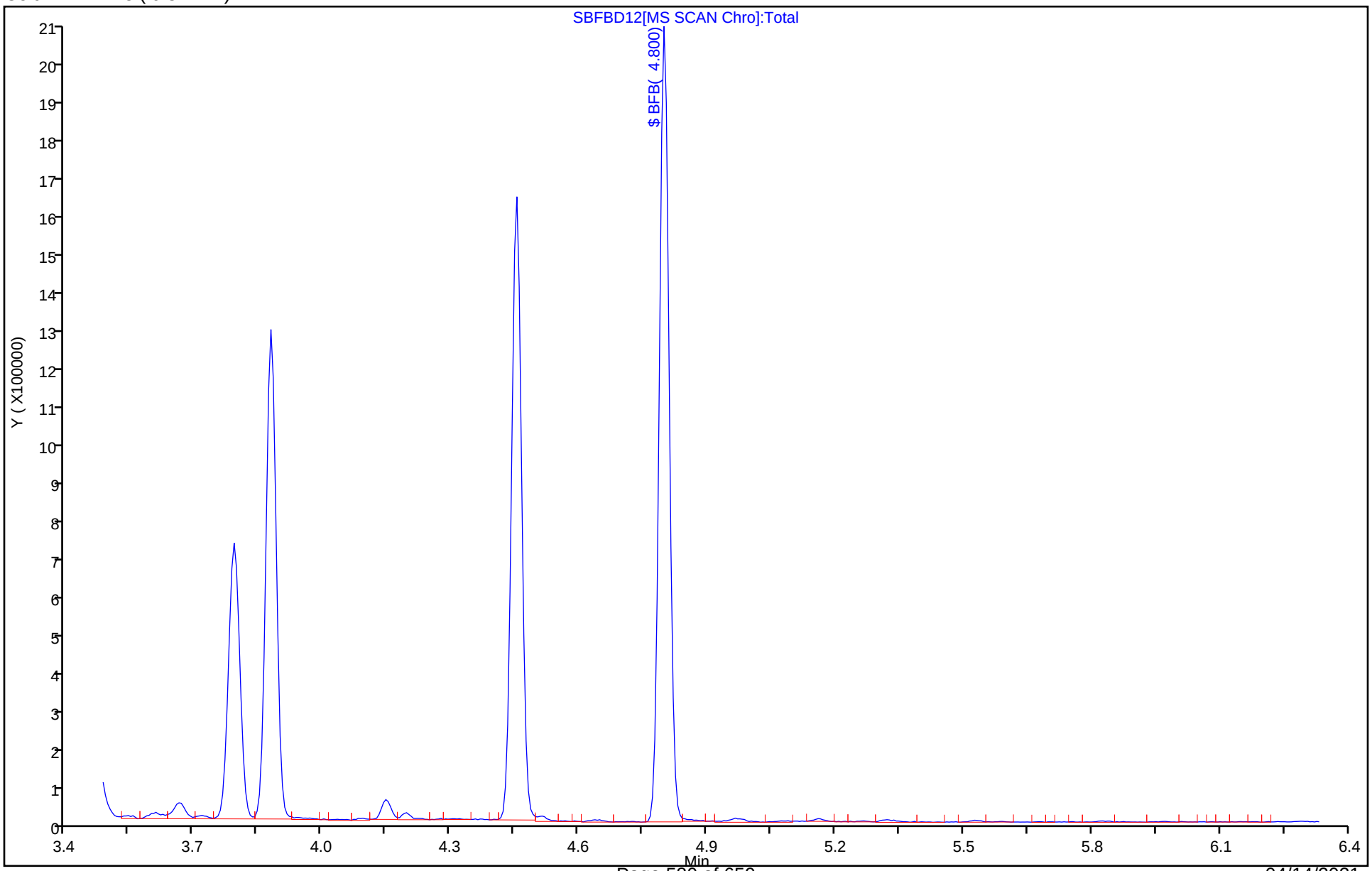
Report Date: 12-Apr-2021 15:15:14 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SBFBD12.D

Injection Date:	12-Apr-2021 08:03:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	500.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-48621/4

Matrix: Air Lab File ID: R500BD10.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 04/10/2021 10:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.080	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.080	
75-34-3	1,1-Dichloroethane	98.96	ND		0.080	
75-35-4	1,1-Dichloroethene	96.94	ND		0.040	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.080	
106-93-4	1,2-Dibromoethane	187.87	ND		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.080	
107-06-2	1,2-Dichloroethane	98.96	ND		0.080	
78-87-5	1,2-Dichloropropane	112.99	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.080	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.080	
123-91-1	1,4-Dioxane	88.11	ND		0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	
78-93-3	2-Butanone	72.11	ND		0.32	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.20	
71-43-2	Benzene	78.11	ND		0.080	
100-44-7	Benzyl chloride	126.58	ND		0.16	
75-27-4	Bromodichloromethane	163.83	ND		0.080	
75-25-2	Bromoform	252.75	ND		0.080	
74-83-9	Bromomethane	94.94	ND		0.080	
56-23-5	Carbon tetrachloride	153.81	ND		0.032	
108-90-7	Chlorobenzene	112.56	ND		0.080	
75-00-3	Chloroethane	64.52	ND		0.080	
67-66-3	Chloroform	119.38	ND		0.080	
74-87-3	Chloromethane	50.49	ND		0.20	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.080	
110-82-7	Cyclohexane	84.16	ND		0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-48621/4

Matrix: Air Lab File ID: R500BD10.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 04/10/2021 10:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		0.080	
75-71-8	Dichlorodifluoromethane	120.91	ND		0.080	
64-17-5	Ethanol	46.07	ND		2.0	
100-41-4	Ethylbenzene	106.17	ND		0.080	
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	
110-54-3	Hexane	86.17	ND		0.20	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.16	
75-09-2	Methylene Chloride	84.93	ND		0.40	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.080	
91-20-3	Naphthalene	128.17	ND		0.20	
95-47-6	o-Xylene	106.17	ND		0.080	
100-42-5	Styrene	104.15	ND		0.080	
75-65-0	t-Butyl alcohol	74.12	ND		0.32	
127-18-4	Tetrachloroethene	165.83	ND		0.080	
108-88-3	Toluene	92.14	ND		0.12	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.080	
79-01-6	Trichloroethene	131.39	ND		0.036	
75-69-4	Trichlorofluoromethane	137.37	ND		0.080	
75-01-4	Vinyl chloride	62.50	ND		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-48621/4

Matrix: Air Lab File ID: R500BD10.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 04/10/2021 10:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.44	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.55	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.44	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	ND		0.61	
75-34-3	1,1-Dichloroethane	98.96	ND		0.32	
75-35-4	1,1-Dichloroethene	96.94	ND		0.16	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.59	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.39	
106-93-4	1,2-Dibromoethane	187.87	ND		0.61	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.48	
107-06-2	1,2-Dichloroethane	98.96	ND		0.32	
78-87-5	1,2-Dichloropropane	112.99	ND		0.37	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	ND		0.56	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.39	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.48	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.48	
123-91-1	1,4-Dioxane	88.11	ND		0.72	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	
78-93-3	2-Butanone	72.11	ND		0.94	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.82	
71-43-2	Benzene	78.11	ND		0.26	
100-44-7	Benzyl chloride	126.58	ND		0.83	
75-27-4	Bromodichloromethane	163.83	ND		0.54	
75-25-2	Bromoform	252.75	ND		0.83	
74-83-9	Bromomethane	94.94	ND		0.31	
56-23-5	Carbon tetrachloride	153.81	ND		0.20	
108-90-7	Chlorobenzene	112.56	ND		0.37	
75-00-3	Chloroethane	64.52	ND		0.21	
67-66-3	Chloroform	119.38	ND		0.39	
74-87-3	Chloromethane	50.49	ND		0.41	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.16	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.36	
110-82-7	Cyclohexane	84.16	ND		0.69	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-48621/4

Matrix: Air Lab File ID: R500BD10.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 04/10/2021 10:33

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	ND		0.68	
75-71-8	Dichlorodifluoromethane	120.91	ND		0.40	
64-17-5	Ethanol	46.07	ND		3.8	
100-41-4	Ethylbenzene	106.17	ND		0.35	
87-68-3	Hexachlorobutadiene	260.76	ND		0.85	
110-54-3	Hexane	86.17	ND		0.70	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.58	
75-09-2	Methylene Chloride	84.93	ND		1.4	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.35	
91-20-3	Naphthalene	128.17	ND		1.0	
95-47-6	o-Xylene	106.17	ND		0.35	
100-42-5	Styrene	104.15	ND		0.34	
75-65-0	t-Butyl alcohol	74.12	ND		0.97	
127-18-4	Tetrachloroethene	165.83	ND		0.54	
108-88-3	Toluene	92.14	ND		0.45	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.32	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.36	
79-01-6	Trichloroethene	131.39	ND		0.19	
75-69-4	Trichlorofluoromethane	137.37	ND		0.45	
75-01-4	Vinyl chloride	62.50	ND		0.10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\R500BD10.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 10-Apr-2021 10:33:30 ALS Bottle#: 16 Worklist Smp#: 4
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018816-004
Misc. Info.: MB500
Operator ID: HMT Instrument ID: MR

Method: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Apr-2021 11:16:09 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: tajh Date: 12-Apr-2021 10:57:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.183	8.188	-0.005	93	323843	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.388	10.393	-0.005	97	1744064	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.236	15.241	-0.005	93	1357205	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.897	16.896	0.001	86	868034	4.64	4.38	
7 Propene	41	3.405	3.410	-0.005	89	3268		0.0306	7
11 Acetaldehyde	44	3.761	3.750	0.011	98	44872		1.04	
74 Chlorobenzene	112	15.284	15.290	-0.006	82	1664		0.006041	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

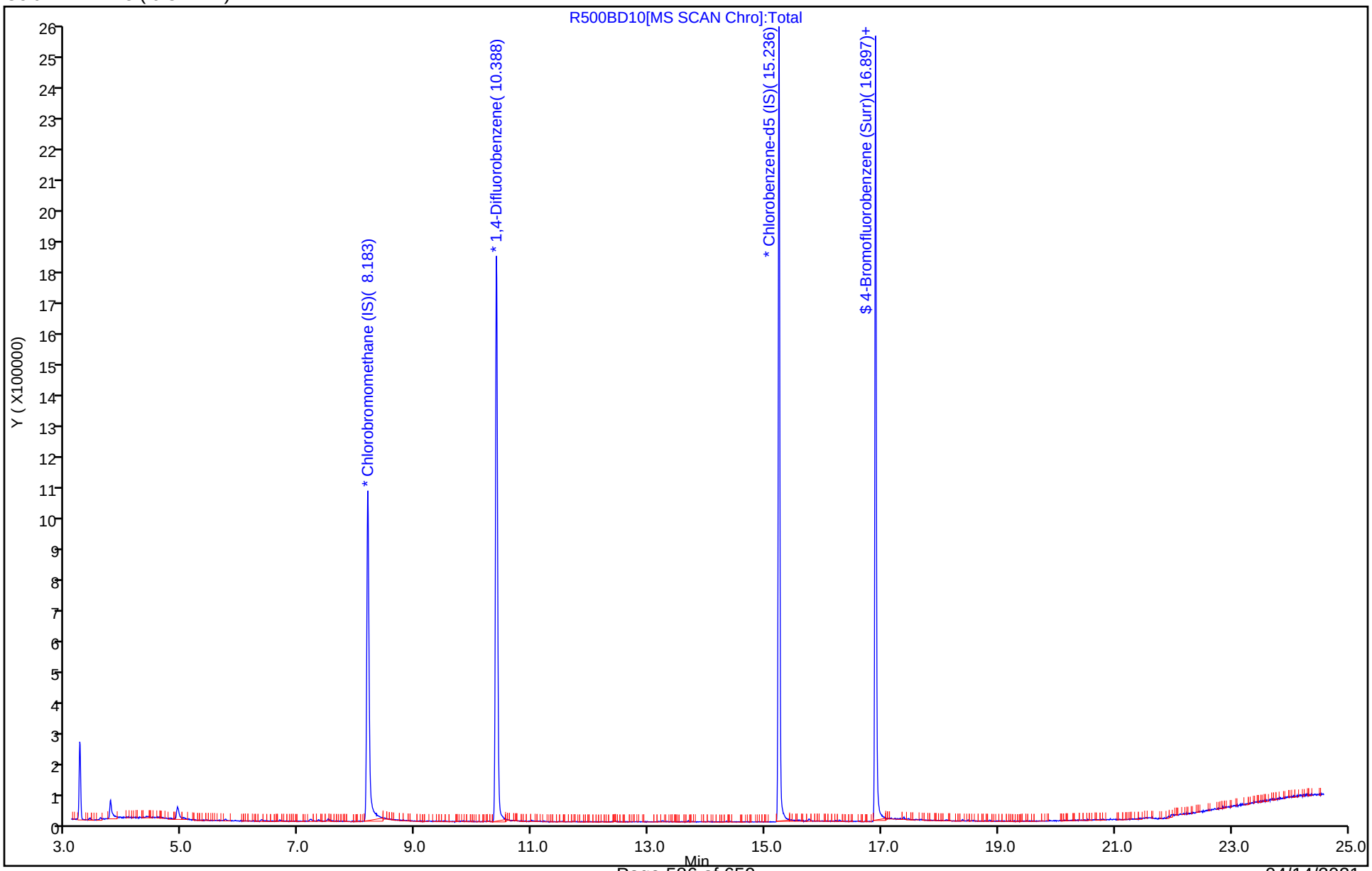
Report Date: 12-Apr-2021 11:16:15 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\R500BD10.D

Injection Date:	10-Apr-2021 10:33:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	MB			Worklist Smp#:	4
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\R500BD10.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	10-Apr-2021 10:33:30	ALS Bottle#:	16	Worklist Smp#:	4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018816-004				
Misc. Info.:	MB500				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Apr-2021 11:16:09	Calib Date:	17-Feb-2021 20:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1601				

First Level Reviewer: tajh Date: 12-Apr-2021 10:57:21

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.38	94.47

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-48707/4

Matrix: Air Lab File ID: S500BD12.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 04/12/2021 11:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48707 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
64-17-5	Ethanol	46.07	ND		2.0	
75-09-2	Methylene Chloride	84.93	ND		0.40	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	109		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-48707/4

Matrix: Air Lab File ID: S500BD12.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 04/12/2021 11:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48707 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
64-17-5	Ethanol	46.07	ND		3.8	
75-09-2	Methylene Chloride	84.93	ND		1.4	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	109		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\S500BD12.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 12-Apr-2021 11:18:30 ALS Bottle#: 16 Worklist Smp#: 4
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018849-004
Misc. Info.: 500ML BLK
Operator ID: HMT Instrument ID: MS

Method: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Apr-2021 15:15:15 Calib Date: 22-Feb-2021 22:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: tajh Date: 12-Apr-2021 13:39:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.244	9.244	0.000	92	179474	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.418	11.417	0.001	95	834485	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.087	16.087	0.000	90	690855	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.728	17.728	0.000	86	606667	4.64	5.04	
75 Chlorobenzene	112	16.135	16.135	0.000	1	1188		0.008595	

QC Flag Legend
Processing Flags

Reagents:
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

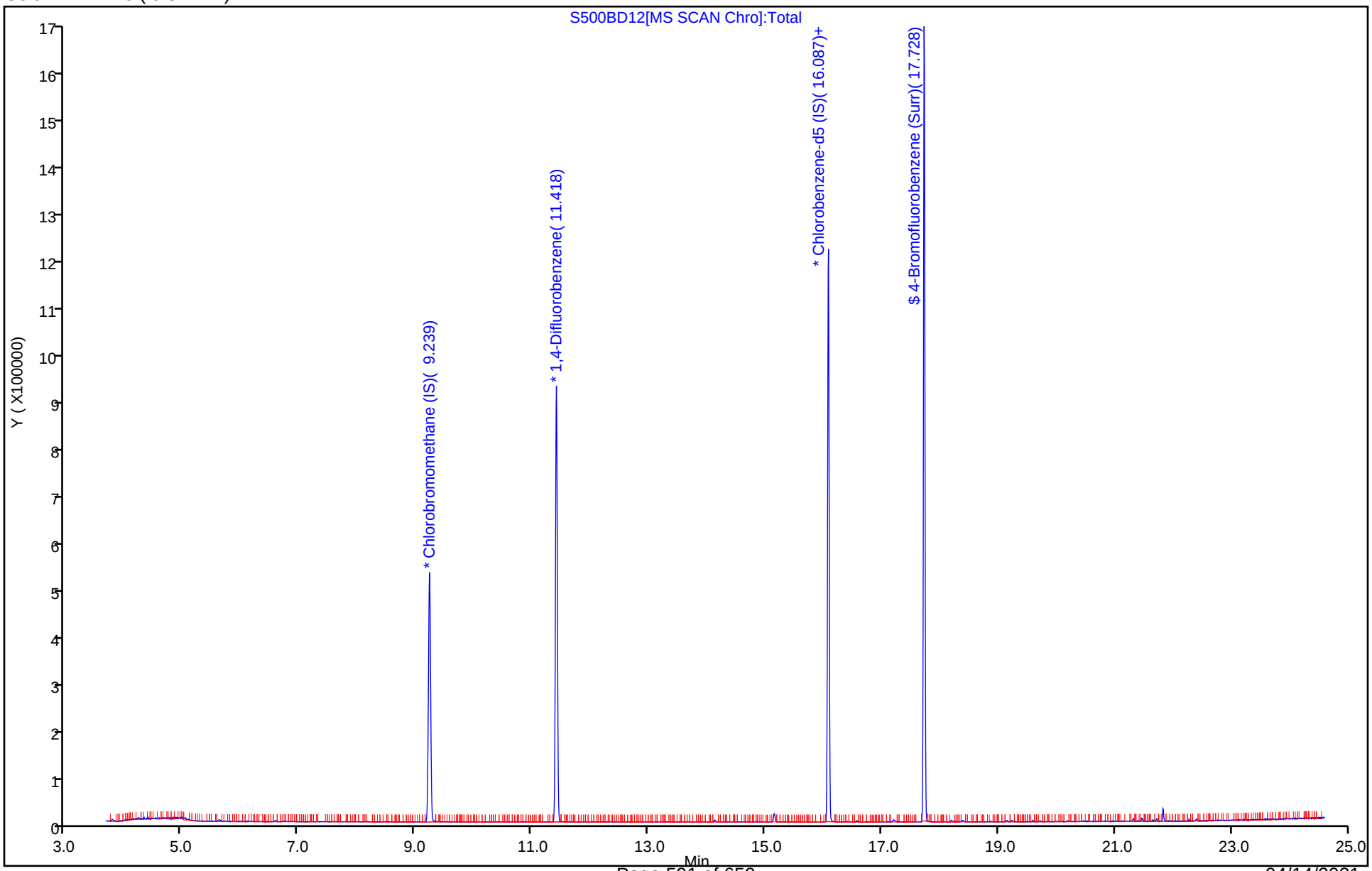
Report Date: 12-Apr-2021 15:15:25 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\S500BD12.D

Injection Date:	12-Apr-2021 11:18:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	MB			Worklist Smp#:	4
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MS\20210410-18849.b\S500BD12.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	12-Apr-2021 11:18:30	ALS Bottle#:	16	Worklist Smp#:	4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018849-004				
Misc. Info.:	500ML BLK				
Operator ID:	HMT	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210410-18849.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Apr-2021 15:15:15	Calib Date:	22-Feb-2021 22:12:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1601				
First Level Reviewer: tajh		Date:	12-Apr-2021 13:39:46		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	5.04	108.72

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-48724/8

Matrix: Air Lab File ID: R500BD13.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 04/13/2021 16:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48724 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
64-17-5	Ethanol	46.07	ND		2.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-48724/8

Matrix: Air Lab File ID: R500BD13.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 04/13/2021 16:04

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48724 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
64-17-5	Ethanol	46.07	ND		3.8	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210412-18858.b\R500BD13.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 13-Apr-2021 16:04:30 ALS Bottle#: 16 Worklist Smp#: 8
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018858-008
Misc. Info.: 500ML BLK
Operator ID: HMT Instrument ID: MR

Method: \\chromfs\Knoxville\ChromData\MR\20210412-18858.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Apr-2021 10:00:45 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: tajh Date: 14-Apr-2021 08:37:48

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
*	1 Chlorobromomethane (IS)	128	8.177	8.183	-0.006	98	422790	4.80	4.80	
*	2 1,4-Difluorobenzene	114	10.388	10.388	0.000	95	2366220	4.80	4.80	
*	3 Chlorobenzene-d5 (IS)	117	15.236	15.231	0.005	89	1862748	4.80	4.80	
$	4 4-Bromofluorobenzene (Surr)	95	16.891	16.891	0.000	90	1188428	4.64	4.37	
	7 Propene	41	3.410	3.405	0.005	87	1972		0.0142	7
	74 Chlorobenzene	112	15.279	15.279	0.000	83	2863		0.007573	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

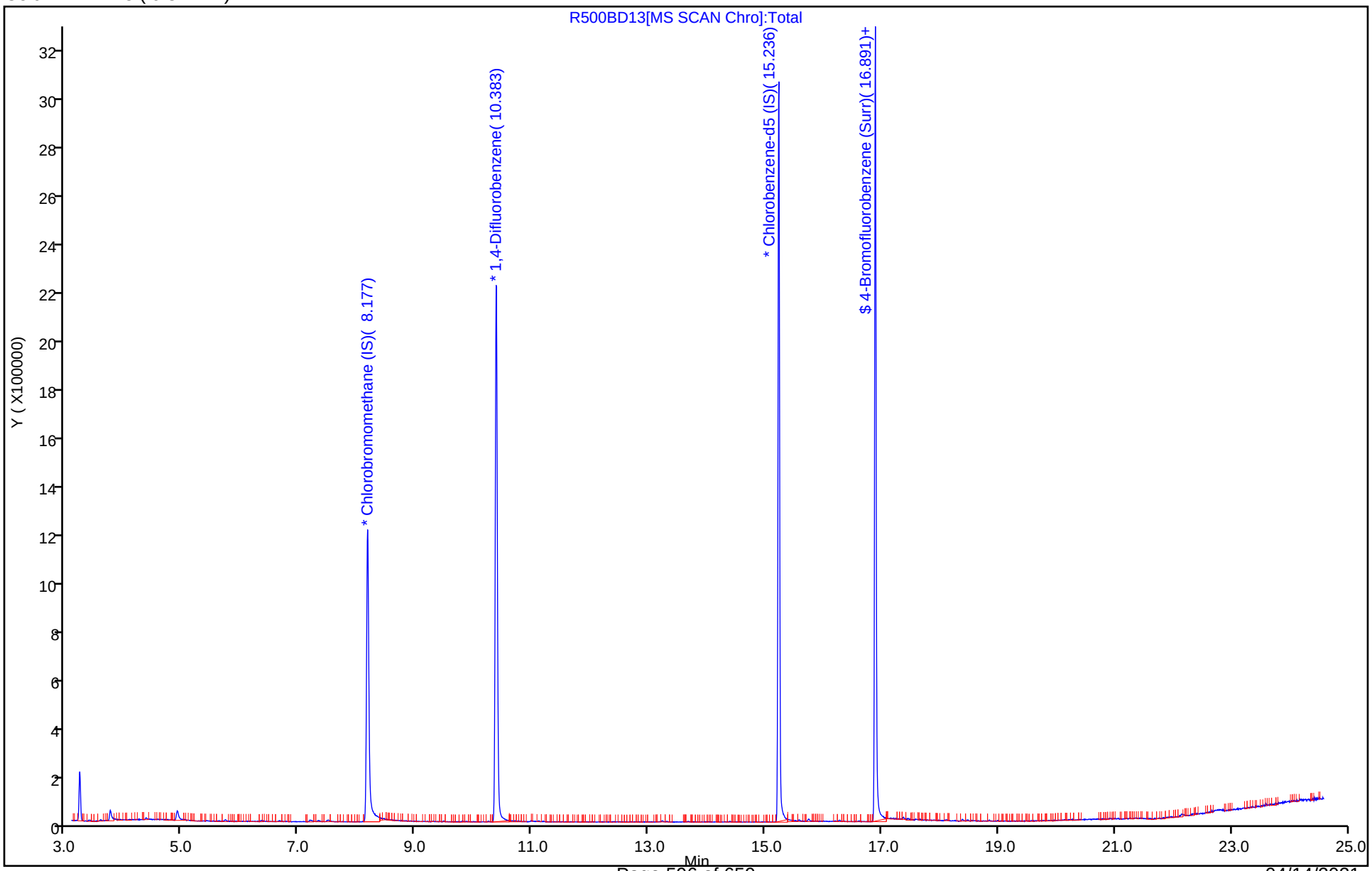
Report Date: 14-Apr-2021 10:00:56 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210412-18858.b\R500BD13.D

Injection Date:	13-Apr-2021 16:04:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	mb			Worklist Smp#:	8
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20210412-18858.b\R500BD13.D				
Lims ID:	mb				
Client ID:					
Sample Type:	MB				
Inject. Date:	13-Apr-2021 16:04:30	ALS Bottle#:	16	Worklist Smp#:	8
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018858-008				
Misc. Info.:	500ML BLK				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210412-18858.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	14-Apr-2021 10:00:45	Calib Date:	17-Feb-2021 20:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1682				
First Level Reviewer: tajh		Date:	14-Apr-2021 08:37:48		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.37	94.24

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-48621/1002

Matrix: Air Lab File ID: RCCVD10-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 04/10/2021 07:56

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	1.94		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.15		0.080	
79-00-5	1,1,2-Trichloroethane	133.41	2.07		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	187.38	2.09		0.080	
75-34-3	1,1-Dichloroethane	98.96	2.09		0.080	
75-35-4	1,1-Dichloroethene	96.94	1.95		0.040	
120-82-1	1,2,4-Trichlorobenzene	181.45	1.85		0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	1.97		0.080	
106-93-4	1,2-Dibromoethane	187.87	1.88		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	1.82		0.080	
107-06-2	1,2-Dichloroethane	98.96	2.07		0.080	
78-87-5	1,2-Dichloropropane	112.99	1.98		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	170.92	2.22		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	2.04		0.080	
541-73-1	1,3-Dichlorobenzene	147.00	1.90		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	1.79		0.080	
123-91-1	1,4-Dioxane	88.11	1.85		0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	2.04		0.20	
78-93-3	2-Butanone	72.11	2.16		0.32	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	2.25		0.20	
71-43-2	Benzene	78.11	2.25		0.080	
100-44-7	Benzyl chloride	126.58	2.29		0.16	
75-27-4	Bromodichloromethane	163.83	2.09		0.080	
75-25-2	Bromoform	252.75	1.79		0.080	
74-83-9	Bromomethane	94.94	2.30		0.080	
56-23-5	Carbon tetrachloride	153.81	1.90		0.032	
108-90-7	Chlorobenzene	112.56	1.81		0.080	
75-00-3	Chloroethane	64.52	2.44		0.080	
67-66-3	Chloroform	119.38	2.24		0.080	
74-87-3	Chloromethane	50.49	2.29		0.20	
156-59-2	cis-1,2-Dichloroethene	96.94	1.94		0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	2.06		0.080	
110-82-7	Cyclohexane	84.16	2.19		0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-48621/1002

Matrix: Air Lab File ID: RCCVD10-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 04/10/2021 07:56

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48621 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
124-48-1	Dibromochloromethane	208.28	1.87		0.080	
75-71-8	Dichlorodifluoromethane	120.91	2.50		0.080	
64-17-5	Ethanol	46.07	13.5		2.0	
100-41-4	Ethylbenzene	106.17	1.91		0.080	
87-68-3	Hexachlorobutadiene	260.76	1.51		0.080	
110-54-3	Hexane	86.17	2.09		0.20	
1634-04-4	Methyl tert-butyl ether	88.15	2.23		0.16	
75-09-2	Methylene Chloride	84.93	2.25		0.40	
179601-23-1	m-Xylene & p-Xylene	106.17	4.02		0.080	
91-20-3	Naphthalene	128.17	2.11		0.20	
95-47-6	o-Xylene	106.17	1.97		0.080	
100-42-5	Styrene	104.15	2.07		0.080	
75-65-0	t-Butyl alcohol	74.12	2.40		0.32	
127-18-4	Tetrachloroethene	165.83	1.74		0.080	
108-88-3	Toluene	92.14	1.94		0.12	
156-60-5	trans-1,2-Dichloroethene	96.94	2.15		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	2.05		0.080	
79-01-6	Trichloroethene	131.39	1.67		0.036	
75-69-4	Trichlorofluoromethane	137.37	2.31		0.080	
75-01-4	Vinyl chloride	62.50	2.48		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	109		60-140

Eurofins Environment Testing America
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RCCVD10-LCS.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 10-Apr-2021 07:56:30 ALS Bottle#: 7 Worklist Smp#: 1002
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018816-002
Misc. Info.: S141 100ML
Operator ID: HMT Instrument ID: MR

Method: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Apr-2021 11:16:09 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: tajh Date: 12-Apr-2021 10:56:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.188	8.188	0.000	91	322235	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.393	10.393	0.000	97	1706610	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.241	15.241	0.000	92	1416197	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.896	16.896	0.000	85	1045592	4.64	5.06	
6 Chlorodifluoromethane	51	3.399	3.399	0.000	97	524920	2.00	2.31	
7 Propene	41	3.410	3.410	0.000	99	255739	2.00	2.41	
8 Dichlorodifluoromethane	85	3.453	3.453	0.000	99	375486	2.00	2.50	
9 Chloromethane	52	3.615	3.615	0.000	98	89624	2.00	2.29	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.620	3.620	0.000	93	334470	2.00	2.22	
11 Acetaldehyde	44	3.750	3.750	0.000	99	505758	10.0	11.8	
12 Vinyl chloride	62	3.766	3.766	0.000	99	296453	2.00	2.48	
14 Butadiene	54	3.842	3.842	0.000	63	226927	2.00	2.42	
13 Butane	43	3.842	3.842	0.000	86	471989	2.00	2.79	
15 Bromomethane	94	4.127	4.127	0.000	99	222057	2.00	2.30	
16 Chloroethane	64	4.251	4.251	0.000	94	116609	2.00	2.44	
17 Ethanol	31	4.348	4.348	0.000	96	492407	10.0	13.5	
18 Vinyl bromide	106	4.516	4.516	0.000	98	215910	2.00	2.49	
19 2-Methylbutane	43	4.564	4.564	0.000	94	344374	2.00	3.01	
20 Trichlorofluoromethane	101	4.758	4.758	0.000	99	590374	2.00	2.31	
21 Acrolein	56	4.774	4.774	0.000	93	83433	2.00	2.70	
22 Acetonitrile	40	4.834	4.834	0.000	99	88102	2.00	2.60	
23 Acetone	58	4.882	4.882	0.000	98	120036	6.00	2.16	
24 Pentane	72	4.963	4.963	0.000	96	32991	2.00	2.52	
25 Isopropyl alcohol	45	4.969	4.969	0.000	92	478102	6.00	3.12	
26 Ethyl ether	31	5.125	5.125	0.000	91	331774	2.00	2.89	
27 1,1-Dichloroethene	96	5.411	5.411	0.000	93	208917	2.00	1.95	
28 Acrylonitrile	53	5.513	5.513	0.000	94	155037	2.00	2.20	
29 2-Methyl-2-propanol	59	5.529	5.529	0.000	97	491795	2.00	2.40	
30 112TCTFE	101	5.583	5.583	0.000	91	461222	2.00	2.09	
31 Methylene Chloride	84	5.740	5.740	0.000	95	200550	2.00	2.25	
32 3-Chloro-1-propene	39	5.756	5.756	0.000	95	248419	2.00	2.58	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Carbon disulfide	76	5.891	5.891	0.000	100	651014	2.00	2.21	
34 trans-1,2-Dichloroethene	96	6.505	6.505	0.000	94	200784	2.00	2.15	
35 2-Methylpentane	43	6.532	6.532	0.000	96	606856	2.00	2.12	
36 Methyl tert-butyl ether	73	6.640	6.640	0.000	96	612318	2.00	2.23	
37 1,1-Dichloroethane	63	6.910	6.910	0.000	99	477053	2.00	2.09	
38 Vinyl acetate	43	7.023	7.023	0.000	100	636770	2.00	2.37	
39 2-Butanone (MEK)	72	7.454	7.454	0.000	96	107435	2.00	2.16	
40 Hexane	56	7.481	7.481	0.000	89	207189	2.00	2.09	
41 Isopropyl ether	45	7.638	7.638	0.000	96	993649	2.00	2.36	
42 cis-1,2-Dichloroethene	96	7.864	7.864	0.000	98	210201	2.00	1.94	
43 Ethyl acetate	43	8.064	8.064	0.000	98	595194	2.00	2.24	
44 Chloroform	83	8.204	8.204	0.000	96	491594	2.00	2.24	
45 Tert-butyl ethyl ether	59	8.306	8.306	0.000	97	745897	2.00	2.03	
46 Tetrahydrofuran	42	8.598	8.598	0.000	93	316093	2.00	2.18	
47 1,1,1-Trichloroethane	97	9.207	9.207	0.000	94	434199	2.00	1.94	
48 1,2-Dichloroethane	62	9.315	9.315	0.000	96	337348	2.00	2.07	
49 n-Butanol	31	9.811	9.811	0.000	68	126785	2.00	2.72	
50 Cyclohexane	69	9.811	9.811	0.000	78	110020	2.00	2.19	
51 Benzene	78	9.811	9.811	0.000	96	722704	2.00	2.25	
52 Carbon tetrachloride	117	9.832	9.832	0.000	92	394785	2.00	1.90	
53 2,3-Dimethylpentane	71	9.951	9.951	0.000	93	147288	2.00	1.96	
54 Thiophene	84	10.091	10.091	0.000	97	358417	2.00	1.87	
55 Isooctane	57	10.625	10.625	0.000	97	1306492	2.00	2.04	
56 n-Heptane	71	11.030	11.030	0.000	95	232804	2.00	2.01	
57 1,2-Dichloropropane	63	11.083	11.083	0.000	92	312200	2.00	1.98	
58 Trichloroethene	130	11.132	11.132	0.000	91	236397	2.00	1.67	
59 Dibromomethane	93	11.202	11.202	0.000	87	257417	2.00	2.02	
60 Dichlorobromomethane	83	11.364	11.364	0.000	96	470590	2.00	2.09	
61 1,4-Dioxane	88	11.391	11.391	0.000	95	90569	2.00	1.85	
62 Methyl methacrylate	41	11.482	11.482	0.000	88	352809	2.00	2.23	
63 Methylcyclohexane	83	11.919	11.919	0.000	89	477075	2.00	2.27	
64 4-Methyl-2-pentanone (MIBK)	43	12.356	12.356	0.000	97	676908	2.00	2.25	
65 cis-1,3-Dichloropropene	75	12.399	12.399	0.000	99	365467	2.00	2.06	
66 trans-1,3-Dichloropropene	75	13.122	13.122	0.000	94	292091	2.00	2.05	
67 Toluene	91	13.240	13.240	0.000	93	754342	2.00	1.94	
68 1,1,2-Trichloroethane	83	13.316	13.316	0.000	94	254948	2.00	2.07	
69 2-Hexanone	58	13.726	13.726	0.000	90	288779	2.00	2.08	
70 n-Octane	85	13.968	13.968	0.000	98	218442	2.00	1.90	
71 Chlorodibromomethane	129	14.028	14.028	0.000	95	386377	2.00	1.87	
72 Ethylene Dibromide	107	14.319	14.319	0.000	97	368290	2.00	1.88	
73 Tetrachloroethene	129	14.400	14.400	0.000	90	238722	2.00	1.74	
74 Chlorobenzene	112	15.290	15.290	0.000	89	519321	2.00	1.81	
75 2,3-Dimethylheptane	43	15.333	15.333	0.000	93	883347	2.00	2.07	
76 Ethylbenzene	91	15.586	15.586	0.000	99	935699	2.00	1.91	
77 m-Xylene & p-Xylene	91	15.753	15.753	0.000	98	1517665	4.00	4.02	
79 Bromoform	173	16.185	16.185	0.000	91	359263	2.00	1.79	
78 n-Nonane	57	16.195	16.195	0.000	95	624541	2.00	2.35	
80 Styrene	104	16.217	16.217	0.000	97	513665	2.00	2.07	
81 o-Xylene	91	16.276	16.276	0.000	98	746730	2.00	1.97	
82 1,1,2,2-Tetrachloroethane	83	16.600	16.600	0.000	98	621821	2.00	2.15	
83 1,2,3-Trichloropropane	110	16.762	16.762	0.000	95	129919	2.00	1.84	
84 Isopropylbenzene	105	16.875	16.875	0.000	97	1023684	2.00	2.02	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	120	17.425	17.425	0.000	98	265140	2.00	1.86	
86 2-Chlorotoluene	126	17.463	17.463	0.000	97	236604	2.00	1.90	
87 4-Ethyltoluene	105	17.581	17.581	0.000	98	919136	2.00	1.81	
88 1,3,5-Trimethylbenzene	120	17.662	17.662	0.000	91	432731	2.00	2.04	
89 Alpha Methyl Styrene	118	17.899	17.899	0.000	86	371128	2.00	1.87	
90 n-Decane	57	17.980	17.980	0.000	87	801280	2.00	2.30	
91 tert-Butylbenzene	119	18.099	18.099	0.000	88	828139	2.00	1.95	
92 1,2,4-Trimethylbenzene	105	18.115	18.115	0.000	97	843290	2.00	1.97	
93 sec-Butylbenzene	105	18.379	18.379	0.000	98	1257548	2.00	2.11	
94 1,3-Dichlorobenzene	146	18.385	18.385	0.000	97	497710	2.00	1.90	
95 Benzyl chloride	91	18.466	18.466	0.000	96	641654	2.00	2.29	
96 1,4-Dichlorobenzene	146	18.476	18.476	0.000	93	460998	2.00	1.79	
97 4-Isopropyltoluene	119	18.552	18.552	0.000	96	910534	2.00	1.85	
98 1,2,3-Trimethylbenzene	105	18.595	18.595	0.000	99	609015	2.00	1.35	
99 Butylcyclohexane	83	18.665	18.665	0.000	89	740288	2.00	2.02	
101 1,2-Dichlorobenzene	146	18.843	18.843	0.000	89	474977	2.00	1.82	
100 2,3-Dihydroindene	117	18.848	18.848	0.000	94	704308	2.00	1.93	
102 Indene	116	18.978	18.978	0.000	89	506460	2.00	1.71	
103 n-Butylbenzene	91	18.994	18.994	0.000	96	1114682	2.00	2.34	
104 Undecane	57	19.334	19.334	0.000	93	975730	2.00	2.44	
105 1,2-Dibromo-3-Chloropropane	157	19.463	19.463	0.000	86	188970	2.00	1.53	
106 1,2,4,5-Tetramethylbenzene	119	19.771	19.771	0.000	95	870820	2.00	1.87	
107 Dodecane	57	20.396	20.396	0.000	91	982853	2.00	2.41	
108 1,2,4-Trichlorobenzene	180	20.558	20.558	0.000	93	398026	2.00	1.85	
109 Naphthalene	128	20.693	20.693	0.000	98	977930	2.00	2.11	
110 Hexachlorobutadiene	225	20.919	20.919	0.000	91	387671	2.00	1.51	
111 1,2,3-Trichlorobenzene	180	20.978	20.978	0.000	93	413735	2.00	1.91	
112 2-Methylnaphthalene	142	21.755	21.755	0.000	98	112546	2.00	0.9183	
113 1-Methylnaphthalene	142	21.890	21.890	0.000	98	249047	2.00	1.74	
A 116 C8 Range	1	13.974	(13.920-14.017)		0	4280061	2.00	3.48	
S 117 Xylenes, Total	100				0		6.00	5.98	
S 118 1,2-Dichloroethene, Total	1				0		4.00	4.09	

QC Flag Legend

Processing Flags

Reagents:

40CV101P_00138	Amount Added: 100.00	Units: ml	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

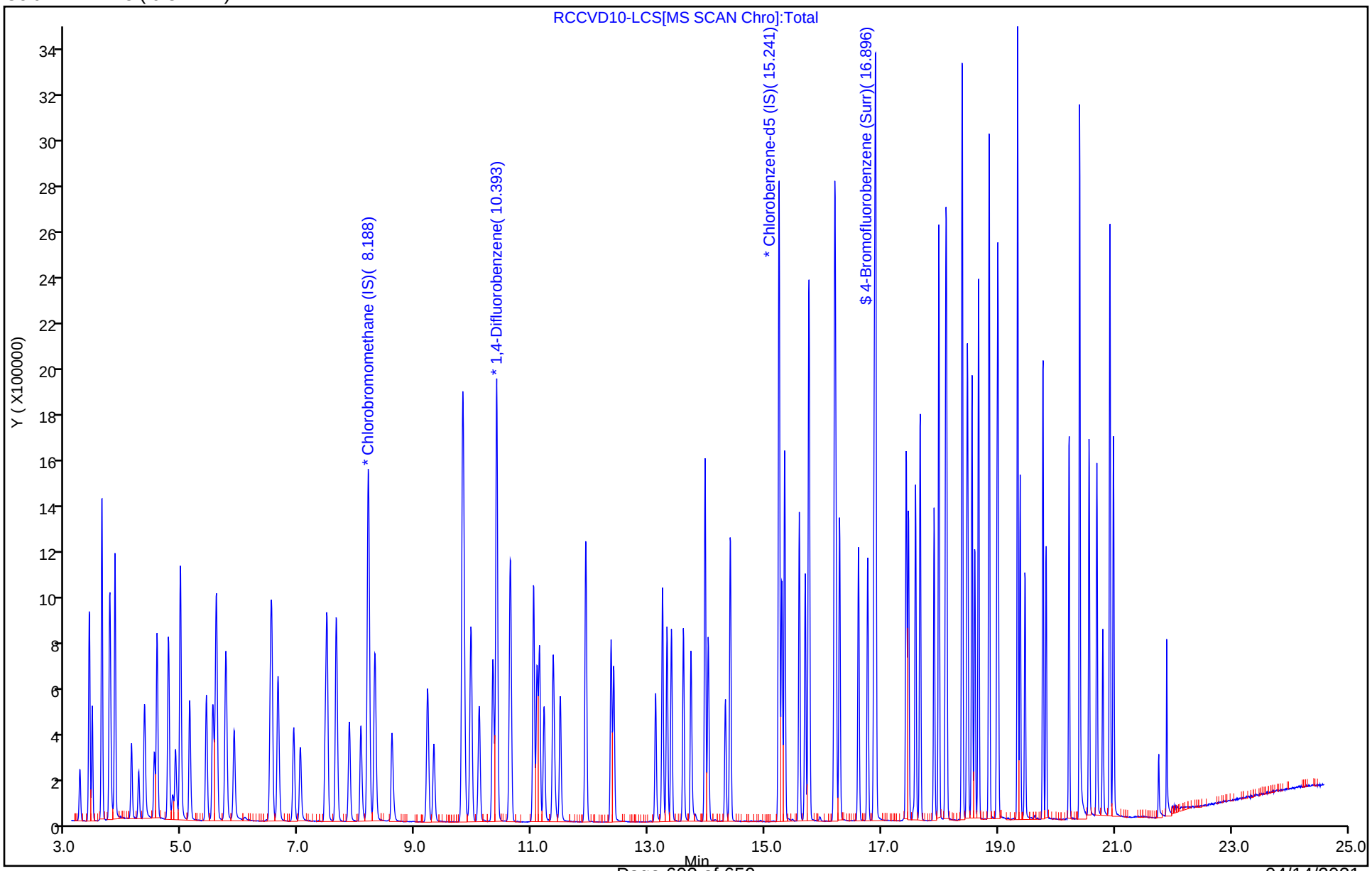
Report Date: 12-Apr-2021 11:16:13 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins Environment Testing America

Data File: \\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RCCVD10-LCS.d

Injection Date:	10-Apr-2021 07:56:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	LCS			Worklist Smp#:	1002
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins Environment Testing America
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\RCCVD10-LCS.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	10-Apr-2021 07:56:30	ALS Bottle#:	7	Worklist Smp#:	1002
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018816-002				
Misc. Info.:	S141 100ML				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210408-18816.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Apr-2021 11:16:09	Calib Date:	17-Feb-2021 20:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1601				

First Level Reviewer: tajh Date: 12-Apr-2021 10:56:55

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	5.06	109.06

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-48707/1002

Matrix: Air Lab File ID: SCCVD12-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 04/12/2021 08:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48707 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
64-17-5	Ethanol	46.07	6.42		2.0	
75-09-2	Methylene Chloride	84.93	1.74		0.40	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	122		60-140

Eurofins Environment Testing America
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SCCVD12-LCS.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 12-Apr-2021 08:30:30 ALS Bottle#: 5 Worklist Smp#: 1002
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018849-002
Misc. Info.: P137 100ML
Operator ID: HMT Instrument ID: MS

Method: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 13-Apr-2021 08:54:09 Calib Date: 22-Feb-2021 22:12:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1657

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.244	9.244	0.000	95	163449	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.417	11.417	0.000	96	767146	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.087	16.087	0.000	91	644056	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.728	17.728	0.000	85	635492	4.64	5.67	
6 Chlorodifluoromethane	51	3.811	3.811	0.000	95	193953	2.00	2.16	
7 Propene	41	3.827	3.827	0.000	97	78363	2.00	1.75	
8 Dichlorodifluoromethane	85	3.881	3.881	0.000	99	355252	2.00	2.70	
9 Chloromethane	52	4.074	4.074	0.000	52	18969	2.00	1.37	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.080	0.000	91	191558	2.00	2.68	
11 Acetaldehyde	44	4.241	4.241	0.000	95	106992	10.0	6.17	
12 Vinyl chloride	62	4.263	4.263	0.000	98	69620	2.00	1.75	
14 Butane	43	4.354	4.354	0.000	82	78651	2.00	1.34	
13 Butadiene	54	4.359	4.359	0.000	76	47019	2.00	1.49	
15 Bromomethane	94	4.704	4.704	0.000	97	77238	2.00	2.13	
16 Chloroethane	64	4.860	4.860	0.000	97	24718	2.00	1.58	
17 Ethanol	31	4.951	4.951	0.000	93	103372	10.0	6.42	
18 Vinyl bromide	106	5.188	5.188	0.000	98	90460	2.00	1.86	
19 2-Methylbutane	43	5.236	5.236	0.000	90	111625	2.00	1.63	
20 Trichlorofluoromethane	101	5.473	5.473	0.000	99	358942	2.00	2.86	
21 Acrolein	56	5.484	5.484	0.000	91	32886	2.00	1.90	
22 Acetonitrile	40	5.559	5.559	0.000	99	42148	2.00	1.64	
23 Acetone	58	5.602	5.602	0.000	99	142902	6.00	4.75	
24 Isopropyl alcohol	45	5.688	5.688	0.000	96	429724	6.00	5.77	
25 Pentane	72	5.710	5.710	0.000	96	10661	2.00	1.77	
26 Ethyl ether	31	5.882	5.882	0.000	93	93481	2.00	1.38	
27 1,1-Dichloroethene	96	6.226	6.226	0.000	92	89287	2.00	1.79	
29 2-Methyl-2-propanol	59	6.318	6.318	0.000	95	192686	2.00	2.30	
28 Acrylonitrile	53	6.334	6.334	0.000	91	74084	2.00	1.75	
30 112TCTFE	101	6.414	6.414	0.000	94	230171	2.00	2.18	
31 Methylene Chloride	84	6.597	6.597	0.000	98	86140	2.00	1.74	
32 3-Chloro-1-propene	39	6.614	6.614	0.000	96	85501	2.00	1.74	
33 Carbon disulfide	76	6.770	6.770	0.000	99	263433	2.00	1.62	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
34 trans-1,2-Dichloroethene	96	7.442	7.442	0.000	93	88503	2.00	1.76	
35 2-Methylpentane	43	7.458	7.458	0.000	94	214863	2.00	1.60	
36 Methyl tert-butyl ether	73	7.560	7.560	0.000	96	258381	2.00	2.04	
37 1,1-Dichloroethane	63	7.883	7.883	0.000	99	203229	2.00	1.94	
38 Vinyl acetate	43	7.980	7.980	0.000	100	202858	2.00	1.55	
39 2-Butanone (MEK)	72	8.448	8.448	0.000	96	39097	2.00	1.44	
40 Hexane	56	8.475	8.475	0.000	90	74632	2.00	1.72	
41 Isopropyl ether	45	8.625	8.625	0.000	96	319478	2.00	1.64	
42 cis-1,2-Dichloroethene	96	8.900	8.900	0.000	99	92003	2.00	1.67	
43 Ethyl acetate	43	9.067	9.067	0.000	98	218964	2.00	1.67	
44 Chloroform	83	9.250	9.250	0.000	68	250862	2.00	2.19	
45 Tert-butyl ethyl ether	59	9.319	9.319	0.000	96	321127	2.00	1.96	
46 Tetrahydrofuran	42	9.648	9.648	0.000	93	99220	2.00	1.49	
47 1,1,1-Trichloroethane	97	10.304	10.304	0.000	95	271247	2.00	2.55	
48 1,2-Dichloroethane	62	10.411	10.411	0.000	98	183130	2.00	2.60	
49 n-Butanol	31	10.815	10.815	0.000	91	30954	2.00	1.29	
51 Benzene	78	10.896	10.896	0.000	98	270817	2.00	1.70	
50 Cyclohexane	69	10.896	10.896	0.000	68	38629	2.00	1.59	
52 Carbon tetrachloride	117	10.912	10.912	0.000	97	296721	2.00	3.50	
53 2,3-Dimethylpentane	71	10.998	10.998	0.000	90	53675	2.00	1.62	
54 Thiophene	84	11.159	11.159	0.000	99	156150	2.00	1.79	
55 Isooctane	57	11.627	11.627	0.000	96	464959	2.00	1.73	
56 n-Heptane	71	11.993	11.993	0.000	92	78270	2.00	1.56	
57 1,2-Dichloropropane	63	12.090	12.090	0.000	90	119631	2.00	1.78	
58 Trichloroethene	130	12.122	12.122	0.000	91	123258	2.00	2.02	
59 Dibromomethane	93	12.214	12.214	0.000	91	138017	2.00	2.24	
61 1,4-Dioxane	88	12.348	12.348	0.000	93	41820	2.00	1.79	
60 Dichlorobromomethane	83	12.348	12.348	0.000	99	257760	2.00	2.51	
62 Methyl methacrylate	41	12.423	12.423	0.000	90	134277	2.00	1.83	
63 Methylcyclohexane	83	12.881	12.881	0.000	91	150664	2.00	1.62	
64 4-Methyl-2-pentanone (MIBK)	43	13.257	13.257	0.000	98	228610	2.00	1.69	
65 cis-1,3-Dichloropropene	75	13.333	13.333	0.000	95	168345	2.00	1.99	
66 trans-1,3-Dichloropropene	75	14.016	14.016	0.000	97	154796	2.00	2.15	
67 Toluene	91	14.140	14.140	0.000	92	336529	2.00	1.82	
68 1,1,2-Trichloroethane	83	14.209	14.209	0.000	97	112091	2.00	1.89	
69 2-Hexanone	58	14.575	14.575	0.000	92	103205	2.00	1.69	
70 n-Octane	85	14.796	14.796	0.000	94	86038	2.00	1.80	
71 Chlorodibromomethane	129	14.909	14.909	0.000	97	258522	2.00	2.90	
72 Ethylene Dibromide	107	15.199	15.199	0.000	98	204089	2.00	2.17	
73 Tetrachloroethene	129	15.269	15.269	0.000	90	144909	2.00	2.28	
74 2,3-Dimethylheptane	43	16.130	16.130	0.000	93	342613	2.00	1.83	
75 Chlorobenzene	112	16.135	16.135	0.000	91	272557	2.00	2.12	
76 Ethylbenzene	91	16.410	16.410	0.000	100	463702	2.00	1.97	
77 m-Xylene & p-Xylene	91	16.571	16.571	0.000	100	787276	4.00	4.28	
78 n-Nonane	57	16.975	16.975	0.000	93	236596	2.00	1.85	
79 Bromoform	173	17.034	17.034	0.000	94	250601	2.00	3.24	
80 Styrene	104	17.039	17.039	0.000	98	264036	2.00	2.13	
81 o-Xylene	91	17.104	17.104	0.000	97	431373	2.00	2.20	
82 1,1,2,2-Tetrachloroethane	83	17.432	17.432	0.000	98	293005	2.00	2.01	
83 1,2,3-Trichloropropane	110	17.593	17.593	0.000	98	78720	2.00	2.69	
84 Isopropylbenzene	105	17.695	17.695	0.000	96	540055	2.00	2.17	
85 N-Propylbenzene	120	18.223	18.223	0.000	98	137952	2.00	2.09	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 2-Chlorotoluene	126	18.276	18.276	0.000	97	140639	2.00	2.28	
87 4-Ethyltoluene	105	18.373	18.373	0.000	98	580912	2.00	2.28	
88 1,3,5-Trimethylbenzene	120	18.443	18.443	0.000	90	215275	2.00	2.21	
89 Alpha Methyl Styrene	118	18.669	18.669	0.000	86	221795	2.00	2.29	
90 n-Decane	57	18.712	18.712	0.000	89	357552	2.00	2.11	
91 tert-Butylbenzene	119	18.863	18.863	0.000	91	524982	2.00	2.44	
92 1,2,4-Trimethylbenzene	105	18.879	18.879	0.000	96	541665	2.00	2.50	
93 sec-Butylbenzene	105	19.132	19.132	0.000	98	718809	2.00	2.29	
94 1,3-Dichlorobenzene	146	19.153	19.153	0.000	98	323708	2.00	2.52	
95 Benzyl chloride	91	19.223	19.223	0.000	97	410003	2.00	2.78	
96 1,4-Dichlorobenzene	146	19.239	19.239	0.000	93	321241	2.00	2.54	
97 4-Isopropyltoluene	119	19.288	19.288	0.000	96	623357	2.00	2.52	
98 1,2,3-Trimethylbenzene	105	19.347	19.347	0.000	99	561284	2.00	2.71	
99 Butylcyclohexane	83	19.395	19.395	0.000	91	404527	2.00	2.14	
100 2,3-Dihydroindene	117	19.594	19.594	0.000	91	489050	2.00	2.46	
101 1,2-Dichlorobenzene	146	19.594	19.594	0.000	81	330823	2.00	2.62	
102 n-Butylbenzene	91	19.718	19.718	0.000	95	672364	2.00	2.46	
103 Indene	116	19.724	19.724	0.000	88	415686	2.00	2.51	
104 Undecane	57	20.009	20.009	0.000	94	414160	2.00	2.14	
105 1,2-Dibromo-3-Chloropropane	157	20.186	20.186	0.000	90	159378	2.00	2.91	
106 1,2,4,5-Tetramethylbenzene	119	20.471	20.471	0.000	93	646911	2.00	2.56	
107 Dodecane	57	21.085	21.085	0.000	96	430915	2.00	2.17	
108 1,2,4-Trichlorobenzene	180	21.321	21.321	0.000	94	240803	2.00	2.58	
109 Naphthalene	128	21.467	21.467	0.000	99	573033	2.00	2.18	
110 Hexachlorobutadiene	225	21.655	21.655	0.000	95	279391	2.00	3.31	
111 1,2,3-Trichlorobenzene	180	21.719	21.719	0.000	94	192073	2.00	2.52	
112 2-Methylnaphthalene	142	22.273	22.273	0.000	97	182974	2.00	4.82	
113 1-Methylnaphthalene	142	22.403	22.403	0.000	98	188121	2.00	3.61	
A 115 C8 Range	1	14.801	(14.758-14.844)		0	974944	2.00	1.82	
S 116 Xylenes, Total	100				0		6.00	6.49	
S 117 1,2-Dichloroethene, Total	1				0		4.00	3.43	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent
40CV101P_00137	Amount Added: 100.00	Units: ml	

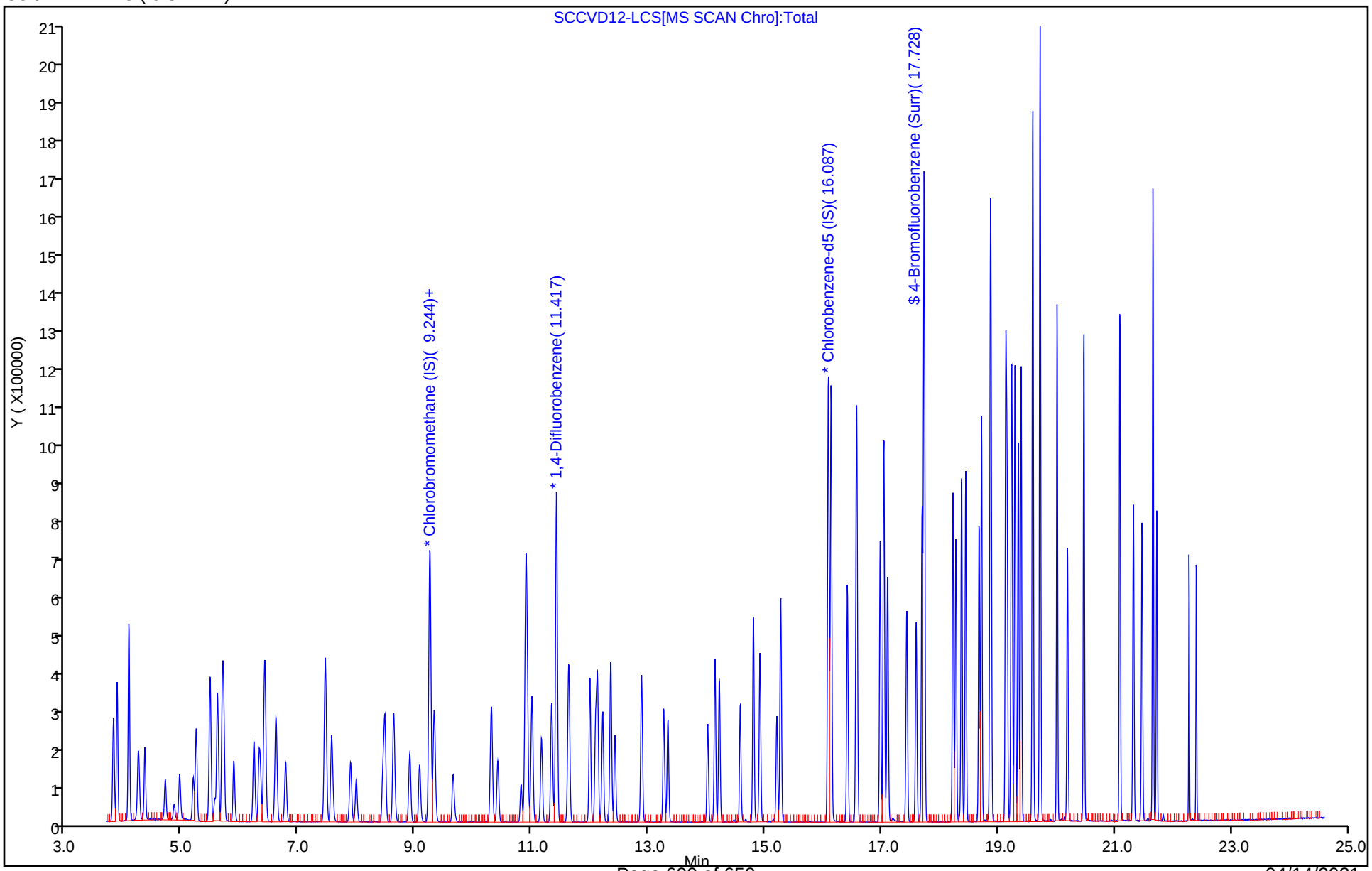
Report Date: 13-Apr-2021 08:54:11 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins Environment Testing America

Data File: \\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SCCVD12-LCS.d

Injection Date:	12-Apr-2021 08:30:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	LCS			Worklist Smp#:	1002
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins Environment Testing America
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MS\20210410-18849.b\SCCVD12-LCS.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	12-Apr-2021 08:30:30	ALS Bottle#:	5	Worklist Smp#:	1002
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018849-002				
Misc. Info.:	P137 100ML				
Operator ID:	HMT	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210410-18849.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	13-Apr-2021 08:54:09	Calib Date:	22-Feb-2021 22:12:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210222-18286.b\SB22IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1657				

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	5.67	122.16

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-48724/1002

Matrix: Air Lab File ID: RCCVD13A-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 04/13/2021 10:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48724 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
64-17-5	Ethanol	46.07	9.25		2.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		60-140

Eurofins Environment Testing America
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20210412-18858.b\RCCVD13A-LCS.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 13-Apr-2021 10:55:30 ALS Bottle#: 7 Worklist Smp#: 1002
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018858-002
Misc. Info.: P136 100ML
Operator ID: HMT Instrument ID: MR

Method: \\chromfs\Knoxville\ChromData\MR\20210412-18858.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-Apr-2021 10:00:45 Calib Date: 17-Feb-2021 20:59:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1682

First Level Reviewer: tajh Date: 14-Apr-2021 08:35:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.183	8.183	0.000	96	411863	4.80	4.80	
* 2 1,4-Difluorobenzene	114	10.388	10.388	0.000	96	2159410	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.231	15.231	0.000	89	1828922	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.891	16.891	0.000	89	1277066	4.64	4.79	
6 Chlorodifluoromethane	51	3.394	3.394	0.000	96	578661	2.00	2.00	
7 Propene	41	3.405	3.405	0.000	98	255560	2.00	1.88	
8 Dichlorodifluoromethane	85	3.454	3.454	0.000	100	526040	2.00	2.74	
9 Chloromethane	52	3.615	3.615	0.000	99	110284	2.00	2.20	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.621	3.621	0.000	93	489059	2.00	2.53	
11 Acetaldehyde	44	3.750	3.750	0.000	88	545756	10.0	9.96	
12 Vinyl chloride	62	3.766	3.766	0.000	98	358903	2.00	2.35	
14 Butadiene	54	3.842	3.842	0.000	69	271996	2.00	2.27	
13 Butane	43	3.842	3.842	0.000	85	431591	2.00	1.99	
15 Bromomethane	94	4.122	4.122	0.000	98	293527	2.00	2.38	
16 Chloroethane	64	4.246	4.246	0.000	94	145141	2.00	2.38	
17 Ethanol	31	4.349	4.349	0.000	87	430011	10.0	9.25	
18 Vinyl bromide	106	4.516	4.516	0.000	98	268427	2.00	2.43	
19 2-Methylbutane	43	4.564	4.564	0.000	89	302238	2.00	2.06	
20 Trichlorofluoromethane	101	4.759	4.759	0.000	99	882726	2.00	2.70	
21 Acrolein	56	4.769	4.769	0.000	90	90984	2.00	2.31	
22 Acetonitrile	40	4.834	4.834	0.000	100	87530	2.00	2.02	
23 Acetone	58	4.872	4.872	0.000	95	481854	6.00	6.79	
24 Pentane	72	4.958	4.958	0.000	96	46484	2.00	2.77	
25 Isopropyl alcohol	45	4.963	4.963	0.000	93	1222619	6.00	6.24	
26 Ethyl ether	31	5.114	5.114	0.000	90	265067	2.00	1.81	
27 1,1-Dichloroethene	96	5.406	5.406	0.000	95	310466	2.00	2.26	
28 Acrylonitrile	53	5.514	5.514	0.000	95	181731	2.00	2.01	
29 2-Methyl-2-propanol	59	5.519	5.519	0.000	92	646538	2.00	2.47	
30 112TCTFE	101	5.578	5.578	0.000	94	664311	2.00	2.36	
31 Methylene Chloride	84	5.735	5.735	0.000	96	283799	2.00	2.49	
32 3-Chloro-1-propene	39	5.751	5.751	0.000	96	190671	2.00	1.55	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Carbon disulfide	76	5.886	5.886	0.000	97	898967	2.00	2.39	
34 trans-1,2-Dichloroethene	96	6.506	6.506	0.000	95	284375	2.00	2.38	
35 2-Methylpentane	43	6.527	6.527	0.000	94	707276	2.00	1.94	
36 Methyl tert-butyl ether	73	6.635	6.635	0.000	97	871348	2.00	2.48	
37 1,1-Dichloroethane	63	6.905	6.905	0.000	99	657733	2.00	2.25	
38 Vinyl acetate	43	7.018	7.018	0.000	100	686628	2.00	2.00	
39 2-Butanone (MEK)	72	7.444	7.444	0.000	97	149394	2.00	2.35	
40 Hexane	56	7.476	7.476	0.000	90	270786	2.00	2.14	
41 Isopropyl ether	45	7.633	7.633	0.000	97	1060322	2.00	1.97	
42 cis-1,2-Dichloroethene	96	7.859	7.859	0.000	98	303050	2.00	2.19	
43 Ethyl acetate	43	8.053	8.053	0.000	99	664810	2.00	1.96	
44 Chloroform	83	8.199	8.199	0.000	97	680056	2.00	2.42	
45 Tert-butyl ethyl ether	59	8.296	8.296	0.000	94	1082235	2.00	2.30	
46 Tetrahydrofuran	42	8.587	8.587	0.000	93	334040	2.00	1.81	
47 1,1,1-Trichloroethane	97	9.202	9.202	0.000	97	642145	2.00	2.25	
48 1,2-Dichloroethane	62	9.310	9.310	0.000	97	454085	2.00	2.21	
49 n-Butanol	31	9.795	9.795	0.000	64	98090	2.00	1.66	
51 Benzene	78	9.800	9.800	0.000	96	950529	2.00	2.34	
50 Cyclohexane	69	9.806	9.806	0.000	75	147560	2.00	2.33	
52 Carbon tetrachloride	117	9.827	9.827	0.000	96	526082	2.00	2.01	
53 2,3-Dimethylpentane	71	9.941	9.941	0.000	89	211291	2.00	2.23	
54 Thiophene	84	10.086	10.086	0.000	97	521246	2.00	2.15	
55 Isooctane	57	10.620	10.620	0.000	98	1696581	2.00	2.10	
56 n-Heptane	71	11.019	11.019	0.000	89	322901	2.00	2.21	
57 1,2-Dichloropropane	63	11.078	11.078	0.000	97	414049	2.00	2.07	
58 Trichloroethene	130	11.122	11.122	0.000	90	330574	2.00	1.85	
59 Dibromomethane	93	11.197	11.197	0.000	90	369094	2.00	2.29	
60 Dichlorobromomethane	83	11.353	11.353	0.000	98	655972	2.00	2.30	
61 1,4-Dioxane	88	11.380	11.380	0.000	86	129584	2.00	2.09	
62 Methyl methacrylate	41	11.477	11.477	0.000	97	365550	2.00	1.83	
63 Methylcyclohexane	83	11.914	11.914	0.000	95	552916	2.00	2.08	
64 4-Methyl-2-pentanone (MIBK)	43	12.351	12.351	0.000	95	708373	2.00	1.86	
65 cis-1,3-Dichloropropene	75	12.394	12.394	0.000	92	503040	2.00	2.24	
66 trans-1,3-Dichloropropene	75	13.117	13.117	0.000	97	409990	2.00	2.23	
67 Toluene	91	13.235	13.235	0.000	93	1048110	2.00	2.09	
68 1,1,2-Trichloroethane	83	13.311	13.311	0.000	96	353555	2.00	2.22	
69 2-Hexanone	58	13.721	13.721	0.000	94	387638	2.00	2.16	
70 n-Octane	85	13.963	13.963	0.000	92	304645	2.00	2.06	
71 Chlorodibromomethane	129	14.017	14.017	0.000	97	521377	2.00	1.95	
72 Ethylene Dibromide	107	14.308	14.308	0.000	98	539446	2.00	2.13	
73 Tetrachloroethene	129	14.395	14.395	0.000	94	341432	2.00	1.92	
74 Chlorobenzene	112	15.279	15.279	0.000	92	720565	2.00	1.94	
75 2,3-Dimethylheptane	43	15.328	15.328	0.000	96	986783	2.00	1.79	
76 Ethylbenzene	91	15.581	15.581	0.000	98	1301004	2.00	2.06	
77 m-Xylene & p-Xylene	91	15.748	15.748	0.000	98	2006962	4.00	4.11	
79 Bromoform	173	16.180	16.180	0.000	94	430306	2.00	1.66	
78 n-Nonane	57	16.196	16.196	0.000	89	752047	2.00	2.19	
80 Styrene	104	16.212	16.212	0.000	99	704985	2.00	2.20	
81 o-Xylene	91	16.271	16.271	0.000	99	1021761	2.00	2.08	
82 1,1,2,2-Tetrachloroethane	83	16.595	16.595	0.000	98	847449	2.00	2.27	
83 1,2,3-Trichloropropane	110	16.757	16.757	0.000	98	186104	2.00	2.04	
84 Isopropylbenzene	105	16.864	16.864	0.000	97	1352349	2.00	2.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	120	17.420	17.420	0.000	99	364777	2.00	1.98	
86 2-Chlorotoluene	126	17.452	17.452	0.000	97	323954	2.00	2.02	
87 4-Ethyltoluene	105	17.576	17.576	0.000	98	1341268	2.00	2.05	
88 1,3,5-Trimethylbenzene	120	17.657	17.657	0.000	92	527042	2.00	1.93	
89 Alpha Methyl Styrene	118	17.894	17.894	0.000	88	515306	2.00	2.01	
90 n-Decane	57	17.975	17.975	0.000	88	950489	2.00	2.11	
91 tert-Butylbenzene	119	18.094	18.094	0.000	90	1097725	2.00	2.00	
92 1,2,4-Trimethylbenzene	105	18.110	18.110	0.000	96	1109295	2.00	2.01	
93 sec-Butylbenzene	105	18.374	18.374	0.000	98	1631660	2.00	2.11	
94 1,3-Dichlorobenzene	146	18.380	18.380	0.000	97	701299	2.00	2.07	
95 Benzyl chloride	91	18.461	18.461	0.000	97	830481	2.00	2.30	
96 1,4-Dichlorobenzene	146	18.471	18.471	0.000	96	669628	2.00	2.01	
97 4-Isopropyltoluene	119	18.547	18.547	0.000	97	1261130	2.00	1.99	
98 1,2,3-Trimethylbenzene	105	18.595	18.595	0.000	99	1079732	2.00	1.85	
99 Butylcyclohexane	83	18.660	18.660	0.000	95	971742	2.00	2.05	
101 1,2-Dichlorobenzene	146	18.838	18.838	0.000	93	667108	2.00	1.97	
100 2,3-Dihydroindene	117	18.843	18.843	0.000	94	946118	2.00	2.01	
102 Indene	116	18.973	18.973	0.000	89	797210	2.00	2.08	
103 n-Butylbenzene	91	18.994	18.994	0.000	96	1390035	2.00	2.26	
104 Undecane	57	19.329	19.329	0.000	93	1126206	2.00	2.18	
105 1,2-Dibromo-3-Chloropropane	157	19.458	19.458	0.000	95	314800	2.00	1.97	
106 1,2,4,5-Tetramethylbenzene	119	19.766	19.766	0.000	96	1270842	2.00	2.12	
107 Dodecane	57	20.391	20.391	0.000	96	1122921	2.00	2.13	
108 1,2,4-Trichlorobenzene	180	20.558	20.558	0.000	93	570419	2.00	2.05	
109 Naphthalene	128	20.688	20.688	0.000	99	1328790	2.00	2.23	
110 Hexachlorobutadiene	225	20.914	20.914	0.000	95	600289	2.00	1.81	
111 1,2,3-Trichlorobenzene	180	20.973	20.973	0.000	95	585395	2.00	2.10	
112 2-Methylnaphthalene	142	21.750	21.750	0.000	97	190601	2.00	1.20	
113 1-Methylnaphthalene	142	21.890	21.890	0.000	97	273721	2.00	1.48	
A 116 C8 Range	1	13.950	(13.915-14.012)		0	3111860	2.00	2.00	
S 117 Xylenes, Total	100				0		6.00	6.20	
S 118 1,2-Dichloroethene, Total	1				0		4.00	4.57	

QC Flag Legend

Processing Flags

Reagents:

40CV101P_00137	Amount Added: 100.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

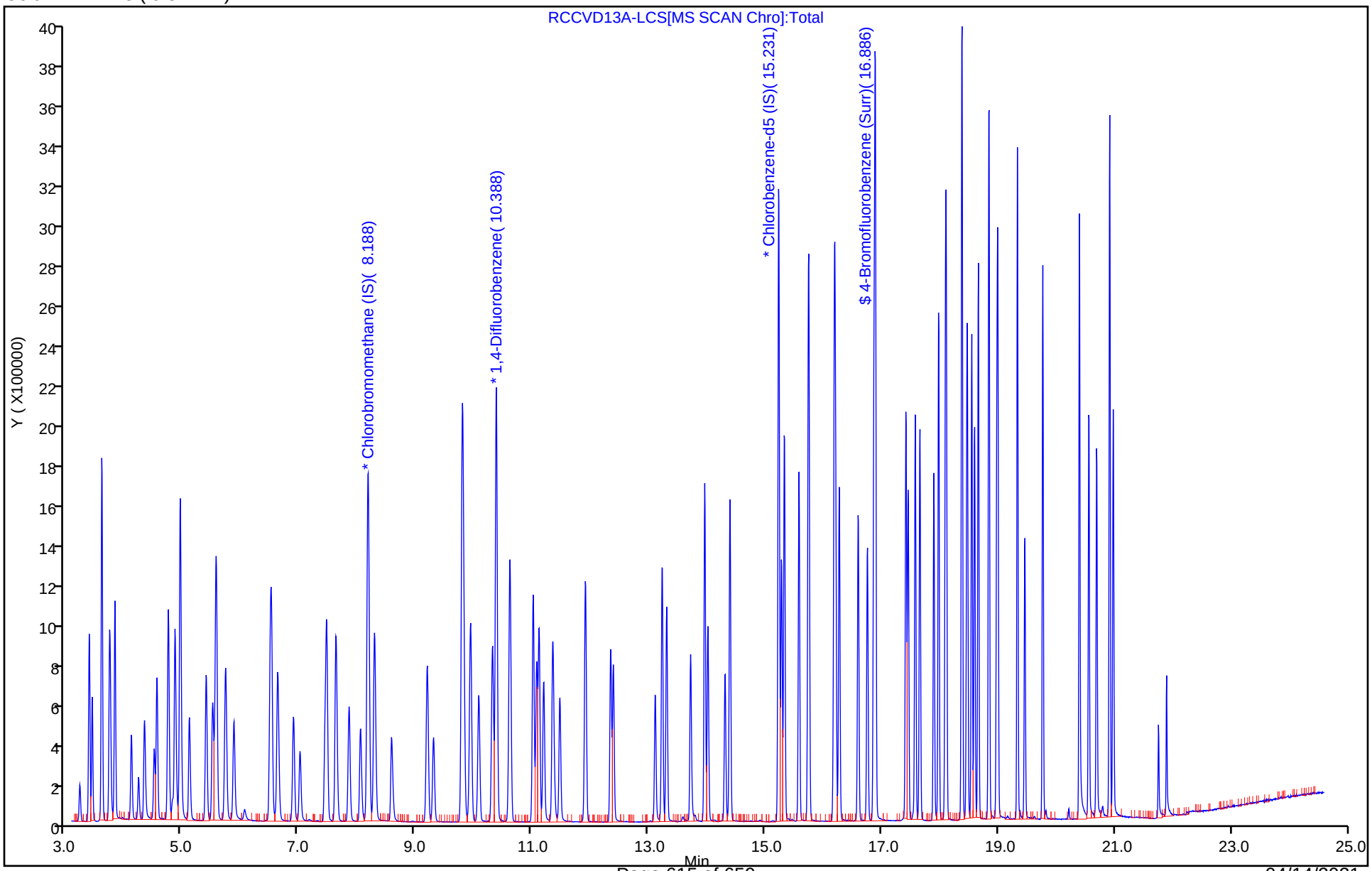
Report Date: 14-Apr-2021 10:00:49 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins Environment Testing America

Data File: \\chromfs\Knoxville\ChromData\MR\20210412-18858.b\RCCVD13A-LCS.d

Injection Date:	13-Apr-2021 10:55:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	LCS			Worklist Smp#:	1002
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins Environment Testing America
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20210412-18858.b\RCCVD13A-LCS.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	13-Apr-2021 10:55:30	ALS Bottle#:	7	Worklist Smp#:	1002
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018858-002				
Misc. Info.:	P136 100ML				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210412-18858.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	14-Apr-2021 10:00:45	Calib Date:	17-Feb-2021 20:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1682				

First Level Reviewer: tajh Date: 14-Apr-2021 08:35:26

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.79	103.14

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Instrument ID: MR Start Date: 02/17/2021 10:10

Analysis Batch Number: 47023 End Date: 02/18/2021 00:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-47023/1		02/17/2021 10:10	1	RB17BFBIC.D	RTX-5 0.32(mm)
IC 140-47023/3		02/17/2021 11:25	1	RB17IC10.D	RTX-5 0.32(mm)
IC 140-47023/5		02/17/2021 13:01	1	RB17IC09.D	RTX-5 0.32(mm)
IC 140-47023/7		02/17/2021 14:36	1	RB17IC08.D	RTX-5 0.32(mm)
IC 140-47023/9		02/17/2021 16:10	1	RB17IC01.D	RTX-5 0.32(mm)
IC 140-47023/10		02/17/2021 16:57	1	RB17IC02.D	RTX-5 0.32(mm)
140-21505-A-5 MDLV		02/17/2021 16:57	1		RTX-5 0.32(mm)
IC 140-47023/11		02/17/2021 17:46	1	RB17IC03.D	RTX-5 0.32(mm)
140-21505-A-6 MDLV		02/17/2021 17:46	1		RTX-5 0.32(mm)
IC 140-47023/12		02/17/2021 18:34	1	RB17IC04.D	RTX-5 0.32(mm)
140-21505-A-7 MDLV		02/17/2021 18:34	1		RTX-5 0.32(mm)
IC 140-47023/13		02/17/2021 19:22	1	RB17IC05.D	RTX-5 0.32(mm)
140-21505-A-8 MDLV		02/17/2021 19:22	1		RTX-5 0.32(mm)
IC 140-47023/14		02/17/2021 20:11	1	RB17IC06.D	RTX-5 0.32(mm)
ICIS 140-47023/15		02/17/2021 20:59	1	RB17IC07.D	RTX-5 0.32(mm)
ICV 140-47023/17		02/17/2021 22:33	1	RB17ICV.D	RTX-5 0.32(mm)
ZZZZZ		02/18/2021 00:37	1		RTX-5 0.32(mm)

Eurofins/TestAmerica Knoxville GC/MS Air - Initial Calibration Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 21 & KNOX-MS-0023, Rev 5

Analysis Date:	2/17/21	Instrument:	MR	Chrom WL #:	18243	TALS Batch & Event #	TO14/15: 2900 / 47023	DOD: 2902 / 47025
							DOD: 2901 / 47024	OHIO: 2903 / 47026

Chrom/Worklist Review		1st	Comments	2nd
1. Re-read each Limit Group	[method editor-limit groups]	✓		na
2. Verify LODV in Chrom	[method editor -> edit -> MDL]	✓		na
3. Are the reagents and init/final volumes correct and first level "unlock/clear"? (Verify reagents & amt. injected at each level)	[WL Sample Reagents Tab vs. Entech]	✓		✓
4. Files linked properly to calibration levels?	[Sample List- Lab ID vs. Info]	✓		✓
5. Did BFB meet tune criteria?	[F8]	✓		✓
6. Were all standards injected within 24 hr of BFB?	[F7]	✓		✓
7. High point checked for saturation and point removed if so?	[Chrom]	✓		✓
8. If manual integrations performed, are they properly performed, correct, baseline clearly identified, and correct reason given?	[Chrom]	✓		✓
9. RT for each IS ±20 sec avg. RT?	[F6 IstdRec]	✓		✓
10. Area for each IS ± 40% avg. area?	[F6 IstdRec]	✓		✓
11. Each analyte ± 0.06 RRT of avg. RRT?	[F6 - RRT]	✓		✓
12. Elution order checked on isomeric pairs?	[Chrom]			
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane		✓		✓
• 2-methyl butane / acrolein		✓		✓
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane		✓		✓
• vinyl acetate / hexane		✓		✓
• cis- and trans- isomers		✓		✓
• ethyl benzene / m/p-xylene / o-xylene		✓		✓
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/ sec-butylbenzene/1,2,3-trimethylbenzene		✓		✓
• tert-butylbenzene/4-isopropyltoluene		✓		✓
• 1,3- , 1,4- , and 1,2-dichlorobenzene		✓		✓
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes	NA	~~NA~~	IN ICV 2/18/21 MH	✓
• 1,2,4- and 1,2,3-trichlorobenzenes		✓		✓
• 2-, and 1-methylnaphthalene		✓		✓
13. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?		✓		✓

MLG Review		TO	DOD	OH	Comments	TO-	DOD	OH
14. Is %RSD for all target analytes ≤ 30%? (with up to 2 compounds with RSD ≤ 40%) 1& 2 methylnaphthalene ≤ 50%	[F6 Σ]	✓	✓	✓		✓	✓	✓
15. Were at least 5 levels of each compound analyzed?	[F6]	✓	✓	✓		✓	✓	✓
16. Is low level std at or <RL and are the remaining points consec.?	[F6]	✓	✓	✓		✓	✓	✓
17. At least 6 consec. points used for quad curves; at least 5 consec. points for linear curves? (Note: Ohio does not allow quad)	[F6]	✓	✓	✓		✓	✓	✓
18. If curves were used, is correlation coefficient ≥0.990?	[F6]	✓	✓	✓		✓	✓	✓
19. Is the intercept less than the RL for each curve?	[F6]	✓	✓	✓		✓	✓	✓
20. For quadratic: is a tangent's slope to the curve entirely positive or negative and continuous.	[Cntrl-C, details]	✓	✓	na		✓	NA	na
21. Is low point RSE ≤ 50 %?	[F6]	✓	✓	✓		✓	✓	✓
22. Is the second source analysis within limits?	[F8 - icv]	✓	✓	✓		✓	✓	✓

Analyst/Date: 2/18/21 **2nd Level Reviewer/Date:** 2/18/21

TALS Review		TO	DOD	OH	Comments	TO	DOD	OH
23. Upload ICAL		✓		✓		na	na	na
24. Graphics uploaded?	[paperclip]	✓	✓	✓		✓	✓	✓
25. All points are in the most recent active calibration event?	[Calibration Events –'Fix ICAL linkage' if needed]	✓	✓	✓		✓	✓	✓
26. Runs linked to BFB?	[QC Links]	✓	✓	✓		✓	✓	✓
27. Run Checklist and acknowledge findings	[F8]	✓	✓	✓		✓	✓	✓
28. If criteria not met, was a NCM generated?		✓	✓	✓		NA	NA	NA
29. After review in TALS, approve the method in TALS.		na	na	na		✓	✓	✓
30. After verifying TALS is correct, lock method in Chrom	<resolve any error issues>	na	na	na		✓	✓	✓
31. Checklist & Entech report scanned, attached & assigned properly?		na	na	na		✓	✓	✓

Analyst/date: 2/18/21 **2nd Level Reviewer/date:** 2/18/21

Comments: Naph UR 8. TOIS UR4 fr DOD/OHIO

Comments:

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Instrument ID: MS Start Date: 02/22/2021 11:42

Analysis Batch Number: 47156 End Date: 02/23/2021 00:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-47156/1		02/22/2021 11:42	1	SB22BFBic.D	RTX-5 0.32(mm)
IC 140-47156/3		02/22/2021 12:57	1	SB22IC10.D	RTX-5 0.32(mm)
IC 140-47156/5		02/22/2021 14:31	1	SB22C09.D	RTX-5 0.32(mm)
IC 140-47156/7		02/22/2021 16:03	1	SB22IC08.D	RTX-5 0.32(mm)
IC 140-47156/9		02/22/2021 17:35	1	SB22IC01.D	RTX-5 0.32(mm)
IC 140-47156/10		02/22/2021 18:21	1	SB22IC02.D	RTX-5 0.32(mm)
IC 140-47156/11		02/22/2021 19:07	1	SB22IC03.D	RTX-5 0.32(mm)
IC 140-47156/12		02/22/2021 19:53	1	SB22IC04.D	RTX-5 0.32(mm)
IC 140-47156/13		02/22/2021 20:39	1	SB22IC05.D	RTX-5 0.32(mm)
IC 140-47156/14		02/22/2021 21:26	1	SB22IC06.D	RTX-5 0.32(mm)
ICIS 140-47156/15		02/22/2021 22:12	1	SB22IC07.D	RTX-5 0.32(mm)
ICV 140-47156/18		02/23/2021 00:29	1	SB22LCS.D	RTX-5 0.32(mm)

Eurofins/TestAmerica Knoxville GC/MS Air - Initial Calibration Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 21 & KNOX-MS-0023, Rev 5

Analysis Date:	2/22/21	Instrument:	MS	Chrom WL #:	18286	TALS Batch & Event #	TO14/15: 2910 / 47156	DOD5: 2913 / 47159
							DOD: 2911 / 47157	OHIO: 2912 / 47158

Chrom/Worklist Review	1st	Comments	2nd
1. Re-read each Limit Group [method editor-limit groups]	✓		na
2. Verify LODV in Chrom [method editor -> edit -> MDL]	✓		na
3. Are the reagents and init/final volumes correct and first level "unlock/clear"? (Verify reagents & amt. injected at each level) [WL Sample Reagents Tab vs. Entech]	✓		✓
4. Files linked properly to calibration levels? [Sample List- Lab ID vs. Info]	✓		✓
5. Did BFB meet tune criteria? [F8]	✓		✓
6. Were all standards injected within 24 hr of BFB? [F7]	✓		✓
7. High point checked for saturation and point removed if so? [Chrom]	✓		✓
8. If manual integrations performed, are they properly performed, correct, baseline clearly identified, and correct reason given? [Chrom]	NA		NA
9. RT for each IS ±20 sec avg. RT? [F6 IstdRec]	✓		✓
10. Area for each IS ± 40% avg. area? [F6 IstdRec]	✓		✓
11. Each analyte ± 0.06 RRT of avg. RRT? [F6 - RRT]	✓		✓
12. Elution order checked on isomeric pairs? [Chrom]			
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane	✓		✓
• 2-methyl butane / acrolein	✓		✓
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane	✓		✓
• vinyl acetate / hexane	✓		✓
• cis- and trans- isomers	✓		✓
• ethyl benzene / m/p-xylene / o-xylene	✓		✓
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzenc/1,2,4-trimethylbenzene/ sec-butylbenzene/1,2,3-trimethylbenzene	✓		✓
• tert-butylbenzene/4-isopropyltoluene	✓		✓
• 1,3- , 1,4- , and 1,2-dichlorobenzene	✓		✓
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes	INICV		✓
• 1,2,4- and 1,2,3-trichlorobenzenes	✓		✓
• 2-, and 1-methylnaphthalene	✓		✓
13. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?	✓		✓

MLG Review	TO	DOD	OH	Comments	TO-	DOD	OH
14. Is %RSD for all target analytes ≤ 30%? (with up to 2 compounds with RSD ≤ 40%) 1& 2 methylnaphthalene ≤ 50% [F6 Σ]	✓	✓	✓		✓	✓	✓
15. Were at least 5 levels of each compound analyzed? [F6]	✓	✓	✓		✓	✓	✓
16. Is low level std at or <RL and are the remaining points consec.? [F6]	✓	✓	✓		✓	✓	✓
17. At least 6 consec. points used for quad curves; at least 5 consec. points for linear curves? (Note: Ohio does not allow quad) [F6]	✓	✓	✓		✓	✓	✓
18. If curves were used, is correlation coefficient ≥0.990? [F6]	✓	✓	✓		✓	✓	✓
19. Is the intercept less than the RL for each curve? [F6]	✓	✓	✓		✓	✓	✓
20. For quadratic: is a tangent's slope to the curve entirely positive or negative and continuous. [Cntrl-C, details]	✓	✓	na		NA	NA	na
21. Is low point RSE ≤ 50 %? [F6]	✓	✓	✓		✓	✓	✓
22. Is the second source analysis within limits? [F8 - icv]	✓	✓	✓		✓	✓	✓

Analyst/Date: 2/23/21 **2nd Level Reviewer/Date:** 2/24/21

TALS Review	TO	DOD	OH	Comments	TO	DOD	OH
23. Upload ICAL	✓				na	na	na
24. Graphics uploaded? [paperclip]	✓	✓	✓		✓	✓	✓
25. All points are in the most recent active calibration event? [Calibration Events –'Fix ICAL linkage' if needed]	✓	✓	✓		✓	✓	✓
26. Runs linked to BFB? [QC Links]	✓	✓	✓		✓	✓	✓
27. Run Checklist and acknowledge findings [F8]	✓	✓	✓		✓	✓	✓
28. If criteria not met, was a NCM generated?	✓	✓	✓		NA	NA	NA
29. After review in TALS, approve the method in TALS.	na	na	na		✓	✓	✓
30. After verifying TALS is correct, lock method in Chrom <resolve any error issues>	na	na	na		✓	✓	✓
31. Checklist & Entech report scanned, attached & assigned properly?	na	na	na		✓	✓	✓

Analyst/date: 2/23/21 **2nd Level Reviewer/date:** 2/24/21

Comments: **Comments:**

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Instrument ID: MR Start Date: 04/10/2021 07:28

Analysis Batch Number: 48621 End Date: 04/11/2021 04:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-48621/1		04/10/2021 07:28	1	RBFBD10.D	RTX-5 0.32(mm)
CCVIS 140-48621/2		04/10/2021 07:56	1	RCCVD10.D	RTX-5 0.32(mm)
LCS 140-48621/1002		04/10/2021 07:56	1	RCCVD10-LCS.d	RTX-5 0.32(mm)
MB 140-48621/4		04/10/2021 10:33	1	R500BD10.D	RTX-5 0.32(mm)
ZZZZZ		04/10/2021 11:20	1		RTX-5 0.32(mm)
ZZZZZ		04/10/2021 12:08	9.5		RTX-5 0.32(mm)
ZZZZZ		04/10/2021 14:20	3.66		RTX-5 0.32(mm)
ZZZZZ		04/10/2021 15:08	12.56		RTX-5 0.32(mm)
ZZZZZ		04/10/2021 15:55	7.98		RTX-5 0.32(mm)
ZZZZZ		04/10/2021 16:44	12.07		RTX-5 0.32(mm)
ZZZZZ		04/10/2021 17:31	3.88		RTX-5 0.32(mm)
ZZZZZ		04/10/2021 18:20	2.02		RTX-5 0.32(mm)
ZZZZZ		04/10/2021 19:08	1.89		RTX-5 0.32(mm)
ZZZZZ		04/10/2021 19:58	1		RTX-5 0.32(mm)
ZZZZZ		04/10/2021 20:48	1		RTX-5 0.32(mm)
ZZZZZ		04/10/2021 22:25	10.38		RTX-5 0.32(mm)
ZZZZZ		04/10/2021 23:18	1		RTX-5 0.32(mm)
140-22606-1	H1_SS_ECH_2021	04/11/2021 00:06	1.32	RD10P113.D	RTX-5 0.32(mm)
140-22606-2	DUPE_SS_ECH_2021	04/11/2021 00:55	1.34	RD10P114.D	RTX-5 0.32(mm)
140-22606-3	H1_IA_ECH_2021	04/11/2021 01:43	1.35	RD10P115.D	RTX-5 0.32(mm)
140-22606-4	H1_OA_ECH_2021	04/11/2021 02:36	1	RD10P116.D	RTX-5 0.32(mm)
ZZZZZ		04/11/2021 03:28	1		RTX-5 0.32(mm)
ZZZZZ		04/11/2021 04:20	1		RTX-5 0.32(mm)

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 21 & KNOX-MS-0023, Rev 5

Instrument/Date	MR 4/10/21		Routine	DOD	OHIO VAP
CCAL Chrom WL #	18816	CCAL Batch #	48621		
ICAL Chrom WL #	18843	ICAL Batch # / Event #	47023 / 2900	/	/

Chrom Review	1st	If No, why is data reportable?	2nd
1. Are the reagents & init/final volumes correct? (Verify reagents & amt. injected) [WL Sample Reagent Tab]	✓ ✓		na
2. Did BFB meet tune criteria? [F8]		□ [Failed TO-14A, but passes TO-15]	
3. Was the CCAL compared to the most recent & correct ICAL (correct last ICal File batch #/start/end Cal date/time)? [F8]	✓	List Target analytes outside CCV limits: Ethanol	
4. Elution order checked on isomeric pairs? [Chrom]			
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane	✓		
• 2-methyl butane / acrolein	✓		
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane	✓		
• vinyl acetate / hexane	✓		
• cis- and trans- isomers	✓		
• ethyl benzene / m/p-xylene / o-xylene	✓		
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/sec-butylbenzene/1,2,3-trimethylbenzene	✓		
• tert-butylbenzene/4-isopropyltoluene	✓		
• 1,3- , 1,4- , and 1,2-dichlorobenzene	✓		
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes	✓		
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene	✓		
• 2-, and 1-methylnaphthalene	✓		
5. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?	NE ✓		
6. Has the RT been updated to the method?			
Analyst/date	4/12/21	**2nd Level Reviewer/date**	

7. Has the vol injected been verified vs Entech & corrected if actual amount differs >5%? [WL Sample Info: init amt = sample amt; final amt = 500 mL]	✓		
8. Do the lab ID, Info 1 and Dilution Factor columns correlate in Chrom? [Sample List - Lab ID vs. Info 1 vs. Dilution]	✓		
9. Can dilution history verified? [Mgmt Report]	✓		
10. Are all analytes present in the system blank < RL? (<1/2 RL for DoD). *If no, list blank ID:*	✓	□ Method Blank – Report, ND (NCM#_____) □ Method Blank – Report, 10X (NCM#_____)	
11. All runs - peaks ID'd correctly and false positives removed?	✓		
12. If manual integrations performed, are they properly performed, baseline clearly identified, and correct reason given?	✓		
13. IS/Surr within limits? *List samples and reason (e.g., 1 thru 5):* [Batch Results IS & SUR Tab] Sample Reason Sample Reason _____ _____ _____ _____ _____ _____ _____ _____	✓	□ (1) Surrogate – Matrix (NCM#_____) □ (2) Surrogate – High, ND (NCM#_____) □ (3) ISTD – RA/RA Concurs (NCM#_____) □ (4) Surrogate –RX concur, Report both (NCM#_____) □ (5) ISTD – Matrix, DL required (NCM#_____)	
14. Samples outside calibration range scheduled for dilution?	✓	□ ICAL – Range Exceeded; Minimum Dilution	

Chrom Review	1st	If No, why is data reportable?	2nd
15. For first analysis that is at a dilution, is highest target analyte >20% cal range? *List samples and reason:* Sample Reason Sample Reason _____ _____ _____ _____ _____ _____ _____ _____	✓	□ (1) Reporting Limit – Dilution, Matrix (NCM#_____) □ (2) Reporting Limit – Dilution, Non-Target (NCM#_____) □ (3) Issues with initial collection volume; see DRC.	
16. RIC inspected for proper integration for TPH?	NS ✓		
17. Obvious non-TPH peaks excluded?			
18. Individual TPH peak area < octane high point area?			

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 21 & KNOX-MS-0023, Rev 5

TALS Review	1st	If No, why is data reportable?	2nd
19. Graphics uploaded? [open one paperclip]	✓		
20. NCM generated if BFB failed TO-14A criteria, but passes TO-15?	✓	□ [Failed TO-14A, but passes TO-15] (NCM#_____)	
21. Is the %D ≤ 30% for all target analytes? [≤ 50% for 1&2 methylnaphthalene] [Chrom-F8] [TALS-Sample Results Tab]	✓	☑ CCV - %D - LCS criteria met (NCM# 28527) □ CCV - %D high - outside criteria, samples ND, Sample IDs Included (NCM#_____)	
22. Undiluted volume analyzed meets the method requirement (200 mL vs. 500 mL)?	✓		na
23. Project & sample special instructions verified?	✓		
24. If samples were Tedlar bags, was the 72 hr HT met? ** Narrate transfer to can.	NA	□ Air Analysis - Air Sample Transfer to Canister (NCM#____)	
25. Sample analyses done within analytical holding time?	✓	□ Holding Time – Received w/Insufficient Time (NCM#_____) □ Holding Time – Receipt (NCM#_____)	
26. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%, and no two consecutive MEs). [Sample Results Tab] Note: No LCS required for OH VAP.	✓	□ Marginal Exceedances - Within ME Limits and Random; Report (NCM# ___) □ LCS/LCSD - %R High (NCM#_____)	
27. Suffixes assigned properly (DL/RE)? [Sample List Tab]	✓		
28. Each job has QC created (BFB, CCV, LCS, MB)? [Sample List Tab]	✓		
29. Analytes over calibration range set to secondary [Conditions Review Tab]	✓		
30. Samples not reported set to 'Acceptable' or 'Rejected'? [Sample Results Tab]	✓		
31. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for n-butanol) *(If DUP not reported - set to 'Acceptable' for each job)*	✓		
32. Samples linked to proper blank (200 mL or 500 mL)? [QC links]	✓	**500 mL blank ID:** 4 **200 mL blank ID:** _____	
33. Samples linked to job's BFB/CCV/LCS/MB? [QC Links]	✓		
34. Correct ICV linked to each MB? [QC Links]	✓		
35. Were all samples/QC analyzed within 24 hr of BFB? [F7]	✓		
36. If criteria were not met, was a NCM generated, and assigned to proper QC & samples? [Also see Conditions Review Tab]	✓		
37. Run Checklist and acknowledge findings [F8]	✓		
38. Runs set to 1st level review?	✓	Runs set to 2nd level review?	
39. QC checker run and items addressed?	-na-		
40. Checklist & Entech report scanned, attached & assigned properly?	-na-		

Analyst:	Date: 4/12/21	2nd Level Reviewer :	Date:
Comments:		Comments:	

Example Calculation: 22599-3 PL

On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF

$2.15 \times 10^2 \times 7.98 = 85.79$

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 20 & KNOX-MS-0023, Rev 4

Instrument/Date	MR 4/10/21		Routine	DOD 5	OHIO VAP
CCAL Chrom WL #	18816	CCAL Batch #	48621	NA	NA
ICAL Chrom WL #	18243	ICAL Batch # / Event #	47023/2900	47026/2903	47025/2902

Chrom Review	1st	If No, why is data reportable?	2nd
1. Are the reagents & init/final volumes correct? (Verify reagents & amt. injected) [WL Sample Reagent Tab]			na
2. Did BFB meet tune criteria? [F8]		□ [Failed TO-14A, but passes TO-15]	Y
3. Was the CCAL compared to the most recent & correct ICAL (correct last ICal File batch #/start/end Cal date/time)? [F8]		List Target analytes outside CCV limits: _____ _____ _____	Y
4. Elution order checked on isomeric pairs? [Chrom]			
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane			Y
• 2-methyl butane / acrolein			Y
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane			Y
• vinyl acetate / hexane			Y
• cis- and trans- isomers			Y
• ethyl benzene / m/p-xylene / o-xylene			Y
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/sec-butylbenzene/1,2,3-trimethylbenzene			Y
• tert-butylbenzene/4-isopropyltoluene			Y
• 1,3- , 1,4- , and 1,2-dichlorobenzene			Y
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes			NA
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene			Y
• 2-, and 1-methylnaphthalene			Y
5. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?			Y
6. Has the RT been updated to the method?			Y
Analyst/date		**2nd Level Reviewer/date LL 4/12/21**	

7. Has the vol injected been verified vs Entech & corrected if actual amount differs >5%? [WL Sample Info: init amt = sample amt; final amt = 500 mL]			Y
8. Do the lab ID, Info 1 and Dilution Factor columns correlate in Chrom? [Sample List - Lab ID vs. Info 1 vs. Dilution]			Y
9. Can dilution history verified? [Mgmt Report]			Y
10. Are all analytes present in the system blank < RL? (<1/2 RL for DoD). *If no, list blank ID:*		□ Method Blank – Report, ND (NCM#_____) □ Method Blank – Report, 10X (NCM#_____)	Y
11. All runs - peaks ID'd correctly and false positives removed?			Y
12. If manual integrations performed, are they properly performed, baseline clearly identified, and correct reason given?			Y
13. IS/Surr within limits? *List samples and reason (e.g.,* 1 thru 5*):* [Batch Results IS & SUR Tab] Sample Reason Sample Reason _____ _____ _____ _____ _____ _____ _____ _____		□ (1) Surrogate – Matrix (NCM#_____) □ (2) Surrogate – High, ND (NCM#_____) □ (3) ISTD – RA/RA Concurs (NCM#_____) □ (4) Surrogate –RX concur, Report both (NCM#_____) □ (5) ISTD – Matrix, DL required (NCM#_____)	Y
14. Samples outside calibration range scheduled for dilution?		□ ICAL – Range Exceeded; Minimum Dilution	Y
Chrom Review	**1st**	**If No, why is data reportable?**	**2nd**
15. For first analysis that is at a dilution, is highest target analyte >20% cal range? *List samples and reason:* Sample Reason Sample Reason _____ _____ _____ _____ _____ _____ _____ _____		□ (1) Reporting Limit – Dilution, Matrix (NCM#_____) □ (2) Reporting Limit – Dilution, Non-Target (NCM#_____) □ (3) Issues with initial collection volume; see DRC.	Y
16. RIC inspected for proper integration for TPH?			NA
17. Obvious non-TPH peaks excluded?			NA
18. Individual TPH peak area < octane high point area?			NA

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 20 & KNOX-MS-0023, Rev 4

TALS Review	**1st**	**If No, why is data reportable?**	**2nd**
19. Graphics uploaded? [open one paperclip]			**Y**
20. NCM generated if BFB failed TO-14A criteria, but passes TO-15?		□ [Failed TO-14A, but passes TO-15] (NCM#_____)	**NA**
21. Is the %D ≤ 30% for all target analytes? [≤ 50% for 1&2 methylnaphthalene] [Chrom-F8] [TALS-Sample Results Tab]		□ CCV - %D - LCS criteria met (NCM#_____) □ CCV - %D high - outside criteria, samples ND, Sample IDs Included (NCM#_____)	**Y**
22. Undiluted volume analyzed meets the method requirement (200 mL vs. 500 mL)?			**na**
23. Project & sample special instructions verified?			**Y**
24. If samples were Tedlar bags, was the 72 hr HT met? ** Narrate transfer to can.		□ Air Analysis - Air Sample Transfer to Canister (NCM#____)	**Y**
25. Sample analyses done within analytical holding time?		□ Holding Time – Received w/Insufficient Time (NCM#_____) □ Holding Time – Receipt (NCM#_____)	**NA**
26. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%, and no two consecutive MEs). [Sample Results Tab] Note: No LCS required for OH VAP.		□ Marginal Exceedances - Within ME Limits and Random; Report (NCM# ___) □ LCS/LCSD - %R High (NCM#_____)	**Y**
27. Suffixes assigned properly (DL/RE)? [Sample List Tab]			**NA**
28. Each job has QC created (BFB, CCV, LCS, MB)? [Sample List Tab]			**Y**
29. Analytes over calibration range set to secondary [Conditions Review Tab]			**Y**
30. Samples not reported set to 'Acceptable' or 'Rejected'? [Sample Results Tab]			**Y**
31. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for n-butanol) *(If DUP not reported - set to 'Acceptable' for each job)*			**Y**
32. Samples linked to proper blank (200 mL or 500 mL)? [QC links]		**500 mL blank ID: 4** **200 mL blank ID: NA**	**Y**
33. Samples linked to job's BFB/CCV/LCS/MB? [QC Links]			**Y**
34. Correct ICV linked to each MB? [QC Links]			**Y**
35. Were all samples/QC analyzed within 24 hr of BFB? [F7]			**Y**
36. If criteria were not met, was a NCM generated, and assigned to proper QC & samples? [Also see Conditions Review Tab]			**Y**
37. Run Checklist and acknowledge findings [F8]			**Y**
38. Runs set to 1st level review?		Runs set to 2nd level review?	**Y**
39. QC checker run and items addressed?	**-na-**		**Y**
40. Checklist & Entech report scanned, attached & assigned properly?	**-na-**		**Y**

Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed
>90	5
71 - 90	4
51 - 70	3
31 - 50	2
11 - 30	1
< 11	0

Analyst:	**Date:**	**2nd Level Reviewer : LL**	**Date: 4/12/21**
Comments:		**Comments:**	
Example Calculation:			
On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF			

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Instrument ID: MS Start Date: 04/12/2021 08:03

Analysis Batch Number: 48707 End Date: 04/13/2021 07:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-48707/1		04/12/2021 08:03	1	SBFBD12.D	RTX-5 0.32(mm)
CCVIS 140-48707/2		04/12/2021 08:30	1	SCCVD12.D	RTX-5 0.32(mm)
LCS 140-48707/1002		04/12/2021 08:30	1	SCCVD12-LCS.d	RTX-5 0.32(mm)
ZZZZZ		04/12/2021 09:47	1		RTX-5 0.32(mm)
MB 140-48707/4		04/12/2021 11:18	1	S500BD12.D	RTX-5 0.32(mm)
ZZZZZ		04/12/2021 12:07	1		RTX-5 0.32(mm)
ZZZZZ		04/12/2021 14:07	1.57		RTX-5 0.32(mm)
ZZZZZ		04/12/2021 14:57	1.51		RTX-5 0.32(mm)
140-22606-4 DL	H1_OA_ECH_2021 DL	04/12/2021 18:03	1	SD12P106.D	RTX-5 0.32(mm)
ZZZZZ		04/12/2021 18:51	1		RTX-5 0.32(mm)
ZZZZZ		04/12/2021 19:39	1		RTX-5 0.32(mm)
ZZZZZ		04/12/2021 20:25	3.47		RTX-5 0.32(mm)
ZZZZZ		04/12/2021 21:09	1		RTX-5 0.32(mm)
ZZZZZ		04/12/2021 21:57	1		RTX-5 0.32(mm)
ZZZZZ		04/12/2021 22:44	1		RTX-5 0.32(mm)
ZZZZZ		04/12/2021 23:29	8.49		RTX-5 0.32(mm)
ZZZZZ		04/13/2021 02:41	1		RTX-5 0.32(mm)
140-22606-1 DL	H1_SS_ECH_2021 DL	04/13/2021 07:05	1.32	SD12P103DL.D	RTX-5 0.32(mm)
140-22606-2 DL	DUPE_SS_ECH_2021 DL	04/13/2021 07:52	1.34	SD12P104DL.D	RTX-5 0.32(mm)

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 21 & KNOX-MS-0023, Rev 5

Instrument/Date	MS 4/12/21		Routine	DOD	OHIO VAP
CCAL Chrom WL #	18849	CCAL Batch #	48707		
ICAL Chrom WL #	18280	ICAL Batch # / Event #	47156 / 2910	/	/

Chrom Review	1st	If No, why is data reportable?	2nd
1. Are the reagents & init/final volumes correct? (Verify reagents & amt. injected) [WL Sample Reagent Tab]	✓		na
2. Did BFB meet tune criteria? [F8]	✓	□ [Failed TO-14A, but passes TO-15]	
3. Was the CCAL compared to the most recent & correct ICAL (correct last ICal File batch #/start/end Cal date/time)? [F8]	✓	List Target analytes outside CCV limits: Ethanol, 12DCB3, CCl4, 12DC1122TFE, Chloro dibromomethane, DCDFM, chloromethane 12DCA, BC, Bromoform, TFM, hxq.	
4. Elution order checked on isomeric pairs? [Chrom]			
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane	✓		
• 2-methyl butane / acrolein	✓		
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane	✓		
• vinyl acetate / hexane	✓		
• cis- and trans- isomers	✓		
• ethyl benzene / m/p-xylene / o-xylene	✓		
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/sec-butylbenzene/1,2,3-trimethylbenzene	✓		
• tert-butylbenzene/4-isopropyltoluene	✓		
• 1,3- , 1,4- , and 1,2-dichlorobenzene	✓		
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes	✓		
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene	✓		
• 2-, and 1-methylnaphthalene	✓		
5. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?	✓		
6. Has the RT been updated to the method?			
Analyst/date	4/12/21	**2nd Level Reviewer/date**	

7. Has the vol injected been verified vs Entech & corrected if actual amount differs >5%? [WL Sample Info: init amt = sample amt; final amt = 500 mL]	✓		
8. Do the lab ID, Info 1 and Dilution Factor columns correlate in Chrom? [Sample List - Lab ID vs. Info 1 vs. Dilution]	✓		
9. Can dilution history verified? [Mgmt Report]	✓		
10. Are all analytes present in the system blank < RL? (<1/2 RL for DoD). *If no, list blank ID:*	✓	□ Method Blank – Report, ND (NCM#_____) □ Method Blank – Report, 10X (NCM#_____)	
11. All runs - peaks ID'd correctly and false positives removed?	✓		
12. If manual integrations performed, are they properly performed, baseline clearly identified, and correct reason given?	✓		
13. IS/Surr within limits? *List samples and reason (e.g., 1 thru 5):* [Batch Results IS & SUR Tab] Sample / Reason / Sample / Reason _____ / _____ / _____ / _____ _____ / _____ / _____ / _____	✓	□ (1) Surrogate – Matrix (NCM#_____) □ (2) Surrogate – High, ND (NCM#_____) □ (3) ISTD – RA/RA Concurs (NCM#_____) □ (4) Surrogate –RX concur, Report both (NCM#_____) □ (5) ISTD – Matrix, DL required (NCM#_____)	
14. Samples outside calibration range scheduled for dilution?	✓	□ ICAL – Range Exceeded; Minimum Dilution	

Chrom Review	1st	If No, why is data reportable?	2nd
15. For first analysis that is at a dilution, is highest target analyte >20% cal range? *List samples and reason:* Sample / Reason / Sample / Reason _____ / _____ / _____ / _____ _____ / _____ / _____ / _____	✓	□ (1) Reporting Limit – Dilution, Matrix (NCM#_____) □ (2) Reporting Limit – Dilution, Non-Target (NCM#_____) □ (3) Issues with initial collection volume; see DRC.	
16. RIC inspected for proper integration for TPH?	NA		
17. Obvious non-TPH peaks excluded?	✓		
18. Individual TPH peak area < octane high point area?			

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 21 & KNOX-MS-0023, Rev 5

TALS Review	1st	If No, why is data reportable?	2nd
19. Graphics uploaded? [open one paperclip]	✓		
20. NCM generated if BFB failed TO-14A criteria, but passes TO-15?	✓	☐ [Failed TO-14A, but passes TO-15] (NCM#_____)	
21. Is the %D ≤ 30% for all target analytes? [≤ 50% for 1&2 methylnaphthalene] [Chrom-F8] [TALS-Sample Results Tab]	✓	☑ CCV - %D - LCS criteria met (NCM# Ethanol 28535) ☐ CCV - %D high - outside criteria, samples ND, Sample IDs Included (NCM# Alveral 28536)	
22. Undiluted volume analyzed meets the method requirement (200 mL vs. 500 mL)?	✓		na
23. Project & sample special instructions verified?	✓		
24. If samples were Tedlar bags, was the 72 hr HT met? ** Narrate transfer to can.	NA	☐ Air Analysis - Air Sample Transfer to Canister (NCM#____)	
25. Sample analyses done within analytical holding time?	✓	☐ Holding Time – Received w/Insufficient Time (NCM#_____) ☐ Holding Time – Receipt (NCM#_____)	
26. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%, and no two consecutive MEs). [Sample Results Tab] Note: No LCS required for OH VAP.	✓	☐ Marginal Exceedances - Within ME Limits and Random; Report (NCM# ___) ☑ LCS/LCSD - %R High (NCM# 28537)	
27. Suffixes assigned properly (DL/RE)? [Sample List Tab]	✓		
28. Each job has QC created (BFB, CCV, LCS, MB)? [Sample List Tab]	✓		
29. Analytes over calibration range set to secondary [Conditions Review Tab]	✓		
30. Samples not reported set to 'Acceptable' or 'Rejected'? [Sample Results Tab]	✓		
31. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for n-butanol) *(If DUP not reported - set to 'Acceptable' for each job)*	✓		
32. Samples linked to proper blank (200 mL or 500 mL)? [QC links]	✓	**500 mL blank ID:** 4 **200 mL blank ID:** 5	
33. Samples linked to job's BFB/CCV/LCS/MB? [QC Links]	✓		
34. Correct ICV linked to each MB? [QC Links]	✓		
35. Were all samples/QC analyzed within 24 hr of BFB? [F7]	✓		
36. If criteria were not met, was a NCM generated, and assigned to proper QC & samples? [Also see Conditions Review Tab]	✓		
37. Run Checklist and acknowledge findings [F8]	✓		
38. Runs set to 1st level review?	✓	Runs set to 2nd level review?	
39. QC checker run and items addressed?	-na-		
40. Checklist & Entech report scanned, attached & assigned properly?	-na-		

Analyst:	Date: 4/13/21	2nd Level Reviewer :	Date:
Comments:		Comments:	

Example Calculation: 22607-A-1 for

On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF

14.81 X 40 X 8.49 = 1572.77

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 20 & KNOX-MS-0023, Rev 4

Instrument/Date	MS 4/12/21		Routine	DOD5	OHIO VAP
CCAL Chrom WL #	18849	CCAL Batch #	48707	NA	
ICAL Chrom WL #	18286	ICAL Batch # / Event #	47156/2910	47159/2913	

Chrom Review	1st	If No, why is data reportable?	2nd
1. Are the reagents & init/final volumes correct? (Verify reagents & amt. injected) [WL Sample Reagent Tab]			na
2. Did BFB meet tune criteria? [F8]		□ [Failed TO-14A, but passes TO-15]	Y
3. Was the CCAL compared to the most recent & correct ICAL (correct last ICal File batch #/start/end Cal date/time)? [F8]		List Target analytes outside CCV limits: _____ _____ _____	Y
4. Elution order checked on isomeric pairs? [Chrom]			
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane			Y
• 2-methyl butane / acrolein			Y
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane			Y
• vinyl acetate / hexane			Y
• cis- and trans- isomers			Y
• ethyl benzene / m/p-xylene / o-xylene			Y
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/sec-butylbenzene/1,2,3-trimethylbenzene			Y
• tert-butylbenzene/4-isopropyltoluene			Y
• 1,3- , 1,4- , and 1,2-dichlorobenzene			Y
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes			NA
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene			Y
• 2-, and 1-methylnaphthalene			Y
5. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?			Y
6. Has the RT been updated to the method?			Y
Analyst/date		**2nd Level Reviewer/date LL 4/13/21**	

7. Has the vol injected been verified vs Entech & corrected if actual amount differs >5%? [WL Sample Info: init amt = sample amt; final amt = 500 mL]			Y
8. Do the lab ID, Info 1 and Dilution Factor columns correlate in Chrom? [Sample List - Lab ID vs. Info 1 vs. Dilution]			Y
9. Can dilution history verified? [Mgmt Report]			Y
10. Are all analytes present in the system blank < RL? (<1/2 RL for DoD). *If no, list blank ID:*		□ Method Blank – Report, ND (NCM#_____) □ Method Blank – Report, 10X (NCM#_____)	Y
11. All runs - peaks ID'd correctly and false positives removed?			Y
12. If manual integrations performed, are they properly performed, baseline clearly identified, and correct reason given?			Y
13. IS/Surr within limits? *List samples and reason (e.g.,* 1 thru 5*):* [Batch Results IS & SUR Tab] Sample Reason Sample Reason _____ _____ _____ _____ _____ _____ _____ _____		□ (1) Surrogate – Matrix (NCM#_____) □ (2) Surrogate – High, ND (NCM#_____) □ (3) ISTD – RA/RA Concurs (NCM#_____) □ (4) Surrogate –RX concur, Report both (NCM#_____) □ (5) ISTD – Matrix, DL required (NCM#_____)	Y
14. Samples outside calibration range scheduled for dilution?		□ ICAL – Range Exceeded; Minimum Dilution	Y

Chrom Review	1st	If No, why is data reportable?	2nd
15. For first analysis that is at a dilution, is highest target analyte >20% cal range? *List samples and reason:* Sample Reason Sample Reason _____ _____ _____ _____ _____ _____ _____ _____		□ (1) Reporting Limit – Dilution, Matrix (NCM#_____) □ (2) Reporting Limit – Dilution, Non-Target (NCM#_____) □ (3) Issues with initial collection volume; see DRC.	Y
16. RIC inspected for proper integration for TPH?			NA
17. na			NA
18. Individual TPH peak area < octane high point area?			NA

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 20 & KNOX-MS-0023, Rev 4

TALS Review	**1st**	**If No, why is data reportable?**	**2nd**
19. Graphics uploaded? [open one paperclip]			**Y**
20. NCM generated if BFB failed TO-14A criteria, but passes TO-15?		□ [Failed TO-14A, but passes TO-15] (NCM#_____)	**NA**
21. Is the %D ≤ 30% for all target analytes? [≤ 50% for 1&2 methylnaphthalene] [Chrom-F8] [TALS-Sample Results Tab]		□ CCV - %D - LCS criteria met (NCM#_____) □ CCV - %D high - outside criteria, samples ND, Sample IDs Included (NCM#_____)	**Y**
22. Undiluted volume analyzed meets the method requirement (200 mL vs. 500 mL)?			**na**
23. Project & sample special instructions verified?			**Y**
24. If samples were Tedlar bags, was the 72 hr HT met? ** Narrate transfer to can.		□ Air Analysis - Air Sample Transfer to Canister (NCM#____)	**NA**
25. Sample analyses done within analytical holding time?		□ Holding Time – Received w/Insufficient Time (NCM#_____) □ Holding Time – Receipt (NCM#_____)	**Y**
26. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%, and no two consecutive MEs). [Sample Results Tab] Note: No LCS required for OH VAP.		□ Marginal Exceedances - Within ME Limits and Random; Report (NCM# ___) □ LCS/LCSD - %R High (NCM#_____)	**Y**
27. Suffixes assigned properly (DL/RE)? [Sample List Tab]			**Y**
28. Each job has QC created (BFB, CCV, LCS, MB)? [Sample List Tab]			**Y**
29. Analytes over calibration range set to secondary [Conditions Review Tab]			**Y**
30. Samples not reported set to 'Acceptable' or 'Rejected'? [Sample Results Tab]			**Y**
31. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for n-butanol) *(If DUP not reported - set to 'Acceptable' for each job)*		**LCSD**	**Y**
32. Samples linked to proper blank (200 mL or 500 mL)? [QC links]		**500 mL blank ID: 4** **200 mL blank ID: 5**	**Y**
33. Samples linked to job's BFB/CCV/LCS/MB? [QC Links]			**Y**
34. Correct ICV linked to each MB? [QC Links]			**Y**
35. Were all samples/QC analyzed within 24 hr of BFB? [F7]			**Y**
36. If criteria were not met, was a NCM generated, and assigned to proper QC & samples? [Also see Conditions Review Tab]			**Y**
37. Run Checklist and acknowledge findings [F8]			**Y**
38. Runs set to 1st level review?		Runs set to 2nd level review?	**Y**
39. QC checker run and items addressed?	**-na-**		**Y**
40. Checklist & Entech report scanned, attached & assigned properly?	**-na-**		**Y**

Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed
>90	5
71 - 90	4
51 - 70	3
31 - 50	2
11 - 30	1
< 11	0

Analyst:	**Date:**	**2nd Level Reviewer : LL**	**Date: 4/13/21**
Comments:		**Comments:**	
Example Calculation:			
On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF			

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22606-1

SDG No.:

Instrument ID: MR Start Date: 04/13/2021 10:28

Analysis Batch Number: 48724 End Date: 04/14/2021 08:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-48724/1		04/13/2021 10:28	1	RBFBD13A.D	RTX-5 0.32(mm)
CCVIS 140-48724/2		04/13/2021 10:55	1	RCCVD13A.D	RTX-5 0.32(mm)
LCS 140-48724/1002		04/13/2021 10:55	1	RCCVD13A-LCS.d	RTX-5 0.32(mm)
MB 140-48724/8		04/13/2021 16:04	1	R500BD13.D	RTX-5 0.32(mm)
ZZZZZ		04/13/2021 16:54	1		RTX-5 0.32(mm)
140-22606-3 DL	H1_IA_ECH_2021 DL	04/13/2021 20:20	1.35	RD13P104.D	RTX-5 0.32(mm)
ZZZZZ		04/13/2021 22:11	1		RTX-5 0.32(mm)
ZZZZZ		04/13/2021 23:02	1		RTX-5 0.32(mm)
ZZZZZ		04/13/2021 23:52	2.12		RTX-5 0.32(mm)
ZZZZZ		04/14/2021 00:41	322.45		RTX-5 0.32(mm)
ZZZZZ		04/14/2021 01:30	1		RTX-5 0.32(mm)
ZZZZZ		04/14/2021 02:20	1		RTX-5 0.32(mm)
ZZZZZ		04/14/2021 03:09	1		RTX-5 0.32(mm)
ZZZZZ		04/14/2021 03:57	1		RTX-5 0.32(mm)
ZZZZZ		04/14/2021 08:15	1		RTX-5 0.32(mm)

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 21 & KNOX-MS-0023, Rev 5

Instrument/Date	4/14/21 MR		Routine	DOD5	OHIO VAP
CCAL Chrom WL #	18858	CCAL Batch #	48724	48724	
ICAL Chrom WL #	18743	ICAL Batch # / Event #	47023 / 2900	47026 / 2903	/

Chrom Review	1st	If No, why is data reportable?	2nd
1. Are the reagents & init/final volumes correct? (Verify reagents & amt. injected) [WL Sample Reagent Tab]	✓		na
2. Did BFB meet tune criteria? [F8]	✓	☐ [Failed TO-14A, but passes TO-15] mass 176 @ 94.8	
3. Was the CCAL compared to the most recent & correct ICAL (correct last ICal File batch #/start/end Cal date/time)? [F8]	✓	List Target analytes outside CCV limits: DCFM TCFM	
4. Elution order checked on isomeric pairs? [Chrom]			
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane	✓		
• 2-methyl butane / acrolein	✓		
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane	✓		
• vinyl acetate / hexane	✓		
• cis- and trans- isomers	✓		
• ethyl benzene / m/p-xylene / o-xylene	✓		
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/sec-butylbenzene/1,2,3-trimethylbenzene	✓		
• tert-butylbenzene/4-isopropyltoluene	✓		
• 1,3- , 1,4- , and 1,2-dichlorobenzene	✓		
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes	M		
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene	✓		
• 2-, and 1-methylnaphthalene	✓		
5. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?	M ✓		
6. Has the RT been updated to the method?			
Analyst/date 9/14/21		**2nd Level Reviewer/date**	

7. Has the vol injected been verified vs Entech & corrected if actual amount differs >5%? [WL Sample Info: init amt = sample amt; final amt = 500 mL]	✓		
8. Do the lab ID, Info 1 and Dilution Factor columns correlate in Chrom? [Sample List - Lab ID vs. Info 1 vs. Dilution]	✓		
9. Can dilution history verified? [Mgmt Report]	✓		
10. Are all analytes present in the system blank < RL? (<1/2 RL for DoD). *If no, list blank ID:*	✓	☐ Method Blank – Report, ND (NCM#_____) ☐ Method Blank – Report, 10X (NCM#_____)	
11. All runs - peaks ID'd correctly and false positives removed?	✓		
12. If manual integrations performed, are they properly performed, baseline clearly identified, and correct reason given?	✓		
13. IS/Surr within limits? *List samples and reason (e.g., 1 thru 5):* [Batch Results IS & SUR Tab] Sample Reason Sample Reason	✓	☐ (1) Surrogate – Matrix (NCM#_____) ☐ (2) Surrogate – High, ND (NCM#_____) ☐ (3) ISTD – RA/RA Concurs (NCM#_____) ☐ (4) Surrogate –RX concur, Report both (NCM#_____) ☐ (5) ISTD – Matrix, DL required (NCM#_____)	
14. Samples outside calibration range scheduled for dilution?	✓	☐ ICAL – Range Exceeded; Minimum Dilution	

Chrom Review	1st	If No, why is data reportable?	2nd
15. For first analysis that is at a dilution, is highest target analyte >20% cal range? *List samples and reason:* Sample Reason Sample Reason	✓	☐ (1) Reporting Limit – Dilution, Matrix (NCM#_____) ☐ (2) Reporting Limit – Dilution, Non-Target (NCM#_____) ☐ (3) Issues with initial collection volume; see DRC.	
16. RIC inspected for proper integration for TPH?	M ✓		
17. Obvious non-TPH peaks excluded?	✓		
18. Individual TPH peak area < octane high point area?			

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 21 & KNOX-MS-0023, Rev 5

TALS Review	1st	If No, why is data reportable?	2nd
19. Graphics uploaded? [open one paperclip]	✓		
20. NCM generated if BFB failed TO-14A criteria, but passes TO-15?		☐ [Failed TO-14A, but passes TO-15] (NCM# 28572)	
21. Is the %D ≤ 30% for all target analytes? [≤ 50% for 1&2 methylnaphthalene] [Chrom-F8] [TALS-Sample Results Tab]	✓	☐ CCV - %D - LCS criteria met (NCM# 28575) ☐ CCV - %D high - outside criteria, samples ND, Sample IDs Included (NCM#)	
22. Undiluted volume analyzed meets the method requirement (200 mL vs. 500 mL)?	✓		na
23. Project & sample special instructions verified?	✓		
24. If samples were Tedlar bags, was the 72 hr HT met? ** Narrate transfer to can.	✓	☐ Air Analysis - Air Sample Transfer to Canister (NCM# 28426)	
25. Sample analyses done within analytical holding time?	✓	☐ Holding Time – Received w/Insufficient Time (NCM#) ☐ Holding Time – Receipt (NCM#)	
26. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%, and no two consecutive MEs). [Sample Results Tab] Note: No LCS required for OH VAP.	✓	☐ Marginal Exceedances - Within ME Limits and Random; Report (NCM#) ☑ LCS/LCSD - %R High (NCM# 28571) MeCl2 DOD5 - out a both LCS/LCSD	
27. Suffixes assigned properly (DL/RE)? [Sample List Tab]	✓		
28. Each job has QC created (BFB, CCV, LCS, MB)? [Sample List Tab]	✓		
29. Analytes over calibration range set to secondary [Conditions Review Tab]	✓		
30. Samples not reported set to 'Acceptable' or 'Rejected'? [Sample Results Tab]	✓		
31. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for n-butanol) *(If DUP not reported - set to 'Acceptable' for each job)*	✓		
32. Samples linked to proper blank (200 mL or 500 mL)? [QC links]	✓	**500 mL blank ID:** 8 **200 mL blank ID:** 9	
33. Samples linked to job's BFB/CCV/LCS/MB? [QC Links]	✓		
34. Correct ICV linked to each MB? [QC Links]	✓		
35. Were all samples/QC analyzed within 24 hr of BFB? [F7]	✓		
36. If criteria were not met, was a NCM generated, and assigned to proper QC & samples? [Also see Conditions Review Tab]	✓		
37. Run Checklist and acknowledge findings [F8]	✓		
38. Runs set to 1st level review?	✓	Runs set to 2nd level review?	
39. QC checker run and items addressed?	-na-		
40. Checklist & Entech report scanned, attached & assigned properly?	-na-		

Analyst:	Date: 4/14/21	2nd Level Reviewer :	Date:
Comments:		**Comments:**	
Ci ace line 19,21,			

Example Calculation: 22625-A-1,A pce

On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF

4/14/21 JK

0.88.6894 x 100mL x 322.45 = 14009.49

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 20 & KNOX-MS-0023, Rev 4

Instrument/Date	MR 4/13/21		Routine	DOD 5	OHIO VAP
CCAL Chrom WL #	18858	CCAL Batch #	48724	48774	NA
ICAL Chrom WL #	18243	ICAL Batch # / Event #	47023/2900	47026/2903	47025/2902

Chrom Review	1st	If No, why is data reportable?	2nd
1. Are the reagents & init/final volumes correct? (Verify reagents & amt. injected) [WL Sample Reagent Tab]			na
2. Did BFB meet tune criteria? [F8]		□ [Failed TO-14A, but passes TO-15]	N
3. Was the CCAL compared to the most recent & correct ICAL (correct last ICal File batch #/start/end Cal date/time)? [F8]		List Target analytes outside CCV limits: _____ _____ _____	Y
4. Elution order checked on isomeric pairs? [Chrom]			
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane			Y
• 2-methyl butane / acrolein			Y
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane			Y
• vinyl acetate / hexane			Y
• cis- and trans- isomers			Y
• ethyl benzene / m/p-xylene / o-xylene			Y
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/sec-butylbenzene/1,2,3-trimethylbenzene			Y
• tert-butylbenzene/4-isopropyltoluene			Y
• 1,3- , 1,4- , and 1,2-dichlorobenzene			Y
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes			NA
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene			Y
• 2-, and 1-methylnaphthalene			Y
5. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?			Y
6. Has the RT been updated to the method?			Y
Analyst/date		**2nd Level Reviewer/date LL 4/14/21**	

7. Has the vol injected been verified vs Entech & corrected if actual amount differs >5%? [WL Sample Info: init amt = sample amt; final amt = 500 mL]			Y
8. Do the lab ID, Info 1 and Dilution Factor columns correlate in Chrom? [Sample List - Lab ID vs. Info 1 vs. Dilution]			Y
9. Can dilution history verified? [Mgmt Report]			Y
10. Are all analytes present in the system blank < RL? (<1/2 RL for DoD). *If no, list blank ID:*		□ Method Blank – Report, ND (NCM#_____) □ Method Blank – Report, 10X (NCM#_____)	Y
11. All runs - peaks ID'd correctly and false positives removed?			Y
12. If manual integrations performed, are they properly performed, baseline clearly identified, and correct reason given?			Y
13. IS/Surr within limits? *List samples and reason (e.g.,* 1 thru 5*):* [Batch Results IS & SUR Tab] Sample Reason Sample Reason _____ _____ _____ _____ _____ _____ _____ _____		□ (1) Surrogate – Matrix (NCM#_____) □ (2) Surrogate – High, ND (NCM#_____) □ (3) ISTD – RA/RA Concurs (NCM#_____) □ (4) Surrogate –RX concur, Report both (NCM#_____) □ (5) ISTD – Matrix, DL required (NCM#_____)	Y
14. Samples outside calibration range scheduled for dilution?		□ ICAL – Range Exceeded; Minimum Dilution	NA

Chrom Review	1st	If No, why is data reportable?	2nd
15. For first analysis that is at a dilution, is highest target analyte >20% cal range? *List samples and reason:* Sample Reason Sample Reason _____ _____ _____ _____ _____ _____ _____ _____		□ (1) Reporting Limit – Dilution, Matrix (NCM#_____) □ (2) Reporting Limit – Dilution, Non-Target (NCM#_____) □ (3) Issues with initial collection volume; see DRC.	Y
16. RIC inspected for proper integration for TPH?			NA
17. Obvious non-TPH peaks excluded?			NA
18. Individual TPH peak area < octane high point area?			NA

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 20 & KNOX-MS-0023, Rev 4

TALS Review	**1st**	**If No, why is data reportable?**	**2nd**
19. Graphics uploaded? [open one paperclip]			**Y**
20. NCM generated if BFB failed TO-14A criteria, but passes TO-15?		□ [Failed TO-14A, but passes TO-15] (NCM#_____)	**Y**
21. Is the %D ≤ 30% for all target analytes? [≤ 50% for 1&2 methylnaphthalene] [Chrom-F8] [TALS-Sample Results Tab]		□ CCV - %D - LCS criteria met (NCM#_____) □ CCV - %D high - outside criteria, samples ND, Sample IDs Included (NCM#_____)	**Y**
22. Undiluted volume analyzed meets the method requirement (200 mL vs. 500 mL)?			**na**
23. Project & sample special instructions verified?			**Y**
24. If samples were Tedlar bags, was the 72 hr HT met? ** Narrate transfer to can.		□ Air Analysis - Air Sample Transfer to Canister (NCM#____)	**Y**
25. Sample analyses done within analytical holding time?		□ Holding Time – Received w/Insufficient Time (NCM#_____) □ Holding Time – Receipt (NCM#_____)	**NA**
26. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%, and no two consecutive MEs). [Sample Results Tab] Note: No LCS required for OH VAP.		□ Marginal Exceedances - Within ME Limits and Random; Report (NCM# ___) □ LCS/LCSD - %R High (NCM#_____)	**Y**
27. Suffixes assigned properly (DL/RE)? [Sample List Tab]			**Y**
28. Each job has QC created (BFB, CCV, LCS, MB)? [Sample List Tab]			**Y**
29. Analytes over calibration range set to secondary [Conditions Review Tab]			**NA**
30. Samples not reported set to 'Acceptable' or 'Rejected'? [Sample Results Tab]		**LCSD**	**Y**
31. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for n-butanol) *(If DUP not reported - set to 'Acceptable' for each job)*			**Y**
32. Samples linked to proper blank (200 mL or 500 mL)? [QC links]		**500 mL blank ID: 8** **200 mL blank ID: 9**	**Y**
33. Samples linked to job's BFB/CCV/LCS/MB? [QC Links]			**Y**
34. Correct ICV linked to each MB? [QC Links]			**Y**
35. Were all samples/QC analyzed within 24 hr of BFB? [F7]			**Y**
36. If criteria were not met, was a NCM generated, and assigned to proper QC & samples? [Also see Conditions Review Tab]			**Y**
37. Run Checklist and acknowledge findings [F8]			**Y**
38. Runs set to 1st level review?		Runs set to 2nd level review?	**Y**
39. QC checker run and items addressed?	**-na-**		**Y**
40. Checklist & Entech report scanned, attached & assigned properly?	**-na-**		**Y**

Number of target analytes in LCS | # marginal exceedances of LCS control limits allowed

Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed
>90	5
71 - 90	4
51 - 70	3
31 - 50	2
11 - 30	1
< 11	0

Analyst:	**Date:**	**2nd Level Reviewer : LL**	**Date: 4/14/21**
Comments:		**Comments:**	
Example Calculation:			
On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF			

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxvill Job No.: 140-22606-1

SDG No.:

Batch Number: 48621 Batch Start Date: 04/10/21 07:28 Batch Analyst: Taj, Holly M

Batch Method: TO 15 LL Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	InitialPressure	FinalPressure	40CV101P 00138	40MXBFB 00001
BFB 140-48621/1		TO 15 LL		500 mL	500 mL	1	1		40 mL
CCVIS 140-48621/2		TO 15 LL		500 mL	500 mL	1	1	100 mL	
MB 140-48621/4		TO 15 LL		500 mL	500 mL	1	1		
140-22606-A-1	H1_SS_ECH_2021	TO 15 LL	T	200 mL	500 mL	1	1		
140-22606-A-2	DUPE_SS_ECH_2021	TO 15 LL	T	200 mL	500 mL	1	1		
140-22606-A-3	H1_IA_ECH_2021	TO 15 LL	T	200 mL	500 mL	1	1		
140-22606-A-4	H1_OA_ECH_2021	TO 15 LL	T	500 mL	500 mL	1	1		
LCS 140-48621/1002		TO 15 LL		500 mL	500 mL	1	1	100 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	40MXISSUR 00001					
BFB 140-48621/1		TO 15 LL							
CCVIS 140-48621/2		TO 15 LL		40 mL					
MB 140-48621/4		TO 15 LL		40 mL					
140-22606-A-1	H1_SS_ECH_2021	TO 15 LL	T	40 mL					
140-22606-A-2	DUPE_SS_ECH_2021	TO 15 LL	T	40 mL					
140-22606-A-3	H1_IA_ECH_2021	TO 15 LL	T	40 mL					
140-22606-A-4	H1_OA_ECH_2021	TO 15 LL	T	40 mL					
LCS 140-48621/1002		TO 15 LL		40 mL					

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.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxvill Job No.: 140-22606-1

SDG No.:

Batch Number: 48707 Batch Start Date: 04/12/21 08:03 Batch Analyst: Taj, Holly M

Batch Method: TO 15 LL Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	InitialPressure	FinalPressure	40CV101P 00137	40MXBFB 00001
BFB 140-48707/1		TO 15 LL		500 mL	500 mL	1	1		40 mL
CCVIS 140-48707/2		TO 15 LL		500 mL	500 mL	1	1	100 mL	
MB 140-48707/4		TO 15 LL		500 mL	500 mL	1	1		
140-22606-A-4	H1_OA_ECH_2021	TO 15 LL	T	125 mL	500 mL	1	1		
140-22606-A-1	H1_SS_ECH_2021	TO 15 LL	T	30 mL	500 mL	1	1		
140-22606-A-2	DUPE_SS_ECH_2021	TO 15 LL	T	30 mL	500 mL	1	1		
LCS 140-48707/1002		TO 15 LL		500 mL	500 mL	1	1	100 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	40MXISSUR 00001					
BFB 140-48707/1		TO 15 LL							
CCVIS 140-48707/2		TO 15 LL		40 mL					
MB 140-48707/4		TO 15 LL		40 mL					
140-22606-A-4	H1_OA_ECH_2021	TO 15 LL	T	40 mL					
140-22606-A-1	H1_SS_ECH_2021	TO 15 LL	T	40 mL					
140-22606-A-2	DUPE_SS_ECH_2021	TO 15 LL	T	40 mL					
LCS 140-48707/1002		TO 15 LL		40 mL					

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.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxvill Job No.: 140-22606-1

SDG No.:

Batch Number: 48724 Batch Start Date: 04/13/21 10:28 Batch Analyst: Taj, Holly M

Batch Method: TO 15 LL Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	InitialPressure	FinalPressure	40CV101P 00137	40MXBFB 00001
BFB 140-48724/1		TO 15 LL		500 mL	500 mL	1	1		40 mL
CCVIS 140-48724/2		TO 15 LL		500 mL	500 mL	1	1	100 mL	
MB 140-48724/8		TO 15 LL		500 mL	500 mL	1	1		
140-22606-A-3	H1_IA_ECH_2021	TO 15 LL	T	20 mL	500 mL	1	1		
LCS 140-48724/1002		TO 15 LL		500 mL	500 mL	1	1	100 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	40MXISSUR 00001					
BFB 140-48724/1		TO 15 LL							
CCVIS 140-48724/2		TO 15 LL		40 mL					
MB 140-48724/8		TO 15 LL		40 mL					
140-22606-A-3	H1_IA_ECH_2021	TO 15 LL	T	40 mL					
LCS 140-48724/1002		TO 15 LL		40 mL					

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.

Summa Canister Dilution Worksheet

Client: New York State D.E.C.
Project/Site: 10 East Chester St. #C356032A

Job No.: 140-22606-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
140-22606-1	6	-7.2	0.76	4.56	0.0	1.00	6.00		1.32	1.32	G5	04/06/21 9:32	BRS
140-22606-2	6	-7.6	0.75	4.48	0.0	1.00	6.00		1.34	1.34	G5	04/06/21 9:33	BRS
140-22606-3	6	-7.8	0.74	4.44	0.0	1.00	6.00		1.35	1.35	G5	04/06/21 9:34	BRS

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg
Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22346-1

SDG No.:

Client Sample ID: 34001249 Lab Sample ID: 140-22346-1

Matrix: Air Lab File ID: C19L22346.D

Analysis Method: TO 15 LL Date Collected: 03/18/2021 16:20

Sample wt/vol: 500(mL) Date Analyzed: 03/19/2021 15:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 47860 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.080	
79-00-5	1,1,2-Trichloroethane	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND		0.080	
75-34-3	1,1-Dichloroethane	ND		0.080	
75-35-4	1,1-Dichloroethene	ND		0.040	
87-61-6	1,2,3-Trichlorobenzene	ND		0.40	
96-18-4	1,2,3-Trichloropropane	ND		0.20	
526-73-8	1,2,3-Trimethylbenzene	ND		0.080	
95-93-2	1,2,4,5-Tetramethylbenzene	ND		0.080	
120-82-1	1,2,4-Trichlorobenzene	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	ND		0.080	
96-12-8	1,2-Dibromo-3-Chloropropane	ND		0.16	
106-93-4	1,2-Dibromoethane	ND		0.080	
95-50-1	1,2-Dichlorobenzene	ND		0.080	
107-06-2	1,2-Dichloroethane	ND		0.080	
78-87-5	1,2-Dichloropropane	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	ND		0.080	
106-99-0	1,3-Butadine	ND		0.16	
541-73-1	1,3-Dichlorobenzene	ND		0.080	
106-46-7	1,4-Dichlorobenzene	ND		0.080	
123-91-1	1,4-Dioxane	ND		0.20	
71-36-3	1-Butanol	ND		0.80	
90-12-0	1-Methylnaphthalene	ND		1.0	
540-84-1	2,2,4-Trimethylpentane	ND		0.20	
565-59-3	2,3-Dimethylpentane	ND		0.080	
78-93-3	2-Butanone	ND		0.32	
95-49-8	2-Chlorotoluene	ND		0.16	
591-78-6	2-Hexanone	ND		0.20	
78-78-4	2-Methylbutane	ND		0.20	
91-57-6	2-Methylnaphthalene	ND		1.0	
107-83-5	2-Methylpentane	ND		0.080	
107-05-1	3-Chloroprene	ND		0.080	
622-96-8	4-Ethyltoluene	ND		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22346-1

SDG No.:

Client Sample ID: 34001249 Lab Sample ID: 140-22346-1

Matrix: Air Lab File ID: C19L22346.D

Analysis Method: TO 15 LL Date Collected: 03/18/2021 16:20

Sample wt/vol: 500(mL) Date Analyzed: 03/19/2021 15:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 47860 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
67-64-1	Acetone	ND		2.0	
75-05-8	Acetonitrile	ND		0.40	
107-02-8	Acrolein	ND		0.40	
107-13-1	Acrylonitrile	ND		0.80	
98-83-9	Alpha Methyl Styrene	ND		0.16	
71-43-2	Benzene	ND		0.080	
100-44-7	Benzyl chloride	ND		0.16	
75-27-4	Bromodichloromethane	ND		0.080	
75-25-2	Bromoform	ND		0.080	
74-83-9	Bromomethane	ND		0.080	
106-97-8	Butane	ND		0.16	
75-15-0	Carbon disulfide	ND		0.20	
56-23-5	Carbon tetrachloride	ND		0.032	
108-90-7	Chlorobenzene	ND		0.080	
75-45-6	Chlorodifluoromethane	ND		0.080	
75-00-3	Chloroethane	ND		0.080	
67-66-3	Chloroform	ND		0.080	
74-87-3	Chloromethane	ND		0.20	
156-59-2	cis-1,2-Dichloroethene	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	ND		0.080	
98-82-8	Cumene	ND		0.16	
110-82-7	Cyclohexane	ND		0.20	
124-48-1	Dibromochloromethane	ND		0.080	
74-95-3	Dibromomethane	ND		0.16	
75-71-8	Dichlorodifluoromethane	ND		0.080	
64-17-5	Ethanol	ND		2.0	
141-78-6	Ethyl acetate	ND		0.80	
60-29-7	Ethyl ether	ND		0.80	
100-41-4	Ethylbenzene	ND		0.080	
87-68-3	Hexachlorobutadiene	ND		0.080	
110-54-3	Hexane	ND		0.20	
496-11-7	Indane	ND		0.080	
95-13-6	Indene	ND		0.16	
67-63-0	Isopropyl alcohol	ND		0.80	
80-62-6	Methyl methacrylate	ND		0.20	
1634-04-4	Methyl tert-butyl ether	ND		0.16	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22346-1

SDG No.:

Client Sample ID: 34001249 Lab Sample ID: 140-22346-1

Matrix: Air Lab File ID: C19L22346.D

Analysis Method: TO 15 LL Date Collected: 03/18/2021 16:20

Sample wt/vol: 500(mL) Date Analyzed: 03/19/2021 15:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 47860 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
108-87-2	Methylcyclohexane	ND		0.080	
75-09-2	Methylene Chloride	ND		0.40	
179601-23-1	m-Xylene & p-Xylene	ND		0.080	
91-20-3	Naphthalene	ND		0.20	
104-51-8	n-Butylbenzene	ND		0.16	
124-18-5	n-Decane	ND		0.40	
112-40-3	n-Dodecane	ND		0.40	
142-82-5	n-Heptane	ND		0.20	
111-84-2	n-Nonane	ND		0.20	
111-65-9	n-Octane	ND		0.16	
103-65-1	N-Propylbenzene	ND		0.16	
95-47-6	o-Xylene	ND		0.080	
99-87-6	p-Cymene	ND		0.080	
109-66-0	Pentane	ND		0.40	
115-07-1	Propene	ND		1.0	
135-98-8	sec-Butylbenzene	ND		0.16	
100-42-5	Styrene	ND		0.080	
75-65-0	tert-Butanol	ND		0.32	
98-06-6	tert-Butylbenzene	ND		0.20	
127-18-4	Tetrachloroethene	ND		0.040	
109-99-9	Tetrahydrofuran	ND		0.40	
110-02-1	Thiophene	ND		0.080	
108-88-3	Toluene	ND		0.12	
156-60-5	trans-1,2-Dichloroethene	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	ND		0.080	
79-01-6	Trichloroethene	ND		0.036	
75-69-4	Trichlorofluoromethane	ND		0.080	
1120-21-4	Undecane	ND		0.40	
108-05-4	Vinyl acetate	ND		0.40	
593-60-2	Vinyl bromide	ND		0.080	
75-01-4	Vinyl chloride	ND		0.040	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22346-1

SDG No.:

Client Sample ID: 34001249 Lab Sample ID: 140-22346-1

Matrix: Air Lab File ID: C19L22346.D

Analysis Method: TO 15 LL Date Collected: 03/18/2021 16:20

Sample wt/vol: 500(mL) Date Analyzed: 03/19/2021 15:15

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 47860 Units: ppb v/v

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
488-23-3	1,2,3,4-Tetramethylbenzene TIC		ND		
527-53-7	1,2,3,5-Tetramethylbenzene TIC		ND		
934-80-5	1,2-Dimethyl-4-Ethylbenzene TIC		ND		
872-55-9	2-Ethylthiophene TIC		ND		
554-14-3	2-Methylthiophene TIC		ND		
616-44-4	3-Methylthiophene TIC		ND		
95-15-8	Benzo(b)thiophene TIC		ND		

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20210318-18539.b\C19L22346.D				
Lims ID:	140-22346-A-1				
Client ID:	34001249				
Sample Type:	Client				
Inject. Date:	19-Mar-2021 15:15:30	ALS Bottle#:	2	Worklist Smp#:	26
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018539-026				
Misc. Info.:	34001249				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210318-18539.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	21-Mar-2021 08:28:41	Calib Date:	17-Feb-2021 20:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1686				
First Level Reviewer: tajh		Date:	21-Mar-2021 08:28:41		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.204	8.204	0.000	94	330876	4.80	
* 2 1,4-Difluorobenzene	114	10.410	10.410	0.000	97	1738190	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.252	15.252	0.000	93	1331360	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.907	16.907	-0.001	86	906012	4.66	
49 n-Butanol	31	9.903	9.827	0.070	76	2753	0.0580	
74 Chlorobenzene	112	15.300	15.300	-0.001	80	1674	0.006195	
104 Undecane	57	19.345	19.345	0.000	88	3013	0.008029	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

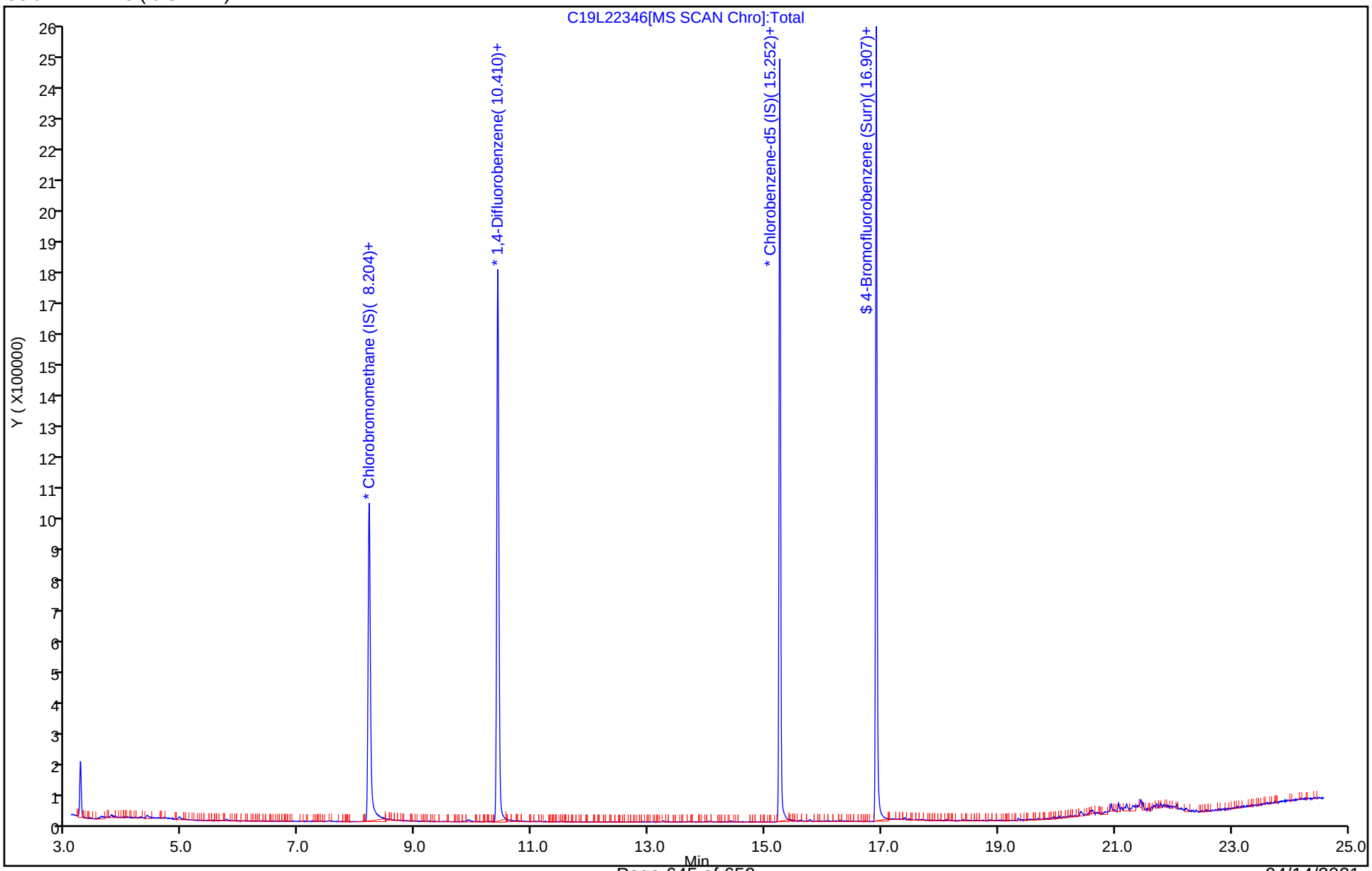
Report Date: 21-Mar-2021 08:28:42 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20210318-18539.b\C19L22346.D

Injection Date:	19-Mar-2021 15:15:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-22346-A-1	Lab Sample ID:	140-22346-1	Worklist Smp#:	26
Client ID:	34001249				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



04/14/2021

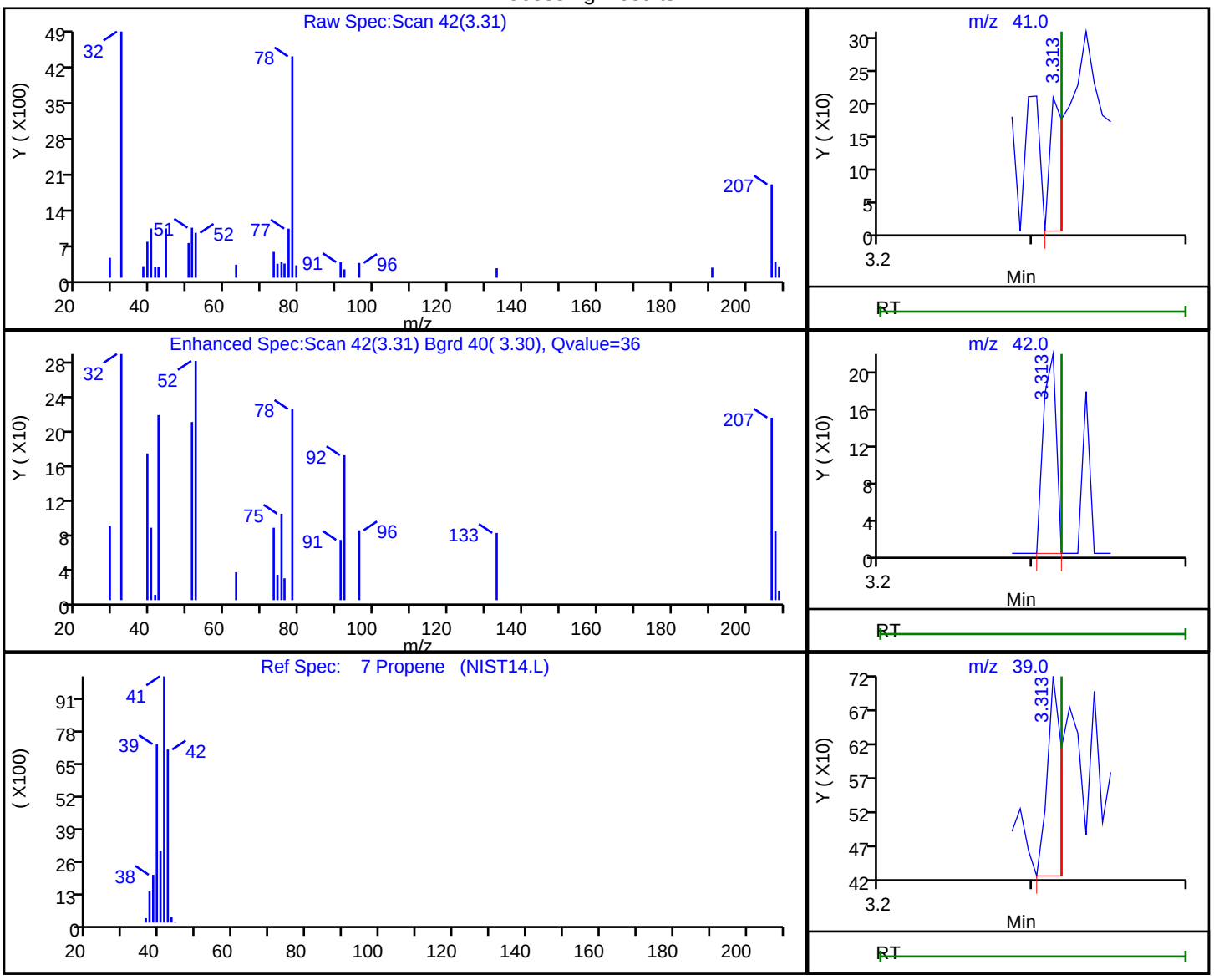
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210318-18539.b\C19L22346.D				
Injection Date:	19-Mar-2021 15:15:30	Instrument ID:	MR		
Lims ID:	140-22346-A-1	Lab Sample ID:	140-22346-1		
Client ID:	34001249				
Operator ID:	HMT	ALS Bottle#:	2	Worklist Smp#:	26
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

7 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
3.31	41.00	123	0.001129
3.31	42.00	124	
3.31	39.00	185	

Reviewer: tajh, 21-Mar-2021 08:28:30

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22412-1

SDG No.:

Client Sample ID: 09938 Lab Sample ID: 140-22412-13

Matrix: Air Lab File ID: R500LC24.D

Analysis Method: TO 15 LL Date Collected: 03/23/2021 17:50

Sample wt/vol: 500(mL) Date Analyzed: 03/24/2021 13:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48004 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.080	
79-00-5	1,1,2-Trichloroethane	ND		0.080	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND		0.080	
75-34-3	1,1-Dichloroethane	ND		0.080	
75-35-4	1,1-Dichloroethene	ND		0.040	
87-61-6	1,2,3-Trichlorobenzene	ND		0.40	
96-18-4	1,2,3-Trichloropropane	ND		0.20	
526-73-8	1,2,3-Trimethylbenzene	ND		0.080	
95-93-2	1,2,4,5-Tetramethylbenzene	ND		0.080	
120-82-1	1,2,4-Trichlorobenzene	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	ND		0.080	
96-12-8	1,2-Dibromo-3-Chloropropane	ND		0.16	
106-93-4	1,2-Dibromoethane	ND		0.080	
95-50-1	1,2-Dichlorobenzene	ND		0.080	
107-06-2	1,2-Dichloroethane	ND		0.080	
78-87-5	1,2-Dichloropropane	ND		0.080	
76-14-2	1,2-Dichlorotetrafluoroethane	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	ND		0.080	
106-99-0	1,3-Butadine	ND		0.16	
541-73-1	1,3-Dichlorobenzene	ND		0.080	
106-46-7	1,4-Dichlorobenzene	ND		0.080	
123-91-1	1,4-Dioxane	ND		0.20	
71-36-3	1-Butanol	ND		0.80	
90-12-0	1-Methylnaphthalene	ND		1.0	
540-84-1	2,2,4-Trimethylpentane	ND		0.20	
565-59-3	2,3-Dimethylpentane	ND		0.080	
78-93-3	2-Butanone	ND		0.32	
95-49-8	2-Chlorotoluene	ND		0.16	
591-78-6	2-Hexanone	ND		0.20	
78-78-4	2-Methylbutane	ND		0.20	
91-57-6	2-Methylnaphthalene	ND		1.0	
107-83-5	2-Methylpentane	ND		0.080	
107-05-1	3-Chloroprene	ND		0.080	
622-96-8	4-Ethyltoluene	ND		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		0.20	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22412-1

SDG No.:

Client Sample ID: 09938 Lab Sample ID: 140-22412-13

Matrix: Air Lab File ID: R500LC24.D

Analysis Method: TO 15 LL Date Collected: 03/23/2021 17:50

Sample wt/vol: 500(mL) Date Analyzed: 03/24/2021 13:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48004 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
67-64-1	Acetone	ND		2.0	
75-05-8	Acetonitrile	ND		0.40	
107-02-8	Acrolein	ND		0.40	
107-13-1	Acrylonitrile	ND		0.80	
98-83-9	Alpha Methyl Styrene	ND		0.16	
71-43-2	Benzene	ND		0.080	
100-44-7	Benzyl chloride	ND		0.16	
75-27-4	Bromodichloromethane	ND		0.080	
75-25-2	Bromoform	ND		0.080	
74-83-9	Bromomethane	ND		0.080	
106-97-8	Butane	ND		0.16	
75-15-0	Carbon disulfide	ND		0.20	
56-23-5	Carbon tetrachloride	ND		0.032	
108-90-7	Chlorobenzene	ND		0.080	
75-45-6	Chlorodifluoromethane	ND		0.080	
75-00-3	Chloroethane	ND		0.080	
67-66-3	Chloroform	ND		0.080	
74-87-3	Chloromethane	ND		0.20	
156-59-2	cis-1,2-Dichloroethene	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	ND		0.080	
98-82-8	Cumene	ND		0.16	
110-82-7	Cyclohexane	ND		0.20	
124-48-1	Dibromochloromethane	ND		0.080	
74-95-3	Dibromomethane	ND		0.16	
75-71-8	Dichlorodifluoromethane	ND		0.080	
64-17-5	Ethanol	ND		2.0	
141-78-6	Ethyl acetate	ND		0.80	
60-29-7	Ethyl ether	ND		0.80	
100-41-4	Ethylbenzene	ND		0.080	
87-68-3	Hexachlorobutadiene	ND		0.080	
110-54-3	Hexane	ND		0.20	
496-11-7	Indane	ND		0.080	
95-13-6	Indene	ND		0.16	
67-63-0	Isopropyl alcohol	20		0.80	
80-62-6	Methyl methacrylate	ND		0.20	
1634-04-4	Methyl tert-butyl ether	ND		0.16	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22412-1

SDG No.:

Client Sample ID: 09938 Lab Sample ID: 140-22412-13

Matrix: Air Lab File ID: R500LC24.D

Analysis Method: TO 15 LL Date Collected: 03/23/2021 17:50

Sample wt/vol: 500(mL) Date Analyzed: 03/24/2021 13:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48004 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	
108-87-2	Methylcyclohexane	ND		0.080	
75-09-2	Methylene Chloride	ND		0.40	
179601-23-1	m-Xylene & p-Xylene	ND		0.080	
91-20-3	Naphthalene	ND		0.20	
104-51-8	n-Butylbenzene	ND		0.16	
124-18-5	n-Decane	ND		0.40	
112-40-3	n-Dodecane	ND		0.40	
142-82-5	n-Heptane	ND		0.20	
111-84-2	n-Nonane	ND		0.20	
111-65-9	n-Octane	ND		0.16	
103-65-1	N-Propylbenzene	ND		0.16	
95-47-6	o-Xylene	ND		0.080	
99-87-6	p-Cymene	ND		0.080	
109-66-0	Pentane	ND		0.40	
115-07-1	Propene	ND		1.0	
135-98-8	sec-Butylbenzene	ND		0.16	
100-42-5	Styrene	ND		0.080	
75-65-0	tert-Butanol	ND		0.32	
98-06-6	tert-Butylbenzene	ND		0.20	
127-18-4	Tetrachloroethene	ND		0.040	
109-99-9	Tetrahydrofuran	ND		0.40	
110-02-1	Thiophene	ND		0.080	
108-88-3	Toluene	ND		0.12	
156-60-5	trans-1,2-Dichloroethene	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	ND		0.080	
79-01-6	Trichloroethene	ND		0.036	
75-69-4	Trichlorofluoromethane	ND	*+	0.080	
1120-21-4	Undecane	ND		0.40	
108-05-4	Vinyl acetate	ND		0.40	
593-60-2	Vinyl bromide	ND		0.080	
75-01-4	Vinyl chloride	ND		0.040	

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-22412-1

SDG No.:

Client Sample ID: 09938 Lab Sample ID: 140-22412-13

Matrix: Air Lab File ID: R500LC24.D

Analysis Method: TO 15 LL Date Collected: 03/23/2021 17:50

Sample wt/vol: 500(mL) Date Analyzed: 03/24/2021 13:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 48004 Units: ppb v/v

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
488-23-3	1,2,3,4-Tetramethylbenzene TIC		ND		
527-53-7	1,2,3,5-Tetramethylbenzene TIC		ND		
934-80-5	1,2-Dimethyl-4-Ethylbenzene TIC		ND		
872-55-9	2-Ethylthiophene TIC		ND		
554-14-3	2-Methylthiophene TIC		ND		
616-44-4	3-Methylthiophene TIC		ND		
95-15-8	Benzo(b)thiophene TIC		ND		

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20210323-18584.b\R500LC24.D				
Lims ID:	140-22412-A-13				
Client ID:	09938				
Sample Type:	Client				
Inject. Date:	24-Mar-2021 13:30:30	ALS Bottle#:	1	Worklist Smp#:	6
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018584-001				
Misc. Info.:	BFB				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210323-18584.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	25-Mar-2021 06:46:28	Calib Date:	17-Feb-2021 20:59:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20210217-18243.b\RB17IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1643				
First Level Reviewer: tajh		Date:	25-Mar-2021 06:46:10		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.210	8.204	0.006	96	315972	4.80	
* 2 1,4-Difluorobenzene	114	10.410	10.404	0.006	97	1665921	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.252	15.247	0.005	91	1306405	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.908	16.908	0.006	87	882634	4.63	
25 Isopropyl alcohol	45	4.990	4.980	0.010	98	2993236	19.9	
51 Benzene	78	9.838	9.827	0.016	2	2568	0.008181	
74 Chlorobenzene	112	15.295	15.301	0.000	80	2081	0.007849	

QC Flag Legend

Processing Flags

Reagents:

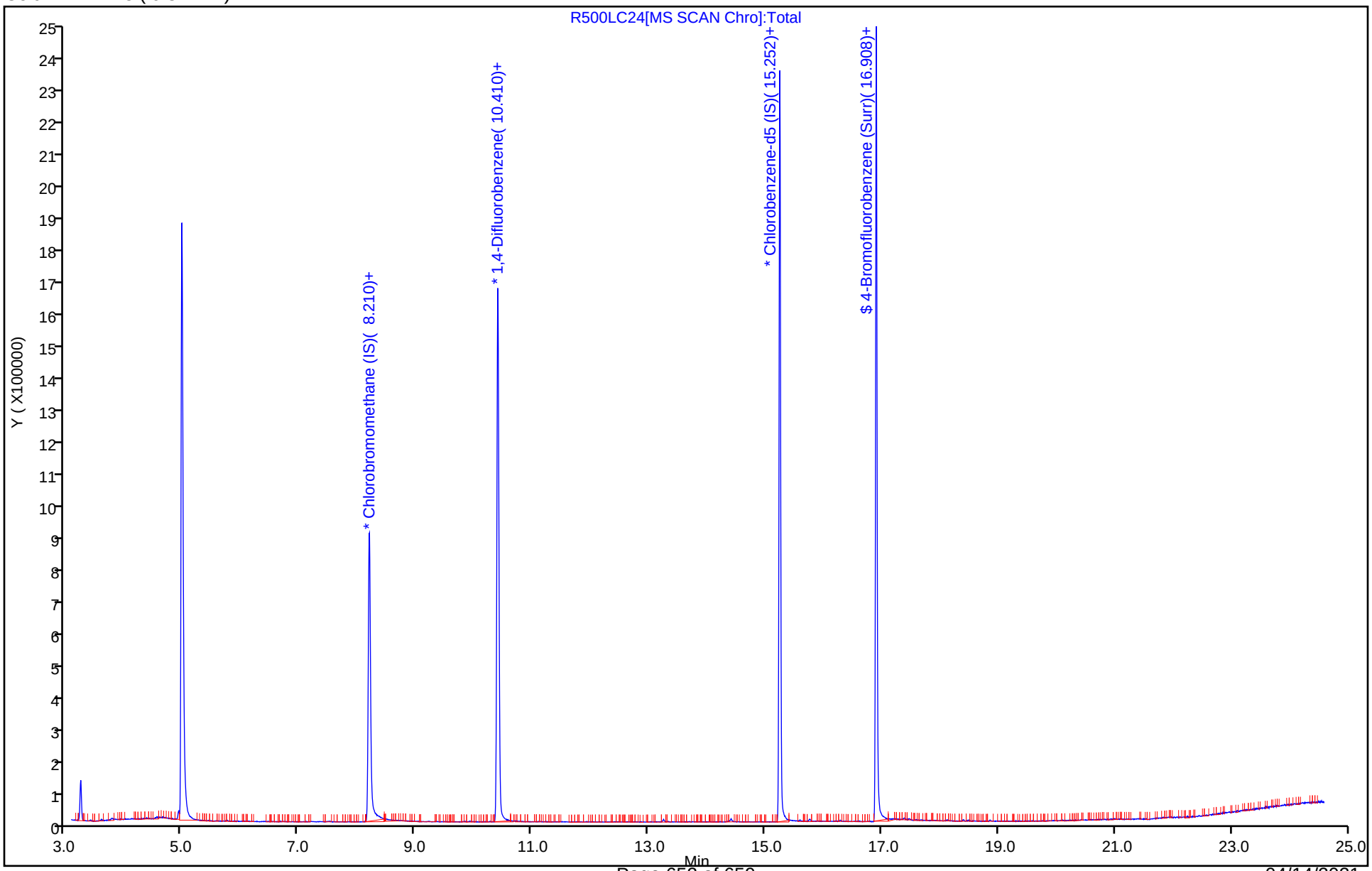
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 25-Mar-2021 06:46:40 Chrom Revision: 2.3 05-Feb-2021 00:13:28

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210323-18584.b\R500LC24.D				
Injection Date:	24-Mar-2021 13:30:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-22412-A-13	Lab Sample ID:	140-22412-13	Worklist Smp#:	6
Client ID:	09938				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

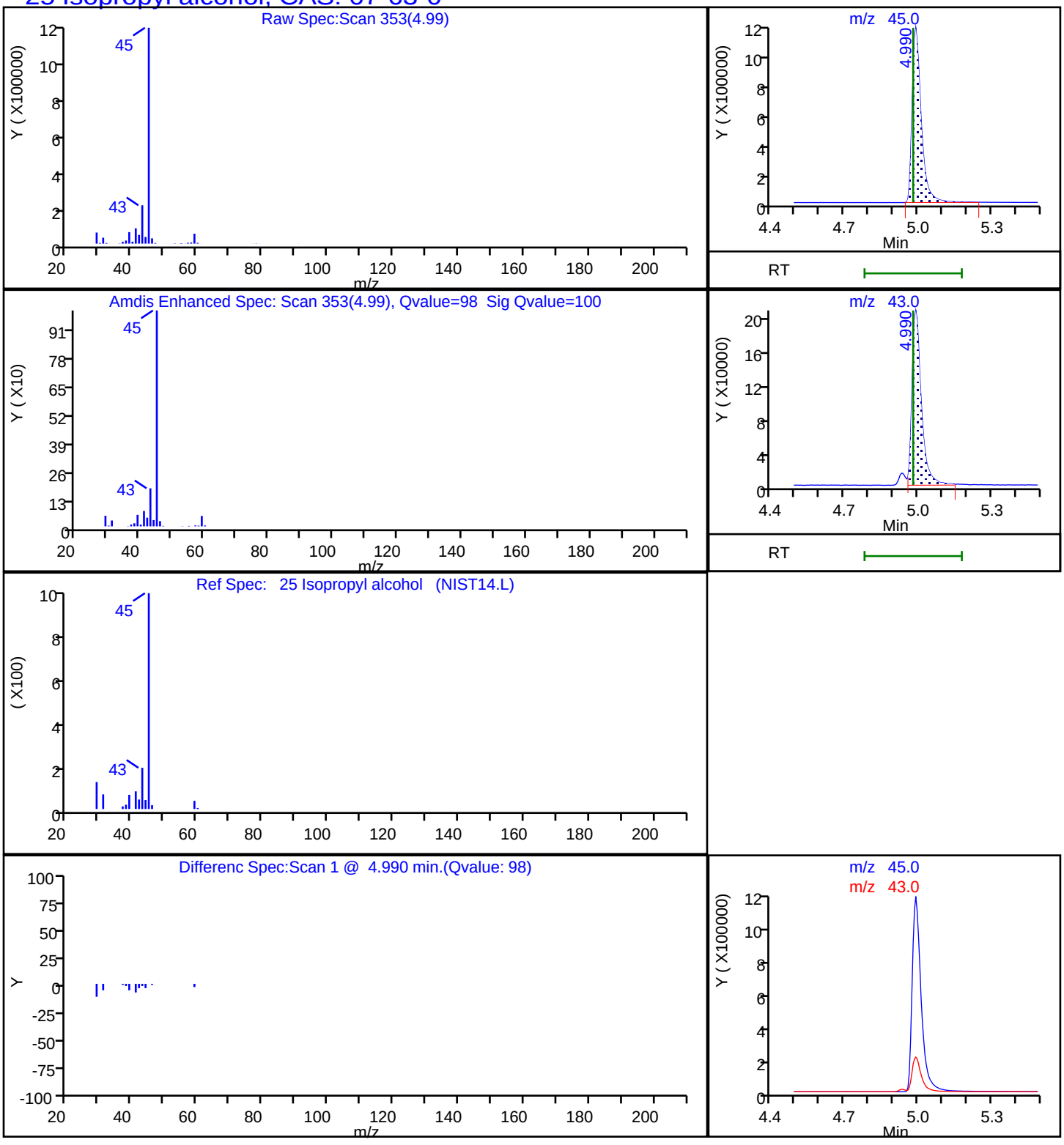


04/14/2021

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210323-18584.b\R500LC24.D		
Injection Date:	24-Mar-2021 13:30:30	Instrument ID:	MR
Lims ID:	140-22412-A-13	Lab Sample ID:	140-22412-13
Client ID:	09938		
Operator ID:	HMT	ALS Bottle#:	1 Worklist Smp#: 6
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

25 Isopropyl alcohol, CAS: 67-63-0



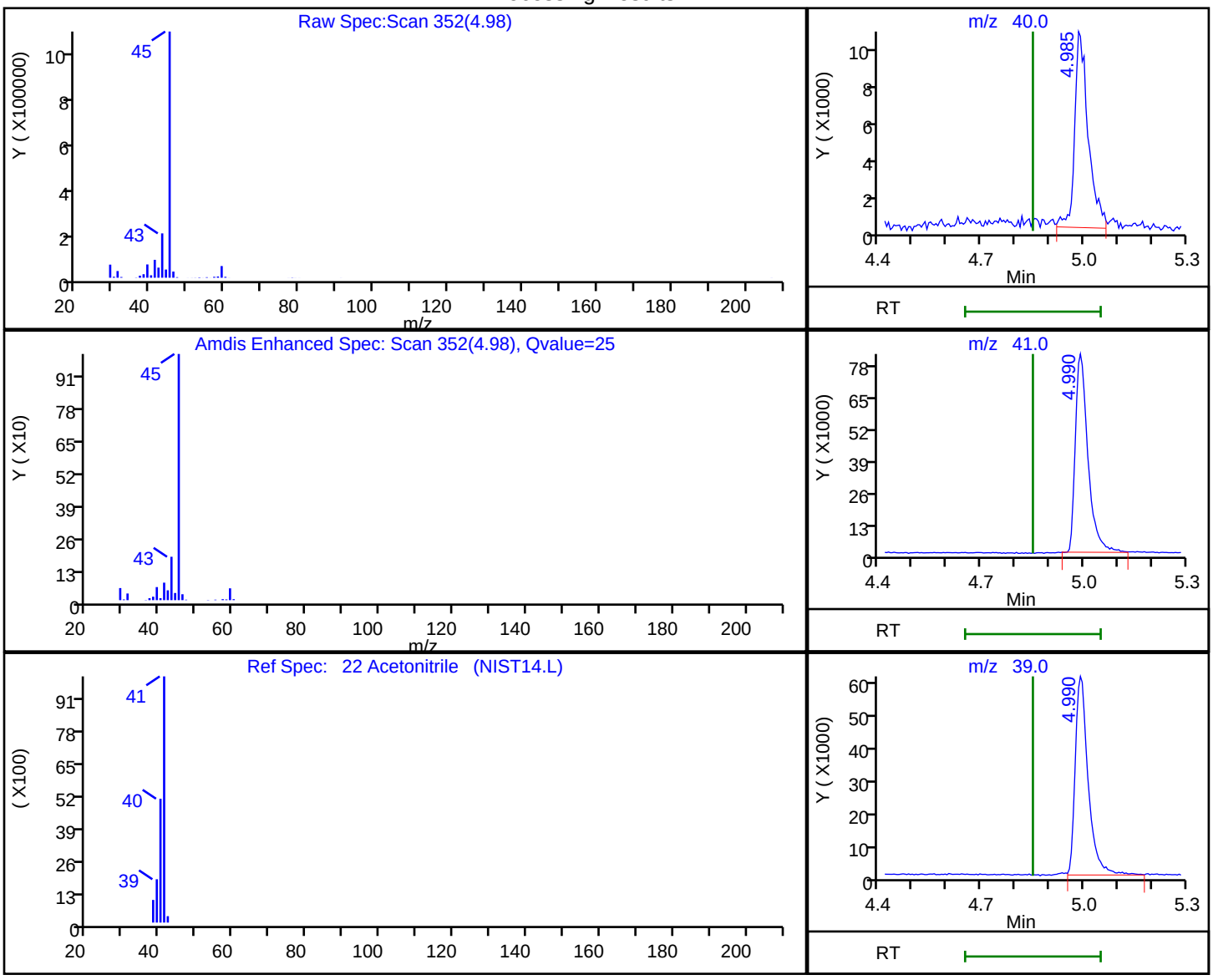
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210323-18584.b\R500LC24.D				
Injection Date:	24-Mar-2021 13:30:30	Instrument ID:	MR		
Lims ID:	140-22412-A-13	Lab Sample ID:	140-22412-13		
Client ID:	09938				
Operator ID:	HMT	ALS Bottle#:	1	Worklist Smp#:	6
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

22 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
4.98	40.00	27616	0.829709
4.99	41.00	211860	
4.99	39.00	163955	

Reviewer: tajh, 25-Mar-2021 06:46:01

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

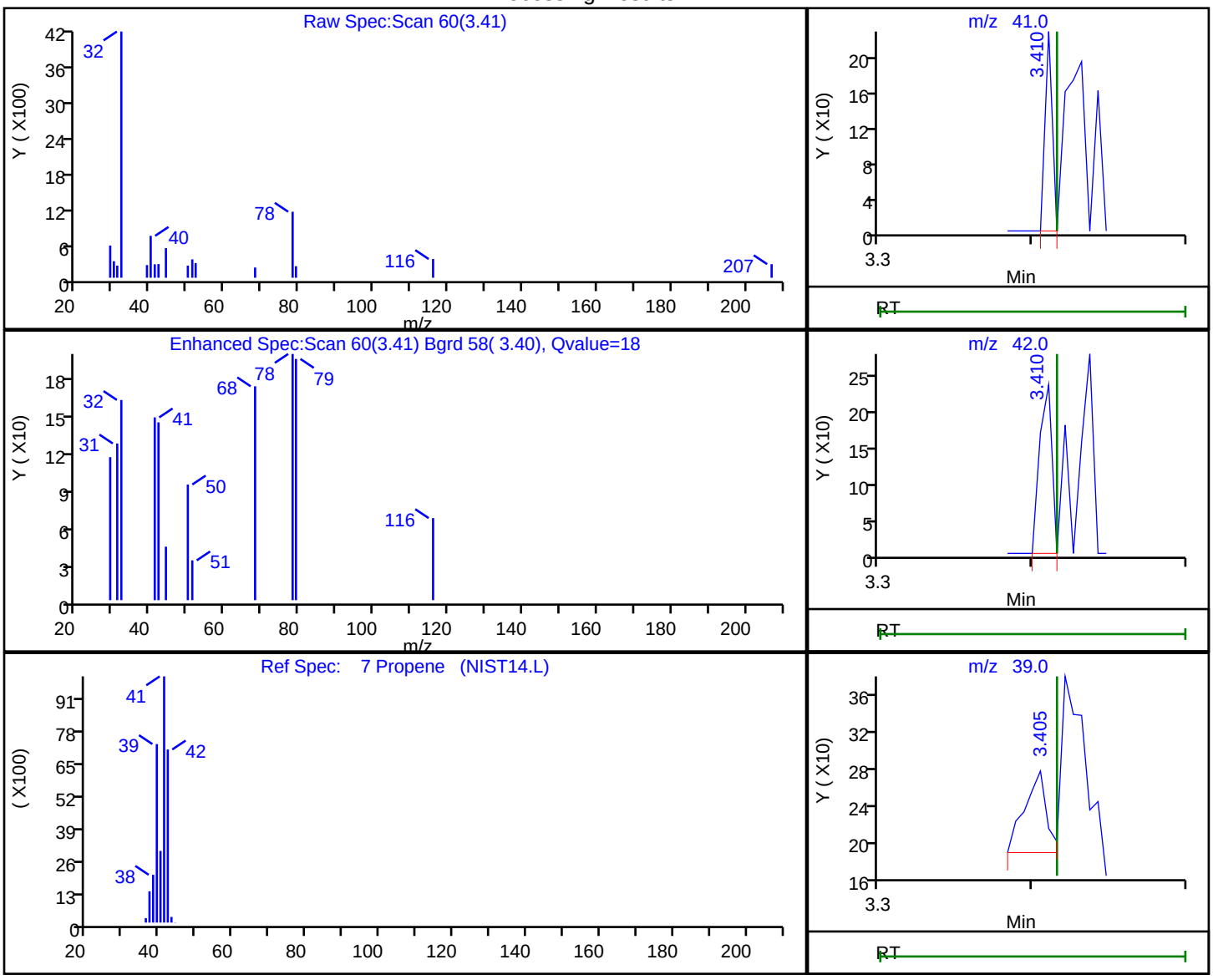
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210323-18584.b\R500LC24.D				
Injection Date:	24-Mar-2021 13:30:30	Instrument ID:	MR		
Lims ID:	140-22412-A-13	Lab Sample ID:	140-22412-13		
Client ID:	09938				
Operator ID:	HMT	ALS Bottle#:	1	Worklist Smp#:	6
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

7 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
3.41	41.00	73	0.000701
3.41	42.00	128	
3.41	39.00	88	

Reviewer: tajh, 25-Mar-2021 06:45:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Shipping and Receiving Documents

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike

Knoxville, TN 37921-5947
phone 865.291.3000 fax 865.584.4315

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

eurofins | Environment Testing America

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	**Client Project Manager:Amin Parag**	**Samples Collected By: TG / TR**
Company Name: Aztech / Labella	**Phone:518-402-9648**	
Address: 5 McCrea Hill Rd	parag.amin@dec.ny.gov	
City/State/Zip Ballston Spa, NY 12020		
Phone: 518-885-5383	**Site Contact:Tom Giamichael**	
FAX:	**Tel/Fax 518-3377635**	
Project Name: NYSDEC: 10 E. Chester (C356032A)	**Analysis Turnaround Time**	
Site/Location: H1	Standard (Specific):	
P O #	Rush (Specifiy):	

COC No: ___1___ of ___1___ COCs

TALS Project #:

For Lab Use Only:
Walk-in Client:
Lab Sampling:

Job / SDG No.:

(See below for Add'l Items)

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
H1_SS_ECH_2021	3.29.21	1456	3.30.21	1317	-30	-9	09915	34000373	X									X					
DUPE_SS_ECH_2021	3.29.21	1456	3.30.21	1317	-30	-9	8727	34000011	X									X					DUPE_SS_ECH_2021 PARENT
H1_IA_ECH_2021	3.29.21	1458	3.30.21	1316	-30	-9	7012	34000016	X								X						
H1_OA_ECH_2021	3.29.21	1505	3.30.21	1328	-30	-5	7105	34002040	X													X	Ambient outdoor air



Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Received @ ambient, 1 box, Fedex Priority, seal intact trk#9533 1304 2316 KW 4/2/21

Special Instructions/QC Requirements & Comments:

Samples Shipped by:	**Date / Time:**	**Samples Received by:**	4 cc 4 cans, 4 flow
Samples Relinquished by: Adel Wallal	**Date / Time:** 3.31.21 1300	**Received by:** Kevin ETA 4/2/21 1000	
Relinquished by:	**Date / Time:**	**Received by:**	
Lab Use Only:	**Shipper Name:**	**Opened by:**	**Condition:**

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Log In Number:

Review Items	Yes	No	NA	If No, what was the problem?
1. Are the shipping containers intact?	/			☐ **Containers, Broken**
2. Were ambient air containers received intact?			/	☐ Checked in lab
3. The coolers/containers custody seal if present, is it intact?	/			☐ Yes ☐ NA
4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID :_____ Correction factor: _____			/	☐ **Cooler Out of Temp, Client Contacted, Proceed/Cancel** ☐ **Cooler Out of Temp, Same Day Receipt**
5. Were all of the sample containers received intact?	/			☐ **Containers, Broken**
6. Were samples received in appropriate containers?	/			☐ **Containers, Improper; Client Contacted; Proceed/Cancel**
7. Do sample container labels match COC? (IDs, Dates, Times)	/			☐ **COC & Samples Do Not Match** ☐ **COC Incorrect/Incomplete** ☐ **COC Not Received**
8. Were all of the samples listed on the COC received?	/			☐ **Sample Received, Not on COC** ☐ **Sample on COC, Not Received**
9. Is the date/time of sample collection noted?	/			☐ **COC; No Date/Time; Client Contacted**
10. Was the sampler identified on the COC?	/			☐ **Sampler Not Listed on COC**
11. Is the client and project name/# identified?	/			☐ **COC Incorrect/Incomplete**
12. Are tests/parameters listed for each sample?	/			☐ **COC No tests on COC**
13. Is the matrix of the samples noted?	/			☐ **COC Incorrect/Incomplete**
14. Was COC relinquished? (Signed/Dated/Timed)	/			☐ **COC Incorrect/Incomplete**
15. Were samples received within holding time?	/			☐ **Holding Time - Receipt**
16. Were samples received with correct chemical preservative (excluding Encore)?			/	☐ **pH Adjusted, pH Included (See box 16A)** ☐ **Incorrect Preservative**
17. Were VOA samples received without headspace?			/	☐ **Headspace (VOA only)**
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number:_____			/	☐ **Residual Chlorine**
19. For 1613B water samples is pH<9?			/	☐ If no, notify lab to adjust
20. For rad samples was sample activity info. Provided?			/	☐ Project missing info

Comments/Actions Taken

Labeling Verified by: **Date:**

pH test strip lot number:

	Box 16A: pH Preservation	Box 18A: Residual Chlorine
Preservative:		
Lot Number:		
Exp Date:		
Analyst:		
Date:		
Time:		

Project #: 1400654 PM Instructions: _____

Sample Receiving Associate: _____ Date: 4/2/21

QA026R32.doc, 062719

TestAmerica Knoxville - Air Canister Initial Pressure Check

Gauge ID: G5
Date: 4/6/2021

Analyst	Sample ID	Asset #	Cleaning Job	Cert	Size (L)	Pressure @ Receipt (-in Hg or +psig)	Time	Comments
BRS	140-22606-a-1	34000373	140-22412-	B	6	-7.2	9:30	0.0
BRS	140-22606-a-2	34000011	140-22346-	B	6	-7.6	9:31	0.0
BRS	140-22606-a-3	34000016	140-22412-	B	6	-7.8	9:32	0.0
BRS	140-22606-a-4	34002040	140-22346-	B	6	-4.4	9:33	

□ Receiving –Air Can –Calve Open (NCM #_____)
□ Air - Can P -24 to -25 " - Flow Contr. Works (NCM#_____)
□ Air - Can P -24 to -25 " - Flow Contr. Faulty (NCM#_____)
□ Air - Can P Out -26" - Flow Contr. Works (NCM#_____)
□ Air - Can P Out -26" - Flow Contr. Faulty (NCM#_____)
□ Air - Can P Low -24 to -25 " - Grab Sample (NCM#_____)
□ Air - Can P Low -26 "- Grab Sample (NCM#_____)

ATTACHMENT - G

A. Laboratory Groundwater Analytical Report (March 2023)

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

March 28, 2023

Parag Amin
NYDEC_Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020

Project Location: 10 East Chester St., Kingston, NY
Client Job Number:
Project Number: C356032A
Laboratory Work Order Number: 23C1251

Enclosed are results of analyses for samples as received by the laboratory on March 9, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kyle A. Murray
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_Labella Associates - Ballston Spa, NY
5 McCrea Hill Road
Ballston Spa, NY 12020
ATTN: Parag Amin

REPORT DATE: 3/28/2023

PURCHASE ORDER NUMBER: 143096

PROJECT NUMBER: C356032A

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23C1251

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: 10 East Chester St., Kingston, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SB-4	23C1251-01	Ground Water		SW-846 8260D	
SB-8	23C1251-02	Ground Water		SW-846 8260D	
SB-6	23C1251-03	Ground Water		SW-846 8260D	
SB-7	23C1251-04	Ground Water		SW-846 8260D	
SB-2	23C1251-05	Ground Water		SW-846 8260D	
SB-3	23C1251-06	Ground Water		SW-846 8260D	
SB-5	23C1251-07	Ground Water		SW-846 8260D	
SB-1	23C1251-08	Ground Water		SW-846 8260D	
Field Duplicate-1	23C1251-09	Ground Water		SW-846 8260D	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

SW-846 8260D

Qualifications:

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Vinyl Chloride
B334020-BS1

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

cis-1,2-Dichloroethylene
23C1251-03[SB-6], B334020-MS1, B334020-MSD1

Vinyl Chloride
23C1251-03[SB-6], B334020-MS1, B334020-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

Trichlorofluoromethane (Freon 11)
B334020-MS1

PR-08

pH of sample (pH 5) is outside of method specified preservation criteria.

Analyte & Samples(s) Qualified:

23C1251-03[SB-6]

PR-09

pH of sample (pH 6) is outside of method specified preservation criteria.

Analyte & Samples(s) Qualified:

23C1251-06[SB-3], 23C1251-09[Field Duplicate-1]

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

Analyte & Samples(s) Qualified:

cis-1,2-Dichloroethylene
23C1251-03[SB-6], B334020-MS1, B334020-MSD1

RL-11

Elevated reporting limit due to high concentration of target compounds.

Analyte & Samples(s) Qualified:

23C1251-01[SB-4]

RL-12

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

23C1251-02[SB-8], 23C1251-06[SB-3]

V-06

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Vinyl Chloride
23C1251-03[SB-6], 23C1251-04[SB-7], 23C1251-05[SB-2], 23C1251-06[SB-3], 23C1251-09[Field Duplicate-1], B334020-BS1, B334020-BSD1, B334020-MS1, B334020-MSD1, S084600-CCV1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

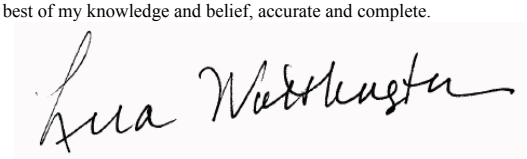
Z-01

Sample poured off into another vial with headspace due to sediment present in sample vial.

Analyte & Samples(s) Qualified:

23C1251-09[Field Duplicate-1]

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: SB-4 Sampled: 3/8/2023 10:10

Sample ID: 23C1251-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	89	100	4.0	µg/L	2	J	SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Benzene	ND	2.0	0.37	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Bromochloromethane	ND	2.0	0.57	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Bromodichloromethane	ND	1.0	0.32	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Bromoform	ND	2.0	0.82	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Bromomethane	ND	4.0	2.6	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
2-Butanone (MEK)	27	40	3.4	µg/L	2	J	SW-846 8260D	3/13/23	3/14/23 20:29	EEH
n-Butylbenzene	84	2.0	0.30	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
sec-Butylbenzene	37	2.0	0.25	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
tert-Butylbenzene	2.5	2.0	0.28	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Carbon Disulfide	ND	10	3.1	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Chlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Chlorodibromomethane	ND	1.0	0.40	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Chloroethane	ND	4.0	0.68	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Chloroform	ND	4.0	0.28	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Cyclohexane	5.3	10	3.5	µg/L	2	J	SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.7	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,2-Dibromoethane (EDB)	ND	1.0	0.32	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,2-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,3-Dichlorobenzene	ND	2.0	0.27	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.32	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,1-Dichloroethane	ND	2.0	0.27	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,2-Dichloroethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
cis-1,2-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,2-Dichloropropane	ND	2.0	0.39	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
cis-1,3-Dichloropropene	ND	1.0	0.33	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
trans-1,3-Dichloropropene	ND	1.0	0.28	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,4-Dioxane	ND	100	36	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Ethylbenzene	2.6	2.0	0.44	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
2-Hexanone (MBK)	ND	20	2.4	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Isopropylbenzene (Cumene)	49	2.0	0.30	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
p-Isopropyltoluene (p-Cymene)	30	2.0	0.25	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Methyl Acetate	ND	2.0	1.2	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Methyl Cyclohexane	190	2.0	0.31	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Methylene Chloride	ND	10	0.35	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Naphthalene	ND	4.0	0.76	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
n-Propylbenzene	150	2.0	0.25	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH

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Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: SB-4 Sampled: 3/8/2023 10:10

Sample ID: 23C1251-01

Sample Matrix: Ground Water

Sample Flags: RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Styrene	ND	2.0	0.30	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	0.27	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Tetrachloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,2,3-Trichlorobenzene	ND	10	0.68	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,2,4-Trichlorobenzene	ND	2.0	0.60	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,1,1-Trichloroethane	ND	2.0	0.30	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,1,2-Trichloroethane	ND	2.0	0.38	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Trichloroethylene	ND	2.0	0.35	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	0.31	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.42	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,2,4-Trimethylbenzene	0.62	2.0	0.40	µg/L	2	J	SW-846 8260D	3/13/23	3/14/23 20:29	EEH
1,3,5-Trimethylbenzene	1.6	2.0	0.30	µg/L	2	J	SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Vinyl Chloride	ND	4.0	0.47	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	3/13/23	3/14/23 20:29	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	95.9	70-130		3/14/23 20:29
Toluene-d8	99.6	70-130		3/14/23 20:29
4-Bromofluorobenzene	113	70-130		3/14/23 20:29

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: SB-8 Sampled: 3/8/2023 10:35

Sample ID: 23C1251-02

Sample Matrix: Ground Water

Sample Flags: RL-12

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	28	100	4.0	µg/L	2	J	SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Benzene	ND	2.0	0.37	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Bromochloromethane	ND	2.0	0.57	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Bromodichloromethane	ND	1.0	0.32	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Bromoform	ND	2.0	0.82	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Bromomethane	ND	4.0	2.6	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
2-Butanone (MEK)	ND	40	3.4	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
n-Butylbenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
sec-Butylbenzene	ND	2.0	0.25	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
tert-Butylbenzene	ND	2.0	0.28	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Carbon Disulfide	ND	10	3.1	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Chlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Chlorodibromomethane	ND	1.0	0.40	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Chloroethane	ND	4.0	0.68	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Chloroform	ND	4.0	0.28	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Cyclohexane	ND	10	3.5	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.7	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,2-Dibromoethane (EDB)	ND	1.0	0.32	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,2-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,3-Dichlorobenzene	ND	2.0	0.27	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.32	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,1-Dichloroethane	ND	2.0	0.27	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,2-Dichloroethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
cis-1,2-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,2-Dichloropropane	ND	2.0	0.39	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
cis-1,3-Dichloropropene	ND	1.0	0.33	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
trans-1,3-Dichloropropene	ND	1.0	0.28	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,4-Dioxane	ND	100	36	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Ethylbenzene	ND	2.0	0.44	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
2-Hexanone (MBK)	ND	20	2.4	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Isopropylbenzene (Cumene)	ND	2.0	0.30	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	0.25	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Methyl Acetate	ND	2.0	1.2	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Methyl Cyclohexane	ND	2.0	0.31	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Methylene Chloride	ND	10	0.35	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Naphthalene	ND	4.0	0.76	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
n-Propylbenzene	ND	2.0	0.25	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH

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Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: SB-8 Sampled: 3/8/2023 10:35

Sample ID: 23C1251-02

Sample Matrix: Ground Water

Sample Flags: RL-12

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Styrene	ND	2.0	0.30	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	0.27	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Tetrachloroethylene	ND	2.0	0.34	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,2,3-Trichlorobenzene	ND	10	0.68	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,2,4-Trichlorobenzene	ND	2.0	0.60	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,1,1-Trichloroethane	ND	2.0	0.30	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,1,2-Trichloroethane	ND	2.0	0.38	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Trichloroethylene	ND	2.0	0.35	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	0.31	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.42	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,2,4-Trimethylbenzene	ND	2.0	0.40	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
1,3,5-Trimethylbenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Vinyl Chloride	ND	4.0	0.47	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	3/13/23	3/14/23 16:49	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		3/14/23 16:49
Toluene-d8	102	70-130		3/14/23 16:49
4-Bromofluorobenzene	99.5	70-130		3/14/23 16:49

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: SB-6 Sampled: 3/8/2023 11:10

Sample ID: 23C1251-03

Sample Matrix: Ground Water

Sample Flags: PR-08

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	12	50	2.0	µg/L	1	J	SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Benzene	0.37	1.0	0.18	µg/L	1	J	SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
cis-1,2-Dichloroethylene	47	1.0	0.14	µg/L	1	MS-19, R-06	SW-846 8260D	3/13/23	3/14/23 17:16	EEH
trans-1,2-Dichloroethylene	0.42	1.0	0.17	µg/L	1	J	SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: SB-6 Sampled: 3/8/2023 11:10

Sample ID: 23C1251-03

Sample Matrix: Ground Water

Sample Flags: PR-08

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Vinyl Chloride	42	2.0	0.24	µg/L	1	MS-19, V-06	SW-846 8260D	3/13/23	3/14/23 17:16	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:16	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		3/14/23 17:16
Toluene-d8	103	70-130		3/14/23 17:16
4-Bromofluorobenzene	100	70-130		3/14/23 17:16

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: SB-7 Sampled: 3/8/2023 11:45

Sample ID: 23C1251-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	11	50	2.0	µg/L	1	J	SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
cis-1,2-Dichloroethylene	0.57	1.0	0.14	µg/L	1	J	SW-846 8260D	3/13/23	3/14/23 17:44	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: SB-7 Sampled: 3/8/2023 11:45

Sample ID: 23C1251-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Vinyl Chloride	2.8	2.0	0.24	µg/L	1	V-06	SW-846 8260D	3/13/23	3/14/23 17:44	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	3/13/23	3/14/23 17:44	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		3/14/23 17:44
Toluene-d8	101	70-130		3/14/23 17:44
4-Bromofluorobenzene	101	70-130		3/14/23 17:44

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: SB-2 Sampled: 3/8/2023 13:00

Sample ID: 23C1251-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	20	50	2.0	µg/L	1	J	SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
2-Butanone (MEK)	7.7	20	1.7	µg/L	1	J	SW-846 8260D	3/13/23	3/14/23 20:01	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
sec-Butylbenzene	2.8	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
tert-Butylbenzene	5.7	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
cis-1,2-Dichloroethylene	12	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Isopropylbenzene (Cumene)	0.56	1.0	0.15	µg/L	1	J	SW-846 8260D	3/13/23	3/14/23 20:01	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: SB-2 Sampled: 3/8/2023 13:00

Sample ID: 23C1251-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Tetrachloroethylene	0.47	1.0	0.17	µg/L	1	J	SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Trichloroethylene	0.77	1.0	0.17	µg/L	1	J	SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Vinyl Chloride	1.6	2.0	0.24	µg/L	1	V-06, J	SW-846 8260D	3/13/23	3/14/23 20:01	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	3/13/23	3/14/23 20:01	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.4	70-130		3/14/23 20:01
Toluene-d8	98.9	70-130		3/14/23 20:01
4-Bromofluorobenzene	127	70-130		3/14/23 20:01

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: SB-3 Sampled: 3/8/2023 13:30

Sample ID: 23C1251-06

Sample Matrix: Ground Water

Sample Flags: PR-09, RL-12

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	16	100	4.0	µg/L	2	J	SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Benzene	0.48	2.0	0.37	µg/L	2	J	SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Bromochloromethane	ND	2.0	0.57	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Bromodichloromethane	ND	1.0	0.32	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Bromoform	ND	2.0	0.82	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Bromomethane	ND	4.0	2.6	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
2-Butanone (MEK)	ND	40	3.4	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
n-Butylbenzene	1.1	2.0	0.30	µg/L	2	J	SW-846 8260D	3/13/23	3/14/23 19:34	EEH
sec-Butylbenzene	1.0	2.0	0.25	µg/L	2	J	SW-846 8260D	3/13/23	3/14/23 19:34	EEH
tert-Butylbenzene	5.3	2.0	0.28	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Carbon Disulfide	ND	10	3.1	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Carbon Tetrachloride	ND	10	0.33	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Chlorobenzene	ND	2.0	0.24	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Chlorodibromomethane	ND	1.0	0.40	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Chloroethane	ND	4.0	0.68	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Chloroform	ND	4.0	0.28	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Chloromethane	ND	4.0	1.0	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Cyclohexane	ND	10	3.5	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	1.7	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,2-Dibromoethane (EDB)	ND	1.0	0.32	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,2-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,3-Dichlorobenzene	ND	2.0	0.27	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,4-Dichlorobenzene	ND	2.0	0.26	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Dichlorodifluoromethane (Freon 12)	ND	4.0	0.32	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,1-Dichloroethane	ND	2.0	0.27	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,2-Dichloroethane	ND	2.0	0.61	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,1-Dichloroethylene	ND	2.0	0.28	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
cis-1,2-Dichloroethylene	75	2.0	0.28	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
trans-1,2-Dichloroethylene	0.70	2.0	0.34	µg/L	2	J	SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,2-Dichloropropane	ND	2.0	0.39	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
cis-1,3-Dichloropropene	ND	1.0	0.33	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
trans-1,3-Dichloropropene	ND	1.0	0.28	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,4-Dioxane	ND	100	36	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Ethylbenzene	ND	2.0	0.44	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
2-Hexanone (MBK)	ND	20	2.4	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Isopropylbenzene (Cumene)	ND	2.0	0.30	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
p-Isopropyltoluene (p-Cymene)	ND	2.0	0.25	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Methyl Acetate	ND	2.0	1.2	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.34	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Methyl Cyclohexane	2.3	2.0	0.31	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Methylene Chloride	ND	10	0.35	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
4-Methyl-2-pentanone (MIBK)	ND	20	2.6	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Naphthalene	ND	4.0	0.76	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
n-Propylbenzene	ND	2.0	0.25	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: SB-3 Sampled: 3/8/2023 13:30

Sample ID: 23C1251-06

Sample Matrix: Ground Water

Sample Flags: PR-09, RL-12

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Styrene	ND	2.0	0.30	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,1,2,2-Tetrachloroethane	ND	1.0	0.27	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Tetrachloroethylene	0.46	2.0	0.34	µg/L	2	J	SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Toluene	ND	2.0	0.45	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,2,3-Trichlorobenzene	ND	10	0.68	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,2,4-Trichlorobenzene	ND	2.0	0.60	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,1,1-Trichloroethane	ND	2.0	0.30	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,1,2-Trichloroethane	ND	2.0	0.38	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Trichloroethylene	0.70	2.0	0.35	µg/L	2	J	SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Trichlorofluoromethane (Freon 11)	ND	4.0	0.31	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	2.0	0.42	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,2,4-Trimethylbenzene	0.80	2.0	0.40	µg/L	2	J	SW-846 8260D	3/13/23	3/14/23 19:34	EEH
1,3,5-Trimethylbenzene	ND	2.0	0.30	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Vinyl Chloride	25	4.0	0.47	µg/L	2	V-06	SW-846 8260D	3/13/23	3/14/23 19:34	EEH
Xylenes (total)	ND	2.0	2.0	µg/L	2		SW-846 8260D	3/13/23	3/14/23 19:34	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		3/14/23 19:34
Toluene-d8	102	70-130		3/14/23 19:34
4-Bromofluorobenzene	121	70-130		3/14/23 19:34

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: SB-5 Sampled: 3/8/2023 13:45

Sample ID: 23C1251-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	3.6	50	2.0	µg/L	1	J	SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: SB-5 Sampled: 3/8/2023 13:45

Sample ID: 23C1251-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:11	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	102	70-130		3/14/23 18:11
Toluene-d8	101	70-130		3/14/23 18:11
4-Bromofluorobenzene	96.1	70-130		3/14/23 18:11

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: SB-1 Sampled: 3/8/2023 14:00

Sample ID: 23C1251-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	4.5	50	2.0	µg/L	1	J	SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Benzene	ND	1.0	0.18	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
cis-1,2-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
trans-1,2-Dichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: SB-1 Sampled: 3/8/2023 14:00

Sample ID: 23C1251-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Vinyl Chloride	ND	2.0	0.24	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	3/13/23	3/14/23 18:39	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.5	70-130		3/14/23 18:39
Toluene-d8	102	70-130		3/14/23 18:39
4-Bromofluorobenzene	98.0	70-130		3/14/23 18:39

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: Field Duplicate-1 Sampled: 3/8/2023 00:00

Sample ID: 23C1251-09

Sample Matrix: Ground Water

Sample Flags: PR-09, Z-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	11	50	2.0	µg/L	1	J	SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Benzene	0.54	1.0	0.18	µg/L	1	J	SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Bromochloromethane	ND	1.0	0.28	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Bromodichloromethane	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Bromoform	ND	1.0	0.41	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Bromomethane	ND	2.0	1.3	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
2-Butanone (MEK)	ND	20	1.7	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
n-Butylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
sec-Butylbenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
tert-Butylbenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Carbon Disulfide	ND	5.0	1.6	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Carbon Tetrachloride	ND	5.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Chlorobenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Chlorodibromomethane	ND	0.50	0.20	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Chloroethane	ND	2.0	0.34	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Chloroform	ND	2.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Chloromethane	ND	2.0	0.50	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Cyclohexane	ND	5.0	1.8	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	0.85	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,2-Dibromoethane (EDB)	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,2-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,3-Dichlorobenzene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,4-Dichlorobenzene	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,1-Dichloroethane	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,2-Dichloroethane	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,1-Dichloroethylene	ND	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
cis-1,2-Dichloroethylene	75	1.0	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
trans-1,2-Dichloroethylene	0.70	1.0	0.17	µg/L	1	J	SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,2-Dichloropropane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
cis-1,3-Dichloropropene	ND	0.50	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
trans-1,3-Dichloropropene	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,4-Dioxane	ND	50	18	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Ethylbenzene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
2-Hexanone (MBK)	ND	10	1.2	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Isopropylbenzene (Cumene)	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	0.13	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Methyl Acetate	ND	1.0	0.61	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Methyl Cyclohexane	ND	1.0	0.16	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Methylene Chloride	ND	5.0	0.18	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	1.3	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Naphthalene	ND	2.0	0.38	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
n-Propylbenzene	ND	1.0	0.12	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 10 East Chester St., Kingston, NY Sample Description: Work Order: 23C1251

Date Received: 3/9/2023

Field Sample #: Field Duplicate-1 Sampled: 3/8/2023 00:00

Sample ID: 23C1251-09

Sample Matrix: Ground Water

Sample Flags: PR-09, Z-01

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Styrene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	0.14	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Tetrachloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Toluene	ND	1.0	0.22	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,2,3-Trichlorobenzene	ND	5.0	0.34	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,2,4-Trichlorobenzene	ND	1.0	0.30	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,1,1-Trichloroethane	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,1,2-Trichloroethane	ND	1.0	0.19	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Trichloroethylene	ND	1.0	0.17	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	0.21	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,2,4-Trimethylbenzene	ND	1.0	0.20	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
1,3,5-Trimethylbenzene	ND	1.0	0.15	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Vinyl Chloride	50	2.0	0.24	µg/L	1	V-06	SW-846 8260D	3/13/23	3/14/23 19:07	EEH
Xylenes (total)	ND	1.0	1.0	µg/L	1		SW-846 8260D	3/13/23	3/14/23 19:07	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	101	70-130		3/14/23 19:07
Toluene-d8	102	70-130		3/14/23 19:07
4-Bromofluorobenzene	99.8	70-130		3/14/23 19:07

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C1251-01 [SB-4]	B334020	2.5	5.00	03/13/23
23C1251-02 [SB-8]	B334020	2.5	5.00	03/13/23
23C1251-03 [SB-6]	B334020	5	5.00	03/13/23
23C1251-04 [SB-7]	B334020	5	5.00	03/13/23
23C1251-05 [SB-2]	B334020	5	5.00	03/13/23
23C1251-06 [SB-3]	B334020	2.5	5.00	03/13/23
23C1251-07 [SB-5]	B334020	5	5.00	03/13/23
23C1251-08 [SB-1]	B334020	5	5.00	03/13/23
23C1251-09 [Field Duplicate-1]	B334020	5	5.00	03/13/23

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B334020 - SW-846 5030B										
Blank (B334020-BLK1)				Prepared: 03/13/23 Analyzed: 03/14/23						
Acetone	ND	50	µg/L							
Benzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
Cyclohexane	ND	5.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B334020 - SW-846 5030B										
Blank (B334020-BLK1)				Prepared: 03/13/23 Analyzed: 03/14/23						
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Xylenes (total)	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*25.1*		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.0	70-130			
LCS (B334020-BS1)				Prepared: 03/13/23 Analyzed: 03/14/23						
Acetone	110	50	µg/L	100		110	70-160			†
Benzene	10.2	1.0	µg/L	10.0		102	70-130			
Bromochloromethane	12.0	1.0	µg/L	10.0		120	70-130			
Bromodichloromethane	10.7	0.50	µg/L	10.0		107	70-130			
Bromoform	10.4	1.0	µg/L	10.0		104	70-130			
Bromomethane	12.0	2.0	µg/L	10.0		120	40-160			†
2-Butanone (MEK)	113	20	µg/L	100		113	40-160			†
n-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
sec-Butylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
tert-Butylbenzene	9.95	1.0	µg/L	10.0		99.5	70-130			
Carbon Disulfide	119	5.0	µg/L	100		119	70-130			
Carbon Tetrachloride	10.6	5.0	µg/L	10.0		106	70-130			
Chlorobenzene	10.5	1.0	µg/L	10.0		105	70-130			
Chlorodibromomethane	10.4	0.50	µg/L	10.0		104	70-130			
Chloroethane	12.4	2.0	µg/L	10.0		124	70-130			
Chloroform	10.2	2.0	µg/L	10.0		102	70-130			
Chloromethane	10.5	2.0	µg/L	10.0		105	40-160			†
Cyclohexane	10.4	5.0	µg/L	10.0		104	70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.83	5.0	µg/L	10.0		88.3	70-130			
1,2-Dibromoethane (EDB)	10.7	0.50	µg/L	10.0		107	70-130			
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130			
1,3-Dichlorobenzene	10.2	1.0	µg/L	10.0		102	70-130			
1,4-Dichlorobenzene	10.0	1.0	µg/L	10.0		100	70-130			
Dichlorodifluoromethane (Freon 12)	10.4	2.0	µg/L	10.0		104	40-160			†
1,1-Dichloroethane	10.8	1.0	µg/L	10.0		108	70-130			
1,2-Dichloroethane	9.90	1.0	µg/L	10.0		99.0	70-130			
1,1-Dichloroethylene	11.4	1.0	µg/L	10.0		114	70-130			
cis-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130			
trans-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130			
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130			
cis-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130			
trans-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130			
1,4-Dioxane	87.0	50	µg/L	100		87.0	40-130			†
Ethylbenzene	10.2	1.0	µg/L	10.0		102	70-130			
2-Hexanone (MBK)	111	10	µg/L	100		111	70-160			†
Isopropylbenzene (Cumene)	10.1	1.0	µg/L	10.0		101	70-130			
p-Isopropyltoluene (p-Cymene)	10.0	1.0	µg/L	10.0		100	70-130			
Methyl Acetate	12.0	1.0	µg/L	10.0		120	70-130			

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B334020 - SW-846 5030B												
LCS (B334020-BS1)				Prepared: 03/13/23 Analyzed: 03/14/23								
Methyl tert-Butyl Ether (MTBE)	10.1	1.0	µg/L	10.0		101		70-130				
Methyl Cyclohexane	9.61	1.0	µg/L	10.0		96.1		70-130				
Methylene Chloride	12.1	5.0	µg/L	10.0		121		70-130				
4-Methyl-2-pentanone (MIBK)	113	10	µg/L	100		113		70-160				†
Naphthalene	8.12	2.0	µg/L	10.0		81.2		40-130				†
n-Propylbenzene	10.1	1.0	µg/L	10.0		101		70-130				
Styrene	10.3	1.0	µg/L	10.0		103		70-130				
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.0		104		70-130				
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104		70-130				
Toluene	10.2	1.0	µg/L	10.0		102		70-130				
1,2,3-Trichlorobenzene	8.52	5.0	µg/L	10.0		85.2		70-130				
1,2,4-Trichlorobenzene	9.44	1.0	µg/L	10.0		94.4		70-130				
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105		70-130				
1,1,2-Trichloroethane	10.6	1.0	µg/L	10.0		106		70-130				
Trichloroethylene	10.5	1.0	µg/L	10.0		105		70-130				
Trichlorofluoromethane (Freon 11)	11.5	2.0	µg/L	10.0		115		70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.4	1.0	µg/L	10.0		114		70-130				
1,2,4-Trimethylbenzene	9.89	1.0	µg/L	10.0		98.9		70-130				
1,3,5-Trimethylbenzene	10.1	1.0	µg/L	10.0		101		70-130				
Vinyl Chloride	17.0	2.0	µg/L	10.0		**170**	*	40-160			L-07, V-06	†
m+p Xylene	20.3	2.0	µg/L	20.0		101		70-130				
o-Xylene	10.4	1.0	µg/L	10.0		104		70-130				
Xylenes (total)	30.6	1.0	µg/L	30.0		102		0-200				
Surrogate: 1,2-Dichloroethane-d4	*25.4*		µg/L	25.0		102		70-130				
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101		70-130				
Surrogate: 4-Bromofluorobenzene	*25.6*		µg/L	25.0		102		70-130				
LCS Dup (B334020-BSD1)				Prepared: 03/13/23 Analyzed: 03/14/23								
Acetone	118	50	µg/L	100		118		70-160	7.12	25		†
Benzene	10.2	1.0	µg/L	10.0		102		70-130	0.00	25		
Bromochloromethane	11.7	1.0	µg/L	10.0		117		70-130	2.54	25		
Bromodichloromethane	10.7	0.50	µg/L	10.0		107		70-130	0.654	25		
Bromoform	10.5	1.0	µg/L	10.0		105		70-130	1.05	25		
Bromomethane	12.7	2.0	µg/L	10.0		127		40-160	6.00	25		†
2-Butanone (MEK)	114	20	µg/L	100		114		40-160	1.61	25		†
n-Butylbenzene	10.1	1.0	µg/L	10.0		101		70-130	0.691	25		
sec-Butylbenzene	10.1	1.0	µg/L	10.0		101		70-130	0.789	25		
tert-Butylbenzene	9.79	1.0	µg/L	10.0		97.9		70-130	1.62	25		
Carbon Disulfide	116	5.0	µg/L	100		116		70-130	2.21	25		
Carbon Tetrachloride	10.5	5.0	µg/L	10.0		105		70-130	0.756	25		
Chlorobenzene	10.5	1.0	µg/L	10.0		105		70-130	0.00	25		
Chlorodibromomethane	10.6	0.50	µg/L	10.0		106		70-130	1.33	25		
Chloroethane	12.7	2.0	µg/L	10.0		127		70-130	1.75	25		
Chloroform	10.0	2.0	µg/L	10.0		100		70-130	1.09	25		
Chloromethane	10.6	2.0	µg/L	10.0		106		40-160	0.851	25		†
Cyclohexane	10.2	5.0	µg/L	10.0		102		70-130	1.55	25		
1,2-Dibromo-3-chloropropane (DBCP)	10.1	5.0	µg/L	10.0		101		70-130	13.0	25		
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109		70-130	1.86	25		
1,2-Dichlorobenzene	10.1	1.0	µg/L	10.0		101		70-130	1.47	25		
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0		101		70-130	0.492	25		
1,4-Dichlorobenzene	9.94	1.0	µg/L	10.0		99.4		70-130	1.10	25		
Dichlorodifluoromethane (Freon 12)	10.2	2.0	µg/L	10.0		102		40-160	2.14	25		†

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B334020 - SW-846 5030B											
LCS Dup (B334020-BSD1)				Prepared: 03/13/23 Analyzed: 03/14/23							
1,1-Dichloroethane	10.4	1.0	µg/L	10.0		104	70-130	3.48	25		
1,2-Dichloroethane	9.91	1.0	µg/L	10.0		99.1	70-130	0.101	25		
1,1-Dichloroethylene	11.7	1.0	µg/L	10.0		117	70-130	2.25	25		
cis-1,2-Dichloroethylene	10.6	1.0	µg/L	10.0		106	70-130	0.563	25		
trans-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	4.02	25		
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130	0.0962	25		
cis-1,3-Dichloropropene	10.6	0.50	µg/L	10.0		106	70-130	2.50	25		
trans-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130	1.57	25		
1,4-Dioxane	103	50	µg/L	100		103	40-130	16.4	50		† ‡
Ethylbenzene	10.4	1.0	µg/L	10.0		104	70-130	1.65	25		
2-Hexanone (MBK)	121	10	µg/L	100		121	70-160	8.66	25		†
Isopropylbenzene (Cumene)	10.3	1.0	µg/L	10.0		103	70-130	1.57	25		
p-Isopropyltoluene (p-Cymene)	9.72	1.0	µg/L	10.0		97.2	70-130	2.84	25		
Methyl Acetate	12.7	1.0	µg/L	10.0		127	70-130	5.18	25		
Methyl tert-Butyl Ether (MTBE)	10.1	1.0	µg/L	10.0		101	70-130	0.296	25		
Methyl Cyclohexane	9.75	1.0	µg/L	10.0		97.5	70-130	1.45	25		
Methylene Chloride	11.8	5.0	µg/L	10.0		118	70-130	2.34	25		
4-Methyl-2-pentanone (MIBK)	122	10	µg/L	100		122	70-160	7.12	25		†
Naphthalene	9.36	2.0	µg/L	10.0		93.6	40-130	14.2	25		†
n-Propylbenzene	10.5	1.0	µg/L	10.0		105	70-130	3.30	25		
Styrene	10.6	1.0	µg/L	10.0		106	70-130	2.58	25		
1,1,2,2-Tetrachloroethane	11.1	0.50	µg/L	10.0		111	70-130	6.33	25		
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104	70-130	0.481	25		
Toluene	10.3	1.0	µg/L	10.0		103	70-130	1.56	25		
1,2,3-Trichlorobenzene	10.3	5.0	µg/L	10.0		103	70-130	18.6	25		
1,2,4-Trichlorobenzene	9.79	1.0	µg/L	10.0		97.9	70-130	3.64	25		
1,1,1-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	0.00	25		
1,1,2-Trichloroethane	10.5	1.0	µg/L	10.0		105	70-130	0.856	25		
Trichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	1.82	25		
Trichlorofluoromethane (Freon 11)	11.5	2.0	µg/L	10.0		115	70-130	0.0872	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.1	1.0	µg/L	10.0		111	70-130	2.75	25		
1,2,4-Trimethylbenzene	9.74	1.0	µg/L	10.0		97.4	70-130	1.53	25		
1,3,5-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	1.77	25		
Vinyl Chloride	15.9	2.0	µg/L	10.0		159	40-160	6.26	25	V-06	†
m+p Xylene	20.8	2.0	µg/L	20.0		104	70-130	2.39	25		
o-Xylene	10.6	1.0	µg/L	10.0		106	70-130	2.48	25		
Xylenes (total)	31.4	1.0	µg/L	30.0		105	0-200	2.42			
Surrogate: 1,2-Dichloroethane-d4	*25.2*		µg/L	25.0		101	70-130				
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101	70-130				
Surrogate: 4-Bromofluorobenzene	*25.8*		µg/L	25.0		103	70-130				
Matrix Spike (B334020-MS1)		**Source: 23C1251-03**		Prepared: 03/13/23 Analyzed: 03/14/23							
Acetone	126	50	µg/L	100	12.4	114	70-130				
Benzene	11.3	1.0	µg/L	10.0	0.370	109	70-130				
Bromochloromethane	12.9	1.0	µg/L	10.0	ND	129	70-130				
Bromodichloromethane	11.3	0.50	µg/L	10.0	ND	113	70-130				
Bromoform	11.1	1.0	µg/L	10.0	ND	111	70-130				
Bromomethane	12.7	2.0	µg/L	10.0	ND	127	70-130				
2-Butanone (MEK)	121	20	µg/L	100	ND	121	70-130				
n-Butylbenzene	11.3	1.0	µg/L	10.0	ND	113	70-130				
sec-Butylbenzene	11.4	1.0	µg/L	10.0	ND	114	70-130				
tert-Butylbenzene	11.4	1.0	µg/L	10.0	ND	114	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B334020 - SW-846 5030B											
Matrix Spike (B334020-MS1)	**Source: 23C1251-03**			Prepared: 03/13/23 Analyzed: 03/14/23							
Carbon Disulfide	125	5.0	µg/L	100	ND	125		70-130			
Carbon Tetrachloride	11.9	5.0	µg/L	10.0	ND	119		70-130			
Chlorobenzene	11.3	1.0	µg/L	10.0	ND	113		70-130			
Chlorodibromomethane	11.1	0.50	µg/L	10.0	ND	111		70-130			
Chloroethane	12.9	2.0	µg/L	10.0	ND	129		70-130			
Chloroform	10.9	2.0	µg/L	10.0	ND	109		70-130			
Chloromethane	7.93	2.0	µg/L	10.0	ND	79.3		70-130			
Cyclohexane	11.6	5.0	µg/L	10.0	ND	116		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	9.46	5.0	µg/L	10.0	ND	94.6		70-130			
1,2-Dibromoethane (EDB)	11.4	0.50	µg/L	10.0	ND	114		70-130			
1,2-Dichlorobenzene	10.8	1.0	µg/L	10.0	ND	108		70-130			
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0	ND	106		70-130			
1,4-Dichlorobenzene	10.4	1.0	µg/L	10.0	ND	104		70-130			
Dichlorodifluoromethane (Freon 12)	11.3	2.0	µg/L	10.0	ND	113		70-130			
1,1-Dichloroethane	11.7	1.0	µg/L	10.0	ND	117		70-130			
1,2-Dichloroethane	10.6	1.0	µg/L	10.0	ND	106		70-130			
1,1-Dichloroethylene	13.0	1.0	µg/L	10.0	ND	130		70-130			
cis-1,2-Dichloroethylene	47.7	1.0	µg/L	10.0	47.5	**2.00**	*	70-130			MS-19, R-06
trans-1,2-Dichloroethylene	11.6	1.0	µg/L	10.0	0.420	112		70-130			
1,2-Dichloropropane	10.9	1.0	µg/L	10.0	ND	109		70-130			
cis-1,3-Dichloropropene	10.8	0.50	µg/L	10.0	ND	108		70-130			
trans-1,3-Dichloropropene	10.4	0.50	µg/L	10.0	ND	104		70-130			
1,4-Dioxane	113	50	µg/L	100	ND	113		70-130			
Ethylbenzene	11.5	1.0	µg/L	10.0	ND	115		70-130			
2-Hexanone (MBK)	128	10	µg/L	100	ND	128		70-130			
Isopropylbenzene (Cumene)	11.7	1.0	µg/L	10.0	ND	117		70-130			
p-Isopropyltoluene (p-Cymene)	11.1	1.0	µg/L	10.0	ND	111		70-130			
Methyl Acetate	12.2	1.0	µg/L	10.0	ND	122		70-130			
Methyl tert-Butyl Ether (MTBE)	11.0	1.0	µg/L	10.0	ND	110		70-130			
Methyl Cyclohexane	11.3	1.0	µg/L	10.0	ND	113		70-130			
Methylene Chloride	12.6	5.0	µg/L	10.0	ND	126		70-130			
4-Methyl-2-pentanone (MIBK)	128	10	µg/L	100	ND	128		70-130			
Naphthalene	8.11	2.0	µg/L	10.0	ND	81.1		70-130			
n-Propylbenzene	11.7	1.0	µg/L	10.0	ND	117		70-130			
Styrene	11.4	1.0	µg/L	10.0	ND	114		70-130			
1,1,2,2-Tetrachloroethane	11.5	0.50	µg/L	10.0	ND	115		70-130			
Tetrachloroethylene	11.4	1.0	µg/L	10.0	ND	114		70-130			
Toluene	11.2	1.0	µg/L	10.0	ND	112		70-130			
1,2,3-Trichlorobenzene	8.54	5.0	µg/L	10.0	ND	85.4		70-130			
1,2,4-Trichlorobenzene	9.53	1.0	µg/L	10.0	ND	95.3		70-130			
1,1,1-Trichloroethane	11.7	1.0	µg/L	10.0	ND	117		70-130			
1,1,2-Trichloroethane	11.4	1.0	µg/L	10.0	ND	114		70-130			
Trichloroethylene	11.6	1.0	µg/L	10.0	ND	116		70-130			
Trichlorofluoromethane (Freon 11)	13.4	2.0	µg/L	10.0	ND	**134**	*	70-130			MS-24
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.8	1.0	µg/L	10.0	ND	128		70-130			
1,2,4-Trimethylbenzene	10.7	1.0	µg/L	10.0	ND	107		70-130			
1,3,5-Trimethylbenzene	11.3	1.0	µg/L	10.0	ND	113		70-130			
Vinyl Chloride	60.5	2.0	µg/L	10.0	41.9	**186**	*	70-130			MS-19, V-06
m+p Xylene	22.8	2.0	µg/L	20.0	ND	114		70-130			
o-Xylene	11.4	1.0	µg/L	10.0	ND	114		70-130			
Xylenes (total)	34.2	1.0	µg/L	30.0	ND	114		0-200			

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B334020 - SW-846 5030B												
Matrix Spike (B334020-MS1)	**Source: 23C1251-03**			Prepared: 03/13/23 Analyzed: 03/14/23								
Surrogate: 1,2-Dichloroethane-d4	*23.6*		µg/L	25.0		94.2		70-130				
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101		70-130				
Surrogate: 4-Bromofluorobenzene	*26.4*		µg/L	25.0		105		70-130				
Matrix Spike Dup (B334020-MSD1)	**Source: 23C1251-03**			Prepared: 03/13/23 Analyzed: 03/14/23								
Acetone	131	50	µg/L	100	12.4	119		70-130	4.12		30	
Benzene	11.1	1.0	µg/L	10.0	0.370	108		70-130	1.69		30	
Bromochloromethane	12.1	1.0	µg/L	10.0	ND	121		70-130	6.33		30	
Bromodichloromethane	10.8	0.50	µg/L	10.0	ND	108		70-130	4.17		30	
Bromoform	11.2	1.0	µg/L	10.0	ND	112		70-130	0.984		30	
Bromomethane	10.6	2.0	µg/L	10.0	ND	106		70-130	18.3		30	
2-Butanone (MEK)	126	20	µg/L	100	ND	126		70-130	3.97		30	
n-Butylbenzene	9.99	1.0	µg/L	10.0	ND	99.9		70-130	12.3		30	
sec-Butylbenzene	10.6	1.0	µg/L	10.0	ND	106		70-130	7.47		30	
tert-Butylbenzene	10.7	1.0	µg/L	10.0	ND	107		70-130	5.62		30	
Carbon Disulfide	116	5.0	µg/L	100	ND	116		70-130	7.31		30	
Carbon Tetrachloride	11.4	5.0	µg/L	10.0	ND	114		70-130	3.77		30	
Chlorobenzene	10.7	1.0	µg/L	10.0	ND	107		70-130	5.44		30	
Chlorodibromomethane	10.8	0.50	µg/L	10.0	ND	108		70-130	2.73		30	
Chloroethane	13.0	2.0	µg/L	10.0	ND	130		70-130	0.850		30	
Chloroform	10.6	2.0	µg/L	10.0	ND	106		70-130	2.98		30	
Chloromethane	9.67	2.0	µg/L	10.0	ND	96.7		70-130	19.8		30	
Cyclohexane	10.5	5.0	µg/L	10.0	ND	105		70-130	9.93		30	
1,2-Dibromo-3-chloropropane (DBCP)	9.95	5.0	µg/L	10.0	ND	99.5		70-130	5.05		30	
1,2-Dibromoethane (EDB)	10.7	0.50	µg/L	10.0	ND	107		70-130	5.79		30	
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0	ND	102		70-130	5.81		30	
1,3-Dichlorobenzene	10.1	1.0	µg/L	10.0	ND	101		70-130	4.91		30	
1,4-Dichlorobenzene	9.39	1.0	µg/L	10.0	ND	93.9		70-130	10.2		30	
Dichlorodifluoromethane (Freon 12)	9.60	2.0	µg/L	10.0	ND	96.0		70-130	16.4		30	
1,1-Dichloroethane	11.4	1.0	µg/L	10.0	ND	114		70-130	2.43		30	
1,2-Dichloroethane	10.2	1.0	µg/L	10.0	ND	102		70-130	3.56		30	
1,1-Dichloroethylene	12.3	1.0	µg/L	10.0	ND	123		70-130	5.38		30	
cis-1,2-Dichloroethylene	91.6	1.0	µg/L	10.0	47.5	**441**	*	70-130	**63.1**	*	30	MS-19, R-06
trans-1,2-Dichloroethylene	11.3	1.0	µg/L	10.0	0.420	109		70-130	2.45		30	
1,2-Dichloropropane	11.1	1.0	µg/L	10.0	ND	111		70-130	1.73		30	
cis-1,3-Dichloropropene	10.4	0.50	µg/L	10.0	ND	104		70-130	4.72		30	
trans-1,3-Dichloropropene	9.94	0.50	µg/L	10.0	ND	99.4		70-130	4.43		30	
1,4-Dioxane	103	50	µg/L	100	ND	103		70-130	9.33		30	
Ethylbenzene	10.7	1.0	µg/L	10.0	ND	107		70-130	6.83		30	
2-Hexanone (MBK)	123	10	µg/L	100	ND	123		70-130	4.36		30	
Isopropylbenzene (Cumene)	10.9	1.0	µg/L	10.0	ND	109		70-130	7.34		30	
p-Isopropyltoluene (p-Cymene)	10.4	1.0	µg/L	10.0	ND	104		70-130	6.80		30	
Methyl Acetate	12.8	1.0	µg/L	10.0	ND	128		70-130	4.49		30	
Methyl tert-Butyl Ether (MTBE)	10.8	1.0	µg/L	10.0	ND	108		70-130	1.38		30	
Methyl Cyclohexane	9.61	1.0	µg/L	10.0	ND	96.1		70-130	16.3		30	
Methylene Chloride	12.4	5.0	µg/L	10.0	ND	124		70-130	2.08		30	
4-Methyl-2-pentanone (MIBK)	125	10	µg/L	100	ND	125		70-130	1.95		30	
Naphthalene	9.02	2.0	µg/L	10.0	ND	90.2		70-130	10.6		30	
n-Propylbenzene	10.4	1.0	µg/L	10.0	ND	104		70-130	11.9		30	
Styrene	10.6	1.0	µg/L	10.0	ND	106		70-130	6.83		30	
1,1,2,2-Tetrachloroethane	11.4	0.50	µg/L	10.0	ND	114		70-130	0.697		30	
Tetrachloroethylene	10.7	1.0	µg/L	10.0	ND	107		70-130	6.45		30	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B334020 - SW-846 5030B											
Matrix Spike Dup (B334020-MSD1)	**Source: 23C1251-03**			Prepared: 03/13/23 Analyzed: 03/14/23							
Toluene	10.6	1.0	µg/L	10.0	ND	106		70-130	5.15	30	
1,2,3-Trichlorobenzene	9.32	5.0	µg/L	10.0	ND	93.2		70-130	8.73	30	
1,2,4-Trichlorobenzene	8.88	1.0	µg/L	10.0	ND	88.8		70-130	7.06	30	
1,1,1-Trichloroethane	11.5	1.0	µg/L	10.0	ND	115		70-130	1.72	30	
1,1,2-Trichloroethane	11.3	1.0	µg/L	10.0	ND	113		70-130	0.884	30	
Trichloroethylene	10.5	1.0	µg/L	10.0	ND	105		70-130	10.2	30	
Trichlorofluoromethane (Freon 11)	11.9	2.0	µg/L	10.0	ND	119		70-130	12.2	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2	1.0	µg/L	10.0	ND	112		70-130	13.4	30	
1,2,4-Trimethylbenzene	10.3	1.0	µg/L	10.0	ND	103		70-130	3.91	30	
1,3,5-Trimethylbenzene	10.8	1.0	µg/L	10.0	ND	108		70-130	4.88	30	
Vinyl Chloride	63.4	2.0	µg/L	10.0	41.9	**215**	*	70-130	4.76	30	MS-19, V-06
m+p Xylene	21.4	2.0	µg/L	20.0	ND	107		70-130	6.20	20	
o-Xylene	11.0	1.0	µg/L	10.0	ND	110		70-130	3.75	30	
Xylenes (total)	32.4	1.0	µg/L	30.0	ND	108		0-200	5.38		
Surrogate: 1,2-Dichloroethane-d4	*24.3*		µg/L	25.0		97.3		70-130			
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		101		70-130			
Surrogate: 4-Bromofluorobenzene	*26.0*		µg/L	25.0		104		70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
PR-08	pH of sample (pH 5) is outside of method specified preservation criteria.
PR-09	pH of sample (pH 6) is outside of method specified preservation criteria.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.
RL-11	Elevated reporting limit due to high concentration of target compounds.
RL-12	Elevated reporting limit due to matrix interference.
V-06	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side for this compound.
Z-01	Sample poured off into another vial with headspace due to sediment present in sample vial.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
Cyclohexane	ME,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
Xylenes (total)	ME,NY

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2023

Pace Analytical®

Phone: 612-607-6400
Fax: 612-607-6344

23C1251 KM

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Page ____ of ____

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	Labella/NYSDEC
Address:	5 McCrea Hill Road, Ballston Spa, NY 12020
Phone:	518-885-5383
Project Name:	NYSDEC 10 East Chester St - Offsite
Project Location:	Kingston, NY
Project Number:	
Project Manager:	Parag Amin/ Tom Giamichael
Pace Analytical Quote Name/Number:	NYSDEC ID # C356032A
Invoice Recipient:	NYSDEC
Sampled By:	Gavin Vlasnick

Requested Turnaround Time
7-Day ☐ **10-Day** ☑
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ **EXCEL** ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: tgiamichael@labellapc.com
Fax To #:

ANALYSIS REQUESTED

VOCs 8260 TCL

Pace Analytical Work Order#	Client Sample ID / Description	Date	Time	Composite	Grab	[1]Matrix Code	Conc Code	# of Containers	[2] Preservation Code	[3] Container Code
1	SB-4	3/8/2023	1010		x	GW	U	3	H	G
2	SB-8	3/8/2023	1035		x	GW	U	3	H	G
3	SB-6	3/8/2023	1110		x	GW	U	3	H	G
4	SB-7	3/8/2023	1145		x	GW	U	3	H	G
5	SB-2	3/8/2023	1300		x	GW	U	3	H	G
6	SB-3	3/8/2023	1330		x	GW	U	3	H	G
7	SB-5	3/8/2023	1345		x	GW	U	3	H	G
8	SB-1	3/8/2023	1400		x	GW	U	3	H	G
9	SB-6 MSD	3/8/2023	1110		x	GW	U	3	H	G
Mem 10	SB-6 MS	3/8/2023	1110		x	GW	U	3	H	G
11	Field Duplicate-1	3/8/2023			x	GW	U	3	H	G

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: cat b deliverable package send report to tgiamichael@labellapc.com

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) Gavin Vlasnick	Date/Time: 3/8/23 900
Received by: (signature) PACE	Date/Time: 3-9-23 926
Relinquished by: (signature) PACE	Date/Time: 3-9-23 1430
Received by: (signature) PACE	Date/Time: 3-9-23 1430
Relinquished by: (signature) PACE	Date/Time: 3-9-23 1515
Received by: (signature)	Date/Time: 3-9-23 1515
	3-9-23 1630

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☑ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☑ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F:413-525-6405
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Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

Pace PEOPLE ADVANCING SCIENCE

Client LaBella (DEC)

Project 10 E Chester Street

MCP/RCP Required no

Deliverable Package Req. NY-CP51

Location 10 E Chester St, Kingston, NY

PWSID# (When Applicable) n/a

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time Mcm 3/9/23 1630

Back-Sheet By / Date / Time Mcm 3/9/23 1741

Temperature Method Gun # 3

Temp ☑ < 6° C Actual Temperature 5.0

Rush Samples: Yes / No Notify No

Short Hold: Yes / No Notify No

Notes regarding Samples/COC outside of SOP:

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	NaS2O3	Other Preservative
1L Amber Plastic								
500 mL Amber Plastic								
250 mL Amber Plastic								
Other Amber Clear Plastic								
16oz Amber Clear								
8oz Amber Clear								
4oz Amber Clear								
2oz Amber Clear								
Col/Bacteria								
Flashpoint								
Plastic Bag								
SOC KIt								
Perchlorate								
Encore								
Frozen								

	Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials	No		33						

ATTACHMENT - H

Data Usability Summary Reports

Data Usability Summary Report

10 East Chester Street
BCP Site #C356032A
Kingston, New York

Groundwater Samples
Collected October 2020

Reviewed:
July 2021

ZDataReports
Data Management and Validation Services
118 Rose Lane Terrace, Syracuse, NY 13219, (716) 907-2341

Data Usability Summary Report

Groundwater Samples
Collected October 2020

10 East Chester Street
BCP Site #C356032A
Kingston, New York

Prepared By:

ZDataReports

Data Management and Validation Service
118 Rose Lane Terrace
Syracuse, New York 13219
(716) 907-2341

EXECUTIVE SUMMARY

This report addresses data quality for eleven groundwater samples collected at the 10 Chester Street Site #C356032A located in Kingston, New York. The samples were analyzed for volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed by LaBella Associates located in Ballston Spa, New York. Analytical services were provided by Eurofins Environmental Testing America located in Amherst, New York.

The volatile organic analyses data were determined to be usable for qualitative and quantitative purposes as reported by the laboratory.

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Appendix A - Data Validation Checklists

SECTION 1 - INTRODUCTION

1.1 Introduction

This report addresses data quality for eleven groundwater samples collected at 10 Chester Street Site #C356032A located in Kingston, New York. The samples were analyzed for volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed by LaBella Associates located in Ballston Spa, New York. Analytical services were provided by Eurofins Environmental Testing America located in Amherst, New York. The quantity and types of samples submitted for data validation are tabulated below.

Table 1: Introduction - Sample Summary Table

SDG#	Date Collected	Sample Matrix	Sample Identification	
			Client ID	Laboratory ID
480-176997-1	10/20/2020	Ground Water	MW-3	480-176997-1
			MW-2	480-176997-2
			MW-1	480-176997-3
			MW-4	480-176997-4
			MW-5	480-176997-5
			MW-6	480-176997-6
480-176997-2	10/19/2020	Ground Water	MW-9	480-176997-7
			MW-10	480-176997-8
			FD-1	480-176997-9
			MW-8	480-176997-10
			MW-7	480-176997-11

1.2 Analytical Methods

The samples were analyzed for volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies (2005 update). Laboratory analyses were provided by TestAmerica Laboratories, Inc. located in Amherst, New York.

1.3 Validation Protocols

Data validation is a process that involves the evaluation of analytical data against prescribed quality control criteria to determine the usefulness of the data. The analytical data addressed in this report were evaluated utilizing the quality control criteria presented in the following documents:

- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, EPA-540-R-08-01, June 2008.
- *CLP Organics Data Review and Preliminary Review*, SOP No. HW-6 Revision #14, USEPA Region II, September 2006.

- *Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-846 Method 8260B*, SOP No. HW-24 Revision #2, USEPA Hazardous Waste Support Branch, October 2006.

- *Exhibit E of New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP)*, NYSDEC June 2005.

1.3.1 Organic Parameters

The validation of organic parameters for this project followed the requirements presented in the analytical methodology and the data validation guidelines presented above. The following QA/QC parameters were evaluated:

Volatile Organics Analysis

1. Holding Times
2. GC/MS Instrument Tuning Criteria
3. Calibration
   a. Initial Calibration
   b. Continuing Calibration
4. Blank Analysis
5. Surrogate Recovery
6. Matrix Spike / Matrix Spike Duplicate Analysis
7. Reference Standard Analysis
8. Internal Standards Recovery
9. Compound Identification and Quantification
10. Field Duplicate Analysis
11. System Performance
12. Documentation Completeness
13. Overall Data Assessment

1.4 Data Qualifiers

The following qualifiers as specified in the guidance documents presented in Section 1.3 of this report have been used for this data validation.

U Indicates that the compound was analyzed for, but was not detected. The sample quantification limit is presented and adjusted for dilution. This qualifier is also used to signify that the detection limit of an analyte was raised due to blank contamination.

J Indicates that the result should be considered approximate. This qualifier is used when the data validation procedure identifies a deficiency in the data generation process.

UJ Indicates that the detection limit for the analyte in this sample should be considered approximate. This qualifier is used when the data validation process identifies a deficiency in the data generation process.

R Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data are considered to be unusable for both qualitative and quantitative purposes.

The following sections of this document present a summary of the data validation process. Section 2 discusses data compliance with established QA/QC criteria and qualifications performed on the sample data. A discussion of the Precision, Accuracy, Representativeness, Comparability, and Completeness (PARCC) of the data and data usability are discussed in Section 3. The USEPA Region II Data Validation Checklist is presented in Appendix A.

SECTION 2 - DATA VALIDATION SUMMARY

This section presents a discussion of QA/QC parameter compliance with established criteria and the qualification of data performed when QA/QC parameter deviations were identified. When several deviations from established QA/QC criteria were observed, the final qualifier assigned to the data was based on the cumulative effect of the deviations.

2.1 Volatile Organics Analysis

Data validation was performed for eleven groundwater samples including one field duplicate sample. The QA/QC parameters presented in Section 1.3.1 of this report were found to be within specified limits without exception. The overall data assessment is summarized below.

Overall Data Assessment

Overall, the laboratory performed volatile organic analyses in accordance with the requirements specified in the methods listed in Section 1.2. These data were determined to be usable for qualitative and quantitative purposes as reported by the laboratory.

SECTION 3 - DATA USABILITY and PARCC EVALUATION

3.1 Data Usability

This section presents a summary of the usability of the analytical data and an evaluation of the PARCC parameters. Data usability was calculated as the percentage of data that was not qualified as rejected based on a significant deviation from established QA/QC criteria. Data usability which was calculated separately for each type of analysis is tabulated below.

Table 2: Data Usability and PARCC Evaluation - Data Usability

Parameter	Usability	Deviations
Volatile Organics	100 %	None resulting in the qualification of data

3.2 PARCC Evaluation

The following sections provide an evaluation of the analytical data with respect to the precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters.

3.2.1 Precision

Precision is measured through field duplicate samples, split samples, and laboratory duplicate samples. For this sampling program, none of the data were qualified for laboratory duplicate criteria deviations and none of the data were qualified for field duplicate criteria deviations.

3.2.2 Accuracy

Matrix spike sample, surrogate recovery, internal standard recovery, laboratory control samples, and calibration criteria indicate the accuracy of the data. For this sampling program, none of the analytical data were qualified for deviations from matrix spike recovery criteria; none of the data were qualified for surrogate recovery criteria deviations; none of the data were qualified for internal standard recovery criteria deviations; none of the data were qualified for laboratory control sample deviations; and none of the data were qualified for calibration criteria deviations.

3.2.3 Representativeness

Holding times, sample preservation, and blank analysis are indicators of the representativeness of the analytical data. For this investigation, none of the analytical data required qualification for holding time deviations and none of the analytical data required qualification for blank analysis deviations.

3.2.4 Comparability

Comparability is not compromised provided that the analytical methods did not change over time. A major component of comparability is the use of standard reference materials for calibration and QC. These standards are compared to other unknowns to verify their concentrations. Since standard analytical methods and reporting procedures

were consistently used by the laboratory, the comparability criteria for the analytical data were met.

3.2.5 Completeness

The percent usability or completeness of the data was determined to be 100 percent.

APPENDIX A

DATA VALIDATION CHECKLISTS

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Data Validation Checklist - Part A: SW-846 Method 8260B VOA Analysis

No:	Parameter	YES	NO	N/A
1.0	**Traffic Reports and Laboratory Narrative**			
1.1	Are the traffic Report Forms present for all samples?	X		
1.2	Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data?		X	
2.0	**Holding Times**			
2.1	Have any VOA technical holding times, determined from date of collection to date of analysis, been exceeded?		X	
3.0	**System Monitoring Compound (SMC) Recovery (Form II)**			
3.1	Are the VOA SMC Recovery Summaries (FORM II) present for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil			X
	c. Air			X
3.2	Are all the VOA samples listed on the appropriate System Monitoring Compound Recovery Summary for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil			X
	c. Air			X
3.3	Were outliers marked correctly with an asterisk?			X
3.4	Was one or more VOA system monitoring compound recovery outside of contract specifications for any sample or method blank?		X	
	If yes, were samples re-analyzed?			X
	Were method blanks re-analyzed?			X
3.5	Are there any transcription/calculation errors between raw data and Form II?		X	
4.0	**Matrix Spikes (Form III)**			
4.1	Is the Matrix Spike/Matrix Spike Duplicate Recovery Form (Form III) present?	X		
4.2	Were matrix spikes analyzed at the required frequency for each of the following matrices?			
	a. Low Water	X		
	b. Low Soil			X
	c. Air			X
4.3	How many VOA spike recoveries are outside QC limits?			
	Water 0 out of 94 Soils 0 out of 0			
4.4	How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?			

Data Validation Checklist - Part A: SW-846 Method 8260B VOA Analysis

No:	Parameter	YES	NO	N/A
	Water 0 out of 47 Soils 0 out of 0			
5.0	**Blanks (Form IV)**			
5.1	Is the Method Blank Summary (Form IV) present?	X		
5.2	Frequency of Analysis: for the analysis of VOA TCL compounds, has a reagent/method blank been analyzed for each SDG or every 20 samples of similar matrix (low water, low soil, medium soil), whichever is more frequent?	X		
5.3	Has a VOA method/instrument blank been analyzed at least once every twelve hours for each concentration level and GC/MS system used?	X		
5.4	Is the chromatographic performance (baseline stability) for each instrument acceptable for VOAs?	X		
6.0	**Contamination**			
6.1	Do any method/instrument/reagent blanks have positive results (TCL and/or TIC) for VOAs?		X	
6.2	Do any field/trip/rinse blanks have positive VOA results (TCL and/or TIC)?	X		
6.3	Are there field/rinse/equipment blanks associated with every sample?	X		
7.0	**GC/MS Instrument Performance Check (Form V)**			
7.1	Are the GC/MS Instrument Performance Check Forms (Form V) present for Bromofluorobenzene (BFB)?	X		
7.2	Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift?	X		
7.3	Has an instrument performance compound been analyzed for every twelve hours of sample analysis per instrument?	X		
7.4	Have the ion abundances been normalized to m/z 95?	X		
7.5	Have the ion abundance criteria been met for each instrument used?	X		
7.6	Are there any transcription/calculation errors between mass lists and Form V's?		X	
7.7	Have the appropriate number of significant figures (two) been reported?	X		
7.8	Are the spectra of the mass calibration compound acceptable?	X		
8.0	**Target Compound List (TCL) Analytes**			
8.1	Are the Organic Analysis Data Sheets (Form I VOA) present with required header information on each page, for each of the following:			
	a. Sample and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates?	X		
	c. Blanks?	X		
8.2	Are the VOA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?			
	a. Samples and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates (Mass spectra not required)?	X		
	c. Blanks?	X		

Data Validation Checklist - Part A: SW-846 Method 8260B VOA Analysis

No:	Parameter	YES	NO	N/A
8.3	Are the response factors shown in the Quant Report?	X		
8.4	Is the chromatographic performance acceptable with respect to:			
	Baseline stability?	X		
	Resolution?	X		
	Peak shape?	X		
	Full-scale graph (attenuation)?	X		
	Other:			
8.5	Are the lab-generated standard mass spectra of the identified VOA compounds present for each sample?	X		
8.6	Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	X		
8.7	Are all ions in the standard mass spectrum at a relative intensity greater than 10% also present in the sample mass spectrum?	X		
8.8	Do sample and standard relative ion intensities agree within 20%?	X		
9.0	**Tentatively Identified Compounds (TIC)**			
9.1	Are all Tentatively Identified Compound Forms (Form I Part B) present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?			X
9.2	Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:			
	a. Samples and/or fractions as appropriate?			X
	b. Blanks?			X
9.3	Are any TCL compounds (from any fraction) listed as TIC compounds?			X
9.4	Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?			X
9.5	Do TIC and "best match" standard relative ion intensities agree within 20%?			X
10.0	**Compound Quantitation and Reported Detection Limits**			
10.1	Are there any transcription/calculation errors in Form I results?		X	
10.2	Are the CRQLs adjusted to reflect sample dilutions and, for soils, sample moisture?	X		
11.0	**Standards Data (GC/MS)**			
11.1	Are the Reconstructed Ion Chromatograms, and data system printouts present for initial and continuing calibration?	X		
12.0	**GC/MS Initial Calibration (Form VI)**			
12.1	Are the Initial Calibration Forms (Form VI) present and complete for the volatile fraction at concentrations of 10, 20, 50, 100, 200 ug/L? Are there separate calibrations for low/med soils and low soil samples?	X		
12.2	Were all low level soil standards, blanks, and samples analyzed by heated purge?			X
12.3	Are the response factors stable for VOA's over the concentration range of the calibration (%Relative Standard Deviation (%RSD) <30%)	X		

Data Validation Checklist - Part A: SW-846 Method 8260B VOA Analysis

No:	Parameter	YES	NO	N/A
12.4	Are the RRFs above 0.01?	X		
12.5	Are there any transcription/calculation errors in the reporting of average response factors (RRF) or %RSD?		X	
13.0	**GC/MS Continuing Calibration (Form VII)**			
13.1	Are the Continuing Calibration Forms (Form VII) present and complete for the volatile fraction?	X		
13.2	Has a continuing calibration standard been analyzed for every twelve hours of sample analysis per instrument?	X		
13.3	Do any volatile compounds have a %Difference (%D) between the initial and continuing RRF which exceeds the +/- 25% criteria?		X	
13.4	Do any volatile compounds have a RRF <0.01?		X	
13.5	Are there any transcription/calculation errors in the reporting of average response factor (RRF) or %difference (%D) between initial and continuing RRFs?		X	
14.0	**Internal Standard (Form VIII)**			
14.1	Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to +100%) for each continuing calibration?	X		
14.2	Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	X		
15.0	**Field Duplicates**			
15.1	Were any field duplicates submitted for VOA analysis?	X		

Data Usability Summary Report

10 East Chester Street
BCP Site #C356032A
Kingston, New York

Air Monitoring Samples
Collected 03/29/2021

Report Prepared
in July 2021

ZDATAREPORTS
Data Management and Validation Services
118 Rose Lane Terrace, Syracuse, NY 13219, (716) 907-2341

Data Usability Summary Report

Air Monitoring Samples

10 East Chester Street
BCP Site #C356032A
Kingston, New York

Prepared By:

ZDATAREPORTS
Data Management and Validation Services
118 Rose Lane Terrace, Syracuse, NY 13219, (716) 907-2341

EXECUTIVE SUMMARY

This report addresses data quality for four air samples collected at the 10 Chester Street Site #C356032A located in Kingston, New York. The samples were analyzed for volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed by LaBella Associates located in Ballston Spa, New York. Analytical services were provided by Eurofins Environmental Testing America located in Knoxville, Tennessee.

The TO-15 volatile organic analyses data were determined to be usable for qualitative and quantitative purposes with no exceptions. Sample results for several compounds were qualified based on deviations from continuing calibration criteria.

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Appendix A - Data Validation Checklists

SECTION 1 - INTRODUCTION

1.1 Introduction

This report addresses data quality for four air samples collected at the 10 Chester Street Site #C356032A located in Kingston, New York. The samples were analyzed for volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed by LaBella Associates located in Ballston Spa, New York. Analytical services were provided by Eurofins Environmental Testing America located in Knoxville, Tennessee. The quantity and type of samples submitted for data validation are tabulated below.

Table 1: Introduction - Sample Summary Table

SDG#	Date Collected	Sample Matrix	Sample Identification	
			Client ID	Laboratory ID
140-22606-1	03/29/2021	Air	H1_SS_ECH_2021	140-22606-1
			DUPE_SS_ECH_2021	140-22606-2
			H1_IA_ECH_2021	140-22606-3
			H1_OA_ECH_2021	140-22606-4

1.2 Analytical Methods

The samples were analyzed for TO-15 volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies (2005 update). Laboratory analyses were provided by Eurofins TestAmerica Laboratories, Inc. located in Knoxville, Tennessee.

1.3 Validation Protocols

Data validation is a process that involves the evaluation of analytical data against prescribed quality control criteria to determine the usefulness of the data. The analytical data addressed in this report were evaluated utilizing the quality control criteria presented in the following documents:

- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, EPA-540-R-08-01, June 2008.
- *CLP Organics Data Review and Preliminary Review*, SOP No. HW-6 Revision #14, USEPA Region II, September 2006.
- *Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-846 Method 8260B*, SOP No. HW-24 Revision #2, USEPA Hazardous Waste Support Branch, October 2006.
- *Validating Air Samples Volatile Organic Analysis of Ambient Air in Canister by Method TO-15*, SOP No. HW-31 Revision #4, USEPA Hazardous Waste Support Branch, October 2006.

- *Exhibit E of New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP)*, NYSDEC June 2005.

1.3.1 Organic Parameters

The validation of organic parameters for this project followed the requirements presented in the analytical methodology and the data validation guidelines presented above. The following QA/QC parameters were evaluated:

TO-15 Volatile Organics Analyses

1. Holding Times
2. GC/MS Instrument Tuning Criteria
3. Calibration
   a. Initial Calibration
   b. Continuing Calibration
4. Blank Analysis
5. Surrogate Recovery
6. Matrix Spike / Matrix Spike Duplicate Analysis
7. Reference Standard Analysis
8. Internal Standards Recovery
9. Compound Identification and Quantification
10. Field Duplicate Analysis
11. System Performance
12. Documentation Completeness
13. Overall Data Assessment

1.4 Data Qualifiers

The following qualifiers as specified in the guidance documents presented in Section 1.3 of this report have been used for this data validation.

U — Indicates that the compound was analyzed for, but was not detected. The sample quantification limit is presented and adjusted for dilution. This qualifier is also used to signify that the detection limit of an analyte was raised due to blank contamination.

J — Indicates that the result should be considered approximate. This qualifier is used when the data validation procedure identifies a deficiency in the data generation process.

UJ — Indicates that the detection limit for the analyte in this sample should be considered approximate. This qualifier is used when the data validation process identifies a deficiency in the data generation process.

R — Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data are considered to be unusable for both qualitative and quantitative purposes.

The following sections of this document present a summary of the data validation process. Section 2 discusses data compliance with established QA/QC criteria and qualifications performed on the sample data. A discussion of the Precision, Accuracy, Representativeness, Comparability, and Completeness (PARCC) of the data and data usability are discussed in Section 3. The USEPA Region II Data Validation Checklist is presented in Appendix A.

SECTION 2 - DATA VALIDATION SUMMARY

This section presents a discussion of QA/QC parameter compliance with established criteria and the qualification of data performed when QA/ QC parameter deviations were identified. When several deviations from established QA/QC criteria were observed, the final qualifier assigned to the data was based on the cumulative effect of the deviations.

Continuing Calibration

The continuing calibration percent difference (%D) limit, which requires the %D to be less than 25 percent, was exceeded for several compounds. Sample qualification included the approximation (J, UJ) of results when %D criteria were exceeded but were less than 90 percent. Non-detected results were rejected (R) for compounds with %D values greater than 90 percent. Samples requiring qualification due to these deviations are tabulated below.

Table 3: Volatile Organics Analysis - Continuing Calibration Deviations

Date Analyzed	Compound	%D	Result Qualifier	Affected Samples
MS 04/12/2021 08:30	Ethanol	35.8 %	J	H1_SS_ECH_2021 DUPE_SS_ECH_2021 H1_IA_ECH_2021 H1_OA_ECH_2021

Overall Data Assessment

Overall, the laboratory performed volatile organics analyses in accordance with the requirements specified in the method listed in Section 1.2. These data were determined to be usable for qualitative and quantitative purposes with no exceptions. Sample results for several compounds were qualified based on deviations from continuing calibration criteria.

SECTION 3 - DATA USABILITY and PARCC EVALUATION

3.1 Data Usability

This section presents a summary of the usability of the analytical data and an evaluation of the PARCC parameters. Data usability was calculated as the percentage of data that was not qualified as rejected based on a significant deviation from established QA/QC criteria. Data usability which was calculated separately for each type of analysis is tabulated below.

Table 5: Data Usability and PARCC Evaluation - Data Usability

Parameter	Usability	Deviations
TO-15 Volatile Organics	100 %	None resulting in the rejection of data.

3.2 PARCC Evaluation

The following sections provide an evaluation of the analytical data with respect to the precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters.

3.2.1 Precision

Precision is measured through field duplicate samples, split samples, and laboratory duplicate samples. For this sampling program, none of the data were qualified for laboratory or field duplicate criteria deviations.

3.2.2 Accuracy

Matrix spike sample, surrogate recovery, internal standard recovery, laboratory control samples, and calibration criteria indicate the accuracy of the data. For this sampling program, none of the analytical data were qualified for deviations from matrix spike recovery criteria; none of the data were qualified for surrogate recovery criteria deviations; none of the data were qualified for internal standard recovery criteria deviations, none of the data were qualified for laboratory control sample deviations, and 1.92 percent of the data were qualifier for calibration criteria deviations or laboratory control sample deviations.

3.2.3 Representativeness

Holding times, sample preservation, and blank analysis are indicators of the representativeness of the analytical data. For this investigation, none of the analytical data required qualification for holding time deviations and none of the analytical data required qualification for blank analysis deviations.

3.2.4 Comparability

Comparability is not compromised provided that the analytical methods did not change over time. A major component of comparability is the use of standard reference materials for calibration and QC. These standards are compared to other unknowns to verify their

concentrations. Since standard analytical methods and reporting procedures were consistently used by the laboratory, the comparability criteria for the analytical data were met.

3.2.5 Completeness

The percent usability or completeness of the data was determined to be 100 percent.

APPENDIX A

DATA VALIDATION CHECKLISTS

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I.	Part A: TO-15 VOA Analyses	2

Data Validation Checklist - Part A: TO-15 VOA Analyses

No:	Parameter	YES	NO	N/A	
1.0	**Data Completeness and Deliverables**				
1.1	Have any missing deliverables been received and added to the data package?			X	
2.0	**Cover Letter, Narrative, and Data Reporting Forms**				
2.1	Is the Lab. Narrative and Cover Page Present?		X		
2.2	Is Case Number contained in the Narrative?		X		
2.3	Are the following Data Reporting Forms present?				
	Analysis Data Sheet [Form I/Equivalent]		X		
	Tentatively Identified Compounds [Form I-TIC]		X		
	Blank Summary [Form IV/Equivalent]		X		
	Laboratory Control Sample Data Sheet [Form III/Equivalent]		X		
	GC/MS Instrument Performance Check and Mass Calibration [Form V/Equivalent]		X		
	Initial Calibration [Form VI/Equivalent]		X		
	Continuing Calibration [Form VII/Equivalent]		X		
	Internal Standard Area and RT Summary [Form VIII/Equivalent]		X		
	Canister Certification [Form IX/Equivalent]		X		
3.0	**Canister Receipt/Log-in Sheet**				
3.1	Do all info items agree with each sample?		X		
4.0	**Traffic Reports and Laboratory Narrative**				
4.1	Are the Traffic Report Forms present for all samples?		X		
5.0	**Holding Times**				
5.1	Have any VOA technical holding times of 30 days, determined from the date of sample collection to the date of analysis, been exceeded?			X	
6.0	**Leak Test Evaluation**				
6.1	Did the pressure test not vary by more than ± 13.8 kPa (± 2 psi) over the 24 hours period?		X		
7.0	**Canister Certification Form IX/Equivalent**				
7.1	Blank Analysis				
	Were the target analytes < the required detection limits specified in the task order?		X		
7.2	Is the canister certification form provided, and the associated canister sample identification included? When contamination, included contamination detected (all raw data), analyte and reference mass spectra.		X		

Data Validation Checklist - Part A: TO-15 VOA Analyses

No:	Parameter	YES	NO	N/A
8.0	**Laboratory Control Samples**			
8.1	Is an LCS Data Sheet [Form III/Equivalent] present and complete for each LCS?	X		
8.2	Was an LCS prepared (10 ppbv total scan, 0.1 ppbv SIM) and analyzed at the required frequency (once per 24 hour analytical sequence, and concurrently with the samples in the SDG)?	X		
8.3	Are there any transcription/calculation errors between the raw data and Form III/Equivalent?		X	
8.4	Is the % recovery within 70 – 130 % for each LCS target compound reported on Form III/Equivalent?		X	
8.5	Is the RT of each reported LCS compound within the windows established during the most recent valid calibration?	X		
8.6	Do the Internal Standards meet the requirements specified in Sections 18.1 and 18.2?	X		
9.0	**GC/MS Instrument Performance Check**			
9.1	Are the GC/MS Instrument Performance Check Forms [Form V/Equivalent] present for Bromofluorobenzene (BFB)?	X		
9.2	Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the 50 ng BFB provided for each twenty-four hour shift?	X		
9.3	Has the instrument performance compound been analyzed for every twenty-four hours of sample analysis per instrument?	X		
9.4	Have the ion abundances been normalized to m/z 95?	X		
9.5	Have the ion abundance criteria been met for each instrument used?	X		
9.6	Are there any transcription/calculation errors between mass lists and Form Vs?		X	
9.7	Have the appropriate number of significant figures (two) been reported?	X		
9.8	Are the spectra of the mass calibration compound acceptable?	X		
10.0	**Performance Evaluation Sample (Optional)**			
10.1	Was a PE sample submitted from the Agency with each SDG?			X
10.2	Do the Internal Standards meet the requirements specified in Section 18.1 and 18.2?			X
11.0	**Laboratory Method Blanks**			
11.1	Is an Analysis Data Sheet [Form IV/Equivalent] present and complete for each method blank?	X		
11.2	Frequency of Analysis:			
	Has a method blank analysis been reported per instrument for each 24-hour analytical sequence?	X		
	Has a method blank been analyzed after the initial calibration or a valid calibration check standard, and before the LCS, prior to sample analysis?	X		
11.3	Is the chromatographic performance (baseline stability) for each instrument acceptable?	X		
11.4	Was the area response of each Internal Standard (IS) in the blank within ± 40 % of the mean area response of the IS of the most recent valid calibration?	X		

Data Validation Checklist - Part A: TO-15 VOA Analyses

No:	Parameter	YES	NO	N/A
11.5	Were the RTs of each IS within ± 0.33 min (20 sec.) between blanks and most recent valid calibration?	X		
12.0	**Blank Contamination**			
12.1	Do any method blanks have positive target and non-target VOA results?		X	
13.0	**Target Compound Analytes**			
13.1	Are the Organic Analysis Data Sheets [Form I/Equivalent], VOA chromatograms, and data system printouts present and complete with required header information for each of the following:			
	a. Samples?	X		
	b. Method blanks?	X		
	c. Laboratory Control Sample (LCS)?	X		
	d. Performance Evaluation Sample (PES)?	X		
13.2	Is the chromatographic performance acceptable with respect to:			
	a. Baseline stability?	X		
	b. Resolution?	X		
	c. Peak shape?	X		
	d. Full-scale graph (attenuation)?	X		
	e. Other?			X
13.3	Were any electropositive displacement (negative peaks) or unusual peaks seen?		X	
13.4	Is the sample component relative retention time (RRT) within ± 0.06 RRT units of the RRT of the standard component from the most recent continuing calibration?	X		
13.5	Was Nafion dryer used?			X
14.0	**Tentatively Identified Compounds (TIC)**			
14.1	Are all Tentatively Identified Compound Forms [Form I-TIC] present and are retention time, estimated concentration and "JN" qualifier listed corresponding to each TIC?			X
14.2	Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following?			
	a. Samples			X
	b. Blanks			X
14.3	Are all ions present in the reference mass spectrum with a relative intensity greater than 10 % also present in the sample mass spectrum?			X
14.4	Do TIC and "best match" standard relative ion intensities agree within 20 %?			X
15.0	**Initial Calibration and System Performance [Form VI/Equivalent]**			
15.1	Were each GC/MS system calibrated at 5 concentrations that span the monitoring range of the interest in an initial calibration sequence to determine the sensitivity and the linearity of the GC/MS response for the target compounds?	X		
15.2	Was the same volume introduced into the trap consistently for all field and QC-sample analyses?	X		

Data Validation Checklist - Part A: TO-15 VOA Analyses

No:	Parameter	YES	NO	N/A
15.3	Was the area response (Y) at each calibration level within ± 40 % of the mean area response (mean Y) over the initial calibration range for each Internal Standard?	X		
	Did the laboratory tabulate the area response (Y) of the primary ions and the corresponding concentration for each compound and Internal Standard?	X		
15.4	Are the relative retention times (RRTs) for each of the target compounds at each calibration level within ± 0.06 RRT units of the mean relative retention time for the compound?	X		
15.5	Are all individual RRF and average RRFs ≥ 0.050?	X		
15.6	Are the response factors (RF) stable i.e., % Relative Standard Deviation (%RSD) ≤ 30.0 %?	X		
15.7	Are there any transcription/calculation errors in the reporting of average response factors (RRFs) or %RSDs?		X	
15.8	Are the RT shift for each Internal Standard (IS) at each calibration level within 20 seconds of the mean RT over the initial calibration range of each IS?	X		
16.0	**Daily Calibration (Form VII/Equivalent)**			
16.1	Are the daily Calibration Forms [Form VII/Equivalent] present and complete for the volatile fraction?	X		
16.2	Has the daily calibration standard (20 ppbv total scan, 0.1 ppbv SIM) been analyzed for every twenty-four hours of sample analysis per instrument after the BFB tuning analysis?	X		
16.3	Do any volatile compounds have a % Difference (%D) between the initial and daily RRFs which exceed the ± 30 % criteria?	X		
16.4	Are there any transcription/calculation errors in the reporting of the average response factors (RRF) or % difference (%D) between initial and daily RRFs?		X	
17.0	**Compound Quantitation and Reported Detection Limits**			
17.1	Are there any transcription/calculations errors in Form I results?		X	
17.2	Are the reported detection limits adjusted to reflect sample dilutions?	X		
17.3	Have any target compound concentrations exceeded the calibration range of the GC?		X	
17.4	Was more than one method of quantitation used to calculate sample results within a batch or 24-hour analytical sequence?		X	
17.5	Did the lab report the target compounds below CRQLs with the suffix “J”?			X
18.0	**Internal Standards (Form VIII/Equivalent)**			
18.1	Are the 3 internal standard areas [Form VIII] of every sample, LCS, PE, and blank within the upper and lower limits (+ 40 % to – 40 %) for each continuing calibration or 10 ppb level of initial calibration?	X		
18.2	Are the internal standard retention times in each sample, LCS, PE, and blank within 20 seconds of the corresponding retention times in the associated calibration standard?	X		
19.0	**Mass Spectral Interpretation/Identification**			
19.1	Are the Organic Analysis Data Sheets present with required header information on each page, for each of the following:			
	a. Samples and/or fractions as appropriate?	X		

Data Validation Checklist - Part A: TO-15 VOA Analyses

No:	Parameter	YES	NO	N/A
	b. Laboratory Control Samples?	X		
	c. Blanks?	X		
19.2	Are the VOA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (quant reports) included in the sample package for each of the following:			
	a. Samples and/or fractions as appropriate?	X		
	b. Laboratory Control Samples?	X		
	c. Blanks?	X		
19.3	Is chromatographic performance acceptable with respect to:			
	a. Baseline stability?	X		
	b. Resolution?	X		
	c. Peak shape?	X		
	d. Full-scale graph (attenuation)?	X		
	e. Other:			X
19.4	Are the lab-generated standard mass spectra of the identified compounds present for each sample?	X		
19.5	Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	X		
19.6	Are all ions present in the reference standard mass spectrum at a relative intensity greater than 10 % also present in the sample mass spectrum?	X		
19.7	Do sample and reference standard relative ion intensities agree within ± 20 %?	X		
20.0	**Field Duplicates**			
15.1	Were any field duplicates submitted for VOA analysis?		X	

Data Usability Summary Report

10 East Chester St. Site
DEC Site #: C356032A
Kingston, NY
Groundwater Samples
Collected March 2023

Reviewed:
May 2023

ZDataReports
Data Management and Validation Services
118 Rose Lane Terrace, Syracuse, NY 13219, (716) 907-2341

Data Usability Summary Report

Groundwater Samples
Collected March 2023

10 East Chester St. Site
DEC Site #: C356032A
Kingston, NY

Prepared By:

ZDataReports

Data Management and Validation Service
118 Rose Lane Terrace
Syracuse, New York 13219
(716) 907-2341

EXECUTIVE SUMMARY

This report addresses data quality for nine groundwater samples collected at the 10 East Chester St. Site DEC#: C356032A, Kingston, NY. The samples were analyzed for volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed by LaBella Associates located in Ballston Spa, New York. Analytical services were provided by Con-Test Laboratory in East Longmeadow, Massachusetts.

The volatile organic analyses data were determined to be usable for qualitative and quantitative purposes with no exceptions. Sample results for all samples were qualified based on deviations in laboratory control sample recoveries and continuing calibration criteria deviations.

The percent usability or completeness of the data was determined to be 100 percent.

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Appendix A - Data Validation Checklists

SECTION 1 - INTRODUCTION

1.1 Introduction

This report addresses data quality for nine groundwater samples collected at the 10 East Chester St. Site DEC#: C356032A, Kingston, NY. The samples were analyzed for volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies. Sample collection was performed LaBella Associates located in Ballston Spa, New York. Analytical services were provided by Con-Test Laboratory in East Longmeadow, Massachusetts. The quantity and types of samples submitted for data validation are tabulated below.

Table 1: Introduction - Sample Summary Table

SDG#	Date Collected	Sample Matrix	Sample Identification	
			Client ID	Laboratory ID
23C1251	03/08/2023	Ground Water	SB-4	23C1251-01
			SB-8	23C1251-02
			SB-6	23C1251-03
			SB-7	23C1251-04
			SB-2	23C1251-05
			SB-3	23C1251-06
			SB-5	23C1251-07
			SB-1	23C1251-08
			Field Duplicate-1	23C1251-09

1.2 Analytical Methods

The samples were analyzed for volatile organics (VOCs) following New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) methodologies (2005 update). Laboratory analyses were provided by TestAmerica Laboratories, Inc. located in Amherst, New York.

1.3 Validation Protocols

Data validation is a process that involves the evaluation of analytical data against prescribed quality control criteria to determine the usefulness of the data. The analytical data addressed in this report were evaluated utilizing the quality control criteria presented in the following documents:

- *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review*, EPA-540-R-08-01, June 2008.
- *CLP Organics Data Review and Preliminary Review*, SOP No. HW-6 Revision #14, USEPA Region II, September 2006.

- *Validating Volatile Organic Compounds By Gas Chromatography/Mass Spectrometry SW-846 Method 8260B*, SOP No. HW-24 Revision #2, USEPA Hazardous Waste Support Branch, October 2006.

- *Exhibit E of New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP)*, NYSDEC June 2005.

1.3.1 Organic Parameters

The validation of organic parameters for this project followed the requirements presented in the analytical methodology and the data validation guidelines presented above. The following QA/QC parameters were evaluated:

Volatile Organics Analysis

1. Holding Times
2. GC/MS Instrument Tuning Criteria
3. Calibration
   a. Initial Calibration
   b. Continuing Calibration
4. Blank Analysis
5. Surrogate Recovery
6. Matrix Spike / Matrix Spike Duplicate Analysis
7. Reference Standard Analysis
8. Internal Standards Recovery
9. Compound Identification and Quantification
10. Field Duplicate Analysis
11. System Performance
12. Documentation Completeness
13. Overall Data Assessment

1.4 Data Qualifiers

The following qualifiers as specified in the guidance documents presented in Section 1.3 of this report have been used for this data validation.

U Indicates that the compound was analyzed for, but was not detected. The sample quantification limit is presented and adjusted for dilution. This qualifier is also used to signify that the detection limit of an analyte was raised due to blank contamination.

J Indicates that the result should be considered approximate. This qualifier is used when the data validation procedure identifies a deficiency in the data generation process.

UJ Indicates that the detection limit for the analyte in this sample should be considered approximate. This qualifier is used when the data validation process identifies a deficiency in the data generation process.

R Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data are considered to be unusable for both qualitative and quantitative purposes.

The following sections of this document present a summary of the data validation process. Section 2 discusses data compliance with established QA/QC criteria and qualifications performed on the sample data. A discussion of the Precision, Accuracy, Representativeness, Comparability, and Completeness (PARCC) of the data and data usability are discussed in Section 3. The USEPA Region II Data Validation Checklist is presented in Appendix A.

SECTION 2 - DATA VALIDATION SUMMARY

This section presents a discussion of QA/QC parameter compliance with established criteria and the qualification of data performed when QA/QC parameter deviations were identified. When several deviations from established QA/QC criteria were observed, the final qualifier assigned to the data was based on the cumulative effect of the deviations.

2.1 Volatile Organics Analysis

Data validation was performed for nine groundwater samples. The QA/QC parameters presented in Section 1.3.1 of this report were found to be within specified limits without exception. The overall data assessment is summarized below.

Continuing Calibration

The continuing calibration percent difference (%D) limit, which requires the %D to be less than 25 percent, was exceeded for several compounds. Sample qualification included the approximation (J, UJ) of results when %D criteria were exceeded but were less than 90 percent. Non-detected results were rejected (R) for compounds with %D values greater than 90 percent. Samples requiring qualification due to these deviations are tabulated below.

Table 2: Volatile Organics Analysis - Continuing Calibration Deviations

Date Analyzed	Compound	%D	Result Qualifier	Affected Samples
GCMSVOA5 03/14/2023 12:12	Vinyl Chloride	55.6 %	UJ	SB-4 SB-8 SB-6 SB-7 SB-2 SB-3 SB-5 SB-1 Field Duplicate-1

Laboratory Control Sample Analysis

Laboratory control sample (LCS) recovery criteria requiring recoveries to be within laboratory generated control limits were exceeded for several compounds. Qualification of sample data included the approximation of results when spike recoveries were greater than the upper limit, but less than 200 percent or less than the lower limit, but greater than 10 percent. Non-detected sample results were rejected (R) for compounds with recoveries that were less than 10 percent. Samples qualified due to LCS recovery deviations are tabulated below.

Table 3: Volatile Organics Analysis - Laboratory Control Sample Deviations

Matrix	Compound	Percent Recovery	Control Limits	Qualifier	Affected Samples
Water B334020	Vinyl Chloride	170 % / 159 %	40 % to 160 %	UJ	SB-4 SB-8 SB-6 SB-7 SB-2 SB-3 SB-5 SB-1 Field Duplicate-1

Overall Data Assessment

Overall, the laboratory performed volatile organic analyses in accordance with the requirements specified in the methods listed in Section 1.2. The volatile organic analyses data were determined to be usable for qualitative and quantitative purposes no exceptions. Sample results for all samples were qualified based on deviations in laboratory control sample recoveries, matrix spike recoveries and continuing calibration criteria deviations.

SECTION 3 - DATA USABILITY and PARCC EVALUATION

3.1 Data Usability

This section presents a summary of the usability of the analytical data and an evaluation of the PARCC parameters. Data usability was calculated as the percentage of data that was not qualified as rejected based on a significant deviation from established QA/QC criteria. Data usability which was calculated separately for each type of analysis is tabulated below.

Table 2: Data Usability and PARCC Evaluation - Data Usability

Parameter	Usability	Deviations
Volatile Organics	100 %	None resulting in the rejection of data.

3.2 PARCC Evaluation

The following sections provide an evaluation of the analytical data with respect to the precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters.

3.2.1 Precision

Precision is measured through field duplicate samples, split samples, and laboratory duplicate samples. For this sampling program, none of the data were qualified for laboratory duplicate criteria deviations and none of the data were qualified for field duplicate criteria deviations.

3.2.2 Accuracy

Matrix spike sample, surrogate recovery, internal standard recovery, laboratory control samples, and calibration criteria indicate the accuracy of the data. For this sampling program, none of the analytical data were qualified for deviations from matrix spike recovery criteria; none of the data were qualified for surrogate recovery criteria deviations; none of the data were qualified for internal standard recovery criteria deviations; 1.59 % of the data were qualified for laboratory control sample deviations; and 1.59 % of the data were qualified for calibration criteria deviations.

3.2.3 Representativeness

Holding times, sample preservation, and blank analysis are indicators of the representativeness of the analytical data. For this investigation, none of the analytical data required qualification for holding time deviations and none of the analytical data required qualification for blank analysis deviations.

3.2.4 Comparability

Comparability is not compromised provided that the analytical methods did not change over time. A major component of comparability is the use of standard reference materials for calibration and QC. These standards are compared to other unknowns to verify their concentrations. Since standard analytical methods and reporting procedures

were consistently used by the laboratory, the comparability criteria for the analytical data were met.

3.2.5 Completeness

The percent usability or completeness of the data was determined to be 100 percent.

APPENDIX A

DATA VALIDATION CHECKLISTS

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I.	Part A: SW-846 Method 8260B VOA Analyses	2

Data Validation Checklist - Part A: SW-846 Method 8260B VOA Analysis

No:	Parameter	YES	NO	N/A
1.0	**Traffic Reports and Laboratory Narrative**			
1.1	Are the traffic Report Forms present for all samples?	X		
1.2	Do the Traffic Reports or Lab Narrative indicate any problems with sample receipt, condition of samples, analytical problems or special circumstances affecting the quality of the data?		X	
2.0	**Holding Times**			
2.1	Have any VOA technical holding times, determined from date of collection to date of analysis, been exceeded?		X	
3.0	**System Monitoring Compound (SMC) Recovery (Form II)**			
3.1	Are the VOA SMC Recovery Summaries (FORM II) present for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil			X
	c. Air			X
3.2	Are all the VOA samples listed on the appropriate System Monitoring Compound Recovery Summary for each of the following matrices:			
	a. Low Water	X		
	b. Low Soil			X
	c. Air			X
3.3	Were outliers marked correctly with an asterisk?			X
3.4	Was one or more VOA system monitoring compound recovery outside of contract specifications for any sample or method blank?		X	
	If yes, were samples re-analyzed?			X
	Were method blanks re-analyzed?			X
3.5	Are there any transcription/calculation errors between raw data and Form II?		X	
4.0	**Matrix Spikes (Form III)**			
4.1	Is the Matrix Spike/Matrix Spike Duplicate Recovery Form (Form III) present?	X		
4.2	Were matrix spikes analyzed at the required frequency for each of the following matrices?			
	a. Low Water	X		
	b. Low Soil			X
	c. Air			X
4.3	How many VOA spike recoveries are outside QC limits?			
	Water 3 out of 78 Soils 0 out of 78			
4.4	How many RPD's for matrix spike and matrix spike duplicate recoveries are outside QC limits?			

Data Validation Checklist - Part A: SW-846 Method 8260B VOA Analysis

No:	Parameter	YES	NO	N/A
	Water 0 out of 78 Soils 0 out of 78			
5.0	**Blanks (Form IV)**			
5.1	Is the Method Blank Summary (Form IV) present?	X		
5.2	Frequency of Analysis: for the analysis of VOA TCL compounds, has a reagent/method blank been analyzed for each SDG or every 20 samples of similar matrix (low water, low soil, medium soil), whichever is more frequent?	X		
5.3	Has a VOA method/instrument blank been analyzed at least once every twelve hours for each concentration level and GC/MS system used?	X		
5.4	Is the chromatographic performance (baseline stability) for each instrument acceptable for VOAs?	X		
6.0	**Contamination**			
6.1	Do any method/instrument/reagent blanks have positive results (TCL and/or TIC) for VOAs?		X	
6.2	Do any field/trip/rinse blanks have positive VOA results (TCL and/or TIC)?	X		
6.3	Are there field/rinse/equipment blanks associated with every sample?	X		
7.0	**GC/MS Instrument Performance Check (Form V)**			
7.1	Are the GC/MS Instrument Performance Check Forms (Form V) present for Bromofluorobenzene (BFB)?	X		
7.2	Are the enhanced bar graph spectrum and mass/charge (m/z) listing for the BFB provided for each twelve hour shift?	X		
7.3	Has an instrument performance compound been analyzed for every twelve hours of sample analysis per instrument?	X		
7.4	Have the ion abundances been normalized to m/z 95?	X		
7.5	Have the ion abundance criteria been met for each instrument used?	X		
7.6	Are there any transcription/calculation errors between mass lists and Form V's?		X	
7.7	Have the appropriate number of significant figures (two) been reported?	X		
7.8	Are the spectra of the mass calibration compound acceptable?	X		
8.0	**Target Compound List (TCL) Analytes**			
8.1	Are the Organic Analysis Data Sheets (Form I VOA) present with required header information on each page, for each of the following?			
	a. Sample and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates?	X		
	c. Blanks?	X		
8.2	Are the VOA Reconstructed Ion Chromatograms, the mass spectra for the identified compounds, and the data system printouts (Quant Reports) included in the sample package for each of the following?			
	a. Samples and/or fractions as appropriate?	X		
	b. Matrix spikes and matrix spike duplicates (Mass spectra not required)?	X		
	c. Blanks?	X		

Data Validation Checklist - Part A: SW-846 Method 8260B VOA Analysis

No:	Parameter	YES	NO	N/A
8.3	Are the response factors shown in the Quant Report?	X		
8.4	Is the chromatographic performance acceptable with respect to:			
	Baseline stability?	X		
	Resolution?	X		
	Peak shape?	X		
	Full-scale graph (attenuation)?	X		
	Other:			
8.5	Are the lab-generated standard mass spectra of the identified VOA compounds present for each sample?	X		
8.6	Is the RRT of each reported compound within 0.06 RRT units of the standard RRT in the continuing calibration?	X		
8.7	Are all ions in the standard mass spectrum at a relative intensity greater than 10% also present in the sample mass spectrum?	X		
8.8	Do sample and standard relative ion intensities agree within 20%?	X		
9.0	**Tentatively Identified Compounds (TIC)**			
9.1	Are all Tentatively Identified Compound Forms (Form I Part B) present; and do listed TICs include scan number or retention time, estimated concentration and "JN" qualifier?			X
9.2	Are the mass spectra for the tentatively identified compounds and associated "best match" spectra included in the sample package for each of the following:			
	a. Samples and/or fractions as appropriate?			X
	b. Blanks?			X
9.3	Are any TCL compounds (from any fraction) listed as TIC compounds?			X
9.4	Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?			X
9.5	Do TIC and "best match" standard relative ion intensities agree within 20%?			X
10.0	**Compound Quantitation and Reported Detection Limits**			
10.1	Are there any transcription/calculation errors in Form I results?		X	
10.2	Are the CRQLs adjusted to reflect sample dilutions and, for soils, sample moisture?	X		
11.0	**Standards Data (GC/MS)**			
11.1	Are the Reconstructed Ion Chromatograms, and data system printouts present for initial and continuing calibration?	X		
12.0	**GC/MS Initial Calibration (Form VI)**			
12.1	Are the Initial Calibration Forms (Form VI) present and complete for the volatile fraction at concentrations of 10, 20, 50, 100, 200 ug/L? Are there separate calibrations for low/med soils and low soil samples?	X		
12.2	Were all low level soil standards, blanks, and samples analyzed by heated purge?	X		
12.3	Are the response factors stable for VOA's over the concentration range of the calibration (%Relative Standard Deviation (%RSD) <30%)	X		

Data Validation Checklist - Part A: SW-846 Method 8260B VOA Analysis

No:	Parameter	YES	NO	N/A
12.4	Are the RRFs above 0.01?	X		
12.5	Are there any transcription/calculation errors in the reporting of average response factors (RRF) or %RSD?		X	
13.0	**GC/MS Continuing Calibration (Form VII)**			
13.1	Are the Continuing Calibration Forms (Form VII) present and complete for the volatile fraction?	X		
13.2	Has a continuing calibration standard been analyzed for every twelve hours of sample analysis per instrument?	X		
13.3	Do any volatile compounds have a %Difference (%D) between the initial and continuing RRF which exceeds the +/- 25% criteria?	X		
13.4	Do any volatile compounds have a RRF <0.01?		X	
13.5	Are there any transcription/calculation errors in the reporting of average response factor (RRF) or %difference (%D) between initial and continuing RRFs?		X	
14.0	**Internal Standard (Form VIII)**			
14.1	Are the internal standard areas (Form VIII) of every sample and blank within the upper and lower limits (-50% to +100%) for each continuing calibration?	X		
14.2	Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	X		
15.0	**Field Duplicates**			
15.1	Were any field duplicates submitted for VOA analysis?	X		

ATTACHMENT - I

Non-Hazardous Waste Disposal Manifest

NON-HAZARDOUS WASTE MANIFEST

KRMC INC. DBA MAC-SON INDUSTRIAL SERVICES

105 So. Albany Road • Selkirk, NY 12158
(518) 756-7200

Job Number 2021D035

Waste Transport Permit # **4A-734**
EPA ID # **NYR000237990**

GENERATOR

Generator Name Labella
Address 5 McGraw Hill Rd Ballston Spa
Phone Number ( )

Generator Location NYSDEC
Address 10 E. Chester st Kingston NY
Phone ( )

Description of Waste	Check ON	Check OFF	Check SPEC
Waste Flammable Liquid N.O.S. UN 1993			
Gasoline Tank Bottoms / Water UN 1203 Gasoline/Waste/3 P.G. II			
Oil Soaked Dirt/Debris			
Gasoline Soaked Dirt/Debris			✓
Other / Off Spec Oil / Water			
Gasoline Residual			
#2 Oil Residual			

Check Type	
Drums	✓
Gallons	
Tons	
Yards	

Quantity
5

Test Results

Halogens

LOT #

Generator Authorized Agent Name

TRANSPORTER

Transporter: **KRMC Inc.**
dba Mac-Son Industrial Services
Address: **105 So. Albany Road**
Selkirk, NY 12158
Phone #: **518-756-7200**

Driver Name Mike Schmiedel
Vehicle License No./State 18621-MM NY
Vehicle Mitsubishi Box Truck

Driver's Signature

Shipment Date 7-9-21

DESTINATION

Site Name Vexor
Address 955 W. Smith Rd Medina Ohio 44256
Phone Number (877) 721-9773

PAGE 1 - TRANSPORTER COPY

PAGE 2 - TSD FACILITY COPY

PAGE 3 - GENERATOR COPY