NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau C
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June 23, 2021

Reeti Doshi
Lead Project Manager – Downstate New York
Site Investigation and Remediation
National Grid
One Metrotech Center, 14th Floor
Brooklyn, NY 11201

Re: Additional Soil Vapor Intrusion Sampling Summary - Acceptance
Greenpoint Energy Center Former MGP
Site #224052

Dear Reeti Doshi:

The New York State Department of Environmental Conservation (the "Department") and the New York State Department of Health (NYSDOH) have reviewed the above referenced report submitted for the Greenpoint Energy Center (GPEC) Former Manufactured Gas Plant (MGP) site (the "Site) located at 287 Maspeth Avenue in Brooklyn, New York, submitted by GEI Consultants, Inc. on behalf of National Grid, dated April 23, 2021. The Department agrees with the conclusions and recommendations of the report. The Summary is hereby accepted. The Department anticipates a mitigation work plan for the Facilities Building.

If you have any questions or any issues arise, please feel free to contact me at 518-402-2029 or email: greta.white@dec.ny.gov.

Sincerely,

Greta White, P.G.
Project Manager
Remedial Action Bureau C
Division of Environmental Remediation

EC: C. Morris, GEI
D. Eaton & J. Brown, NYSDEC
S. Surani & S. McLaughlin, NYSDOH

NEW YORK STATE OF OPPORTUNITY. Department of Health

ANDREW M. CUOMO
Governor

HOWARD A. ZUCKER, M.D., J.D.
Commissioner

LISA J. PINO, M.A., J.D.
Executive Deputy Commissioner

June 17, 2021

Greta White
Division of Environmental Remediation
NYS Department of Environmental Conservation
625 Broadway, 11th Floor
Albany, NY 12233-7014

Re: **Additional Soil Vapor Intrusion Sampling Summary**
Greenpoint Energy Center Former MGP
Site # 224052
Brooklyn, Kings County

Dear Greta White,

I reviewed the *Additional Soil Vapor Intrusion Sampling Summary* dated April 23, 2021 for the above referenced site. I understand that the potential for soil vapor intrusion was further evaluated within Building 21-Facilities and Building A-Gatehouse due to elevated detections of chlorinated volatile organic compounds in previous sampling events. Consistent with the prior sampling events, potentially MGP- or petroleum related detections were relatively low and indoor air detections were generally below the BASE 90th percentile levels except for Ethanol at both locations. I also understand the detections of trichloroethene of and methylene chloride in the sub-slab and indoor air samples at Building 21-Facilities yield a recommendation to identify sources and resample or mitigate. However, National Grid is proposing mitigation as a conservative safety measure. No further actions are recommended for Building A-Gatehouse.

Based on my review, I agree with the conclusions and find the summary report acceptable. If you have any questions, or would like to discuss the site further, please feel free to contact me at (518) 402-1338.

Sincerely,

Shaun J. Surani
Public Health Specialist
Bureau of Environmental Exposure Investigation

Ec: S. McLaughlin / e-File
M. Vaccaro – NYSDOH MARO
M. Little – NYC DOHMH
J. Brown / D. Eaton – NYSDEC Central Office
J. O'Connell – NYSDEC Region 2

Reeti Doshi
Project Manager
Site Investigation & Remediation

nationalgrid

April 23, 2021

Ms. Greta White P.G.
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7014

Additional Soil Vapor Intrusion Sampling Summary
Greenpoint Energy Center Former Manufactured Gas Plant
287 Maspeth Avenue, Brooklyn, New York
Site No. 224052

Dear Ms. White:

National Grid is submitting this summary report for the additional Soil Vapor Intrusion (SVI) sampling conducted within two buildings on the Greenpoint Former Manufactured Gas Plant (MGP) site (the Site). The additional sampling was conducted on February 4, 2021 in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Additional Soil Vapor Intrusion Sampling Work Plan dated December 21, 2020. The additional sampling was recommended in the Draft Remedial Investigation Report (RIR) for the Site submitted on January 16, 2020 and included in the NYSDEC comments received on the RIR on November 24, 2020 and the subsequent comment response letter.

The buildings sampled included Building 21-Facilities and Building A-Gatehouse and the sample locations are shown on **Figure 1**. The samples included:

- Building 21-Facilities – Sub-Slab Soil Vapor/Indoor Air Location GPEC-IA306/SV306
- Building A-Gatehouse – Indoor Air Location GPEC-IA327

GEI Consultants, Inc., P.C. (GEI) has conducted several SVI sampling events at the Site, the results of which are included in the Draft RIR. An initial sampling event was conducted in March 2018 and two resampling events were conducted in March 2019 and June 2019 in select buildings. Additional samples were collected from Building 21-Facilities due to elevated detections of trichloroethene (TCE) in the sub-slab soil vapor (SS) and indoor air (IA) during previous sampling events, and additional samples were collected from Building A-Gatehouse due to elevated detections of methylene chloride and TCE during previous sampling events. Based on the previous sampling events, mitigation is currently planned for portions of three buildings (Transportation Building, Stores Building and Building 11) as shown on **Figure 1**.

A permanent sub-slab sample point was installed within Building 21-Facilities in accordance with the New York State Department of Health (NYSDOH) “Guidance for Evaluating Soil Vapor Intrusion in the State of New York, with updates” (SVI Guidance) during the Remedial Investigation. The permanent sub-slab sample point (GPEC-SV306), along with the co-located IA sample (GPEC-IA306) in Building 21-Facilities as well as the IA sample location at Building A-Gatehouse (GPEC-IA327) were collected on February 4, 2021. Outdoor air (OA) samples were also collected at each of the two buildings (GPEC-OA Facilities and GPEC-OA Gatehouse) and one blind duplicate sample was collected as part of the sampling event.

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To ensure that the sampling tube was sealed from the ambient air aboveground, helium was used as a tracer gas and monitored prior to and following sample collection as described in the SVI Guidance. The IA and OA samples were collected from the approximate breathing zone (3 to 5 feet above ground). Each SS, IA, and OA sample was collected using a batch-certified 6-liter SUMMA® canister with a laboratory-supplied flow controller calibrated to an 8-hour period. The regulator flow rate did not exceed 0.2 (L/min) and the sample tubing was capped upon the completion of sampling.

Each SUMMA canister was shipped to an approved NYSDOH Environmental Laboratory Approval Program (ELAP) registered laboratory for analysis of volatile organic compounds (VOCs) and naphthalene using the United States Environmental Protection Agency (USEPA) method TO-15. The analytical results are presented in **Table 1**. The IA concentrations were compared to the NYSDOH Air Guideline Values (AGVs) and the USEPA Building Assessment and Survey Evaluation (BASE) Study (90th percentile) levels, as provided in Table C2 of the SVI Guidance. The USEPA BASE Study included IA quality studies from public and commercial office buildings across the United States. As such, it provides an appropriate frame of reference for the IA concentrations detected at the Site. The laboratory data package, and the data usability summary report are included as **Attachment 1**.

Building inventory information was also collected in general accordance with the NYSDOH Center of Environmental Health's Indoor Air Quality Questionnaire and Building Form that is provided as Appendix B of the SVI Guidance. The building inventories and IA quality questionnaires for this sampling event are included as **Attachment 2**.

SVI Results Summary

Building 21-Facilities

Due to elevated detections of TCE in the SS and IA in previous sampling events, primarily the March 2019 resampling event, the Facilities Building was resampled. TCE was detected in the SS and IA during the March 2018 initial sampling event and the June 2019 resampling event, but at significantly lower concentrations then the March 2019 event. Additional sampling of the facilities building was recommended due to these variations observed in the TCE concentrations.

A total of four samples were collected, which included one SS sample, one co-located IA sample, a blind duplicate of the IA sample, and one OA sample.

Based on the results of the current sampling event, which indicated TCE detections (1.1 micrograms per cubic meter [µg/m^3] in SS, and 1.5 µg/m^3 in IA) the SVI Guidance recommendation would be to identify sources and resample or mitigate. TCE was identified as a component in at least one item in the building inventory. Methylene chloride was also detected during this sampling event at concentrations (7.8 µg/m^3 in SS and 13 µg/m^3 in IA) that would also require the identification of sources and resampling or mitigation according to the SVI Guidance. Methylene chloride was identified as a component in at least one item in the building inventory. The IA concentration of methylene chloride also exceeded the BASE 90th percentile level. It should be noted that the IA concentration of methylene chloride in the duplicate sample was non-detect (ND), but the method detection limit (MDL) was above (23 µg/m^3) the concentration in the primary IA sample (13 µg/m^3).

Consistent with the prior sampling events, potentially MGP- or petroleum-related detections were relatively low and indoor air detections were generally below the BASE 90th percentile levels. Ethanol (2,000 µg/m^3 in SV and 1,400 µg/m^3 in IA) was the only other compound to exceed its BASE 90th percentile level. There were no exceedances of the AGVs.

Based on the detections of TCE and methylene chloride in the SS and IA and the SVI Guidance, continued monitoring is recommended. However, National Grid is proposing to install a mitigation system in the building as a conservative safety measure.

Building A-Gatehouse

The Gatehouse was resampled due to detections of methylene chloride and TCE in the SS and IA during the March 2018 initial event (methylene chloride) and March 2019 resampling event (TCE).

A total of two samples were collected on February 4, 2021, which included one IA sample and one OA sample.

Consistent with the previous sampling events, potentially MGP- or petroleum-related detections were relatively low and indoor air detections were generally below the BASE 90th percentile levels. Ethanol (2,000 µg/m^3 in IA) was the only compound to exceed its BASE 90th percentile level. There were no exceedances of the AGVs.

Based on the detections of methylene chloride (6.1 µg/m^3 in IA) and TCE (ND in IA) in the current sampling event and the historical soil vapor sampling results, no further action is recommended for these or any other of the VOCs regulated by the SVI Guidance.

Conclusions

Based on the detections in the current sampling event in the Facilities Building, the SVI Guidance recommends continued monitoring. However, mitigation in the building is proposed as a conservative safety measure.

No further actions are recommended for Building A-Gatehouse.

If you have any questions, feel free to contact me at (617) 699-3152 or by email at reeti.doshi@nationalgrid.com.

Sincerely,

Christopher Morris, P.G.
On behalf of
Reeti Doshi – Project Manager
Attachments

cc: D. Terry (GEI)
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TABLE

Table 1. Soil Vapor Intrusion Investigation Analytical Results
Additional Soil Vapor Intrusion Sampling Summary
Greenpoint Energy Center Site
Greenpoint, NY

Analyte	Units	EPA BASE Indoor Air Concentrations 90th Percentile Range[1]	NYSDOH Air Guideline Values	Building	Facilities Building (Building 21)				Gatehouse (Building A)	
				Matrix	Soil Vapor	Indoor Air		Outdoor Air	Indoor Air	Outdoor Air
				Sample Name	GPEC-SV306	GPEC-IA 306	GPEC-XX 020421	GPEC-OA FACILITIES	GPEC-IA 327	GPEC-OA GATEHOUSE
				Sample Date	2/4/2021	2/4/2021	2/4/2021	2/4/2021	2/4/2021	2/4/2021
				Parent Sample			GPEC-IA306			
				CAS No.						
BTEX	ug/m3									
Benzene		9.4	NE	71-43-2	**0.57 B**	**0.68**	**0.87 J**	**0.53 B**	**0.63 B**	**0.6 B**
Toluene		43	NE	108-88-3	**4.1**	**4.9**	7.5 U	**1.7**	**2.2**	**1.8**
Ethylbenzene		5.7	NE	100-41-4	**0.35**	**0.36**	5.8 U	**0.23 J**	**0.28 J**	**0.23 J**
o-Xylene		7.9	NE	95-47-6	**0.43**	**0.44**	5.8 U	**0.26 J**	**0.36**	**0.33 J**
m/p-Xylene		NE	NE	179601-23-1	**1.3**	**1.4**	5.8 U	**0.8**	**0.97**	**0.81**
Other VOCs	ug/m3									
Acetone		98.9	NE	67-64-1	**16 CI**	**35 J**	**40 J**	**7.8 CI**	**59**	**4.4 J**
Allyl chloride (3-Chloropropene)		NE	NE	107-05-1	0.25 U	0.25 U	4.2 U	0.25 U	0.25 U	0.25 U
Benzyl chloride		NE	NE	100-44-7	0.83 U	0.83 U	14 U	0.83 U	0.83 U	0.83 U
Bromodichloromethane		NE	NE	75-27-4	0.54 U	0.54 U	8.9 U	0.54 U	0.54 U	0.54 U
Bromoform		NE	NE	75-25-2	0.83 U	0.83 UJ	14 U	0.83 U	0.83 U	0.83 U
Bromomethane		<1.7	NE	74-83-9	0.31 U	0.31 U	5.2 U	0.31 U	**0.095 J**	0.31 U
1,3-Butadiene		<3.0	NE	106-99-0	0.35 U	0.35 U	5.9 U	0.35 U	0.35 U	0.35 U
Butane		NE	NE	106-97-8	**2**	**15**	**16**	**2.4**	**3.4**	**2.7**
t-Butyl alcohol (Tertiary Butyl Alcohol)		NE	NE	75-65-0	**0.49 J**	**0.35 J**	16 U	0.97 U	**1**	0.97 U
Carbon disulfide		4.2	NE	75-15-0	**0.18 JB**	0.62 U	10 U	**0.1 JB**	**0.11 JB**	**0.11 JB**
Carbon tetrachloride		<1.3	NE	56-23-5	**0.42**	**0.49**	3.4 U	**0.46**	**0.49**	**0.48**
Chlorobenzene		<0.9	NE	108-90-7	**0.046 JB**	0.37 U	6.1 U	0.37 U	**0.043 JB**	**0.033 JB**
Chloroethane		<1.1	NE	75-00-3	0.21 U	0.21 U	3.5 U	0.21 U	0.21 U	0.21 U
Chloroform (Trichloromethane)		1.1	NE	67-66-3	**0.35 J**	**0.11 J**	6.5 U	**0.1 J**	**0.12 J**	**0.11 J**
Chloromethane		3.7	NE	74-87-3	**0.27 J**	**1.3 J**	**2.5 J**	**1.4**	**1.4**	**1.2**
2-Chlorotoluene (o-Chlorotoluene)		NE	NE	95-49-8	0.83 U	0.83 U	14 U	0.83 U	0.83 U	0.83 U
Cryofluorane (Freon 114)		NE	NE	76-14-2	**0.1 J**	**0.096 J**	9.3 U	**0.085 J**	0.56 U	0.56 U
Cyclohexane		NE	NE	110-82-7	**0.25 J**	**0.25 J**	11 U	**0.13 J**	**0.21 J**	**0.23 J**
n-Decane (C10)		17.5	NE	124-18-5	**1.3 J**	**0.52 J**	39 U	**0.32 J**	**0.6 J**	**0.34 J**
Dibromochloromethane		NE	NE	124-48-1	0.68 U	0.68 UJ	11 U	0.68 U	0.68 U	0.68 U
1,2-Dibromoethane (EDB)		<1.5	NE	106-93-4	0.61 U	0.61 U	10 U	0.61 U	0.61 U	0.61 U
1,2-Dichlorobenzene (o-DCB)		<1.2	NE	95-50-1	0.48 U	0.48 U	8 U	0.48 U	0.48 U	0.48 U
1,3-Dichlorobenzene (m-DCB)		<2.4	NE	541-73-1	0.48 U	0.48 U	8 U	0.48 U	0.48 U	0.48 U
1,4-Dichlorobenzene (p-DCB)		5.5	NE	106-46-7	0.48 U	0.48 U	8 U	0.48 U	0.48 U	0.48 U
Dichlorodifluoromethane (Freon 12)		16.5	NE	75-71-8	**1.2**	**1.4 J**	**2.4 J**	**1.3**	**1.3**	**1.4**
1,1-Dichloroethane		<0.7	NE	75-34-3	**2.8**	0.32 U	5.4 U	0.32 U	0.32 U	0.32 U
1,2-Dichloroethane		<0.9	NE	107-06-2	**0.076 J**	**0.089 J**	5.4 U	**0.069 J**	**0.087 J**	**0.086 J**
1,1-Dichloroethene		<1.4	NE	75-35-4	0.16 U	0.16 U	2.6 U	0.16 U	0.16 U	0.16 U
cis-1,2-Dichloroethene		<1.9	NE	156-59-2	**0.063 J**	0.16 U	2.6 U	0.16 U	0.16 U	0.16 U
trans-1,2-Dichloroethene		NE	NE	156-60-5	0.32 U	0.32 U	5.3 U	0.32 U	0.32 U	0.32 U
1,2-Dichloropropane		<1.6	NE	78-87-5	0.37 U	0.37 U	6.2 U	0.37 U	0.37 U	0.37 U
cis-1,3-Dichloropropene		<2.3	NE	10061-01-5	0.36 U	0.36 U	6.1 U	0.36 U	0.36 U	0.36 U
trans-1,3-Dichloropropene		<1.3	NE	10061-02-6	0.36 U	0.36 U	6.1 U	0.36 U	0.36 U	0.36 U
1,4-Dioxane		NE	NE	123-91-1	0.72 U	0.72 U	12 U	0.72 U	0.72 U	0.72 U
n-Dodecane (C12)		15.9	NE	112-40-3	2.8 U	2.8 U	46 U	2.8 U	**0.45 J**	2.8 U
Ethanol		210	NE	64-17-5	**2000**	**1400**	**1600**	**16**	**2000**	**18**
4-Ethyltoluene (p-Ethyltoluene)		3.6	NE	622-96-8	**0.27 J**	**0.12 J**	13 U	0.79 U	**0.15 J**	0.79 U
n-Heptane (C7)		NE	NE	142-82-5	**0.59 J**	**0.96**	14 U	**0.26 J**	**0.33 J**	**0.24 J**
1,3-Hexachlorobutadiene (C-46)		<6.8	NE	87-68-3	0.85 U	0.85 U	14 U	0.85 U	0.85 U	0.85 U

Table 1. Soil Vapor Intrusion Investigation Analytical Results
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Greenpoint Energy Center Site
Greenpoint, NY

Analyte	Units	EPA BASE Indoor Air Concentrations 90th Percentile Range[1]	NYSDOH Air Guideline Values	Building	Facilities Building (Building 21)				Gatehouse (Building A)	
				Matrix	Soil Vapor	Indoor Air		Outdoor Air	Indoor Air	Outdoor Air
				Sample Name	GPEC-SV306	GPEC-IA 306	GPEC-XX 020421	GPEC-OA FACILITIES	GPEC-IA 327	GPEC-OA GATEHOUSE
				Sample Date	2/4/2021	2/4/2021	2/4/2021	2/4/2021	2/4/2021	2/4/2021
				Parent Sample			GPEC-IA306			
				CAS No.						
BTEX	ug/m^3									
n-Hexane (C6)		10.2	NE	110-54-3	**0.73**	**0.66 J**	12 U	**0.48 J**	**1.2**	**0.48 J**
2-Hexanone		NE	NE	591-78-6	**0.19 J**	**0.12 J**	14 U	**0.082 J**	0.82 U	0.82 U
Methyl ethyl ketone (2-Butanone)		12	NE	78-93-3	**1.6**	**2.3**	16 U	**0.78 J**	**0.81 J**	**0.46 J**
Methyl tert-butyl ether (MTBE)		11.5	NE	1634-04-4	0.58 U	0.58 U	9.6 U	0.58 U	0.58 U	0.58 U
4-Methyl-2-pentanone (MIBK)		6	NE	108-10-1	**0.23 J**	**0.24 J**	14 U	0.82 U	0.82 U	0.82 U
Methylene chloride		10	60	75-09-2	**7.8**	**13**	23 U	**1.4**	**6.1**	1.4 U
1-Methylnaphthalene		NE	NE	90-12-0	5.8 U	5.8 U	97 U	5.8 U	5.8 U	5.8 U
2-Methylnaphthalene		NE	NE	91-57-6	5.8 U	5.8 U	97 U	5.8 U	5.8 U	5.8 U
Naphthalene		5.1	NE	91-20-3	1 U	1 U	17 U	1 U	1 U	1 U
n-Nonane (C9)		7.8	NE	111-84-2	**0.59 J**	**0.29 J**	17 U	**0.2 J**	**0.23 J**	**0.18 J**
n-Octane (C8)		4.5	NE	111-65-9	**0.2 J**	**0.18 J**	12 U	**0.14 J**	**0.19 J**	**0.14 J**
Pentane		NE	NE	109-66-0	**0.68 J**	**0.92 J**	20 U	**0.72 J**	**0.98 J**	**0.93 J**
2-Propanol (Isopropyl Alcohol)		250	NE	67-63-0	**95**	**41**	**32**	**2.6**	**160**	**3.5**
Styrene		1.9	NE	100-42-5	0.34 U*+	0.34 UJ	5.7 U	0.34 U*+	0.34 U*+	0.34 U*+
1,1,2,2-Tetrachloroethane		NE	NE	79-34-5	0.55 U	0.55 U	9.2 U	0.55 U	0.55 U	0.55 U
Tetrachloroethene (PCE)		15.9	30	127-18-4	**1.2**	**0.92**	**0.95 J**	**0.38 J**	**0.46 J**	**0.33 J**
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)		NE	NE	76-13-1	**0.54 J**	**0.55 J**	10 U	**0.53 J**	**0.56 J**	**0.54 J**
1,2,4-Trichlorobenzene		<6.8	NE	120-82-1	0.59 U	0.59 U	9.9 U	0.59 U	0.59 U	0.59 U
1,1,1-Trichloroethane (TCA)		20.6	NE	71-55-6	**15**	0.44 U	7.3 U	0.44 U	0.44 U	0.44 U
1,1,2-Trichloroethane		<1.5	NE	79-00-5	0.44 U	0.44 U	7.3 U	0.44 U	0.44 U	0.44 U
Trichloroethene (TCE)		4.2	2	79-01-6	**1.1**	**1.5**	**1.6 J**	**0.036 J**	0.19 U	0.19 U
Trichlorofluoromethane (Freon 11)		18.1	NE	75-69-4	**1.3**	**1.3**	**1.2 J**	**1.2**	**1.4**	**1.3**
1,2,3-Trimethylbenzene		NE	NE	526-73-8	**0.47**	0.39 U	6.6 U	0.39 U	0.39 U	0.39 U
1,2,4-Trimethylbenzene		9.5	NE	95-63-6	**1.2**	**0.23 J**	6.6 U	**0.17 J**	**0.21 J**	**0.2 J**
1,3,5-Trimethylbenzene		3.7	NE	108-67-8	**0.43**	0.39 U	6.6 U	0.39 U	0.39 U	0.39 U
2,2,4-Trimethylpentane (iso-Octane)		NE	NE	540-84-1	**0.3 J**	**0.28 J**	16 U	**0.21 J**	**0.29 J**	**0.27 J**
n-Undecane (C11)		22.6	NE	1120-21-4	2.6 U	2.6 U	43 U	2.6 U	2.6 U	**0.37 J**
Vinyl bromide (Bromoethene)		NE	NE	593-60-2	0.35 U	0.35 U	5.8 U	0.35 U	0.35 U	0.35 U
Vinyl chloride		<1.9	NE	75-01-4	0.1 U	0.1 U	1.7 U	0.1 U	0.1 U	0.1 U

Table 1. Soil Vapor Intrusion Investigation Analytical Results
Additional Soil Vapor Intrusion Sampling Summary
Greenpoint Energy Center Site
Greenpoint, NY

Notes:

µg/m^3 = micrograms per cubic meter

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes
VOC = Volatile Organic Compound

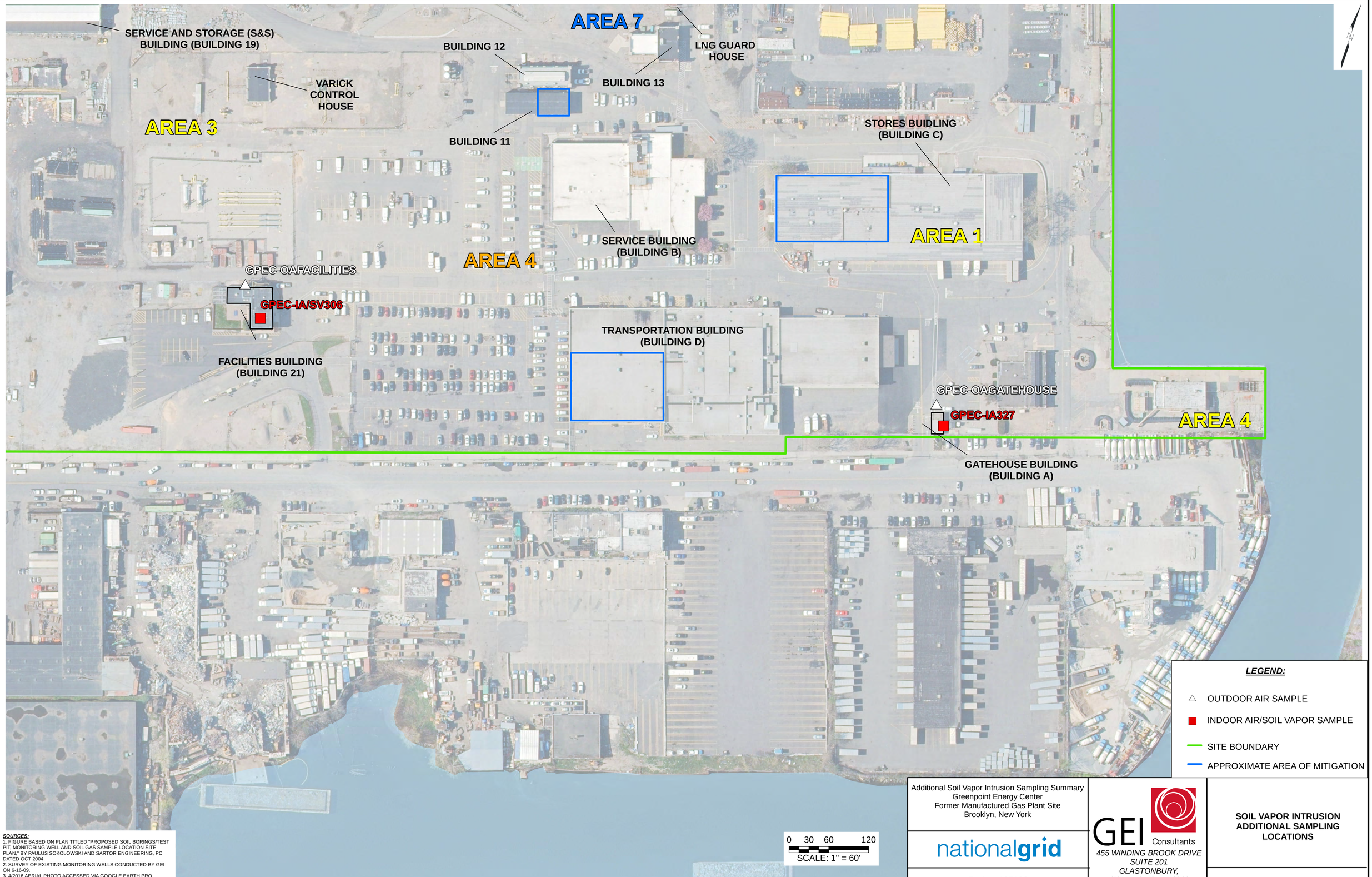
CAS No. = Chemical Abstracts Service Number
MGP = Manufactured Gas Plant

Bolding indicates a detected result concentration

Data Qualifiers:

* = The duplicate result was not within control limits.
B = The analyte was detected in the associated method blank.
C = The analyte may be biased high.
CI = The peak identified by the data system exhibited chromatographic interference that could not be resolved. There is reason to suspect there may be a high bias.
J = The result is an estimated value.
U = The result was not detected above the reporting limit.

FIGURE



SOURCES:
1. FIGURE BASED ON PLAN TITLED "PROPOSED SOIL BORINGS/TEST PIT, MONITORING WELL AND SOIL GAS SAMPLE LOCATION SITE PLAN," BY PAULUS SOKOLOWSKI AND SARTOR ENGINEERING, PC DATED OCT 2004.
2. SURVEY OF EXISTING MONITORING WELLS CONDUCTED BY GEI ON 6-16-09.
3. 4/2016 AERIAL PHOTO ACCESSED VIA GOOGLE EARTH PRO.

Additional Soil Vapor Intrusion Sampling Summary
Greenpoint Energy Center
Former Manufactured Gas Plant Site
Brooklyn, New York

nationalgrid

Project 125180

GEI Consultants
455 WINDING BROOK DRIVE
SUITE 201
GLASTONBURY,
CONNECTICUT 06033

SOIL VAPOR INTRUSION ADDITIONAL SAMPLING LOCATIONS

March 2021 Fig. 1

J:\Projects\National_Grid\Greenpoint\Phase_2_RI\SVI Workplan\SVI_Locations_Resampling_030821.mxd

ATTACHMENT 1

ANALYTICAL REPORT

Job Number: 140-21885-1

Job Description: Greenpoint Energy Center Former MGP Site

Contract Number: GEI Consultants

For:
GEI Consultants, Inc.
1000 New York Avenue
Huntington Station, NY 11746

Attention: Christopher Morris

Approved for release.
Jamie A McKinney
Senior Project Manager
2/17/2021 3:18 PM

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02/17/2021

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Definitions/Glossary

Client: GEI Consultants, Inc. Job ID: 140-21885-1
Project/Site: Greenpoint Energy Center Former MGP Site

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
B	Compound was found in the blank and sample.
CI	The peak identified by the data system exhibited chromatographic interference that could not be resolved. There is reason to suspect there may be a high bias.
E	Result exceeded calibration range.
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 Narrative
140-21885-1

Comments
No additional comments.

Receipt
The samples were received on 2/6/2021 9:15 AM; the samples arrived in good condition, and where required, properly preserved and on ice.

Air - GC/MS VOA
Methods TO 15 LL, 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 140-46753 exhibited % difference of > 30% for the following analyte(s) Bromoform and Styrene; 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 following analyte(s) recovered outside control limits for the LCS associated with analytical batch 140-46753: Styrene. This is not indicative of a systematic control problem because this was random marginal exceedance. Qualified results have been reported.

Method TO 15 LL: Although the BFB tune is flagged as outside control limits for TO-14A on batch 140-46842, the results are within limits for TO-15, which is required for this project.

Method TO 15 LL: The continuing calibration verification (CCV) associated with batch 140-46842 exhibited % difference of > 30% for the following analyte(s) Hexachlorobutadiene and Naphthalene; 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.

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

Detection Summary

Client: GEI Consultants, Inc. Job ID: 140-21885-1
Project/Site: Greenpoint Energy Center Former MGP Site

Client Sample ID: GPEC-SV306 Lab Sample ID: 140-21885-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.8		0.080	0.037	ppb v/v	1		TO 15 LL	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	0.071	J	0.080	0.0080	ppb v/v	1		TO 15 LL	Total/NA
1,1-Dichloroethane	0.70		0.080	0.0070	ppb v/v	1		TO 15 LL	Total/NA
1,2,3-Trimethylbenzene	0.096		0.080	0.036	ppb v/v	1		TO 15 LL	Total/NA
1,2,4-Trimethylbenzene	0.25		0.080	0.020	ppb v/v	1		TO 15 LL	Total/NA
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.015	J	0.080	0.012	ppb v/v	1		TO 15 LL	Total/NA
1,2-Dichloroethane	0.019	J	0.080	0.010	ppb v/v	1		TO 15 LL	Total/NA
1,3,5-Trimethylbenzene	0.088		0.080	0.022	ppb v/v	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.065	J	0.20	0.0080	ppb v/v	1		TO 15 LL	Total/NA
2-Butanone (MEK)	0.55		0.32	0.073	ppb v/v	1		TO 15 LL	Total/NA
2-Hexanone	0.046	J	0.20	0.016	ppb v/v	1		TO 15 LL	Total/NA
4-Ethyltoluene	0.054	J	0.16	0.021	ppb v/v	1		TO 15 LL	Total/NA
4-Methyl-2-pentanone (MIBK)	0.056	J	0.20	0.054	ppb v/v	1		TO 15 LL	Total/NA
Acetone	6.9	CI	2.0	0.57	ppb v/v	1		TO 15 LL	Total/NA
Benzene	0.18	B	0.080	0.0080	ppb v/v	1		TO 15 LL	Total/NA
Butane	0.82		0.16	0.083	ppb v/v	1		TO 15 LL	Total/NA
Carbon disulfide	0.058	J B	0.20	0.011	ppb v/v	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.067		0.032	0.0070	ppb v/v	1		TO 15 LL	Total/NA
Chlorobenzene	0.0099	J B	0.080	0.0060	ppb v/v	1		TO 15 LL	Total/NA
Chloroform	0.071	J	0.080	0.0070	ppb v/v	1		TO 15 LL	Total/NA
Chloromethane	0.13	J	0.20	0.066	ppb v/v	1		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	0.016	J	0.040	0.010	ppb v/v	1		TO 15 LL	Total/NA
Cyclohexane	0.072	J	0.20	0.023	ppb v/v	1		TO 15 LL	Total/NA
Decane	0.22	J	0.40	0.038	ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.25		0.080	0.014	ppb v/v	1		TO 15 LL	Total/NA
Ethanol	610	E	2.0	0.87	ppb v/v	1		TO 15 LL	Total/NA
Ethylbenzene	0.080		0.080	0.013	ppb v/v	1		TO 15 LL	Total/NA
Heptane	0.14	J	0.20	0.014	ppb v/v	1		TO 15 LL	Total/NA
Hexane	0.21		0.20	0.013	ppb v/v	1		TO 15 LL	Total/NA
Isopropyl alcohol	48	E	0.80	0.22	ppb v/v	1		TO 15 LL	Total/NA
Methylene Chloride	2.3		0.40	0.39	ppb v/v	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.29		0.080	0.029	ppb v/v	1		TO 15 LL	Total/NA
Nonane	0.11	J	0.20	0.018	ppb v/v	1		TO 15 LL	Total/NA
Octane	0.044	J	0.16	0.016	ppb v/v	1		TO 15 LL	Total/NA
o-Xylene	0.098		0.080	0.015	ppb v/v	1		TO 15 LL	Total/NA
Pentane	0.23	J	0.40	0.079	ppb v/v	1		TO 15 LL	Total/NA
tert-Butyl alcohol	0.16	J	0.32	0.088	ppb v/v	1		TO 15 LL	Total/NA
Tetrachloroethene	0.18		0.080	0.0070	ppb v/v	1		TO 15 LL	Total/NA
Toluene	1.1		0.12	0.078	ppb v/v	1		TO 15 LL	Total/NA
Trichloroethene	0.20		0.036	0.0060	ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.24		0.080	0.011	ppb v/v	1		TO 15 LL	Total/NA
Ethanol - DL	1000		50	22	ppb v/v	1		TO 15 LL	Total/NA
Isopropyl alcohol - DL	39		20	5.5	ppb v/v	1		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	15		0.44	0.20	ug/m3	1		TO 15 LL	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	0.54	J	0.61	0.061	ug/m3	1		TO 15 LL	Total/NA
1,1-Dichloroethane	2.8		0.32	0.028	ug/m3	1		TO 15 LL	Total/NA
1,2,3-Trimethylbenzene	0.47		0.39	0.18	ug/m3	1		TO 15 LL	Total/NA
1,2,4-Trimethylbenzene	1.2		0.39	0.098	ug/m3	1		TO 15 LL	Total/NA
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.10	J	0.56	0.084	ug/m3	1		TO 15 LL	Total/NA
1,2-Dichloroethane	0.076	J	0.32	0.040	ug/m3	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: GPEC-SV306 (Continued) Lab Sample ID: 140-21885-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3,5-Trimethylbenzene	0.43		0.39	0.11	ug/m3	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.30	J	0.93	0.037	ug/m3	1		TO 15 LL	Total/NA
2-Butanone (MEK)	1.6		0.94	0.22	ug/m3	1		TO 15 LL	Total/NA
2-Hexanone	0.19	J	0.82	0.066	ug/m3	1		TO 15 LL	Total/NA
4-Ethyltoluene	0.27	J	0.79	0.10	ug/m3	1		TO 15 LL	Total/NA
4-Methyl-2-pentanone (MIBK)	0.23	J	0.82	0.22	ug/m3	1		TO 15 LL	Total/NA
Acetone	16	CI	4.8	1.4	ug/m3	1		TO 15 LL	Total/NA
Benzene	0.57	B	0.26	0.026	ug/m3	1		TO 15 LL	Total/NA
Butane	2.0		0.38	0.20	ug/m3	1		TO 15 LL	Total/NA
Carbon disulfide	0.18	J B	0.62	0.034	ug/m3	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.42		0.20	0.044	ug/m3	1		TO 15 LL	Total/NA
Chlorobenzene	0.046	J B	0.37	0.028	ug/m3	1		TO 15 LL	Total/NA
Chloroform	0.35	J	0.39	0.034	ug/m3	1		TO 15 LL	Total/NA
Chloromethane	0.27	J	0.41	0.14	ug/m3	1		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	0.063	J	0.16	0.040	ug/m3	1		TO 15 LL	Total/NA
Cyclohexane	0.25	J	0.69	0.079	ug/m3	1		TO 15 LL	Total/NA
Decane	1.3	J	2.3	0.22	ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	1.2		0.40	0.069	ug/m3	1		TO 15 LL	Total/NA
Ethanol	1100	E	3.8	1.6	ug/m3	1		TO 15 LL	Total/NA
Ethylbenzene	0.35		0.35	0.056	ug/m3	1		TO 15 LL	Total/NA
Heptane	0.59	J	0.82	0.057	ug/m3	1		TO 15 LL	Total/NA
Hexane	0.73		0.70	0.046	ug/m3	1		TO 15 LL	Total/NA
Isopropyl alcohol	120	E	2.0	0.54	ug/m3	1		TO 15 LL	Total/NA
Methylene Chloride	7.8		1.4	1.4	ug/m3	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	1.3		0.35	0.13	ug/m3	1		TO 15 LL	Total/NA
Nonane	0.59	J	1.0	0.094	ug/m3	1		TO 15 LL	Total/NA
Octane	0.20	J	0.75	0.075	ug/m3	1		TO 15 LL	Total/NA
o-Xylene	0.43		0.35	0.065	ug/m3	1		TO 15 LL	Total/NA
Pentane	0.68	J	1.2	0.23	ug/m3	1		TO 15 LL	Total/NA
tert-Butyl alcohol	0.49	J	0.97	0.27	ug/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	1.2		0.54	0.047	ug/m3	1		TO 15 LL	Total/NA
Toluene	4.1		0.45	0.29	ug/m3	1		TO 15 LL	Total/NA
Trichloroethene	1.1		0.19	0.032	ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.3		0.45	0.062	ug/m3	1		TO 15 LL	Total/NA
Ethanol - DL	2000		94	41	ug/m3	1		TO 15 LL	Total/NA
Isopropyl alcohol - DL	95		49	14	ug/m3	1		TO 15 LL	Total/NA

Client Sample ID: GPEC-IA 306 Lab Sample ID: 140-21885-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.072	J	0.080	0.0080	ppb v/v	1		TO 15 LL	Total/NA
1,2,4-Trimethylbenzene	0.048	J	0.080	0.020	ppb v/v	1		TO 15 LL	Total/NA
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.014	J	0.080	0.012	ppb v/v	1		TO 15 LL	Total/NA
1,2-Dichloroethane	0.022	J	0.080	0.010	ppb v/v	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.061	J	0.20	0.0080	ppb v/v	1		TO 15 LL	Total/NA
2-Butanone (MEK)	0.78		0.32	0.073	ppb v/v	1		TO 15 LL	Total/NA
2-Hexanone	0.029	J	0.20	0.016	ppb v/v	1		TO 15 LL	Total/NA
4-Ethyltoluene	0.024	J	0.16	0.021	ppb v/v	1		TO 15 LL	Total/NA
4-Methyl-2-pentanone (MIBK)	0.060	J	0.20	0.054	ppb v/v	1		TO 15 LL	Total/NA
Acetone	15	CI	2.0	0.57	ppb v/v	1		TO 15 LL	Total/NA
Benzene	0.21	B	0.080	0.0080	ppb v/v	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: GPEC-IA 306 (Continued) Lab Sample ID: 140-21885-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Butane	6.1		0.16	0.083	ppb v/v	1		TO 15 LL	Total/NA
Carbon disulfide	0.047	J B	0.20	0.011	ppb v/v	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.078		0.032	0.0070	ppb v/v	1		TO 15 LL	Total/NA
Chlorobenzene	0.0067	J B	0.080	0.0060	ppb v/v	1		TO 15 LL	Total/NA
Chloroform	0.023	J	0.080	0.0070	ppb v/v	1		TO 15 LL	Total/NA
Chloromethane	0.64		0.20	0.066	ppb v/v	1		TO 15 LL	Total/NA
Cyclohexane	0.072	J	0.20	0.023	ppb v/v	1		TO 15 LL	Total/NA
Decane	0.089	J	0.40	0.038	ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.28		0.080	0.014	ppb v/v	1		TO 15 LL	Total/NA
Ethanol	470	E	2.0	0.87	ppb v/v	1		TO 15 LL	Total/NA
Ethylbenzene	0.083		0.080	0.013	ppb v/v	1		TO 15 LL	Total/NA
Heptane	0.23		0.20	0.014	ppb v/v	1		TO 15 LL	Total/NA
Hexane	0.19	J	0.20	0.013	ppb v/v	1		TO 15 LL	Total/NA
Isopropyl alcohol	17		0.80	0.22	ppb v/v	1		TO 15 LL	Total/NA
Methylene Chloride	3.7		0.40	0.39	ppb v/v	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.33		0.080	0.029	ppb v/v	1		TO 15 LL	Total/NA
Nonane	0.056	J	0.20	0.018	ppb v/v	1		TO 15 LL	Total/NA
Octane	0.038	J	0.16	0.016	ppb v/v	1		TO 15 LL	Total/NA
o-Xylene	0.10		0.080	0.015	ppb v/v	1		TO 15 LL	Total/NA
Pentane	0.31	J	0.40	0.079	ppb v/v	1		TO 15 LL	Total/NA
tert-Butyl alcohol	0.11	J	0.32	0.088	ppb v/v	1		TO 15 LL	Total/NA
Tetrachloroethene	0.14		0.080	0.0070	ppb v/v	1		TO 15 LL	Total/NA
Toluene	1.3		0.12	0.078	ppb v/v	1		TO 15 LL	Total/NA
Trichloroethene	0.28		0.036	0.0060	ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.24		0.080	0.011	ppb v/v	1		TO 15 LL	Total/NA
Ethanol - DL	750		25	11	ppb v/v	1		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.55	J	0.61	0.061	ug/m3	1		TO 15 LL	Total/NA
1,2,4-Trimethylbenzene	0.23	J	0.39	0.098	ug/m3	1		TO 15 LL	Total/NA
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.096	J	0.56	0.084	ug/m3	1		TO 15 LL	Total/NA
1,2-Dichloroethane	0.089	J	0.32	0.040	ug/m3	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.28	J	0.93	0.037	ug/m3	1		TO 15 LL	Total/NA
2-Butanone (MEK)	2.3		0.94	0.22	ug/m3	1		TO 15 LL	Total/NA
2-Hexanone	0.12	J	0.82	0.066	ug/m3	1		TO 15 LL	Total/NA
4-Ethyltoluene	0.12	J	0.79	0.10	ug/m3	1		TO 15 LL	Total/NA
4-Methyl-2-pentanone (MIBK)	0.24	J	0.82	0.22	ug/m3	1		TO 15 LL	Total/NA
Acetone	35	CI	4.8	1.4	ug/m3	1		TO 15 LL	Total/NA
Benzene	0.68	B	0.26	0.026	ug/m3	1		TO 15 LL	Total/NA
Butane	15		0.38	0.20	ug/m3	1		TO 15 LL	Total/NA
Carbon disulfide	0.15	J B	0.62	0.034	ug/m3	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.49		0.20	0.044	ug/m3	1		TO 15 LL	Total/NA
Chlorobenzene	0.031	J B	0.37	0.028	ug/m3	1		TO 15 LL	Total/NA
Chloroform	0.11	J	0.39	0.034	ug/m3	1		TO 15 LL	Total/NA
Chloromethane	1.3		0.41	0.14	ug/m3	1		TO 15 LL	Total/NA
Cyclohexane	0.25	J	0.69	0.079	ug/m3	1		TO 15 LL	Total/NA
Decane	0.52	J	2.3	0.22	ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	1.4		0.40	0.069	ug/m3	1		TO 15 LL	Total/NA
Ethanol	890	E	3.8	1.6	ug/m3	1		TO 15 LL	Total/NA
Ethylbenzene	0.36		0.35	0.056	ug/m3	1		TO 15 LL	Total/NA
Heptane	0.96		0.82	0.057	ug/m3	1		TO 15 LL	Total/NA
Hexane	0.66	J	0.70	0.046	ug/m3	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: GPEC-IA 306 (Continued) Lab Sample ID: 140-21885-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropyl alcohol	41		2.0	0.54	ug/m3	1		TO 15 LL	Total/NA
Methylene Chloride	13		1.4	1.4	ug/m3	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	1.4		0.35	0.13	ug/m3	1		TO 15 LL	Total/NA
Nonane	0.29	J	1.0	0.094	ug/m3	1		TO 15 LL	Total/NA
Octane	0.18	J	0.75	0.075	ug/m3	1		TO 15 LL	Total/NA
o-Xylene	0.44		0.35	0.065	ug/m3	1		TO 15 LL	Total/NA
Pentane	0.92	J	1.2	0.23	ug/m3	1		TO 15 LL	Total/NA
tert-Butyl alcohol	0.35	J	0.97	0.27	ug/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	0.92		0.54	0.047	ug/m3	1		TO 15 LL	Total/NA
Toluene	4.9		0.45	0.29	ug/m3	1		TO 15 LL	Total/NA
Trichloroethene	1.5		0.19	0.032	ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.3		0.45	0.062	ug/m3	1		TO 15 LL	Total/NA
Ethanol - DL	1400		47	20	ug/m3	1		TO 15 LL	Total/NA

Client Sample ID: GPEC-OA FACILITIES Lab Sample ID: 140-21885-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.069	J	0.080	0.0080	ppb v/v	1		TO 15 LL	Total/NA
1,2,4-Trimethylbenzene	0.034	J	0.080	0.020	ppb v/v	1		TO 15 LL	Total/NA
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.012	J	0.080	0.012	ppb v/v	1		TO 15 LL	Total/NA
1,2-Dichloroethane	0.017	J	0.080	0.010	ppb v/v	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.045	J	0.20	0.0080	ppb v/v	1		TO 15 LL	Total/NA
2-Butanone (MEK)	0.27	J	0.32	0.073	ppb v/v	1		TO 15 LL	Total/NA
2-Hexanone	0.020	J	0.20	0.016	ppb v/v	1		TO 15 LL	Total/NA
Acetone	3.3	CI	2.0	0.57	ppb v/v	1		TO 15 LL	Total/NA
Benzene	0.17	B	0.080	0.0080	ppb v/v	1		TO 15 LL	Total/NA
Butane	1.0		0.16	0.083	ppb v/v	1		TO 15 LL	Total/NA
Carbon disulfide	0.033	J B	0.20	0.011	ppb v/v	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.073		0.032	0.0070	ppb v/v	1		TO 15 LL	Total/NA
Chloroform	0.020	J	0.080	0.0070	ppb v/v	1		TO 15 LL	Total/NA
Chloromethane	0.69		0.20	0.066	ppb v/v	1		TO 15 LL	Total/NA
Cyclohexane	0.039	J	0.20	0.023	ppb v/v	1		TO 15 LL	Total/NA
Decane	0.055	J	0.40	0.038	ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.27		0.080	0.014	ppb v/v	1		TO 15 LL	Total/NA
Ethanol	8.8		2.0	0.87	ppb v/v	1		TO 15 LL	Total/NA
Ethylbenzene	0.052	J	0.080	0.013	ppb v/v	1		TO 15 LL	Total/NA
Heptane	0.062	J	0.20	0.014	ppb v/v	1		TO 15 LL	Total/NA
Hexane	0.14	J	0.20	0.013	ppb v/v	1		TO 15 LL	Total/NA
Isopropyl alcohol	1.0		0.80	0.22	ppb v/v	1		TO 15 LL	Total/NA
Methylene Chloride	0.41		0.40	0.39	ppb v/v	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.18		0.080	0.029	ppb v/v	1		TO 15 LL	Total/NA
Nonane	0.039	J	0.20	0.018	ppb v/v	1		TO 15 LL	Total/NA
Octane	0.029	J	0.16	0.016	ppb v/v	1		TO 15 LL	Total/NA
o-Xylene	0.060	J	0.080	0.015	ppb v/v	1		TO 15 LL	Total/NA
Pentane	0.24	J	0.40	0.079	ppb v/v	1		TO 15 LL	Total/NA
Tetrachloroethene	0.056	J	0.080	0.0070	ppb v/v	1		TO 15 LL	Total/NA
Toluene	0.46		0.12	0.078	ppb v/v	1		TO 15 LL	Total/NA
Trichloroethene	0.0067	J	0.036	0.0060	ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.22		0.080	0.011	ppb v/v	1		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.53	J	0.61	0.061	ug/m3	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: GPEC-OA FACILITIES (Continued) Lab Sample ID: 140-21885-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.17	J	0.39	0.098	ug/m3	1		TO 15 LL	Total/NA
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.085	J	0.56	0.084	ug/m3	1		TO 15 LL	Total/NA
1,2-Dichloroethane	0.069	J	0.32	0.040	ug/m3	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.21	J	0.93	0.037	ug/m3	1		TO 15 LL	Total/NA
2-Butanone (MEK)	0.78	J	0.94	0.22	ug/m3	1		TO 15 LL	Total/NA
2-Hexanone	0.082	J	0.82	0.066	ug/m3	1		TO 15 LL	Total/NA
Acetone	7.8	CI	4.8	1.4	ug/m3	1		TO 15 LL	Total/NA
Benzene	0.53	B	0.26	0.026	ug/m3	1		TO 15 LL	Total/NA
Butane	2.4		0.38	0.20	ug/m3	1		TO 15 LL	Total/NA
Carbon disulfide	0.10	J B	0.62	0.034	ug/m3	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.46		0.20	0.044	ug/m3	1		TO 15 LL	Total/NA
Chloroform	0.10	J	0.39	0.034	ug/m3	1		TO 15 LL	Total/NA
Chloromethane	1.4		0.41	0.14	ug/m3	1		TO 15 LL	Total/NA
Cyclohexane	0.13	J	0.69	0.079	ug/m3	1		TO 15 LL	Total/NA
Decane	0.32	J	2.3	0.22	ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	1.3		0.40	0.069	ug/m3	1		TO 15 LL	Total/NA
Ethanol	16		3.8	1.6	ug/m3	1		TO 15 LL	Total/NA
Ethylbenzene	0.23	J	0.35	0.056	ug/m3	1		TO 15 LL	Total/NA
Heptane	0.26	J	0.82	0.057	ug/m3	1		TO 15 LL	Total/NA
Hexane	0.48	J	0.70	0.046	ug/m3	1		TO 15 LL	Total/NA
Isopropyl alcohol	2.6		2.0	0.54	ug/m3	1		TO 15 LL	Total/NA
Methylene Chloride	1.4		1.4	1.4	ug/m3	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.80		0.35	0.13	ug/m3	1		TO 15 LL	Total/NA
Nonane	0.20	J	1.0	0.094	ug/m3	1		TO 15 LL	Total/NA
Octane	0.14	J	0.75	0.075	ug/m3	1		TO 15 LL	Total/NA
o-Xylene	0.26	J	0.35	0.065	ug/m3	1		TO 15 LL	Total/NA
Pentane	0.72	J	1.2	0.23	ug/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	0.38	J	0.54	0.047	ug/m3	1		TO 15 LL	Total/NA
Toluene	1.7		0.45	0.29	ug/m3	1		TO 15 LL	Total/NA
Trichloroethene	0.036	J	0.19	0.032	ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.2		0.45	0.062	ug/m3	1		TO 15 LL	Total/NA

Client Sample ID: GPEC-IA 327 Lab Sample ID: 140-21885-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.074	J	0.080	0.0080	ppb v/v	1		TO 15 LL	Total/NA
1,2,4-Trimethylbenzene	0.043	J	0.080	0.020	ppb v/v	1		TO 15 LL	Total/NA
1,2-Dichloroethane	0.021	J	0.080	0.010	ppb v/v	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.063	J	0.20	0.0080	ppb v/v	1		TO 15 LL	Total/NA
2-Butanone (MEK)	0.28	J	0.32	0.073	ppb v/v	1		TO 15 LL	Total/NA
4-Ethyltoluene	0.031	J	0.16	0.021	ppb v/v	1		TO 15 LL	Total/NA
Acetone	25		2.0	0.57	ppb v/v	1		TO 15 LL	Total/NA
Benzene	0.20	B	0.080	0.0080	ppb v/v	1		TO 15 LL	Total/NA
Bromomethane	0.025	J	0.080	0.022	ppb v/v	1		TO 15 LL	Total/NA
Butane	1.4		0.16	0.083	ppb v/v	1		TO 15 LL	Total/NA
Carbon disulfide	0.036	J B	0.20	0.011	ppb v/v	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.078		0.032	0.0070	ppb v/v	1		TO 15 LL	Total/NA
Chlorobenzene	0.0094	J B	0.080	0.0060	ppb v/v	1		TO 15 LL	Total/NA
Chloroform	0.024	J	0.080	0.0070	ppb v/v	1		TO 15 LL	Total/NA
Chloromethane	0.70		0.20	0.066	ppb v/v	1		TO 15 LL	Total/NA
Cyclohexane	0.061	J	0.20	0.023	ppb v/v	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: GPEC-IA 327 (Continued) Lab Sample ID: 140-21885-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Decane	0.10	J	0.40	0.038	ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.26		0.080	0.014	ppb v/v	1		TO 15 LL	Total/NA
Dodecane	0.065	J	0.40	0.064	ppb v/v	1		TO 15 LL	Total/NA
Ethanol	610	E	2.0	0.87	ppb v/v	1		TO 15 LL	Total/NA
Ethylbenzene	0.063	J	0.080	0.013	ppb v/v	1		TO 15 LL	Total/NA
Heptane	0.080	J	0.20	0.014	ppb v/v	1		TO 15 LL	Total/NA
Hexane	0.33		0.20	0.013	ppb v/v	1		TO 15 LL	Total/NA
Isopropyl alcohol	75	E	0.80	0.22	ppb v/v	1		TO 15 LL	Total/NA
Methylene Chloride	1.8		0.40	0.39	ppb v/v	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.22		0.080	0.029	ppb v/v	1		TO 15 LL	Total/NA
Nonane	0.045	J	0.20	0.018	ppb v/v	1		TO 15 LL	Total/NA
Octane	0.041	J	0.16	0.016	ppb v/v	1		TO 15 LL	Total/NA
o-Xylene	0.082		0.080	0.015	ppb v/v	1		TO 15 LL	Total/NA
Pentane	0.33	J	0.40	0.079	ppb v/v	1		TO 15 LL	Total/NA
tert-Butyl alcohol	0.35		0.32	0.088	ppb v/v	1		TO 15 LL	Total/NA
Tetrachloroethene	0.067	J	0.080	0.0070	ppb v/v	1		TO 15 LL	Total/NA
Toluene	0.59		0.12	0.078	ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.25		0.080	0.011	ppb v/v	1		TO 15 LL	Total/NA
Ethanol - DL	1100		40	17	ppb v/v	1		TO 15 LL	Total/NA
Isopropyl alcohol - DL	65		16	4.4	ppb v/v	1		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.56	J	0.61	0.061	ug/m3	1		TO 15 LL	Total/NA
1,2,4-Trimethylbenzene	0.21	J	0.39	0.098	ug/m3	1		TO 15 LL	Total/NA
1,2-Dichloroethane	0.087	J	0.32	0.040	ug/m3	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.29	J	0.93	0.037	ug/m3	1		TO 15 LL	Total/NA
2-Butanone (MEK)	0.81	J	0.94	0.22	ug/m3	1		TO 15 LL	Total/NA
4-Ethyltoluene	0.15	J	0.79	0.10	ug/m3	1		TO 15 LL	Total/NA
Acetone	59		4.8	1.4	ug/m3	1		TO 15 LL	Total/NA
Benzene	0.63	B	0.26	0.026	ug/m3	1		TO 15 LL	Total/NA
Bromomethane	0.095	J	0.31	0.085	ug/m3	1		TO 15 LL	Total/NA
Butane	3.4		0.38	0.20	ug/m3	1		TO 15 LL	Total/NA
Carbon disulfide	0.11	J B	0.62	0.034	ug/m3	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.49		0.20	0.044	ug/m3	1		TO 15 LL	Total/NA
Chlorobenzene	0.043	J B	0.37	0.028	ug/m3	1		TO 15 LL	Total/NA
Chloroform	0.12	J	0.39	0.034	ug/m3	1		TO 15 LL	Total/NA
Chloromethane	1.4		0.41	0.14	ug/m3	1		TO 15 LL	Total/NA
Cyclohexane	0.21	J	0.69	0.079	ug/m3	1		TO 15 LL	Total/NA
Decane	0.60	J	2.3	0.22	ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	1.3		0.40	0.069	ug/m3	1		TO 15 LL	Total/NA
Dodecane	0.45	J	2.8	0.45	ug/m3	1		TO 15 LL	Total/NA
Ethanol	1200	E	3.8	1.6	ug/m3	1		TO 15 LL	Total/NA
Ethylbenzene	0.28	J	0.35	0.056	ug/m3	1		TO 15 LL	Total/NA
Heptane	0.33	J	0.82	0.057	ug/m3	1		TO 15 LL	Total/NA
Hexane	1.2		0.70	0.046	ug/m3	1		TO 15 LL	Total/NA
Isopropyl alcohol	190	E	2.0	0.54	ug/m3	1		TO 15 LL	Total/NA
Methylene Chloride	6.1		1.4	1.4	ug/m3	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.97		0.35	0.13	ug/m3	1		TO 15 LL	Total/NA
Nonane	0.23	J	1.0	0.094	ug/m3	1		TO 15 LL	Total/NA
Octane	0.19	J	0.75	0.075	ug/m3	1		TO 15 LL	Total/NA
o-Xylene	0.36		0.35	0.065	ug/m3	1		TO 15 LL	Total/NA
Pentane	0.98	J	1.2	0.23	ug/m3	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: GPEC-IA 327 (Continued) Lab Sample ID: 140-21885-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
tert-Butyl alcohol	1.0		0.97	0.27	ug/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	0.46	J	0.54	0.047	ug/m3	1		TO 15 LL	Total/NA
Toluene	2.2		0.45	0.29	ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.4		0.45	0.062	ug/m3	1		TO 15 LL	Total/NA
Ethanol - DL	2000		75	33	ug/m3	1		TO 15 LL	Total/NA
Isopropyl alcohol - DL	160		39	11	ug/m3	1		TO 15 LL	Total/NA

Client Sample ID: GPEC-OA GATEHOUSE Lab Sample ID: 140-21885-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.071	J	0.080	0.0080	ppb v/v	1		TO 15 LL	Total/NA
1,2,4-Trimethylbenzene	0.041	J	0.080	0.020	ppb v/v	1		TO 15 LL	Total/NA
1,2-Dichloroethane	0.021	J	0.080	0.010	ppb v/v	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.057	J	0.20	0.0080	ppb v/v	1		TO 15 LL	Total/NA
2-Butanone (MEK)	0.16	J	0.32	0.073	ppb v/v	1		TO 15 LL	Total/NA
Acetone	1.9	J	2.0	0.57	ppb v/v	1		TO 15 LL	Total/NA
Benzene	0.19	B	0.080	0.0080	ppb v/v	1		TO 15 LL	Total/NA
Butane	1.1		0.16	0.083	ppb v/v	1		TO 15 LL	Total/NA
Carbon disulfide	0.036	J B	0.20	0.011	ppb v/v	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.076		0.032	0.0070	ppb v/v	1		TO 15 LL	Total/NA
Chlorobenzene	0.0072	J B	0.080	0.0060	ppb v/v	1		TO 15 LL	Total/NA
Chloroform	0.022	J	0.080	0.0070	ppb v/v	1		TO 15 LL	Total/NA
Chloromethane	0.57		0.20	0.066	ppb v/v	1		TO 15 LL	Total/NA
Cyclohexane	0.068	J	0.20	0.023	ppb v/v	1		TO 15 LL	Total/NA
Decane	0.058	J	0.40	0.038	ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.29		0.080	0.014	ppb v/v	1		TO 15 LL	Total/NA
Ethanol	9.7		2.0	0.87	ppb v/v	1		TO 15 LL	Total/NA
Ethylbenzene	0.053	J	0.080	0.013	ppb v/v	1		TO 15 LL	Total/NA
Heptane	0.060	J	0.20	0.014	ppb v/v	1		TO 15 LL	Total/NA
Hexane	0.13	J	0.20	0.013	ppb v/v	1		TO 15 LL	Total/NA
Isopropyl alcohol	1.4		0.80	0.22	ppb v/v	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.19		0.080	0.029	ppb v/v	1		TO 15 LL	Total/NA
Nonane	0.035	J	0.20	0.018	ppb v/v	1		TO 15 LL	Total/NA
Octane	0.030	J	0.16	0.016	ppb v/v	1		TO 15 LL	Total/NA
o-Xylene	0.076	J	0.080	0.015	ppb v/v	1		TO 15 LL	Total/NA
Pentane	0.32	J	0.40	0.079	ppb v/v	1		TO 15 LL	Total/NA
Tetrachloroethene	0.049	J	0.080	0.0070	ppb v/v	1		TO 15 LL	Total/NA
Toluene	0.47		0.12	0.078	ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.24		0.080	0.011	ppb v/v	1		TO 15 LL	Total/NA
Undecane	0.058	J	0.40	0.048	ppb v/v	1		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	0.54	J	0.61	0.061	ug/m3	1		TO 15 LL	Total/NA
1,2,4-Trimethylbenzene	0.20	J	0.39	0.098	ug/m3	1		TO 15 LL	Total/NA
1,2-Dichloroethane	0.086	J	0.32	0.040	ug/m3	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	0.27	J	0.93	0.037	ug/m3	1		TO 15 LL	Total/NA
2-Butanone (MEK)	0.46	J	0.94	0.22	ug/m3	1		TO 15 LL	Total/NA
Acetone	4.4	J	4.8	1.4	ug/m3	1		TO 15 LL	Total/NA
Benzene	0.60	B	0.26	0.026	ug/m3	1		TO 15 LL	Total/NA
Butane	2.7		0.38	0.20	ug/m3	1		TO 15 LL	Total/NA
Carbon disulfide	0.11	J B	0.62	0.034	ug/m3	1		TO 15 LL	Total/NA
Carbon tetrachloride	0.48		0.20	0.044	ug/m3	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: GPEC-OA GATEHOUSE (Continued) Lab Sample ID: 140-21885-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	0.033	J B	0.37	0.028	ug/m3	1		TO 15 LL	Total/NA
Chloroform	0.11	J	0.39	0.034	ug/m3	1		TO 15 LL	Total/NA
Chloromethane	1.2		0.41	0.14	ug/m3	1		TO 15 LL	Total/NA
Cyclohexane	0.23	J	0.69	0.079	ug/m3	1		TO 15 LL	Total/NA
Decane	0.34	J	2.3	0.22	ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	1.4		0.40	0.069	ug/m3	1		TO 15 LL	Total/NA
Ethanol	18		3.8	1.6	ug/m3	1		TO 15 LL	Total/NA
Ethylbenzene	0.23	J	0.35	0.056	ug/m3	1		TO 15 LL	Total/NA
Heptane	0.24	J	0.82	0.057	ug/m3	1		TO 15 LL	Total/NA
Hexane	0.48	J	0.70	0.046	ug/m3	1		TO 15 LL	Total/NA
Isopropyl alcohol	3.5		2.0	0.54	ug/m3	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	0.81		0.35	0.13	ug/m3	1		TO 15 LL	Total/NA
Nonane	0.18	J	1.0	0.094	ug/m3	1		TO 15 LL	Total/NA
Octane	0.14	J	0.75	0.075	ug/m3	1		TO 15 LL	Total/NA
o-Xylene	0.33	J	0.35	0.065	ug/m3	1		TO 15 LL	Total/NA
Pentane	0.93	J	1.2	0.23	ug/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	0.33	J	0.54	0.047	ug/m3	1		TO 15 LL	Total/NA
Toluene	1.8		0.45	0.29	ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.3		0.45	0.062	ug/m3	1		TO 15 LL	Total/NA
Undecane	0.37	J	2.6	0.31	ug/m3	1		TO 15 LL	Total/NA

Client Sample ID: GPEC-XX 020421 Lab Sample ID: 140-21885-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17	J	33	9.5	ppb v/v	1		TO 15 LL	Total/NA
Benzene	0.27	J	1.3	0.13	ppb v/v	1		TO 15 LL	Total/NA
Butane	6.8		2.7	1.4	ppb v/v	1		TO 15 LL	Total/NA
Chloromethane	1.2	J	3.3	1.1	ppb v/v	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	0.49	J	1.3	0.23	ppb v/v	1		TO 15 LL	Total/NA
Ethanol	830		33	15	ppb v/v	1		TO 15 LL	Total/NA
Isopropyl alcohol	13		13	3.7	ppb v/v	1		TO 15 LL	Total/NA
Tetrachloroethene	0.14	J	1.3	0.12	ppb v/v	1		TO 15 LL	Total/NA
Trichloroethene	0.29	J	0.60	0.10	ppb v/v	1		TO 15 LL	Total/NA
Trichlorofluoromethane	0.22	J	1.3	0.18	ppb v/v	1		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	40	J	79	23	ug/m3	1		TO 15 LL	Total/NA
Benzene	0.87	J	4.3	0.43	ug/m3	1		TO 15 LL	Total/NA
Butane	16		6.3	3.3	ug/m3	1		TO 15 LL	Total/NA
Chloromethane	2.5	J	6.9	2.3	ug/m3	1		TO 15 LL	Total/NA
Dichlorodifluoromethane	2.4	J	6.6	1.2	ug/m3	1		TO 15 LL	Total/NA
Ethanol	1600		63	27	ug/m3	1		TO 15 LL	Total/NA
Isopropyl alcohol	32		33	9.0	ug/m3	1		TO 15 LL	Total/NA
Tetrachloroethene	0.95	J	9.0	0.79	ug/m3	1		TO 15 LL	Total/NA
Trichloroethene	1.6	J	3.2	0.54	ug/m3	1		TO 15 LL	Total/NA
Trichlorofluoromethane	1.2	J	7.5	1.0	ug/m3	1		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: GPEC-SV306 Lab Sample ID: 140-21885-1

Date Collected: 02/04/21 15:02 **Matrix: Air**
Date Received: 02/06/21 09:15
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	**2.8**		0.080	0.037	ppb v/v			02/10/21 03:11	1
1,1,2,2-Tetrachloroethane	ND		0.080	0.014	ppb v/v			02/10/21 03:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.071**	**J**	0.080	0.0080	ppb v/v			02/10/21 03:11	1
1,1,2-Trichloroethane	ND		0.080	0.0070	ppb v/v			02/10/21 03:11	1
1,1-Dichloroethane	**0.70**		0.080	0.0070	ppb v/v			02/10/21 03:11	1
1,1-Dichloroethene	ND		0.040	0.0080	ppb v/v			02/10/21 03:11	1
1,2,3-Trimethylbenzene	**0.096**		0.080	0.036	ppb v/v			02/10/21 03:11	1
1,2,4-Trichlorobenzene	ND		0.080	0.064	ppb v/v			02/10/21 03:11	1
1,2,4-Trimethylbenzene	**0.25**		0.080	0.020	ppb v/v			02/10/21 03:11	1
1,2-Dibromoethane (EDB)	ND		0.080	0.0070	ppb v/v			02/10/21 03:11	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**0.015**	**J**	0.080	0.012	ppb v/v			02/10/21 03:11	1
1,2-Dichlorobenzene	ND		0.080	0.031	ppb v/v			02/10/21 03:11	1
1,2-Dichloroethane	**0.019**	**J**	0.080	0.010	ppb v/v			02/10/21 03:11	1
1,2-Dichloropropane	ND		0.080	0.010	ppb v/v			02/10/21 03:11	1
1,3,5-Trimethylbenzene	**0.088**		0.080	0.022	ppb v/v			02/10/21 03:11	1
1,3-Butadiene	ND		0.16	0.019	ppb v/v			02/10/21 03:11	1
1,3-Dichlorobenzene	ND		0.080	0.016	ppb v/v			02/10/21 03:11	1
1,4-Dichlorobenzene	ND		0.080	0.016	ppb v/v			02/10/21 03:11	1
1,4-Dioxane	ND		0.20	0.030	ppb v/v			02/10/21 03:11	1
1-Methylnaphthalene	ND		1.0	0.26	ppb v/v			02/10/21 03:11	1
2,2,4-Trimethylpentane	**0.065**	**J**	0.20	0.0080	ppb v/v			02/10/21 03:11	1
2-Butanone (MEK)	**0.55**		0.32	0.073	ppb v/v			02/10/21 03:11	1
2-Chlorotoluene	ND		0.16	0.016	ppb v/v			02/10/21 03:11	1
2-Hexanone	**0.046**	**J**	0.20	0.016	ppb v/v			02/10/21 03:11	1
2-Methylnaphthalene	ND		1.0	0.27	ppb v/v			02/10/21 03:11	1
3-Chloropropene	ND		0.080	0.023	ppb v/v			02/10/21 03:11	1
4-Ethyltoluene	**0.054**	**J**	0.16	0.021	ppb v/v			02/10/21 03:11	1
4-Methyl-2-pentanone (MIBK)	**0.056**	**J**	0.20	0.054	ppb v/v			02/10/21 03:11	1
Acetone	**6.9**	**CI**	2.0	0.57	ppb v/v			02/10/21 03:11	1
Benzene	**0.18**	**B**	0.080	0.0080	ppb v/v			02/10/21 03:11	1
Benzyl chloride	ND		0.16	0.038	ppb v/v			02/10/21 03:11	1
Bromodichloromethane	ND		0.080	0.018	ppb v/v			02/10/21 03:11	1
Bromoform	ND		0.080	0.0090	ppb v/v			02/10/21 03:11	1
Bromomethane	ND		0.080	0.022	ppb v/v			02/10/21 03:11	1
Butane	**0.82**		0.16	0.083	ppb v/v			02/10/21 03:11	1
Carbon disulfide	**0.058**	**J B**	0.20	0.011	ppb v/v			02/10/21 03:11	1
Carbon tetrachloride	**0.067**		0.032	0.0070	ppb v/v			02/10/21 03:11	1
Chlorobenzene	**0.0099**	**J B**	0.080	0.0060	ppb v/v			02/10/21 03:11	1
Chloroethane	ND		0.080	0.029	ppb v/v			02/10/21 03:11	1
Chloroform	**0.071**	**J**	0.080	0.0070	ppb v/v			02/10/21 03:11	1
Chloromethane	**0.13**	**J**	0.20	0.066	ppb v/v			02/10/21 03:11	1
cis-1,2-Dichloroethene	**0.016**	**J**	0.040	0.010	ppb v/v			02/10/21 03:11	1
cis-1,3-Dichloropropene	ND		0.080	0.016	ppb v/v			02/10/21 03:11	1
Cyclohexane	**0.072**	**J**	0.20	0.023	ppb v/v			02/10/21 03:11	1
Decane	**0.22**	**J**	0.40	0.038	ppb v/v			02/10/21 03:11	1
Dibromochloromethane	ND		0.080	0.0070	ppb v/v			02/10/21 03:11	1
Dichlorodifluoromethane	**0.25**		0.080	0.014	ppb v/v			02/10/21 03:11	1

Client Sample ID: GPEC-SV306 Lab Sample ID: 140-21885-1

Date Collected: 02/04/21 15:02 **Matrix: Air**
Date Received: 02/06/21 09:15
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
Dodecane	ND		0.40	0.064	ppb v/v			02/10/21 03:11	1
Ethanol	**610**	**E**	2.0	0.87	ppb v/v			02/10/21 03:11	1
Ethylbenzene	**0.080**		0.080	0.013	ppb v/v			02/10/21 03:11	1
Heptane	**0.14**	**J**	0.20	0.014	ppb v/v			02/10/21 03:11	1
Hexachlorobutadiene	ND		0.080	0.032	ppb v/v			02/10/21 03:11	1
Hexane	**0.21**		0.20	0.013	ppb v/v			02/10/21 03:11	1
Isopropyl alcohol	**48**	**E**	0.80	0.22	ppb v/v			02/10/21 03:11	1
Methyl tert-butyl ether	ND		0.16	0.052	ppb v/v			02/10/21 03:11	1
Methylene Chloride	**2.3**		0.40	0.39	ppb v/v			02/10/21 03:11	1
m-Xylene & p-Xylene	**0.29**		0.080	0.029	ppb v/v			02/10/21 03:11	1
Naphthalene	ND		0.20	0.076	ppb v/v			02/10/21 03:11	1
Nonane	**0.11**	**J**	0.20	0.018	ppb v/v			02/10/21 03:11	1
Octane	**0.044**	**J**	0.16	0.016	ppb v/v			02/10/21 03:11	1
o-Xylene	**0.098**		0.080	0.015	ppb v/v			02/10/21 03:11	1
Pentane	**0.23**	**J**	0.40	0.079	ppb v/v			02/10/21 03:11	1
Styrene	ND	*+	0.080	0.024	ppb v/v			02/10/21 03:11	1
tert-Butyl alcohol	**0.16**	**J**	0.32	0.088	ppb v/v			02/10/21 03:11	1
Tetrachloroethene	**0.18**		0.080	0.0070	ppb v/v			02/10/21 03:11	1
Toluene	**1.1**		0.12	0.078	ppb v/v			02/10/21 03:11	1
trans-1,2-Dichloroethene	ND		0.080	0.0070	ppb v/v			02/10/21 03:11	1
trans-1,3-Dichloropropene	ND		0.080	0.0090	ppb v/v			02/10/21 03:11	1
Trichloroethene	**0.20**		0.036	0.0060	ppb v/v			02/10/21 03:11	1
Trichlorofluoromethane	**0.24**		0.080	0.011	ppb v/v			02/10/21 03:11	1
Undecane	ND		0.40	0.048	ppb v/v			02/10/21 03:11	1
Vinyl bromide	ND		0.080	0.020	ppb v/v			02/10/21 03:11	1
Vinyl chloride	ND		0.040	0.026	ppb v/v			02/10/21 03:11	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**15**		0.44	0.20	ug/m3			02/10/21 03:11	1
1,1,2,2-Tetrachloroethane	ND		0.55	0.096	ug/m3			02/10/21 03:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.54**	**J**	0.61	0.061	ug/m3			02/10/21 03:11	1
1,1,2-Trichloroethane	ND		0.44	0.038	ug/m3			02/10/21 03:11	1
1,1-Dichloroethane	**2.8**		0.32	0.028	ug/m3			02/10/21 03:11	1
1,1-Dichloroethene	ND		0.16	0.032	ug/m3			02/10/21 03:11	1
1,2,3-Trimethylbenzene	**0.47**		0.39	0.18	ug/m3			02/10/21 03:11	1
1,2,4-Trichlorobenzene	ND		0.59	0.47	ug/m3			02/10/21 03:11	1
1,2,4-Trimethylbenzene	**1.2**		0.39	0.098	ug/m3			02/10/21 03:11	1
1,2-Dibromoethane (EDB)	ND		0.61	0.054	ug/m3			02/10/21 03:11	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**0.10**	**J**	0.56	0.084	ug/m3			02/10/21 03:11	1
1,2-Dichlorobenzene	ND		0.48	0.19	ug/m3			02/10/21 03:11	1
1,2-Dichloroethane	**0.076**	**J**	0.32	0.040	ug/m3			02/10/21 03:11	1
1,2-Dichloropropane	ND		0.37	0.046	ug/m3			02/10/21 03:11	1
1,3,5-Trimethylbenzene	**0.43**		0.39	0.11	ug/m3			02/10/21 03:11	1
1,3-Butadiene	ND		0.35	0.042	ug/m3			02/10/21 03:11	1
1,3-Dichlorobenzene	ND		0.48	0.096	ug/m3			02/10/21 03:11	1
1,4-Dichlorobenzene	ND		0.48	0.096	ug/m3			02/10/21 03:11	1
1,4-Dioxane	ND		0.72	0.11	ug/m3			02/10/21 03:11	1
1-Methylnaphthalene	ND		5.8	1.5	ug/m3			02/10/21 03:11	1

Client Sample ID: GPEC-SV306 Lab Sample ID: 140-21885-1

Date Collected: 02/04/21 15:02 **Matrix: Air**
Date Received: 02/06/21 09:15
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
2,2,4-Trimethylpentane	0.30	J	0.93	0.037	ug/m3			02/10/21 03:11	1
2-Butanone (MEK)	1.6		0.94	0.22	ug/m3			02/10/21 03:11	1
2-Chlorotoluene	ND		0.83	0.083	ug/m3			02/10/21 03:11	1
2-Hexanone	0.19	J	0.82	0.066	ug/m3			02/10/21 03:11	1
2-Methylnaphthalene	ND		5.8	1.6	ug/m3			02/10/21 03:11	1
3-Chloropropene	ND		0.25	0.072	ug/m3			02/10/21 03:11	1
4-Ethyltoluene	0.27	J	0.79	0.10	ug/m3			02/10/21 03:11	1
4-Methyl-2-pentanone (MIBK)	0.23	J	0.82	0.22	ug/m3			02/10/21 03:11	1
Acetone	16	CI	4.8	1.4	ug/m3			02/10/21 03:11	1
Benzene	0.57	B	0.26	0.026	ug/m3			02/10/21 03:11	1
Benzyl chloride	ND		0.83	0.20	ug/m3			02/10/21 03:11	1
Bromodichloromethane	ND		0.54	0.12	ug/m3			02/10/21 03:11	1
Bromoform	ND		0.83	0.093	ug/m3			02/10/21 03:11	1
Bromomethane	ND		0.31	0.085	ug/m3			02/10/21 03:11	1
Butane	2.0		0.38	0.20	ug/m3			02/10/21 03:11	1
Carbon disulfide	0.18	J B	0.62	0.034	ug/m3			02/10/21 03:11	1
Carbon tetrachloride	0.42		0.20	0.044	ug/m3			02/10/21 03:11	1
Chlorobenzene	0.046	J B	0.37	0.028	ug/m3			02/10/21 03:11	1
Chloroethane	ND		0.21	0.077	ug/m3			02/10/21 03:11	1
Chloroform	0.35	J	0.39	0.034	ug/m3			02/10/21 03:11	1
Chloromethane	0.27	J	0.41	0.14	ug/m3			02/10/21 03:11	1
cis-1,2-Dichloroethene	0.063	J	0.16	0.040	ug/m3			02/10/21 03:11	1
cis-1,3-Dichloropropene	ND		0.36	0.073	ug/m3			02/10/21 03:11	1
Cyclohexane	0.25	J	0.69	0.079	ug/m3			02/10/21 03:11	1
Decane	1.3	J	2.3	0.22	ug/m3			02/10/21 03:11	1
Dibromochloromethane	ND		0.68	0.060	ug/m3			02/10/21 03:11	1
Dichlorodifluoromethane	1.2		0.40	0.069	ug/m3			02/10/21 03:11	1
Dodecane	ND		2.8	0.45	ug/m3			02/10/21 03:11	1
Ethanol	1100	E	3.8	1.6	ug/m3			02/10/21 03:11	1
Ethylbenzene	0.35		0.35	0.056	ug/m3			02/10/21 03:11	1
Heptane	0.59	J	0.82	0.057	ug/m3			02/10/21 03:11	1
Hexachlorobutadiene	ND		0.85	0.34	ug/m3			02/10/21 03:11	1
Hexane	0.73		0.70	0.046	ug/m3			02/10/21 03:11	1
Isopropyl alcohol	120	E	2.0	0.54	ug/m3			02/10/21 03:11	1
Methyl tert-butyl ether	ND		0.58	0.19	ug/m3			02/10/21 03:11	1
Methylene Chloride	7.8		1.4	1.4	ug/m3			02/10/21 03:11	1
m-Xylene & p-Xylene	1.3		0.35	0.13	ug/m3			02/10/21 03:11	1
Naphthalene	ND		1.0	0.40	ug/m3			02/10/21 03:11	1
Nonane	0.59	J	1.0	0.094	ug/m3			02/10/21 03:11	1
Octane	0.20	J	0.75	0.075	ug/m3			02/10/21 03:11	1
o-Xylene	0.43		0.35	0.065	ug/m3			02/10/21 03:11	1
Pentane	0.68	J	1.2	0.23	ug/m3			02/10/21 03:11	1
Styrene	ND	*+	0.34	0.10	ug/m3			02/10/21 03:11	1
tert-Butyl alcohol	0.49	J	0.97	0.27	ug/m3			02/10/21 03:11	1
Tetrachloroethene	1.2		0.54	0.047	ug/m3			02/10/21 03:11	1
Toluene	4.1		0.45	0.29	ug/m3			02/10/21 03:11	1
trans-1,2-Dichloroethene	ND		0.32	0.028	ug/m3			02/10/21 03:11	1
trans-1,3-Dichloropropene	ND		0.36	0.041	ug/m3			02/10/21 03:11	1

Client Sample ID: GPEC-SV306 — Lab Sample ID: 140-21885-1

Date Collected: 02/04/21 15:02 — **Matrix: Air**
Date Received: 02/06/21 09:15
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	**1.1**		0.19	0.032	ug/m3			02/10/21 03:11	1
Trichlorofluoromethane	**1.3**		0.45	0.062	ug/m3			02/10/21 03:11	1
Undecane	ND		2.6	0.31	ug/m3			02/10/21 03:11	1
Vinyl bromide	ND		0.35	0.087	ug/m3			02/10/21 03:11	1
Vinyl chloride	ND		0.10	0.066	ug/m3			02/10/21 03:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,2,3,4-Tetramethylbenzene TIC	*ND*		*ppb v/v*			*488-23-3*		*02/10/21 03:11*	*1*
1,2,3,5-Tetramethylbenzene TIC	*ND*		*ppb v/v*			*527-53-7*		*02/10/21 03:11*	*1*
Indane TIC	*ND*		*ppb v/v*			*496-11-7*		*02/10/21 03:11*	*1*
Indene TIC	*ND*		*ppb v/v*			*95-13-6*		*02/10/21 03:11*	*1*
Thiophene TIC	*ND*		*ppb v/v*			*110-02-1*		*02/10/21 03:11*	*1*

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,2,3,4-Tetramethylbenzene TIC	*ND*		*ug/m3*			*488-23-3*		*02/10/21 03:11*	*1*
1,2,3,5-Tetramethylbenzene TIC	*ND*		*ug/m3*			*527-53-7*		*02/10/21 03:11*	*1*
Indane TIC	*ND*		*ug/m3*			*496-11-7*		*02/10/21 03:11*	*1*
Indene TIC	*ND*		*ug/m3*			*95-13-6*		*02/10/21 03:11*	*1*
Thiophene TIC	*ND*		*ug/m3*			*110-02-1*		*02/10/21 03:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*60 - 140*		*02/10/21 03:11*	*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
Ethanol	**1000**		50	22	ppb v/v			02/12/21 00:38	1
Isopropyl alcohol	**39**		20	5.5	ppb v/v			02/12/21 00:38	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	**2000**		94	41	ug/m3			02/12/21 00:38	1
Isopropyl alcohol	**95**		49	14	ug/m3			02/12/21 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 140*		*02/12/21 00:38*	*1*

Client Sample ID: GPEC-IA 306 — Lab Sample ID: 140-21885-2

Date Collected: 02/04/21 15:21 — **Matrix: Air**
Date Received: 02/06/21 09:15
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	0.037	ppb v/v			02/10/21 04:08	1
1,1,2,2-Tetrachloroethane	ND		0.080	0.014	ppb v/v			02/10/21 04:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.072**	**J**	0.080	0.0080	ppb v/v			02/10/21 04:08	1
1,1,2-Trichloroethane	ND		0.080	0.0070	ppb v/v			02/10/21 04:08	1
1,1-Dichloroethane	ND		0.080	0.0070	ppb v/v			02/10/21 04:08	1
1,1-Dichloroethene	ND		0.040	0.0080	ppb v/v			02/10/21 04:08	1
1,2,3-Trimethylbenzene	ND		0.080	0.036	ppb v/v			02/10/21 04:08	1
1,2,4-Trichlorobenzene	ND		0.080	0.064	ppb v/v			02/10/21 04:08	1

Client Sample ID: GPEC-IA 306 Lab Sample ID: 140-21885-2

Date Collected: 02/04/21 15:21 **Matrix: Air**
Date Received: 02/06/21 09:15
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
1,2,4-Trimethylbenzene	**0.048**	**J**	0.080	0.020	ppb v/v			02/10/21 04:08	1
1,2-Dibromoethane (EDB)	ND		0.080	0.0070	ppb v/v			02/10/21 04:08	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**0.014**	**J**	0.080	0.012	ppb v/v			02/10/21 04:08	1
1,2-Dichlorobenzene	ND		0.080	0.031	ppb v/v			02/10/21 04:08	1
1,2-Dichloroethane	**0.022**	**J**	0.080	0.010	ppb v/v			02/10/21 04:08	1
1,2-Dichloropropane	ND		0.080	0.010	ppb v/v			02/10/21 04:08	1
1,3,5-Trimethylbenzene	ND		0.080	0.022	ppb v/v			02/10/21 04:08	1
1,3-Butadiene	ND		0.16	0.019	ppb v/v			02/10/21 04:08	1
1,3-Dichlorobenzene	ND		0.080	0.016	ppb v/v			02/10/21 04:08	1
1,4-Dichlorobenzene	ND		0.080	0.016	ppb v/v			02/10/21 04:08	1
1,4-Dioxane	ND		0.20	0.030	ppb v/v			02/10/21 04:08	1
1-Methylnaphthalene	ND		1.0	0.26	ppb v/v			02/10/21 04:08	1
2,2,4-Trimethylpentane	**0.061**	**J**	0.20	0.0080	ppb v/v			02/10/21 04:08	1
2-Butanone (MEK)	**0.78**		0.32	0.073	ppb v/v			02/10/21 04:08	1
2-Chlorotoluene	ND		0.16	0.016	ppb v/v			02/10/21 04:08	1
2-Hexanone	**0.029**	**J**	0.20	0.016	ppb v/v			02/10/21 04:08	1
2-Methylnaphthalene	ND		1.0	0.27	ppb v/v			02/10/21 04:08	1
3-Chloropropene	ND		0.080	0.023	ppb v/v			02/10/21 04:08	1
4-Ethyltoluene	**0.024**	**J**	0.16	0.021	ppb v/v			02/10/21 04:08	1
4-Methyl-2-pentanone (MIBK)	**0.060**	**J**	0.20	0.054	ppb v/v			02/10/21 04:08	1
Acetone	**15**	**CI**	2.0	0.57	ppb v/v			02/10/21 04:08	1
Benzene	**0.21**	**B**	0.080	0.0080	ppb v/v			02/10/21 04:08	1
Benzyl chloride	ND		0.16	0.038	ppb v/v			02/10/21 04:08	1
Bromodichloromethane	ND		0.080	0.018	ppb v/v			02/10/21 04:08	1
Bromoform	ND		0.080	0.0090	ppb v/v			02/10/21 04:08	1
Bromomethane	ND		0.080	0.022	ppb v/v			02/10/21 04:08	1
Butane	**6.1**		0.16	0.083	ppb v/v			02/10/21 04:08	1
Carbon disulfide	**0.047**	**J B**	0.20	0.011	ppb v/v			02/10/21 04:08	1
Carbon tetrachloride	**0.078**		0.032	0.0070	ppb v/v			02/10/21 04:08	1
Chlorobenzene	**0.0067**	**J B**	0.080	0.0060	ppb v/v			02/10/21 04:08	1
Chloroethane	ND		0.080	0.029	ppb v/v			02/10/21 04:08	1
Chloroform	**0.023**	**J**	0.080	0.0070	ppb v/v			02/10/21 04:08	1
Chloromethane	**0.64**		0.20	0.066	ppb v/v			02/10/21 04:08	1
cis-1,2-Dichloroethene	ND		0.040	0.010	ppb v/v			02/10/21 04:08	1
cis-1,3-Dichloropropene	ND		0.080	0.016	ppb v/v			02/10/21 04:08	1
Cyclohexane	**0.072**	**J**	0.20	0.023	ppb v/v			02/10/21 04:08	1
Decane	**0.089**	**J**	0.40	0.038	ppb v/v			02/10/21 04:08	1
Dibromochloromethane	ND		0.080	0.0070	ppb v/v			02/10/21 04:08	1
Dichlorodifluoromethane	**0.28**		0.080	0.014	ppb v/v			02/10/21 04:08	1
Dodecane	ND		0.40	0.064	ppb v/v			02/10/21 04:08	1
Ethanol	**470**	**E**	2.0	0.87	ppb v/v			02/10/21 04:08	1
Ethylbenzene	**0.083**		0.080	0.013	ppb v/v			02/10/21 04:08	1
Heptane	**0.23**		0.20	0.014	ppb v/v			02/10/21 04:08	1
Hexachlorobutadiene	ND		0.080	0.032	ppb v/v			02/10/21 04:08	1
Hexane	**0.19**	**J**	0.20	0.013	ppb v/v			02/10/21 04:08	1
Isopropyl alcohol	**17**		0.80	0.22	ppb v/v			02/10/21 04:08	1
Methyl tert-butyl ether	ND		0.16	0.052	ppb v/v			02/10/21 04:08	1
Methylene Chloride	**3.7**		0.40	0.39	ppb v/v			02/10/21 04:08	1

Client Sample ID: GPEC-IA 306 Lab Sample ID: 140-21885-2

Date Collected: 02/04/21 15:21 **Matrix: Air**
Date Received: 02/06/21 09:15
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
m-Xylene & p-Xylene	**0.33**		0.080	0.029	ppb v/v			02/10/21 04:08	1
Naphthalene	ND		0.20	0.076	ppb v/v			02/10/21 04:08	1
Nonane	**0.056**	**J**	0.20	0.018	ppb v/v			02/10/21 04:08	1
Octane	**0.038**	**J**	0.16	0.016	ppb v/v			02/10/21 04:08	1
o-Xylene	**0.10**		0.080	0.015	ppb v/v			02/10/21 04:08	1
Pentane	**0.31**	**J**	0.40	0.079	ppb v/v			02/10/21 04:08	1
Styrene	ND	*+	0.080	0.024	ppb v/v			02/10/21 04:08	1
tert-Butyl alcohol	**0.11**	**J**	0.32	0.088	ppb v/v			02/10/21 04:08	1
Tetrachloroethene	**0.14**		0.080	0.0070	ppb v/v			02/10/21 04:08	1
Toluene	**1.3**		0.12	0.078	ppb v/v			02/10/21 04:08	1
trans-1,2-Dichloroethene	ND		0.080	0.0070	ppb v/v			02/10/21 04:08	1
trans-1,3-Dichloropropene	ND		0.080	0.0090	ppb v/v			02/10/21 04:08	1
Trichloroethene	**0.28**		0.036	0.0060	ppb v/v			02/10/21 04:08	1
Trichlorofluoromethane	**0.24**		0.080	0.011	ppb v/v			02/10/21 04:08	1
Undecane	ND		0.40	0.048	ppb v/v			02/10/21 04:08	1
Vinyl bromide	ND		0.080	0.020	ppb v/v			02/10/21 04:08	1
Vinyl chloride	ND		0.040	0.026	ppb v/v			02/10/21 04:08	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44	0.20	ug/m3			02/10/21 04:08	1
1,1,2,2-Tetrachloroethane	ND		0.55	0.096	ug/m3			02/10/21 04:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.55**	**J**	0.61	0.061	ug/m3			02/10/21 04:08	1
1,1,2-Trichloroethane	ND		0.44	0.038	ug/m3			02/10/21 04:08	1
1,1-Dichloroethane	ND		0.32	0.028	ug/m3			02/10/21 04:08	1
1,1-Dichloroethene	ND		0.16	0.032	ug/m3			02/10/21 04:08	1
1,2,3-Trimethylbenzene	ND		0.39	0.18	ug/m3			02/10/21 04:08	1
1,2,4-Trichlorobenzene	ND		0.59	0.47	ug/m3			02/10/21 04:08	1
1,2,4-Trimethylbenzene	**0.23**	**J**	0.39	0.098	ug/m3			02/10/21 04:08	1
1,2-Dibromoethane (EDB)	ND		0.61	0.054	ug/m3			02/10/21 04:08	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**0.096**	**J**	0.56	0.084	ug/m3			02/10/21 04:08	1
1,2-Dichlorobenzene	ND		0.48	0.19	ug/m3			02/10/21 04:08	1
1,2-Dichloroethane	**0.089**	**J**	0.32	0.040	ug/m3			02/10/21 04:08	1
1,2-Dichloropropane	ND		0.37	0.046	ug/m3			02/10/21 04:08	1
1,3,5-Trimethylbenzene	ND		0.39	0.11	ug/m3			02/10/21 04:08	1
1,3-Butadiene	ND		0.35	0.042	ug/m3			02/10/21 04:08	1
1,3-Dichlorobenzene	ND		0.48	0.096	ug/m3			02/10/21 04:08	1
1,4-Dichlorobenzene	ND		0.48	0.096	ug/m3			02/10/21 04:08	1
1,4-Dioxane	ND		0.72	0.11	ug/m3			02/10/21 04:08	1
1-Methylnaphthalene	ND		5.8	1.5	ug/m3			02/10/21 04:08	1
2,2,4-Trimethylpentane	**0.28**	**J**	0.93	0.037	ug/m3			02/10/21 04:08	1
2-Butanone (MEK)	**2.3**		0.94	0.22	ug/m3			02/10/21 04:08	1
2-Chlorotoluene	ND		0.83	0.083	ug/m3			02/10/21 04:08	1
2-Hexanone	**0.12**	**J**	0.82	0.066	ug/m3			02/10/21 04:08	1
2-Methylnaphthalene	ND		5.8	1.6	ug/m3			02/10/21 04:08	1
3-Chloropropene	ND		0.25	0.072	ug/m3			02/10/21 04:08	1
4-Ethyltoluene	**0.12**	**J**	0.79	0.10	ug/m3			02/10/21 04:08	1
4-Methyl-2-pentanone (MIBK)	**0.24**	**J**	0.82	0.22	ug/m3			02/10/21 04:08	1
Acetone	**35**	**CI**	4.8	1.4	ug/m3			02/10/21 04:08	1

Client Sample ID: GPEC-IA 306 Lab Sample ID: 140-21885-2

Date Collected: 02/04/21 15:21 **Matrix: Air**
Date Received: 02/06/21 09:15
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
Benzene	**0.68**	**B**	0.26	0.026	ug/m3			02/10/21 04:08	1
Benzyl chloride	ND		0.83	0.20	ug/m3			02/10/21 04:08	1
Bromodichloromethane	ND		0.54	0.12	ug/m3			02/10/21 04:08	1
Bromoform	ND		0.83	0.093	ug/m3			02/10/21 04:08	1
Bromomethane	ND		0.31	0.085	ug/m3			02/10/21 04:08	1
Butane	**15**		0.38	0.20	ug/m3			02/10/21 04:08	1
Carbon disulfide	**0.15**	**J B**	0.62	0.034	ug/m3			02/10/21 04:08	1
Carbon tetrachloride	**0.49**		0.20	0.044	ug/m3			02/10/21 04:08	1
Chlorobenzene	**0.031**	**J B**	0.37	0.028	ug/m3			02/10/21 04:08	1
Chloroethane	ND		0.21	0.077	ug/m3			02/10/21 04:08	1
Chloroform	**0.11**	**J**	0.39	0.034	ug/m3			02/10/21 04:08	1
Chloromethane	**1.3**		0.41	0.14	ug/m3			02/10/21 04:08	1
cis-1,2-Dichloroethene	ND		0.16	0.040	ug/m3			02/10/21 04:08	1
cis-1,3-Dichloropropene	ND		0.36	0.073	ug/m3			02/10/21 04:08	1
Cyclohexane	**0.25**	**J**	0.69	0.079	ug/m3			02/10/21 04:08	1
Decane	**0.52**	**J**	2.3	0.22	ug/m3			02/10/21 04:08	1
Dibromochloromethane	ND		0.68	0.060	ug/m3			02/10/21 04:08	1
Dichlorodifluoromethane	**1.4**		0.40	0.069	ug/m3			02/10/21 04:08	1
Dodecane	ND		2.8	0.45	ug/m3			02/10/21 04:08	1
Ethanol	**890**	**E**	3.8	1.6	ug/m3			02/10/21 04:08	1
Ethylbenzene	**0.36**		0.35	0.056	ug/m3			02/10/21 04:08	1
Heptane	**0.96**		0.82	0.057	ug/m3			02/10/21 04:08	1
Hexachlorobutadiene	ND		0.85	0.34	ug/m3			02/10/21 04:08	1
Hexane	**0.66**	**J**	0.70	0.046	ug/m3			02/10/21 04:08	1
Isopropyl alcohol	**41**		2.0	0.54	ug/m3			02/10/21 04:08	1
Methyl tert-butyl ether	ND		0.58	0.19	ug/m3			02/10/21 04:08	1
Methylene Chloride	**13**		1.4	1.4	ug/m3			02/10/21 04:08	1
m-Xylene & p-Xylene	**1.4**		0.35	0.13	ug/m3			02/10/21 04:08	1
Naphthalene	ND		1.0	0.40	ug/m3			02/10/21 04:08	1
Nonane	**0.29**	**J**	1.0	0.094	ug/m3			02/10/21 04:08	1
Octane	**0.18**	**J**	0.75	0.075	ug/m3			02/10/21 04:08	1
o-Xylene	**0.44**		0.35	0.065	ug/m3			02/10/21 04:08	1
Pentane	**0.92**	**J**	1.2	0.23	ug/m3			02/10/21 04:08	1
Styrene	ND	*+	0.34	0.10	ug/m3			02/10/21 04:08	1
tert-Butyl alcohol	**0.35**	**J**	0.97	0.27	ug/m3			02/10/21 04:08	1
Tetrachloroethene	**0.92**		0.54	0.047	ug/m3			02/10/21 04:08	1
Toluene	**4.9**		0.45	0.29	ug/m3			02/10/21 04:08	1
trans-1,2-Dichloroethene	ND		0.32	0.028	ug/m3			02/10/21 04:08	1
trans-1,3-Dichloropropene	ND		0.36	0.041	ug/m3			02/10/21 04:08	1
Trichloroethene	**1.5**		0.19	0.032	ug/m3			02/10/21 04:08	1
Trichlorofluoromethane	**1.3**		0.45	0.062	ug/m3			02/10/21 04:08	1
Undecane	ND		2.6	0.31	ug/m3			02/10/21 04:08	1
Vinyl bromide	ND		0.35	0.087	ug/m3			02/10/21 04:08	1
Vinyl chloride	ND		0.10	0.066	ug/m3			02/10/21 04:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,2,3,4-Tetramethylbenzene TIC	*ND*		*ppb v/v*			*488-23-3*		*02/10/21 04:08*	*1*
1,2,3,5-Tetramethylbenzene TIC	*ND*		*ppb v/v*			*527-53-7*		*02/10/21 04:08*	*1*
Indane TIC	*ND*		*ppb v/v*			*496-11-7*		*02/10/21 04:08*	*1*

Client Sample ID: GPEC-IA 306 — Lab Sample ID: 140-21885-2

Date Collected: 02/04/21 15:21 — **Matrix: Air**
Date Received: 02/06/21 09:15
Sample Container: Summa Canister 6L

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

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Indene TIC	*ND*		*ppb v/v*			*95-13-6*		*02/10/21 04:08*	*1*
Thiophene TIC	*ND*		*ppb v/v*			*110-02-1*		*02/10/21 04:08*	*1*

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,2,3,4-Tetramethylbenzene TIC	*ND*		*ug/m3*			*488-23-3*		*02/10/21 04:08*	*1*
1,2,3,5-Tetramethylbenzene TIC	*ND*		*ug/m3*			*527-53-7*		*02/10/21 04:08*	*1*
Indane TIC	*ND*		*ug/m3*			*496-11-7*		*02/10/21 04:08*	*1*
Indene TIC	*ND*		*ug/m3*			*95-13-6*		*02/10/21 04:08*	*1*
Thiophene TIC	*ND*		*ug/m3*			*110-02-1*		*02/10/21 04:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 140*		*02/10/21 04:08*	*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
Ethanol	**750**		25	11	ppb v/v			02/12/21 01:29	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	**1400**		47	20	ug/m3			02/12/21 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 140*		*02/12/21 01:29*	*1*

Client Sample ID: GPEC-OA FACILITIES — Lab Sample ID: 140-21885-3

Date Collected: 02/04/21 14:49 — **Matrix: Air**
Date Received: 02/06/21 09:15
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	0.037	ppb v/v			02/10/21 05:06	1
1,1,2,2-Tetrachloroethane	ND		0.080	0.014	ppb v/v			02/10/21 05:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.069**	**J**	0.080	0.0080	ppb v/v			02/10/21 05:06	1
1,1,2-Trichloroethane	ND		0.080	0.0070	ppb v/v			02/10/21 05:06	1
1,1-Dichloroethane	ND		0.080	0.0070	ppb v/v			02/10/21 05:06	1
1,1-Dichloroethene	ND		0.040	0.0080	ppb v/v			02/10/21 05:06	1
1,2,3-Trimethylbenzene	ND		0.080	0.036	ppb v/v			02/10/21 05:06	1
1,2,4-Trichlorobenzene	ND		0.080	0.064	ppb v/v			02/10/21 05:06	1
1,2,4-Trimethylbenzene	**0.034**	**J**	0.080	0.020	ppb v/v			02/10/21 05:06	1
1,2-Dibromoethane (EDB)	ND		0.080	0.0070	ppb v/v			02/10/21 05:06	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**0.012**	**J**	0.080	0.012	ppb v/v			02/10/21 05:06	1
1,2-Dichlorobenzene	ND		0.080	0.031	ppb v/v			02/10/21 05:06	1
1,2-Dichloroethane	**0.017**	**J**	0.080	0.010	ppb v/v			02/10/21 05:06	1
1,2-Dichloropropane	ND		0.080	0.010	ppb v/v			02/10/21 05:06	1
1,3,5-Trimethylbenzene	ND		0.080	0.022	ppb v/v			02/10/21 05:06	1
1,3-Butadiene	ND		0.16	0.019	ppb v/v			02/10/21 05:06	1
1,3-Dichlorobenzene	ND		0.080	0.016	ppb v/v			02/10/21 05:06	1
1,4-Dichlorobenzene	ND		0.080	0.016	ppb v/v			02/10/21 05:06	1
1,4-Dioxane	ND		0.20	0.030	ppb v/v			02/10/21 05:06	1

Client Sample ID: GPEC-OA FACILITIES — Lab Sample ID: 140-21885-3

Date Collected: 02/04/21 14:49 — **Matrix: Air**
Date Received: 02/06/21 09:15
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-Methylnaphthalene	ND		1.0	0.26	ppb v/v			02/10/21 05:06	1
2,2,4-Trimethylpentane	**0.045**	**J**	0.20	0.0080	ppb v/v			02/10/21 05:06	1
2-Butanone (MEK)	**0.27**	**J**	0.32	0.073	ppb v/v			02/10/21 05:06	1
2-Chlorotoluene	ND		0.16	0.016	ppb v/v			02/10/21 05:06	1
2-Hexanone	**0.020**	**J**	0.20	0.016	ppb v/v			02/10/21 05:06	1
2-Methylnaphthalene	ND		1.0	0.27	ppb v/v			02/10/21 05:06	1
3-Chloropropene	ND		0.080	0.023	ppb v/v			02/10/21 05:06	1
4-Ethyltoluene	ND		0.16	0.021	ppb v/v			02/10/21 05:06	1
4-Methyl-2-pentanone (MIBK)	ND		0.20	0.054	ppb v/v			02/10/21 05:06	1
Acetone	**3.3**	**CI**	2.0	0.57	ppb v/v			02/10/21 05:06	1
Benzene	**0.17**	**B**	0.080	0.0080	ppb v/v			02/10/21 05:06	1
Benzyl chloride	ND		0.16	0.038	ppb v/v			02/10/21 05:06	1
Bromodichloromethane	ND		0.080	0.018	ppb v/v			02/10/21 05:06	1
Bromoform	ND		0.080	0.0090	ppb v/v			02/10/21 05:06	1
Bromomethane	ND		0.080	0.022	ppb v/v			02/10/21 05:06	1
Butane	**1.0**		0.16	0.083	ppb v/v			02/10/21 05:06	1
Carbon disulfide	**0.033**	**J B**	0.20	0.011	ppb v/v			02/10/21 05:06	1
Carbon tetrachloride	**0.073**		0.032	0.0070	ppb v/v			02/10/21 05:06	1
Chlorobenzene	ND		0.080	0.0060	ppb v/v			02/10/21 05:06	1
Chloroethane	ND		0.080	0.029	ppb v/v			02/10/21 05:06	1
Chloroform	**0.020**	**J**	0.080	0.0070	ppb v/v			02/10/21 05:06	1
Chloromethane	**0.69**		0.20	0.066	ppb v/v			02/10/21 05:06	1
cis-1,2-Dichloroethene	ND		0.040	0.010	ppb v/v			02/10/21 05:06	1
cis-1,3-Dichloropropene	ND		0.080	0.016	ppb v/v			02/10/21 05:06	1
Cyclohexane	**0.039**	**J**	0.20	0.023	ppb v/v			02/10/21 05:06	1
Decane	**0.055**	**J**	0.40	0.038	ppb v/v			02/10/21 05:06	1
Dibromochloromethane	ND		0.080	0.0070	ppb v/v			02/10/21 05:06	1
Dichlorodifluoromethane	**0.27**		0.080	0.014	ppb v/v			02/10/21 05:06	1
Dodecane	ND		0.40	0.064	ppb v/v			02/10/21 05:06	1
Ethanol	**8.8**		2.0	0.87	ppb v/v			02/10/21 05:06	1
Ethylbenzene	**0.052**	**J**	0.080	0.013	ppb v/v			02/10/21 05:06	1
Heptane	**0.062**	**J**	0.20	0.014	ppb v/v			02/10/21 05:06	1
Hexachlorobutadiene	ND		0.080	0.032	ppb v/v			02/10/21 05:06	1
Hexane	**0.14**	**J**	0.20	0.013	ppb v/v			02/10/21 05:06	1
Isopropyl alcohol	**1.0**		0.80	0.22	ppb v/v			02/10/21 05:06	1
Methyl tert-butyl ether	ND		0.16	0.052	ppb v/v			02/10/21 05:06	1
Methylene Chloride	**0.41**		0.40	0.39	ppb v/v			02/10/21 05:06	1
m-Xylene & p-Xylene	**0.18**		0.080	0.029	ppb v/v			02/10/21 05:06	1
Naphthalene	ND		0.20	0.076	ppb v/v			02/10/21 05:06	1
Nonane	**0.039**	**J**	0.20	0.018	ppb v/v			02/10/21 05:06	1
Octane	**0.029**	**J**	0.16	0.016	ppb v/v			02/10/21 05:06	1
o-Xylene	**0.060**	**J**	0.080	0.015	ppb v/v			02/10/21 05:06	1
Pentane	**0.24**	**J**	0.40	0.079	ppb v/v			02/10/21 05:06	1
Styrene	ND	*+	0.080	0.024	ppb v/v			02/10/21 05:06	1
tert-Butyl alcohol	ND		0.32	0.088	ppb v/v			02/10/21 05:06	1
Tetrachloroethene	**0.056**	**J**	0.080	0.0070	ppb v/v			02/10/21 05:06	1
Toluene	**0.46**		0.12	0.078	ppb v/v			02/10/21 05:06	1
trans-1,2-Dichloroethene	ND		0.080	0.0070	ppb v/v			02/10/21 05:06	1

Client Sample ID: GPEC-OA FACILITIES
Lab Sample ID: 140-21885-3

Date Collected: 02/04/21 14:49
Matrix: Air
Date Received: 02/06/21 09:15
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-1,3-Dichloropropene	ND		0.080	0.0090	ppb v/v			02/10/21 05:06	1
Trichloroethene	**0.0067**	**J**	0.036	0.0060	ppb v/v			02/10/21 05:06	1
Trichlorofluoromethane	**0.22**		0.080	0.011	ppb v/v			02/10/21 05:06	1
Undecane	ND		0.40	0.048	ppb v/v			02/10/21 05:06	1
Vinyl bromide	ND		0.080	0.020	ppb v/v			02/10/21 05:06	1
Vinyl chloride	ND		0.040	0.026	ppb v/v			02/10/21 05:06	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44	0.20	ug/m3			02/10/21 05:06	1
1,1,2,2-Tetrachloroethane	ND		0.55	0.096	ug/m3			02/10/21 05:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.53**	**J**	0.61	0.061	ug/m3			02/10/21 05:06	1
1,1,2-Trichloroethane	ND		0.44	0.038	ug/m3			02/10/21 05:06	1
1,1-Dichloroethane	ND		0.32	0.028	ug/m3			02/10/21 05:06	1
1,1-Dichloroethene	ND		0.16	0.032	ug/m3			02/10/21 05:06	1
1,2,3-Trimethylbenzene	ND		0.39	0.18	ug/m3			02/10/21 05:06	1
1,2,4-Trichlorobenzene	ND		0.59	0.47	ug/m3			02/10/21 05:06	1
1,2,4-Trimethylbenzene	**0.17**	**J**	0.39	0.098	ug/m3			02/10/21 05:06	1
1,2-Dibromoethane (EDB)	ND		0.61	0.054	ug/m3			02/10/21 05:06	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	**0.085**	**J**	0.56	0.084	ug/m3			02/10/21 05:06	1
1,2-Dichlorobenzene	ND		0.48	0.19	ug/m3			02/10/21 05:06	1
1,2-Dichloroethane	**0.069**	**J**	0.32	0.040	ug/m3			02/10/21 05:06	1
1,2-Dichloropropane	ND		0.37	0.046	ug/m3			02/10/21 05:06	1
1,3,5-Trimethylbenzene	ND		0.39	0.11	ug/m3			02/10/21 05:06	1
1,3-Butadiene	ND		0.35	0.042	ug/m3			02/10/21 05:06	1
1,3-Dichlorobenzene	ND		0.48	0.096	ug/m3			02/10/21 05:06	1
1,4-Dichlorobenzene	ND		0.48	0.096	ug/m3			02/10/21 05:06	1
1,4-Dioxane	ND		0.72	0.11	ug/m3			02/10/21 05:06	1
1-Methylnaphthalene	ND		5.8	1.5	ug/m3			02/10/21 05:06	1
2,2,4-Trimethylpentane	**0.21**	**J**	0.93	0.037	ug/m3			02/10/21 05:06	1
2-Butanone (MEK)	**0.78**	**J**	0.94	0.22	ug/m3			02/10/21 05:06	1
2-Chlorotoluene	ND		0.83	0.083	ug/m3			02/10/21 05:06	1
2-Hexanone	**0.082**	**J**	0.82	0.066	ug/m3			02/10/21 05:06	1
2-Methylnaphthalene	ND		5.8	1.6	ug/m3			02/10/21 05:06	1
3-Chloropropene	ND		0.25	0.072	ug/m3			02/10/21 05:06	1
4-Ethyltoluene	ND		0.79	0.10	ug/m3			02/10/21 05:06	1
4-Methyl-2-pentanone (MIBK)	ND		0.82	0.22	ug/m3			02/10/21 05:06	1
Acetone	**7.8**	**CI**	4.8	1.4	ug/m3			02/10/21 05:06	1
Benzene	**0.53**	**B**	0.26	0.026	ug/m3			02/10/21 05:06	1
Benzyl chloride	ND		0.83	0.20	ug/m3			02/10/21 05:06	1
Bromodichloromethane	ND		0.54	0.12	ug/m3			02/10/21 05:06	1
Bromoform	ND		0.83	0.093	ug/m3			02/10/21 05:06	1
Bromomethane	ND		0.31	0.085	ug/m3			02/10/21 05:06	1
Butane	**2.4**		0.38	0.20	ug/m3			02/10/21 05:06	1
Carbon disulfide	**0.10**	**J B**	0.62	0.034	ug/m3			02/10/21 05:06	1
Carbon tetrachloride	**0.46**		0.20	0.044	ug/m3			02/10/21 05:06	1
Chlorobenzene	ND		0.37	0.028	ug/m3			02/10/21 05:06	1
Chloroethane	ND		0.21	0.077	ug/m3			02/10/21 05:06	1
Chloroform	**0.10**	**J**	0.39	0.034	ug/m3			02/10/21 05:06	1

Client Sample ID: GPEC-OA FACILITIES
Lab Sample ID: 140-21885-3

Date Collected: 02/04/21 14:49
Matrix: Air
Date Received: 02/06/21 09:15
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
Chloromethane	**1.4**		0.41	0.14	ug/m3			02/10/21 05:06	1
cis-1,2-Dichloroethene	ND		0.16	0.040	ug/m3			02/10/21 05:06	1
cis-1,3-Dichloropropene	ND		0.36	0.073	ug/m3			02/10/21 05:06	1
Cyclohexane	**0.13**	**J**	0.69	0.079	ug/m3			02/10/21 05:06	1
Decane	**0.32**	**J**	2.3	0.22	ug/m3			02/10/21 05:06	1
Dibromochloromethane	ND		0.68	0.060	ug/m3			02/10/21 05:06	1
Dichlorodifluoromethane	**1.3**		0.40	0.069	ug/m3			02/10/21 05:06	1
Dodecane	ND		2.8	0.45	ug/m3			02/10/21 05:06	1
Ethanol	**16**		3.8	1.6	ug/m3			02/10/21 05:06	1
Ethylbenzene	**0.23**	**J**	0.35	0.056	ug/m3			02/10/21 05:06	1
Heptane	**0.26**	**J**	0.82	0.057	ug/m3			02/10/21 05:06	1
Hexachlorobutadiene	ND		0.85	0.34	ug/m3			02/10/21 05:06	1
Hexane	**0.48**	**J**	0.70	0.046	ug/m3			02/10/21 05:06	1
Isopropyl alcohol	**2.6**		2.0	0.54	ug/m3			02/10/21 05:06	1
Methyl tert-butyl ether	ND		0.58	0.19	ug/m3			02/10/21 05:06	1
Methylene Chloride	**1.4**		1.4	1.4	ug/m3			02/10/21 05:06	1
m-Xylene & p-Xylene	**0.80**		0.35	0.13	ug/m3			02/10/21 05:06	1
Naphthalene	ND		1.0	0.40	ug/m3			02/10/21 05:06	1
Nonane	**0.20**	**J**	1.0	0.094	ug/m3			02/10/21 05:06	1
Octane	**0.14**	**J**	0.75	0.075	ug/m3			02/10/21 05:06	1
o-Xylene	**0.26**	**J**	0.35	0.065	ug/m3			02/10/21 05:06	1
Pentane	**0.72**	**J**	1.2	0.23	ug/m3			02/10/21 05:06	1
Styrene	ND	*+	0.34	0.10	ug/m3			02/10/21 05:06	1
tert-Butyl alcohol	ND		0.97	0.27	ug/m3			02/10/21 05:06	1
Tetrachloroethene	**0.38**	**J**	0.54	0.047	ug/m3			02/10/21 05:06	1
Toluene	**1.7**		0.45	0.29	ug/m3			02/10/21 05:06	1
trans-1,2-Dichloroethene	ND		0.32	0.028	ug/m3			02/10/21 05:06	1
trans-1,3-Dichloropropene	ND		0.36	0.041	ug/m3			02/10/21 05:06	1
Trichloroethene	**0.036**	**J**	0.19	0.032	ug/m3			02/10/21 05:06	1
Trichlorofluoromethane	**1.2**		0.45	0.062	ug/m3			02/10/21 05:06	1
Undecane	ND		2.6	0.31	ug/m3			02/10/21 05:06	1
Vinyl bromide	ND		0.35	0.087	ug/m3			02/10/21 05:06	1
Vinyl chloride	ND		0.10	0.066	ug/m3			02/10/21 05:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,2,3,4-Tetramethylbenzene TIC	*ND*		*ppb v/v*			*488-23-3*		*02/10/21 05:06*	*1*
1,2,3,5-Tetramethylbenzene TIC	*ND*		*ppb v/v*			*527-53-7*		*02/10/21 05:06*	*1*
Indane TIC	*ND*		*ppb v/v*			*496-11-7*		*02/10/21 05:06*	*1*
Indene TIC	*ND*		*ppb v/v*			*95-13-6*		*02/10/21 05:06*	*1*
Thiophene TIC	*ND*		*ppb v/v*			*110-02-1*		*02/10/21 05:06*	*1*

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,2,3,4-Tetramethylbenzene TIC	*ND*		*ug/m3*			*488-23-3*		*02/10/21 05:06*	*1*
1,2,3,5-Tetramethylbenzene TIC	*ND*		*ug/m3*			*527-53-7*		*02/10/21 05:06*	*1*
Indane TIC	*ND*		*ug/m3*			*496-11-7*		*02/10/21 05:06*	*1*
Indene TIC	*ND*		*ug/m3*			*95-13-6*		*02/10/21 05:06*	*1*
Thiophene TIC	*ND*		*ug/m3*			*110-02-1*		*02/10/21 05:06*	*1*

Client Sample ID: GPEC-OA FACILITIES — Lab Sample ID: 140-21885-3

Date Collected: 02/04/21 14:49 — **Matrix: Air**
Date Received: 02/06/21 09:15
Sample Container: Summa Canister 6L

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		60 - 140		02/10/21 05:06	1

Client Sample ID: GPEC-IA 327 — Lab Sample ID: 140-21885-4

Date Collected: 02/04/21 15:16 — **Matrix: Air**
Date Received: 02/06/21 09:15
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	0.037	ppb v/v			02/10/21 06:06	1
1,1,2,2-Tetrachloroethane	ND		0.080	0.014	ppb v/v			02/10/21 06:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.074**	**J**	0.080	0.0080	ppb v/v			02/10/21 06:06	1
1,1,2-Trichloroethane	ND		0.080	0.0070	ppb v/v			02/10/21 06:06	1
1,1-Dichloroethane	ND		0.080	0.0070	ppb v/v			02/10/21 06:06	1
1,1-Dichloroethene	ND		0.040	0.0080	ppb v/v			02/10/21 06:06	1
1,2,3-Trimethylbenzene	ND		0.080	0.036	ppb v/v			02/10/21 06:06	1
1,2,4-Trichlorobenzene	ND		0.080	0.064	ppb v/v			02/10/21 06:06	1
1,2,4-Trimethylbenzene	**0.043**	**J**	0.080	0.020	ppb v/v			02/10/21 06:06	1
1,2-Dibromoethane (EDB)	ND		0.080	0.0070	ppb v/v			02/10/21 06:06	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.080	0.012	ppb v/v			02/10/21 06:06	1
1,2-Dichlorobenzene	ND		0.080	0.031	ppb v/v			02/10/21 06:06	1
1,2-Dichloroethane	**0.021**	**J**	0.080	0.010	ppb v/v			02/10/21 06:06	1
1,2-Dichloropropane	ND		0.080	0.010	ppb v/v			02/10/21 06:06	1
1,3,5-Trimethylbenzene	ND		0.080	0.022	ppb v/v			02/10/21 06:06	1
1,3-Butadiene	ND		0.16	0.019	ppb v/v			02/10/21 06:06	1
1,3-Dichlorobenzene	ND		0.080	0.016	ppb v/v			02/10/21 06:06	1
1,4-Dichlorobenzene	ND		0.080	0.016	ppb v/v			02/10/21 06:06	1
1,4-Dioxane	ND		0.20	0.030	ppb v/v			02/10/21 06:06	1
1-Methylnaphthalene	ND		1.0	0.26	ppb v/v			02/10/21 06:06	1
2,2,4-Trimethylpentane	**0.063**	**J**	0.20	0.0080	ppb v/v			02/10/21 06:06	1
2-Butanone (MEK)	**0.28**	**J**	0.32	0.073	ppb v/v			02/10/21 06:06	1
2-Chlorotoluene	ND		0.16	0.016	ppb v/v			02/10/21 06:06	1
2-Hexanone	ND		0.20	0.016	ppb v/v			02/10/21 06:06	1
2-Methylnaphthalene	ND		1.0	0.27	ppb v/v			02/10/21 06:06	1
3-Chloropropene	ND		0.080	0.023	ppb v/v			02/10/21 06:06	1
4-Ethyltoluene	**0.031**	**J**	0.16	0.021	ppb v/v			02/10/21 06:06	1
4-Methyl-2-pentanone (MIBK)	ND		0.20	0.054	ppb v/v			02/10/21 06:06	1
Acetone	**25**		2.0	0.57	ppb v/v			02/10/21 06:06	1
Benzene	**0.20**	**B**	0.080	0.0080	ppb v/v			02/10/21 06:06	1
Benzyl chloride	ND		0.16	0.038	ppb v/v			02/10/21 06:06	1
Bromodichloromethane	ND		0.080	0.018	ppb v/v			02/10/21 06:06	1
Bromoform	ND		0.080	0.0090	ppb v/v			02/10/21 06:06	1
Bromomethane	**0.025**	**J**	0.080	0.022	ppb v/v			02/10/21 06:06	1
Butane	**1.4**		0.16	0.083	ppb v/v			02/10/21 06:06	1
Carbon disulfide	**0.036**	**J B**	0.20	0.011	ppb v/v			02/10/21 06:06	1
Carbon tetrachloride	**0.078**		0.032	0.0070	ppb v/v			02/10/21 06:06	1
Chlorobenzene	**0.0094**	**J B**	0.080	0.0060	ppb v/v			02/10/21 06:06	1
Chloroethane	ND		0.080	0.029	ppb v/v			02/10/21 06:06	1
Chloroform	**0.024**	**J**	0.080	0.0070	ppb v/v			02/10/21 06:06	1

Client Sample ID: GPEC-IA 327 — Lab Sample ID: 140-21885-4

Date Collected: 02/04/21 15:16 — **Matrix: Air**
Date Received: 02/06/21 09:15
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
Chloromethane	**0.70**		0.20	0.066	ppb v/v			02/10/21 06:06	1
cis-1,2-Dichloroethene	ND		0.040	0.010	ppb v/v			02/10/21 06:06	1
cis-1,3-Dichloropropene	ND		0.080	0.016	ppb v/v			02/10/21 06:06	1
Cyclohexane	**0.061**	**J**	0.20	0.023	ppb v/v			02/10/21 06:06	1
Decane	**0.10**	**J**	0.40	0.038	ppb v/v			02/10/21 06:06	1
Dibromochloromethane	ND		0.080	0.0070	ppb v/v			02/10/21 06:06	1
Dichlorodifluoromethane	**0.26**		0.080	0.014	ppb v/v			02/10/21 06:06	1
Dodecane	**0.065**	**J**	0.40	0.064	ppb v/v			02/10/21 06:06	1
Ethanol	**610**	**E**	2.0	0.87	ppb v/v			02/10/21 06:06	1
Ethylbenzene	**0.063**	**J**	0.080	0.013	ppb v/v			02/10/21 06:06	1
Heptane	**0.080**	**J**	0.20	0.014	ppb v/v			02/10/21 06:06	1
Hexachlorobutadiene	ND		0.080	0.032	ppb v/v			02/10/21 06:06	1
Hexane	**0.33**		0.20	0.013	ppb v/v			02/10/21 06:06	1
Isopropyl alcohol	**75**	**E**	0.80	0.22	ppb v/v			02/10/21 06:06	1
Methyl tert-butyl ether	ND		0.16	0.052	ppb v/v			02/10/21 06:06	1
Methylene Chloride	**1.8**		0.40	0.39	ppb v/v			02/10/21 06:06	1
m-Xylene & p-Xylene	**0.22**		0.080	0.029	ppb v/v			02/10/21 06:06	1
Naphthalene	ND		0.20	0.076	ppb v/v			02/10/21 06:06	1
Nonane	**0.045**	**J**	0.20	0.018	ppb v/v			02/10/21 06:06	1
Octane	**0.041**	**J**	0.16	0.016	ppb v/v			02/10/21 06:06	1
o-Xylene	**0.082**		0.080	0.015	ppb v/v			02/10/21 06:06	1
Pentane	**0.33**	**J**	0.40	0.079	ppb v/v			02/10/21 06:06	1
Styrene	ND	*+	0.080	0.024	ppb v/v			02/10/21 06:06	1
tert-Butyl alcohol	**0.35**		0.32	0.088	ppb v/v			02/10/21 06:06	1
Tetrachloroethene	**0.067**	**J**	0.080	0.0070	ppb v/v			02/10/21 06:06	1
Toluene	**0.59**		0.12	0.078	ppb v/v			02/10/21 06:06	1
trans-1,2-Dichloroethene	ND		0.080	0.0070	ppb v/v			02/10/21 06:06	1
trans-1,3-Dichloropropene	ND		0.080	0.0090	ppb v/v			02/10/21 06:06	1
Trichloroethene	ND		0.036	0.0060	ppb v/v			02/10/21 06:06	1
Trichlorofluoromethane	**0.25**		0.080	0.011	ppb v/v			02/10/21 06:06	1
Undecane	ND		0.40	0.048	ppb v/v			02/10/21 06:06	1
Vinyl bromide	ND		0.080	0.020	ppb v/v			02/10/21 06:06	1
Vinyl chloride	ND		0.040	0.026	ppb v/v			02/10/21 06:06	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44	0.20	ug/m3			02/10/21 06:06	1
1,1,2,2-Tetrachloroethane	ND		0.55	0.096	ug/m3			02/10/21 06:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.56**	**J**	0.61	0.061	ug/m3			02/10/21 06:06	1
1,1,2-Trichloroethane	ND		0.44	0.038	ug/m3			02/10/21 06:06	1
1,1-Dichloroethane	ND		0.32	0.028	ug/m3			02/10/21 06:06	1
1,1-Dichloroethene	ND		0.16	0.032	ug/m3			02/10/21 06:06	1
1,2,3-Trimethylbenzene	ND		0.39	0.18	ug/m3			02/10/21 06:06	1
1,2,4-Trichlorobenzene	ND		0.59	0.47	ug/m3			02/10/21 06:06	1
1,2,4-Trimethylbenzene	**0.21**	**J**	0.39	0.098	ug/m3			02/10/21 06:06	1
1,2-Dibromoethane (EDB)	ND		0.61	0.054	ug/m3			02/10/21 06:06	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.56	0.084	ug/m3			02/10/21 06:06	1
1,2-Dichlorobenzene	ND		0.48	0.19	ug/m3			02/10/21 06:06	1
1,2-Dichloroethane	**0.087**	**J**	0.32	0.040	ug/m3			02/10/21 06:06	1

Client Sample ID: GPEC-IA 327 — Lab Sample ID: 140-21885-4

Date Collected: 02/04/21 15:16 — **Matrix: Air**
Date Received: 02/06/21 09:15
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-Dichloropropane	ND		0.37	0.046	ug/m3			02/10/21 06:06	1
1,3,5-Trimethylbenzene	ND		0.39	0.11	ug/m3			02/10/21 06:06	1
1,3-Butadiene	ND		0.35	0.042	ug/m3			02/10/21 06:06	1
1,3-Dichlorobenzene	ND		0.48	0.096	ug/m3			02/10/21 06:06	1
1,4-Dichlorobenzene	ND		0.48	0.096	ug/m3			02/10/21 06:06	1
1,4-Dioxane	ND		0.72	0.11	ug/m3			02/10/21 06:06	1
1-Methylnaphthalene	ND		5.8	1.5	ug/m3			02/10/21 06:06	1
2,2,4-Trimethylpentane	**0.29**	**J**	0.93	0.037	ug/m3			02/10/21 06:06	1
2-Butanone (MEK)	**0.81**	**J**	0.94	0.22	ug/m3			02/10/21 06:06	1
2-Chlorotoluene	ND		0.83	0.083	ug/m3			02/10/21 06:06	1
2-Hexanone	ND		0.82	0.066	ug/m3			02/10/21 06:06	1
2-Methylnaphthalene	ND		5.8	1.6	ug/m3			02/10/21 06:06	1
3-Chloropropene	ND		0.25	0.072	ug/m3			02/10/21 06:06	1
4-Ethyltoluene	**0.15**	**J**	0.79	0.10	ug/m3			02/10/21 06:06	1
4-Methyl-2-pentanone (MIBK)	ND		0.82	0.22	ug/m3			02/10/21 06:06	1
Acetone	**59**		4.8	1.4	ug/m3			02/10/21 06:06	1
Benzene	**0.63**	**B**	0.26	0.026	ug/m3			02/10/21 06:06	1
Benzyl chloride	ND		0.83	0.20	ug/m3			02/10/21 06:06	1
Bromodichloromethane	ND		0.54	0.12	ug/m3			02/10/21 06:06	1
Bromoform	ND		0.83	0.093	ug/m3			02/10/21 06:06	1
Bromomethane	**0.095**	**J**	0.31	0.085	ug/m3			02/10/21 06:06	1
Butane	**3.4**		0.38	0.20	ug/m3			02/10/21 06:06	1
Carbon disulfide	**0.11**	**J B**	0.62	0.034	ug/m3			02/10/21 06:06	1
Carbon tetrachloride	**0.49**		0.20	0.044	ug/m3			02/10/21 06:06	1
Chlorobenzene	**0.043**	**J B**	0.37	0.028	ug/m3			02/10/21 06:06	1
Chloroethane	ND		0.21	0.077	ug/m3			02/10/21 06:06	1
Chloroform	**0.12**	**J**	0.39	0.034	ug/m3			02/10/21 06:06	1
Chloromethane	**1.4**		0.41	0.14	ug/m3			02/10/21 06:06	1
cis-1,2-Dichloroethene	ND		0.16	0.040	ug/m3			02/10/21 06:06	1
cis-1,3-Dichloropropene	ND		0.36	0.073	ug/m3			02/10/21 06:06	1
Cyclohexane	**0.21**	**J**	0.69	0.079	ug/m3			02/10/21 06:06	1
Decane	**0.60**	**J**	2.3	0.22	ug/m3			02/10/21 06:06	1
Dibromochloromethane	ND		0.68	0.060	ug/m3			02/10/21 06:06	1
Dichlorodifluoromethane	**1.3**		0.40	0.069	ug/m3			02/10/21 06:06	1
Dodecane	**0.45**	**J**	2.8	0.45	ug/m3			02/10/21 06:06	1
Ethanol	**1200**	**E**	3.8	1.6	ug/m3			02/10/21 06:06	1
Ethylbenzene	**0.28**	**J**	0.35	0.056	ug/m3			02/10/21 06:06	1
Heptane	**0.33**	**J**	0.82	0.057	ug/m3			02/10/21 06:06	1
Hexachlorobutadiene	ND		0.85	0.34	ug/m3			02/10/21 06:06	1
Hexane	**1.2**		0.70	0.046	ug/m3			02/10/21 06:06	1
Isopropyl alcohol	**190**	**E**	2.0	0.54	ug/m3			02/10/21 06:06	1
Methyl tert-butyl ether	ND		0.58	0.19	ug/m3			02/10/21 06:06	1
Methylene Chloride	**6.1**		1.4	1.4	ug/m3			02/10/21 06:06	1
m-Xylene & p-Xylene	**0.97**		0.35	0.13	ug/m3			02/10/21 06:06	1
Naphthalene	ND		1.0	0.40	ug/m3			02/10/21 06:06	1
Nonane	**0.23**	**J**	1.0	0.094	ug/m3			02/10/21 06:06	1
Octane	**0.19**	**J**	0.75	0.075	ug/m3			02/10/21 06:06	1
o-Xylene	**0.36**		0.35	0.065	ug/m3			02/10/21 06:06	1

Client Sample ID: GPEC-IA 327 — Lab Sample ID: 140-21885-4

Date Collected: 02/04/21 15:16 — **Matrix: Air**
Date Received: 02/06/21 09:15
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
Pentane	**0.98**	**J**	1.2	0.23	ug/m3			02/10/21 06:06	1
Styrene	ND	*+	0.34	0.10	ug/m3			02/10/21 06:06	1
tert-Butyl alcohol	**1.0**		0.97	0.27	ug/m3			02/10/21 06:06	1
Tetrachloroethene	**0.46**	**J**	0.54	0.047	ug/m3			02/10/21 06:06	1
Toluene	**2.2**		0.45	0.29	ug/m3			02/10/21 06:06	1
trans-1,2-Dichloroethene	ND		0.32	0.028	ug/m3			02/10/21 06:06	1
trans-1,3-Dichloropropene	ND		0.36	0.041	ug/m3			02/10/21 06:06	1
Trichloroethene	ND		0.19	0.032	ug/m3			02/10/21 06:06	1
Trichlorofluoromethane	**1.4**		0.45	0.062	ug/m3			02/10/21 06:06	1
Undecane	ND		2.6	0.31	ug/m3			02/10/21 06:06	1
Vinyl bromide	ND		0.35	0.087	ug/m3			02/10/21 06:06	1
Vinyl chloride	ND		0.10	0.066	ug/m3			02/10/21 06:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,2,3,4-Tetramethylbenzene TIC	*ND*		*ppb v/v*			*488-23-3*		*02/10/21 06:06*	*1*
1,2,3,5-Tetramethylbenzene TIC	*ND*		*ppb v/v*			*527-53-7*		*02/10/21 06:06*	*1*
Indane TIC	*ND*		*ppb v/v*			*496-11-7*		*02/10/21 06:06*	*1*
Indene TIC	*ND*		*ppb v/v*			*95-13-6*		*02/10/21 06:06*	*1*
Thiophene TIC	*ND*		*ppb v/v*			*110-02-1*		*02/10/21 06:06*	*1*

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,2,3,4-Tetramethylbenzene TIC	*ND*		*ug/m3*			*488-23-3*		*02/10/21 06:06*	*1*
1,2,3,5-Tetramethylbenzene TIC	*ND*		*ug/m3*			*527-53-7*		*02/10/21 06:06*	*1*
Indane TIC	*ND*		*ug/m3*			*496-11-7*		*02/10/21 06:06*	*1*
Indene TIC	*ND*		*ug/m3*			*95-13-6*		*02/10/21 06:06*	*1*
Thiophene TIC	*ND*		*ug/m3*			*110-02-1*		*02/10/21 06:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 140*		*02/10/21 06:06*	*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
Ethanol	**1100**		40	17	ppb v/v			02/12/21 02:21	1
Isopropyl alcohol	**65**		16	4.4	ppb v/v			02/12/21 02:21	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	**2000**		75	33	ug/m3			02/12/21 02:21	1
Isopropyl alcohol	**160**		39	11	ug/m3			02/12/21 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 140*		*02/12/21 02:21*	*1*

Client Sample ID: GPEC-OA GATEHOUSE — Lab Sample ID: 140-21885-5

Date Collected: 02/04/21 15:18 — **Matrix: Air**
Date Received: 02/06/21 09:15
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	0.037	ppb v/v			02/10/21 07:03	1
1,1,2,2-Tetrachloroethane	ND		0.080	0.014	ppb v/v			02/10/21 07:03	1

Client Sample ID: GPEC-OA GATEHOUSE

Lab Sample ID: 140-21885-5
Matrix: Air
Date Collected: 02/04/21 15:18
Date Received: 02/06/21 09:15
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-Trichloro-1,2,2-trifluoroethane	**0.071**	**J**	0.080	0.0080	ppb v/v			02/10/21 07:03	1
1,1,2-Trichloroethane	ND		0.080	0.0070	ppb v/v			02/10/21 07:03	1
1,1-Dichloroethane	ND		0.080	0.0070	ppb v/v			02/10/21 07:03	1
1,1-Dichloroethene	ND		0.040	0.0080	ppb v/v			02/10/21 07:03	1
1,2,3-Trimethylbenzene	ND		0.080	0.036	ppb v/v			02/10/21 07:03	1
1,2,4-Trichlorobenzene	ND		0.080	0.064	ppb v/v			02/10/21 07:03	1
1,2,4-Trimethylbenzene	**0.041**	**J**	0.080	0.020	ppb v/v			02/10/21 07:03	1
1,2-Dibromoethane (EDB)	ND		0.080	0.0070	ppb v/v			02/10/21 07:03	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.080	0.012	ppb v/v			02/10/21 07:03	1
1,2-Dichlorobenzene	ND		0.080	0.031	ppb v/v			02/10/21 07:03	1
1,2-Dichloroethane	**0.021**	**J**	0.080	0.010	ppb v/v			02/10/21 07:03	1
1,2-Dichloropropane	ND		0.080	0.010	ppb v/v			02/10/21 07:03	1
1,3,5-Trimethylbenzene	ND		0.080	0.022	ppb v/v			02/10/21 07:03	1
1,3-Butadiene	ND		0.16	0.019	ppb v/v			02/10/21 07:03	1
1,3-Dichlorobenzene	ND		0.080	0.016	ppb v/v			02/10/21 07:03	1
1,4-Dichlorobenzene	ND		0.080	0.016	ppb v/v			02/10/21 07:03	1
1,4-Dioxane	ND		0.20	0.030	ppb v/v			02/10/21 07:03	1
1-Methylnaphthalene	ND		1.0	0.26	ppb v/v			02/10/21 07:03	1
2,2,4-Trimethylpentane	**0.057**	**J**	0.20	0.0080	ppb v/v			02/10/21 07:03	1
2-Butanone (MEK)	**0.16**	**J**	0.32	0.073	ppb v/v			02/10/21 07:03	1
2-Chlorotoluene	ND		0.16	0.016	ppb v/v			02/10/21 07:03	1
2-Hexanone	ND		0.20	0.016	ppb v/v			02/10/21 07:03	1
2-Methylnaphthalene	ND		1.0	0.27	ppb v/v			02/10/21 07:03	1
3-Chloropropene	ND		0.080	0.023	ppb v/v			02/10/21 07:03	1
4-Ethyltoluene	ND		0.16	0.021	ppb v/v			02/10/21 07:03	1
4-Methyl-2-pentanone (MIBK)	ND		0.20	0.054	ppb v/v			02/10/21 07:03	1
Acetone	**1.9**	**J**	2.0	0.57	ppb v/v			02/10/21 07:03	1
Benzene	**0.19**	**B**	0.080	0.0080	ppb v/v			02/10/21 07:03	1
Benzyl chloride	ND		0.16	0.038	ppb v/v			02/10/21 07:03	1
Bromodichloromethane	ND		0.080	0.018	ppb v/v			02/10/21 07:03	1
Bromoform	ND		0.080	0.0090	ppb v/v			02/10/21 07:03	1
Bromomethane	ND		0.080	0.022	ppb v/v			02/10/21 07:03	1
Butane	**1.1**		0.16	0.083	ppb v/v			02/10/21 07:03	1
Carbon disulfide	**0.036**	**J B**	0.20	0.011	ppb v/v			02/10/21 07:03	1
Carbon tetrachloride	**0.076**		0.032	0.0070	ppb v/v			02/10/21 07:03	1
Chlorobenzene	**0.0072**	**J B**	0.080	0.0060	ppb v/v			02/10/21 07:03	1
Chloroethane	ND		0.080	0.029	ppb v/v			02/10/21 07:03	1
Chloroform	**0.022**	**J**	0.080	0.0070	ppb v/v			02/10/21 07:03	1
Chloromethane	**0.57**		0.20	0.066	ppb v/v			02/10/21 07:03	1
cis-1,2-Dichloroethene	ND		0.040	0.010	ppb v/v			02/10/21 07:03	1
cis-1,3-Dichloropropene	ND		0.080	0.016	ppb v/v			02/10/21 07:03	1
Cyclohexane	**0.068**	**J**	0.20	0.023	ppb v/v			02/10/21 07:03	1
Decane	**0.058**	**J**	0.40	0.038	ppb v/v			02/10/21 07:03	1
Dibromochloromethane	ND		0.080	0.0070	ppb v/v			02/10/21 07:03	1
Dichlorodifluoromethane	**0.29**		0.080	0.014	ppb v/v			02/10/21 07:03	1
Dodecane	ND		0.40	0.064	ppb v/v			02/10/21 07:03	1
Ethanol	**9.7**		2.0	0.87	ppb v/v			02/10/21 07:03	1
Ethylbenzene	**0.053**	**J**	0.080	0.013	ppb v/v			02/10/21 07:03	1

Client Sample ID: GPEC-OA GATEHOUSE
Lab Sample ID: 140-21885-5

Date Collected: 02/04/21 15:18
Matrix: Air
Date Received: 02/06/21 09:15
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
Heptane	**0.060**	**J**	0.20	0.014	ppb v/v			02/10/21 07:03	1
Hexachlorobutadiene	ND		0.080	0.032	ppb v/v			02/10/21 07:03	1
Hexane	**0.13**	**J**	0.20	0.013	ppb v/v			02/10/21 07:03	1
Isopropyl alcohol	**1.4**		0.80	0.22	ppb v/v			02/10/21 07:03	1
Methyl tert-butyl ether	ND		0.16	0.052	ppb v/v			02/10/21 07:03	1
Methylene Chloride	ND		0.40	0.39	ppb v/v			02/10/21 07:03	1
m-Xylene & p-Xylene	**0.19**		0.080	0.029	ppb v/v			02/10/21 07:03	1
Naphthalene	ND		0.20	0.076	ppb v/v			02/10/21 07:03	1
Nonane	**0.035**	**J**	0.20	0.018	ppb v/v			02/10/21 07:03	1
Octane	**0.030**	**J**	0.16	0.016	ppb v/v			02/10/21 07:03	1
o-Xylene	**0.076**	**J**	0.080	0.015	ppb v/v			02/10/21 07:03	1
Pentane	**0.32**	**J**	0.40	0.079	ppb v/v			02/10/21 07:03	1
Styrene	ND	*+	0.080	0.024	ppb v/v			02/10/21 07:03	1
tert-Butyl alcohol	ND		0.32	0.088	ppb v/v			02/10/21 07:03	1
Tetrachloroethene	**0.049**	**J**	0.080	0.0070	ppb v/v			02/10/21 07:03	1
Toluene	**0.47**		0.12	0.078	ppb v/v			02/10/21 07:03	1
trans-1,2-Dichloroethene	ND		0.080	0.0070	ppb v/v			02/10/21 07:03	1
trans-1,3-Dichloropropene	ND		0.080	0.0090	ppb v/v			02/10/21 07:03	1
Trichloroethene	ND		0.036	0.0060	ppb v/v			02/10/21 07:03	1
Trichlorofluoromethane	**0.24**		0.080	0.011	ppb v/v			02/10/21 07:03	1
Undecane	**0.058**	**J**	0.40	0.048	ppb v/v			02/10/21 07:03	1
Vinyl bromide	ND		0.080	0.020	ppb v/v			02/10/21 07:03	1
Vinyl chloride	ND		0.040	0.026	ppb v/v			02/10/21 07:03	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44	0.20	ug/m3			02/10/21 07:03	1
1,1,2,2-Tetrachloroethane	ND		0.55	0.096	ug/m3			02/10/21 07:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**0.54**	**J**	0.61	0.061	ug/m3			02/10/21 07:03	1
1,1,2-Trichloroethane	ND		0.44	0.038	ug/m3			02/10/21 07:03	1
1,1-Dichloroethane	ND		0.32	0.028	ug/m3			02/10/21 07:03	1
1,1-Dichloroethene	ND		0.16	0.032	ug/m3			02/10/21 07:03	1
1,2,3-Trimethylbenzene	ND		0.39	0.18	ug/m3			02/10/21 07:03	1
1,2,4-Trichlorobenzene	ND		0.59	0.47	ug/m3			02/10/21 07:03	1
1,2,4-Trimethylbenzene	**0.20**	**J**	0.39	0.098	ug/m3			02/10/21 07:03	1
1,2-Dibromoethane (EDB)	ND		0.61	0.054	ug/m3			02/10/21 07:03	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.56	0.084	ug/m3			02/10/21 07:03	1
1,2-Dichlorobenzene	ND		0.48	0.19	ug/m3			02/10/21 07:03	1
1,2-Dichloroethane	**0.086**	**J**	0.32	0.040	ug/m3			02/10/21 07:03	1
1,2-Dichloropropane	ND		0.37	0.046	ug/m3			02/10/21 07:03	1
1,3,5-Trimethylbenzene	ND		0.39	0.11	ug/m3			02/10/21 07:03	1
1,3-Butadiene	ND		0.35	0.042	ug/m3			02/10/21 07:03	1
1,3-Dichlorobenzene	ND		0.48	0.096	ug/m3			02/10/21 07:03	1
1,4-Dichlorobenzene	ND		0.48	0.096	ug/m3			02/10/21 07:03	1
1,4-Dioxane	ND		0.72	0.11	ug/m3			02/10/21 07:03	1
1-Methylnaphthalene	ND		5.8	1.5	ug/m3			02/10/21 07:03	1
2,2,4-Trimethylpentane	**0.27**	**J**	0.93	0.037	ug/m3			02/10/21 07:03	1
2-Butanone (MEK)	**0.46**	**J**	0.94	0.22	ug/m3			02/10/21 07:03	1
2-Chlorotoluene	ND		0.83	0.083	ug/m3			02/10/21 07:03	1

Client Sample ID: GPEC-OA GATEHOUSE

Lab Sample ID: 140-21885-5
Matrix: Air

Date Collected: 02/04/21 15:18
Date Received: 02/06/21 09:15
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-Hexanone	ND		0.82	0.066	ug/m3			02/10/21 07:03	1
2-Methylnaphthalene	ND		5.8	1.6	ug/m3			02/10/21 07:03	1
3-Chloropropene	ND		0.25	0.072	ug/m3			02/10/21 07:03	1
4-Ethyltoluene	ND		0.79	0.10	ug/m3			02/10/21 07:03	1
4-Methyl-2-pentanone (MIBK)	ND		0.82	0.22	ug/m3			02/10/21 07:03	1
Acetone	**4.4**	**J**	4.8	1.4	ug/m3			02/10/21 07:03	1
Benzene	**0.60**	**B**	0.26	0.026	ug/m3			02/10/21 07:03	1
Benzyl chloride	ND		0.83	0.20	ug/m3			02/10/21 07:03	1
Bromodichloromethane	ND		0.54	0.12	ug/m3			02/10/21 07:03	1
Bromoform	ND		0.83	0.093	ug/m3			02/10/21 07:03	1
Bromomethane	ND		0.31	0.085	ug/m3			02/10/21 07:03	1
Butane	**2.7**		0.38	0.20	ug/m3			02/10/21 07:03	1
Carbon disulfide	**0.11**	**J B**	0.62	0.034	ug/m3			02/10/21 07:03	1
Carbon tetrachloride	**0.48**		0.20	0.044	ug/m3			02/10/21 07:03	1
Chlorobenzene	**0.033**	**J B**	0.37	0.028	ug/m3			02/10/21 07:03	1
Chloroethane	ND		0.21	0.077	ug/m3			02/10/21 07:03	1
Chloroform	**0.11**	**J**	0.39	0.034	ug/m3			02/10/21 07:03	1
Chloromethane	**1.2**		0.41	0.14	ug/m3			02/10/21 07:03	1
cis-1,2-Dichloroethene	ND		0.16	0.040	ug/m3			02/10/21 07:03	1
cis-1,3-Dichloropropene	ND		0.36	0.073	ug/m3			02/10/21 07:03	1
Cyclohexane	**0.23**	**J**	0.69	0.079	ug/m3			02/10/21 07:03	1
Decane	**0.34**	**J**	2.3	0.22	ug/m3			02/10/21 07:03	1
Dibromochloromethane	ND		0.68	0.060	ug/m3			02/10/21 07:03	1
Dichlorodifluoromethane	**1.4**		0.40	0.069	ug/m3			02/10/21 07:03	1
Dodecane	ND		2.8	0.45	ug/m3			02/10/21 07:03	1
Ethanol	**18**		3.8	1.6	ug/m3			02/10/21 07:03	1
Ethylbenzene	**0.23**	**J**	0.35	0.056	ug/m3			02/10/21 07:03	1
Heptane	**0.24**	**J**	0.82	0.057	ug/m3			02/10/21 07:03	1
Hexachlorobutadiene	ND		0.85	0.34	ug/m3			02/10/21 07:03	1
Hexane	**0.48**	**J**	0.70	0.046	ug/m3			02/10/21 07:03	1
Isopropyl alcohol	**3.5**		2.0	0.54	ug/m3			02/10/21 07:03	1
Methyl tert-butyl ether	ND		0.58	0.19	ug/m3			02/10/21 07:03	1
Methylene Chloride	ND		1.4	1.4	ug/m3			02/10/21 07:03	1
m-Xylene & p-Xylene	**0.81**		0.35	0.13	ug/m3			02/10/21 07:03	1
Naphthalene	ND		1.0	0.40	ug/m3			02/10/21 07:03	1
Nonane	**0.18**	**J**	1.0	0.094	ug/m3			02/10/21 07:03	1
Octane	**0.14**	**J**	0.75	0.075	ug/m3			02/10/21 07:03	1
o-Xylene	**0.33**	**J**	0.35	0.065	ug/m3			02/10/21 07:03	1
Pentane	**0.93**	**J**	1.2	0.23	ug/m3			02/10/21 07:03	1
Styrene	ND	*+	0.34	0.10	ug/m3			02/10/21 07:03	1
tert-Butyl alcohol	ND		0.97	0.27	ug/m3			02/10/21 07:03	1
Tetrachloroethene	**0.33**	**J**	0.54	0.047	ug/m3			02/10/21 07:03	1
Toluene	**1.8**		0.45	0.29	ug/m3			02/10/21 07:03	1
trans-1,2-Dichloroethene	ND		0.32	0.028	ug/m3			02/10/21 07:03	1
trans-1,3-Dichloropropene	ND		0.36	0.041	ug/m3			02/10/21 07:03	1
Trichloroethene	ND		0.19	0.032	ug/m3			02/10/21 07:03	1
Trichlorofluoromethane	**1.3**		0.45	0.062	ug/m3			02/10/21 07:03	1
Undecane	**0.37**	**J**	2.6	0.31	ug/m3			02/10/21 07:03	1

Client Sample ID: GPEC-OA GATEHOUSE — Lab Sample ID: 140-21885-5

Date Collected: 02/04/21 15:18 — **Matrix: Air**
Date Received: 02/06/21 09:15
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
Vinyl bromide	ND		0.35	0.087	ug/m3			02/10/21 07:03	1
Vinyl chloride	ND		0.10	0.066	ug/m3			02/10/21 07:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,2,3,4-Tetramethylbenzene TIC	*ND*		*ppb v/v*			*488-23-3*		*02/10/21 07:03*	*1*
1,2,3,5-Tetramethylbenzene TIC	*ND*		*ppb v/v*			*527-53-7*		*02/10/21 07:03*	*1*
Indane TIC	*ND*		*ppb v/v*			*496-11-7*		*02/10/21 07:03*	*1*
Indene TIC	*ND*		*ppb v/v*			*95-13-6*		*02/10/21 07:03*	*1*
Thiophene TIC	*ND*		*ppb v/v*			*110-02-1*		*02/10/21 07:03*	*1*

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,2,3,4-Tetramethylbenzene TIC	*ND*		*ug/m3*			*488-23-3*		*02/10/21 07:03*	*1*
1,2,3,5-Tetramethylbenzene TIC	*ND*		*ug/m3*			*527-53-7*		*02/10/21 07:03*	*1*
Indane TIC	*ND*		*ug/m3*			*496-11-7*		*02/10/21 07:03*	*1*
Indene TIC	*ND*		*ug/m3*			*95-13-6*		*02/10/21 07:03*	*1*
Thiophene TIC	*ND*		*ug/m3*			*110-02-1*		*02/10/21 07:03*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 140*		*02/10/21 07:03*	*1*

Client Sample ID: GPEC-XX 020421 — Lab Sample ID: 140-21885-6

Date Collected: 02/04/21 00:00 — **Matrix: Air**
Date Received: 02/06/21 09:15
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		1.3	0.62	ppb v/v			02/12/21 03:13	1
1,1,2,2-Tetrachloroethane	ND		1.3	0.23	ppb v/v			02/12/21 03:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.3	0.13	ppb v/v			02/12/21 03:13	1
1,1,2-Trichloroethane	ND		1.3	0.12	ppb v/v			02/12/21 03:13	1
1,1-Dichloroethane	ND		1.3	0.12	ppb v/v			02/12/21 03:13	1
1,1-Dichloroethene	ND		0.67	0.13	ppb v/v			02/12/21 03:13	1
1,2,3-Trimethylbenzene	ND		1.3	0.60	ppb v/v			02/12/21 03:13	1
1,2,4-Trichlorobenzene	ND		1.3	1.1	ppb v/v			02/12/21 03:13	1
1,2,4-Trimethylbenzene	ND		1.3	0.33	ppb v/v			02/12/21 03:13	1
1,2-Dibromoethane (EDB)	ND		1.3	0.12	ppb v/v			02/12/21 03:13	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		1.3	0.20	ppb v/v			02/12/21 03:13	1
1,2-Dichlorobenzene	ND		1.3	0.52	ppb v/v			02/12/21 03:13	1
1,2-Dichloroethane	ND		1.3	0.17	ppb v/v			02/12/21 03:13	1
1,2-Dichloropropane	ND		1.3	0.17	ppb v/v			02/12/21 03:13	1
1,3,5-Trimethylbenzene	ND		1.3	0.37	ppb v/v			02/12/21 03:13	1
1,3-Butadiene	ND		2.7	0.32	ppb v/v			02/12/21 03:13	1
1,3-Dichlorobenzene	ND		1.3	0.27	ppb v/v			02/12/21 03:13	1
1,4-Dichlorobenzene	ND		1.3	0.27	ppb v/v			02/12/21 03:13	1
1,4-Dioxane	ND		3.3	0.50	ppb v/v			02/12/21 03:13	1
1-Methylnaphthalene	ND		17	4.3	ppb v/v			02/12/21 03:13	1
2,2,4-Trimethylpentane	ND		3.3	0.13	ppb v/v			02/12/21 03:13	1
2-Butanone (MEK)	ND		5.3	1.2	ppb v/v			02/12/21 03:13	1
2-Chlorotoluene	ND		2.7	0.27	ppb v/v			02/12/21 03:13	1

Client Sample ID: GPEC-XX 020421 Lab Sample ID: 140-21885-6

Date Collected: 02/04/21 00:00 **Matrix: Air**
Date Received: 02/06/21 09:15
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-Hexanone	ND		3.3	0.27	ppb v/v			02/12/21 03:13	1
2-Methylnaphthalene	ND		17	4.5	ppb v/v			02/12/21 03:13	1
3-Chloropropene	ND		1.3	0.38	ppb v/v			02/12/21 03:13	1
4-Ethyltoluene	ND		2.7	0.35	ppb v/v			02/12/21 03:13	1
4-Methyl-2-pentanone (MIBK)	ND		3.3	0.90	ppb v/v			02/12/21 03:13	1
Acetone	**17**	**J**	33	9.5	ppb v/v			02/12/21 03:13	1
Benzene	**0.27**	**J**	1.3	0.13	ppb v/v			02/12/21 03:13	1
Benzyl chloride	ND		2.7	0.63	ppb v/v			02/12/21 03:13	1
Bromodichloromethane	ND		1.3	0.30	ppb v/v			02/12/21 03:13	1
Bromoform	ND		1.3	0.15	ppb v/v			02/12/21 03:13	1
Bromomethane	ND		1.3	0.37	ppb v/v			02/12/21 03:13	1
Butane	**6.8**		2.7	1.4	ppb v/v			02/12/21 03:13	1
Carbon disulfide	ND		3.3	0.18	ppb v/v			02/12/21 03:13	1
Carbon tetrachloride	ND		0.53	0.12	ppb v/v			02/12/21 03:13	1
Chlorobenzene	ND		1.3	0.10	ppb v/v			02/12/21 03:13	1
Chloroethane	ND		1.3	0.48	ppb v/v			02/12/21 03:13	1
Chloroform	ND		1.3	0.12	ppb v/v			02/12/21 03:13	1
Chloromethane	**1.2**	**J**	3.3	1.1	ppb v/v			02/12/21 03:13	1
cis-1,2-Dichloroethene	ND		0.67	0.17	ppb v/v			02/12/21 03:13	1
cis-1,3-Dichloropropene	ND		1.3	0.27	ppb v/v			02/12/21 03:13	1
Cyclohexane	ND		3.3	0.38	ppb v/v			02/12/21 03:13	1
Decane	ND		6.7	0.63	ppb v/v			02/12/21 03:13	1
Dibromochloromethane	ND		1.3	0.12	ppb v/v			02/12/21 03:13	1
Dichlorodifluoromethane	**0.49**	**J**	1.3	0.23	ppb v/v			02/12/21 03:13	1
Dodecane	ND		6.7	1.1	ppb v/v			02/12/21 03:13	1
Ethanol	**830**		33	15	ppb v/v			02/12/21 03:13	1
Ethylbenzene	ND		1.3	0.22	ppb v/v			02/12/21 03:13	1
Heptane	ND		3.3	0.23	ppb v/v			02/12/21 03:13	1
Hexachlorobutadiene	ND		1.3	0.53	ppb v/v			02/12/21 03:13	1
Hexane	ND		3.3	0.22	ppb v/v			02/12/21 03:13	1
Isopropyl alcohol	**13**		13	3.7	ppb v/v			02/12/21 03:13	1
Methyl tert-butyl ether	ND		2.7	0.87	ppb v/v			02/12/21 03:13	1
Methylene Chloride	ND		6.7	6.5	ppb v/v			02/12/21 03:13	1
m-Xylene & p-Xylene	ND		1.3	0.48	ppb v/v			02/12/21 03:13	1
Naphthalene	ND		3.3	1.3	ppb v/v			02/12/21 03:13	1
Nonane	ND		3.3	0.30	ppb v/v			02/12/21 03:13	1
Octane	ND		2.7	0.27	ppb v/v			02/12/21 03:13	1
o-Xylene	ND		1.3	0.25	ppb v/v			02/12/21 03:13	1
Pentane	ND		6.7	1.3	ppb v/v			02/12/21 03:13	1
Styrene	ND		1.3	0.40	ppb v/v			02/12/21 03:13	1
tert-Butyl alcohol	ND		5.3	1.5	ppb v/v			02/12/21 03:13	1
Tetrachloroethene	**0.14**	**J**	1.3	0.12	ppb v/v			02/12/21 03:13	1
Toluene	ND		2.0	1.3	ppb v/v			02/12/21 03:13	1
trans-1,2-Dichloroethene	ND		1.3	0.12	ppb v/v			02/12/21 03:13	1
trans-1,3-Dichloropropene	ND		1.3	0.15	ppb v/v			02/12/21 03:13	1
Trichloroethene	**0.29**	**J**	0.60	0.10	ppb v/v			02/12/21 03:13	1
Trichlorofluoromethane	**0.22**	**J**	1.3	0.18	ppb v/v			02/12/21 03:13	1
Undecane	ND		6.7	0.80	ppb v/v			02/12/21 03:13	1

Client Sample ID: GPEC-XX 020421 — Lab Sample ID: 140-21885-6

Date Collected: 02/04/21 00:00 — **Matrix: Air**
Date Received: 02/06/21 09:15
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
Vinyl bromide	ND		1.3	0.33	ppb v/v			02/12/21 03:13	1
Vinyl chloride	ND		0.67	0.43	ppb v/v			02/12/21 03:13	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		7.3	3.4	ug/m3			02/12/21 03:13	1
1,1,2,2-Tetrachloroethane	ND		9.2	1.6	ug/m3			02/12/21 03:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	1.0	ug/m3			02/12/21 03:13	1
1,1,2-Trichloroethane	ND		7.3	0.64	ug/m3			02/12/21 03:13	1
1,1-Dichloroethane	ND		5.4	0.47	ug/m3			02/12/21 03:13	1
1,1-Dichloroethene	ND		2.6	0.53	ug/m3			02/12/21 03:13	1
1,2,3-Trimethylbenzene	ND		6.6	2.9	ug/m3			02/12/21 03:13	1
1,2,4-Trichlorobenzene	ND		9.9	7.9	ug/m3			02/12/21 03:13	1
1,2,4-Trimethylbenzene	ND		6.6	1.6	ug/m3			02/12/21 03:13	1
1,2-Dibromoethane (EDB)	ND		10	0.90	ug/m3			02/12/21 03:13	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		9.3	1.4	ug/m3			02/12/21 03:13	1
1,2-Dichlorobenzene	ND		8.0	3.1	ug/m3			02/12/21 03:13	1
1,2-Dichloroethane	ND		5.4	0.67	ug/m3			02/12/21 03:13	1
1,2-Dichloropropane	ND		6.2	0.77	ug/m3			02/12/21 03:13	1
1,3,5-Trimethylbenzene	ND		6.6	1.8	ug/m3			02/12/21 03:13	1
1,3-Butadiene	ND		5.9	0.70	ug/m3			02/12/21 03:13	1
1,3-Dichlorobenzene	ND		8.0	1.6	ug/m3			02/12/21 03:13	1
1,4-Dichlorobenzene	ND		8.0	1.6	ug/m3			02/12/21 03:13	1
1,4-Dioxane	ND		12	1.8	ug/m3			02/12/21 03:13	1
1-Methylnaphthalene	ND		97	25	ug/m3			02/12/21 03:13	1
2,2,4-Trimethylpentane	ND		16	0.62	ug/m3			02/12/21 03:13	1
2-Butanone (MEK)	ND		16	3.6	ug/m3			02/12/21 03:13	1
2-Chlorotoluene	ND		14	1.4	ug/m3			02/12/21 03:13	1
2-Hexanone	ND		14	1.1	ug/m3			02/12/21 03:13	1
2-Methylnaphthalene	ND		97	26	ug/m3			02/12/21 03:13	1
3-Chloropropene	ND		4.2	1.2	ug/m3			02/12/21 03:13	1
4-Ethyltoluene	ND		13	1.7	ug/m3			02/12/21 03:13	1
4-Methyl-2-pentanone (MIBK)	ND		14	3.7	ug/m3			02/12/21 03:13	1
Acetone	**40**	**J**	79	23	ug/m3			02/12/21 03:13	1
Benzene	**0.87**	**J**	4.3	0.43	ug/m3			02/12/21 03:13	1
Benzyl chloride	ND		14	3.3	ug/m3			02/12/21 03:13	1
Bromodichloromethane	ND		8.9	2.0	ug/m3			02/12/21 03:13	1
Bromoform	ND		14	1.6	ug/m3			02/12/21 03:13	1
Bromomethane	ND		5.2	1.4	ug/m3			02/12/21 03:13	1
Butane	**16**		6.3	3.3	ug/m3			02/12/21 03:13	1
Carbon disulfide	ND		10	0.57	ug/m3			02/12/21 03:13	1
Carbon tetrachloride	ND		3.4	0.73	ug/m3			02/12/21 03:13	1
Chlorobenzene	ND		6.1	0.46	ug/m3			02/12/21 03:13	1
Chloroethane	ND		3.5	1.3	ug/m3			02/12/21 03:13	1
Chloroform	ND		6.5	0.57	ug/m3			02/12/21 03:13	1
Chloromethane	**2.5**	**J**	6.9	2.3	ug/m3			02/12/21 03:13	1
cis-1,2-Dichloroethene	ND		2.6	0.66	ug/m3			02/12/21 03:13	1
cis-1,3-Dichloropropene	ND		6.1	1.2	ug/m3			02/12/21 03:13	1
Cyclohexane	ND		11	1.3	ug/m3			02/12/21 03:13	1
Decane	ND		39	3.7	ug/m3			02/12/21 03:13	1

Client Sample ID: GPEC-XX 020421 Lab Sample ID: 140-21885-6

Date Collected: 02/04/21 00:00 **Matrix: Air**
Date Received: 02/06/21 09:15
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
Dibromochloromethane	ND		11	0.99	ug/m3			02/12/21 03:13	1
Dichlorodifluoromethane	**2.4**	**J**	6.6	1.2	ug/m3			02/12/21 03:13	1
Dodecane	ND		46	7.4	ug/m3			02/12/21 03:13	1
Ethanol	**1600**		63	27	ug/m3			02/12/21 03:13	1
Ethylbenzene	ND		5.8	0.94	ug/m3			02/12/21 03:13	1
Heptane	ND		14	0.96	ug/m3			02/12/21 03:13	1
Hexachlorobutadiene	ND		14	5.7	ug/m3			02/12/21 03:13	1
Hexane	ND		12	0.76	ug/m3			02/12/21 03:13	1
Isopropyl alcohol	**32**		33	9.0	ug/m3			02/12/21 03:13	1
Methyl tert-butyl ether	ND		9.6	3.1	ug/m3			02/12/21 03:13	1
Methylene Chloride	ND		23	23	ug/m3			02/12/21 03:13	1
m-Xylene & p-Xylene	ND		5.8	2.1	ug/m3			02/12/21 03:13	1
Naphthalene	ND		17	6.6	ug/m3			02/12/21 03:13	1
Nonane	ND		17	1.6	ug/m3			02/12/21 03:13	1
Octane	ND		12	1.2	ug/m3			02/12/21 03:13	1
o-Xylene	ND		5.8	1.1	ug/m3			02/12/21 03:13	1
Pentane	ND		20	3.9	ug/m3			02/12/21 03:13	1
Styrene	ND		5.7	1.7	ug/m3			02/12/21 03:13	1
tert-Butyl alcohol	ND		16	4.4	ug/m3			02/12/21 03:13	1
Tetrachloroethene	**0.95**	**J**	9.0	0.79	ug/m3			02/12/21 03:13	1
Toluene	ND		7.5	4.9	ug/m3			02/12/21 03:13	1
trans-1,2-Dichloroethene	ND		5.3	0.46	ug/m3			02/12/21 03:13	1
trans-1,3-Dichloropropene	ND		6.1	0.68	ug/m3			02/12/21 03:13	1
Trichloroethene	**1.6**	**J**	3.2	0.54	ug/m3			02/12/21 03:13	1
Trichlorofluoromethane	**1.2**	**J**	7.5	1.0	ug/m3			02/12/21 03:13	1
Undecane	ND		43	5.1	ug/m3			02/12/21 03:13	1
Vinyl bromide	ND		5.8	1.5	ug/m3			02/12/21 03:13	1
Vinyl chloride	ND		1.7	1.1	ug/m3			02/12/21 03:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,2,3,4-Tetramethylbenzene TIC	*ND*		*ppb v/v*			*488-23-3*		*02/12/21 03:13*	*1*
1,2,3,5-Tetramethylbenzene TIC	*ND*		*ppb v/v*			*527-53-7*		*02/12/21 03:13*	*1*
Indane TIC	*ND*		*ppb v/v*			*496-11-7*		*02/12/21 03:13*	*1*
Indene TIC	*ND*		*ppb v/v*			*95-13-6*		*02/12/21 03:13*	*1*
Thiophene TIC	*ND*		*ppb v/v*			*110-02-1*		*02/12/21 03:13*	*1*

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
1,2,3,4-Tetramethylbenzene TIC	*ND*		*ug/m3*			*488-23-3*		*02/12/21 03:13*	*1*
1,2,3,5-Tetramethylbenzene TIC	*ND*		*ug/m3*			*527-53-7*		*02/12/21 03:13*	*1*
Indane TIC	*ND*		*ug/m3*			*496-11-7*		*02/12/21 03:13*	*1*
Indene TIC	*ND*		*ug/m3*			*95-13-6*		*02/12/21 03:13*	*1*
Thiophene TIC	*ND*		*ug/m3*			*110-02-1*		*02/12/21 03:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 140*		*02/12/21 03:13*	*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-Trichloro-1,2,2-trifluoroethane	0.080	0.0080	ppb v/v
1,1,2-Trichloro-1,2,2-trifluoroethane	0.61	0.061	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-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
1,2,3-Trimethylbenzene	0.080	0.036	ppb v/v
1,2,3-Trimethylbenzene	0.39	0.18	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 (EDB)	0.080	0.0070	ppb v/v
1,2-Dibromoethane (EDB)	0.61	0.054	ug/m3
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.080	0.012	ppb v/v
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.56	0.084	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
1,3,5-Trimethylbenzene	0.080	0.022	ppb v/v
1,3,5-Trimethylbenzene	0.39	0.11	ug/m3
1,3-Butadiene	0.16	0.019	ppb v/v
1,3-Butadiene	0.35	0.042	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
1-Methylnaphthalene	1.0	0.26	ppb v/v
1-Methylnaphthalene	5.8	1.5	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 (MEK)	0.32	0.073	ppb v/v
2-Butanone (MEK)	0.94	0.22	ug/m3
2-Chlorotoluene	0.16	0.016	ppb v/v
2-Chlorotoluene	0.83	0.083	ug/m3
2-Hexanone	0.20	0.016	ppb v/v
2-Hexanone	0.82	0.066	ug/m3
2-Methylnaphthalene	1.0	0.27	ppb v/v
2-Methylnaphthalene	5.8	1.6	ug/m3
3-Chloropropene	0.080	0.023	ppb v/v
3-Chloropropene	0.25	0.072	ug/m3
4-Ethyltoluene	0.16	0.021	ppb v/v

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

Analyte	RL	MDL	Units
4-Ethyltoluene	0.79	0.10	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
Acetone	2.0	0.57	ppb v/v
Acetone	4.8	1.4	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
Butane	0.16	0.083	ppb v/v
Butane	0.38	0.20	ug/m3
Carbon disulfide	0.20	0.011	ppb v/v
Carbon disulfide	0.62	0.034	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
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
Decane	0.40	0.038	ppb v/v
Decane	2.3	0.22	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
Dodecane	0.40	0.064	ppb v/v
Dodecane	2.8	0.45	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
Heptane	0.20	0.014	ppb v/v
Heptane	0.82	0.057	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

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

Analyte	RL	MDL	Units
Isopropyl alcohol	0.80	0.22	ppb v/v
Isopropyl alcohol	2.0	0.54	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
Nonane	0.20	0.018	ppb v/v
Nonane	1.0	0.094	ug/m3
Octane	0.16	0.016	ppb v/v
Octane	0.75	0.075	ug/m3
o-Xylene	0.080	0.015	ppb v/v
o-Xylene	0.35	0.065	ug/m3
Pentane	0.40	0.079	ppb v/v
Pentane	1.2	0.23	ug/m3
Styrene	0.080	0.024	ppb v/v
Styrene	0.34	0.10	ug/m3
tert-Butyl alcohol	0.32	0.088	ppb v/v
tert-Butyl alcohol	0.97	0.27	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	0.0060	ppb v/v
Trichloroethene	0.19	0.032	ug/m3
Trichlorofluoromethane	0.080	0.011	ppb v/v
Trichlorofluoromethane	0.45	0.062	ug/m3
Undecane	0.40	0.048	ppb v/v
Undecane	2.6	0.31	ug/m3
Vinyl bromide	0.080	0.020	ppb v/v
Vinyl bromide	0.35	0.087	ug/m3
Vinyl chloride	0.040	0.026	ppb v/v
Vinyl chloride	0.10	0.066	ug/m3

Surrogate Summary

Client: GEI Consultants, Inc. Job ID: 140-21885-1
Project/Site: Greenpoint Energy Center Former MGP Site

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)								
Lab Sample ID	Client Sample ID	BFB (60-140)								
140-21885-1	GPEC-SV306	98								
140-21885-1 - DL	GPEC-SV306	97								
140-21885-2	GPEC-IA 306	97								
140-21885-2 - DL	GPEC-IA 306	96								
140-21885-3	GPEC-OA FACILITIES	96								
140-21885-4	GPEC-IA 327	97								
140-21885-4 - DL	GPEC-IA 327	96								
140-21885-5	GPEC-OA GATEHOUSE	97								
140-21885-6	GPEC-XX 020421	95								
LCS 140-46753/1002	Lab Control Sample	101								
LCS 140-46842/1002	Lab Control Sample	98								
MB 140-46753/4	Method Blank	97								
MB 140-46842/4	Method Blank	91								

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Lab Sample ID: MB 140-46753/4
Matrix: Air
Analysis Batch: 46753

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	0.037	ppb v/v			02/09/21 15:29	1
1,1,2,2-Tetrachloroethane	ND		0.080	0.014	ppb v/v			02/09/21 15:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.080	0.0080	ppb v/v			02/09/21 15:29	1
1,1,2-Trichloroethane	ND		0.080	0.0070	ppb v/v			02/09/21 15:29	1
1,1-Dichloroethane	ND		0.080	0.0070	ppb v/v			02/09/21 15:29	1
1,1-Dichloroethene	ND		0.040	0.0080	ppb v/v			02/09/21 15:29	1
1,2,3-Trimethylbenzene	ND		0.080	0.036	ppb v/v			02/09/21 15:29	1
1,2,4-Trichlorobenzene	ND		0.080	0.064	ppb v/v			02/09/21 15:29	1
1,2,4-Trimethylbenzene	ND		0.080	0.020	ppb v/v			02/09/21 15:29	1
1,2-Dibromoethane (EDB)	ND		0.080	0.0070	ppb v/v			02/09/21 15:29	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.080	0.012	ppb v/v			02/09/21 15:29	1
1,2-Dichlorobenzene	ND		0.080	0.031	ppb v/v			02/09/21 15:29	1
1,2-Dichloroethane	ND		0.080	0.010	ppb v/v			02/09/21 15:29	1
1,2-Dichloropropane	ND		0.080	0.010	ppb v/v			02/09/21 15:29	1
1,3,5-Trimethylbenzene	ND		0.080	0.022	ppb v/v			02/09/21 15:29	1
1,3-Butadiene	ND		0.16	0.019	ppb v/v			02/09/21 15:29	1
1,3-Dichlorobenzene	ND		0.080	0.016	ppb v/v			02/09/21 15:29	1
1,4-Dichlorobenzene	ND		0.080	0.016	ppb v/v			02/09/21 15:29	1
1,4-Dioxane	ND		0.20	0.030	ppb v/v			02/09/21 15:29	1
1-Methylnaphthalene	ND		1.0	0.26	ppb v/v			02/09/21 15:29	1
2,2,4-Trimethylpentane	ND		0.20	0.0080	ppb v/v			02/09/21 15:29	1
2-Butanone (MEK)	ND		0.32	0.073	ppb v/v			02/09/21 15:29	1
2-Chlorotoluene	ND		0.16	0.016	ppb v/v			02/09/21 15:29	1
2-Hexanone	ND		0.20	0.016	ppb v/v			02/09/21 15:29	1
2-Methylnaphthalene	ND		1.0	0.27	ppb v/v			02/09/21 15:29	1
3-Chloropropene	ND		0.080	0.023	ppb v/v			02/09/21 15:29	1
4-Ethyltoluene	ND		0.16	0.021	ppb v/v			02/09/21 15:29	1
4-Methyl-2-pentanone (MIBK)	ND		0.20	0.054	ppb v/v			02/09/21 15:29	1
Acetone	ND		2.0	0.57	ppb v/v			02/09/21 15:29	1
Benzene	0.00893	J	0.080	0.0080	ppb v/v			02/09/21 15:29	1
Benzyl chloride	ND		0.16	0.038	ppb v/v			02/09/21 15:29	1
Bromodichloromethane	ND		0.080	0.018	ppb v/v			02/09/21 15:29	1
Bromoform	ND		0.080	0.0090	ppb v/v			02/09/21 15:29	1
Bromomethane	ND		0.080	0.022	ppb v/v			02/09/21 15:29	1
Butane	ND		0.16	0.083	ppb v/v			02/09/21 15:29	1
Carbon disulfide	0.0206	J	0.20	0.011	ppb v/v			02/09/21 15:29	1
Carbon tetrachloride	ND		0.032	0.0070	ppb v/v			02/09/21 15:29	1
Chlorobenzene	0.00615	J	0.080	0.0060	ppb v/v			02/09/21 15:29	1
Chloroethane	ND		0.080	0.029	ppb v/v			02/09/21 15:29	1
Chloroform	ND		0.080	0.0070	ppb v/v			02/09/21 15:29	1
Chloromethane	ND		0.20	0.066	ppb v/v			02/09/21 15:29	1
cis-1,2-Dichloroethene	ND		0.040	0.010	ppb v/v			02/09/21 15:29	1
cis-1,3-Dichloropropene	ND		0.080	0.016	ppb v/v			02/09/21 15:29	1
Cyclohexane	ND		0.20	0.023	ppb v/v			02/09/21 15:29	1
Decane	ND		0.40	0.038	ppb v/v			02/09/21 15:29	1
Dibromochloromethane	ND		0.080	0.0070	ppb v/v			02/09/21 15:29	1
Dichlorodifluoromethane	ND		0.080	0.014	ppb v/v			02/09/21 15:29	1
Dodecane	ND		0.40	0.064	ppb v/v			02/09/21 15:29	1

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

Lab Sample ID: MB 140-46753/4 **Client Sample ID: Method Blank**
Matrix: Air **Prep Type: Total/NA**
Analysis Batch: 46753

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethanol	ND		2.0	0.87	ppb v/v			02/09/21 15:29	1
Ethylbenzene	ND		0.080	0.013	ppb v/v			02/09/21 15:29	1
Heptane	ND		0.20	0.014	ppb v/v			02/09/21 15:29	1
Hexachlorobutadiene	ND		0.080	0.032	ppb v/v			02/09/21 15:29	1
Hexane	ND		0.20	0.013	ppb v/v			02/09/21 15:29	1
Isopropyl alcohol	ND		0.80	0.22	ppb v/v			02/09/21 15:29	1
Methyl tert-butyl ether	ND		0.16	0.052	ppb v/v			02/09/21 15:29	1
Methylene Chloride	ND		0.40	0.39	ppb v/v			02/09/21 15:29	1
m-Xylene & p-Xylene	ND		0.080	0.029	ppb v/v			02/09/21 15:29	1
Naphthalene	ND		0.20	0.076	ppb v/v			02/09/21 15:29	1
Nonane	ND		0.20	0.018	ppb v/v			02/09/21 15:29	1
Octane	ND		0.16	0.016	ppb v/v			02/09/21 15:29	1
o-Xylene	ND		0.080	0.015	ppb v/v			02/09/21 15:29	1
Pentane	ND		0.40	0.079	ppb v/v			02/09/21 15:29	1
Styrene	ND		0.080	0.024	ppb v/v			02/09/21 15:29	1
tert-Butyl alcohol	ND		0.32	0.088	ppb v/v			02/09/21 15:29	1
Tetrachloroethene	ND		0.080	0.0070	ppb v/v			02/09/21 15:29	1
Toluene	ND		0.12	0.078	ppb v/v			02/09/21 15:29	1
trans-1,2-Dichloroethene	ND		0.080	0.0070	ppb v/v			02/09/21 15:29	1
trans-1,3-Dichloropropene	ND		0.080	0.0090	ppb v/v			02/09/21 15:29	1
Trichloroethene	ND		0.036	0.0060	ppb v/v			02/09/21 15:29	1
Trichlorofluoromethane	ND		0.080	0.011	ppb v/v			02/09/21 15:29	1
Undecane	ND		0.40	0.048	ppb v/v			02/09/21 15:29	1
Vinyl bromide	ND		0.080	0.020	ppb v/v			02/09/21 15:29	1
Vinyl chloride	ND		0.040	0.026	ppb v/v			02/09/21 15:29	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44	0.20	ug/m3			02/09/21 15:29	1
1,1,2,2-Tetrachloroethane	ND		0.55	0.096	ug/m3			02/09/21 15:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.61	0.061	ug/m3			02/09/21 15:29	1
1,1,2-Trichloroethane	ND		0.44	0.038	ug/m3			02/09/21 15:29	1
1,1-Dichloroethane	ND		0.32	0.028	ug/m3			02/09/21 15:29	1
1,1-Dichloroethene	ND		0.16	0.032	ug/m3			02/09/21 15:29	1
1,2,3-Trimethylbenzene	ND		0.39	0.18	ug/m3			02/09/21 15:29	1
1,2,4-Trichlorobenzene	ND		0.59	0.47	ug/m3			02/09/21 15:29	1
1,2,4-Trimethylbenzene	ND		0.39	0.098	ug/m3			02/09/21 15:29	1
1,2-Dibromoethane (EDB)	ND		0.61	0.054	ug/m3			02/09/21 15:29	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.56	0.084	ug/m3			02/09/21 15:29	1
1,2-Dichlorobenzene	ND		0.48	0.19	ug/m3			02/09/21 15:29	1
1,2-Dichloroethane	ND		0.32	0.040	ug/m3			02/09/21 15:29	1
1,2-Dichloropropane	ND		0.37	0.046	ug/m3			02/09/21 15:29	1
1,3,5-Trimethylbenzene	ND		0.39	0.11	ug/m3			02/09/21 15:29	1
1,3-Butadiene	ND		0.35	0.042	ug/m3			02/09/21 15:29	1
1,3-Dichlorobenzene	ND		0.48	0.096	ug/m3			02/09/21 15:29	1
1,4-Dichlorobenzene	ND		0.48	0.096	ug/m3			02/09/21 15:29	1
1,4-Dioxane	ND		0.72	0.11	ug/m3			02/09/21 15:29	1
1-Methylnaphthalene	ND		5.8	1.5	ug/m3			02/09/21 15:29	1

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

Lab Sample ID: MB 140-46753/4 **Client Sample ID: Method Blank**
Matrix: Air **Prep Type: Total/NA**
Analysis Batch: 46753

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2,4-Trimethylpentane	ND		0.93	0.037	ug/m3			02/09/21 15:29	1
2-Butanone (MEK)	ND		0.94	0.22	ug/m3			02/09/21 15:29	1
2-Chlorotoluene	ND		0.83	0.083	ug/m3			02/09/21 15:29	1
2-Hexanone	ND		0.82	0.066	ug/m3			02/09/21 15:29	1
2-Methylnaphthalene	ND		5.8	1.6	ug/m3			02/09/21 15:29	1
3-Chloropropene	ND		0.25	0.072	ug/m3			02/09/21 15:29	1
4-Ethyltoluene	ND		0.79	0.10	ug/m3			02/09/21 15:29	1
4-Methyl-2-pentanone (MIBK)	ND		0.82	0.22	ug/m3			02/09/21 15:29	1
Acetone	ND		4.8	1.4	ug/m3			02/09/21 15:29	1
Benzene	0.0285	J	0.26	0.026	ug/m3			02/09/21 15:29	1
Benzyl chloride	ND		0.83	0.20	ug/m3			02/09/21 15:29	1
Bromodichloromethane	ND		0.54	0.12	ug/m3			02/09/21 15:29	1
Bromoform	ND		0.83	0.093	ug/m3			02/09/21 15:29	1
Bromomethane	ND		0.31	0.085	ug/m3			02/09/21 15:29	1
Butane	ND		0.38	0.20	ug/m3			02/09/21 15:29	1
Carbon disulfide	0.0641	J	0.62	0.034	ug/m3			02/09/21 15:29	1
Carbon tetrachloride	ND		0.20	0.044	ug/m3			02/09/21 15:29	1
Chlorobenzene	0.0283	J	0.37	0.028	ug/m3			02/09/21 15:29	1
Chloroethane	ND		0.21	0.077	ug/m3			02/09/21 15:29	1
Chloroform	ND		0.39	0.034	ug/m3			02/09/21 15:29	1
Chloromethane	ND		0.41	0.14	ug/m3			02/09/21 15:29	1
cis-1,2-Dichloroethene	ND		0.16	0.040	ug/m3			02/09/21 15:29	1
cis-1,3-Dichloropropene	ND		0.36	0.073	ug/m3			02/09/21 15:29	1
Cyclohexane	ND		0.69	0.079	ug/m3			02/09/21 15:29	1
Decane	ND		2.3	0.22	ug/m3			02/09/21 15:29	1
Dibromochloromethane	ND		0.68	0.060	ug/m3			02/09/21 15:29	1
Dichlorodifluoromethane	ND		0.40	0.069	ug/m3			02/09/21 15:29	1
Dodecane	ND		2.8	0.45	ug/m3			02/09/21 15:29	1
Ethanol	ND		3.8	1.6	ug/m3			02/09/21 15:29	1
Ethylbenzene	ND		0.35	0.056	ug/m3			02/09/21 15:29	1
Heptane	ND		0.82	0.057	ug/m3			02/09/21 15:29	1
Hexachlorobutadiene	ND		0.85	0.34	ug/m3			02/09/21 15:29	1
Hexane	ND		0.70	0.046	ug/m3			02/09/21 15:29	1
Isopropyl alcohol	ND		2.0	0.54	ug/m3			02/09/21 15:29	1
Methyl tert-butyl ether	ND		0.58	0.19	ug/m3			02/09/21 15:29	1
Methylene Chloride	ND		1.4	1.4	ug/m3			02/09/21 15:29	1
m-Xylene & p-Xylene	ND		0.35	0.13	ug/m3			02/09/21 15:29	1
Naphthalene	ND		1.0	0.40	ug/m3			02/09/21 15:29	1
Nonane	ND		1.0	0.094	ug/m3			02/09/21 15:29	1
Octane	ND		0.75	0.075	ug/m3			02/09/21 15:29	1
o-Xylene	ND		0.35	0.065	ug/m3			02/09/21 15:29	1
Pentane	ND		1.2	0.23	ug/m3			02/09/21 15:29	1
Styrene	ND		0.34	0.10	ug/m3			02/09/21 15:29	1
tert-Butyl alcohol	ND		0.97	0.27	ug/m3			02/09/21 15:29	1
Tetrachloroethene	ND		0.54	0.047	ug/m3			02/09/21 15:29	1
Toluene	ND		0.45	0.29	ug/m3			02/09/21 15:29	1
trans-1,2-Dichloroethene	ND		0.32	0.028	ug/m3			02/09/21 15:29	1

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

Lab Sample ID: MB 140-46753/4 **Client Sample ID: Method Blank**
Matrix: Air **Prep Type: Total/NA**
Analysis Batch: 46753

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.36	0.041	ug/m3			02/09/21 15:29	1
Trichloroethene	ND		0.19	0.032	ug/m3			02/09/21 15:29	1
Trichlorofluoromethane	ND		0.45	0.062	ug/m3			02/09/21 15:29	1
Undecane	ND		2.6	0.31	ug/m3			02/09/21 15:29	1
Vinyl bromide	ND		0.35	0.087	ug/m3			02/09/21 15:29	1
Vinyl chloride	ND		0.10	0.066	ug/m3			02/09/21 15:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*60 - 140*		*02/09/21 15:29*	*1*

Lab Sample ID: LCS 140-46753/1002 **Client Sample ID: Lab Control Sample**
Matrix: Air **Prep Type: Total/NA**
Analysis Batch: 46753

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2.00	2.28		ppb v/v		114	70 - 130
1,1,2,2-Tetrachloroethane	2.00	2.33		ppb v/v		116	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	2.28		ppb v/v		114	70 - 130
1,1,2-Trichloroethane	2.00	2.31		ppb v/v		116	70 - 130
1,1-Dichloroethane	2.00	2.22		ppb v/v		111	70 - 130
1,1-Dichloroethene	2.00	2.25		ppb v/v		113	70 - 130
1,2,3-Trimethylbenzene	2.00	2.41		ppb v/v		120	70 - 130
1,2,4-Trichlorobenzene	2.00	2.18		ppb v/v		109	60 - 140
1,2,4-Trimethylbenzene	2.00	2.38		ppb v/v		119	70 - 130
1,2-Dibromoethane (EDB)	2.00	2.36		ppb v/v		118	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.00	2.26		ppb v/v		113	60 - 140
1,2-Dichlorobenzene	2.00	2.23		ppb v/v		111	70 - 130
1,2-Dichloroethane	2.00	2.11		ppb v/v		106	70 - 130
1,2-Dichloropropane	2.00	2.26		ppb v/v		113	70 - 130
1,3,5-Trimethylbenzene	2.00	2.39		ppb v/v		120	70 - 130
1,3-Butadiene	2.00	1.90		ppb v/v		95	60 - 140
1,3-Dichlorobenzene	2.00	2.24		ppb v/v		112	70 - 130
1,4-Dichlorobenzene	2.00	2.25		ppb v/v		113	70 - 130
1,4-Dioxane	2.00	2.38		ppb v/v		119	60 - 140
1-Methylnaphthalene	2.00	2.05		ppb v/v		102	20 - 180
2,2,4-Trimethylpentane	2.00	2.33		ppb v/v		117	70 - 130
2-Butanone (MEK)	2.00	2.15		ppb v/v		108	60 - 140
2-Chlorotoluene	2.00	2.38		ppb v/v		119	70 - 130
2-Hexanone	2.00	2.46		ppb v/v		123	60 - 140
2-Methylnaphthalene	2.00	2.20		ppb v/v		110	20 - 180
3-Chloropropene	2.00	2.27		ppb v/v		113	60 - 140
4-Ethyltoluene	2.00	2.34		ppb v/v		117	70 - 130
4-Methyl-2-pentanone (MIBK)	2.00	2.32		ppb v/v		116	60 - 140
Acetone	6.00	5.95		ppb v/v		99	60 - 140
Benzene	2.00	2.25		ppb v/v		112	70 - 130
Benzyl chloride	2.00	2.56		ppb v/v		128	70 - 130

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

Lab Sample ID: LCS 140-46753/1002 **Client Sample ID: Lab Control Sample**
Matrix: Air **Prep Type: Total/NA**
Analysis Batch: 46753

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	2.00	2.43		ppb v/v		121	70 - 130
Bromoform	2.00	2.72		ppb v/v		136	60 - 140
Bromomethane	2.00	1.90		ppb v/v		95	70 - 130
Butane	2.00	1.90		ppb v/v		95	60 - 140
Carbon disulfide	2.00	2.38		ppb v/v		119	70 - 130
Carbon tetrachloride	2.00	2.51		ppb v/v		125	70 - 130
Chlorobenzene	2.00	2.30		ppb v/v		115	70 - 130
Chloroethane	2.00	1.96		ppb v/v		98	70 - 130
Chloroform	2.00	2.15		ppb v/v		108	70 - 130
Chloromethane	2.00	2.17		ppb v/v		109	60 - 140
cis-1,2-Dichloroethene	2.00	2.32		ppb v/v		116	70 - 130
cis-1,3-Dichloropropene	2.00	2.47		ppb v/v		123	70 - 130
Cyclohexane	2.00	2.35		ppb v/v		117	70 - 130
Decane	2.00	2.29		ppb v/v		115	60 - 140
Dibromochloromethane	2.00	2.60		ppb v/v		130	70 - 130
Dichlorodifluoromethane	2.00	2.35		ppb v/v		117	60 - 140
Dodecane	2.00	2.37		ppb v/v		118	60 - 140
Ethanol	10.0	8.64		ppb v/v		86	60 - 140
Ethylbenzene	2.00	2.42		ppb v/v		121	70 - 130
Heptane	2.00	2.45		ppb v/v		123	70 - 130
Hexachlorobutadiene	2.00	2.14		ppb v/v		107	60 - 140
Hexane	2.00	2.26		ppb v/v		113	70 - 130
Isopropyl alcohol	6.00	6.74		ppb v/v		112	60 - 140
Methyl tert-butyl ether	2.00	2.33		ppb v/v		117	60 - 140
Methylene Chloride	2.00	2.00		ppb v/v		100	70 - 130
m-Xylene & p-Xylene	4.00	4.98		ppb v/v		124	70 - 130
Naphthalene	2.00	2.35		ppb v/v		118	60 - 140
Nonane	2.00	2.42		ppb v/v		121	60 - 140
Octane	2.00	2.44		ppb v/v		122	70 - 130
o-Xylene	2.00	2.36		ppb v/v		118	70 - 130
Pentane	2.00	2.31		ppb v/v		116	70 - 130
Styrene	2.00	2.62	*+	ppb v/v		131	70 - 130
tert-Butyl alcohol	2.00	2.33		ppb v/v		116	60 - 140
Tetrachloroethene	2.00	2.31		ppb v/v		115	70 - 130
Toluene	2.00	2.32		ppb v/v		116	70 - 130
trans-1,2-Dichloroethene	2.00	2.28		ppb v/v		114	70 - 130
trans-1,3-Dichloropropene	2.00	2.56		ppb v/v		128	70 - 130
Trichloroethene	2.00	2.29		ppb v/v		115	70 - 130
Trichlorofluoromethane	2.00	2.19		ppb v/v		110	60 - 140
Undecane	2.00	2.33		ppb v/v		116	60 - 140
Vinyl bromide	2.00	2.30		ppb v/v		115	60 - 140
Vinyl chloride	2.00	2.04		ppb v/v		102	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	11	12.4		ug/m3		114	70 - 130
1,1,2,2-Tetrachloroethane	14	16.0		ug/m3		116	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	15	17.5		ug/m3		114	70 - 130

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

Lab Sample ID: LCS 140-46753/1002 **Client Sample ID: Lab Control Sample**
Matrix: Air **Prep Type: Total/NA**
Analysis Batch: 46753

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	11	12.6		ug/m3		116	70 - 130
1,1-Dichloroethane	8.1	8.97		ug/m3		111	70 - 130
1,1-Dichloroethene	7.9	8.93		ug/m3		113	70 - 130
1,2,3-Trimethylbenzene	9.8	11.8		ug/m3		120	70 - 130
1,2,4-Trichlorobenzene	15	16.2		ug/m3		109	60 - 140
1,2,4-Trimethylbenzene	9.8	11.7		ug/m3		119	70 - 130
1,2-Dibromoethane (EDB)	15	18.1		ug/m3		118	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	14	15.8		ug/m3		113	60 - 140
1,2-Dichlorobenzene	12	13.4		ug/m3		111	70 - 130
1,2-Dichloroethane	8.1	8.56		ug/m3		106	70 - 130
1,2-Dichloropropane	9.2	10.4		ug/m3		113	70 - 130
1,3,5-Trimethylbenzene	9.8	11.8		ug/m3		120	70 - 130
1,3-Butadiene	4.4	4.20		ug/m3		95	60 - 140
1,3-Dichlorobenzene	12	13.5		ug/m3		112	70 - 130
1,4-Dichlorobenzene	12	13.6		ug/m3		113	70 - 130
1,4-Dioxane	7.2	8.58		ug/m3		119	60 - 140
1-Methylnaphthalene	12	11.9		ug/m3		102	20 - 180
2,2,4-Trimethylpentane	9.3	10.9		ug/m3		117	70 - 130
2-Butanone (MEK)	5.9	6.35		ug/m3		108	60 - 140
2-Chlorotoluene	10	12.3		ug/m3		119	70 - 130
2-Hexanone	8.2	10.1		ug/m3		123	60 - 140
2-Methylnaphthalene	12	12.8		ug/m3		110	20 - 180
3-Chloropropene	6.3	7.09		ug/m3		113	60 - 140
4-Ethyltoluene	9.8	11.5		ug/m3		117	70 - 130
4-Methyl-2-pentanone (MIBK)	8.2	9.52		ug/m3		116	60 - 140
Acetone	14	14.1		ug/m3		99	60 - 140
Benzene	6.4	7.18		ug/m3		112	70 - 130
Benzyl chloride	10	13.3		ug/m3		128	70 - 130
Bromodichloromethane	13	16.3		ug/m3		121	70 - 130
Bromoform	21	28.2		ug/m3		136	60 - 140
Bromomethane	7.8	7.37		ug/m3		95	70 - 130
Butane	4.8	4.52		ug/m3		95	60 - 140
Carbon disulfide	6.2	7.41		ug/m3		119	70 - 130
Carbon tetrachloride	13	15.8		ug/m3		125	70 - 130
Chlorobenzene	9.2	10.6		ug/m3		115	70 - 130
Chloroethane	5.3	5.17		ug/m3		98	70 - 130
Chloroform	9.8	10.5		ug/m3		108	70 - 130
Chloromethane	4.1	4.49		ug/m3		109	60 - 140
cis-1,2-Dichloroethene	7.9	9.20		ug/m3		116	70 - 130
cis-1,3-Dichloropropene	9.1	11.2		ug/m3		123	70 - 130
Cyclohexane	6.9	8.08		ug/m3		117	70 - 130
Decane	12	13.3		ug/m3		115	60 - 140
Dibromochloromethane	17	22.2		ug/m3		130	70 - 130
Dichlorodifluoromethane	9.9	11.6		ug/m3		117	60 - 140
Dodecane	14	16.5		ug/m3		118	60 - 140
Ethanol	19	16.3		ug/m3		86	60 - 140
Ethylbenzene	8.7	10.5		ug/m3		121	70 - 130

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

Lab Sample ID: LCS 140-46753/1002 **Client Sample ID: Lab Control Sample**
Matrix: Air **Prep Type: Total/NA**
Analysis Batch: 46753

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptane	8.2	10.0		ug/m3		123	70 - 130
Hexachlorobutadiene	21	22.9		ug/m3		107	60 - 140
Hexane	7.0	7.98		ug/m3		113	70 - 130
Isopropyl alcohol	15	16.6		ug/m3		112	60 - 140
Methyl tert-butyl ether	7.2	8.41		ug/m3		117	60 - 140
Methylene Chloride	6.9	6.94		ug/m3		100	70 - 130
m-Xylene & p-Xylene	17	21.6		ug/m3		124	70 - 130
Naphthalene	10	12.3		ug/m3		118	60 - 140
Nonane	10	12.7		ug/m3		121	60 - 140
Octane	9.3	11.4		ug/m3		122	70 - 130
o-Xylene	8.7	10.3		ug/m3		118	70 - 130
Pentane	5.9	6.83		ug/m3		116	70 - 130
Styrene	8.5	11.2	*+	ug/m3		131	70 - 130
tert-Butyl alcohol	6.1	7.05		ug/m3		116	60 - 140
Tetrachloroethene	14	15.7		ug/m3		115	70 - 130
Toluene	7.5	8.73		ug/m3		116	70 - 130
trans-1,2-Dichloroethene	7.9	9.03		ug/m3		114	70 - 130
trans-1,3-Dichloropropene	9.1	11.6		ug/m3		128	70 - 130
Trichloroethene	11	12.3		ug/m3		115	70 - 130
Trichlorofluoromethane	11	12.3		ug/m3		110	60 - 140
Undecane	13	14.9		ug/m3		116	60 - 140
Vinyl bromide	8.7	10.1		ug/m3		115	60 - 140
Vinyl chloride	5.1	5.21		ug/m3		102	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*60 - 140*

Lab Sample ID: MB 140-46842/4 **Client Sample ID: Method Blank**
Matrix: Air **Prep Type: Total/NA**
Analysis Batch: 46842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080	0.037	ppb v/v			02/11/21 12:13	1
1,1,2,2-Tetrachloroethane	ND		0.080	0.014	ppb v/v			02/11/21 12:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.080	0.0080	ppb v/v			02/11/21 12:13	1
1,1,2-Trichloroethane	ND		0.080	0.0070	ppb v/v			02/11/21 12:13	1
1,1-Dichloroethane	ND		0.080	0.0070	ppb v/v			02/11/21 12:13	1
1,1-Dichloroethene	ND		0.040	0.0080	ppb v/v			02/11/21 12:13	1
1,2,3-Trimethylbenzene	ND		0.080	0.036	ppb v/v			02/11/21 12:13	1
1,2,4-Trichlorobenzene	ND		0.080	0.064	ppb v/v			02/11/21 12:13	1
1,2,4-Trimethylbenzene	ND		0.080	0.020	ppb v/v			02/11/21 12:13	1
1,2-Dibromoethane (EDB)	ND		0.080	0.0070	ppb v/v			02/11/21 12:13	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.080	0.012	ppb v/v			02/11/21 12:13	1
1,2-Dichlorobenzene	ND		0.080	0.031	ppb v/v			02/11/21 12:13	1
1,2-Dichloroethane	ND		0.080	0.010	ppb v/v			02/11/21 12:13	1
1,2-Dichloropropane	ND		0.080	0.010	ppb v/v			02/11/21 12:13	1
1,3,5-Trimethylbenzene	ND		0.080	0.022	ppb v/v			02/11/21 12:13	1

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

Lab Sample ID: MB 140-46842/4 **Client Sample ID: Method Blank**
Matrix: Air **Prep Type: Total/NA**
Analysis Batch: 46842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Butadiene	ND		0.16	0.019	ppb v/v			02/11/21 12:13	1
1,3-Dichlorobenzene	ND		0.080	0.016	ppb v/v			02/11/21 12:13	1
1,4-Dichlorobenzene	ND		0.080	0.016	ppb v/v			02/11/21 12:13	1
1,4-Dioxane	ND		0.20	0.030	ppb v/v			02/11/21 12:13	1
1-Methylnaphthalene	ND		1.0	0.26	ppb v/v			02/11/21 12:13	1
2,2,4-Trimethylpentane	ND		0.20	0.0080	ppb v/v			02/11/21 12:13	1
2-Butanone (MEK)	ND		0.32	0.073	ppb v/v			02/11/21 12:13	1
2-Chlorotoluene	ND		0.16	0.016	ppb v/v			02/11/21 12:13	1
2-Hexanone	ND		0.20	0.016	ppb v/v			02/11/21 12:13	1
2-Methylnaphthalene	ND		1.0	0.27	ppb v/v			02/11/21 12:13	1
3-Chloropropene	ND		0.080	0.023	ppb v/v			02/11/21 12:13	1
4-Ethyltoluene	ND		0.16	0.021	ppb v/v			02/11/21 12:13	1
4-Methyl-2-pentanone (MIBK)	ND		0.20	0.054	ppb v/v			02/11/21 12:13	1
Acetone	ND		2.0	0.57	ppb v/v			02/11/21 12:13	1
Benzene	ND		0.080	0.0080	ppb v/v			02/11/21 12:13	1
Benzyl chloride	ND		0.16	0.038	ppb v/v			02/11/21 12:13	1
Bromodichloromethane	ND		0.080	0.018	ppb v/v			02/11/21 12:13	1
Bromoform	ND		0.080	0.0090	ppb v/v			02/11/21 12:13	1
Bromomethane	ND		0.080	0.022	ppb v/v			02/11/21 12:13	1
Butane	ND		0.16	0.083	ppb v/v			02/11/21 12:13	1
Carbon disulfide	ND		0.20	0.011	ppb v/v			02/11/21 12:13	1
Carbon tetrachloride	ND		0.032	0.0070	ppb v/v			02/11/21 12:13	1
Chlorobenzene	ND		0.080	0.0060	ppb v/v			02/11/21 12:13	1
Chloroethane	ND		0.080	0.029	ppb v/v			02/11/21 12:13	1
Chloroform	ND		0.080	0.0070	ppb v/v			02/11/21 12:13	1
Chloromethane	ND		0.20	0.066	ppb v/v			02/11/21 12:13	1
cis-1,2-Dichloroethene	ND		0.040	0.010	ppb v/v			02/11/21 12:13	1
cis-1,3-Dichloropropene	ND		0.080	0.016	ppb v/v			02/11/21 12:13	1
Cyclohexane	ND		0.20	0.023	ppb v/v			02/11/21 12:13	1
Decane	ND		0.40	0.038	ppb v/v			02/11/21 12:13	1
Dibromochloromethane	ND		0.080	0.0070	ppb v/v			02/11/21 12:13	1
Dichlorodifluoromethane	ND		0.080	0.014	ppb v/v			02/11/21 12:13	1
Dodecane	ND		0.40	0.064	ppb v/v			02/11/21 12:13	1
Ethanol	ND		2.0	0.87	ppb v/v			02/11/21 12:13	1
Ethylbenzene	ND		0.080	0.013	ppb v/v			02/11/21 12:13	1
Heptane	ND		0.20	0.014	ppb v/v			02/11/21 12:13	1
Hexachlorobutadiene	ND		0.080	0.032	ppb v/v			02/11/21 12:13	1
Hexane	ND		0.20	0.013	ppb v/v			02/11/21 12:13	1
Isopropyl alcohol	ND		0.80	0.22	ppb v/v			02/11/21 12:13	1
Methyl tert-butyl ether	ND		0.16	0.052	ppb v/v			02/11/21 12:13	1
Methylene Chloride	ND		0.40	0.39	ppb v/v			02/11/21 12:13	1
m-Xylene & p-Xylene	ND		0.080	0.029	ppb v/v			02/11/21 12:13	1
Naphthalene	ND		0.20	0.076	ppb v/v			02/11/21 12:13	1
Nonane	ND		0.20	0.018	ppb v/v			02/11/21 12:13	1
Octane	ND		0.16	0.016	ppb v/v			02/11/21 12:13	1
o-Xylene	ND		0.080	0.015	ppb v/v			02/11/21 12:13	1
Pentane	ND		0.40	0.079	ppb v/v			02/11/21 12:13	1

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

Lab Sample ID: MB 140-46842/4 **Client Sample ID: Method Blank**
Matrix: Air **Prep Type: Total/NA**
Analysis Batch: 46842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.080	0.024	ppb v/v			02/11/21 12:13	1
tert-Butyl alcohol	ND		0.32	0.088	ppb v/v			02/11/21 12:13	1
Tetrachloroethene	ND		0.080	0.0070	ppb v/v			02/11/21 12:13	1
Toluene	ND		0.12	0.078	ppb v/v			02/11/21 12:13	1
trans-1,2-Dichloroethene	ND		0.080	0.0070	ppb v/v			02/11/21 12:13	1
trans-1,3-Dichloropropene	ND		0.080	0.0090	ppb v/v			02/11/21 12:13	1
Trichloroethene	ND		0.036	0.0060	ppb v/v			02/11/21 12:13	1
Trichlorofluoromethane	ND		0.080	0.011	ppb v/v			02/11/21 12:13	1
Undecane	ND		0.40	0.048	ppb v/v			02/11/21 12:13	1
Vinyl bromide	ND		0.080	0.020	ppb v/v			02/11/21 12:13	1
Vinyl chloride	ND		0.040	0.026	ppb v/v			02/11/21 12:13	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44	0.20	ug/m3			02/11/21 12:13	1
1,1,2,2-Tetrachloroethane	ND		0.55	0.096	ug/m3			02/11/21 12:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.61	0.061	ug/m3			02/11/21 12:13	1
1,1,2-Trichloroethane	ND		0.44	0.038	ug/m3			02/11/21 12:13	1
1,1-Dichloroethane	ND		0.32	0.028	ug/m3			02/11/21 12:13	1
1,1-Dichloroethene	ND		0.16	0.032	ug/m3			02/11/21 12:13	1
1,2,3-Trimethylbenzene	ND		0.39	0.18	ug/m3			02/11/21 12:13	1
1,2,4-Trichlorobenzene	ND		0.59	0.47	ug/m3			02/11/21 12:13	1
1,2,4-Trimethylbenzene	ND		0.39	0.098	ug/m3			02/11/21 12:13	1
1,2-Dibromoethane (EDB)	ND		0.61	0.054	ug/m3			02/11/21 12:13	1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND		0.56	0.084	ug/m3			02/11/21 12:13	1
1,2-Dichlorobenzene	ND		0.48	0.19	ug/m3			02/11/21 12:13	1
1,2-Dichloroethane	ND		0.32	0.040	ug/m3			02/11/21 12:13	1
1,2-Dichloropropane	ND		0.37	0.046	ug/m3			02/11/21 12:13	1
1,3,5-Trimethylbenzene	ND		0.39	0.11	ug/m3			02/11/21 12:13	1
1,3-Butadiene	ND		0.35	0.042	ug/m3			02/11/21 12:13	1
1,3-Dichlorobenzene	ND		0.48	0.096	ug/m3			02/11/21 12:13	1
1,4-Dichlorobenzene	ND		0.48	0.096	ug/m3			02/11/21 12:13	1
1,4-Dioxane	ND		0.72	0.11	ug/m3			02/11/21 12:13	1
1-Methylnaphthalene	ND		5.8	1.5	ug/m3			02/11/21 12:13	1
2,2,4-Trimethylpentane	ND		0.93	0.037	ug/m3			02/11/21 12:13	1
2-Butanone (MEK)	ND		0.94	0.22	ug/m3			02/11/21 12:13	1
2-Chlorotoluene	ND		0.83	0.083	ug/m3			02/11/21 12:13	1
2-Hexanone	ND		0.82	0.066	ug/m3			02/11/21 12:13	1
2-Methylnaphthalene	ND		5.8	1.6	ug/m3			02/11/21 12:13	1
3-Chloropropene	ND		0.25	0.072	ug/m3			02/11/21 12:13	1
4-Ethyltoluene	ND		0.79	0.10	ug/m3			02/11/21 12:13	1
4-Methyl-2-pentanone (MIBK)	ND		0.82	0.22	ug/m3			02/11/21 12:13	1
Acetone	ND		4.8	1.4	ug/m3			02/11/21 12:13	1
Benzene	ND		0.26	0.026	ug/m3			02/11/21 12:13	1
Benzyl chloride	ND		0.83	0.20	ug/m3			02/11/21 12:13	1
Bromodichloromethane	ND		0.54	0.12	ug/m3			02/11/21 12:13	1
Bromoform	ND		0.83	0.093	ug/m3			02/11/21 12:13	1
Bromomethane	ND		0.31	0.085	ug/m3			02/11/21 12:13	1

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

Lab Sample ID: MB 140-46842/4 **Client Sample ID: Method Blank**
Matrix: Air **Prep Type: Total/NA**
Analysis Batch: 46842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butane	ND		0.38	0.20	ug/m3			02/11/21 12:13	1
Carbon disulfide	ND		0.62	0.034	ug/m3			02/11/21 12:13	1
Carbon tetrachloride	ND		0.20	0.044	ug/m3			02/11/21 12:13	1
Chlorobenzene	ND		0.37	0.028	ug/m3			02/11/21 12:13	1
Chloroethane	ND		0.21	0.077	ug/m3			02/11/21 12:13	1
Chloroform	ND		0.39	0.034	ug/m3			02/11/21 12:13	1
Chloromethane	ND		0.41	0.14	ug/m3			02/11/21 12:13	1
cis-1,2-Dichloroethene	ND		0.16	0.040	ug/m3			02/11/21 12:13	1
cis-1,3-Dichloropropene	ND		0.36	0.073	ug/m3			02/11/21 12:13	1
Cyclohexane	ND		0.69	0.079	ug/m3			02/11/21 12:13	1
Decane	ND		2.3	0.22	ug/m3			02/11/21 12:13	1
Dibromochloromethane	ND		0.68	0.060	ug/m3			02/11/21 12:13	1
Dichlorodifluoromethane	ND		0.40	0.069	ug/m3			02/11/21 12:13	1
Dodecane	ND		2.8	0.45	ug/m3			02/11/21 12:13	1
Ethanol	ND		3.8	1.6	ug/m3			02/11/21 12:13	1
Ethylbenzene	ND		0.35	0.056	ug/m3			02/11/21 12:13	1
Heptane	ND		0.82	0.057	ug/m3			02/11/21 12:13	1
Hexachlorobutadiene	ND		0.85	0.34	ug/m3			02/11/21 12:13	1
Hexane	ND		0.70	0.046	ug/m3			02/11/21 12:13	1
Isopropyl alcohol	ND		2.0	0.54	ug/m3			02/11/21 12:13	1
Methyl tert-butyl ether	ND		0.58	0.19	ug/m3			02/11/21 12:13	1
Methylene Chloride	ND		1.4	1.4	ug/m3			02/11/21 12:13	1
m-Xylene & p-Xylene	ND		0.35	0.13	ug/m3			02/11/21 12:13	1
Naphthalene	ND		1.0	0.40	ug/m3			02/11/21 12:13	1
Nonane	ND		1.0	0.094	ug/m3			02/11/21 12:13	1
Octane	ND		0.75	0.075	ug/m3			02/11/21 12:13	1
o-Xylene	ND		0.35	0.065	ug/m3			02/11/21 12:13	1
Pentane	ND		1.2	0.23	ug/m3			02/11/21 12:13	1
Styrene	ND		0.34	0.10	ug/m3			02/11/21 12:13	1
tert-Butyl alcohol	ND		0.97	0.27	ug/m3			02/11/21 12:13	1
Tetrachloroethene	ND		0.54	0.047	ug/m3			02/11/21 12:13	1
Toluene	ND		0.45	0.29	ug/m3			02/11/21 12:13	1
trans-1,2-Dichloroethene	ND		0.32	0.028	ug/m3			02/11/21 12:13	1
trans-1,3-Dichloropropene	ND		0.36	0.041	ug/m3			02/11/21 12:13	1
Trichloroethene	ND		0.19	0.032	ug/m3			02/11/21 12:13	1
Trichlorofluoromethane	ND		0.45	0.062	ug/m3			02/11/21 12:13	1
Undecane	ND		2.6	0.31	ug/m3			02/11/21 12:13	1
Vinyl bromide	ND		0.35	0.087	ug/m3			02/11/21 12:13	1
Vinyl chloride	ND		0.10	0.066	ug/m3			02/11/21 12:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*60 - 140*		*02/11/21 12:13*	*1*

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

Lab Sample ID: LCS 140-46842/1002 **Client Sample ID: Lab Control Sample**
Matrix: Air **Prep Type: Total/NA**
Analysis Batch: 46842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2.00	2.09		ppb v/v		104	70 - 130
1,1,2,2-Tetrachloroethane	2.00	2.31		ppb v/v		115	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	2.22		ppb v/v		111	70 - 130
1,1,2-Trichloroethane	2.00	2.21		ppb v/v		111	70 - 130
1,1-Dichloroethane	2.00	2.23		ppb v/v		111	70 - 130
1,1-Dichloroethene	2.00	2.15		ppb v/v		107	70 - 130
1,2,3-Trimethylbenzene	2.00	1.66		ppb v/v		83	70 - 130
1,2,4-Trichlorobenzene	2.00	2.57		ppb v/v		129	60 - 140
1,2,4-Trimethylbenzene	2.00	2.32		ppb v/v		116	70 - 130
1,2-Dibromoethane (EDB)	2.00	2.21		ppb v/v		110	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.00	2.45		ppb v/v		123	60 - 140
1,2-Dichlorobenzene	2.00	2.24		ppb v/v		112	70 - 130
1,2-Dichloroethane	2.00	2.11		ppb v/v		105	70 - 130
1,2-Dichloropropane	2.00	2.21		ppb v/v		111	70 - 130
1,3,5-Trimethylbenzene	2.00	2.55		ppb v/v		127	70 - 130
1,3-Butadiene	2.00	2.44		ppb v/v		122	60 - 140
1,3-Dichlorobenzene	2.00	2.21		ppb v/v		110	70 - 130
1,4-Dichlorobenzene	2.00	2.15		ppb v/v		107	70 - 130
1,4-Dioxane	2.00	2.02		ppb v/v		101	60 - 140
1-Methylnaphthalene	2.00	1.82		ppb v/v		91	20 - 180
2,2,4-Trimethylpentane	2.00	2.23		ppb v/v		111	70 - 130
2-Butanone (MEK)	2.00	2.11		ppb v/v		105	60 - 140
2-Chlorotoluene	2.00	2.24		ppb v/v		112	70 - 130
2-Hexanone	2.00	2.23		ppb v/v		111	60 - 140
2-Methylnaphthalene	2.00	2.06		ppb v/v		103	20 - 180
3-Chloropropene	2.00	2.13		ppb v/v		107	60 - 140
4-Ethyltoluene	2.00	2.17		ppb v/v		108	70 - 130
4-Methyl-2-pentanone (MIBK)	2.00	2.17		ppb v/v		109	60 - 140
Acetone	2.00	2.08		ppb v/v		104	60 - 140
Benzene	2.00	2.23		ppb v/v		111	70 - 130
Benzyl chloride	2.00	2.36		ppb v/v		118	70 - 130
Bromodichloromethane	2.00	2.19		ppb v/v		109	70 - 130
Bromoform	2.00	2.27		ppb v/v		113	60 - 140
Bromomethane	2.00	2.46		ppb v/v		123	70 - 130
Butane	2.00	2.47		ppb v/v		124	60 - 140
Carbon disulfide	2.00	2.23		ppb v/v		112	70 - 130
Carbon tetrachloride	2.00	2.28		ppb v/v		114	70 - 130
Chlorobenzene	2.00	2.20		ppb v/v		110	70 - 130
Chloroethane	2.00	2.42		ppb v/v		121	70 - 130
Chloroform	2.00	2.15		ppb v/v		108	70 - 130
Chloromethane	2.00	2.39		ppb v/v		120	60 - 140
cis-1,2-Dichloroethene	2.00	2.23		ppb v/v		111	70 - 130
cis-1,3-Dichloropropene	2.00	2.23		ppb v/v		112	70 - 130
Cyclohexane	2.00	2.20		ppb v/v		110	70 - 130
Decane	2.00	2.42		ppb v/v		121	60 - 140
Dibromochloromethane	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 140-46842/1002 **Client Sample ID: Lab Control Sample**
Matrix: Air **Prep Type: Total/NA**
Analysis Batch: 46842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	2.00	2.21		ppb v/v		110	60 - 140
Dodecane	2.00	2.55		ppb v/v		127	60 - 140
Ethanol	10.0	8.25		ppb v/v		83	60 - 140
Ethylbenzene	2.00	2.23		ppb v/v		111	70 - 130
Heptane	2.00	2.21		ppb v/v		110	70 - 130
Hexachlorobutadiene	2.00	2.63		ppb v/v		132	60 - 140
Hexane	2.00	2.17		ppb v/v		108	70 - 130
Isopropyl alcohol	2.00	2.51		ppb v/v		126	60 - 140
Methyl tert-butyl ether	2.00	2.25		ppb v/v		113	60 - 140
Methylene Chloride	2.00	2.22		ppb v/v		111	70 - 130
m-Xylene & p-Xylene	4.00	4.56		ppb v/v		114	70 - 130
Naphthalene	2.00	2.61		ppb v/v		131	60 - 140
Nonane	2.00	2.26		ppb v/v		113	60 - 140
Octane	2.00	2.30		ppb v/v		115	70 - 130
o-Xylene	2.00	2.21		ppb v/v		110	70 - 130
Pentane	2.00	2.24		ppb v/v		112	70 - 130
Styrene	2.00	2.29		ppb v/v		115	70 - 130
tert-Butyl alcohol	2.00	2.16		ppb v/v		108	60 - 140
Tetrachloroethene	2.00	2.20		ppb v/v		110	70 - 130
Toluene	2.00	2.18		ppb v/v		109	70 - 130
trans-1,2-Dichloroethene	2.00	2.19		ppb v/v		110	70 - 130
trans-1,3-Dichloropropene	2.00	2.22		ppb v/v		111	70 - 130
Trichloroethene	2.00	2.09		ppb v/v		105	70 - 130
Trichlorofluoromethane	2.00	2.17		ppb v/v		108	60 - 140
Undecane	2.00	2.58		ppb v/v		129	60 - 140
Vinyl bromide	2.00	2.27		ppb v/v		113	60 - 140
Vinyl chloride	2.00	2.45		ppb v/v		122	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	11	11.4		ug/m3		104	70 - 130
1,1,2,2-Tetrachloroethane	14	15.8		ug/m3		115	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	15	17.0		ug/m3		111	70 - 130
1,1,2-Trichloroethane	11	12.1		ug/m3		111	70 - 130
1,1-Dichloroethane	8.1	9.01		ug/m3		111	70 - 130
1,1-Dichloroethene	7.9	8.51		ug/m3		107	70 - 130
1,2,3-Trimethylbenzene	9.8	8.16		ug/m3		83	70 - 130
1,2,4-Trichlorobenzene	15	19.1		ug/m3		129	60 - 140
1,2,4-Trimethylbenzene	9.8	11.4		ug/m3		116	70 - 130
1,2-Dibromoethane (EDB)	15	17.0		ug/m3		110	70 - 130
1,2-Dichloro-1,1,2,2-tetrafluoroethane	14	17.1		ug/m3		123	60 - 140
1,2-Dichlorobenzene	12	13.5		ug/m3		112	70 - 130
1,2-Dichloroethane	8.1	8.53		ug/m3		105	70 - 130
1,2-Dichloropropane	9.2	10.2		ug/m3		111	70 - 130
1,3,5-Trimethylbenzene	9.8	12.5		ug/m3		127	70 - 130
1,3-Butadiene	4.4	5.41		ug/m3		122	60 - 140
1,3-Dichlorobenzene	12	13.3		ug/m3		110	70 - 130

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

Lab Sample ID: LCS 140-46842/1002 **Client Sample ID: Lab Control Sample**
Matrix: Air **Prep Type: Total/NA**
Analysis Batch: 46842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	12	12.9		ug/m3		107	70 - 130
1,4-Dioxane	7.2	7.26		ug/m3		101	60 - 140
1-Methylnaphthalene	12	10.6		ug/m3		91	20 - 180
2,2,4-Trimethylpentane	9.3	10.4		ug/m3		111	70 - 130
2-Butanone (MEK)	5.9	6.22		ug/m3		105	60 - 140
2-Chlorotoluene	10	11.6		ug/m3		112	70 - 130
2-Hexanone	8.2	9.14		ug/m3		111	60 - 140
2-Methylnaphthalene	12	12.0		ug/m3		103	20 - 180
3-Chloropropene	6.3	6.68		ug/m3		107	60 - 140
4-Ethyltoluene	9.8	10.6		ug/m3		108	70 - 130
4-Methyl-2-pentanone (MIBK)	8.2	8.91		ug/m3		109	60 - 140
Acetone	4.8	4.95		ug/m3		104	60 - 140
Benzene	6.4	7.11		ug/m3		111	70 - 130
Benzyl chloride	10	12.2		ug/m3		118	70 - 130
Bromodichloromethane	13	14.7		ug/m3		109	70 - 130
Bromoform	21	23.4		ug/m3		113	60 - 140
Bromomethane	7.8	9.55		ug/m3		123	70 - 130
Butane	4.8	5.88		ug/m3		124	60 - 140
Carbon disulfide	6.2	6.95		ug/m3		112	70 - 130
Carbon tetrachloride	13	14.4		ug/m3		114	70 - 130
Chlorobenzene	9.2	10.1		ug/m3		110	70 - 130
Chloroethane	5.3	6.40		ug/m3		121	70 - 130
Chloroform	9.8	10.5		ug/m3		108	70 - 130
Chloromethane	4.1	4.94		ug/m3		120	60 - 140
cis-1,2-Dichloroethene	7.9	8.83		ug/m3		111	70 - 130
cis-1,3-Dichloropropene	9.1	10.1		ug/m3		112	70 - 130
Cyclohexane	6.9	7.58		ug/m3		110	70 - 130
Decane	12	14.1		ug/m3		121	60 - 140
Dibromochloromethane	17	19.6		ug/m3		115	70 - 130
Dichlorodifluoromethane	9.9	10.9		ug/m3		110	60 - 140
Dodecane	14	17.7		ug/m3		127	60 - 140
Ethanol	19	15.5		ug/m3		83	60 - 140
Ethylbenzene	8.7	9.68		ug/m3		111	70 - 130
Heptane	8.2	9.06		ug/m3		110	70 - 130
Hexachlorobutadiene	21	28.1		ug/m3		132	60 - 140
Hexane	7.0	7.64		ug/m3		108	70 - 130
Isopropyl alcohol	4.9	6.18		ug/m3		126	60 - 140
Methyl tert-butyl ether	7.2	8.13		ug/m3		113	60 - 140
Methylene Chloride	6.9	7.71		ug/m3		111	70 - 130
m-Xylene & p-Xylene	17	19.8		ug/m3		114	70 - 130
Naphthalene	10	13.7		ug/m3		131	60 - 140
Nonane	10	11.9		ug/m3		113	60 - 140
Octane	9.3	10.7		ug/m3		115	70 - 130
o-Xylene	8.7	9.58		ug/m3		110	70 - 130
Pentane	5.9	6.62		ug/m3		112	70 - 130
Styrene	8.5	9.76		ug/m3		115	70 - 130
tert-Butyl alcohol	6.1	6.55		ug/m3		108	60 - 140

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

Lab Sample ID: LCS 140-46842/1002 **Client Sample ID: Lab Control Sample**
Matrix: Air **Prep Type: Total/NA**
Analysis Batch: 46842

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Tetrachloroethene			14	14.9		ug/m3		110	70 - 130		
Toluene			7.5	8.22		ug/m3		109	70 - 130		
trans-1,2-Dichloroethene			7.9	8.70		ug/m3		110	70 - 130		
trans-1,3-Dichloropropene			9.1	10.1		ug/m3		111	70 - 130		
Trichloroethene			11	11.2		ug/m3		105	70 - 130		
Trichlorofluoromethane			11	12.2		ug/m3		108	60 - 140		
Undecane			13	16.5		ug/m3		129	60 - 140		
Vinyl bromide			8.7	9.92		ug/m3		113	60 - 140		
Vinyl chloride			5.1	6.25		ug/m3		122	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*60 - 140*

QC Association Summary

Client: GEI Consultants, Inc. Job ID: 140-21885-1
Project/Site: Greenpoint Energy Center Former MGP Site

Air - GC/MS VOA

Analysis Batch: 46753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-21885-1	GPEC-SV306	Total/NA	Air	TO 15 LL	
140-21885-2	GPEC-IA 306	Total/NA	Air	TO 15 LL	
140-21885-3	GPEC-OA FACILITIES	Total/NA	Air	TO 15 LL	
140-21885-4	GPEC-IA 327	Total/NA	Air	TO 15 LL	
140-21885-5	GPEC-OA GATEHOUSE	Total/NA	Air	TO 15 LL	
MB 140-46753/4	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-46753/1002	Lab Control Sample	Total/NA	Air	TO 15 LL	

Analysis Batch: 46842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-21885-1 - DL	GPEC-SV306	Total/NA	Air	TO 15 LL	
140-21885-2 - DL	GPEC-IA 306	Total/NA	Air	TO 15 LL	
140-21885-4 - DL	GPEC-IA 327	Total/NA	Air	TO 15 LL	
140-21885-6	GPEC-XX 020421	Total/NA	Air	TO 15 LL	
MB 140-46842/4	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-46842/1002	Lab Control Sample	Total/NA	Air	TO 15 LL	

Client Sample ID: GPEC-SV306 — Lab Sample ID: 140-21885-1

Date Collected: 02/04/21 15:02 — **Matrix: Air**
Date Received: 02/06/21 09:15

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	DL	1	20 mL	500 mL	46842	02/12/21 00:38	S1K	TAL KNX
	Instrument ID: MH									
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	46753	02/10/21 03:11	S1K	TAL KNX
	Instrument ID: MS									

Client Sample ID: GPEC-IA 306 — Lab Sample ID: 140-21885-2

Date Collected: 02/04/21 15:21 — **Matrix: Air**
Date Received: 02/06/21 09:15

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	DL	1	40 mL	500 mL	46842	02/12/21 01:29	S1K	TAL KNX
	Instrument ID: MH									
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	46753	02/10/21 04:08	S1K	TAL KNX
	Instrument ID: MS									

Client Sample ID: GPEC-OA FACILITIES — Lab Sample ID: 140-21885-3

Date Collected: 02/04/21 14:49 — **Matrix: Air**
Date Received: 02/06/21 09:15

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	46753	02/10/21 05:06	S1K	TAL KNX
	Instrument ID: MS									

Client Sample ID: GPEC-IA 327 — Lab Sample ID: 140-21885-4

Date Collected: 02/04/21 15:16 — **Matrix: Air**
Date Received: 02/06/21 09:15

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	DL	1	25 mL	500 mL	46842	02/12/21 02:21	S1K	TAL KNX
	Instrument ID: MH									
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	46753	02/10/21 06:06	S1K	TAL KNX
	Instrument ID: MS									

Client Sample ID: GPEC-OA GATEHOUSE — Lab Sample ID: 140-21885-5

Date Collected: 02/04/21 15:18 — **Matrix: Air**
Date Received: 02/06/21 09:15

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	46753	02/10/21 07:03	S1K	TAL KNX
	Instrument ID: MS									

Client Sample ID: GPEC-XX 020421 — Lab Sample ID: 140-21885-6

Date Collected: 02/04/21 00:00 — **Matrix: Air**
Date Received: 02/06/21 09:15

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	30 mL	500 mL	46842	02/12/21 03:13	S1K	TAL KNX
	Instrument ID: MH									

Client Sample ID: Method Blank — Lab Sample ID: MB 140-46753/4

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	46753	02/09/21 15:29	S1K	TAL KNX
	Instrument ID: MS									

Client Sample ID: Method Blank — Lab Sample ID: MB 140-46842/4

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	46842	02/11/21 12:13	S1K	TAL KNX
	Instrument ID: MH									

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 140-46753/1002

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	46753	02/09/21 10:43	S1K	TAL KNX
	Instrument ID: MS									

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 140-46842/1002

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	46842	02/11/21 08:58	S1K	TAL KNX
	Instrument ID: MH									

Laboratory References:

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

Accreditation/Certification Summary

Client: GEI Consultants, Inc. Job ID: 140-21885-1
Project/Site: Greenpoint Energy Center Former MGP Site

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	04-01-21

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-Trichloro-1,2,2-trifluoroethane
TO 15 LL		Air	1,2,3-Trimethylbenzene
TO 15 LL		Air	1,2-Dichloro-1,1,2,2-tetrafluoroethane
TO 15 LL		Air	1,3,5-Trimethylbenzene
TO 15 LL		Air	1-Methylnaphthalene
TO 15 LL		Air	2-Hexanone
TO 15 LL		Air	2-Methylnaphthalene
TO 15 LL		Air	4-Ethyltoluene
TO 15 LL		Air	Butane
TO 15 LL		Air	Decane
TO 15 LL		Air	Dichlorodifluoromethane
TO 15 LL		Air	Dodecane
TO 15 LL		Air	Ethanol
TO 15 LL		Air	Nonane
TO 15 LL		Air	Octane
TO 15 LL		Air	o-Xylene
TO 15 LL		Air	Pentane
TO 15 LL		Air	Trichlorofluoromethane
TO 15 LL		Air	Undecane

Method Summary

Client: GEI Consultants, Inc. Job ID: 140-21885-1
Project/Site: Greenpoint Energy Center Former MGP Site

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: GEI Consultants, Inc. Job ID: 140-21885-1
Project/Site: Greenpoint Energy Center Former MGP Site

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
140-21885-1	GPEC-SV306	Air	02/04/21 15:02	02/06/21 09:15	Air Canister (6-Liter) #09606
140-21885-2	GPEC-IA 306	Air	02/04/21 15:21	02/06/21 09:15	Air Canister (6-Liter) #09974
140-21885-3	GPEC-OA FACILITIES	Air	02/04/21 14:49	02/06/21 09:15	Air Canister (6-Liter) #10716
140-21885-4	GPEC-IA 327	Air	02/04/21 15:16	02/06/21 09:15	Air Canister (6-Liter) #09978
140-21885-5	GPEC-OA GATEHOUSE	Air	02/04/21 15:18	02/06/21 09:15	Air Canister (6-Liter) #09507
140-21885-6	GPEC-XX 020421	Air	02/04/21 00:00	02/06/21 09:15	Air Canister (6-Liter) #11997

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.: 140-21885-1

SDG No.:

Matrix: Air Level: Low

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

Client Sample ID	Lab Sample ID	BFB #
GPEC-SV306	140-21885-1	98
GPEC-SV306 DL	140-21885-1 DL	97
GPEC-IA 306	140-21885-2	97
GPEC-IA 306 DL	140-21885-2 DL	96
GPEC-OA FACILITIES	140-21885-3	96
GPEC-IA 327	140-21885-4	97
GPEC-IA 327 DL	140-21885-4 DL	96
GPEC-OA GATEHOUSE	140-21885-5	97
GPEC-XX 020421	140-21885-6	95
	MB 140-46753/4	97
	MB 140-46842/4	91
	LCS 140-46753/1002	101
	LCS 140-46842/1002	98

	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.: 140-21885-1

SDG No.:

Matrix: Air Level: Low Lab File ID: SCCVB09A-LCS.d

Lab ID: LCS 140-46753/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	2.00	2.28	114	70-130	
1,1,2,2-Tetrachloroethane	2.00	2.33	116	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	2.28	114	70-130	
1,1,2-Trichloroethane	2.00	2.31	116	70-130	
1,1-Dichloroethane	2.00	2.22	111	70-130	
1,1-Dichloroethene	2.00	2.25	113	70-130	
1,2,3-Trimethylbenzene	2.00	2.41	120	70-130	
1,2,4-Trichlorobenzene	2.00	2.18	109	60-140	
1,2,4-Trimethylbenzene	2.00	2.38	119	70-130	
1,2-Dibromoethane (EDB)	2.00	2.36	118	70-130	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.00	2.26	113	60-140	
1,2-Dichlorobenzene	2.00	2.23	111	70-130	
1,2-Dichloroethane	2.00	2.11	106	70-130	
1,2-Dichloropropane	2.00	2.26	113	70-130	
1,3,5-Trimethylbenzene	2.00	2.39	120	70-130	
1,3-Butadiene	2.00	1.90	95	60-140	
1,3-Dichlorobenzene	2.00	2.24	112	70-130	
1,4-Dichlorobenzene	2.00	2.25	113	70-130	
1,4-Dioxane	2.00	2.38	119	60-140	
1-Methylnaphthalene	2.00	2.05	102	20-180	
2,2,4-Trimethylpentane	2.00	2.33	117	70-130	
2-Butanone (MEK)	2.00	2.15	108	60-140	
2-Chlorotoluene	2.00	2.38	119	70-130	
2-Hexanone	2.00	2.46	123	60-140	
2-Methylnaphthalene	2.00	2.20	110	20-180	
3-Chloropropene	2.00	2.27	113	60-140	
4-Ethyltoluene	2.00	2.34	117	70-130	
4-Methyl-2-pentanone (MIBK)	2.00	2.32	116	60-140	
Acetone	6.00	5.95	99	60-140	
Benzene	2.00	2.25	112	70-130	
Benzyl chloride	2.00	2.56	128	70-130	
Bromodichloromethane	2.00	2.43	121	70-130	
Bromoform	2.00	2.72	136	60-140	
Bromomethane	2.00	1.90	95	70-130	
Butane	2.00	1.90	95	60-140	
Carbon disulfide	2.00	2.38	119	70-130	
Carbon tetrachloride	2.00	2.51	125	70-130	
Chlorobenzene	2.00	2.30	115	70-130	
Chloroethane	2.00	1.96	98	70-130	
Chloroform	2.00	2.15	108	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.: 140-21885-1

SDG No.:

Matrix: Air Level: Low Lab File ID: SCCVB09A-LCS.d

Lab ID: LCS 140-46753/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Chloromethane	2.00	2.17	109	60-140	
cis-1,2-Dichloroethene	2.00	2.32	116	70-130	
cis-1,3-Dichloropropene	2.00	2.47	123	70-130	
Cyclohexane	2.00	2.35	117	70-130	
Decane	2.00	2.29	115	60-140	
Dibromochloromethane	2.00	2.60	130	70-130	
Dichlorodifluoromethane	2.00	2.35	117	60-140	
Dodecane	2.00	2.37	118	60-140	
Ethanol	10.0	8.64	86	60-140	
Ethylbenzene	2.00	2.42	121	70-130	
Heptane	2.00	2.45	123	70-130	
Hexachlorobutadiene	2.00	2.14	107	60-140	
Hexane	2.00	2.26	113	70-130	
Isopropyl alcohol	6.00	6.74	112	60-140	
Methyl tert-butyl ether	2.00	2.33	117	60-140	
Methylene Chloride	2.00	2.00	100	70-130	
m-Xylene & p-Xylene	4.00	4.98	124	70-130	
Naphthalene	2.00	2.35	118	60-140	
Nonane	2.00	2.42	121	60-140	
Octane	2.00	2.44	122	70-130	
o-Xylene	2.00	2.36	118	70-130	
Pentane	2.00	2.31	116	70-130	
Styrene	2.00	2.62	131	70-130	*+
tert-Butyl alcohol	2.00	2.33	116	60-140	
Tetrachloroethene	2.00	2.31	115	70-130	
Toluene	2.00	2.32	116	70-130	
trans-1,2-Dichloroethene	2.00	2.28	114	70-130	
trans-1,3-Dichloropropene	2.00	2.56	128	70-130	
Trichloroethene	2.00	2.29	115	70-130	
Trichlorofluoromethane	2.00	2.19	110	60-140	
Undecane	2.00	2.33	116	60-140	
Vinyl bromide	2.00	2.30	115	60-140	
Vinyl chloride	2.00	2.04	102	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.: 140-21885-1

SDG No.:

Matrix: Air Level: Low Lab File ID: HCCVB11-LCS.d

Lab ID: LCS 140-46842/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	2.00	2.09	104	70-130	
1,1,2,2-Tetrachloroethane	2.00	2.31	115	70-130	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	2.22	111	70-130	
1,1,2-Trichloroethane	2.00	2.21	111	70-130	
1,1-Dichloroethane	2.00	2.23	111	70-130	
1,1-Dichloroethene	2.00	2.15	107	70-130	
1,2,3-Trimethylbenzene	2.00	1.66	83	70-130	
1,2,4-Trichlorobenzene	2.00	2.57	129	60-140	
1,2,4-Trimethylbenzene	2.00	2.32	116	70-130	
1,2-Dibromoethane (EDB)	2.00	2.21	110	70-130	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.00	2.45	123	60-140	
1,2-Dichlorobenzene	2.00	2.24	112	70-130	
1,2-Dichloroethane	2.00	2.11	105	70-130	
1,2-Dichloropropane	2.00	2.21	111	70-130	
1,3,5-Trimethylbenzene	2.00	2.55	127	70-130	
1,3-Butadiene	2.00	2.44	122	60-140	
1,3-Dichlorobenzene	2.00	2.21	110	70-130	
1,4-Dichlorobenzene	2.00	2.15	107	70-130	
1,4-Dioxane	2.00	2.02	101	60-140	
1-Methylnaphthalene	2.00	1.82	91	20-180	
2,2,4-Trimethylpentane	2.00	2.23	111	70-130	
2-Butanone (MEK)	2.00	2.11	105	60-140	
2-Chlorotoluene	2.00	2.24	112	70-130	
2-Hexanone	2.00	2.23	111	60-140	
2-Methylnaphthalene	2.00	2.06	103	20-180	
3-Chloropropene	2.00	2.13	107	60-140	
4-Ethyltoluene	2.00	2.17	108	70-130	
4-Methyl-2-pentanone (MIBK)	2.00	2.17	109	60-140	
Acetone	2.00	2.08	104	60-140	
Benzene	2.00	2.23	111	70-130	
Benzyl chloride	2.00	2.36	118	70-130	
Bromodichloromethane	2.00	2.19	109	70-130	
Bromoform	2.00	2.27	113	60-140	
Bromomethane	2.00	2.46	123	70-130	
Butane	2.00	2.47	124	60-140	
Carbon disulfide	2.00	2.23	112	70-130	
Carbon tetrachloride	2.00	2.28	114	70-130	
Chlorobenzene	2.00	2.20	110	70-130	
Chloroethane	2.00	2.42	121	70-130	
Chloroform	2.00	2.15	108	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.: 140-21885-1

SDG No.:

Matrix: Air Level: Low Lab File ID: HCCVB11-LCS.d

Lab ID: LCS 140-46842/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Chloromethane	2.00	2.39	120	60-140	
cis-1,2-Dichloroethene	2.00	2.23	111	70-130	
cis-1,3-Dichloropropene	2.00	2.23	112	70-130	
Cyclohexane	2.00	2.20	110	70-130	
Decane	2.00	2.42	121	60-140	
Dibromochloromethane	2.00	2.30	115	70-130	
Dichlorodifluoromethane	2.00	2.21	110	60-140	
Dodecane	2.00	2.55	127	60-140	
Ethanol	10.0	8.25	83	60-140	
Ethylbenzene	2.00	2.23	111	70-130	
Heptane	2.00	2.21	110	70-130	
Hexachlorobutadiene	2.00	2.63	132	60-140	
Hexane	2.00	2.17	108	70-130	
Isopropyl alcohol	2.00	2.51	126	60-140	
Methyl tert-butyl ether	2.00	2.25	113	60-140	
Methylene Chloride	2.00	2.22	111	70-130	
m-Xylene & p-Xylene	4.00	4.56	114	70-130	
Naphthalene	2.00	2.61	131	60-140	
Nonane	2.00	2.26	113	60-140	
Octane	2.00	2.30	115	70-130	
o-Xylene	2.00	2.21	110	70-130	
Pentane	2.00	2.24	112	70-130	
Styrene	2.00	2.29	115	70-130	
tert-Butyl alcohol	2.00	2.16	108	60-140	
Tetrachloroethene	2.00	2.20	110	70-130	
Toluene	2.00	2.18	109	70-130	
trans-1,2-Dichloroethene	2.00	2.19	110	70-130	
trans-1,3-Dichloropropene	2.00	2.22	111	70-130	
Trichloroethene	2.00	2.09	105	70-130	
Trichlorofluoromethane	2.00	2.17	108	60-140	
Undecane	2.00	2.58	129	60-140	
Vinyl bromide	2.00	2.27	113	60-140	
Vinyl chloride	2.00	2.45	122	70-130	

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.: 140-21885-1

SDG No.:

Lab File ID: H500BB11.D Lab Sample ID: MB 140-46842/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: MH Date Analyzed: 02/11/2021 12:13

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 140-46842/1002	HCCVB11-LCS.d	02/11/2021 08:58
GPEC-SV306 DL	140-21885-1 DL	HB11P106.D	02/12/2021 00:38
GPEC-IA 306 DL	140-21885-2 DL	HB11P107.D	02/12/2021 01:29
GPEC-IA 327 DL	140-21885-4 DL	HB11P108.D	02/12/2021 02:21
GPEC-XX 020421	140-21885-6	HB11P109.D	02/12/2021 03:13

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Lab File ID: S500BB09.D Lab Sample ID: MB 140-46753/4

Matrix: Air Heated Purge:(Y/N) N

Instrument ID: MS Date Analyzed: 02/09/2021 15:29

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 140-46753/1002	SCCVB09A-LCS.d	02/09/2021 10:43
GPEC-SV306	140-21885-1	SB09P111.D	02/10/2021 03:11
GPEC-IA 306	140-21885-2	SB09P112.D	02/10/2021 04:08
GPEC-OA FACILITIES	140-21885-3	SB09P113.D	02/10/2021 05:06
GPEC-IA 327	140-21885-4	SB09P114.D	02/10/2021 06:06
GPEC-OA GATEHOUSE	140-21885-5	SB09P115.D	02/10/2021 07:03

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Lab File ID: HXB08BLK1.D BFB Injection Date: 02/08/2021

Instrument ID: MH BFB Injection Time: 19:32

Analysis Batch No.: 46776

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.3	
75	30.0 - 60.0 % of mass 95	46.2	
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	0.4	(0.5) 1
174	Greater than 50% of mass 95	90.3	
175	5.0 - 9.0 % of mass 174	6.2	(6.9) 1
176	95.0 - 101.0 % of mass 174	87.5	(96.9) 1
177	5.0 - 9.0 % of mass 176	5.8	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 140-46776/3	HXB08IC10.D	02/08/2021	20:24
	IC 140-46776/5	HXB08IC09.D	02/08/2021	22:08
	IC 140-46776/7	HXB08IC08.D	02/08/2021	23:53
	IC 140-46776/9	HXB08IC01.D	02/09/2021	1:35
	IC 140-46776/10	HXB08IC02.D	02/09/2021	2:25
	IC 140-46776/11	HXB08IC03.D	02/09/2021	3:17
	IC 140-46776/12	HXB08IC04.D	02/09/2021	4:09
	IC 140-46776/13	HXB08IC05.D	02/09/2021	5:00
	IC 140-46776/14	HXB08IC06.D	02/09/2021	5:52
	ICIS 140-46776/15	HXB08IC07.D	02/09/2021	6:44
	ICV 140-46776/17	HXB08ICV.D	02/09/2021	8:26

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Lab File ID: HBFBB11.D BFB Injection Date: 02/11/2021

Instrument ID: MH BFB Injection Time: 08:31

Analysis Batch No.: 46842

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	14.8	
75	30.0 - 60.0 % of mass 95	45.4	
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	0.4	(0.5) 1
174	Greater than 50% of mass 95	90.3	
175	5.0 - 9.0 % of mass 174	6.3	(7.0) 1
176	95.0 - 101.0 % of mass 174	87.2	(96.6) 1
177	5.0 - 9.0 % of mass 176	5.7	(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 140-46842/2	HCCVB11.D	02/11/2021	8:58
	LCS 140-46842/1002	HCCVB11-LCS.d	02/11/2021	8:58
	MB 140-46842/4	H500BB11.D	02/11/2021	12:13
GPEC-SV306 DL	140-21885-1 DL	HB11P106.D	02/12/2021	0:38
GPEC-IA 306 DL	140-21885-2 DL	HB11P107.D	02/12/2021	1:29
GPEC-IA 327 DL	140-21885-4 DL	HB11P108.D	02/12/2021	2:21
GPEC-XX 020421	140-21885-6	HB11P109.D	02/12/2021	3:13

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Lab File ID: SA20BFB.D BFB Injection Date: 01/20/2021

Instrument ID: MS BFB Injection Time: 13:40

Analysis Batch No.: 46159

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.2	
75	30.0 - 60.0 % of mass 95	48.5	
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	0.5	(0.6) 1
174	Greater than 50% of mass 95	81.8	
175	5.0 - 9.0 % of mass 174	5.7	(7.0) 1
176	95.0 - 101.0 % of mass 174	77.9	(95.3) 1
177	5.0 - 9.0 % of mass 176	5.1	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 140-46159/3	SA20IC10.D	01/20/2021	15:02
	IC 140-46159/5	SA20IC09.D	01/20/2021	16:49
	IC 140-46159/9	SA20IC01.D	01/20/2021	20:22
	IC 140-46159/10	SA20IC02.D	01/20/2021	21:14
	IC 140-46159/11	SA20IC03.D	01/20/2021	22:07
	IC 140-46159/12	SA20IC04.D	01/20/2021	23:01
	IC 140-46159/13	SA20IC05.D	01/20/2021	23:54
	IC 140-46159/14	SA20IC06.D	01/21/2021	0:48
	ICIS 140-46159/15	SA20IC07.D	01/21/2021	1:41
	ICV 140-46159/17	SA20ICV.D	01/21/2021	3:29
	IC 140-46159/21	SA20IC08R.D	01/21/2021	8:11

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Lab File ID: SBFBB09A.D BFB Injection Date: 02/09/2021

Instrument ID: MS BFB Injection Time: 10:15

Analysis Batch No.: 46753

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	46.3	
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	81.3	
175	5.0 - 9.0 % of mass 174	5.9	(7.3) 1
176	95.0 - 101.0 % of mass 174	78.8	(96.9) 1
177	5.0 - 9.0 % of mass 176	5.2	(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 140-46753/2	SCCVB09A.D	02/09/2021	10:43
	LCS 140-46753/1002	SCCVB09A-LCS.	02/09/2021	10:43
	MB 140-46753/4	S500BB09.D	02/09/2021	15:29
GPEC-SV306	140-21885-1	SB09P111.D	02/10/2021	3:11
GPEC-IA 306	140-21885-2	SB09P112.D	02/10/2021	4:08
GPEC-OA FACILITIES	140-21885-3	SB09P113.D	02/10/2021	5:06
GPEC-IA 327	140-21885-4	SB09P114.D	02/10/2021	6:06
GPEC-OA GATEHOUSE	140-21885-5	SB09P115.D	02/10/2021	7:03

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Sample No.: ICIS 140-46776/15 Date Analyzed: 02/09/2021 06:44

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm)

Lab File ID (Standard): HXB08IC07.D Heated Purge: (Y/N) N

Calibration ID: 2890

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		440849	9.43	2044363	11.67	1797479	16.41
UPPER LIMIT		617189	9.76	2862108	12.00	2516471	16.74
LOWER LIMIT		264509	9.10	1226618	11.34	1078487	16.08
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 140-46776/17		444710	9.43	2057254	11.67	1810720	16.41

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.: 140-21885-1

SDG No.:

Sample No.: CCVIS 140-46842/2 Date Analyzed: 02/11/2021 08:58

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm)

Lab File ID (Standard): HCCVB11.D Heated Purge: (Y/N) N

Calibration ID: 2890

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		353503	9.45	1635050	11.68	1435865	16.41
UPPER LIMIT		494904	9.78	2289070	12.01	2010211	16.74
LOWER LIMIT		212102	9.12	981030	11.35	861519	16.08
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 140-46842/1002		353503	9.45	1635050	11.68	1435865	16.41
MB 140-46842/4		358679	9.43	1644399	11.66	1371917	16.40
140-21885-1 DL	GPEC-SV306 DL	323831	9.43	1485389	11.66	1265608	16.40
140-21885-2 DL	GPEC-IA 306 DL	323521	9.43	1498392	11.66	1265313	16.40
140-21885-4 DL	GPEC-IA 327 DL	318428	9.43	1457348	11.66	1223947	16.40
140-21885-6	GPEC-XX 020421	317206	9.45	1455382	11.67	1224368	16.41

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.: 140-21885-1

SDG No.:

Sample No.: ICIS 140-46159/15 Date Analyzed: 01/21/2021 01:41

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm)

Lab File ID (Standard): SA20IC07.D Heated Purge: (Y/N) N

Calibration ID: 2847

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		239538	9.26	1156240	11.43	1008042	16.10
UPPER LIMIT		335353	9.59	1618736	11.76	1411259	16.43
LOWER LIMIT		143723	8.93	693744	11.10	604825	15.77
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 140-46159/17		246095	9.26	1173426	11.43	1023021	16.10

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.: 140-21885-1

SDG No.:

Sample No.: CCVIS 140-46753/2 Date Analyzed: 02/09/2021 10:43

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm)

Lab File ID (Standard): SCCVB09A.D Heated Purge: (Y/N) N

Calibration ID: 2847

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		299327	9.26	1431279	11.43	1228286	16.10
UPPER LIMIT		419058	9.59	2003791	11.76	1719600	16.43
LOWER LIMIT		179596	8.93	858767	11.10	736972	15.77
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 140-46753/1002		299327	9.26	1431279	11.43	1228286	16.10
MB 140-46753/4		300337	9.26	1433802	11.43	1203371	16.10
140-21885-1	GPEC-SV306	266812	9.25	1265320	11.43	1080658	16.10
140-21885-2	GPEC-IA 306	267575	9.25	1260541	11.43	1065096	16.10
140-21885-3	GPEC-OA FACILITIES	279343	9.25	1313134	11.43	1114720	16.10
140-21885-4	GPEC-IA 327	279649	9.25	1316330	11.43	1116186	16.10
140-21885-5	GPEC-OA GATEHOUSE	275041	9.25	1315113	11.43	1095694	16.10

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.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-SV306 Lab Sample ID: 140-21885-1

Matrix: Air Lab File ID: SB09P111.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:02

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 03:11

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	2.8		0.080	0.037
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.080	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	0.071	J	0.080	0.0080
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.080	0.0070
75-34-3	1,1-Dichloroethane	98.96	0.70		0.080	0.0070
75-35-4	1,1-Dichloroethene	96.94	ND		0.040	0.0080
526-73-8	1,2,3-Trimethylbenzene	120.19	0.096		0.080	0.036
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.080	0.064
95-63-6	1,2,4-Trimethylbenzene	120.20	0.25		0.080	0.020
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		0.080	0.0070
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	0.015	J	0.080	0.012
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.080	0.031
107-06-2	1,2-Dichloroethane	98.96	0.019	J	0.080	0.010
78-87-5	1,2-Dichloropropane	112.99	ND		0.080	0.010
108-67-8	1,3,5-Trimethylbenzene	120.20	0.088		0.080	0.022
106-99-0	1,3-Butadiene	54.09	ND		0.16	0.019
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.080	0.016
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.080	0.016
123-91-1	1,4-Dioxane	88.11	ND		0.20	0.030
90-12-0	1-Methylnaphthalene	142.20	ND		1.0	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	0.065	J	0.20	0.0080
78-93-3	2-Butanone (MEK)	72.11	0.55		0.32	0.073
95-49-8	2-Chlorotoluene	126.59	ND		0.16	0.016
591-78-6	2-Hexanone	100.20	0.046	J	0.20	0.016
91-57-6	2-Methylnaphthalene	142.20	ND		1.0	0.27
107-05-1	3-Chloropropene	76.53	ND		0.080	0.023
622-96-8	4-Ethyltoluene	120.20	0.054	J	0.16	0.021
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	0.056	J	0.20	0.054
67-64-1	Acetone	58.08	6.9	CI	2.0	0.57
71-43-2	Benzene	78.11	0.18	B	0.080	0.0080
100-44-7	Benzyl chloride	126.58	ND		0.16	0.038
75-27-4	Bromodichloromethane	163.83	ND		0.080	0.018
75-25-2	Bromoform	252.75	ND		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-SV306 Lab Sample ID: 140-21885-1

Matrix: Air Lab File ID: SB09P111.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:02

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 03:11

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND		0.080	0.022
106-97-8	Butane	58.12	0.82		0.16	0.083
75-15-0	Carbon disulfide	76.14	0.058	J B	0.20	0.011
56-23-5	Carbon tetrachloride	153.81	0.067		0.032	0.0070
108-90-7	Chlorobenzene	112.56	0.0099	J B	0.080	0.0060
75-00-3	Chloroethane	64.52	ND		0.080	0.029
67-66-3	Chloroform	119.38	0.071	J	0.080	0.0070
74-87-3	Chloromethane	50.49	0.13	J	0.20	0.066
156-59-2	cis-1,2-Dichloroethene	96.94	0.016	J	0.040	0.010
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.080	0.016
110-82-7	Cyclohexane	84.16	0.072	J	0.20	0.023
124-18-5	Decane	142.28	0.22	J	0.40	0.038
124-48-1	Dibromochloromethane	208.28	ND		0.080	0.0070
75-71-8	Dichlorodifluoromethane	120.91	0.25		0.080	0.014
112-40-3	Dodecane	170.33	ND		0.40	0.064
64-17-5	*Ethanol*	*46.07*	*610*	*E*	*2.0*	*0.87*
100-41-4	Ethylbenzene	106.17	0.080		0.080	0.013
142-82-5	Heptane	100.21	0.14	J	0.20	0.014
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	0.032
110-54-3	Hexane	86.17	0.21		0.20	0.013
67-63-0	*Isopropyl alcohol*	*60.10*	*48*	*E*	*0.80*	*0.22*
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.16	0.052
75-09-2	Methylene Chloride	84.93	2.3		0.40	0.39
179601-23-1	m-Xylene & p-Xylene	106.17	0.29		0.080	0.029
91-20-3	Naphthalene	128.17	ND		0.20	0.076
111-84-2	Nonane	128.26	0.11	J	0.20	0.018
111-65-9	Octane	114.23	0.044	J	0.16	0.016
95-47-6	o-Xylene	106.17	0.098		0.080	0.015
109-66-0	Pentane	72.15	0.23	J	0.40	0.079
100-42-5	Styrene	104.15	ND	*+	0.080	0.024
75-65-0	tert-Butyl alcohol	74.12	0.16	J	0.32	0.088
127-18-4	Tetrachloroethene	165.83	0.18		0.080	0.0070
108-88-3	Toluene	92.14	1.1		0.12	0.078
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.080	0.0070
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-SV306 Lab Sample ID: 140-21885-1

Matrix: Air Lab File ID: SB09P111.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:02

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 03:11

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.20		0.036	0.0060
75-69-4	Trichlorofluoromethane	137.37	0.24		0.080	0.011
1120-21-4	Undecane	156.31	ND		0.40	0.048
593-60-2	Vinyl bromide	106.96	ND		0.080	0.020
75-01-4	Vinyl chloride	62.50	ND		0.040	0.026

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.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-SV306 Lab Sample ID: 140-21885-1

Matrix: Air Lab File ID: SB09P111.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:02

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 03:11

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	15		0.44	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.55	0.096
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	0.54	J	0.61	0.061
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.44	0.038
75-34-3	1,1-Dichloroethane	98.96	2.8		0.32	0.028
75-35-4	1,1-Dichloroethene	96.94	ND		0.16	0.032
526-73-8	1,2,3-Trimethylbenzene	120.19	0.47		0.39	0.18
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.59	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	1.2		0.39	0.098
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		0.61	0.054
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	0.10	J	0.56	0.084
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.48	0.19
107-06-2	1,2-Dichloroethane	98.96	0.076	J	0.32	0.040
78-87-5	1,2-Dichloropropane	112.99	ND		0.37	0.046
108-67-8	1,3,5-Trimethylbenzene	120.20	0.43		0.39	0.11
106-99-0	1,3-Butadiene	54.09	ND		0.35	0.042
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.48	0.096
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.48	0.096
123-91-1	1,4-Dioxane	88.11	ND		0.72	0.11
90-12-0	1-Methylnaphthalene	142.20	ND		5.8	1.5
540-84-1	2,2,4-Trimethylpentane	114.23	0.30	J	0.93	0.037
78-93-3	2-Butanone (MEK)	72.11	1.6		0.94	0.22
95-49-8	2-Chlorotoluene	126.59	ND		0.83	0.083
591-78-6	2-Hexanone	100.20	0.19	J	0.82	0.066
91-57-6	2-Methylnaphthalene	142.20	ND		5.8	1.6
107-05-1	3-Chloropropene	76.53	ND		0.25	0.072
622-96-8	4-Ethyltoluene	120.20	0.27	J	0.79	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	0.23	J	0.82	0.22
67-64-1	Acetone	58.08	16	CI	4.8	1.4
71-43-2	Benzene	78.11	0.57	B	0.26	0.026
100-44-7	Benzyl chloride	126.58	ND		0.83	0.20
75-27-4	Bromodichloromethane	163.83	ND		0.54	0.12
75-25-2	Bromoform	252.75	ND		0.83	0.093

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-SV306 Lab Sample ID: 140-21885-1

Matrix: Air Lab File ID: SB09P111.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:02

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 03:11

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND		0.31	0.085
106-97-8	Butane	58.12	2.0		0.38	0.20
75-15-0	Carbon disulfide	76.14	0.18	J B	0.62	0.034
56-23-5	Carbon tetrachloride	153.81	0.42		0.20	0.044
108-90-7	Chlorobenzene	112.56	0.046	J B	0.37	0.028
75-00-3	Chloroethane	64.52	ND		0.21	0.077
67-66-3	Chloroform	119.38	0.35	J	0.39	0.034
74-87-3	Chloromethane	50.49	0.27	J	0.41	0.14
156-59-2	cis-1,2-Dichloroethene	96.94	0.063	J	0.16	0.040
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.36	0.073
110-82-7	Cyclohexane	84.16	0.25	J	0.69	0.079
124-18-5	Decane	142.28	1.3	J	2.3	0.22
124-48-1	Dibromochloromethane	208.28	ND		0.68	0.060
75-71-8	Dichlorodifluoromethane	120.91	1.2		0.40	0.069
112-40-3	Dodecane	170.33	ND		2.8	0.45
64-17-5	*Ethanol*	*46.07*	*1100*	*E*	*3.8*	*1.6*
100-41-4	Ethylbenzene	106.17	0.35		0.35	0.056
142-82-5	Heptane	100.21	0.59	J	0.82	0.057
87-68-3	Hexachlorobutadiene	260.76	ND		0.85	0.34
110-54-3	Hexane	86.17	0.73		0.70	0.046
67-63-0	*Isopropyl alcohol*	*60.10*	*120*	*E*	*2.0*	*0.54*
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.58	0.19
75-09-2	Methylene Chloride	84.93	7.8		1.4	1.4
179601-23-1	m-Xylene & p-Xylene	106.17	1.3		0.35	0.13
91-20-3	Naphthalene	128.17	ND		1.0	0.40
111-84-2	Nonane	128.26	0.59	J	1.0	0.094
111-65-9	Octane	114.23	0.20	J	0.75	0.075
95-47-6	o-Xylene	106.17	0.43		0.35	0.065
109-66-0	Pentane	72.15	0.68	J	1.2	0.23
100-42-5	Styrene	104.15	ND	*+	0.34	0.10
75-65-0	tert-Butyl alcohol	74.12	0.49	J	0.97	0.27
127-18-4	Tetrachloroethene	165.83	1.2		0.54	0.047
108-88-3	Toluene	92.14	4.1		0.45	0.29
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.32	0.028
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.36	0.041

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-SV306 Lab Sample ID: 140-21885-1

Matrix: Air Lab File ID: SB09P111.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:02

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 03:11

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.1		0.19	0.032
75-69-4	Trichlorofluoromethane	137.37	1.3		0.45	0.062
1120-21-4	Undecane	156.31	ND		2.6	0.31
593-60-2	Vinyl bromide	106.96	ND		0.35	0.087
75-01-4	Vinyl chloride	62.50	ND		0.10	0.066

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
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-SV306 Lab Sample ID: 140-21885-1

Matrix: Air Lab File ID: SB09P111.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:02

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 03:11

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.: 46753 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		
496-11-7	Indane TIC		ND		
95-13-6	Indene TIC		ND		
110-02-1	Thiophene TIC		ND		

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-SV306 Lab Sample ID: 140-21885-1

Matrix: Air Lab File ID: SB09P111.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:02

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 03:11

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.: 46753 Units: ug/m3

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		
496-11-7	Indane TIC		ND		
95-13-6	Indene TIC		ND		
110-02-1	Thiophene TIC		ND		

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D
Lims ID: 140-21885-A-1
Client ID: GPEC-SV306
Sample Type: Client
Inject. Date: 10-Feb-2021 03:11:30 ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018147-016
Misc. Info.: 140-21885-a-1
Operator ID: HMT Instrument ID: MS

Method: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 10-Feb-2021 17:10:59 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1657

First Level Reviewer: khachitpongpanits Date: 10-Feb-2021 17:10:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.250	9.255	-0.005	96	266812	4.80	
* 2 1,4-Difluorobenzene	114	11.429	11.434	-0.005	95	1265320	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.098	16.098	0.000	88	1080658	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.744	17.744	0.000	87	803089	4.56	
8 Dichlorodifluoromethane	85	3.876	3.873	0.001	100	51725	0.2459	
9 Chloromethane	52	4.075	4.075	0.001	97	1893	0.1302	Ma
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.077	0.000	62	1548	0.0147	
14 Butane	43	4.354	4.352	0.000	90	54245	0.8213	
17 Ethanol	31	4.995	4.948	0.044	94	11018531	609.3	E
20 Trichlorofluoromethane	101	5.473	5.475	-0.005	99	50723	0.2393	
23 Acetone	58	5.597	5.599	-0.005	98	286881	6.93	
24 Isopropyl alcohol	45	5.716	5.680	0.033	99	4704933	48.5	E
25 Pentane	72	5.705	5.712	-0.010	41	2863	0.2319	
29 2-Methyl-2-propanol	59	6.356	6.314	0.038	97	20456	0.1617	
30 112TCTFE	101	6.415	6.416	-0.005	94	12024	0.0708	
31 Methylene Chloride	84	6.603	6.599	0.000	98	180438	2.25	
33 Carbon disulfide	76	6.775	6.776	-0.005	98	11857	0.0581	
37 1,1-Dichloroethane	63	7.894	7.889	0.000	100	103596	0.6951	
39 2-Butanone (MEK)	72	8.454	8.443	0.006	98	20330	0.5502	
40 Hexane	56	8.481	8.481	-0.005	79	13351	0.2071	
42 cis-1,2-Dichloroethene	96	8.900	8.905	-0.011	36	1237	0.0158	
44 Chloroform	83	9.261	9.260	-0.005	41	12401	0.0710	
47 1,1,1-Trichloroethane	97	10.310	10.309	-0.005	97	466376	2.80	
48 1,2-Dichloroethane	62	10.412	10.417	-0.010	68	2191	0.0189	
50 Cyclohexane	69	10.901	10.901	-0.005	45	2362	0.0724	
51 Benzene	78	10.901	10.901	-0.005	97	40908	0.1791	
52 Carbon tetrachloride	117	10.918	10.923	-0.010	93	10283	0.0668	
55 Isooctane	57	11.644	11.638	0.001	82	23810	0.0647	
56 n-Heptane	71	12.010	12.004	0.001	91	10077	0.1447	
58 Trichloroethene	130	12.139	12.133	0.001	94	20342	0.2010	
64 4-Methyl-2-pentanone (MIBK)	43	13.279	13.262	0.011	95	9635	0.0562	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
67 Toluene	91	14.151	14.156	-0.005	94	293133	1.09	
69 2-Hexanone	58	14.586	14.586	0.000	80	3863	0.0463	
70 n-Octane	85	14.812	14.812	0.000	34	3353	0.0439	
73 Tetrachloroethene	129	15.275	15.280	-0.005	94	17268	0.1771	
75 Chlorobenzene	112	16.147	16.146	0.001	37	2143	0.0099	
76 Ethylbenzene	91	16.421	16.426	-0.005	99	26833	0.0796	
77 m-Xylene & p-Xylene	91	16.582	16.582	0.000	99	74810	0.2935	
78 n-Nonane	57	16.986	16.985	0.001	94	19318	0.1129	
81 o-Xylene	91	17.115	17.115	0.001	97	28381	0.0985	
87 4-Ethyltoluene	105	18.384	18.384	0.000	95	21807	0.0540	a
88 1,3,5-Trimethylbenzene	120	18.454	18.454	0.000	93	13982	0.0880	
90 n-Decane	57	18.729	18.728	0.001	91	54003	0.2200	
92 1,2,4-Trimethylbenzene	105	18.890	18.890	0.000	98	82664	0.2466	
98 1,2,3-Trimethylbenzene	105	19.358	19.358	0.000	98	33013	0.0965	
104 Undecane	57	20.020	20.019	0.001	92	8901	0.0317	
107 Dodecane	57	21.101	21.101	0.000	93	15722	0.0550	

QC Flag Legend

Processing Flags
- E - Exceeded Maximum Amount

Review Flags
- M - Manually Integrated
- a - User Assigned ID

Reagents:

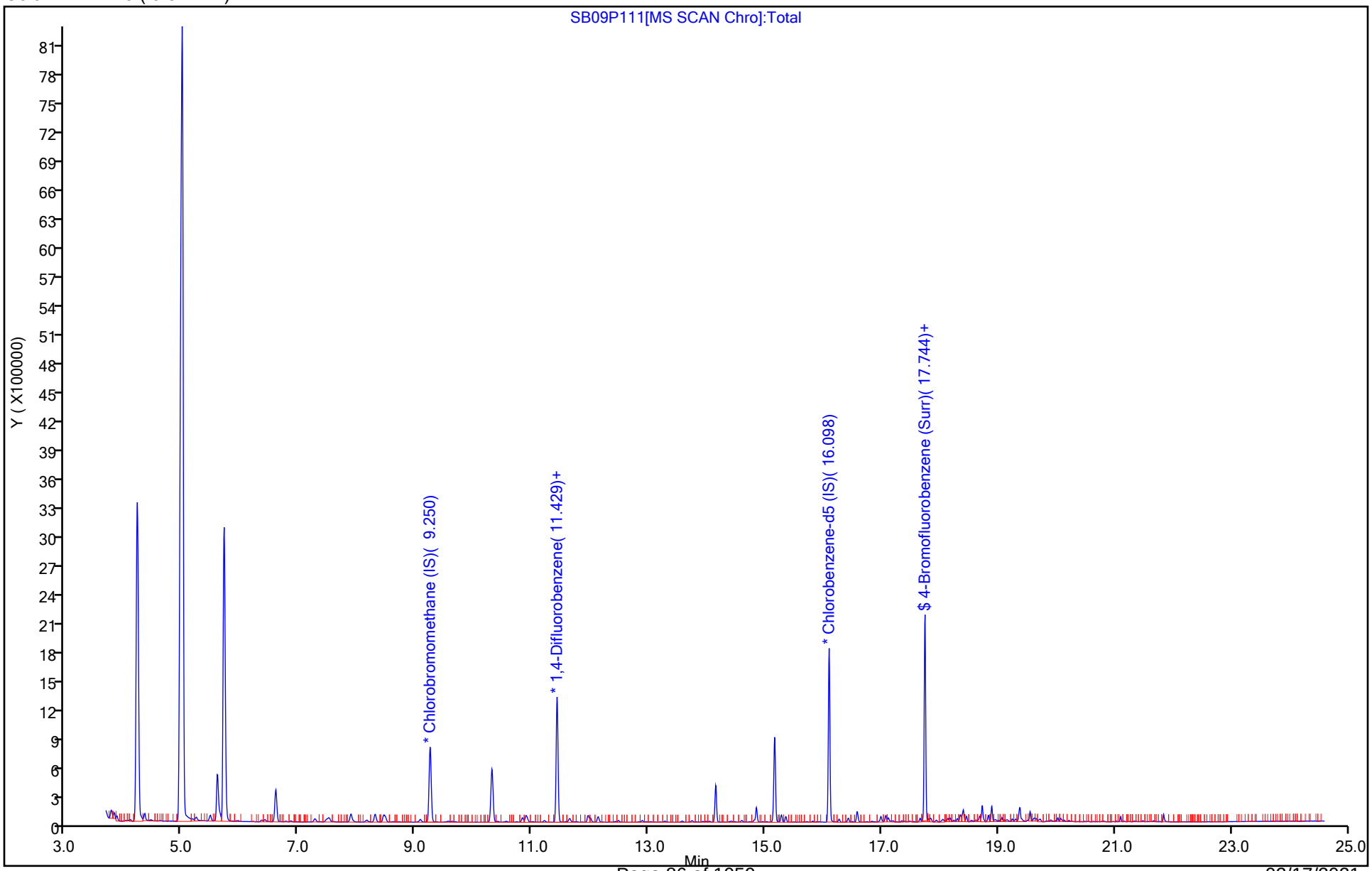
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 10-Feb-2021 17:11:00 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D				
Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1	Worklist Smp#:	16
Client ID:	GPEC-SV306				
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)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D				
Lims ID:	140-21885-A-1				
Client ID:	GPEC-SV306				
Sample Type:	Client				
Inject. Date:	10-Feb-2021 03:11:30	ALS Bottle#:	11	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018147-016				
Misc. Info.:	140-21885-a-1				
Operator ID:	HMT	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	10-Feb-2021 17:10:59	Calib Date:	21-Jan-2021 08:11:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1657				

First Level Reviewer: khachitpongpanits Date: 10-Feb-2021 17:10:59

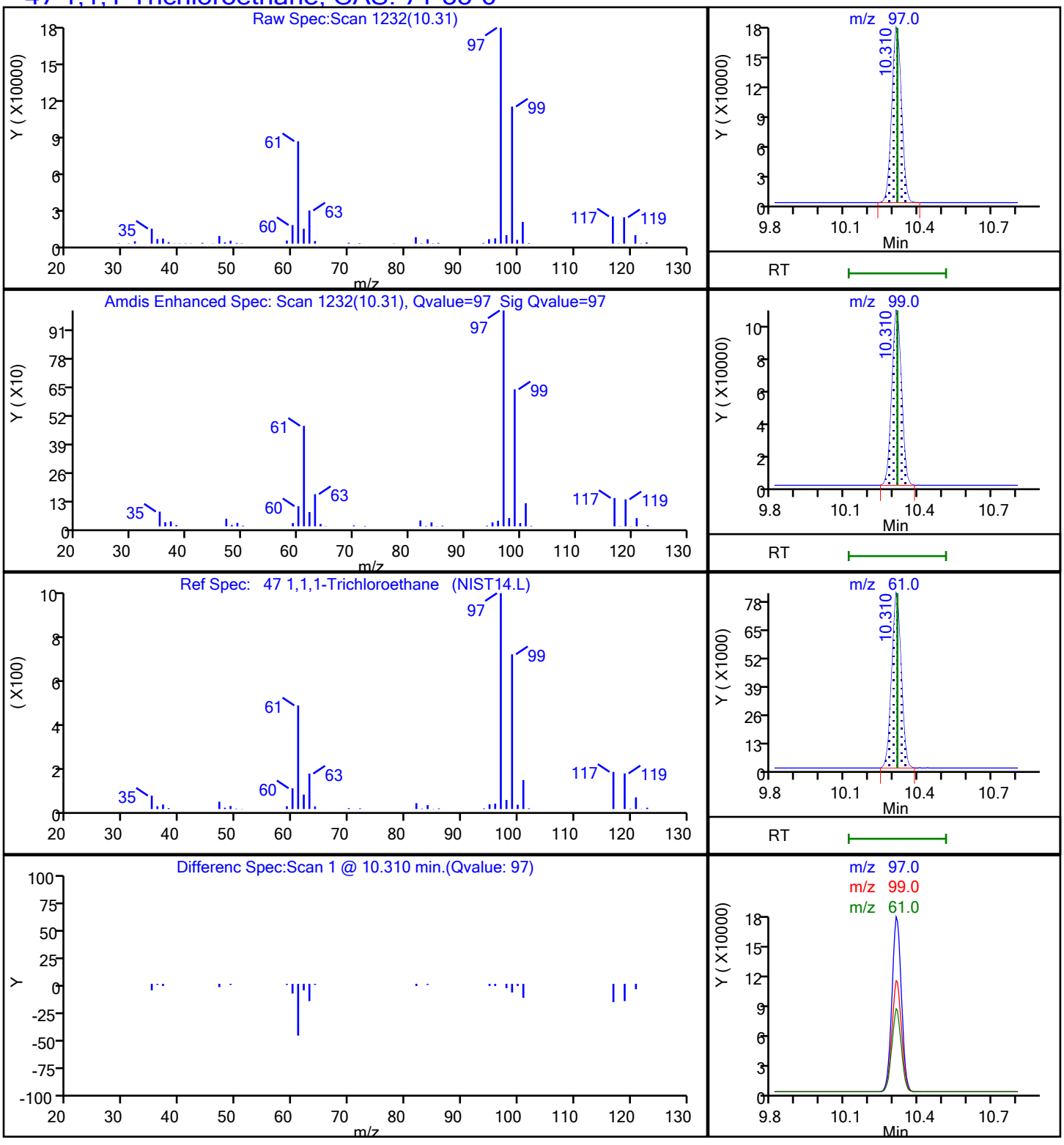
Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.56	98.20

Report Date: 10-Feb-2021 17:11:00 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D				
Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS		
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1		
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
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		

47 1,1,1-Trichloroethane, CAS: 71-55-6

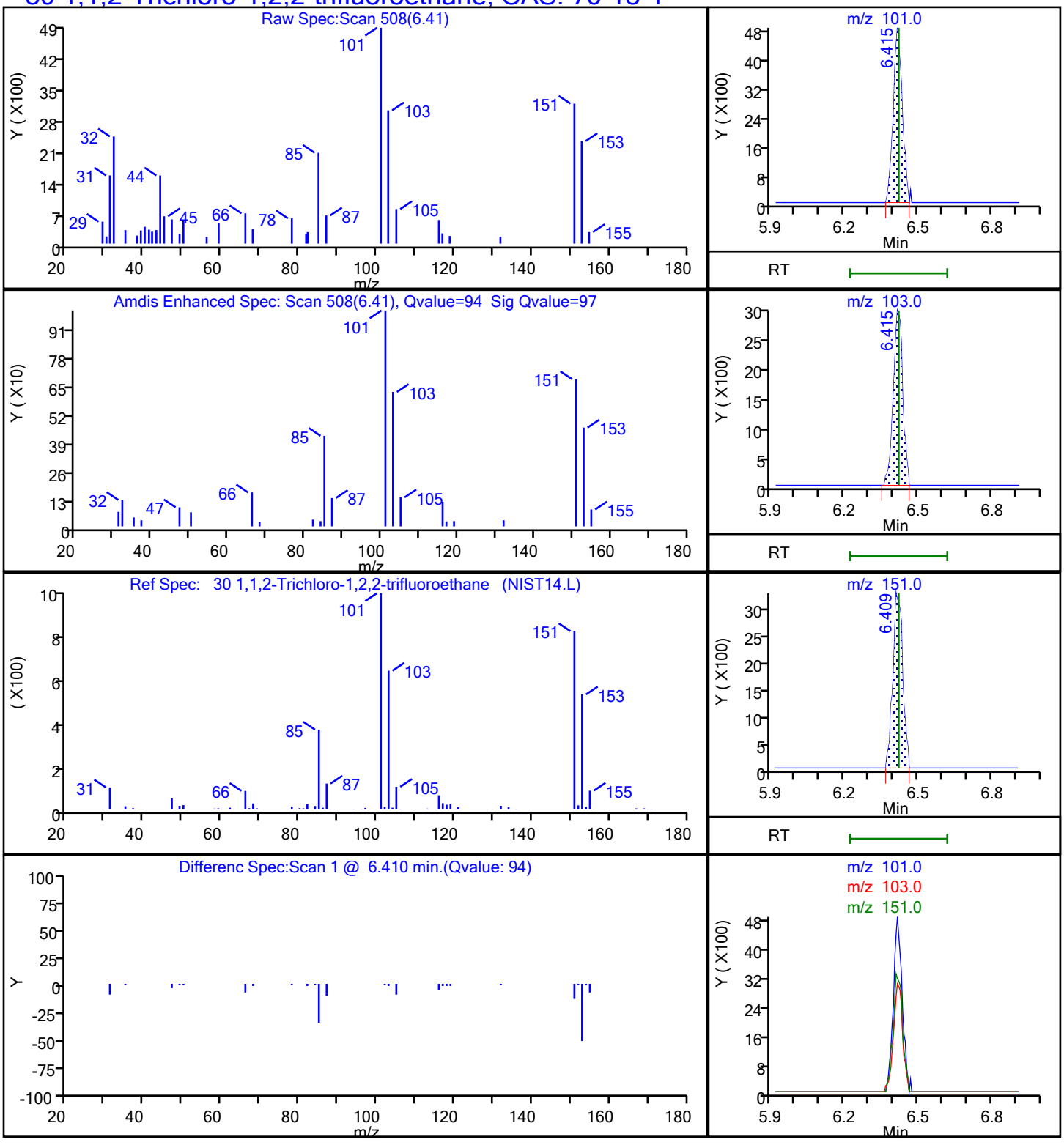


Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D

Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS		
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1		
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
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		

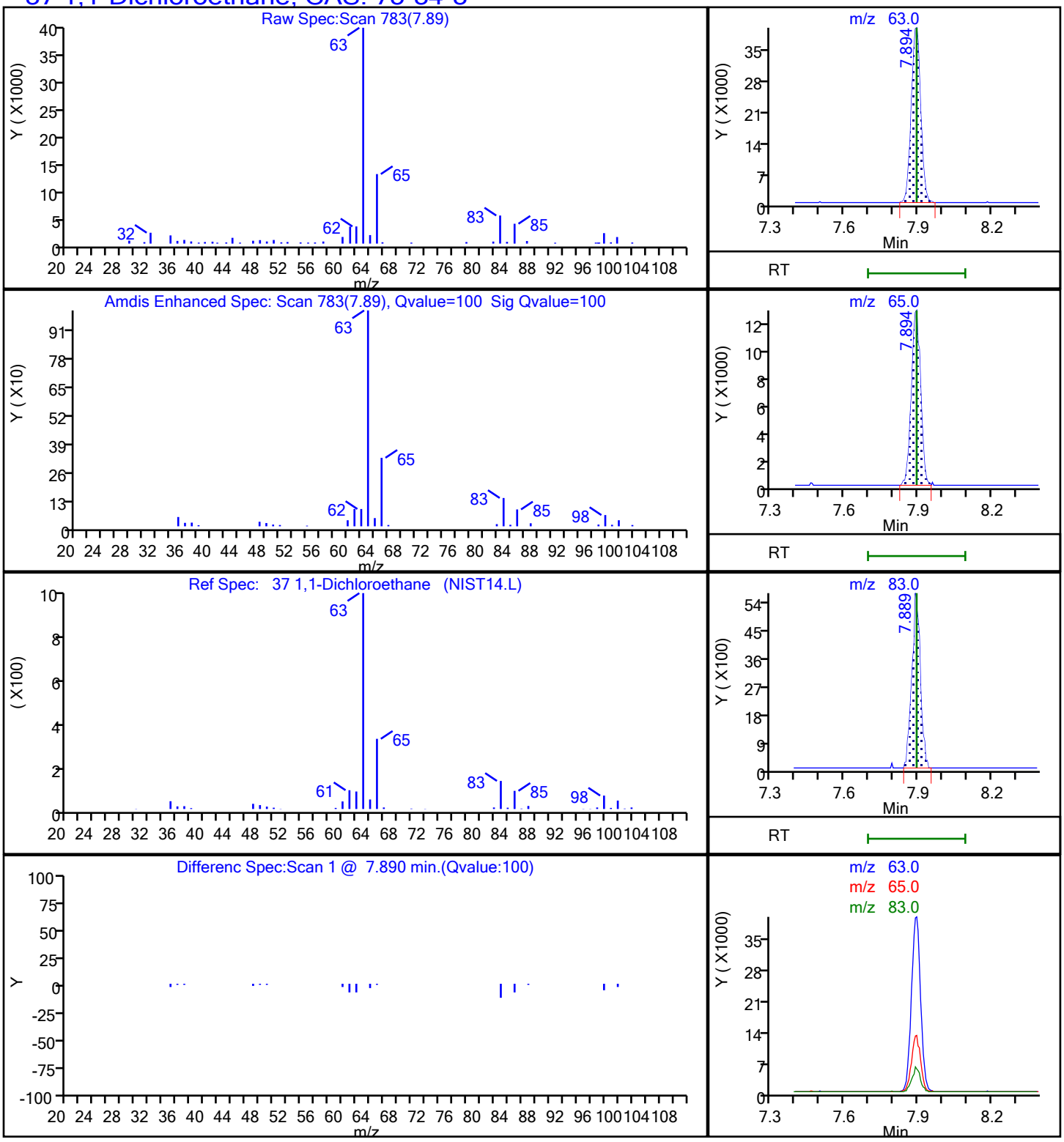
30 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D		
Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1
Client ID:	GPEC-SV306		
Operator ID:	HMT	ALS Bottle#:	11 Worklist Smp#: 16
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

37 1,1-Dichloroethane, CAS: 75-34-3



Report Date: 10-Feb-2021 17:11:01 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

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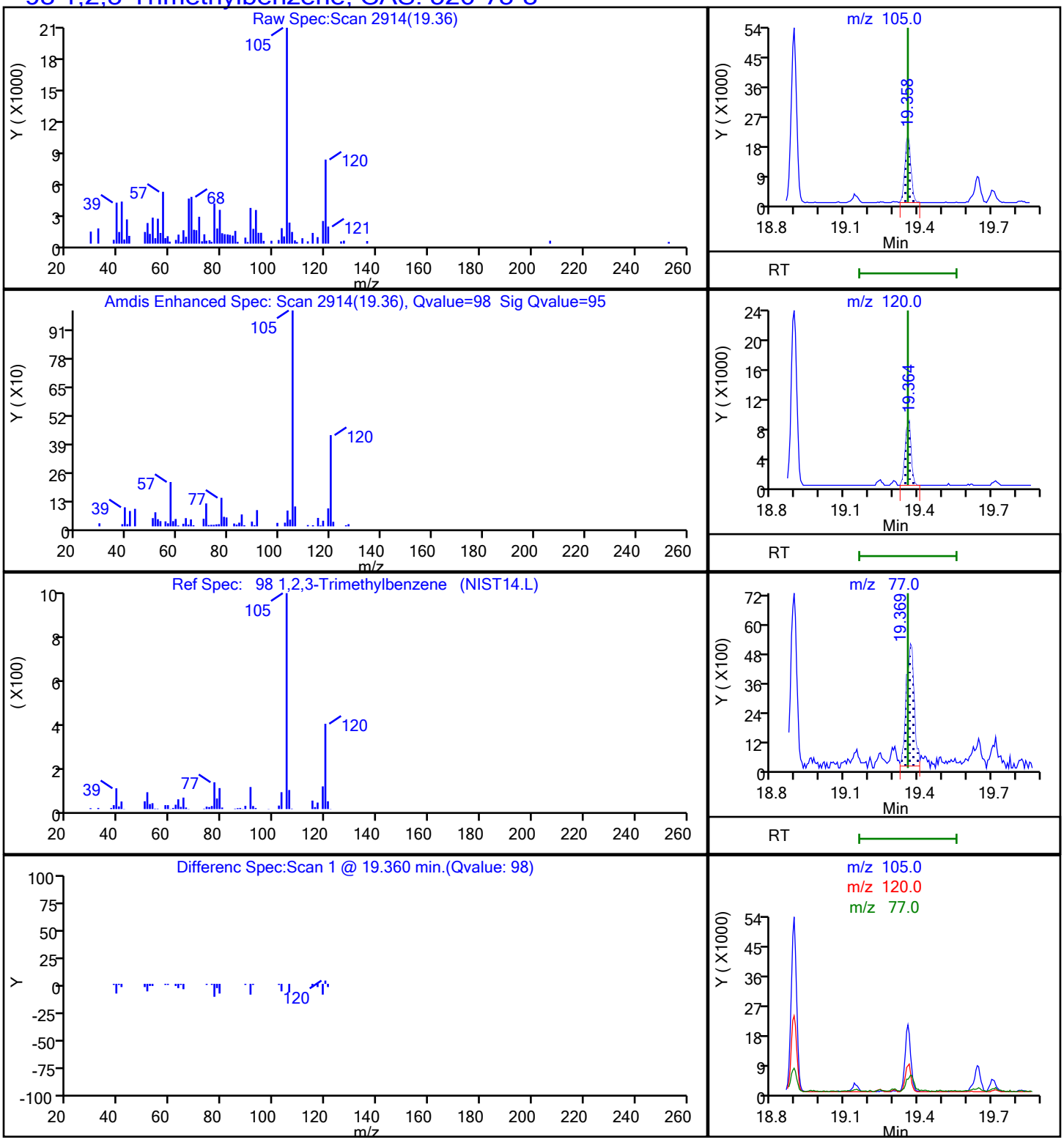
Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS		
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1		
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

98 1,2,3-Trimethylbenzene, CAS: 526-73-8



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D

Injection Date: 10-Feb-2021 03:11:30 Instrument ID: MS

Lims ID: 140-21885-A-1 Lab Sample ID: 140-21885-1

Client ID: GPEC-SV306

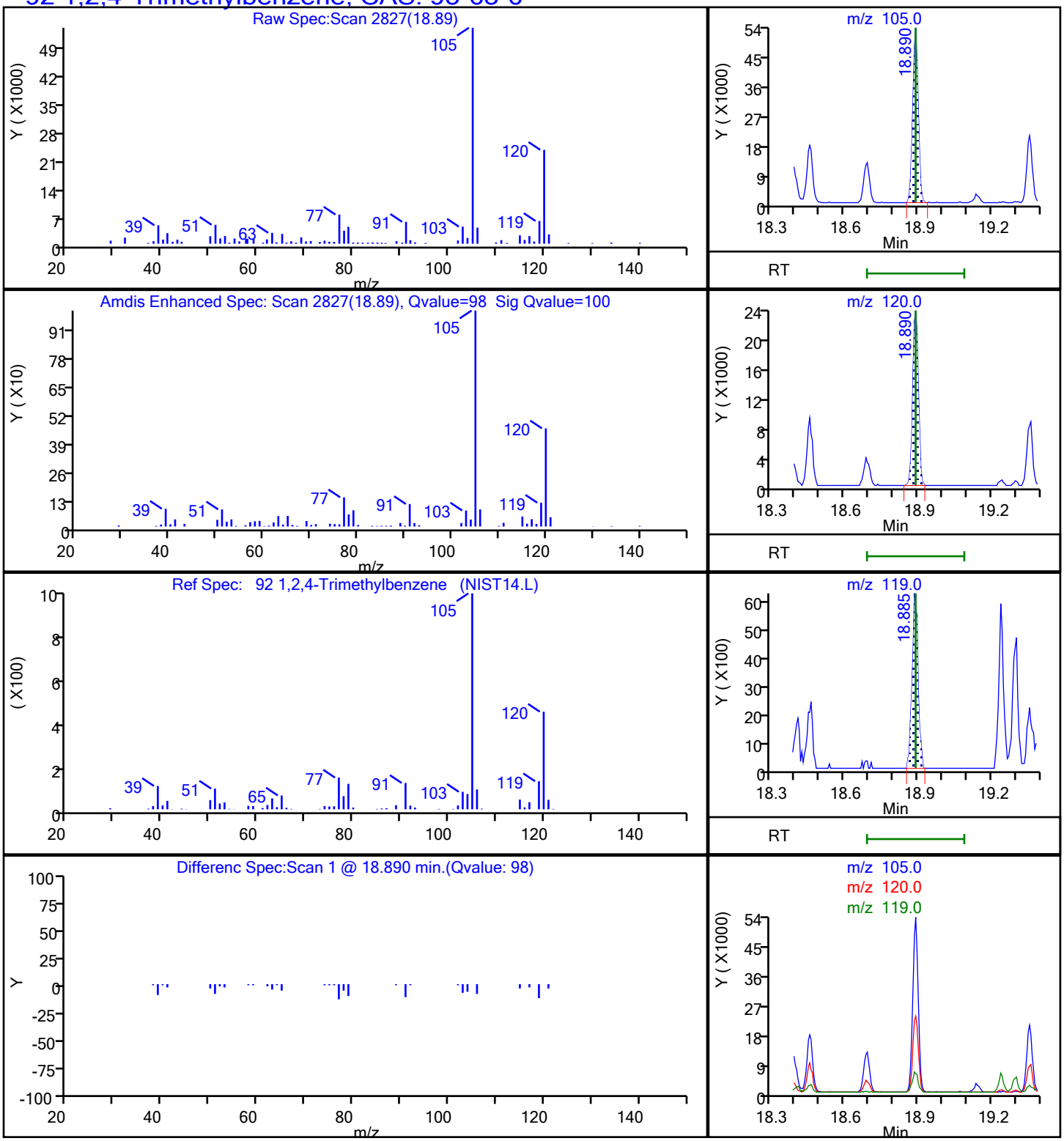
Operator ID: HMT ALS Bottle#: 11 Worklist Smp#: 16

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

92 1,2,4-Trimethylbenzene, CAS: 95-63-6



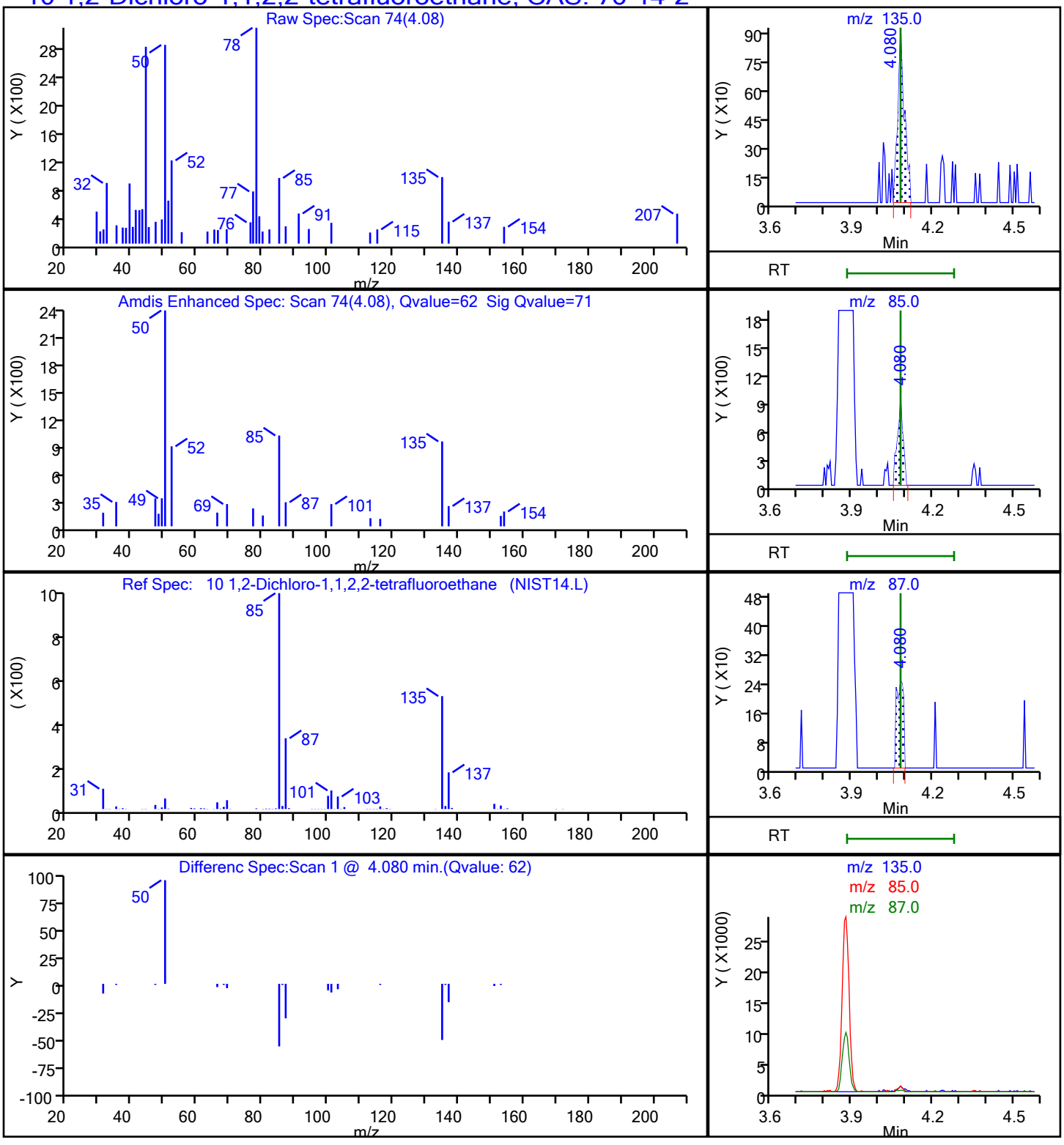
Report Date: 10-Feb-2021 17:11:00 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D

Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS		
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1		
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
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		

10 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2



Eurofins TestAmerica, Knoxville

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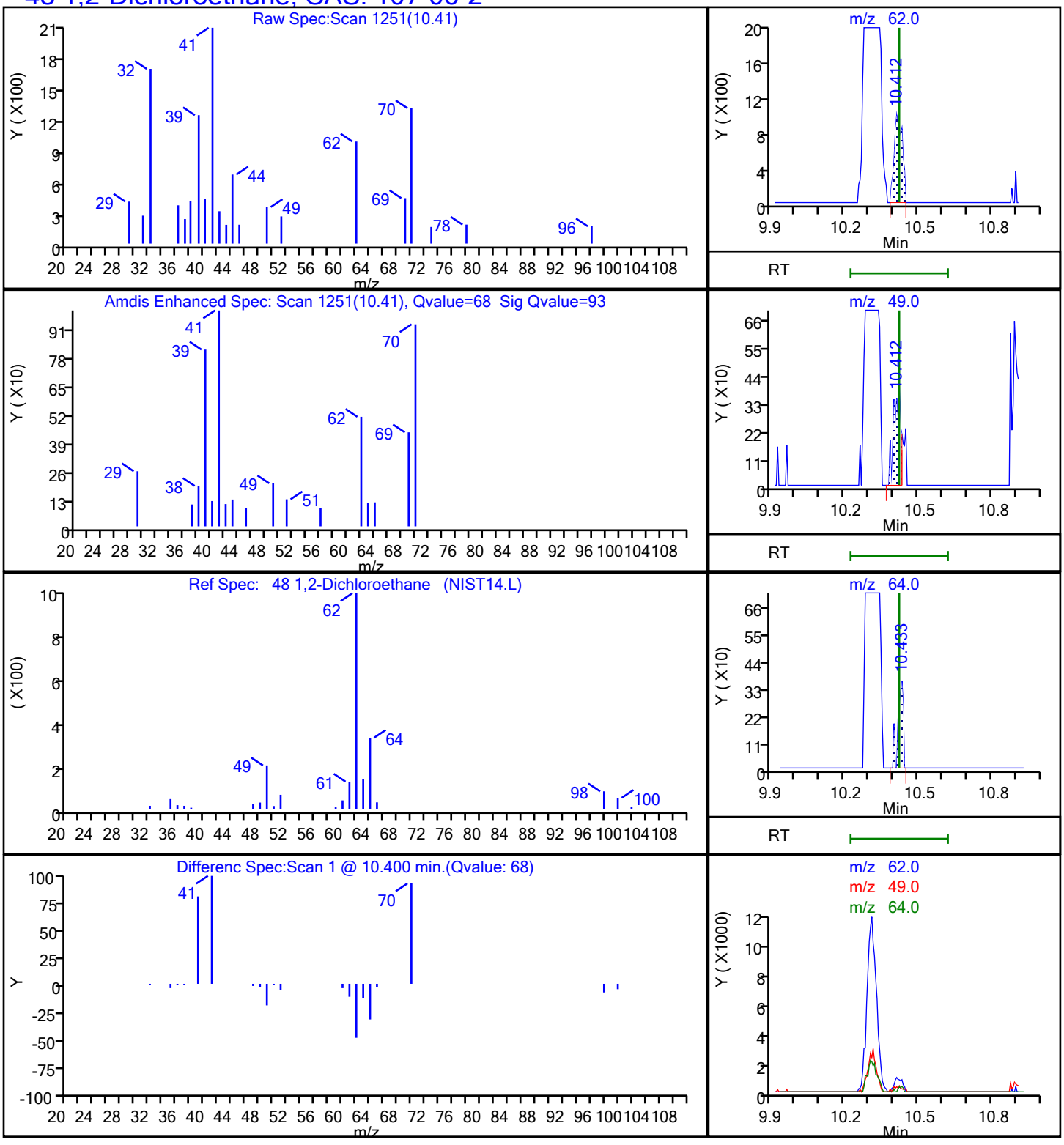
Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS		
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1		
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

48 1,2-Dichloroethane, CAS: 107-06-2



Eurofins TestAmerica, Knoxville

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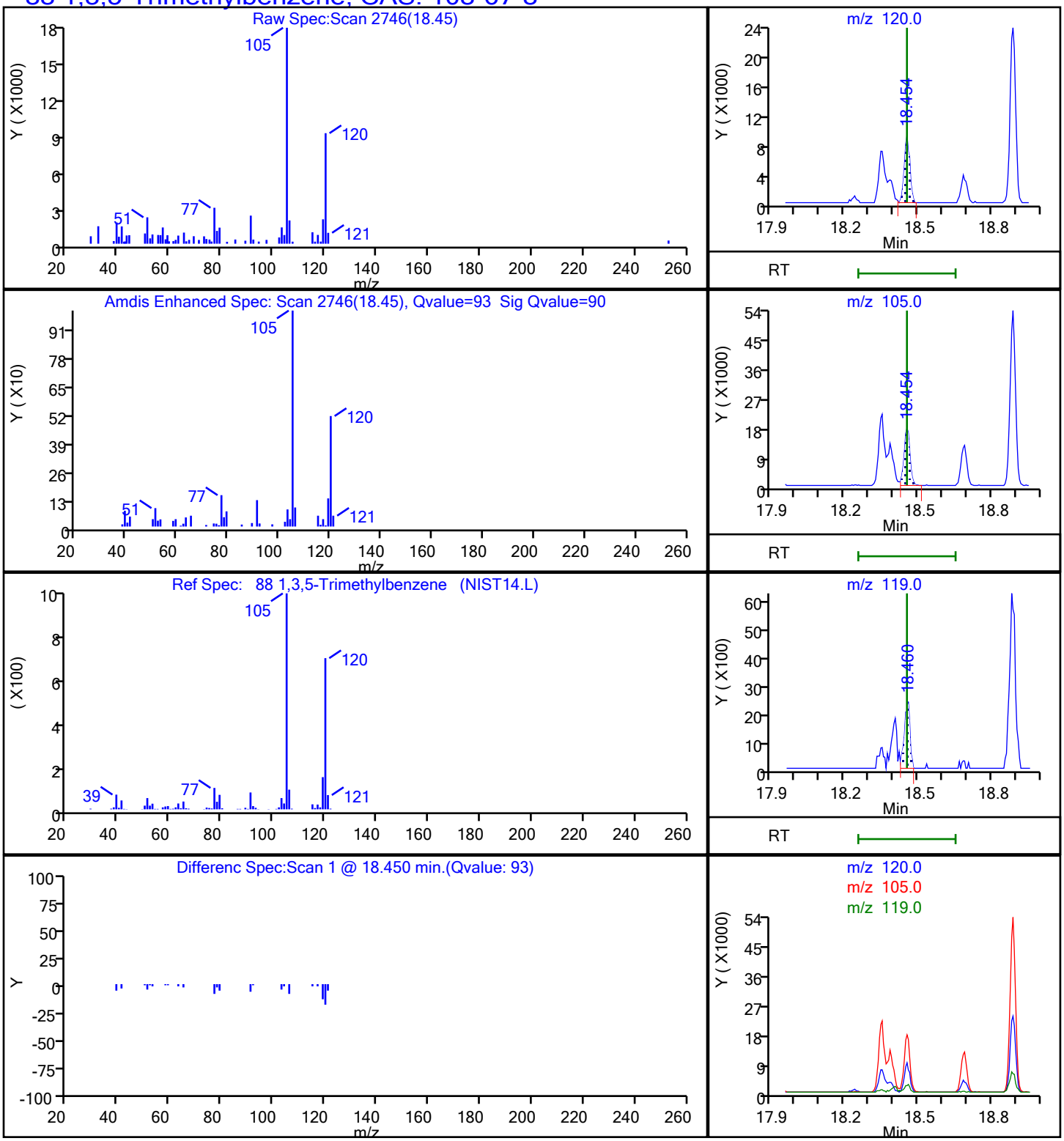
Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1
Client ID:	GPEC-SV306		
Operator ID:	HMT	ALS Bottle#:	11 Worklist Smp#: 16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

88 1,3,5-Trimethylbenzene, CAS: 108-67-8



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D

Injection Date: 10-Feb-2021 03:11:30 Instrument ID: MS

Lims ID: 140-21885-A-1 Lab Sample ID: 140-21885-1

Client ID: GPEC-SV306

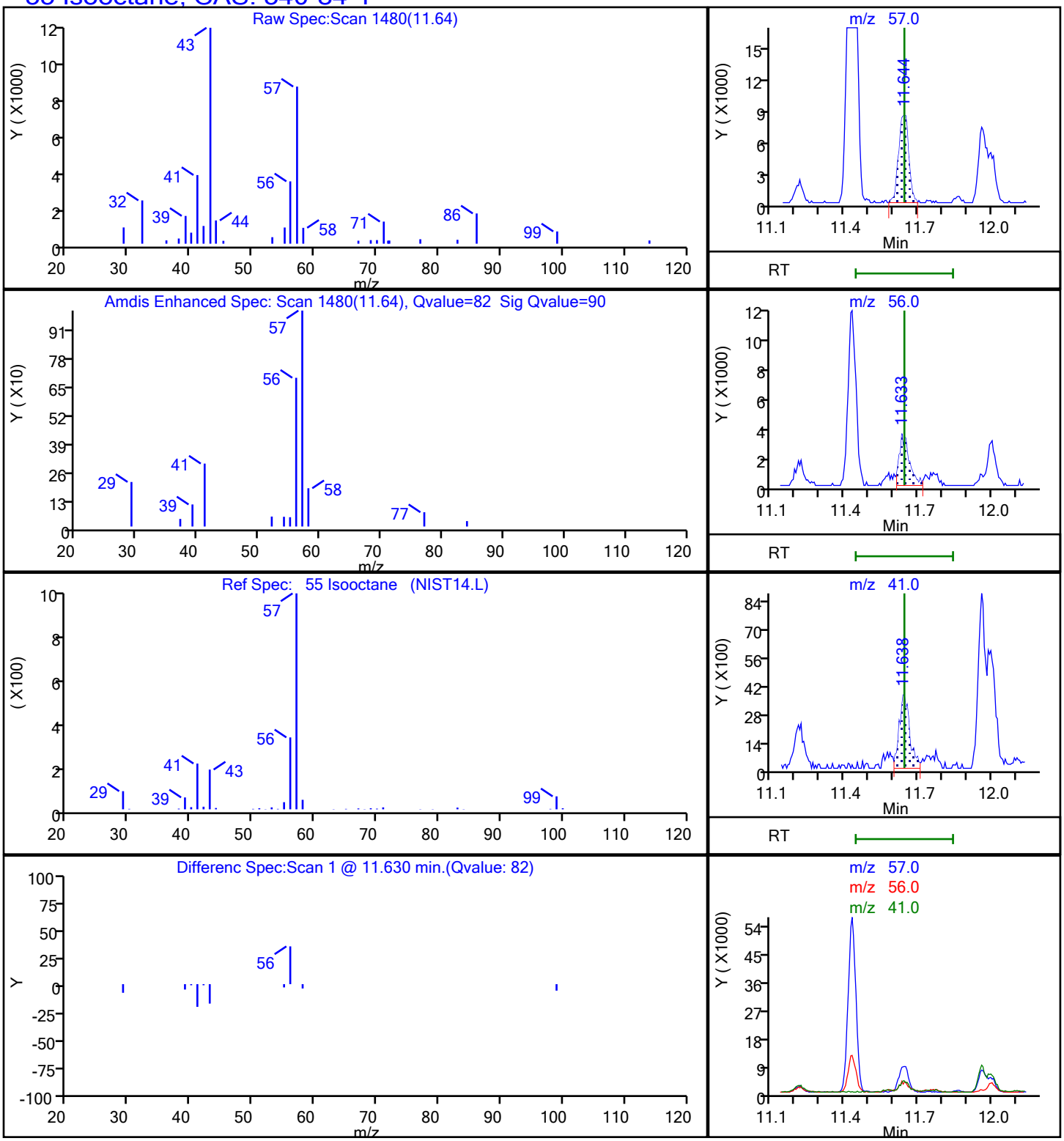
Operator ID: HMT ALS Bottle#: 11 Worklist Smp#: 16

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

55 Isooctane, CAS: 540-84-1

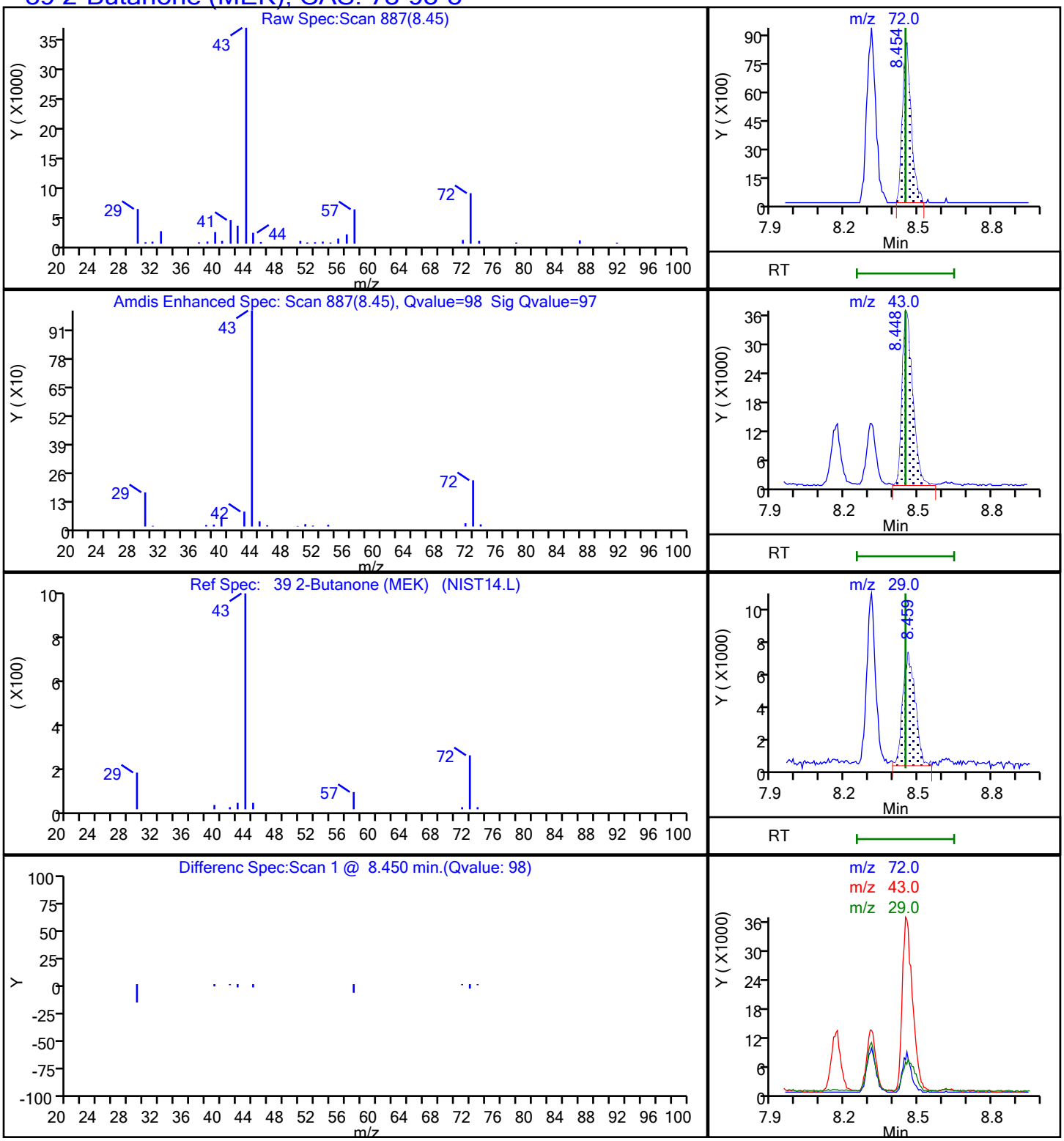


Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D

Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS		
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1		
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
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		

39 2-Butanone (MEK), CAS: 78-93-3



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D

Injection Date: 10-Feb-2021 03:11:30 Instrument ID: MS

Lims ID: 140-21885-A-1 Lab Sample ID: 140-21885-1

Client ID: GPEC-SV306

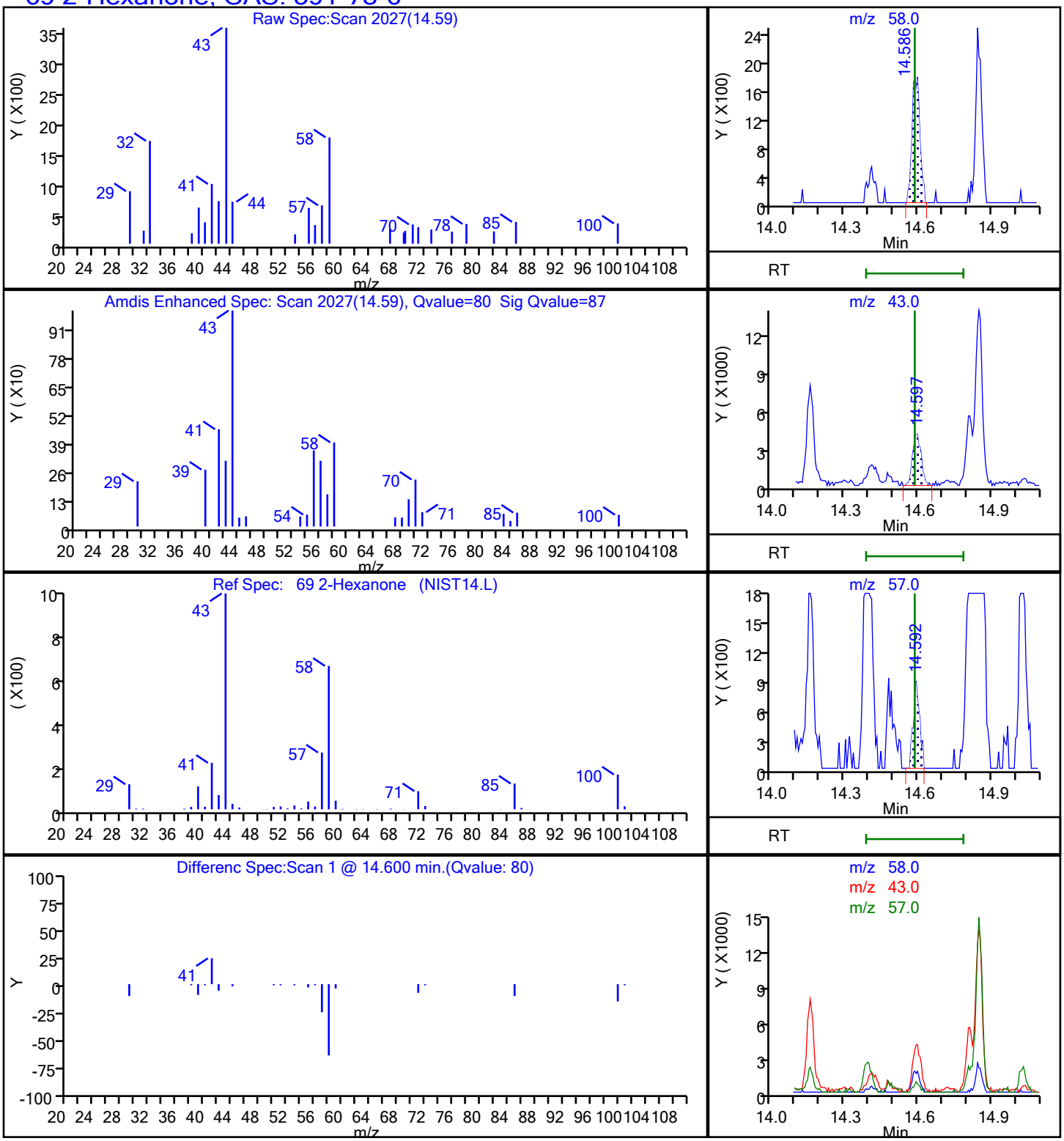
Operator ID: HMT ALS Bottle#: 11 Worklist Smp#: 16

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

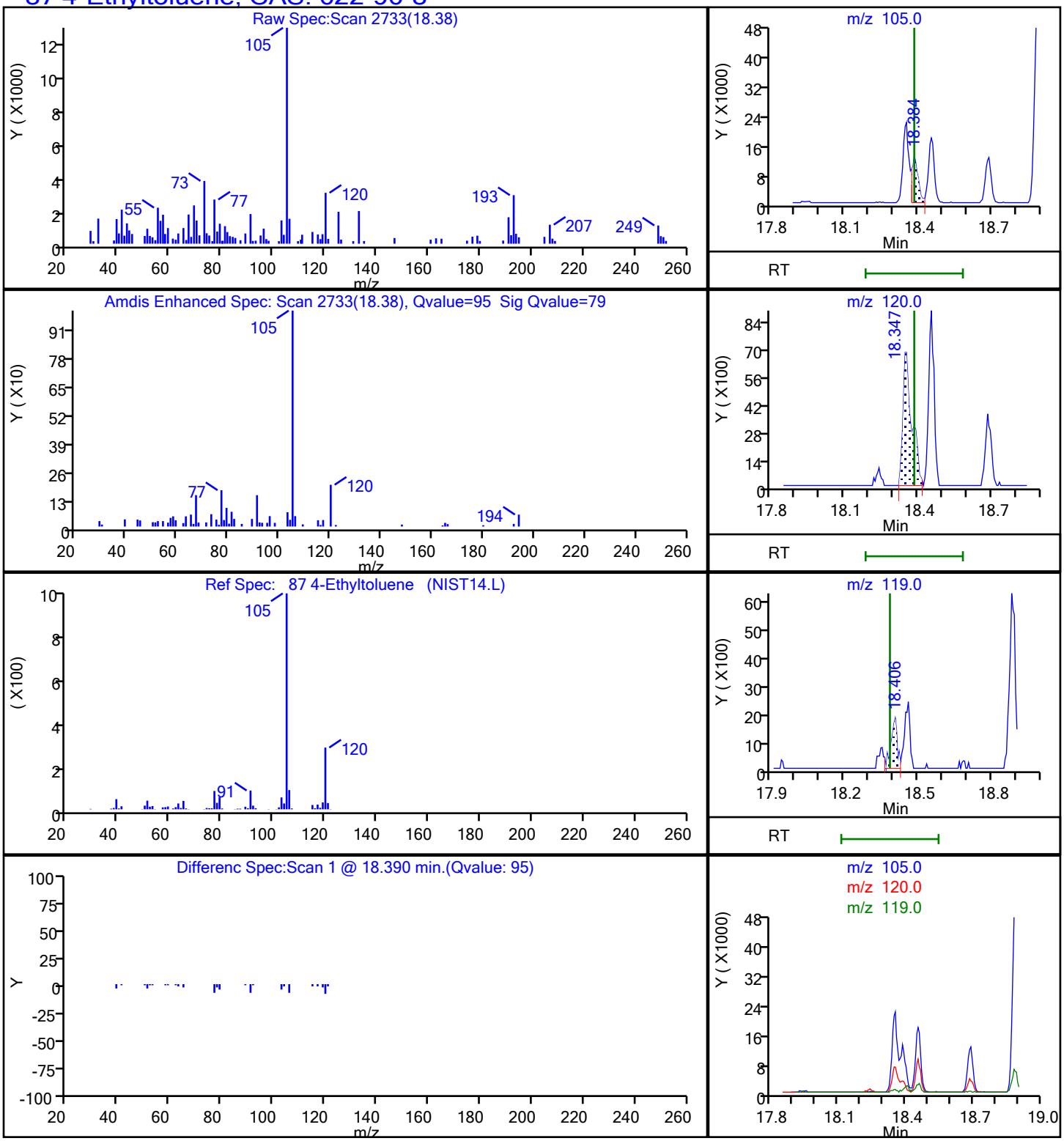
69 2-Hexanone, CAS: 591-78-6



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D		
Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1
Client ID:	GPEC-SV306		
Operator ID:	HMT	ALS Bottle#:	11 Worklist Smp#: 16
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

87 4-Ethyltoluene, CAS: 622-96-8



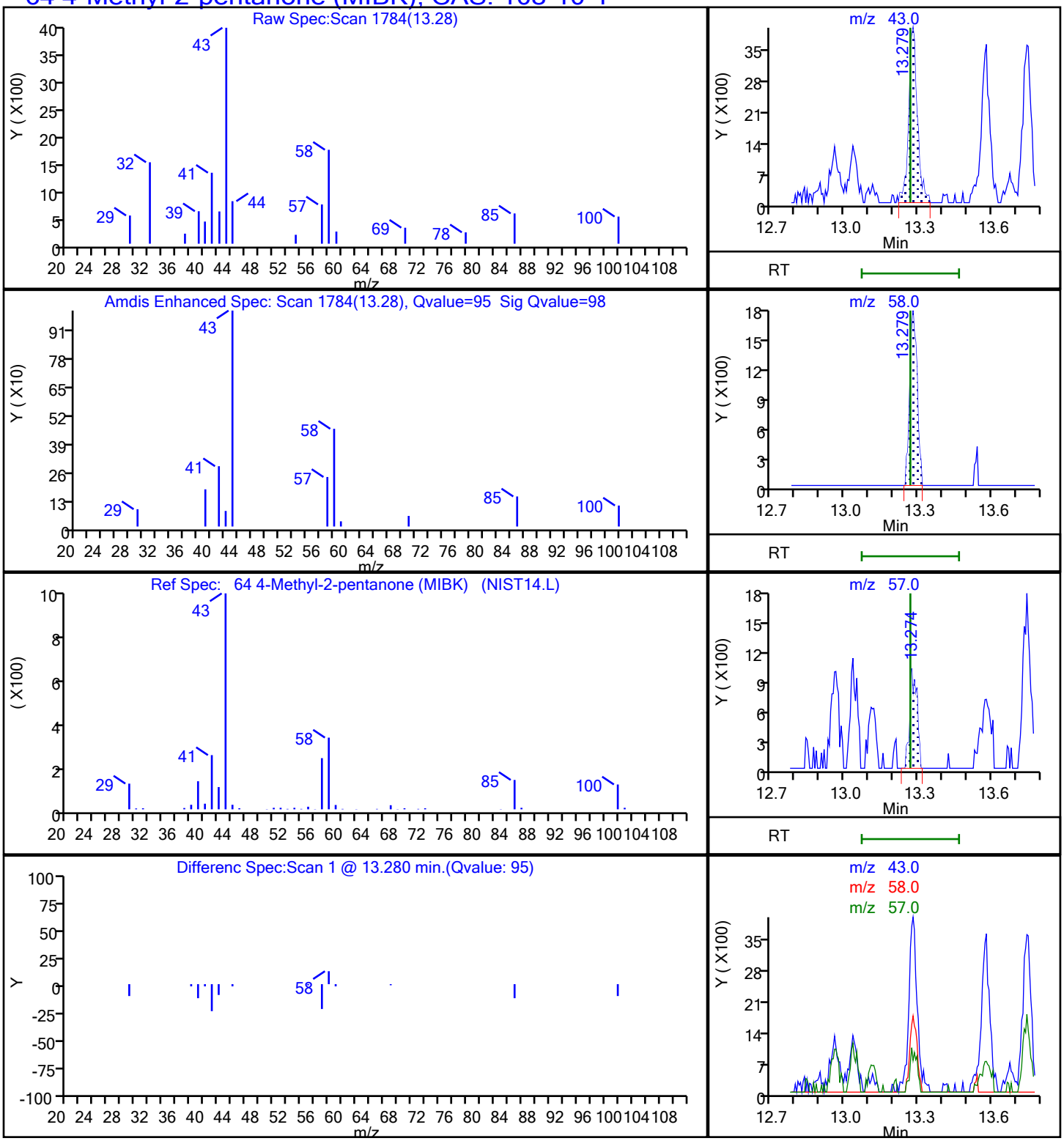
Report Date: 10-Feb-2021 17:11:01 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D

Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS		
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1		
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
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		

64 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

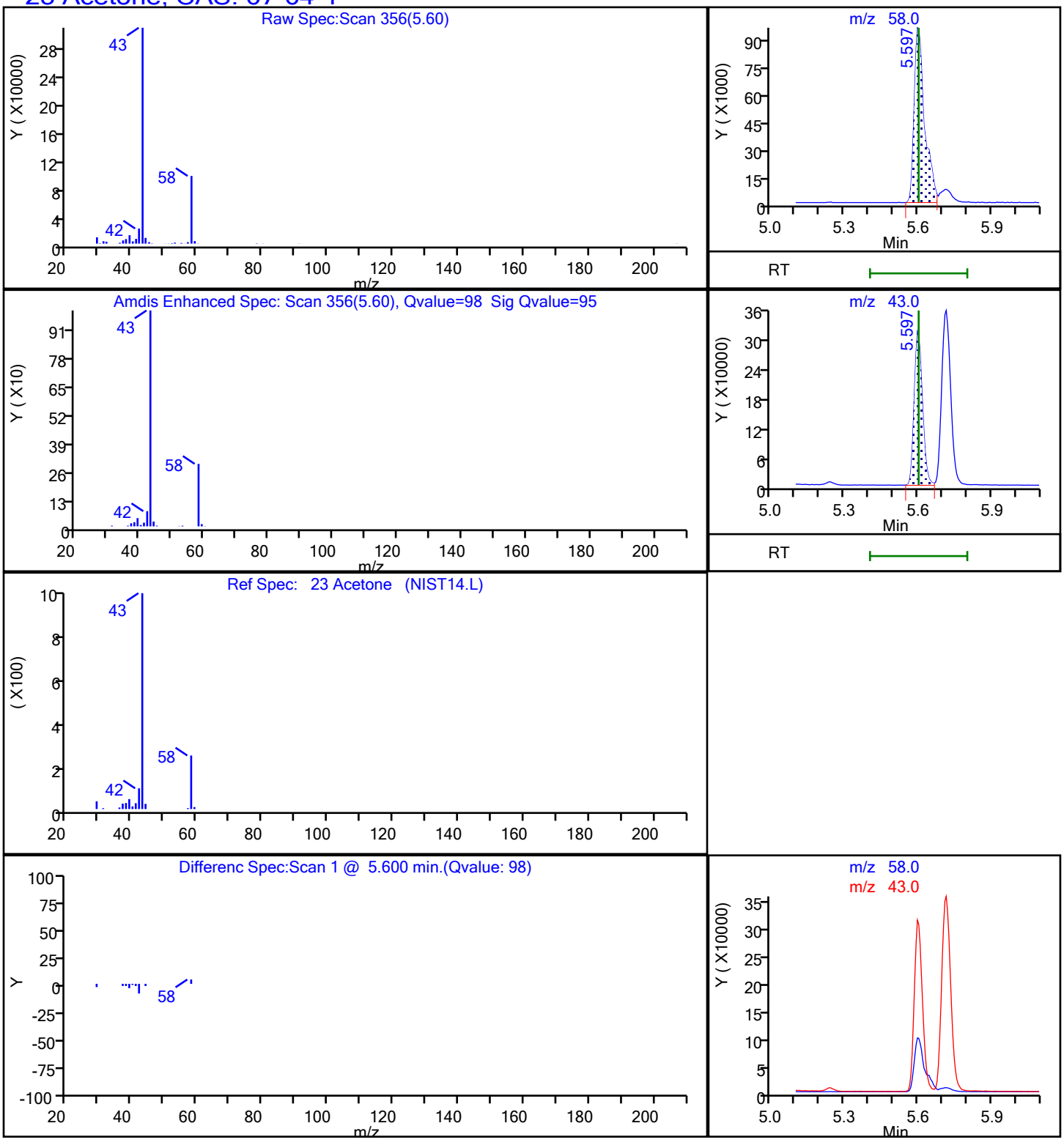


Report Date: 10-Feb-2021 17:11:00 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D				
Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS		
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1		
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
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		

23 Acetone, CAS: 67-64-1



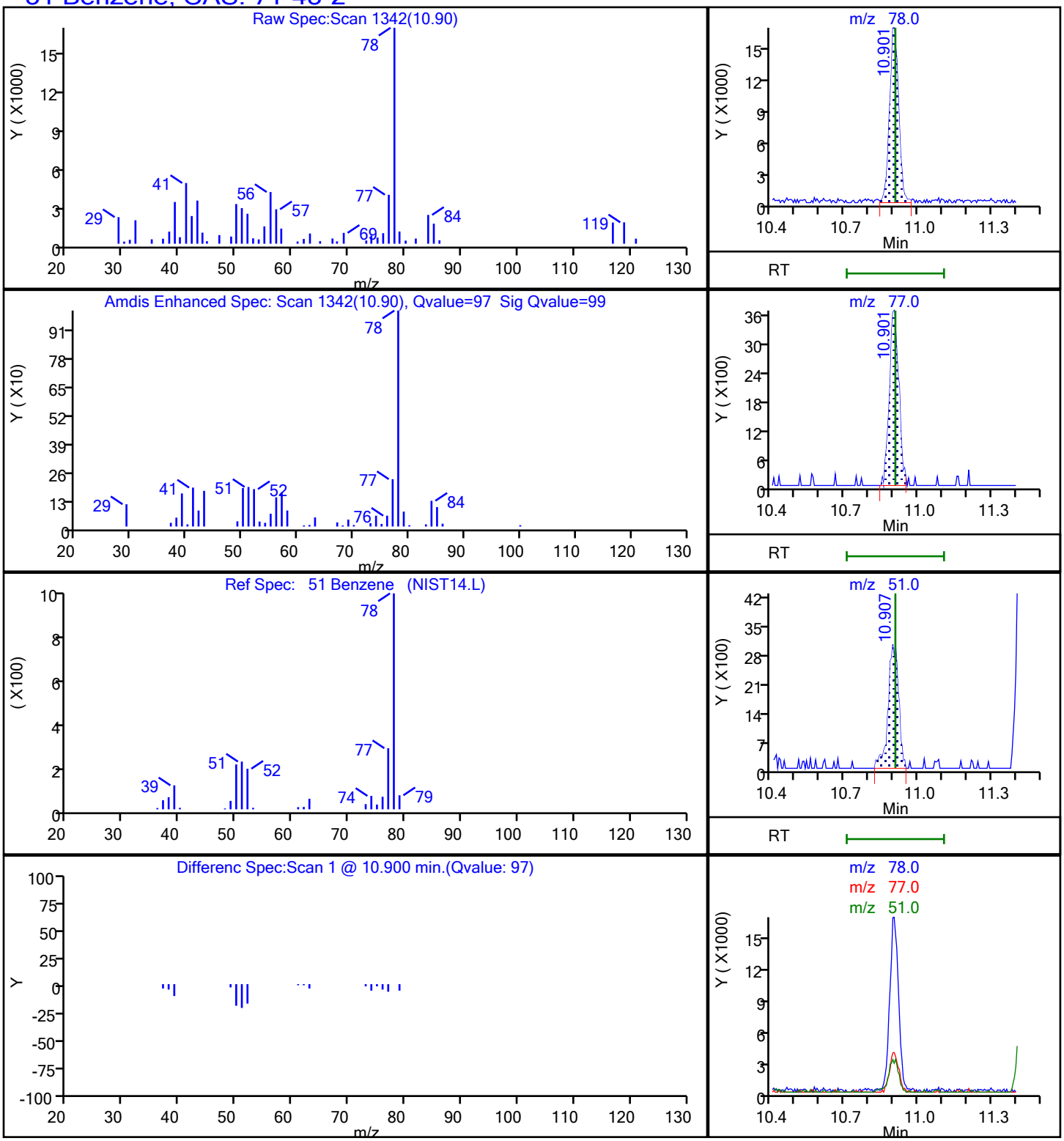
Report Date: 10-Feb-2021 17:11:01 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D

Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS		
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1		
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
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		

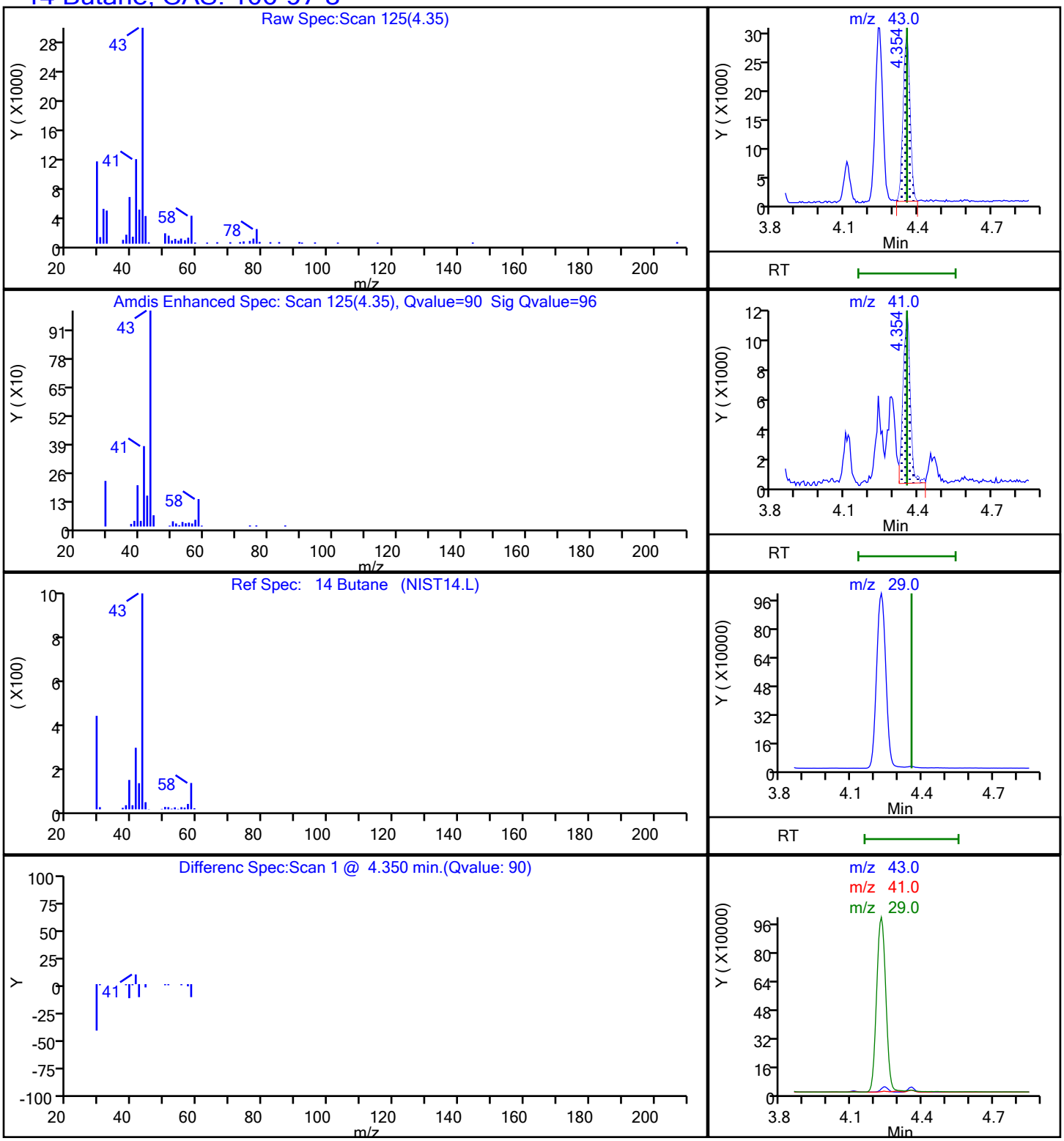
51 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D		
Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1
Client ID:	GPEC-SV306		
Operator ID:	HMT	ALS Bottle#:	11 Worklist Smp#: 16
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

14 Butane, CAS: 106-97-8

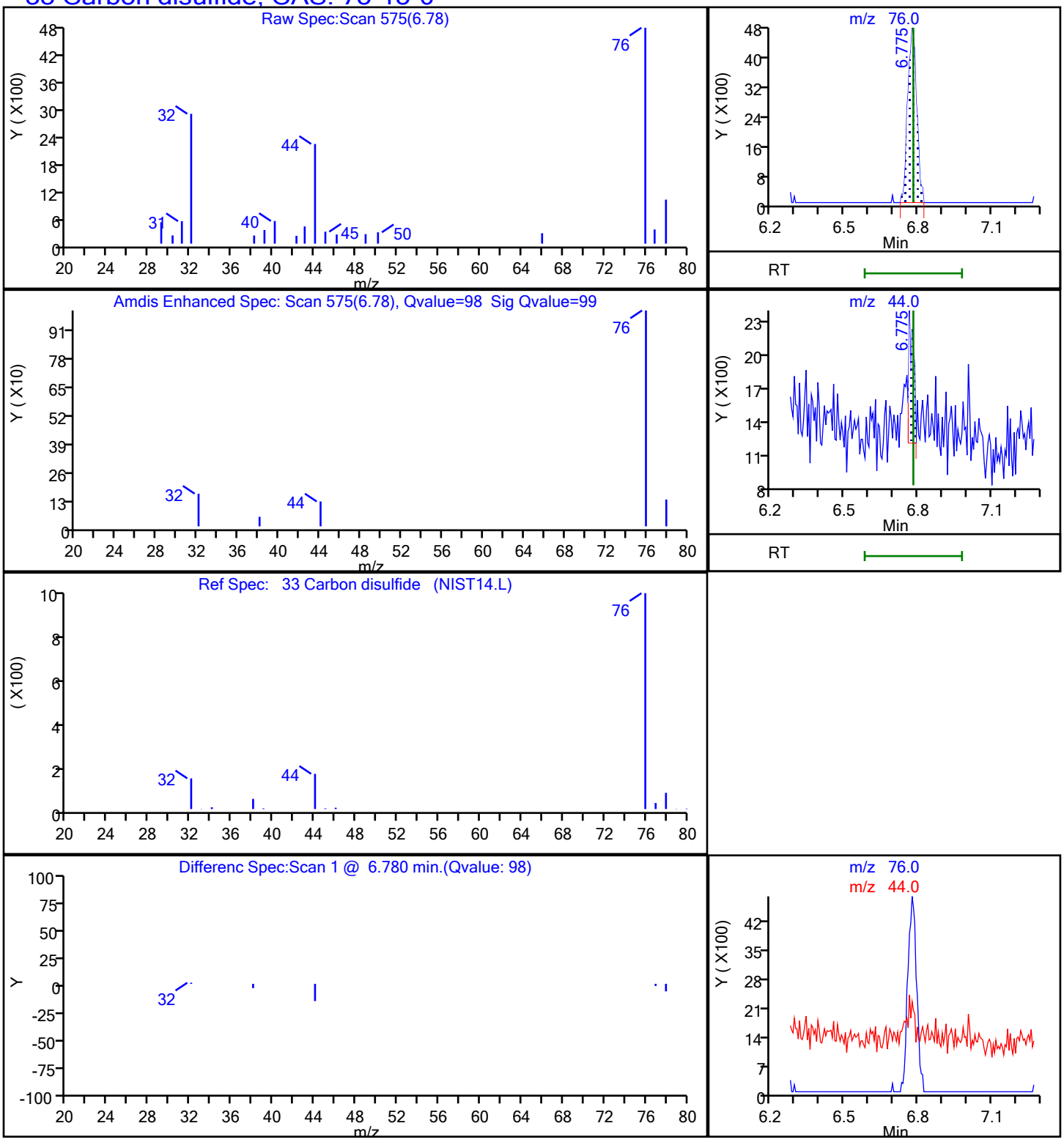


Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D

Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1
Client ID:	GPEC-SV306		
Operator ID:	HMT	ALS Bottle#:	11 Worklist Smp#: 16
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

33 Carbon disulfide, CAS: 75-15-0



Report Date: 10-Feb-2021 17:11:01 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

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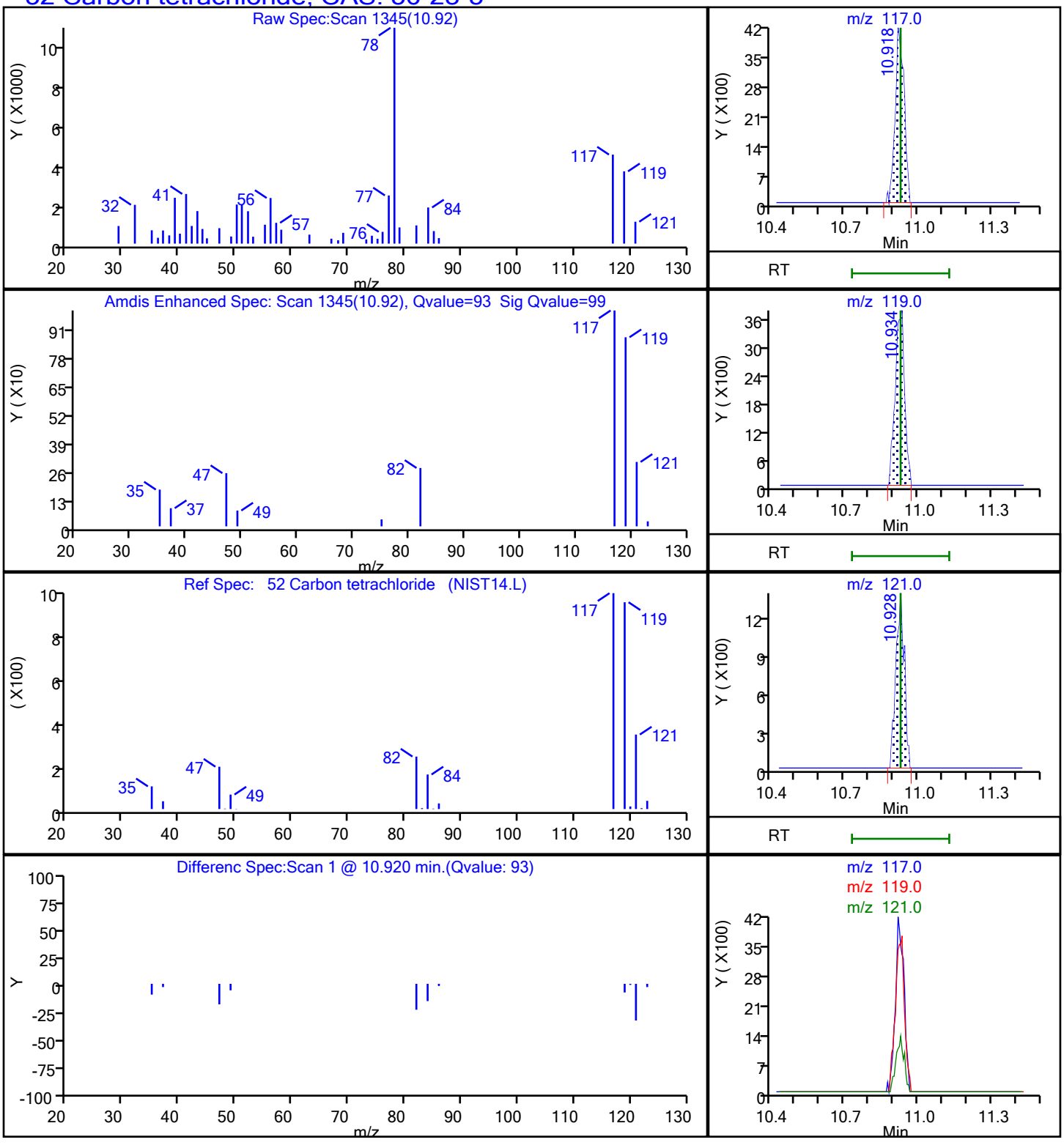
Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS		
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1		
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

52 Carbon tetrachloride, CAS: 56-23-5



Eurofins TestAmerica, Knoxville

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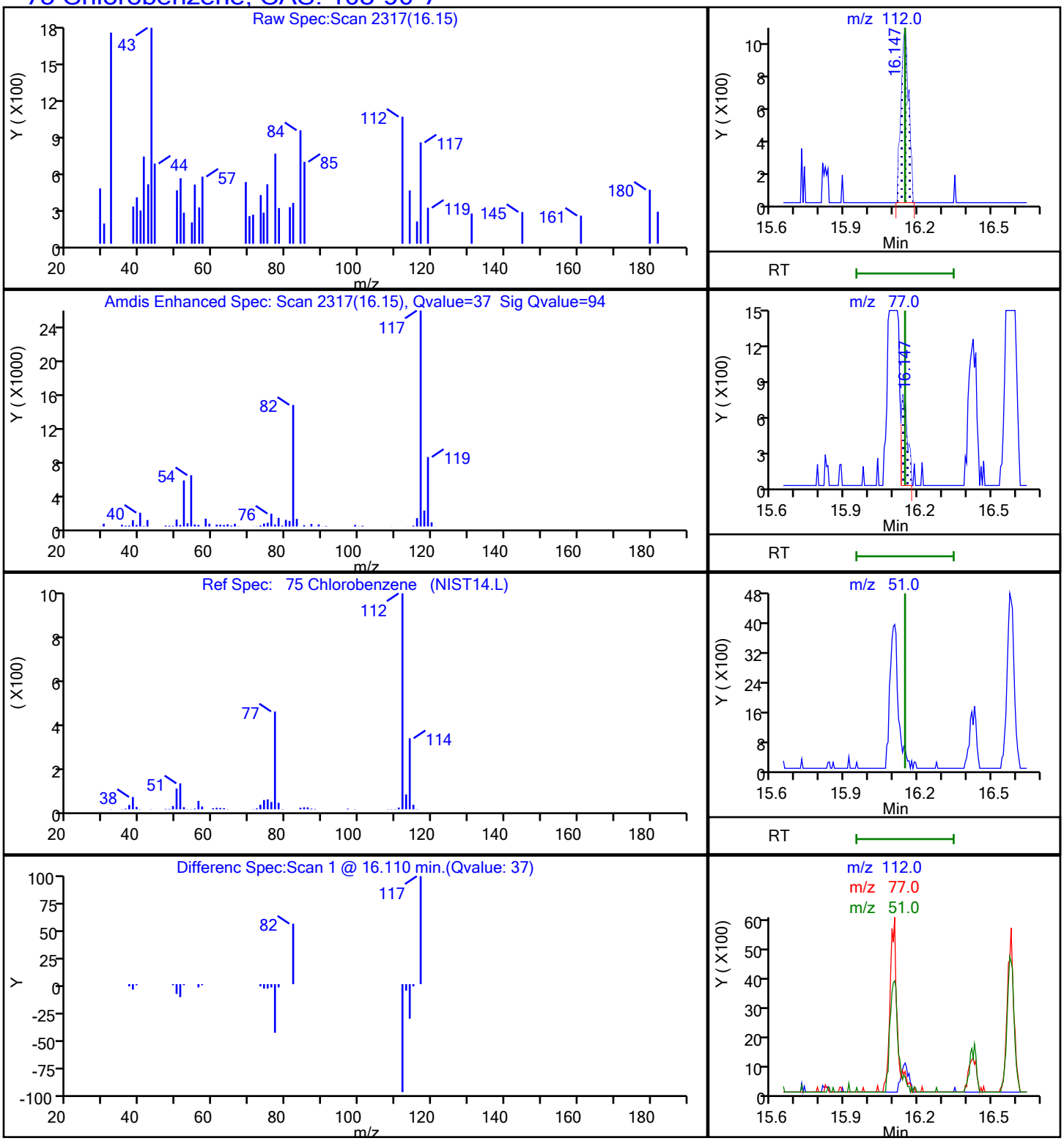
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

75 Chlorobenzene, CAS: 108-90-7



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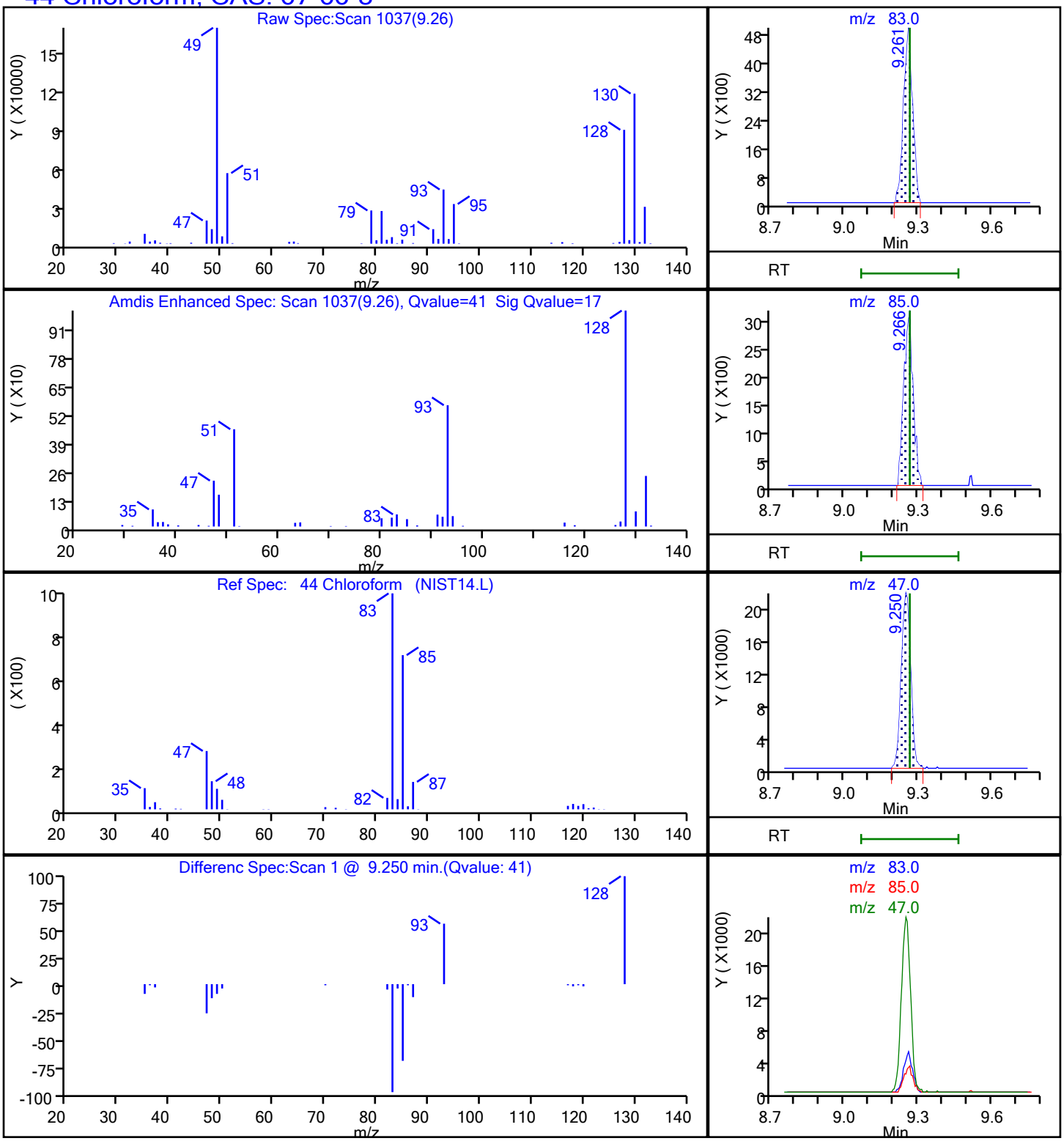
Client ID:	GPEC-SV306		
Operator ID:	HMT	ALS Bottle#:	11 Worklist Smp#: 16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

44 Chloroform, CAS: 67-66-3



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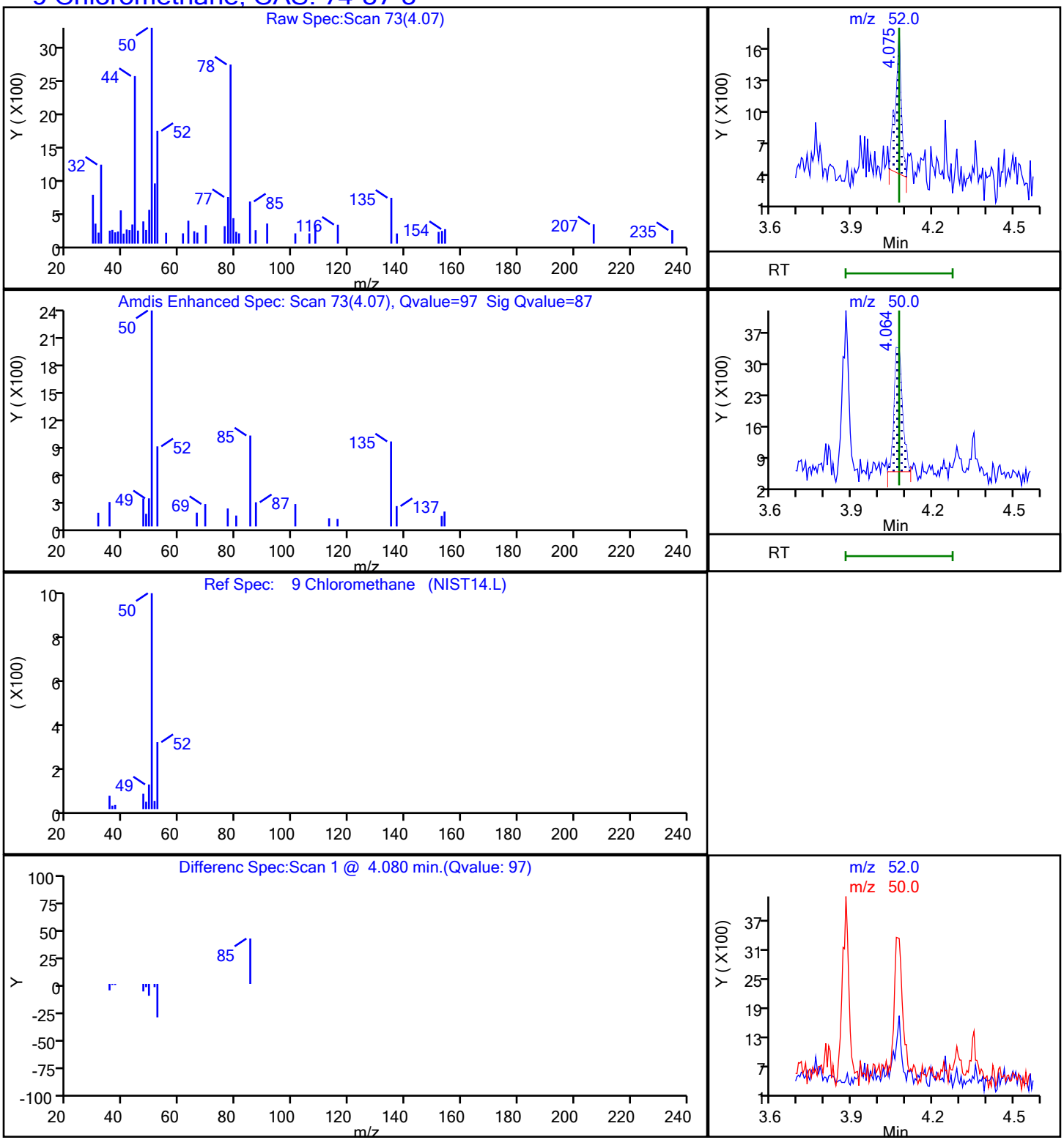
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1
Client ID:	GPEC-SV306		
Operator ID:	HMT	ALS Bottle#:	11 Worklist Smp#: 16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

9 Chloromethane, CAS: 74-87-3



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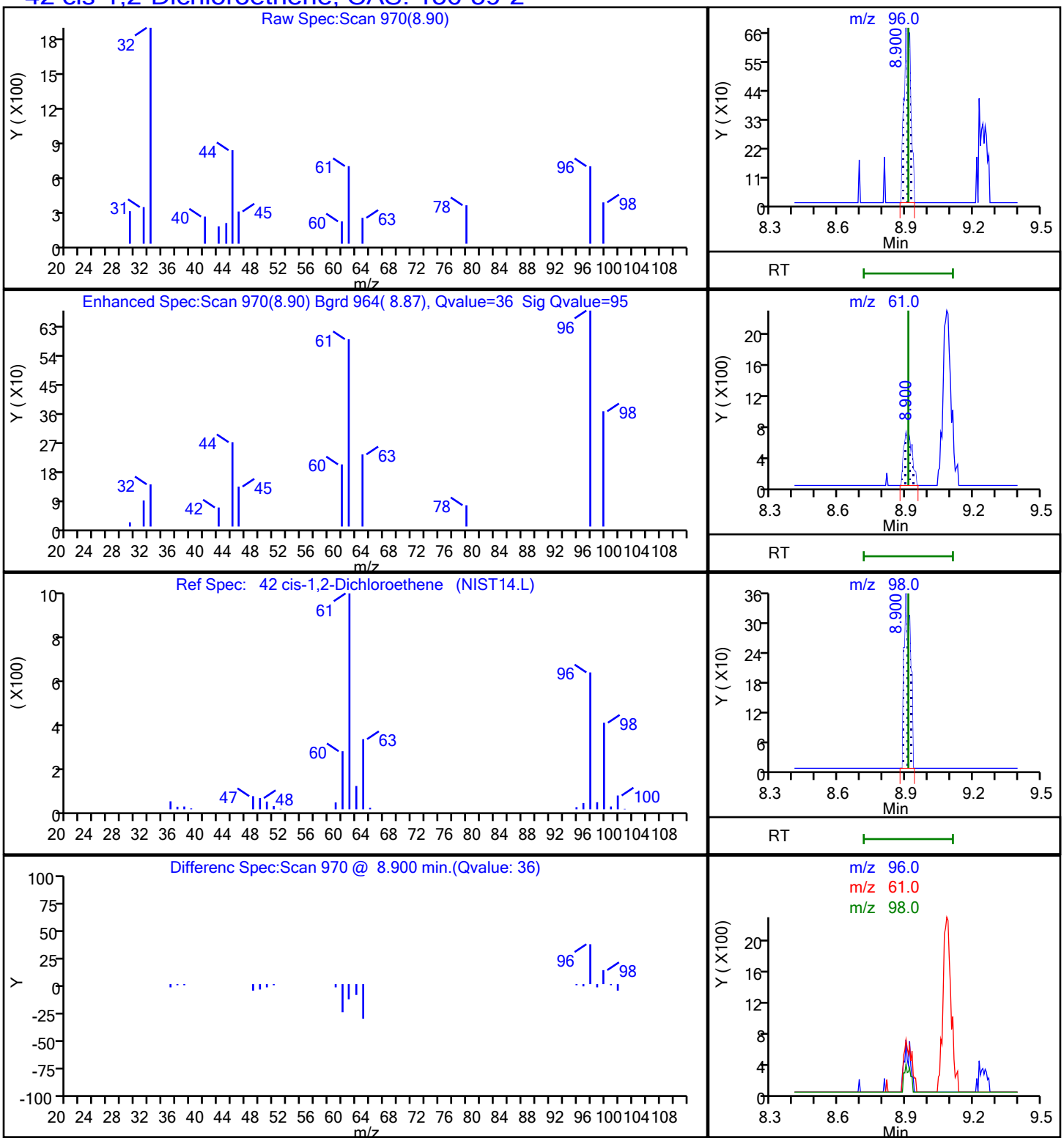
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

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



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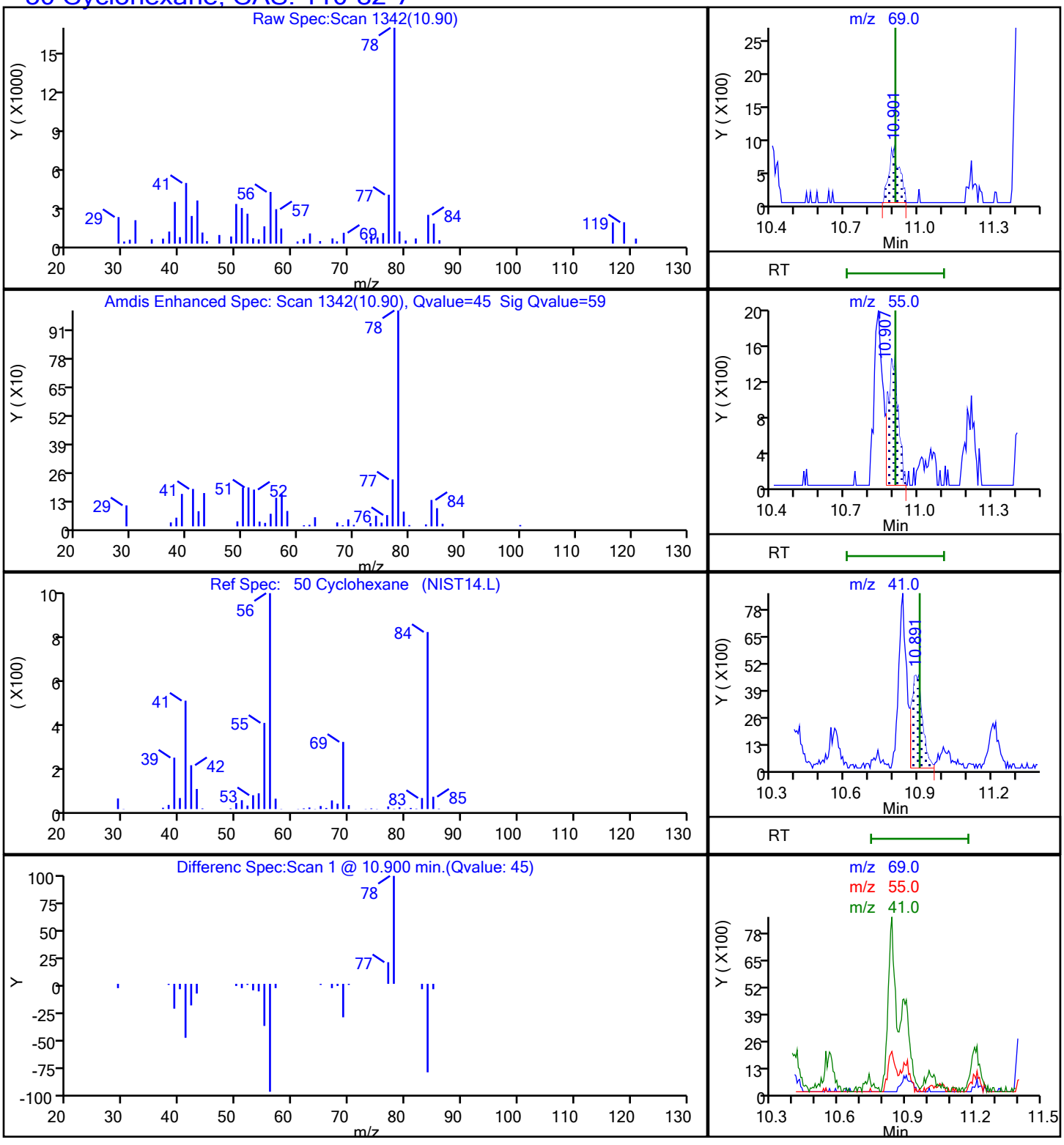
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

50 Cyclohexane, CAS: 110-82-7



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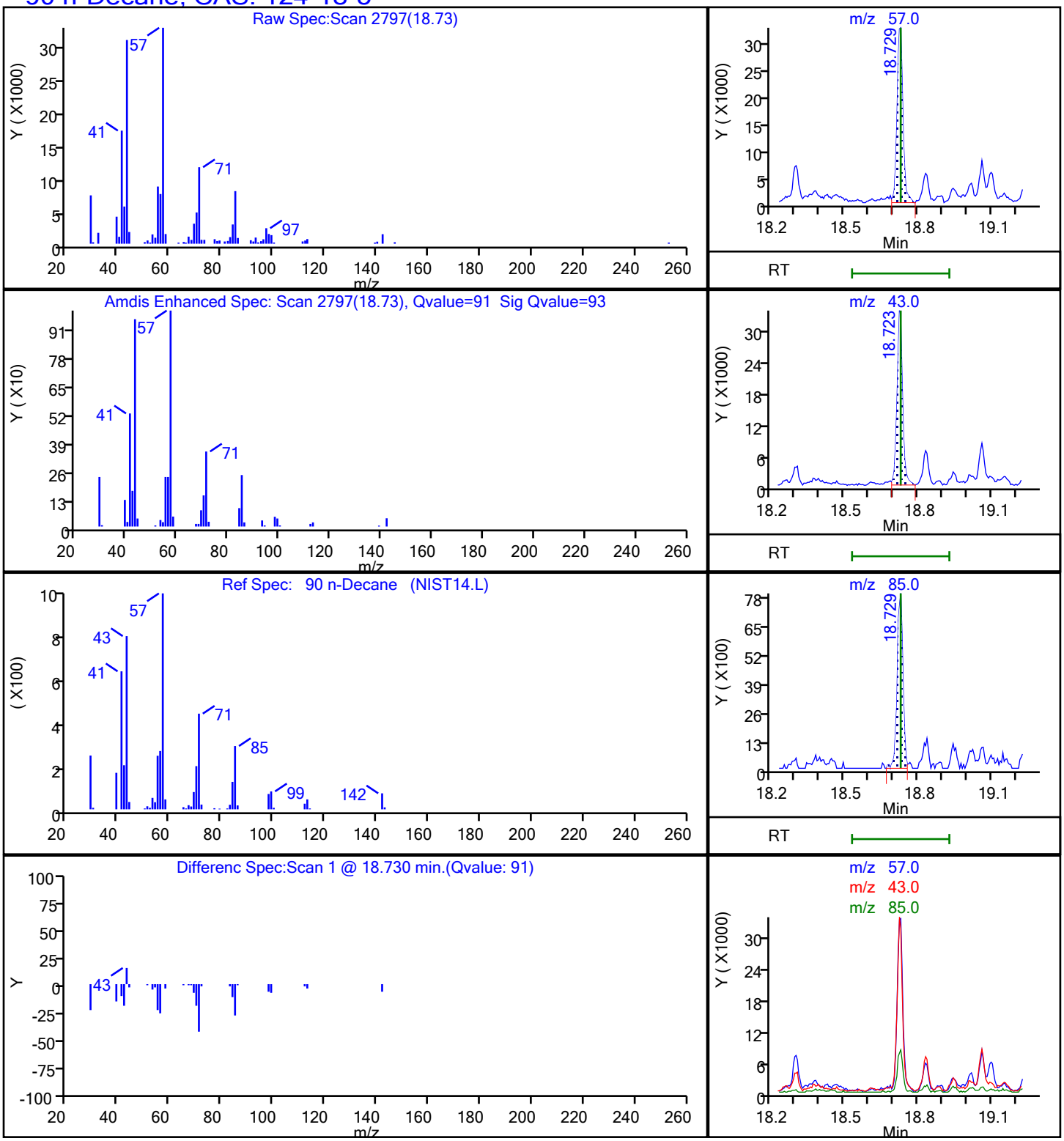
Client ID:	GPEC-SV306		
Operator ID:	HMT	ALS Bottle#:	11 Worklist Smp#: 16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

90 n-Decane, CAS: 124-18-5



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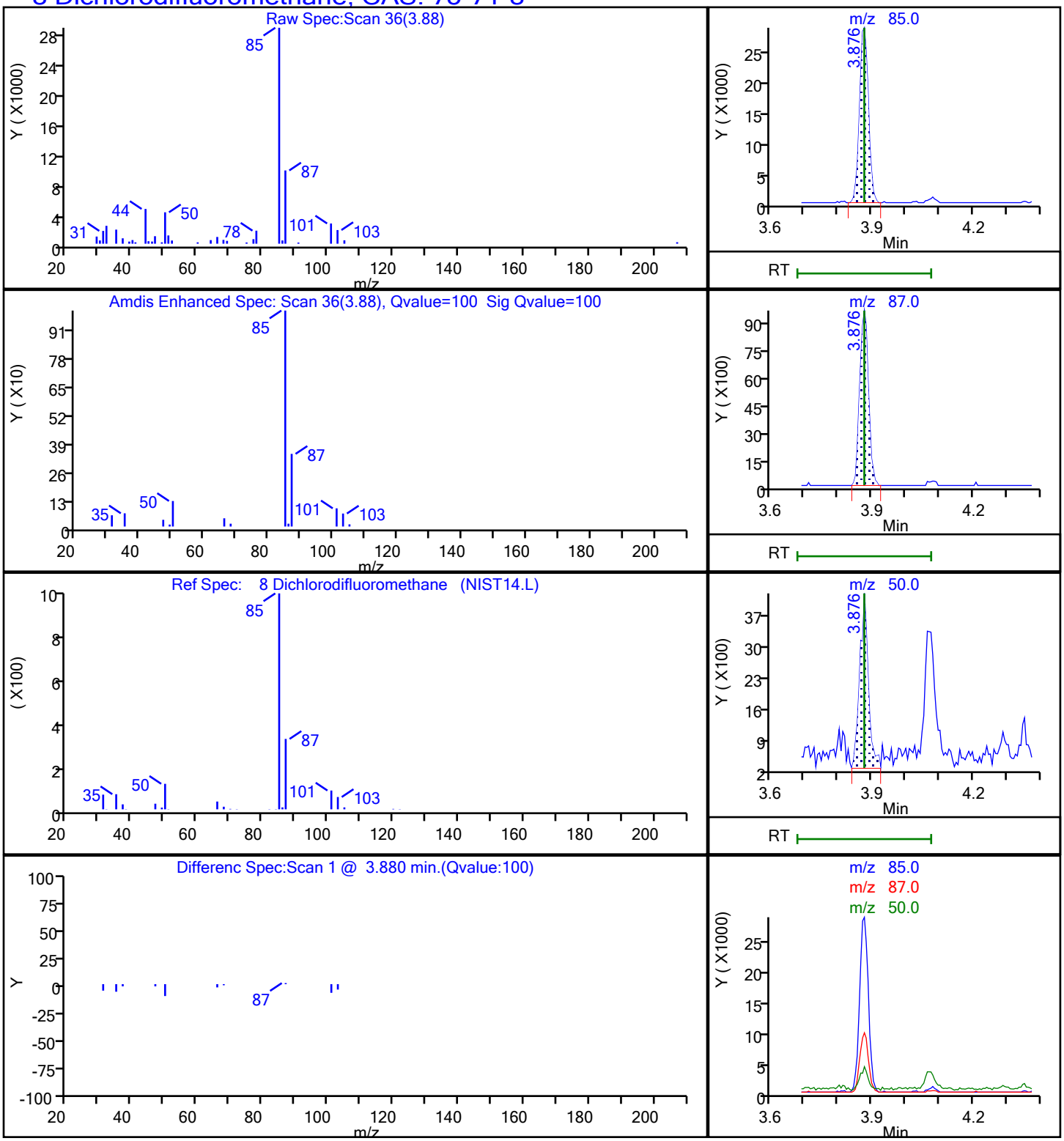
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

8 Dichlorodifluoromethane, CAS: 75-71-8



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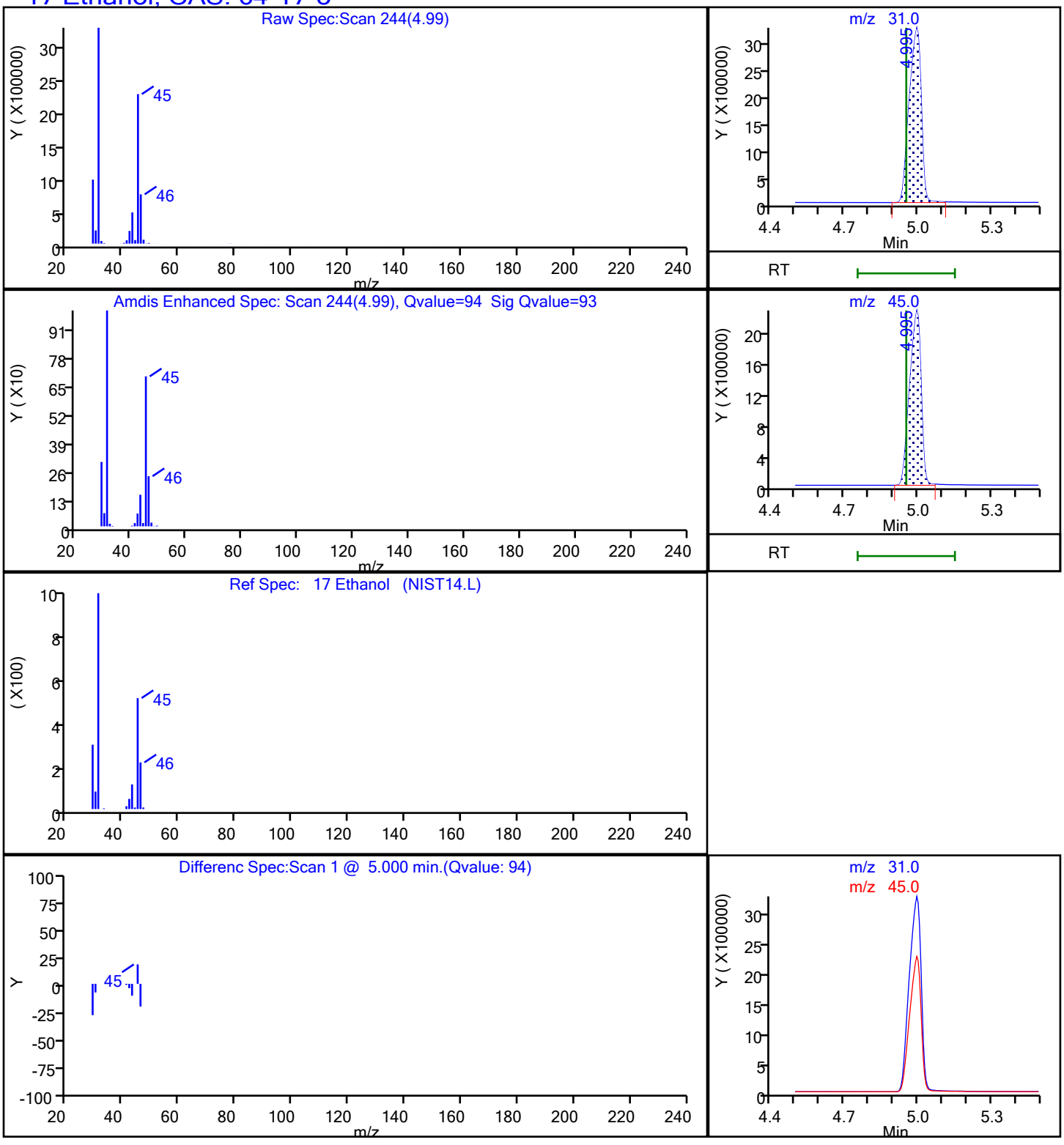
Client ID:	GPEC-SV306		
Operator ID:	HMT	ALS Bottle#:	11 Worklist Smp#: 16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

17 Ethanol, CAS: 64-17-5



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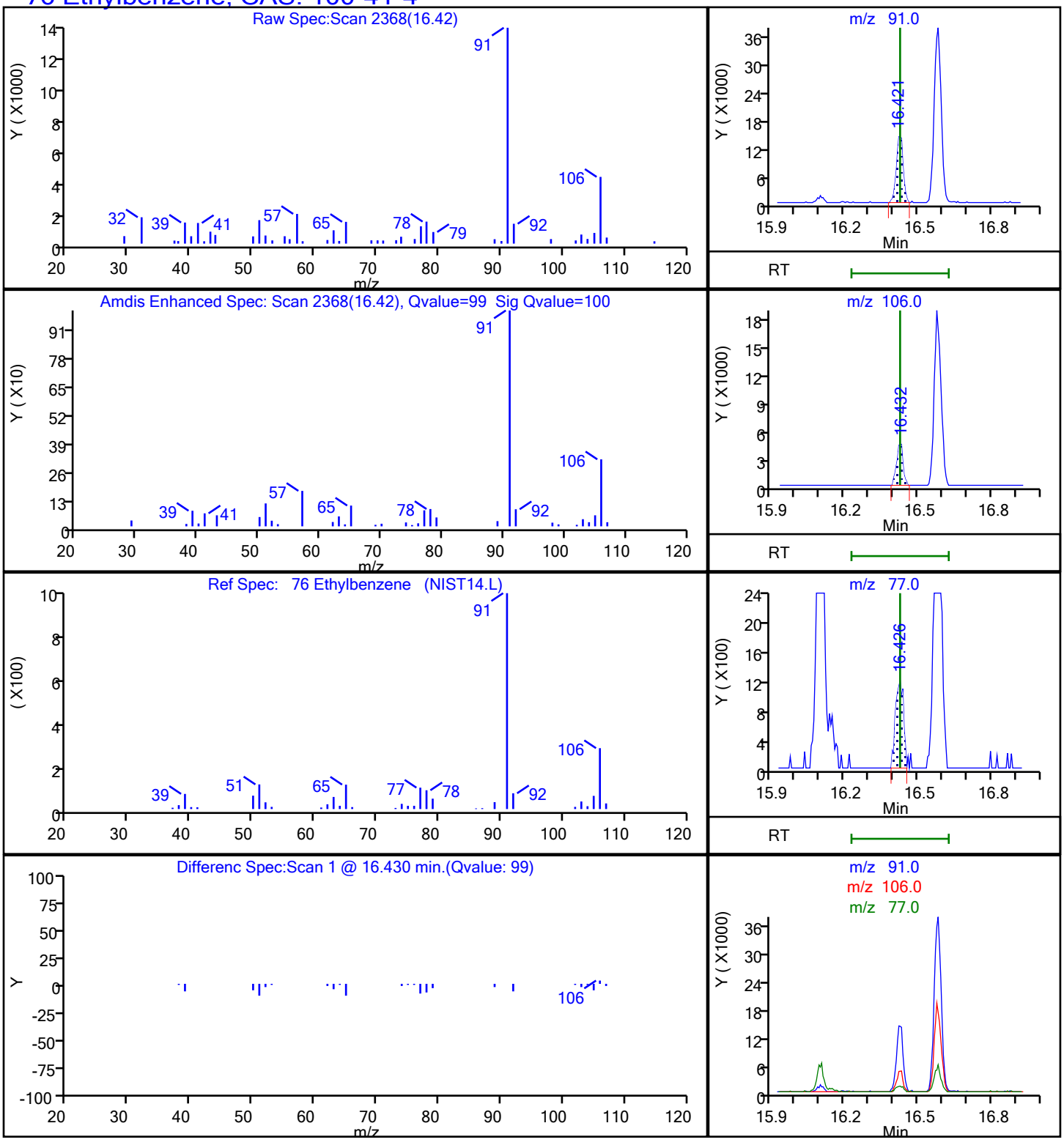
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

76 Ethylbenzene, CAS: 100-41-4



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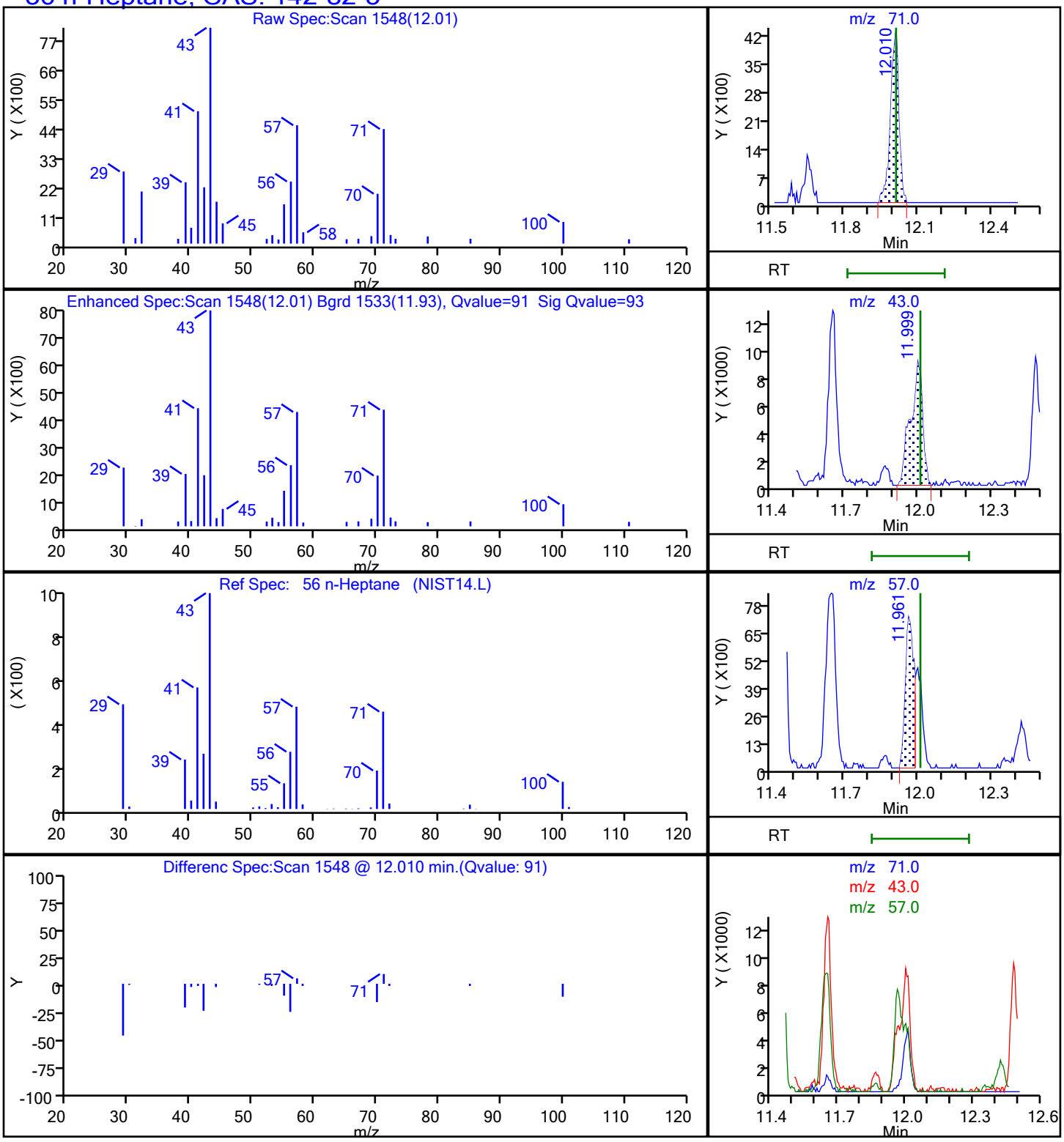
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

56 n-Heptane, CAS: 142-82-5



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Client ID:	GPEC-SV306				
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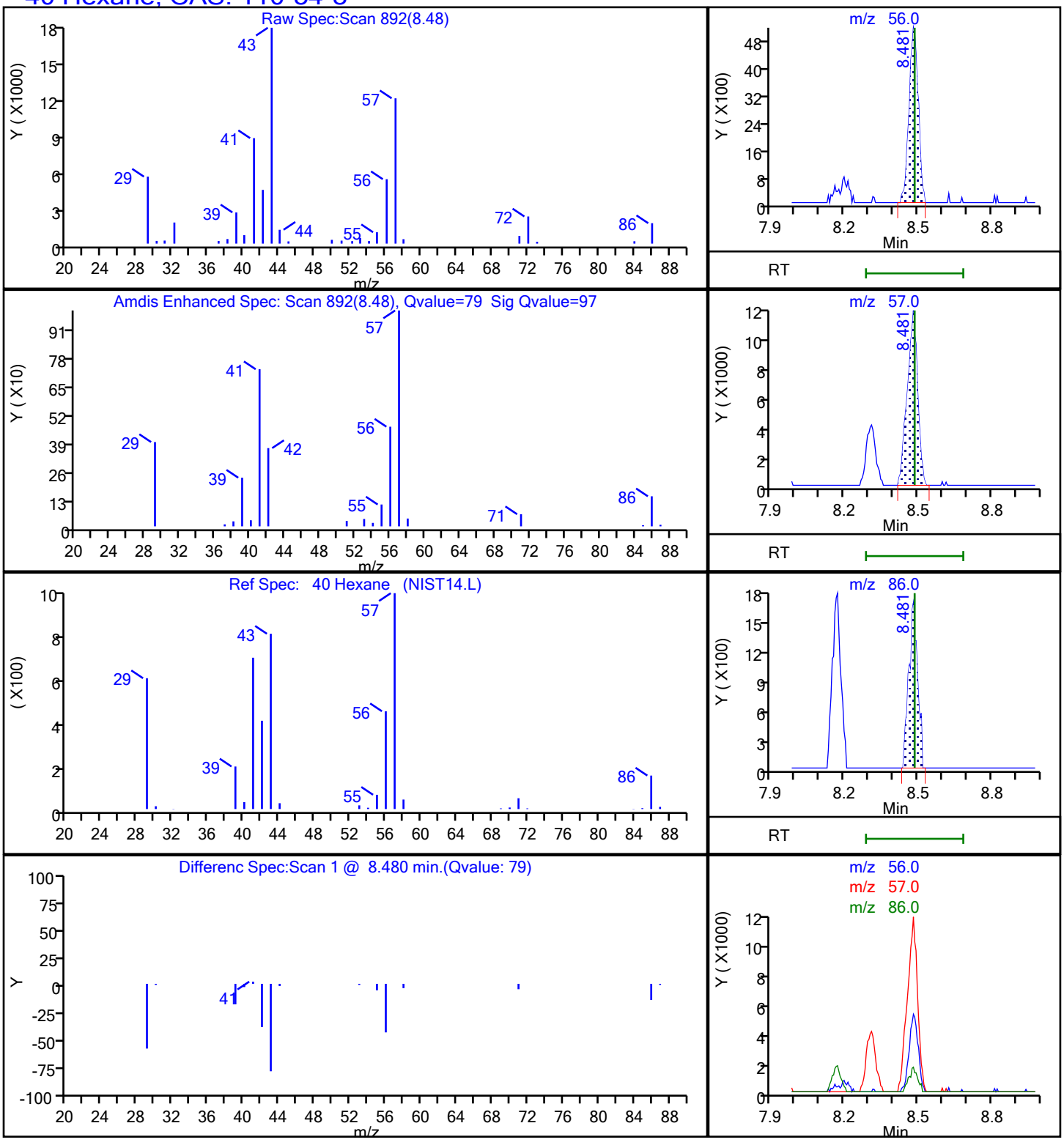
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

40 Hexane, CAS: 110-54-3



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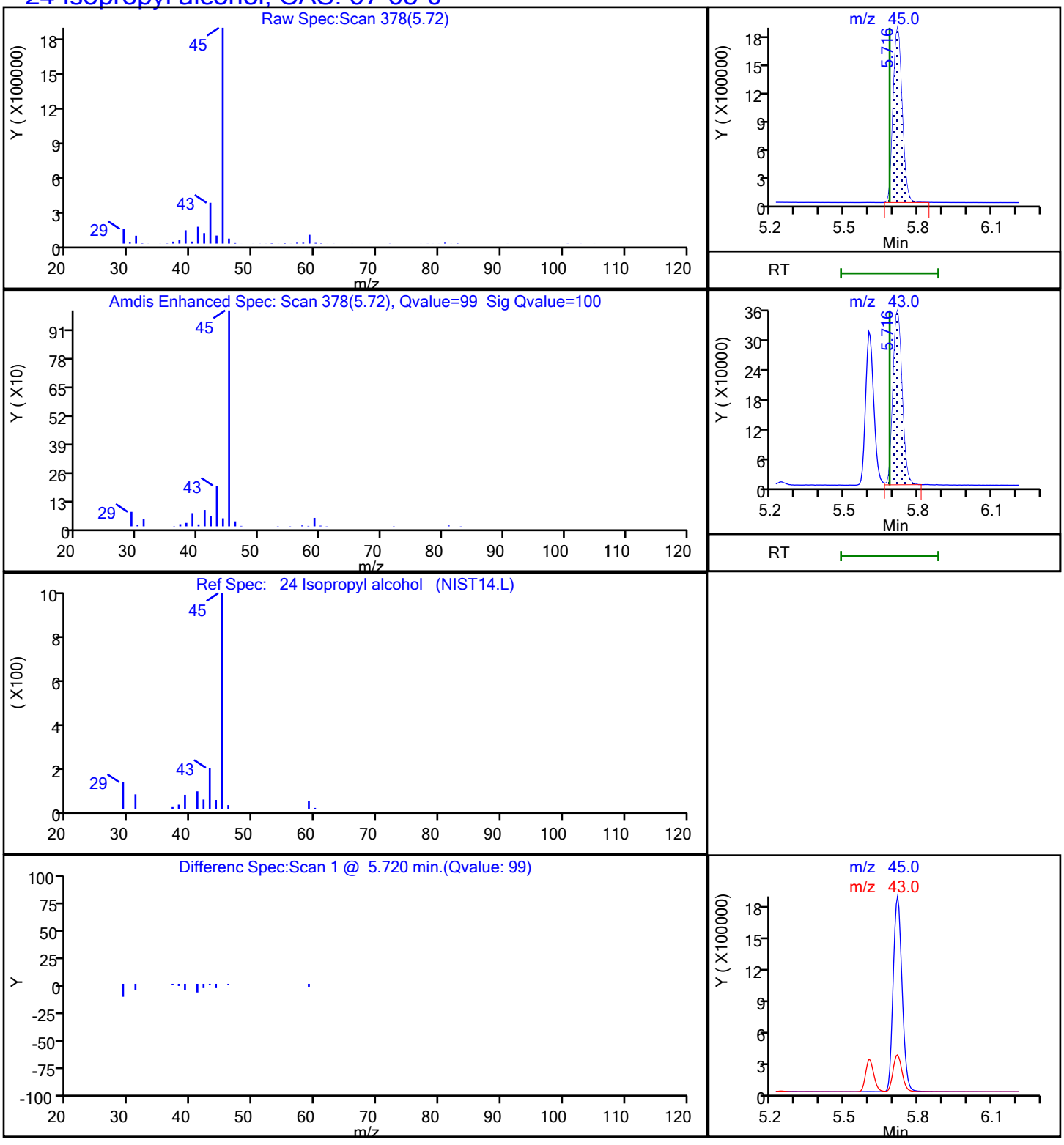
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

24 Isopropyl alcohol, CAS: 67-63-0



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Client ID:	GPEC-SV306				
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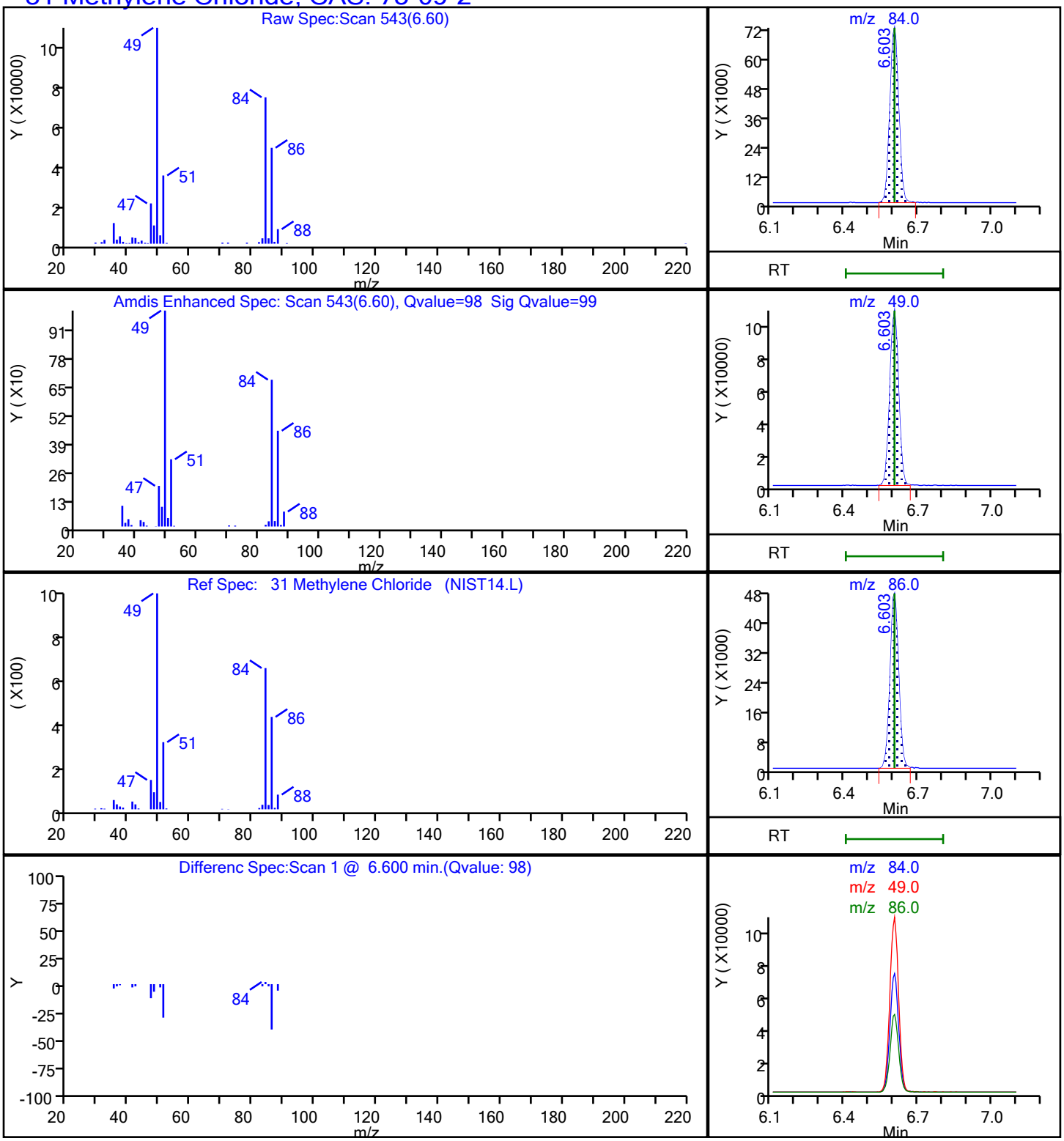
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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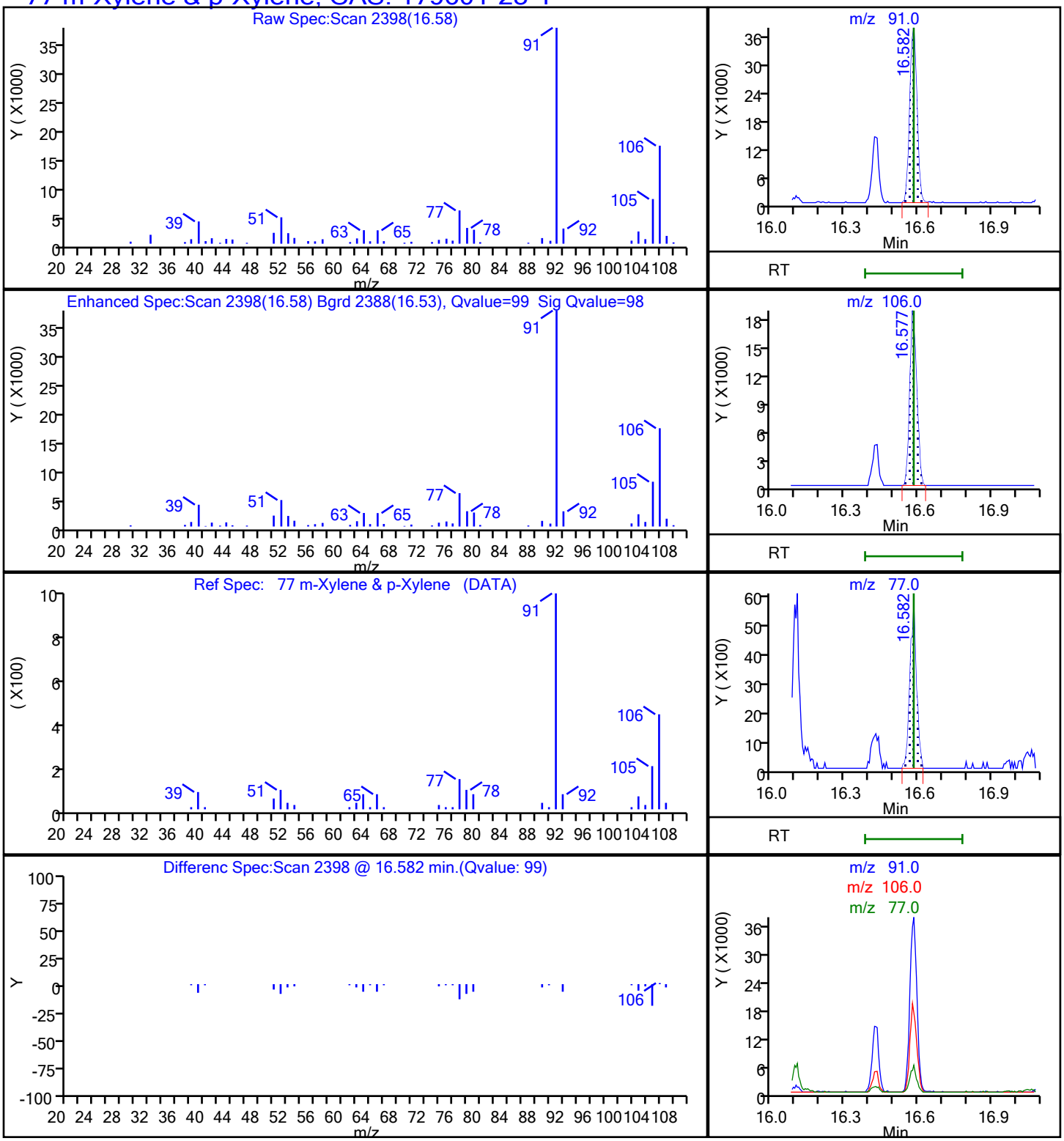
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

77 m-Xylene & p-Xylene, CAS: 179601-23-1



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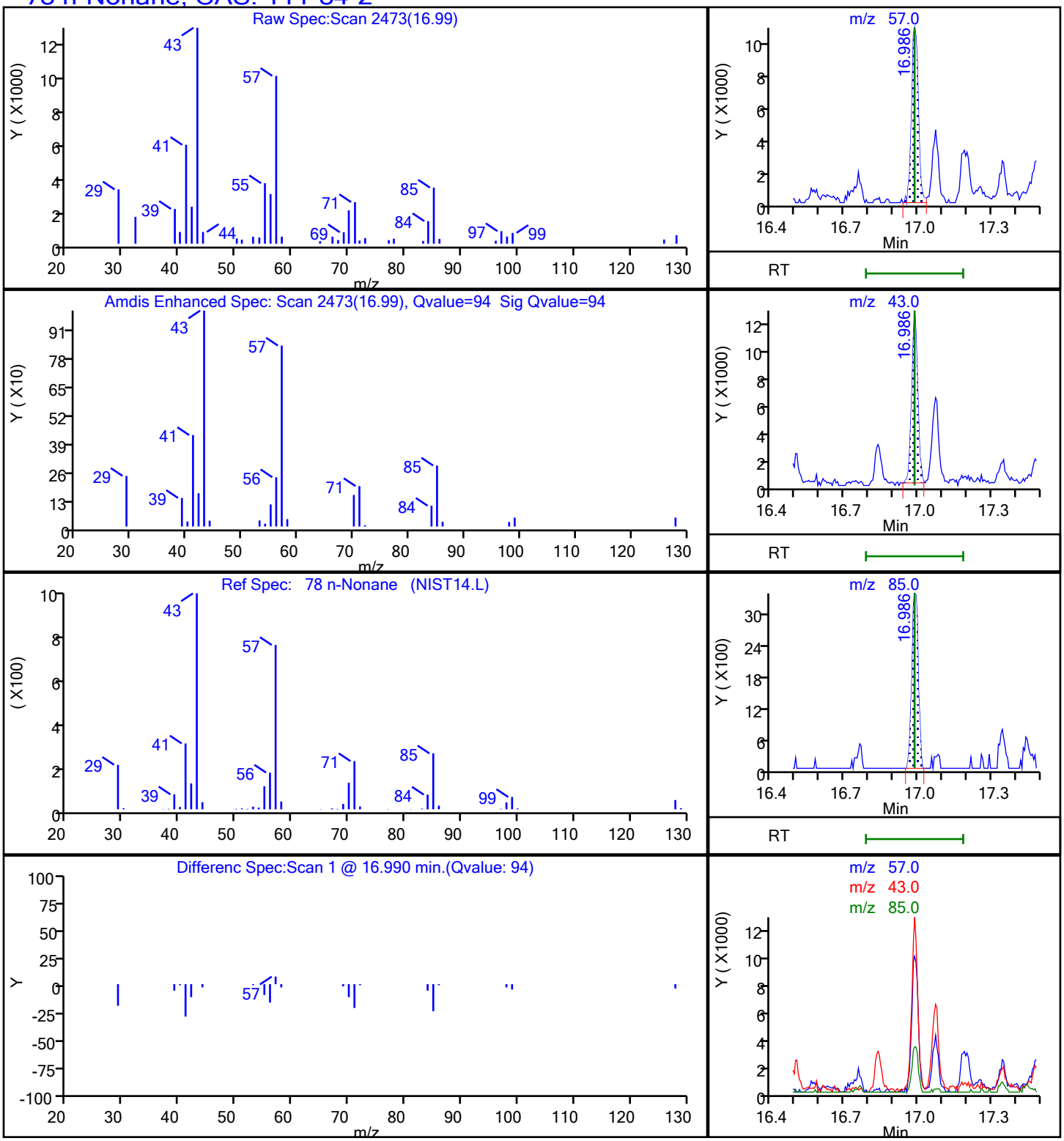
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

78 n-Nonane, CAS: 111-84-2



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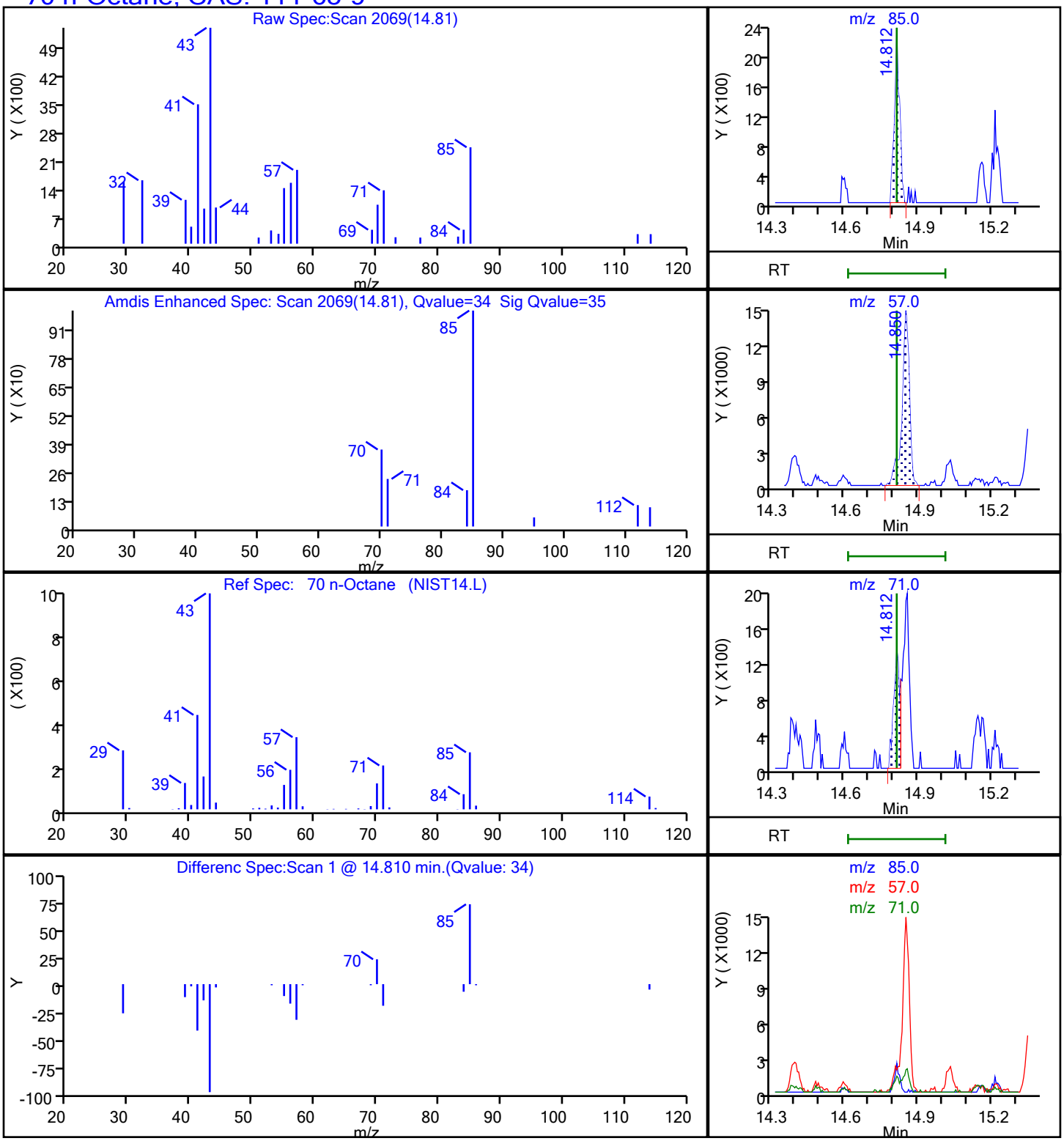
Injection Date: 10-Feb-2021 03:11:30 Instrument ID: MS
Lims ID: 140-21885-A-1 Lab Sample ID: 140-21885-1
Client ID: GPEC-SV306
Operator ID: HMT ALS Bottle#: 11 Worklist Smp#: 16
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: MS_TO15A Limit Group: MSA TO14A_15 Routine ICAL
Column: RTX-5 (0.32 mm) Detector MS SCAN

70 n-Octane, CAS: 111-65-9



Eurofins TestAmerica, Knoxville

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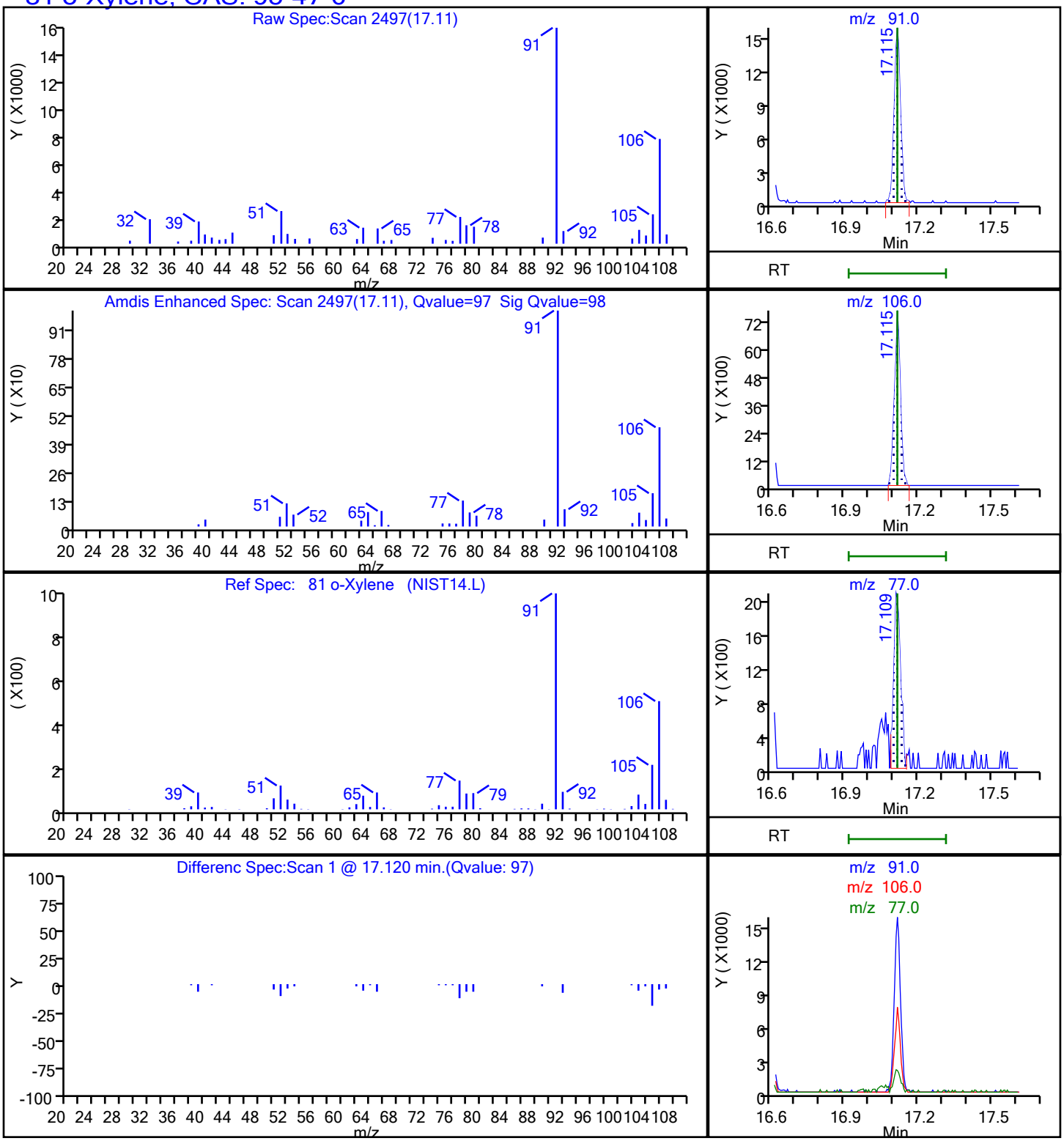
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1
Client ID:	GPEC-SV306		
Operator ID:	HMT	ALS Bottle#:	11 Worklist Smp#: 16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

81 o-Xylene, CAS: 95-47-6



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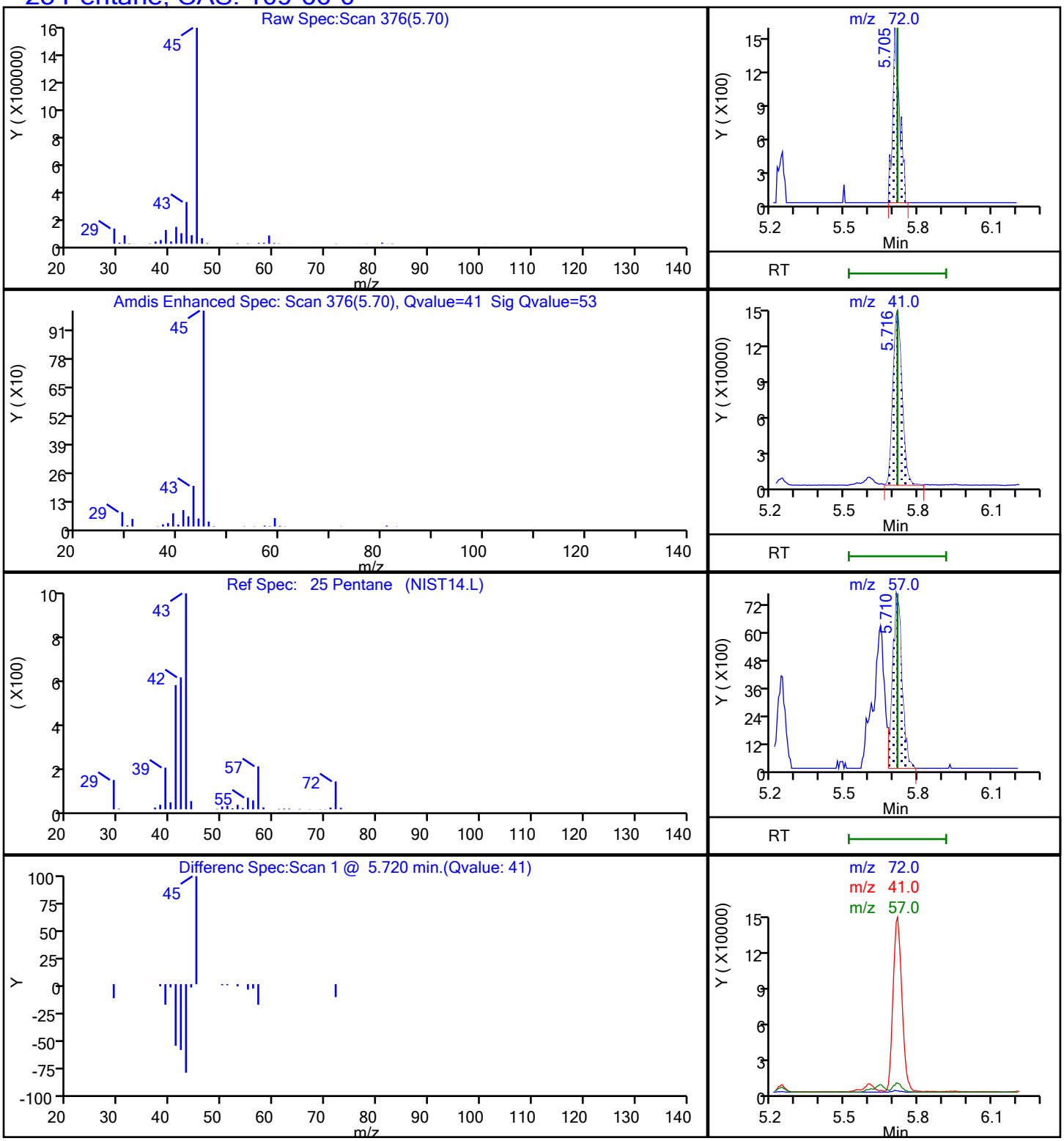
Client ID:	GPEC-SV306		
Operator ID:	HMT	ALS Bottle#:	11 Worklist Smp#: 16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

25 Pentane, CAS: 109-66-0



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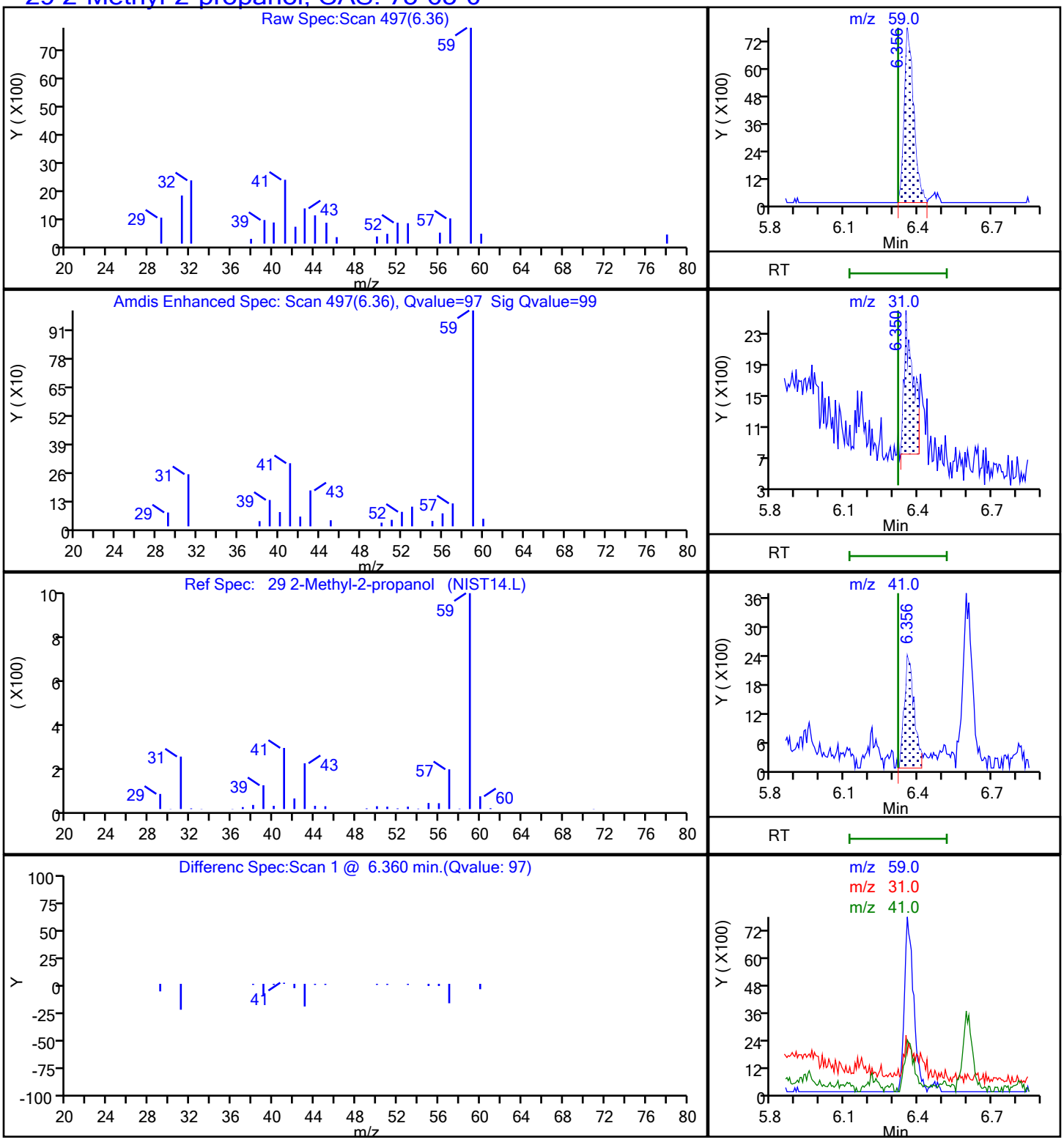
Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1
Client ID:	GPEC-SV306		
Operator ID:	HMT	ALS Bottle#:	11 Worklist Smp#: 16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

29 2-Methyl-2-propanol, CAS: 75-65-0



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Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1		
Client ID:	GPEC-SV306				
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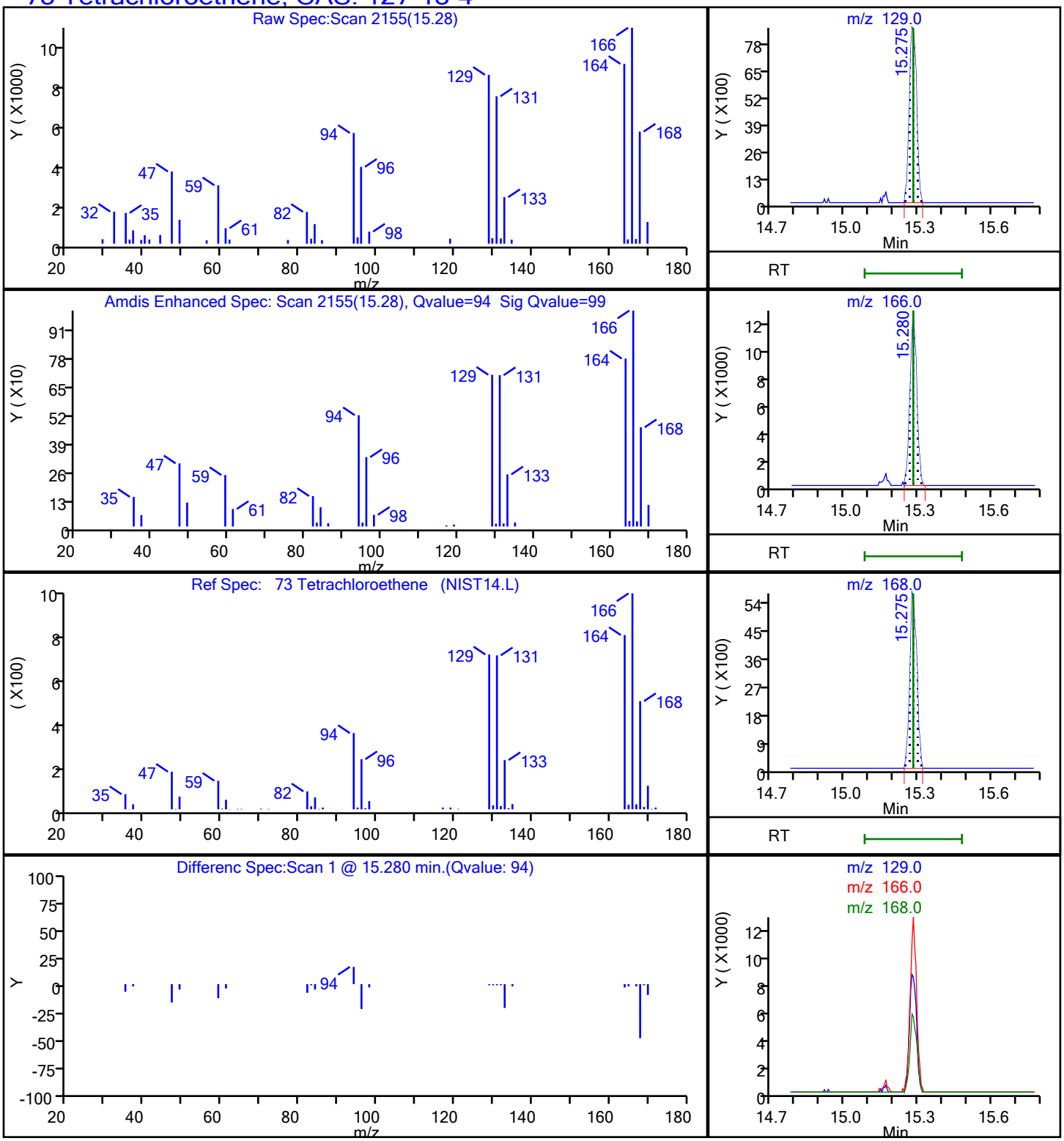
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

73 Tetrachloroethene, CAS: 127-18-4



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Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1
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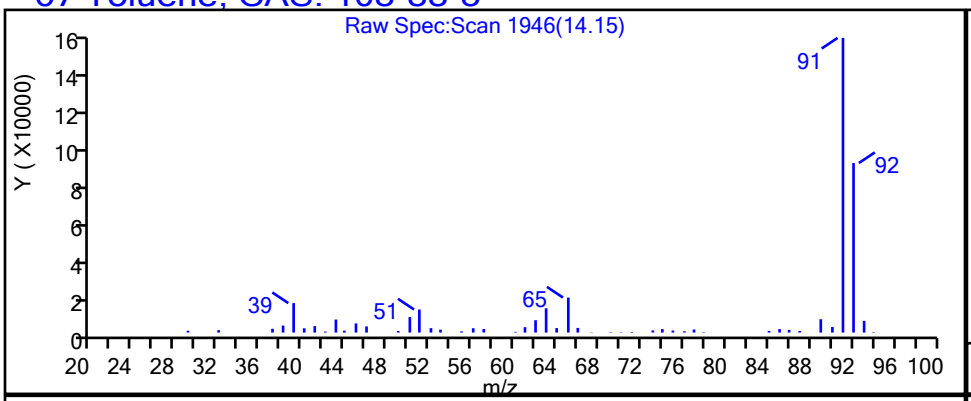
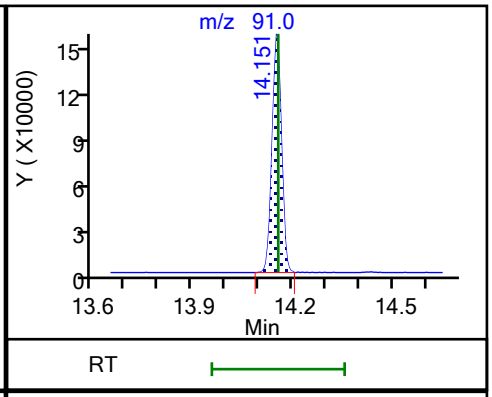
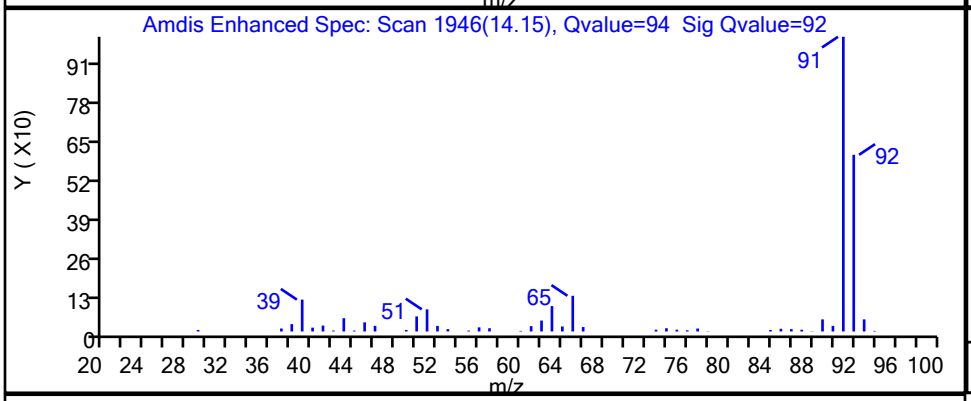
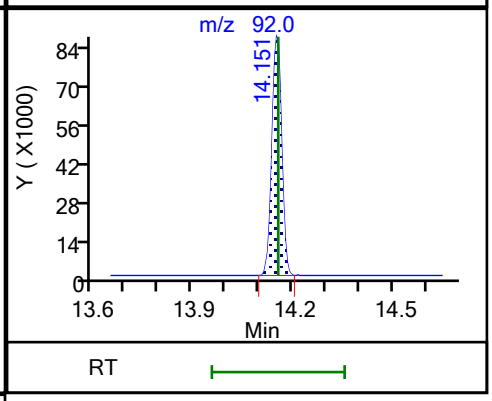
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

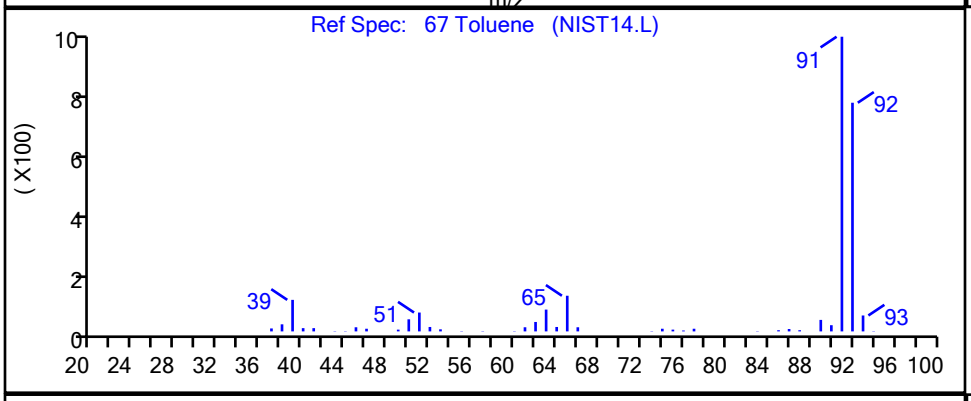
67 Toluene, CAS: 108-88-3

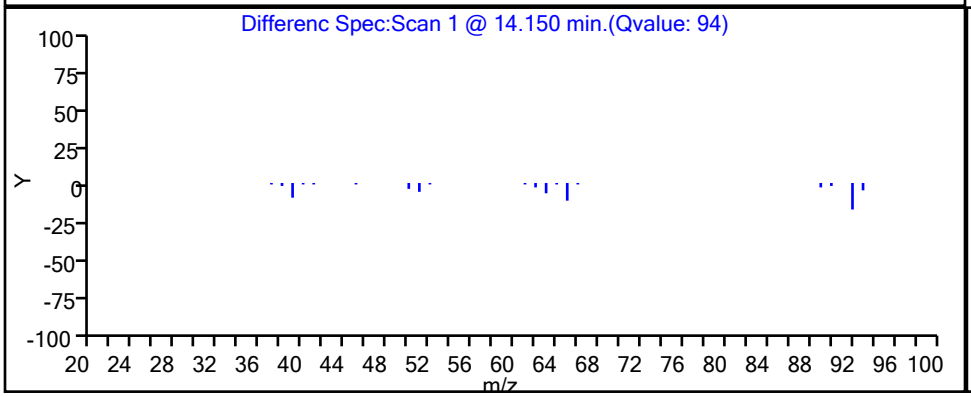


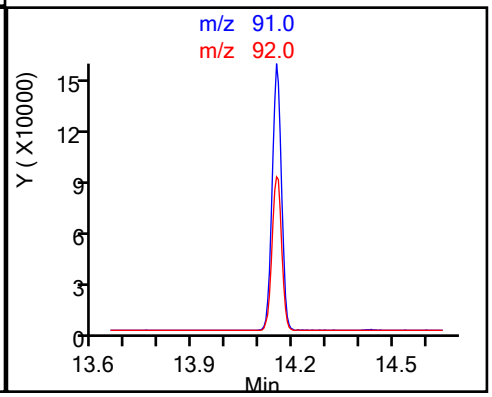












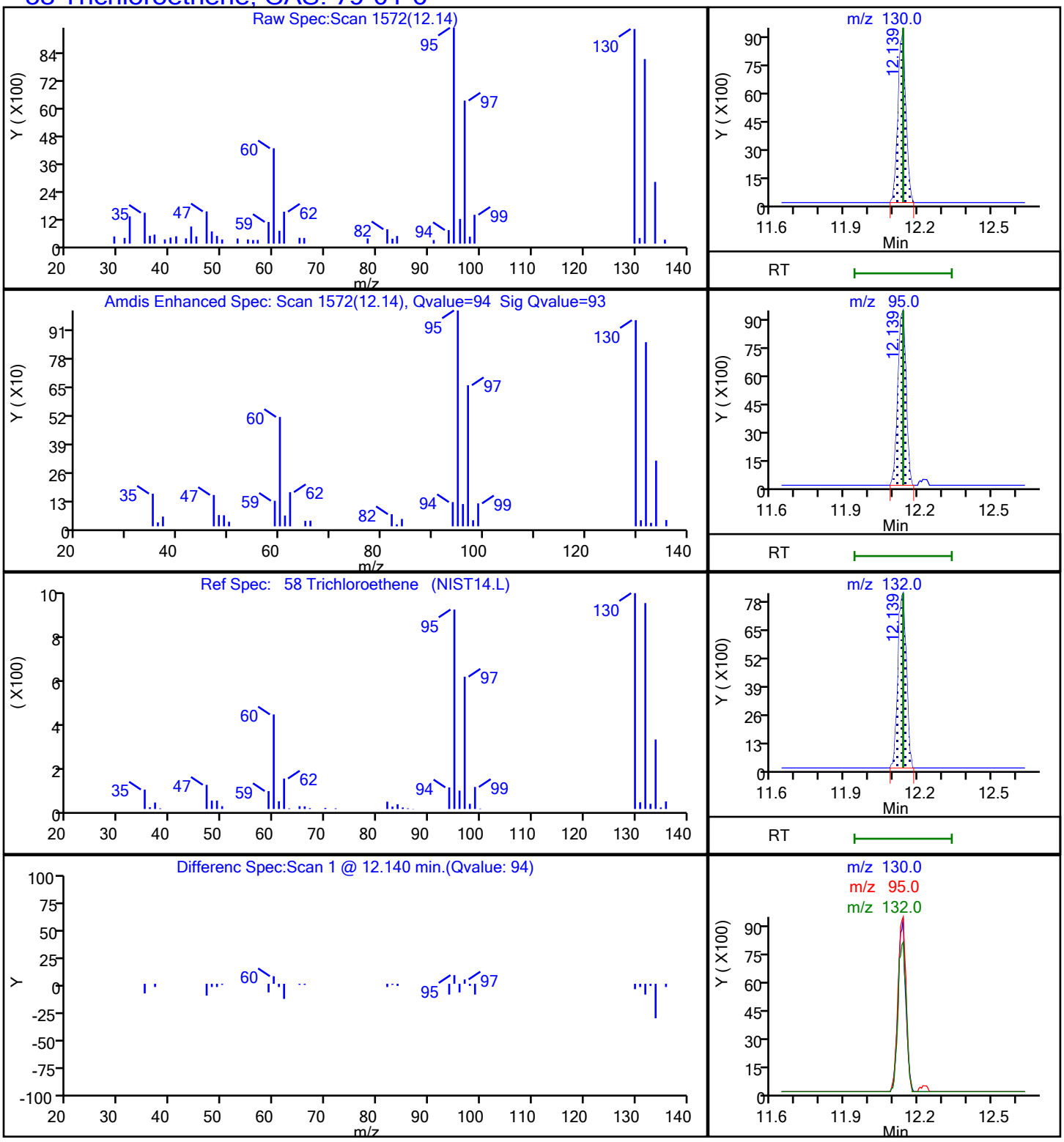
Report Date: 10-Feb-2021 17:11:01 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D

Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS		
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1		
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
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		

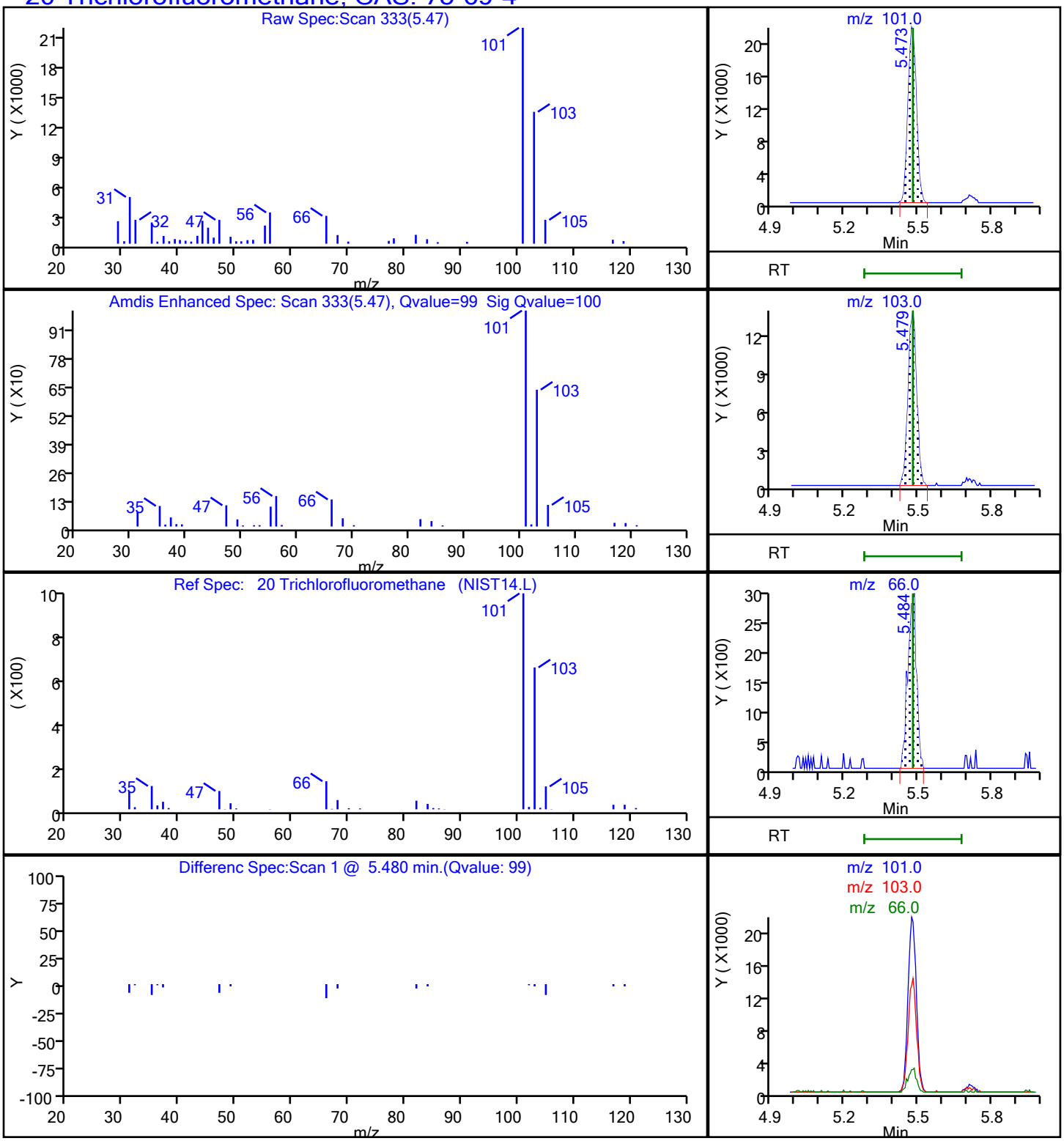
58 Trichloroethene, CAS: 79-01-6



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D				
Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS		
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1		
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
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		

20 Trichlorofluoromethane, CAS: 75-69-4



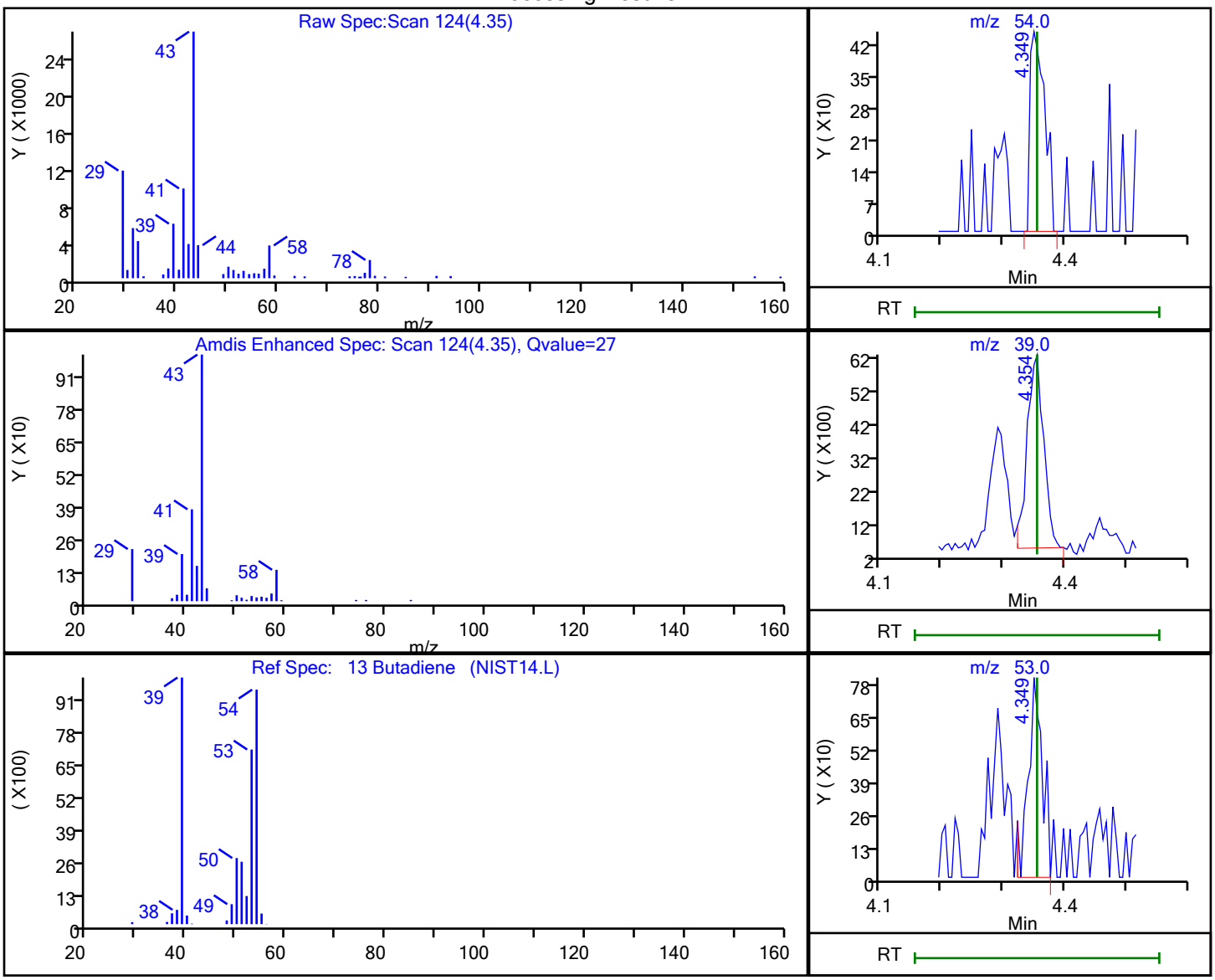
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D				
Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS		
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1		
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
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		

13 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
4.35	54.00	755	0.020309
4.35	39.00	10829	
4.35	53.00	1305	

Reviewer: khachitpongpanits, 10-Feb-2021 17:07:32

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

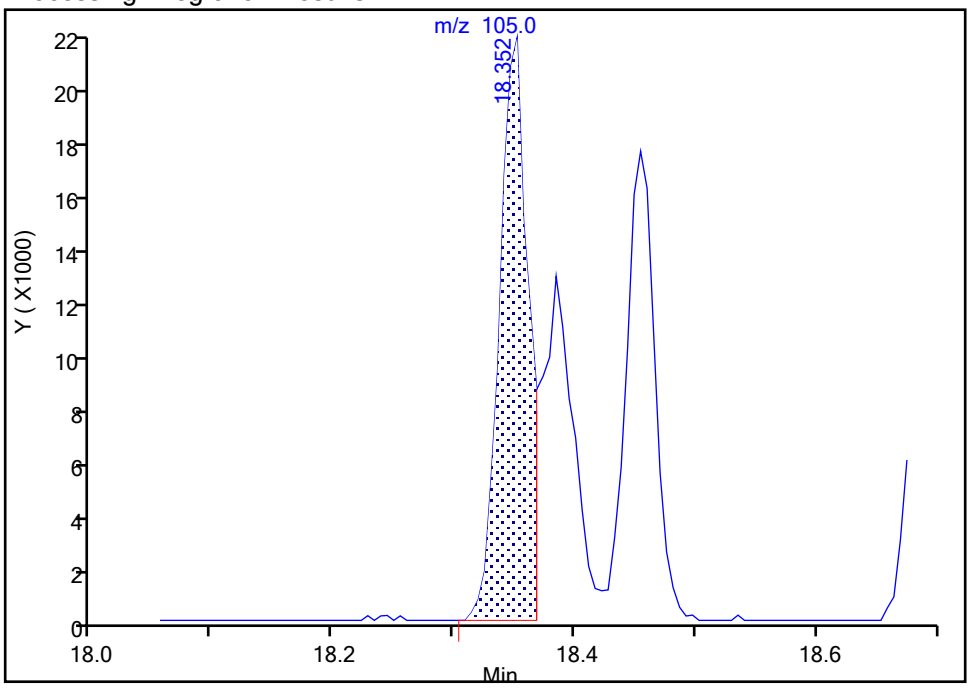
Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D				
Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS		
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1		
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

87 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

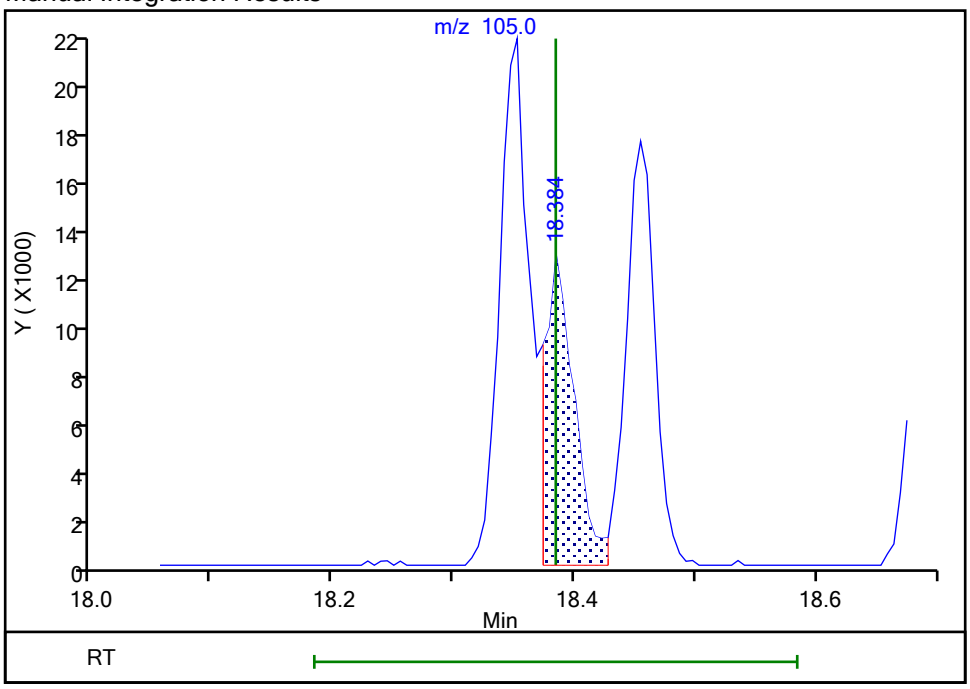
Processing Integration Results

RT: 18.35
Area: 36216
Amount: 0.089646
Amount Units: ppb v/v



Manual Integration Results

RT: 18.38
Area: 21807
Amount: 0.053979
Amount Units: ppb v/v



Reviewer: khachitpongpanits, 10-Feb-2021 17:09:07

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

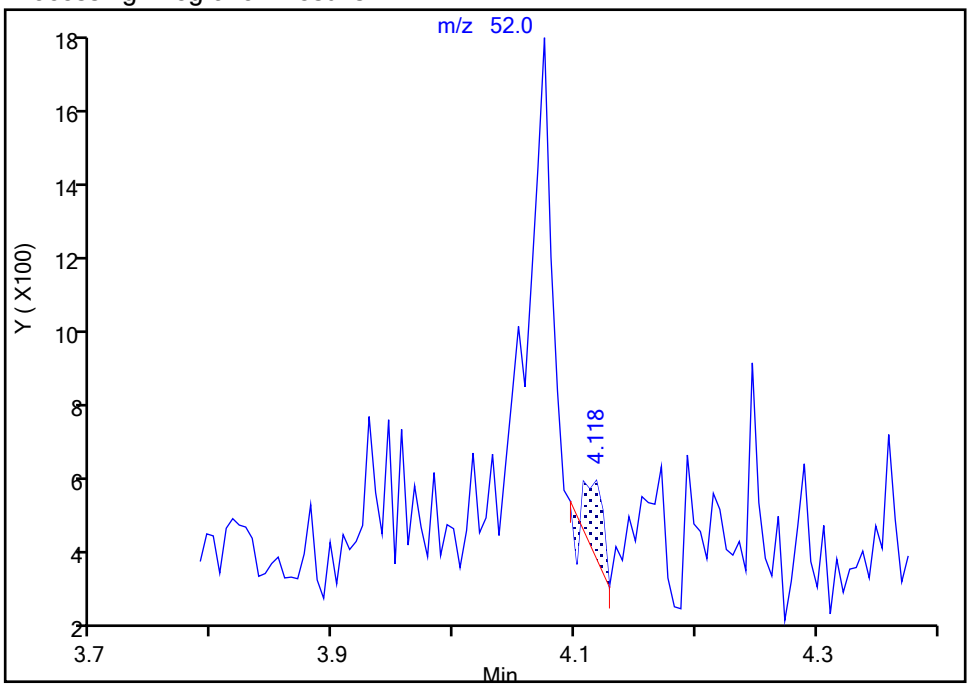
Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D				
Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS		
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1		
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

9 Chloromethane, CAS: 74-87-3

Signal: 1

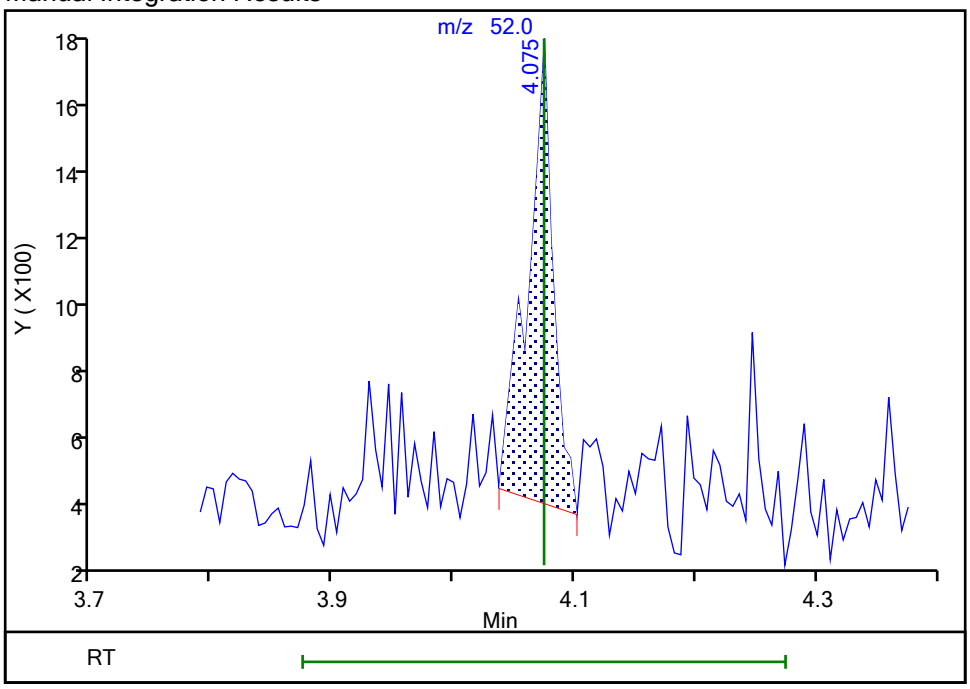
Processing Integration Results

RT: 4.12
Area: 157
Amount: 0.010798
Amount Units: ppb v/v



Manual Integration Results

RT: 4.07
Area: 1893
Amount: 0.130189
Amount Units: ppb v/v



Reviewer: khachitpongpanits, 10-Feb-2021 17:07:13

Audit Action: Manually Integrated Audit Reason: Wrong peak

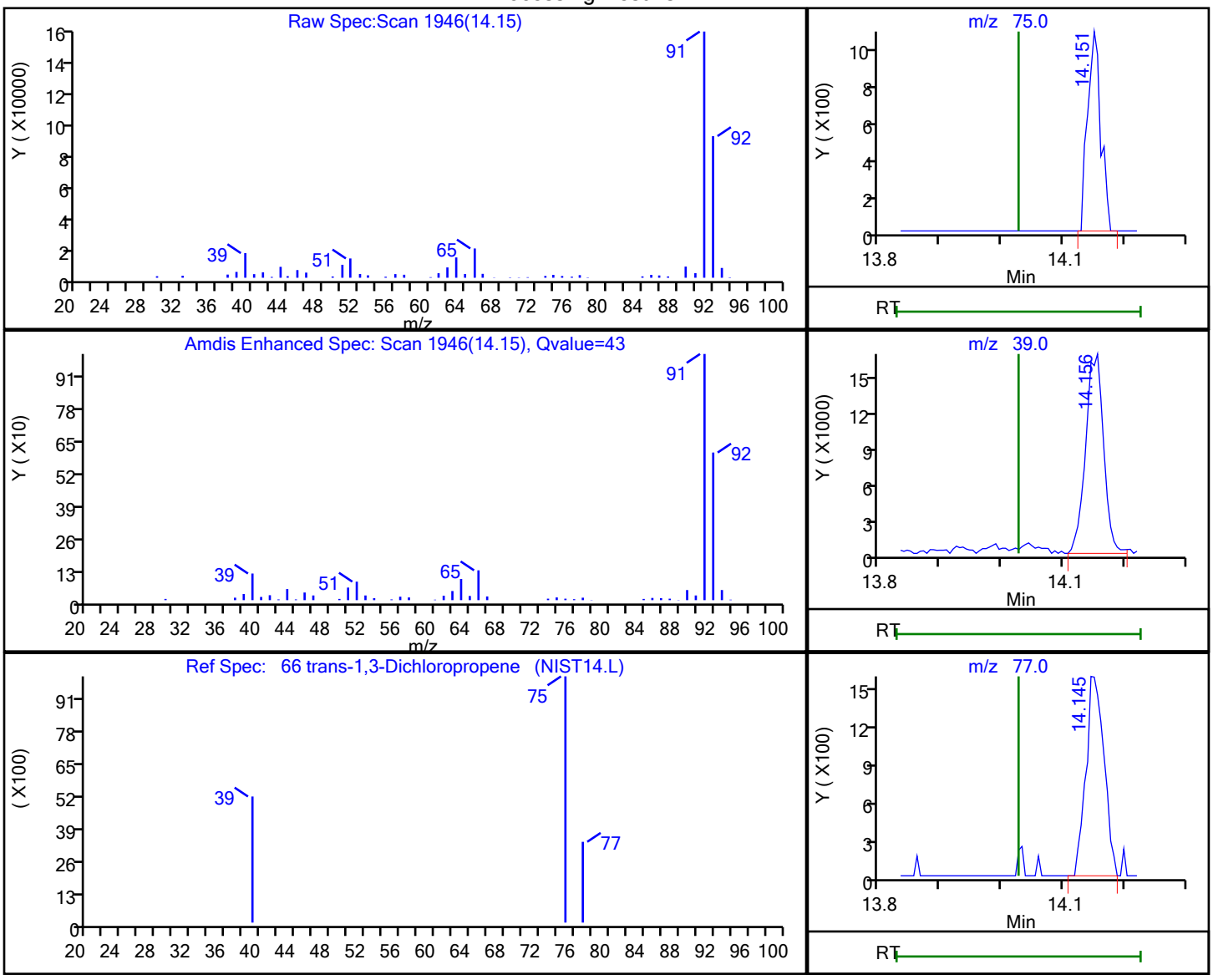
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P111.D				
Injection Date:	10-Feb-2021 03:11:30	Instrument ID:	MS		
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1		
Client ID:	GPEC-SV306				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	16
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		

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
14.15	75.00	1589	0.015545
14.16	39.00	33042	
14.15	77.00	3267	

Reviewer: khachitpongpanits, 10-Feb-2021 17:08:41

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.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-SV306 DL Lab Sample ID: 140-21885-1 DL

Matrix: Air Lab File ID: HB11P106.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:02

Sample wt/vol: 20(mL) Date Analyzed: 02/12/2021 00:38

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.: 46842 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
64-17-5	Ethanol	46.07	1000		50	22
67-63-0	Isopropyl alcohol	60.10	39		20	5.5

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.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-SV306 DL Lab Sample ID: 140-21885-1 DL

Matrix: Air Lab File ID: HB11P106.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:02

Sample wt/vol: 20(mL) Date Analyzed: 02/12/2021 00:38

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.: 46842 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
64-17-5	Ethanol	46.07	2000		94	41
67-63-0	Isopropyl alcohol	60.10	95		49	14

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\MH\20210210-18175.b\HB11P106.D				
Lims ID:	140-21885-A-1				
Client ID:	GPEC-SV306				
Sample Type:	Client				
Inject. Date:	12-Feb-2021 00:38:30	ALS Bottle#:	6	Worklist Smp#:	17
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018175-017				
Misc. Info.:	140-21885-a-1				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Feb-2021 15:38:13	Calib Date:	09-Feb-2021 06:44:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1655				
First Level Reviewer: khachitpongpanits		Date:	12-Feb-2021 15:38:13		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.426	9.451	-0.025	86	323831	4.80	
* 2 1,4-Difluorobenzene	114	11.664	11.679	-0.015	94	1485389	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.403	16.408	-0.005	87	1265608	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.026	18.025	-0.005	93	942911	4.49	
8 Dichlorodifluoromethane	85	3.926	3.910	0.005	98	4439	0.0180	
13 Butane	43	4.412	4.395	0.005	91	3399	0.0433	
17 Ethanol	31	5.027	5.003	0.010	94	1136222	41.8	
20 Trichlorofluoromethane	101	5.560	5.539	0.006	70	2278	0.009672	
25 Isopropyl alcohol	45	5.782	5.751	0.016	98	127786	1.54	
37 1,1-Dichloroethane	63	8.004	8.003	-0.021	98	3894	0.0256	
47 1,1,1-Trichloroethane	97	10.526	10.513	-0.016	96	17568	0.0924	
51 Benzene	78	11.131	11.132	-0.016	97	2926	0.0106	
58 Trichloroethene	130	12.387	12.381	-0.010	91	1224	0.009872	
73 Tetrachloroethene	129	15.576	15.576	-0.005	87	997	0.007834	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

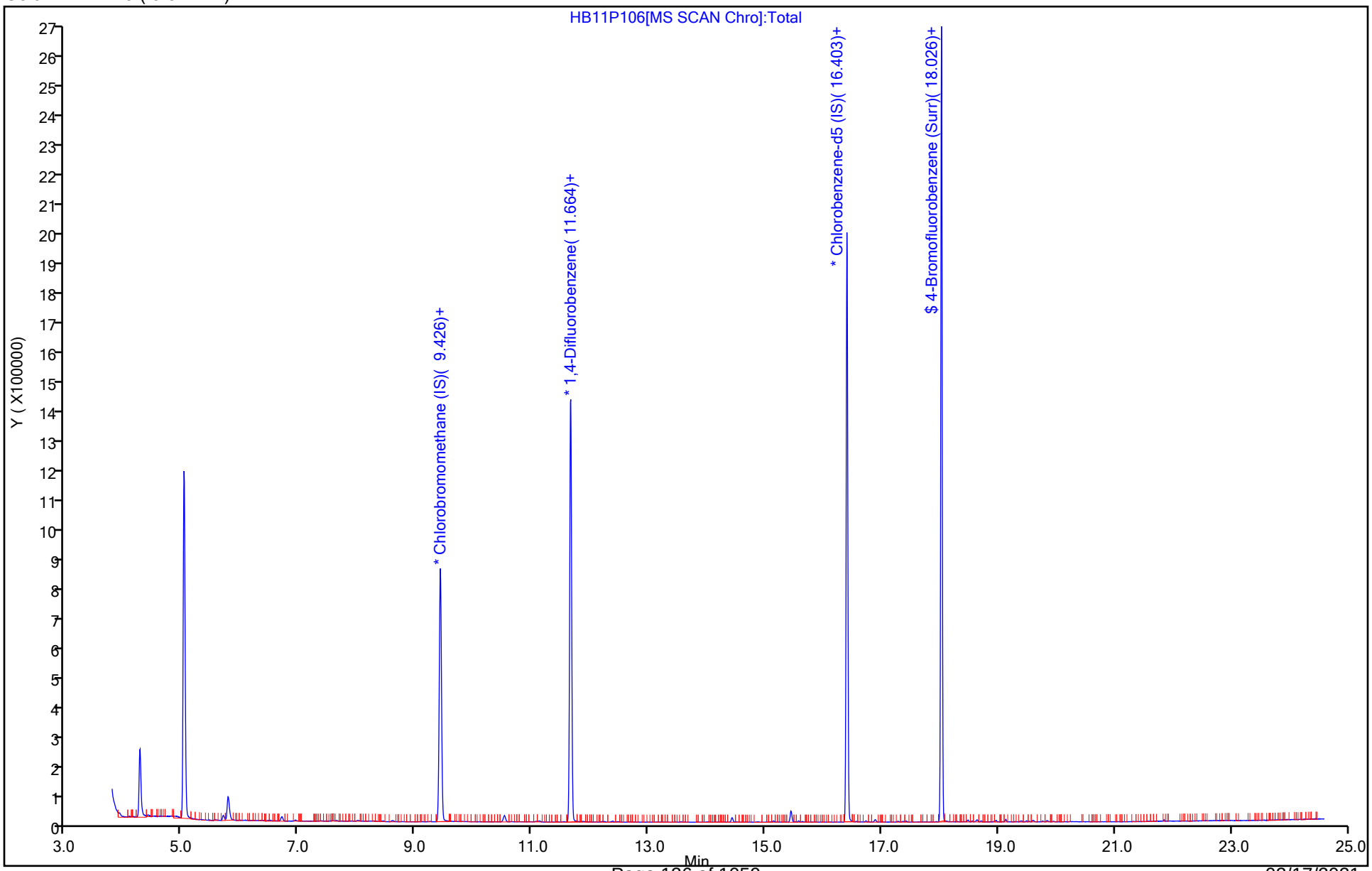
Report Date: 12-Feb-2021 15:38:14 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P106.D

Injection Date:	12-Feb-2021 00:38:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1	Worklist Smp#:	17
Client ID:	GPEC-SV306				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P106.D				
Lims ID:	140-21885-A-1				
Client ID:	GPEC-SV306				
Sample Type:	Client				
Inject. Date:	12-Feb-2021 00:38:30	ALS Bottle#:	6	Worklist Smp#:	17
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018175-017				
Misc. Info.:	140-21885-a-1				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Feb-2021 15:38:13	Calib Date:	09-Feb-2021 06:44:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1655				

First Level Reviewer: khachitpongpanits Date: 12-Feb-2021 15:38:13

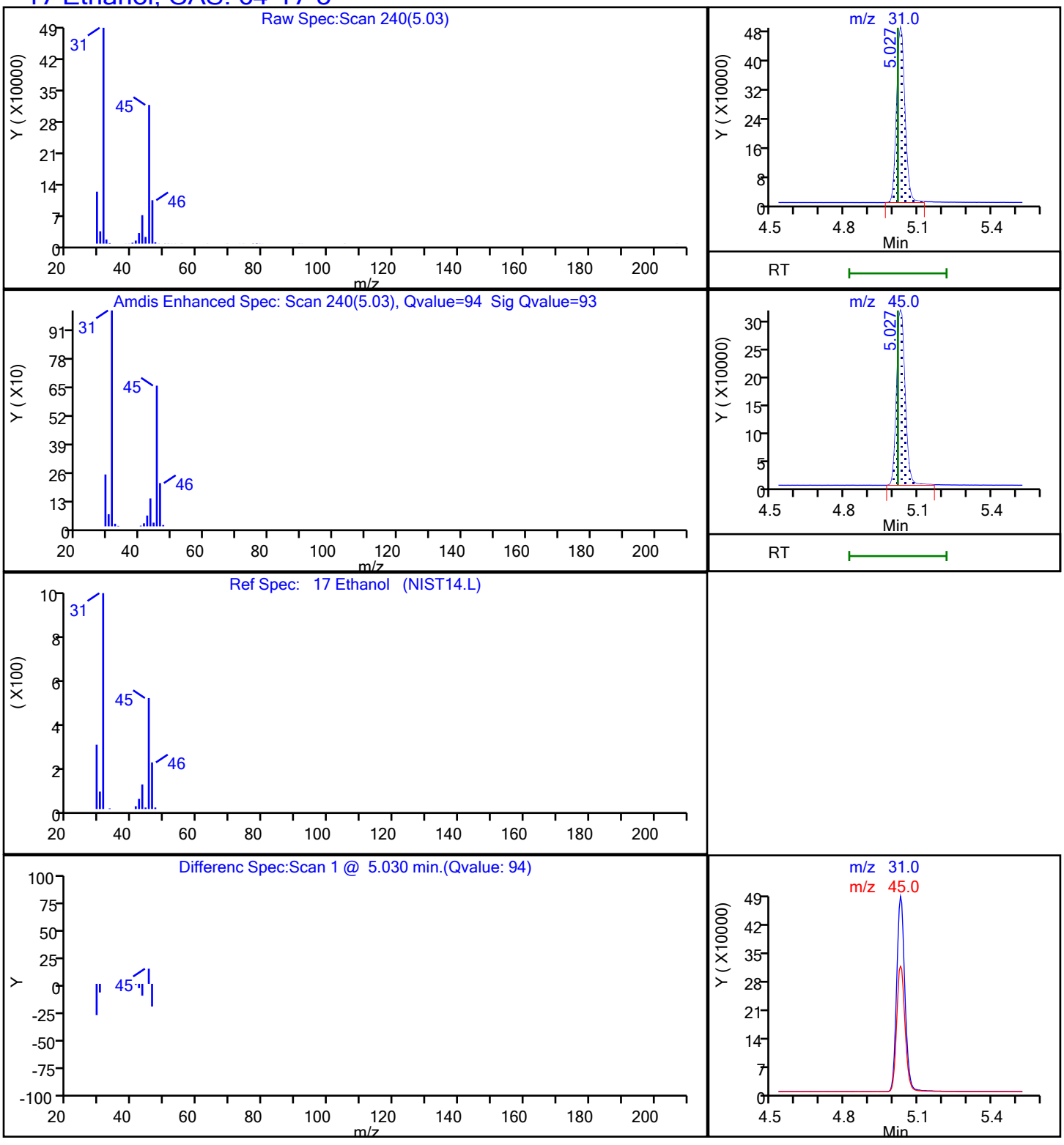
Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.49	96.80

Report Date: 12-Feb-2021 15:38:14 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P106.D		
Injection Date:	12-Feb-2021 00:38:30	Instrument ID:	MH
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1
Client ID:	GPEC-SV306		
Operator ID:	HMT	ALS Bottle#:	6 Worklist Smp#: 17
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

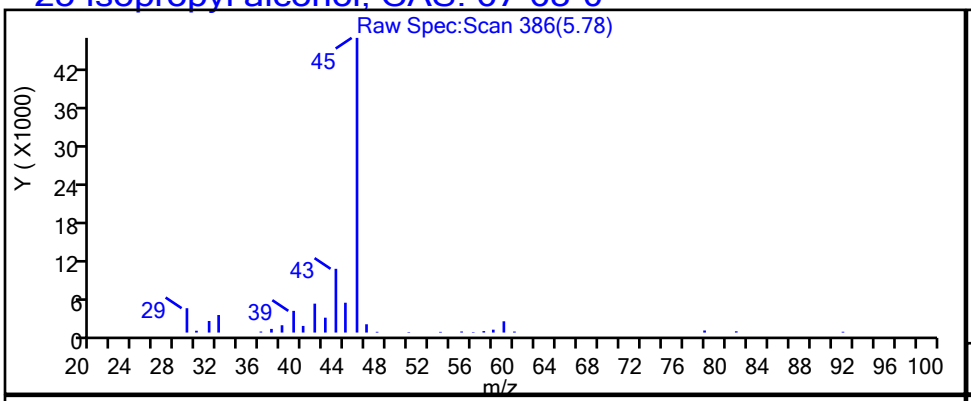
17 Ethanol, CAS: 64-17-5

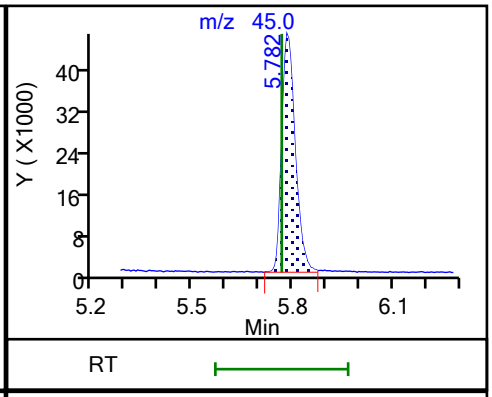


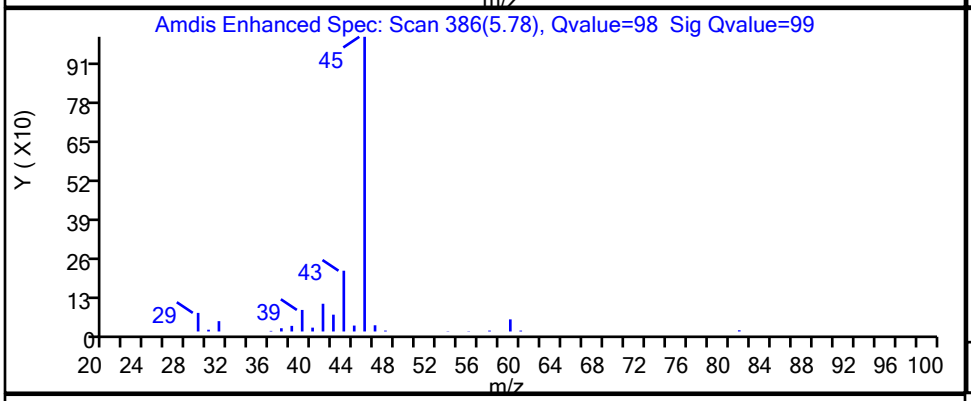
Eurofins TestAmerica, Knoxville

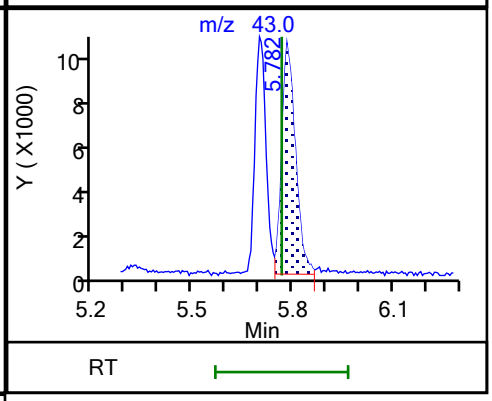
Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P106.D		
Injection Date:	12-Feb-2021 00:38:30	Instrument ID:	MH
Lims ID:	140-21885-A-1	Lab Sample ID:	140-21885-1
Client ID:	GPEC-SV306		
Operator ID:	HMT	ALS Bottle#:	6 Worklist Smp#: 17
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

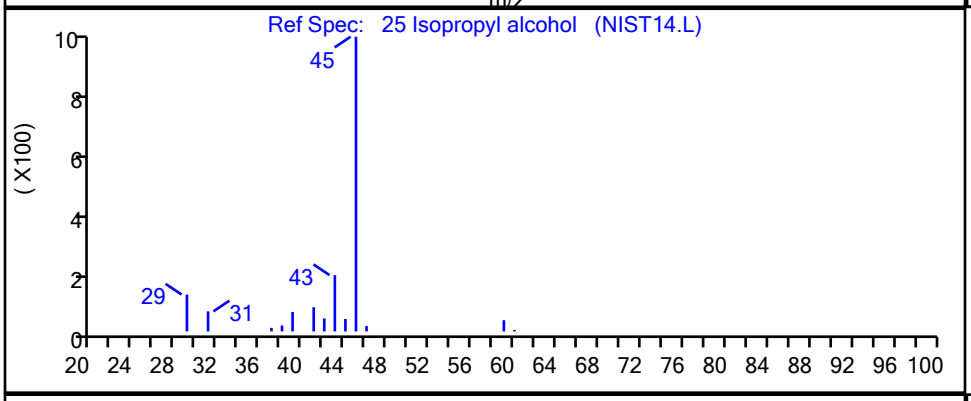
25 Isopropyl alcohol, CAS: 67-63-0

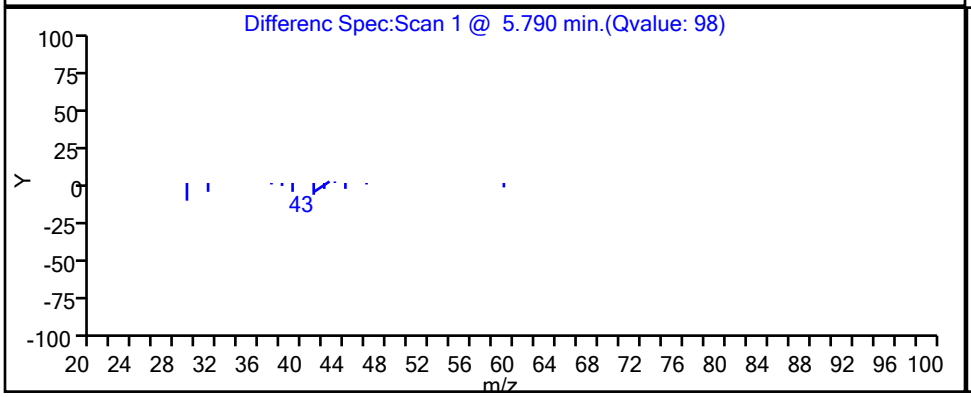


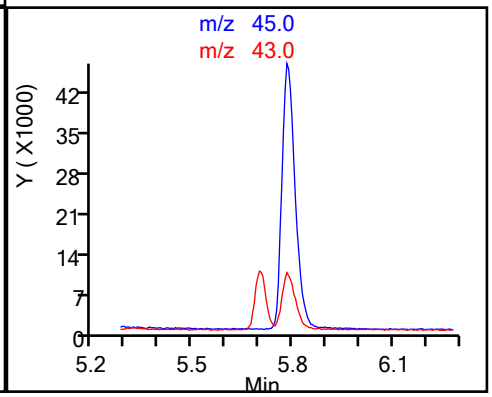












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 306 Lab Sample ID: 140-21885-2

Matrix: Air Lab File ID: SB09P112.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:21

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 04:08

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.080	0.037
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.080	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	0.072	J	0.080	0.0080
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.080	0.0070
75-34-3	1,1-Dichloroethane	98.96	ND		0.080	0.0070
75-35-4	1,1-Dichloroethene	96.94	ND		0.040	0.0080
526-73-8	1,2,3-Trimethylbenzene	120.19	ND		0.080	0.036
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.080	0.064
95-63-6	1,2,4-Trimethylbenzene	120.20	0.048	J	0.080	0.020
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		0.080	0.0070
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	0.014	J	0.080	0.012
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.080	0.031
107-06-2	1,2-Dichloroethane	98.96	0.022	J	0.080	0.010
78-87-5	1,2-Dichloropropane	112.99	ND		0.080	0.010
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.080	0.022
106-99-0	1,3-Butadiene	54.09	ND		0.16	0.019
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.080	0.016
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.080	0.016
123-91-1	1,4-Dioxane	88.11	ND		0.20	0.030
90-12-0	1-Methylnaphthalene	142.20	ND		1.0	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	0.061	J	0.20	0.0080
78-93-3	2-Butanone (MEK)	72.11	0.78		0.32	0.073
95-49-8	2-Chlorotoluene	126.59	ND		0.16	0.016
591-78-6	2-Hexanone	100.20	0.029	J	0.20	0.016
91-57-6	2-Methylnaphthalene	142.20	ND		1.0	0.27
107-05-1	3-Chloropropene	76.53	ND		0.080	0.023
622-96-8	4-Ethyltoluene	120.20	0.024	J	0.16	0.021
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	0.060	J	0.20	0.054
67-64-1	Acetone	58.08	15	CI	2.0	0.57
71-43-2	Benzene	78.11	0.21	B	0.080	0.0080
100-44-7	Benzyl chloride	126.58	ND		0.16	0.038
75-27-4	Bromodichloromethane	163.83	ND		0.080	0.018
75-25-2	Bromoform	252.75	ND		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 306 Lab Sample ID: 140-21885-2

Matrix: Air Lab File ID: SB09P112.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:21

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 04:08

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND		0.080	0.022
106-97-8	Butane	58.12	6.1		0.16	0.083
75-15-0	Carbon disulfide	76.14	0.047	J B	0.20	0.011
56-23-5	Carbon tetrachloride	153.81	0.078		0.032	0.0070
108-90-7	Chlorobenzene	112.56	0.0067	J B	0.080	0.0060
75-00-3	Chloroethane	64.52	ND		0.080	0.029
67-66-3	Chloroform	119.38	0.023	J	0.080	0.0070
74-87-3	Chloromethane	50.49	0.64		0.20	0.066
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.040	0.010
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.080	0.016
110-82-7	Cyclohexane	84.16	0.072	J	0.20	0.023
124-18-5	Decane	142.28	0.089	J	0.40	0.038
124-48-1	Dibromochloromethane	208.28	ND		0.080	0.0070
75-71-8	Dichlorodifluoromethane	120.91	0.28		0.080	0.014
112-40-3	Dodecane	170.33	ND		0.40	0.064
64-17-5	*Ethanol*	*46.07*	*470*	*E*	*2.0*	*0.87*
100-41-4	Ethylbenzene	106.17	0.083		0.080	0.013
142-82-5	Heptane	100.21	0.23		0.20	0.014
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	0.032
110-54-3	Hexane	86.17	0.19	J	0.20	0.013
67-63-0	Isopropyl alcohol	60.10	17		0.80	0.22
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.16	0.052
75-09-2	Methylene Chloride	84.93	3.7		0.40	0.39
179601-23-1	m-Xylene & p-Xylene	106.17	0.33		0.080	0.029
91-20-3	Naphthalene	128.17	ND		0.20	0.076
111-84-2	Nonane	128.26	0.056	J	0.20	0.018
111-65-9	Octane	114.23	0.038	J	0.16	0.016
95-47-6	o-Xylene	106.17	0.10		0.080	0.015
109-66-0	Pentane	72.15	0.31	J	0.40	0.079
100-42-5	Styrene	104.15	ND	*+	0.080	0.024
75-65-0	tert-Butyl alcohol	74.12	0.11	J	0.32	0.088
127-18-4	Tetrachloroethene	165.83	0.14		0.080	0.0070
108-88-3	Toluene	92.14	1.3		0.12	0.078
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.080	0.0070
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 306 Lab Sample ID: 140-21885-2

Matrix: Air Lab File ID: SB09P112.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:21

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 04:08

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.28		0.036	0.0060
75-69-4	Trichlorofluoromethane	137.37	0.24		0.080	0.011
1120-21-4	Undecane	156.31	ND		0.40	0.048
593-60-2	Vinyl bromide	106.96	ND		0.080	0.020
75-01-4	Vinyl chloride	62.50	ND		0.040	0.026

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.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 306 Lab Sample ID: 140-21885-2

Matrix: Air Lab File ID: SB09P112.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:21

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 04:08

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.44	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.55	0.096
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	0.55	J	0.61	0.061
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.44	0.038
75-34-3	1,1-Dichloroethane	98.96	ND		0.32	0.028
75-35-4	1,1-Dichloroethene	96.94	ND		0.16	0.032
526-73-8	1,2,3-Trimethylbenzene	120.19	ND		0.39	0.18
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.59	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	0.23	J	0.39	0.098
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		0.61	0.054
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	0.096	J	0.56	0.084
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.48	0.19
107-06-2	1,2-Dichloroethane	98.96	0.089	J	0.32	0.040
78-87-5	1,2-Dichloropropane	112.99	ND		0.37	0.046
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.39	0.11
106-99-0	1,3-Butadiene	54.09	ND		0.35	0.042
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.48	0.096
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.48	0.096
123-91-1	1,4-Dioxane	88.11	ND		0.72	0.11
90-12-0	1-Methylnaphthalene	142.20	ND		5.8	1.5
540-84-1	2,2,4-Trimethylpentane	114.23	0.28	J	0.93	0.037
78-93-3	2-Butanone (MEK)	72.11	2.3		0.94	0.22
95-49-8	2-Chlorotoluene	126.59	ND		0.83	0.083
591-78-6	2-Hexanone	100.20	0.12	J	0.82	0.066
91-57-6	2-Methylnaphthalene	142.20	ND		5.8	1.6
107-05-1	3-Chloropropene	76.53	ND		0.25	0.072
622-96-8	4-Ethyltoluene	120.20	0.12	J	0.79	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	0.24	J	0.82	0.22
67-64-1	Acetone	58.08	35	CI	4.8	1.4
71-43-2	Benzene	78.11	0.68	B	0.26	0.026
100-44-7	Benzyl chloride	126.58	ND		0.83	0.20
75-27-4	Bromodichloromethane	163.83	ND		0.54	0.12
75-25-2	Bromoform	252.75	ND		0.83	0.093

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 306 Lab Sample ID: 140-21885-2

Matrix: Air Lab File ID: SB09P112.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:21

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 04:08

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND		0.31	0.085
106-97-8	Butane	58.12	15		0.38	0.20
75-15-0	Carbon disulfide	76.14	0.15	J B	0.62	0.034
56-23-5	Carbon tetrachloride	153.81	0.49		0.20	0.044
108-90-7	Chlorobenzene	112.56	0.031	J B	0.37	0.028
75-00-3	Chloroethane	64.52	ND		0.21	0.077
67-66-3	Chloroform	119.38	0.11	J	0.39	0.034
74-87-3	Chloromethane	50.49	1.3		0.41	0.14
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.16	0.040
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.36	0.073
110-82-7	Cyclohexane	84.16	0.25	J	0.69	0.079
124-18-5	Decane	142.28	0.52	J	2.3	0.22
124-48-1	Dibromochloromethane	208.28	ND		0.68	0.060
75-71-8	Dichlorodifluoromethane	120.91	1.4		0.40	0.069
112-40-3	Dodecane	170.33	ND		2.8	0.45
64-17-5	*Ethanol*	*46.07*	*890*	*E*	*3.8*	*1.6*
100-41-4	Ethylbenzene	106.17	0.36		0.35	0.056
142-82-5	Heptane	100.21	0.96		0.82	0.057
87-68-3	Hexachlorobutadiene	260.76	ND		0.85	0.34
110-54-3	Hexane	86.17	0.66	J	0.70	0.046
67-63-0	Isopropyl alcohol	60.10	41		2.0	0.54
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.58	0.19
75-09-2	Methylene Chloride	84.93	13		1.4	1.4
179601-23-1	m-Xylene & p-Xylene	106.17	1.4		0.35	0.13
91-20-3	Naphthalene	128.17	ND		1.0	0.40
111-84-2	Nonane	128.26	0.29	J	1.0	0.094
111-65-9	Octane	114.23	0.18	J	0.75	0.075
95-47-6	o-Xylene	106.17	0.44		0.35	0.065
109-66-0	Pentane	72.15	0.92	J	1.2	0.23
100-42-5	Styrene	104.15	ND	*+	0.34	0.10
75-65-0	tert-Butyl alcohol	74.12	0.35	J	0.97	0.27
127-18-4	Tetrachloroethene	165.83	0.92		0.54	0.047
108-88-3	Toluene	92.14	4.9		0.45	0.29
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.32	0.028
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.36	0.041

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 306 Lab Sample ID: 140-21885-2

Matrix: Air Lab File ID: SB09P112.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:21

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 04:08

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.5		0.19	0.032
75-69-4	Trichlorofluoromethane	137.37	1.3		0.45	0.062
1120-21-4	Undecane	156.31	ND		2.6	0.31
593-60-2	Vinyl bromide	106.96	ND		0.35	0.087
75-01-4	Vinyl chloride	62.50	ND		0.10	0.066

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
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 306 Lab Sample ID: 140-21885-2

Matrix: Air Lab File ID: SB09P112.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:21

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 04:08

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.: 46753 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		
496-11-7	Indane TIC		ND		
95-13-6	Indene TIC		ND		
110-02-1	Thiophene TIC		ND		

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 306 Lab Sample ID: 140-21885-2

Matrix: Air Lab File ID: SB09P112.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:21

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 04:08

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.: 46753 Units: ug/m3

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		
496-11-7	Indane TIC		ND		
95-13-6	Indene TIC		ND		
110-02-1	Thiophene TIC		ND		

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D
Lims ID: 140-21885-A-2
Client ID: GPEC-IA 306
Sample Type: Client
Inject. Date: 10-Feb-2021 04:08:30 ALS Bottle#: 12 Worklist Smp#: 17
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018147-017
Misc. Info.: 140-21885-a-2
Operator ID: HMT Instrument ID: MS

Method: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 10-Feb-2021 17:13:50 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1657

First Level Reviewer: khachitpongpanits Date: 10-Feb-2021 17:13:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.250	9.255	-0.005	96	267575	4.80	
* 2 1,4-Difluorobenzene	114	11.428	11.434	-0.006	95	1260541	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.098	16.098	0.000	88	1065096	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.739	17.744	-0.005	87	778807	4.48	
8 Dichlorodifluoromethane	85	3.875	3.873	0.000	99	58874	0.2791	
9 Chloromethane	52	4.074	4.075	0.000	100	9367	0.6424	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.074	4.077	-0.006	35	1449	0.0137	
14 Butane	43	4.354	4.352	0.000	92	405466	6.12	
17 Ethanol	31	4.984	4.948	0.033	94	8556778	471.8	E
20 Trichlorofluoromethane	101	5.473	5.475	-0.005	99	50038	0.2353	
23 Acetone	58	5.597	5.599	-0.005	98	608158	14.6	
24 Isopropyl alcohol	45	5.710	5.680	0.027	99	1621097	16.7	
25 Pentane	72	5.704	5.712	-0.011	42	3880	0.3134	
29 2-Methyl-2-propanol	59	6.350	6.314	0.032	96	14495	0.1143	
30 112TCTFE	101	6.425	6.416	0.005	92	12310	0.0722	
31 Methylene Chloride	84	6.603	6.599	0.000	99	296017	3.68	
33 Carbon disulfide	76	6.775	6.776	-0.005	96	9716	0.0475	
39 2-Butanone (MEK)	72	8.453	8.443	0.005	99	28955	0.7814	
40 Hexane	56	8.486	8.481	0.000	82	12135	0.1877	
44 Chloroform	83	9.266	9.260	0.000	27	3979	0.0227	
48 1,2-Dichloroethane	62	10.428	10.417	0.006	63	2556	0.0221	
50 Cyclohexane	69	10.896	10.901	-0.010	50	2349	0.0723	
51 Benzene	78	10.906	10.901	0.000	96	48475	0.2130	
52 Carbon tetrachloride	117	10.923	10.923	-0.005	92	11893	0.0776	
55 Isooctane	57	11.643	11.638	0.000	80	22220	0.0606	
56 n-Heptane	71	12.004	12.004	-0.005	91	16216	0.2337	
58 Trichloroethene	130	12.138	12.133	0.000	97	28007	0.2778	
64 4-Methyl-2-pentanone (MIBK)	43	13.279	13.262	0.011	98	10193	0.0597	
67 Toluene	91	14.150	14.156	-0.006	93	345152	1.30	
69 2-Hexanone	58	14.602	14.586	0.016	89	2401	0.0292	
70 n-Octane	85	14.812	14.812	0.000	88	2846	0.0378	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
73 Tetrachloroethene	129	15.280	15.280	0.000	91	12990	0.1351	
75 Chlorobenzene	112	16.146	16.146	0.000	81	1419	0.006664	
76 Ethylbenzene	91	16.426	16.426	0.000	99	27698	0.0833	
77 m-Xylene & p-Xylene	91	16.582	16.582	0.000	98	82329	0.3277	
78 n-Nonane	57	16.980	16.985	-0.005	91	9390	0.0557	
81 o-Xylene	91	17.114	17.115	0.000	98	28944	0.1019	
87 4-Ethyltoluene	105	18.389	18.389	0.005	48	9744	0.0245	a
90 n-Decane	57	18.723	18.728	-0.005	90	21563	0.0891	
92 1,2,4-Trimethylbenzene	105	18.884	18.890	-0.006	98	15766	0.0477	
104 Undecane	57	20.019	20.019	0.000	94	11985	0.0434	
107 Dodecane	57	21.101	21.101	0.000	94	17748	0.0630	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

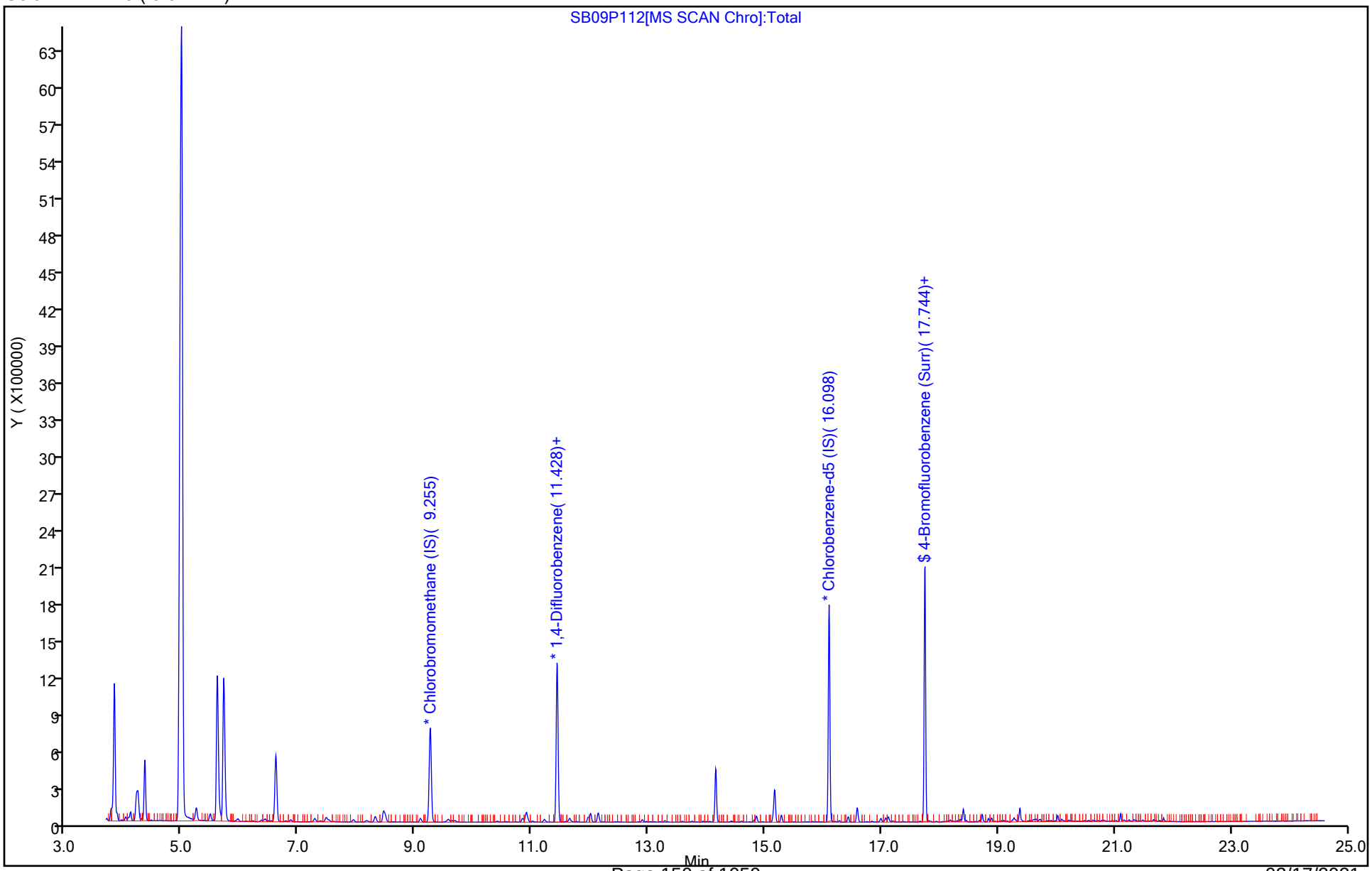
Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D

Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2	Worklist Smp#:	17
Client ID:	GPEC-IA 306				
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)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Lims ID:	140-21885-A-2				
Client ID:	GPEC-IA 306				
Sample Type:	Client				
Inject. Date:	10-Feb-2021 04:08:30	ALS Bottle#:	12	Worklist Smp#:	17
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018147-017				
Misc. Info.:	140-21885-a-2				
Operator ID:	HMT	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	10-Feb-2021 17:13:50	Calib Date:	21-Jan-2021 08:11:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1657				

First Level Reviewer: khachitpongpanits Date: 10-Feb-2021 17:13:50

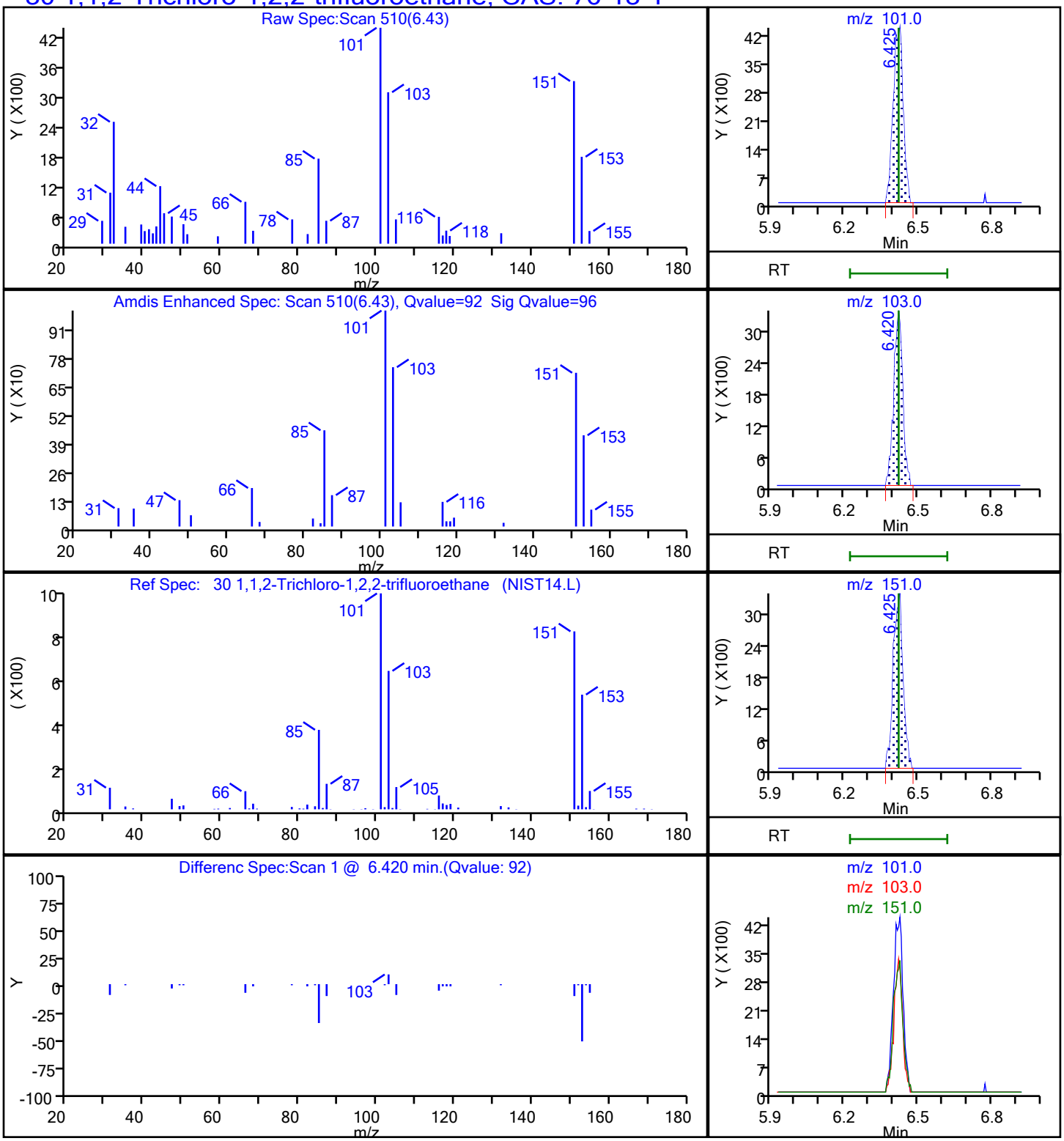
Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.48	96.62

Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

30 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



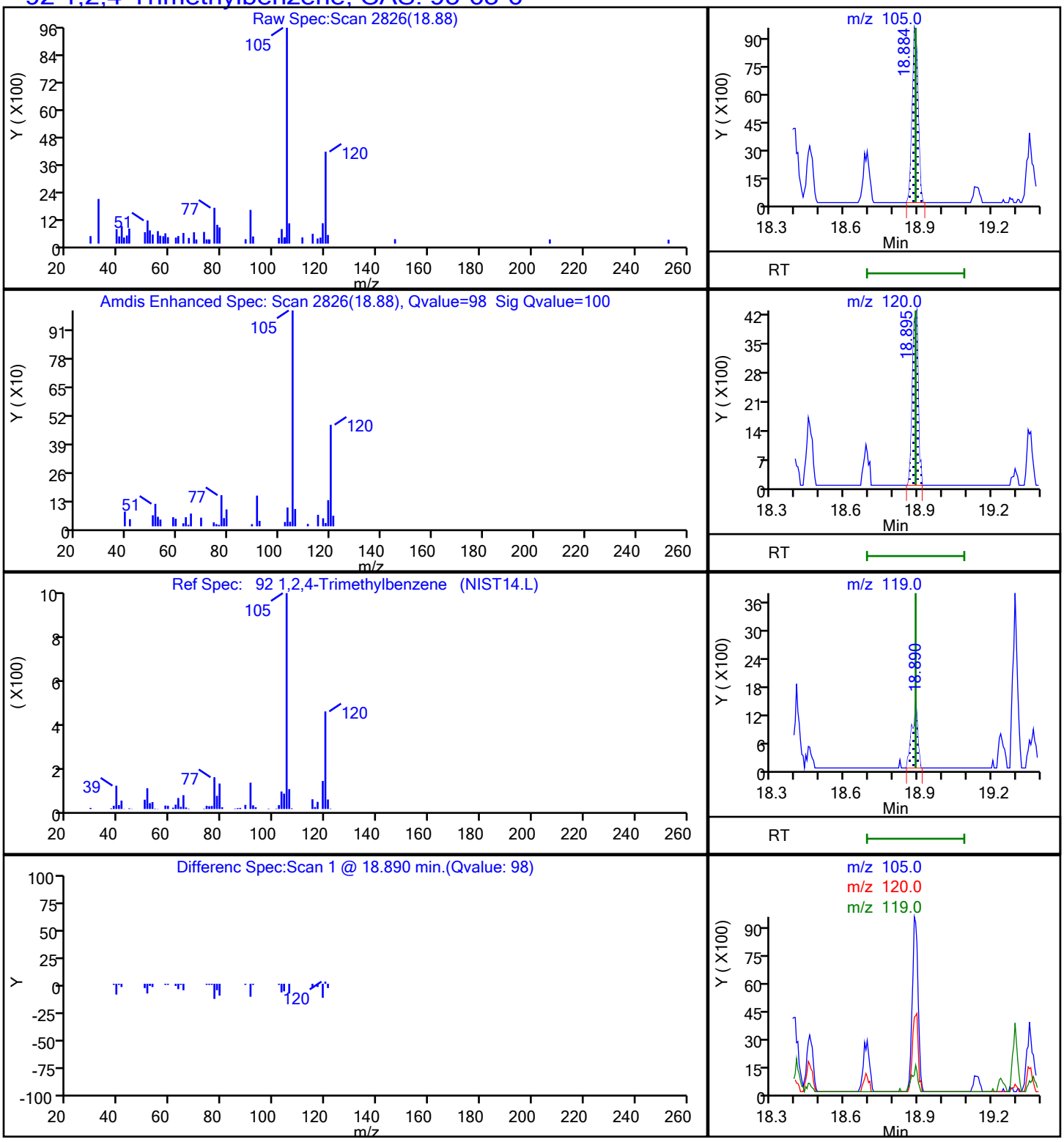
Report Date: 10-Feb-2021 17:13:52 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D

Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

92 1,2,4-Trimethylbenzene, CAS: 95-63-6



Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D

Injection Date: 10-Feb-2021 04:08:30 Instrument ID: MS

Lims ID: 140-21885-A-2 Lab Sample ID: 140-21885-2

Client ID: GPEC-IA 306

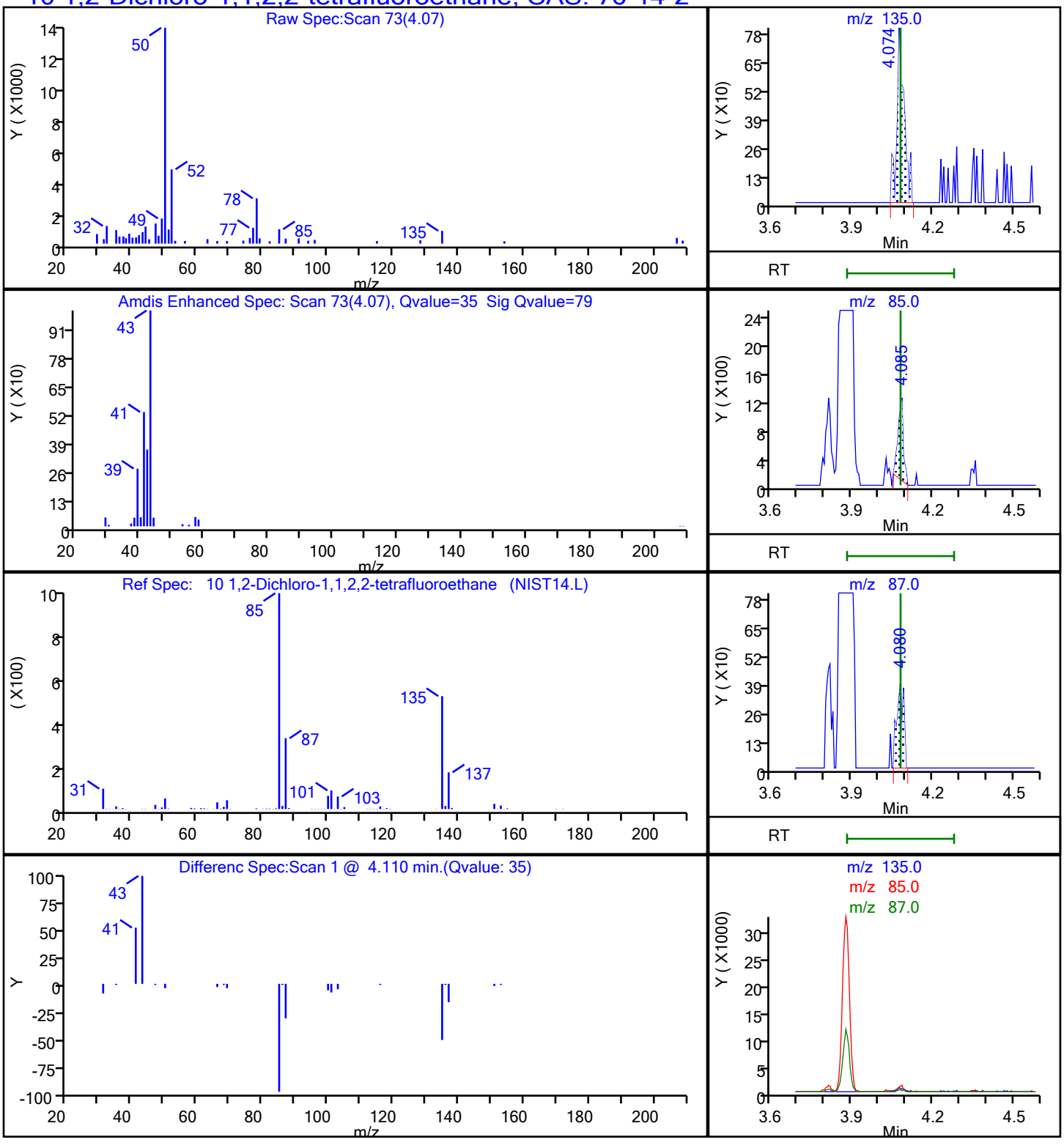
Operator ID: HMT ALS Bottle#: 12 Worklist Smp#: 17

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

10 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2

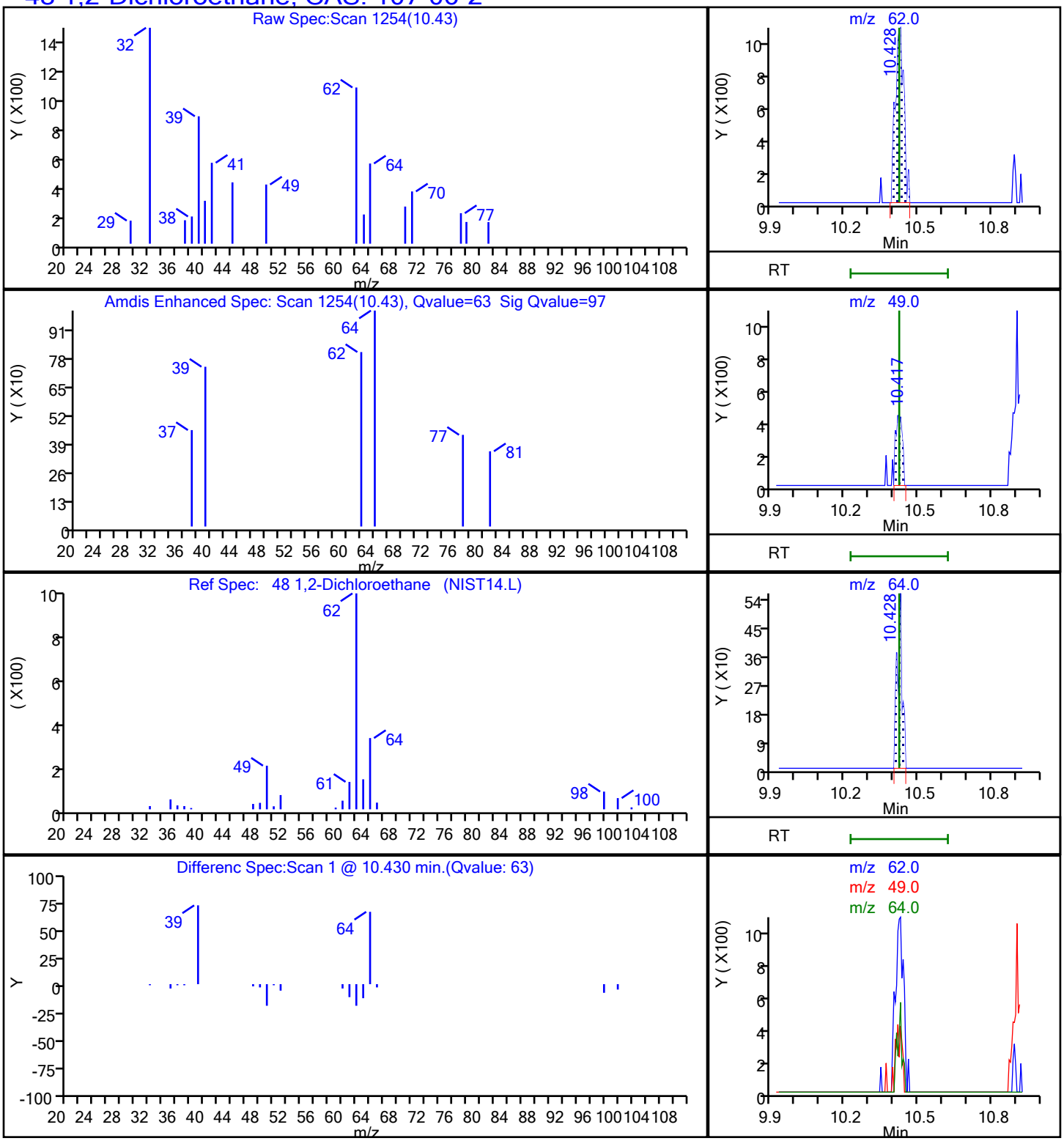


Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

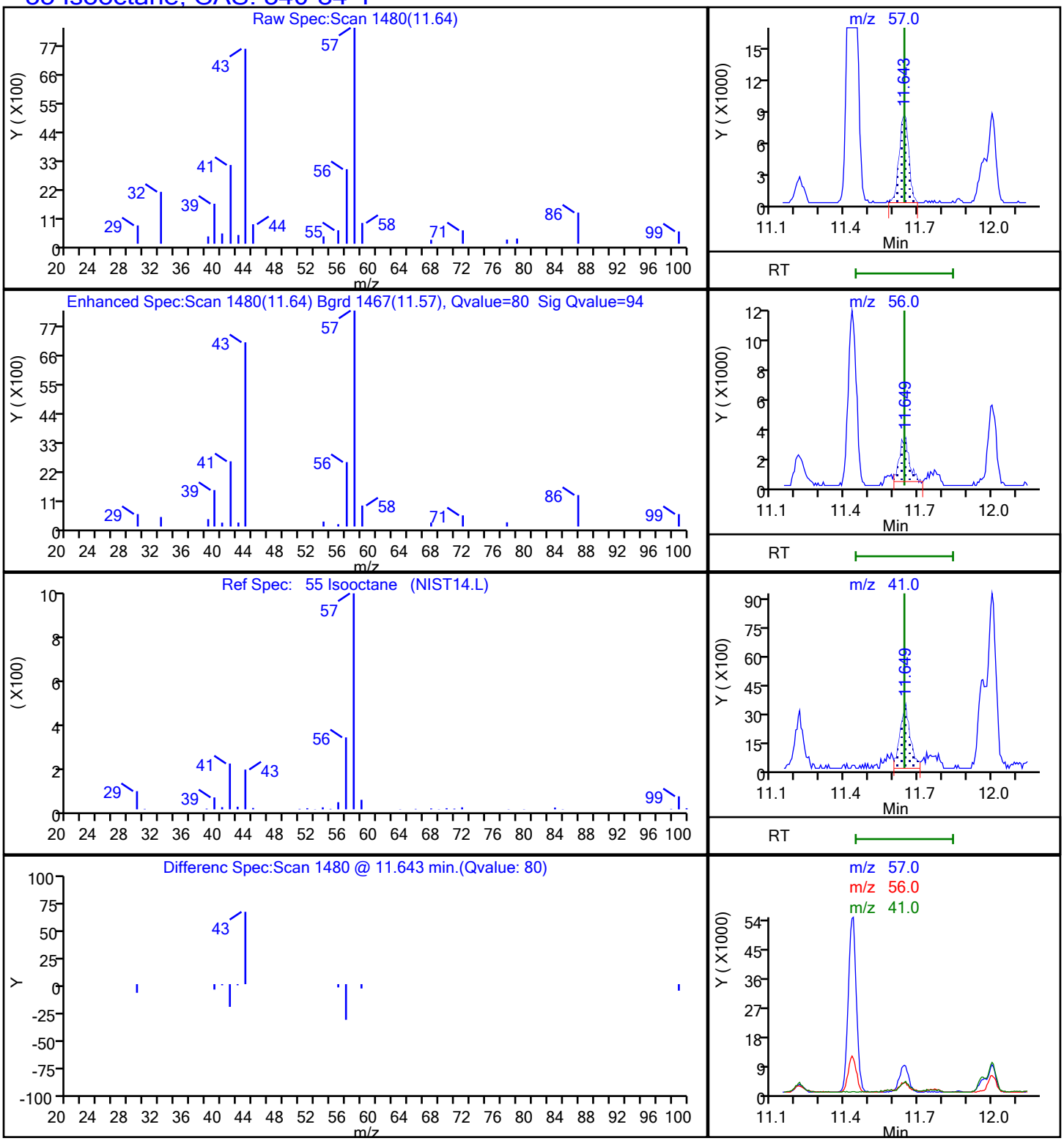
48 1,2-Dichloroethane, CAS: 107-06-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D		
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2
Client ID:	GPEC-IA 306		
Operator ID:	HMT	ALS Bottle#:	12 Worklist Smp#: 17
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

55 Isooctane, CAS: 540-84-1

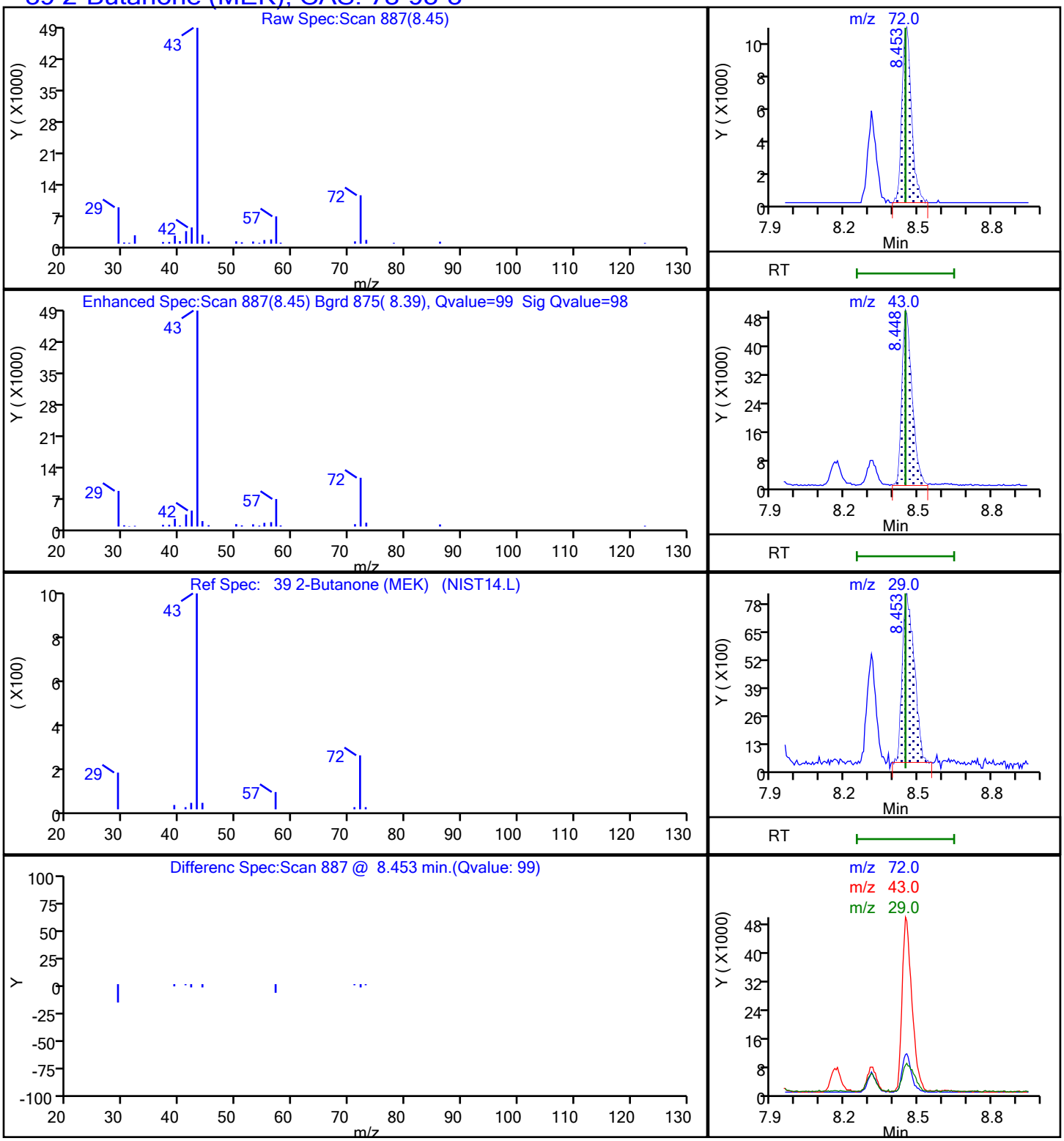


Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

39 2-Butanone (MEK), CAS: 78-93-3



Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D

Injection Date: 10-Feb-2021 04:08:30 Instrument ID: MS

Lims ID: 140-21885-A-2 Lab Sample ID: 140-21885-2

Client ID: GPEC-IA 306

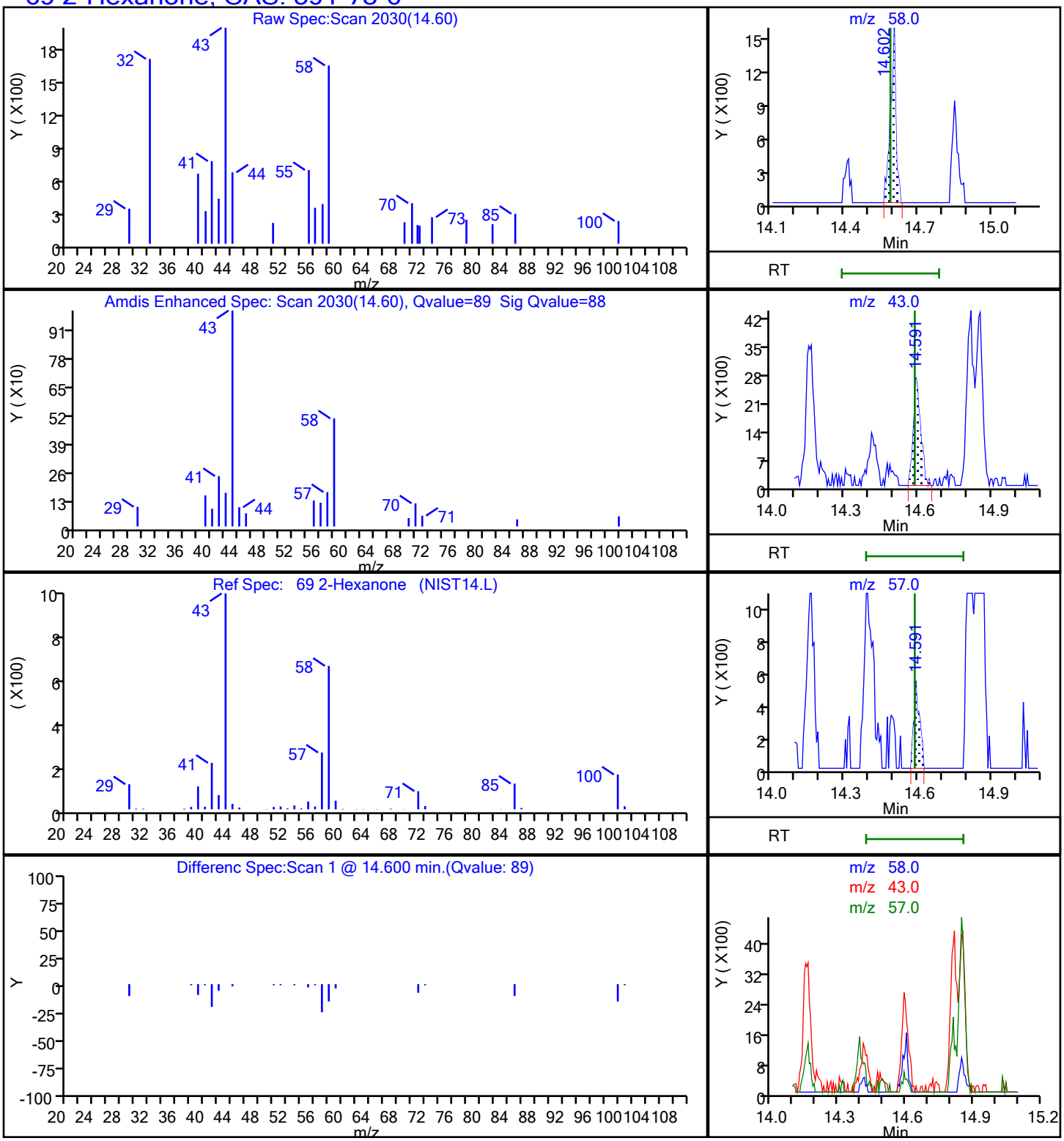
Operator ID: HMT ALS Bottle#: 12 Worklist Smp#: 17

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

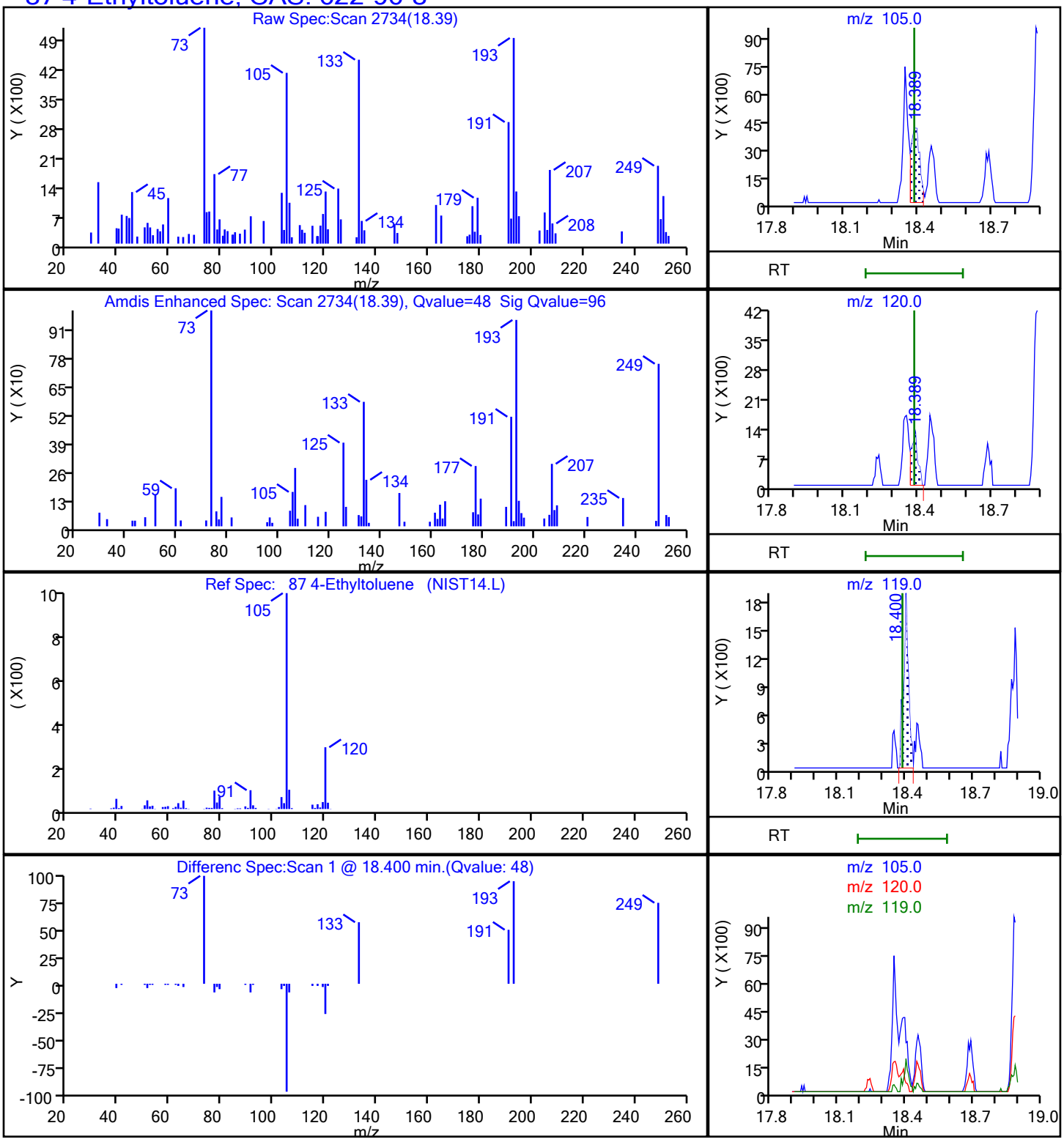
69 2-Hexanone, CAS: 591-78-6



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D		
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2
Client ID:	GPEC-IA 306		
Operator ID:	HMT	ALS Bottle#:	12 Worklist Smp#: 17
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

87 4-Ethyltoluene, CAS: 622-96-8

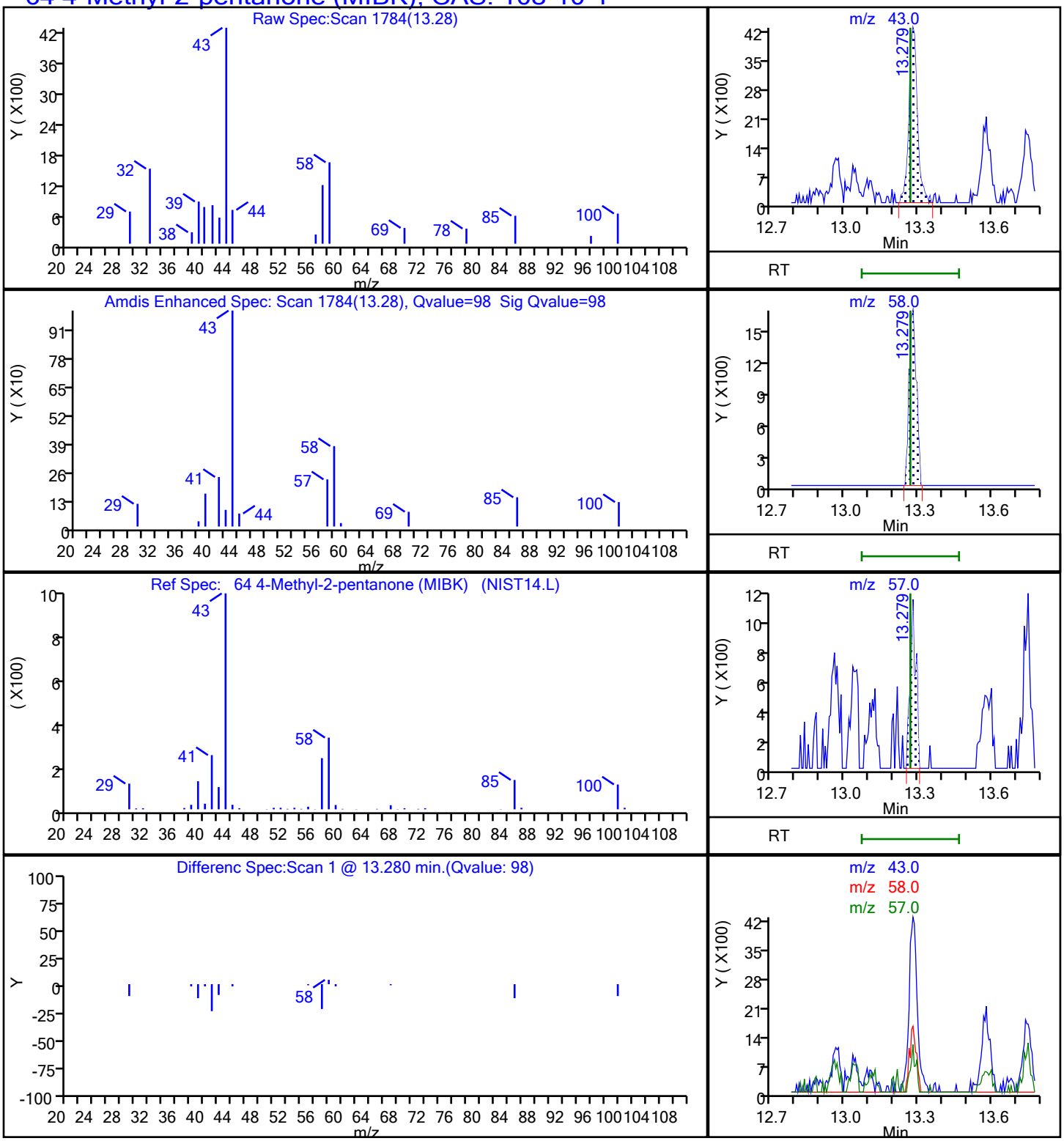


Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

64 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1



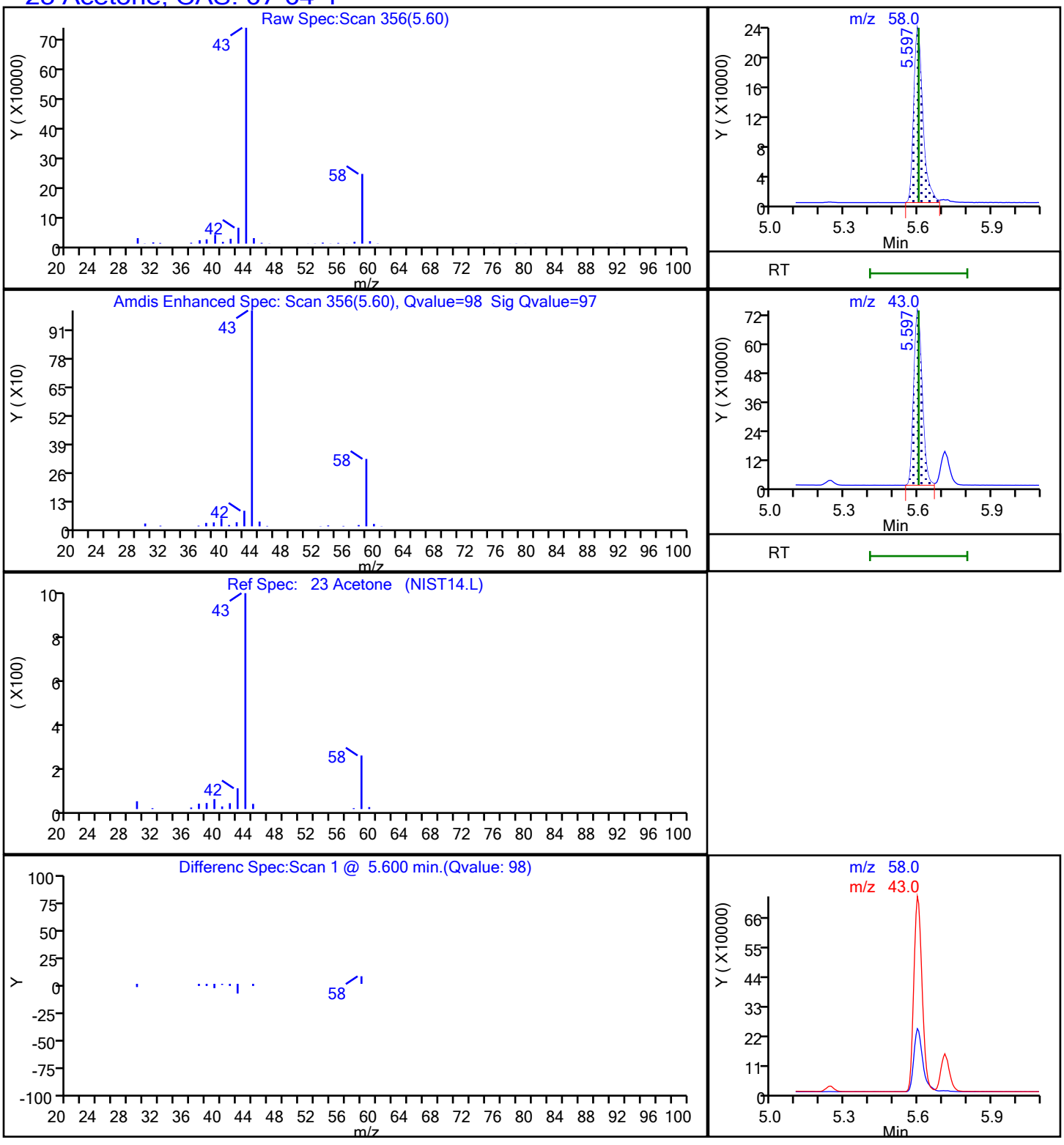
Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D

Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

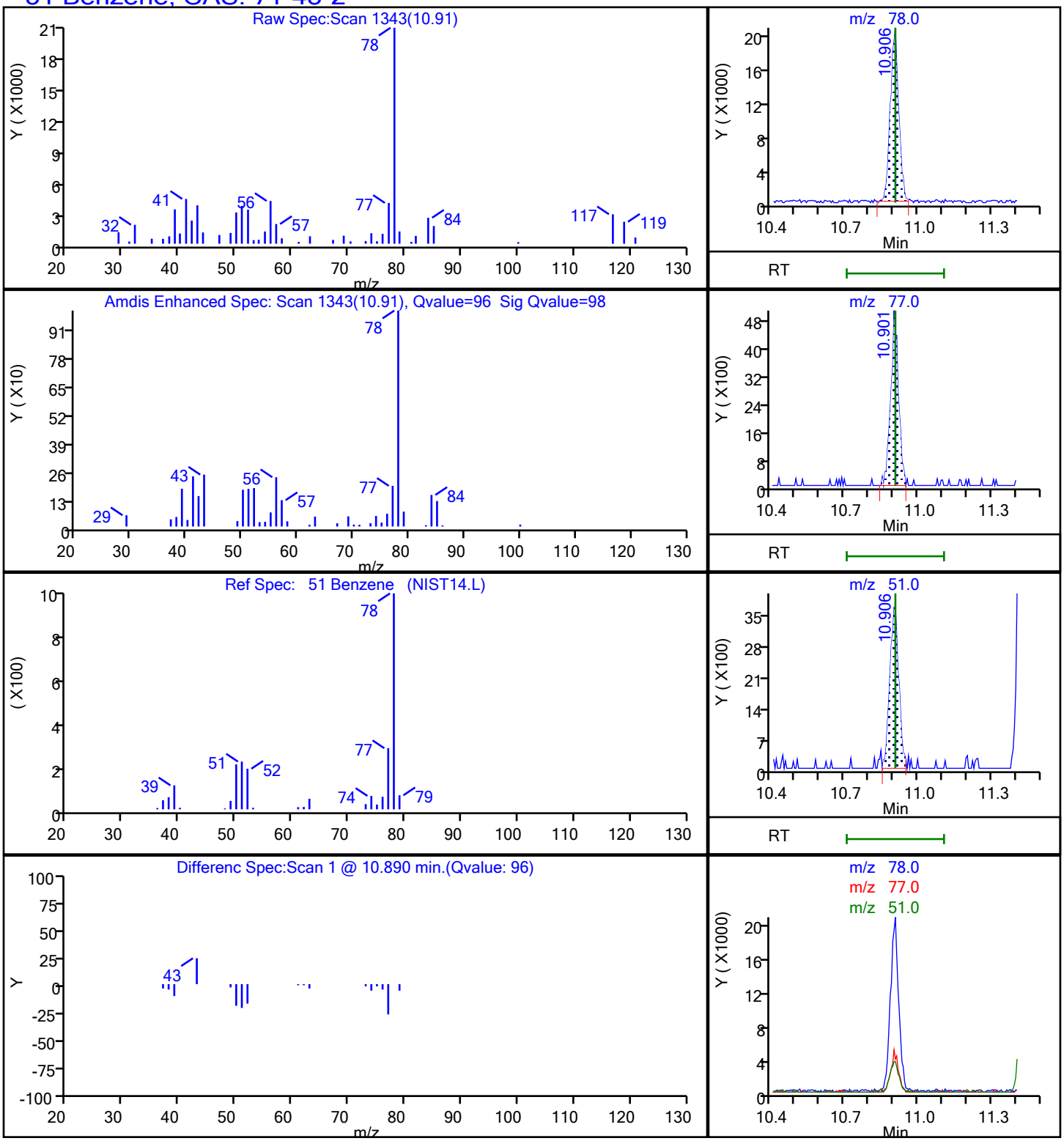
23 Acetone, CAS: 67-64-1



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D		
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2
Client ID:	GPEC-IA 306		
Operator ID:	HMT	ALS Bottle#:	12 Worklist Smp#: 17
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

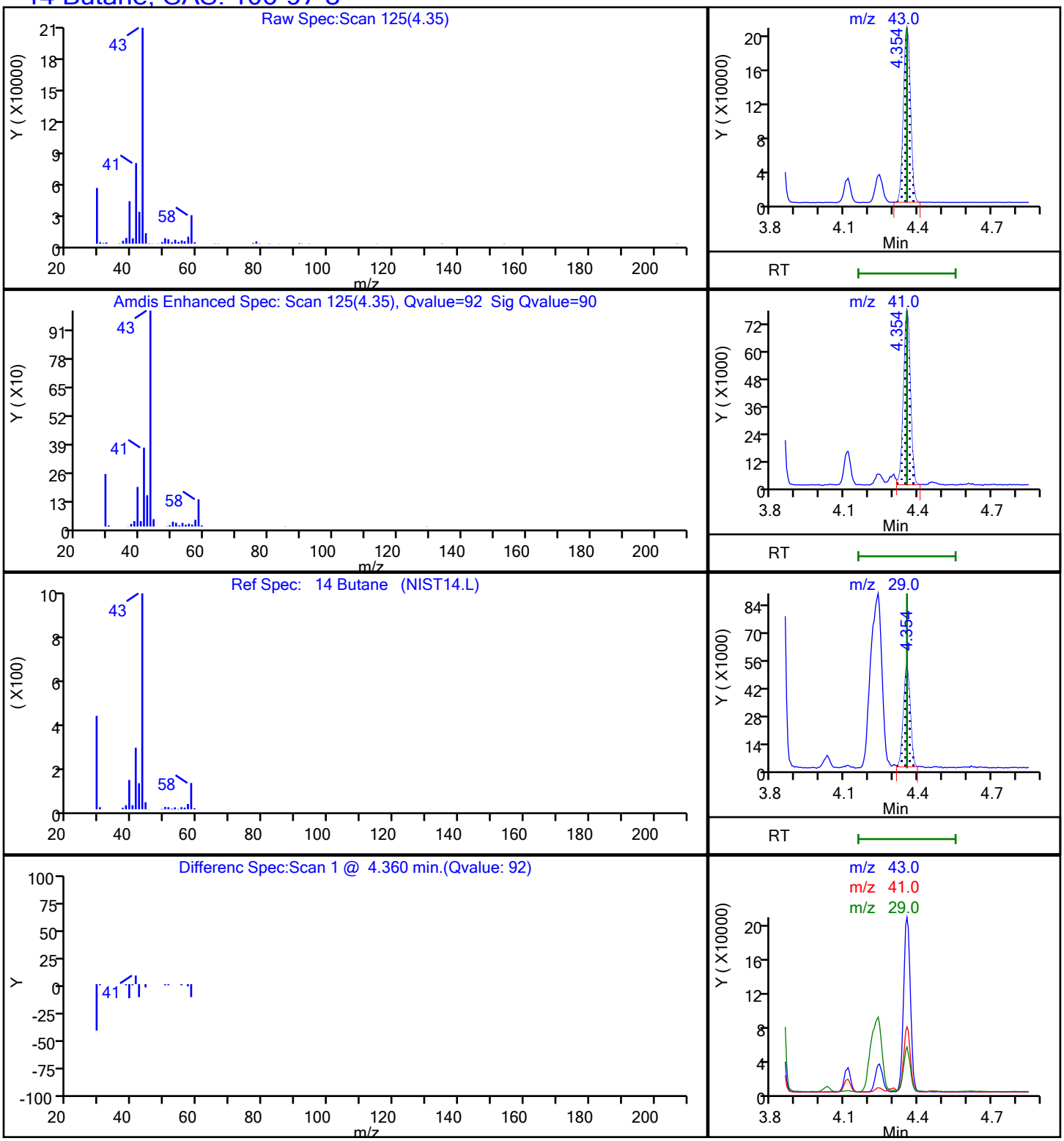
51 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D		
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2
Client ID:	GPEC-IA 306		
Operator ID:	HMT	ALS Bottle#:	12 Worklist Smp#: 17
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

14 Butane, CAS: 106-97-8

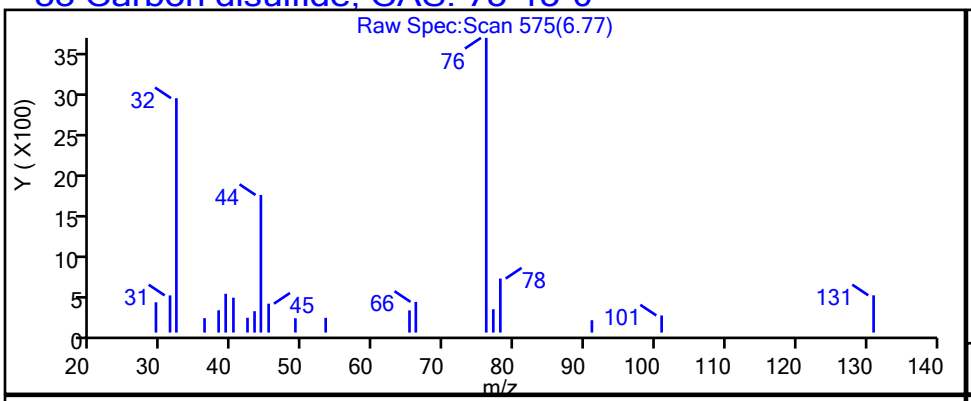


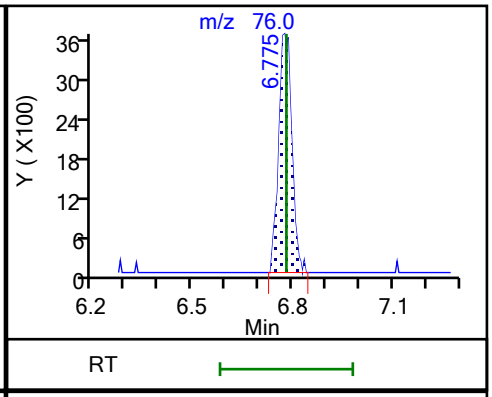
Eurofins TestAmerica, Knoxville

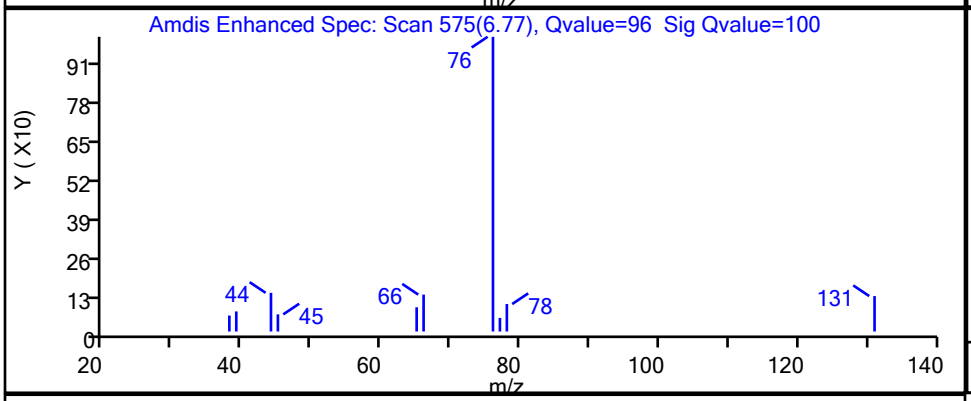
Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D

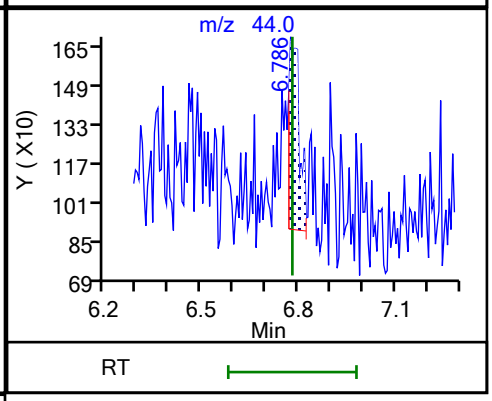
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2
Client ID:	GPEC-IA 306		
Operator ID:	HMT	ALS Bottle#:	12 Worklist Smp#: 17
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

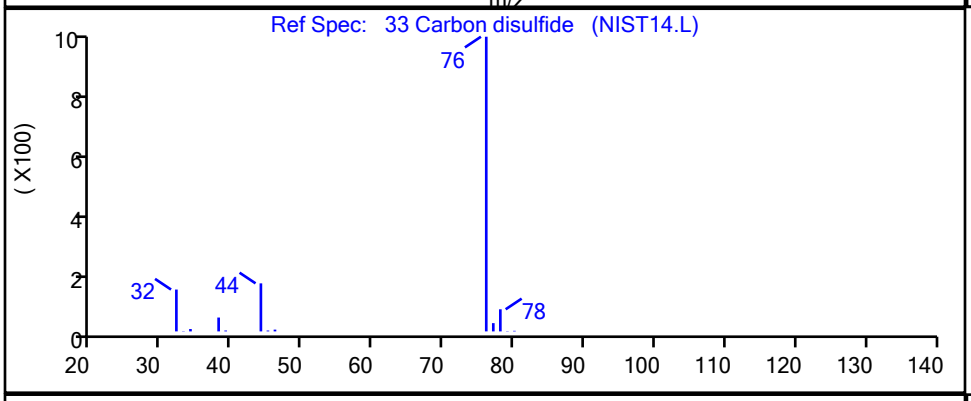
33 Carbon disulfide, CAS: 75-15-0

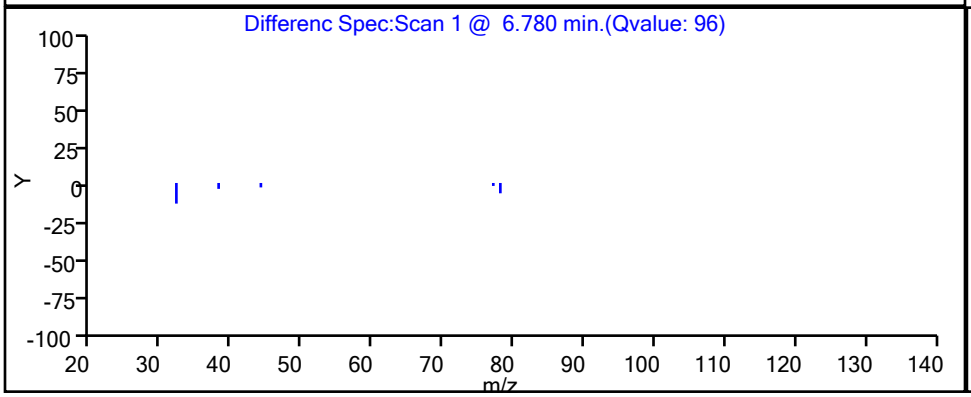


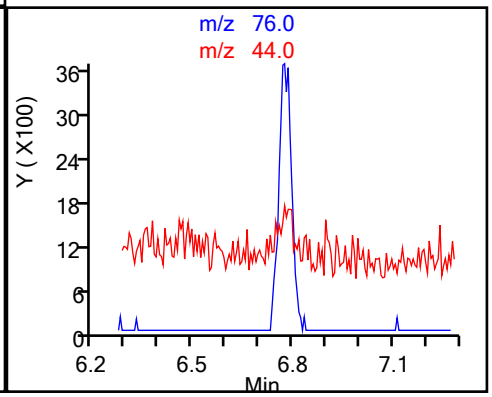












Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D

Injection Date: 10-Feb-2021 04:08:30 Instrument ID: MS

Lims ID: 140-21885-A-2 Lab Sample ID: 140-21885-2

Client ID: GPEC-IA 306

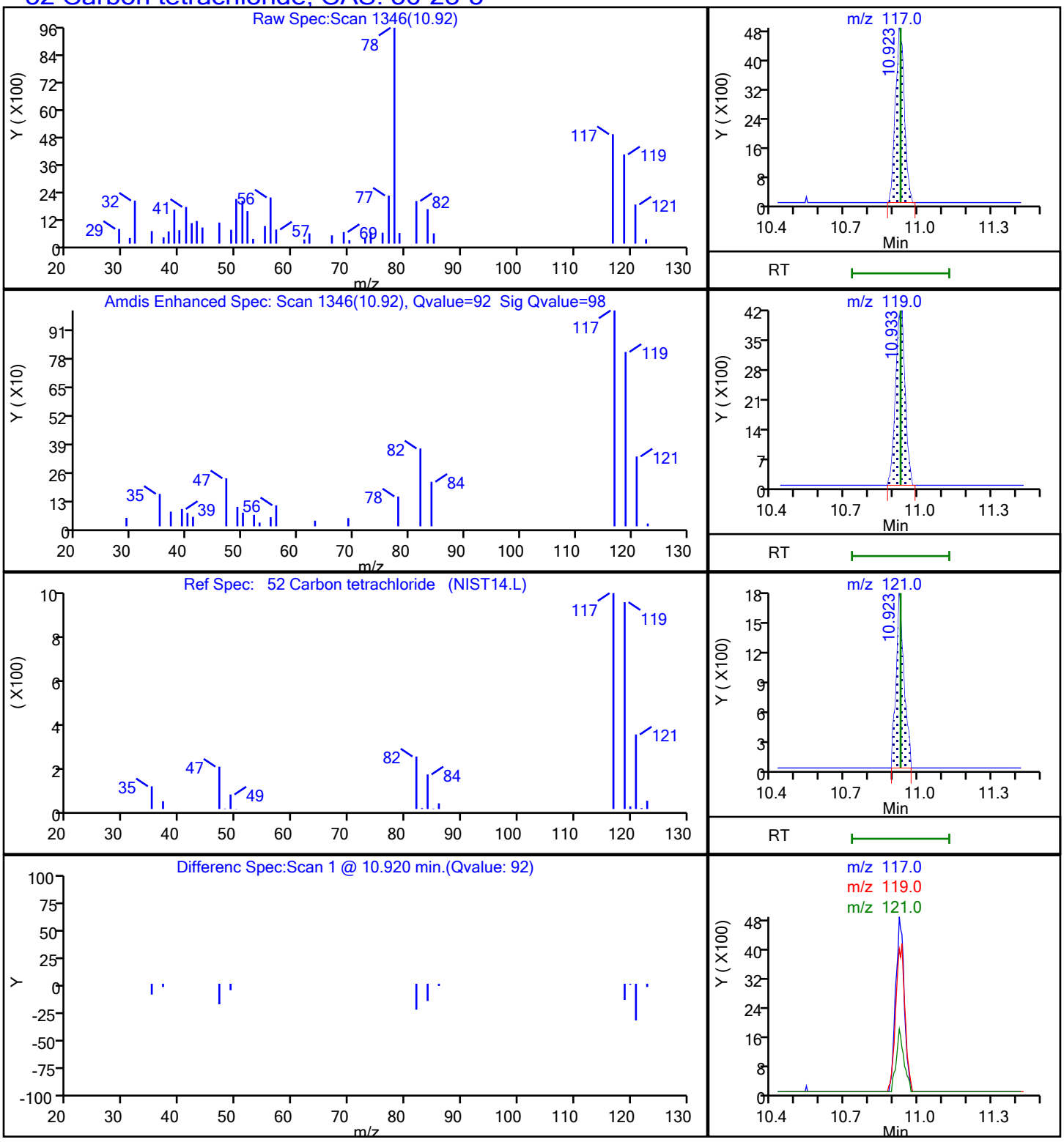
Operator ID: HMT ALS Bottle#: 12 Worklist Smp#: 17

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

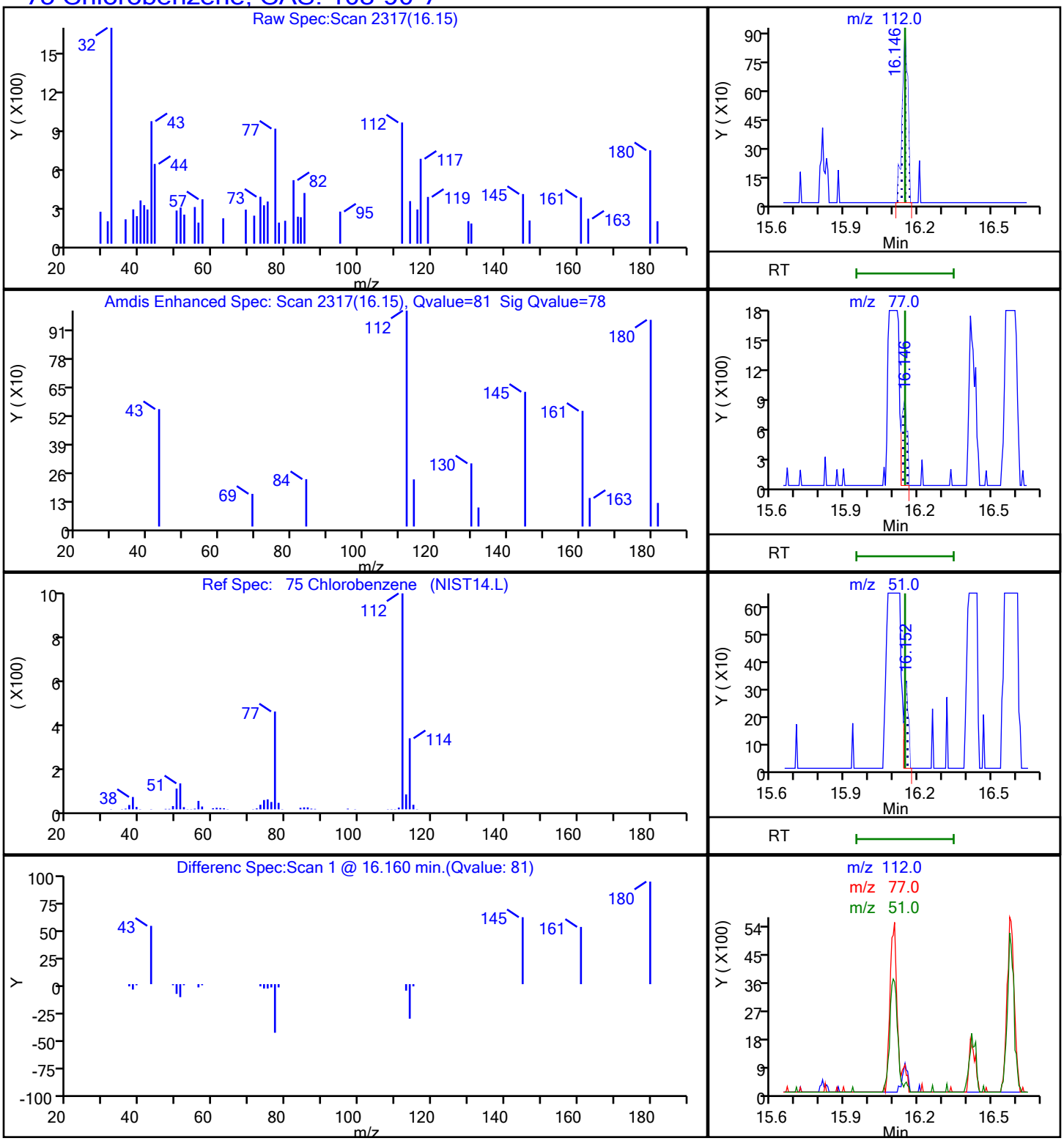
52 Carbon tetrachloride, CAS: 56-23-5



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

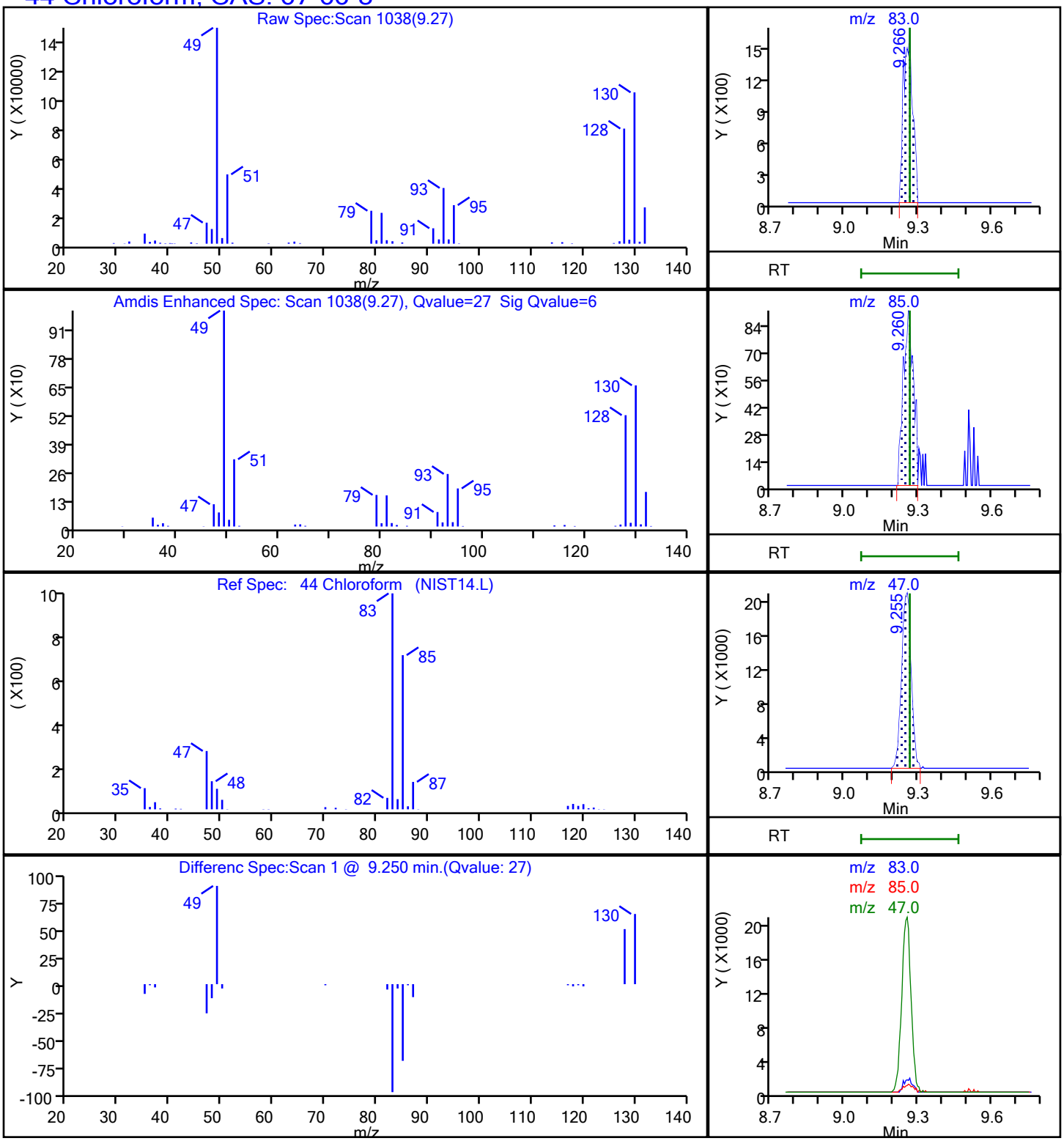
75 Chlorobenzene, CAS: 108-90-7



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D		
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2
Client ID:	GPEC-IA 306		
Operator ID:	HMT	ALS Bottle#:	12 Worklist Smp#: 17
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

44 Chloroform, CAS: 67-66-3



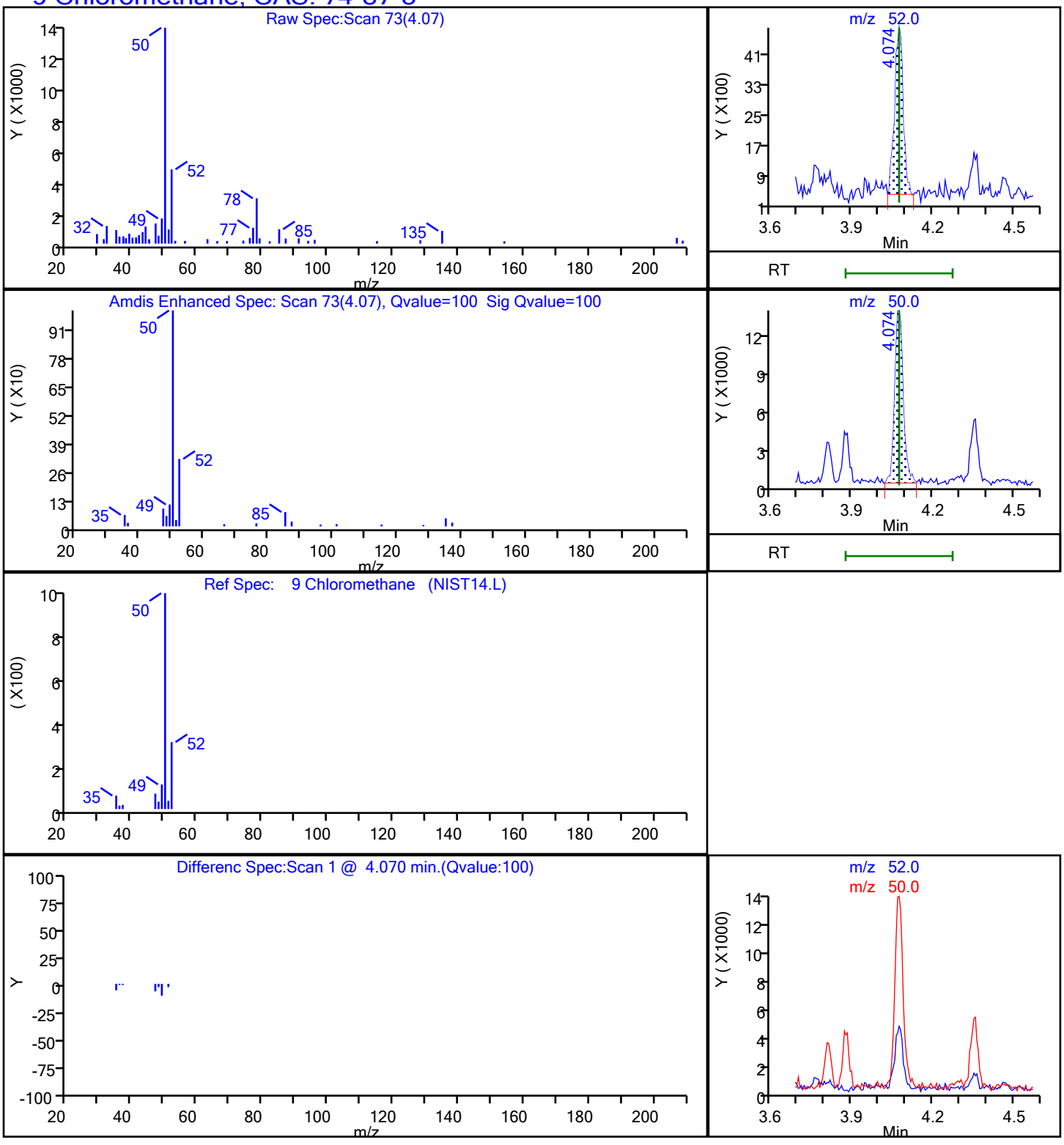
Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D

Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

9 Chloromethane, CAS: 74-87-3



Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D

Injection Date: 10-Feb-2021 04:08:30 Instrument ID: MS

Lims ID: 140-21885-A-2 Lab Sample ID: 140-21885-2

Client ID: GPEC-IA 306

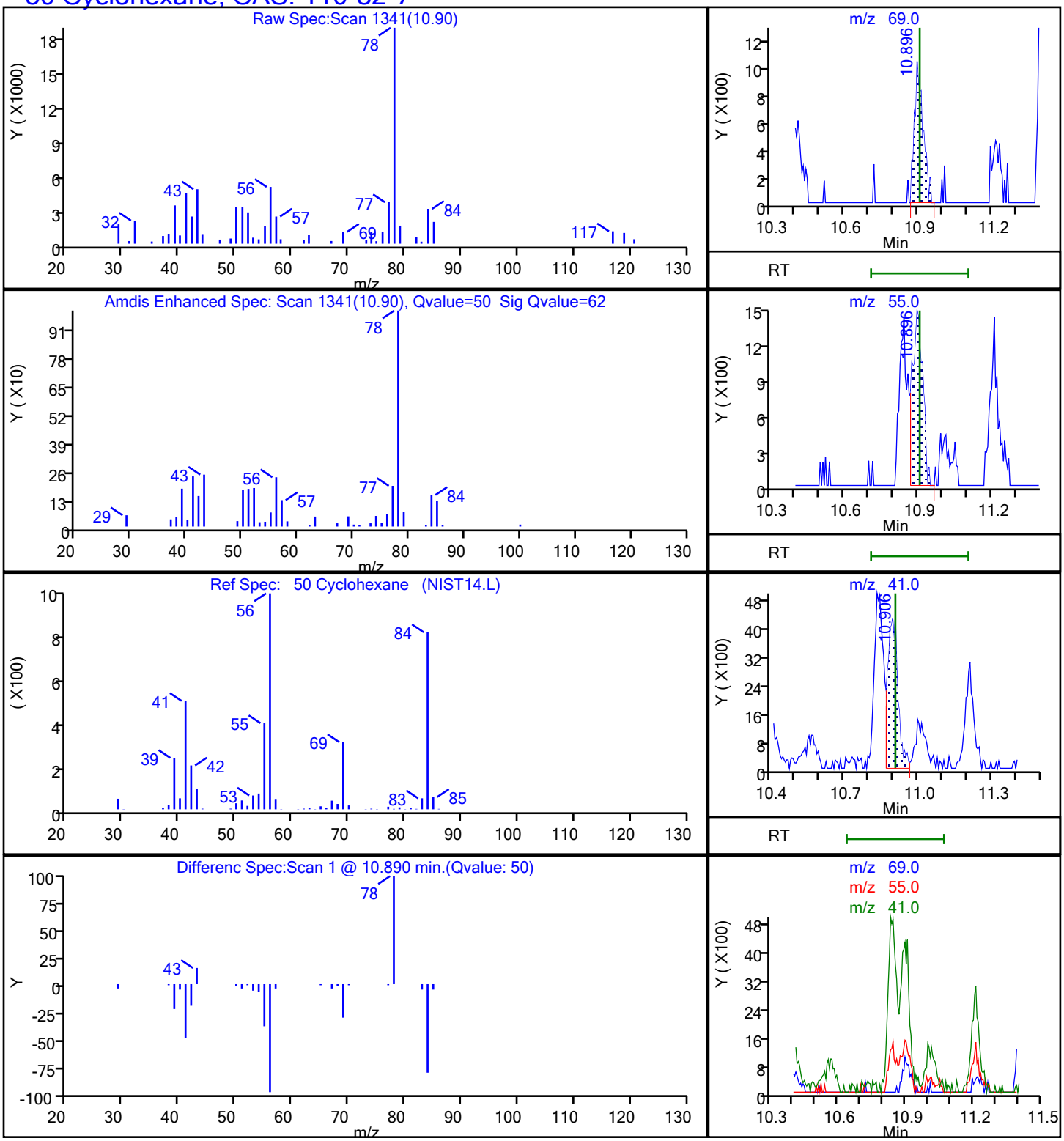
Operator ID: HMT ALS Bottle#: 12 Worklist Smp#: 17

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

50 Cyclohexane, CAS: 110-82-7

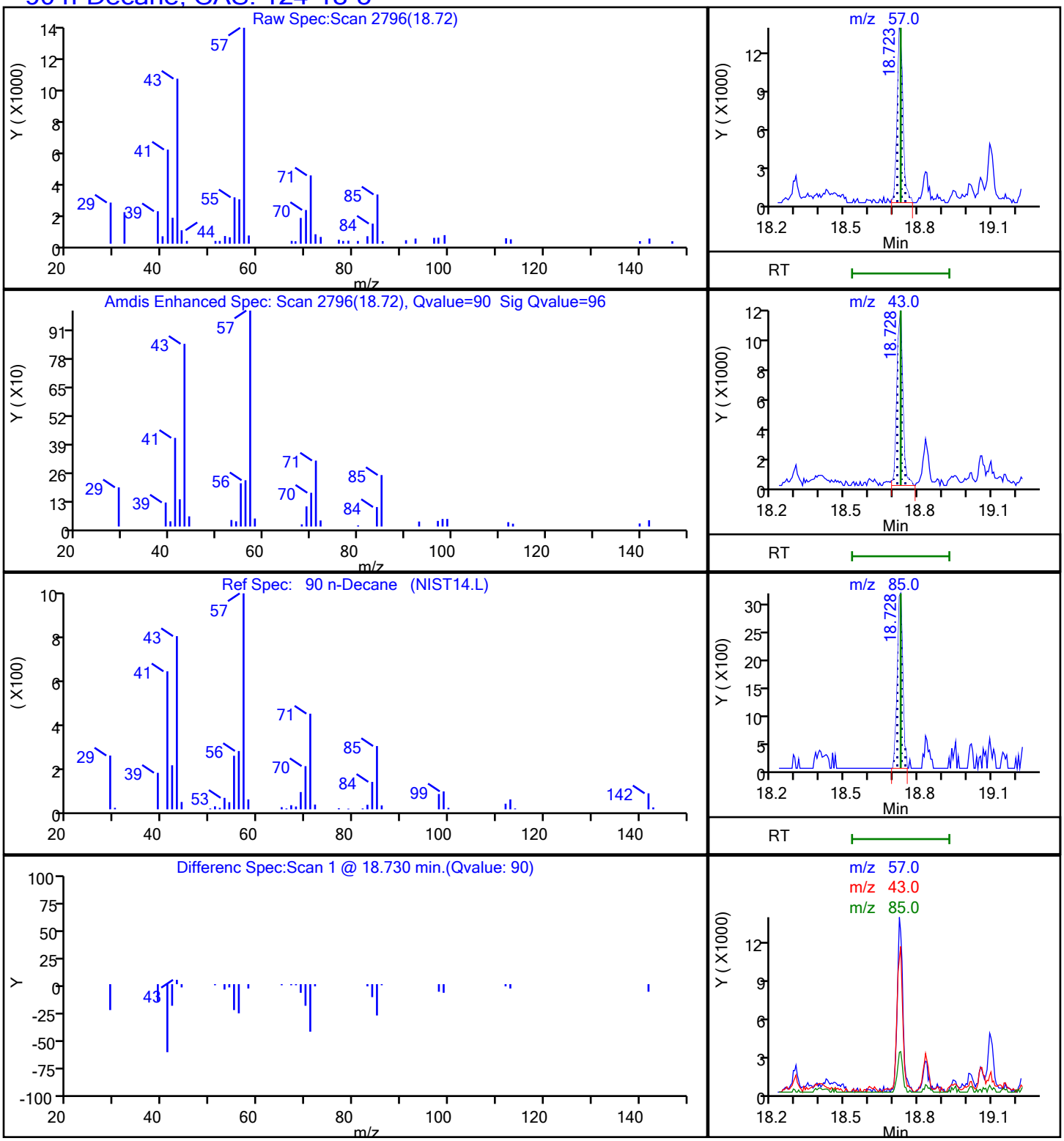


Report Date: 10-Feb-2021 17:13:52 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D		
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2
Client ID:	GPEC-IA 306		
Operator ID:	HMT	ALS Bottle#:	12 Worklist Smp#: 17
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

90 n-Decane, CAS: 124-18-5



Eurofins TestAmerica, Knoxville

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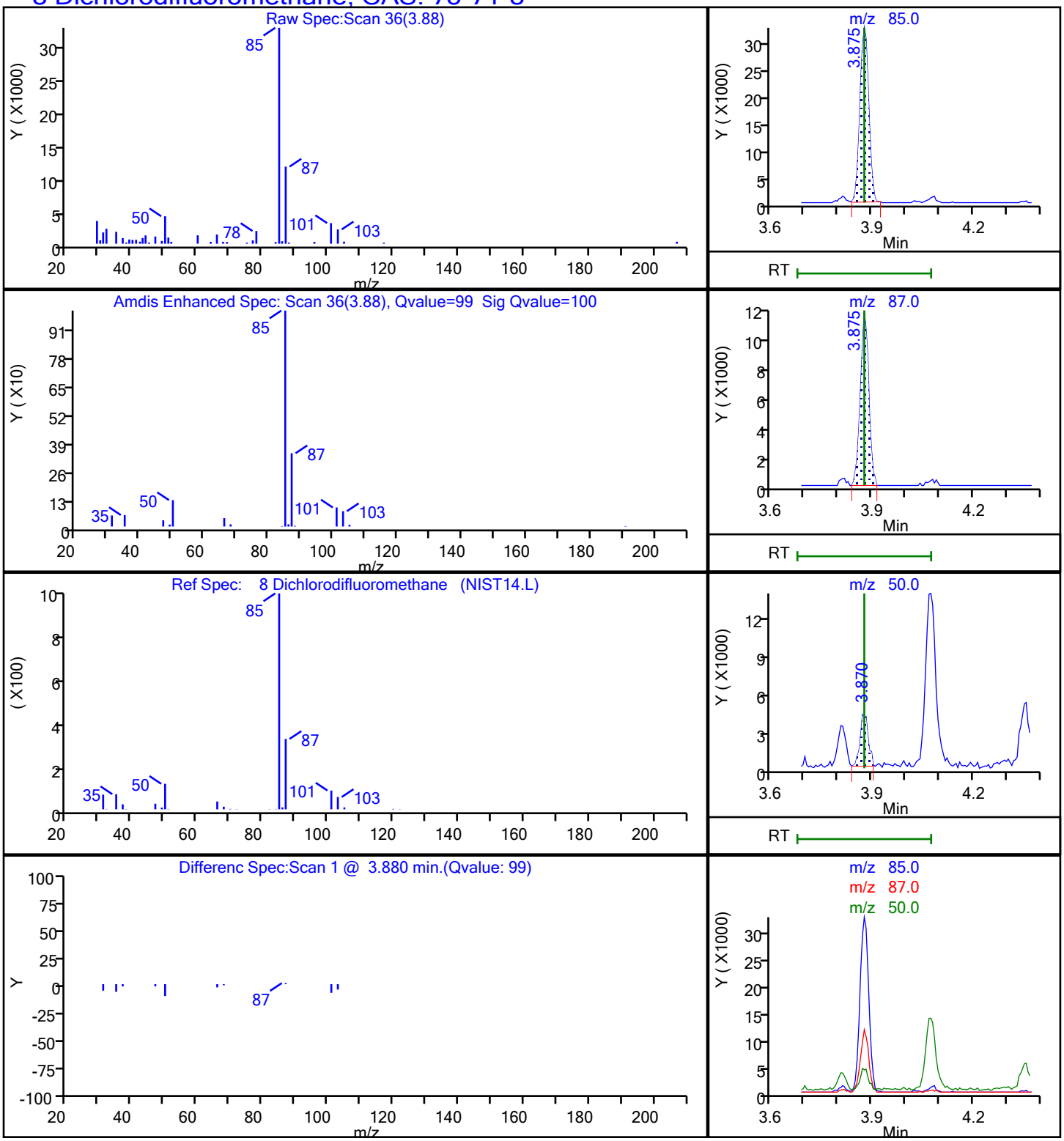
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

8 Dichlorodifluoromethane, CAS: 75-71-8



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D

Injection Date: 10-Feb-2021 04:08:30 Instrument ID: MS

Lims ID: 140-21885-A-2 Lab Sample ID: 140-21885-2

Client ID: GPEC-IA 306

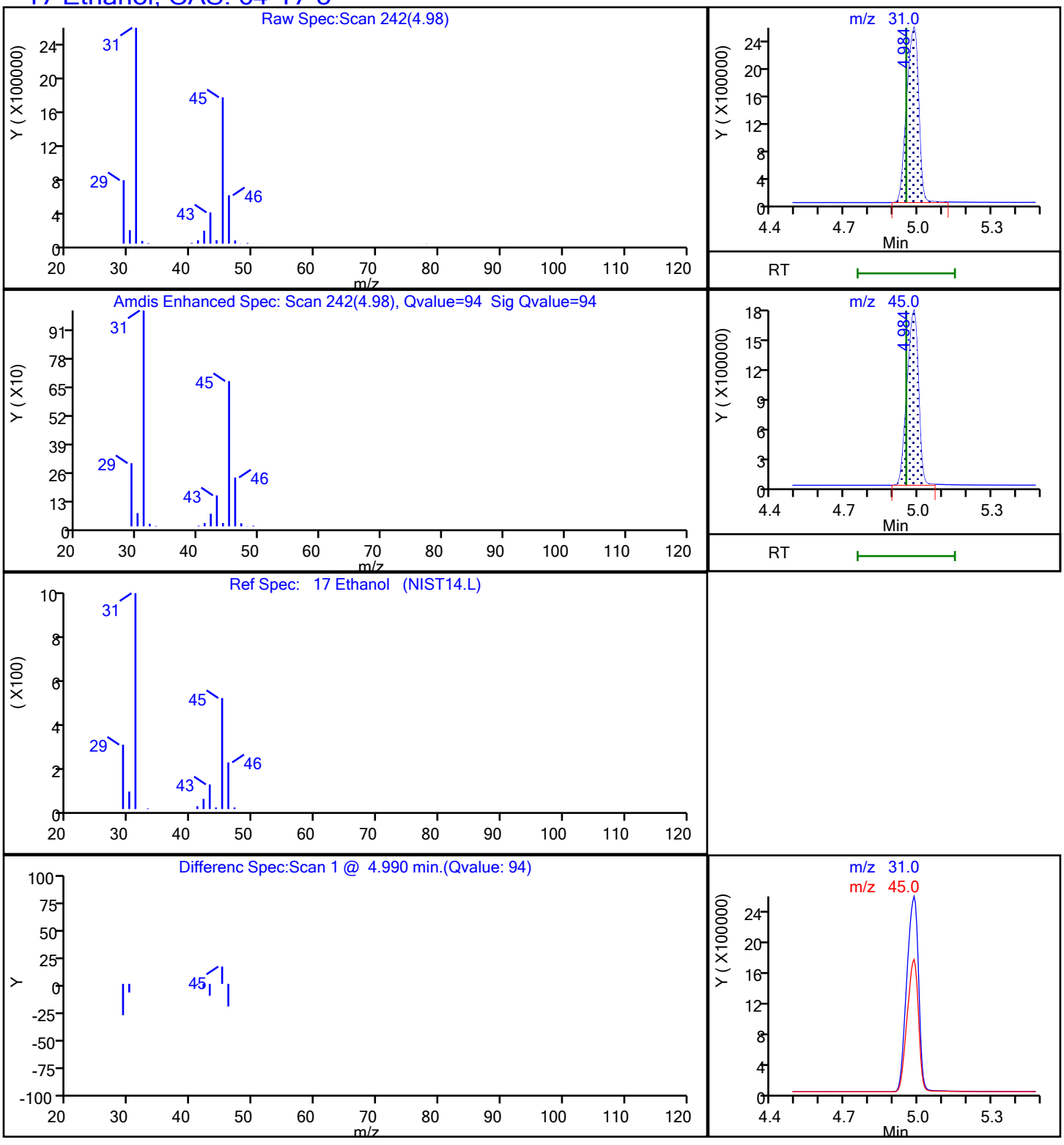
Operator ID: HMT ALS Bottle#: 12 Worklist Smp#: 17

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

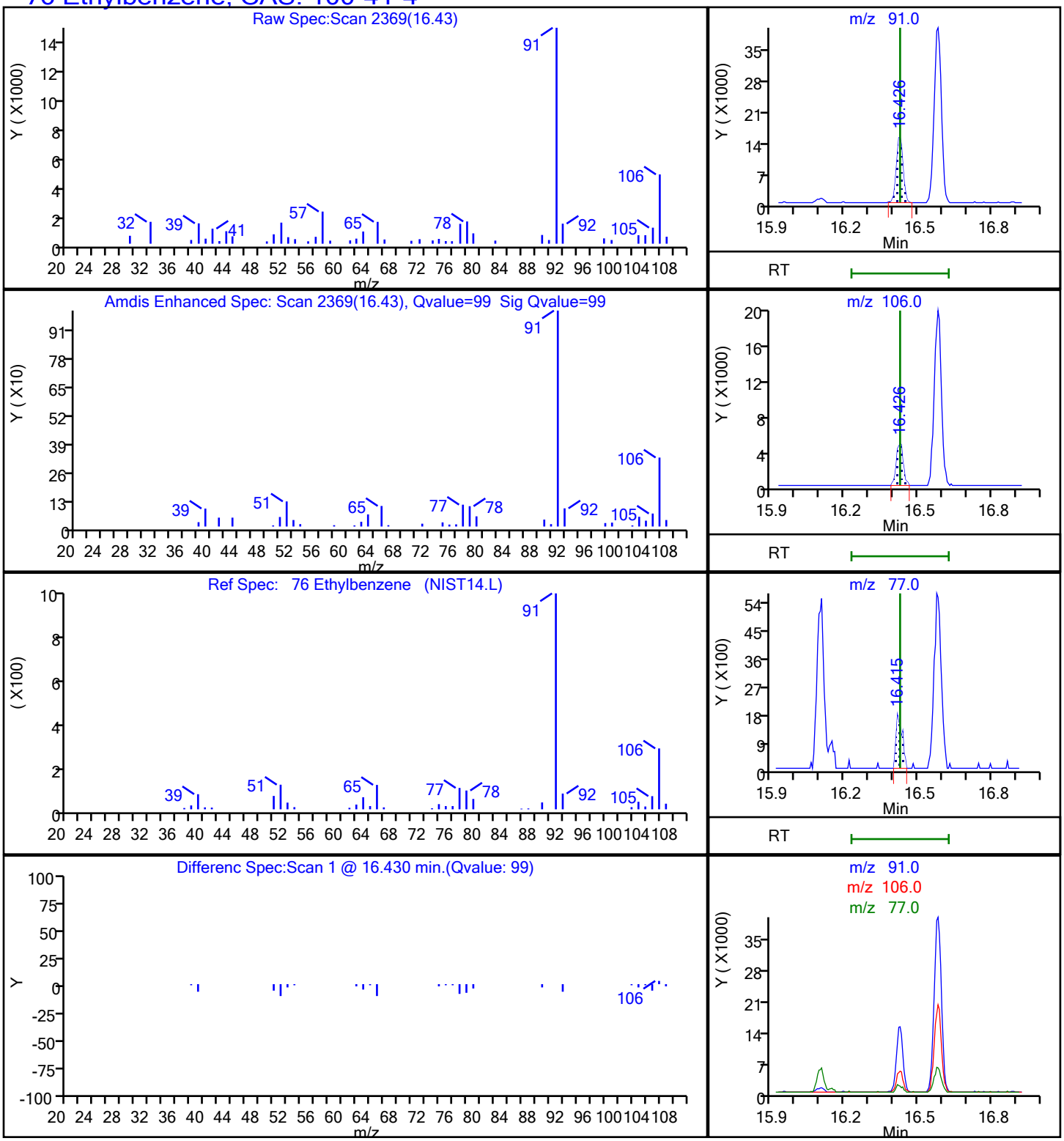
17 Ethanol, CAS: 64-17-5



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D		
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2
Client ID:	GPEC-IA 306		
Operator ID:	HMT	ALS Bottle#:	12 Worklist Smp#: 17
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

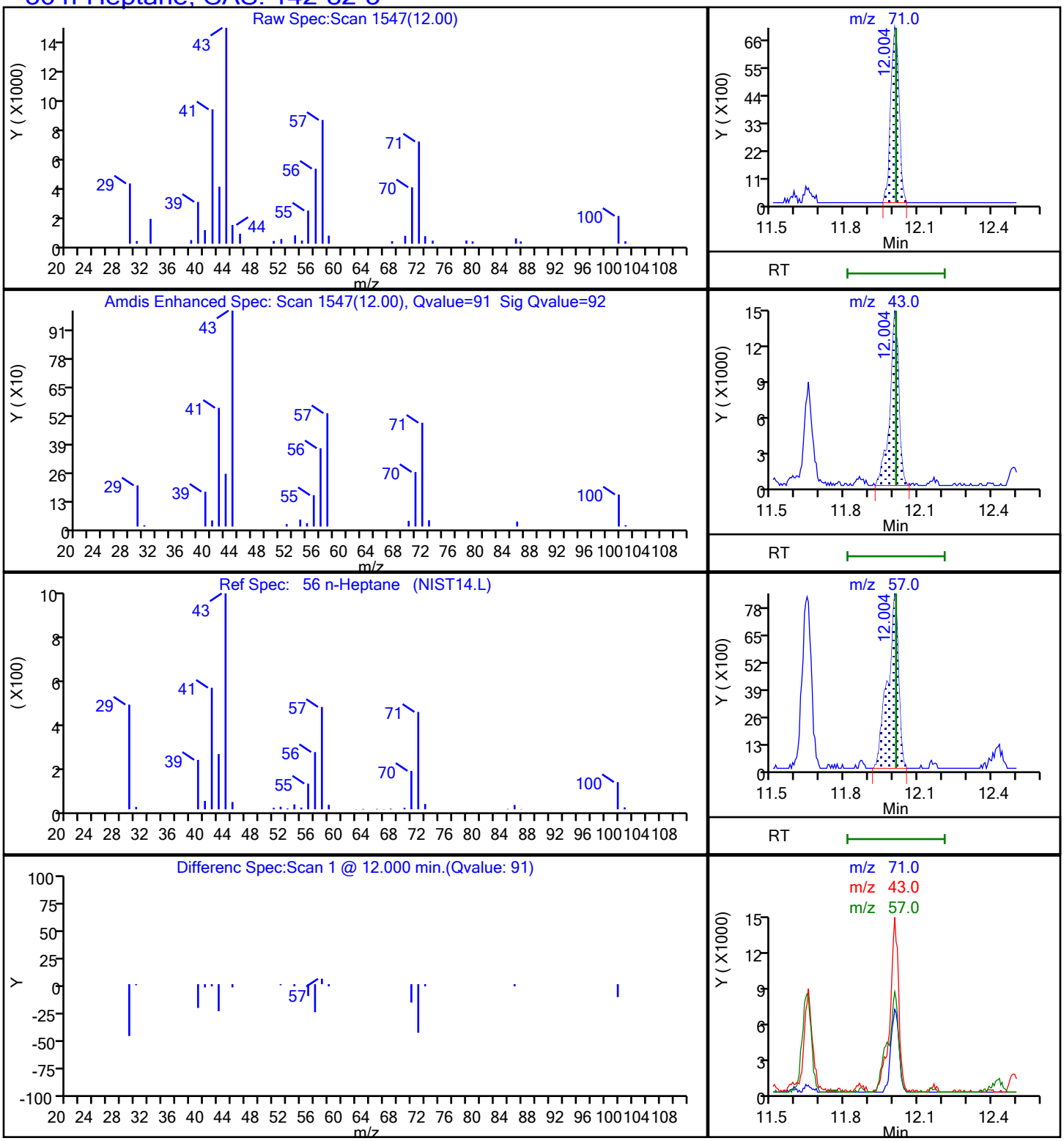
76 Ethylbenzene, CAS: 100-41-4



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D		
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2
Client ID:	GPEC-IA 306		
Operator ID:	HMT	ALS Bottle#:	12 Worklist Smp#: 17
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

56 n-Heptane, CAS: 142-82-5

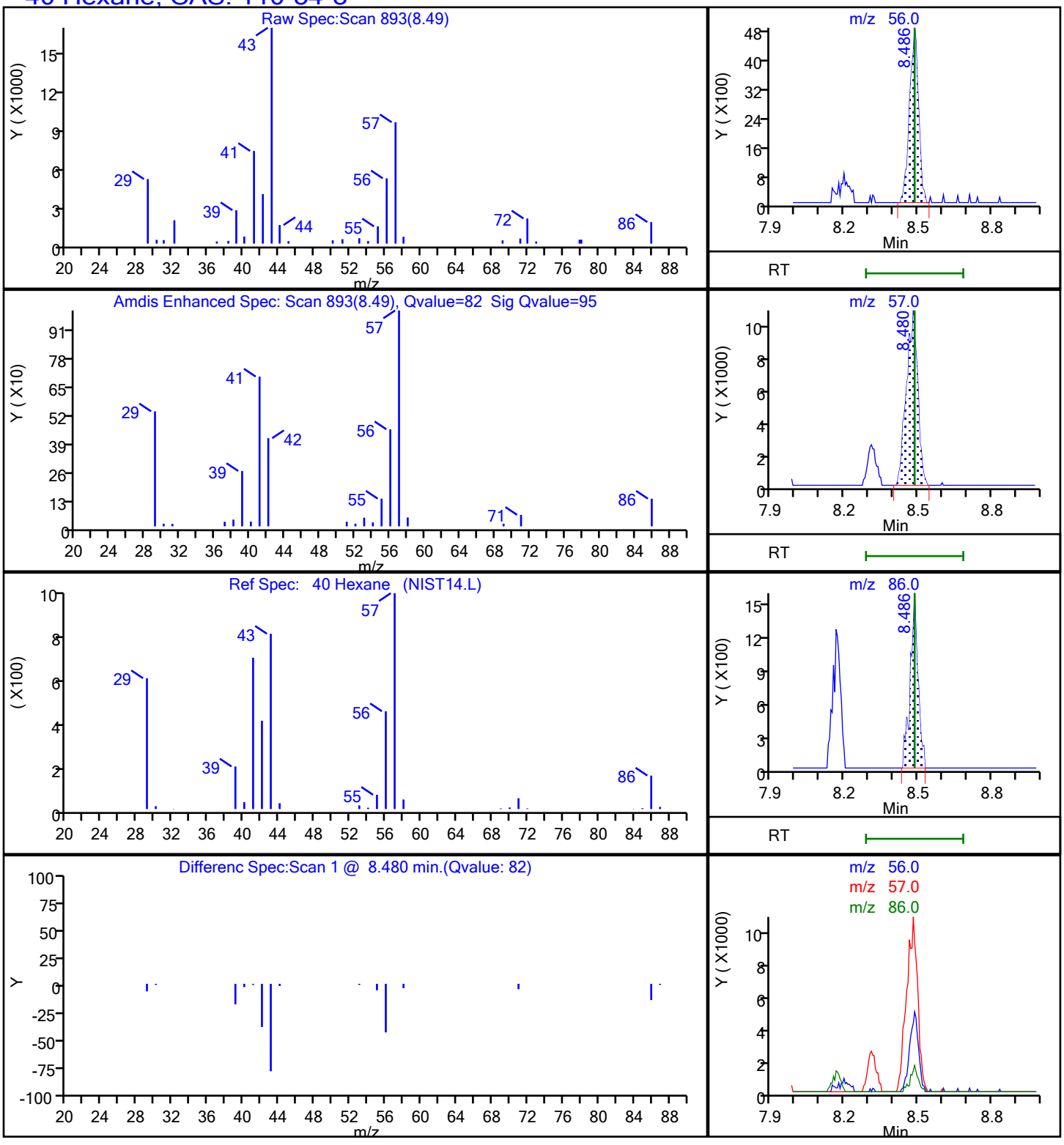


Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

40 Hexane, CAS: 110-54-3



Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D

Injection Date: 10-Feb-2021 04:08:30 Instrument ID: MS

Lims ID: 140-21885-A-2 Lab Sample ID: 140-21885-2

Client ID: GPEC-IA 306

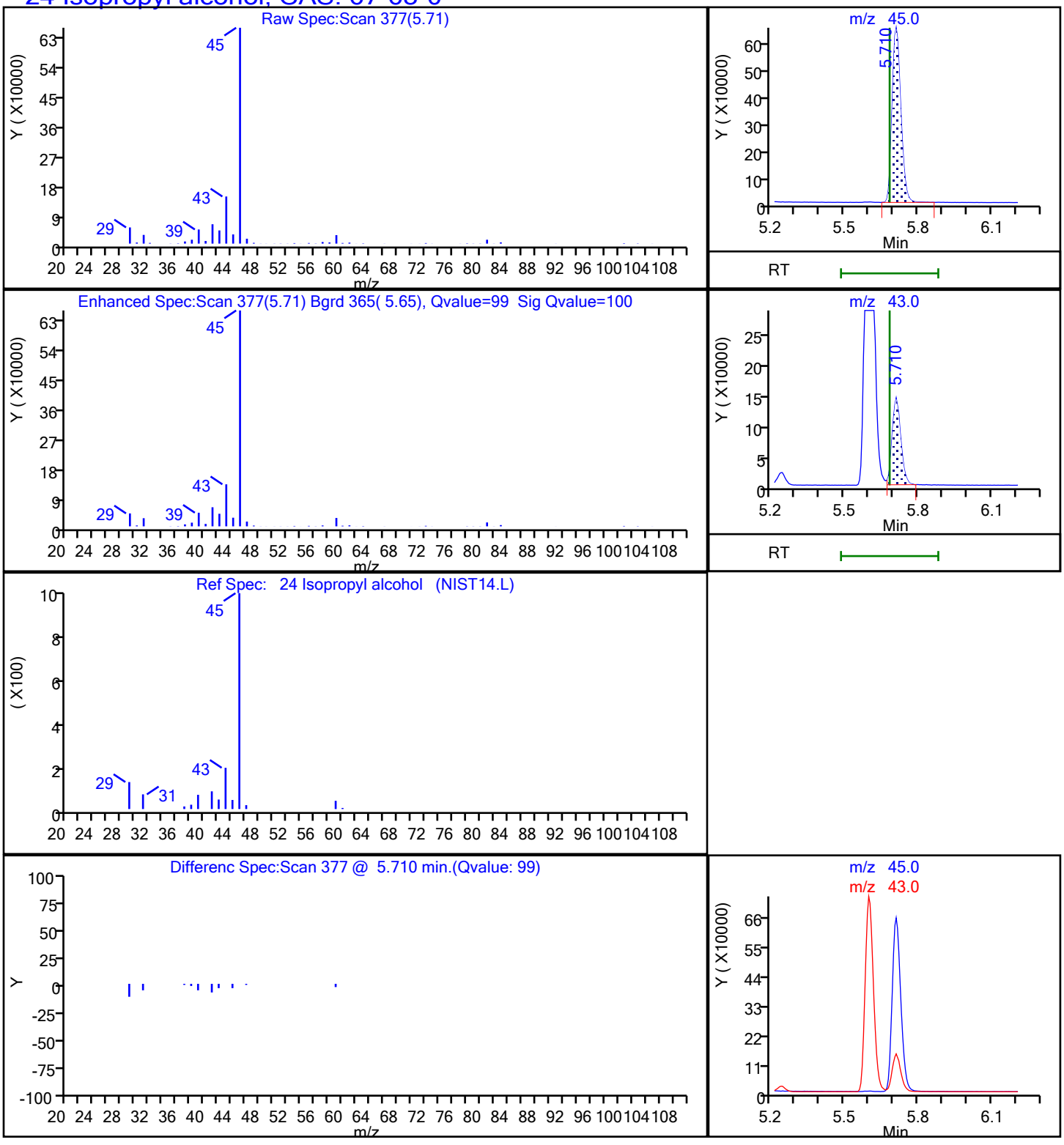
Operator ID: HMT ALS Bottle#: 12 Worklist Smp#: 17

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

24 Isopropyl alcohol, CAS: 67-63-0

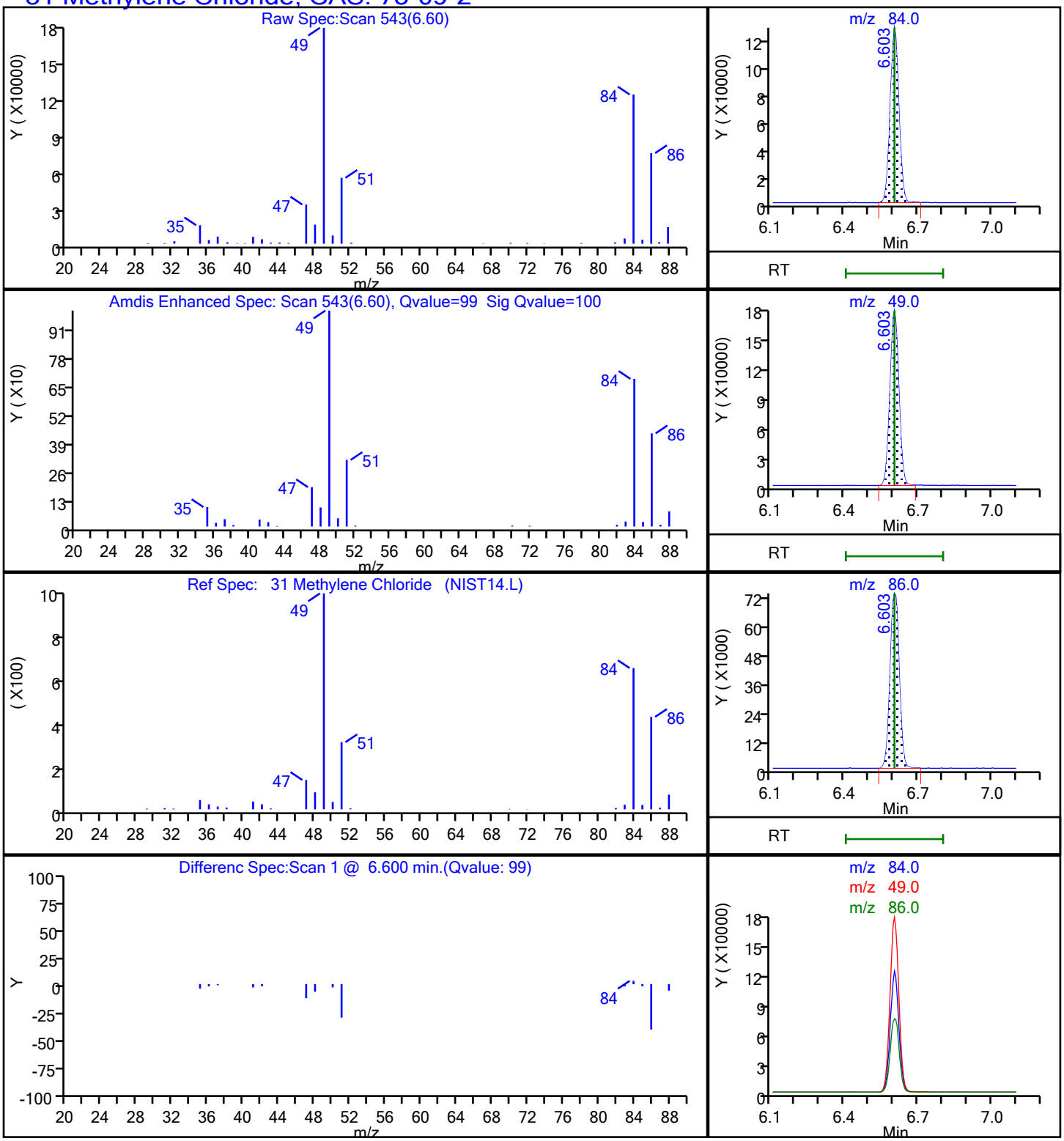


Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

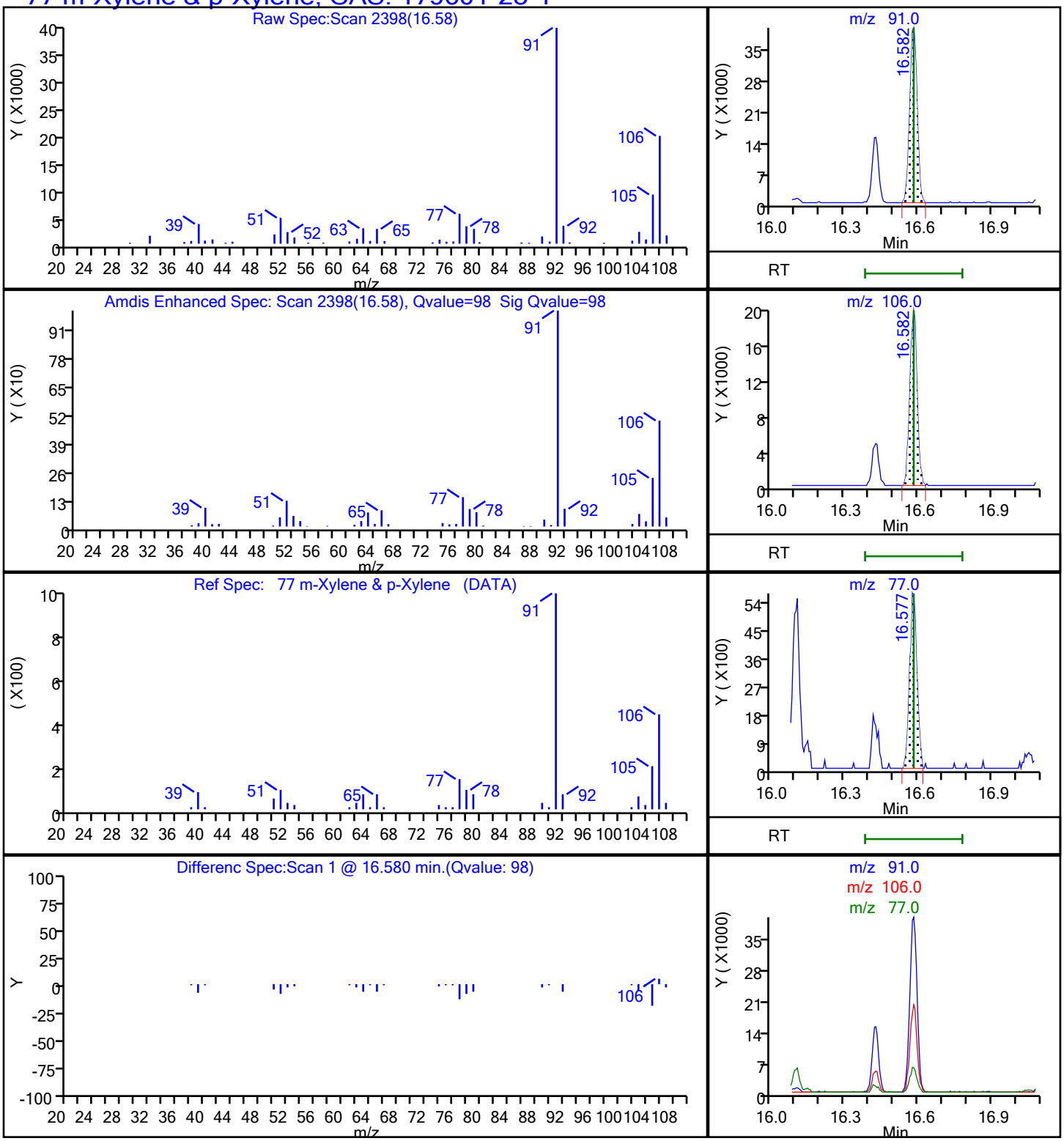
31 Methylene Chloride, CAS: 75-09-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

77 m-Xylene & p-Xylene, CAS: 179601-23-1



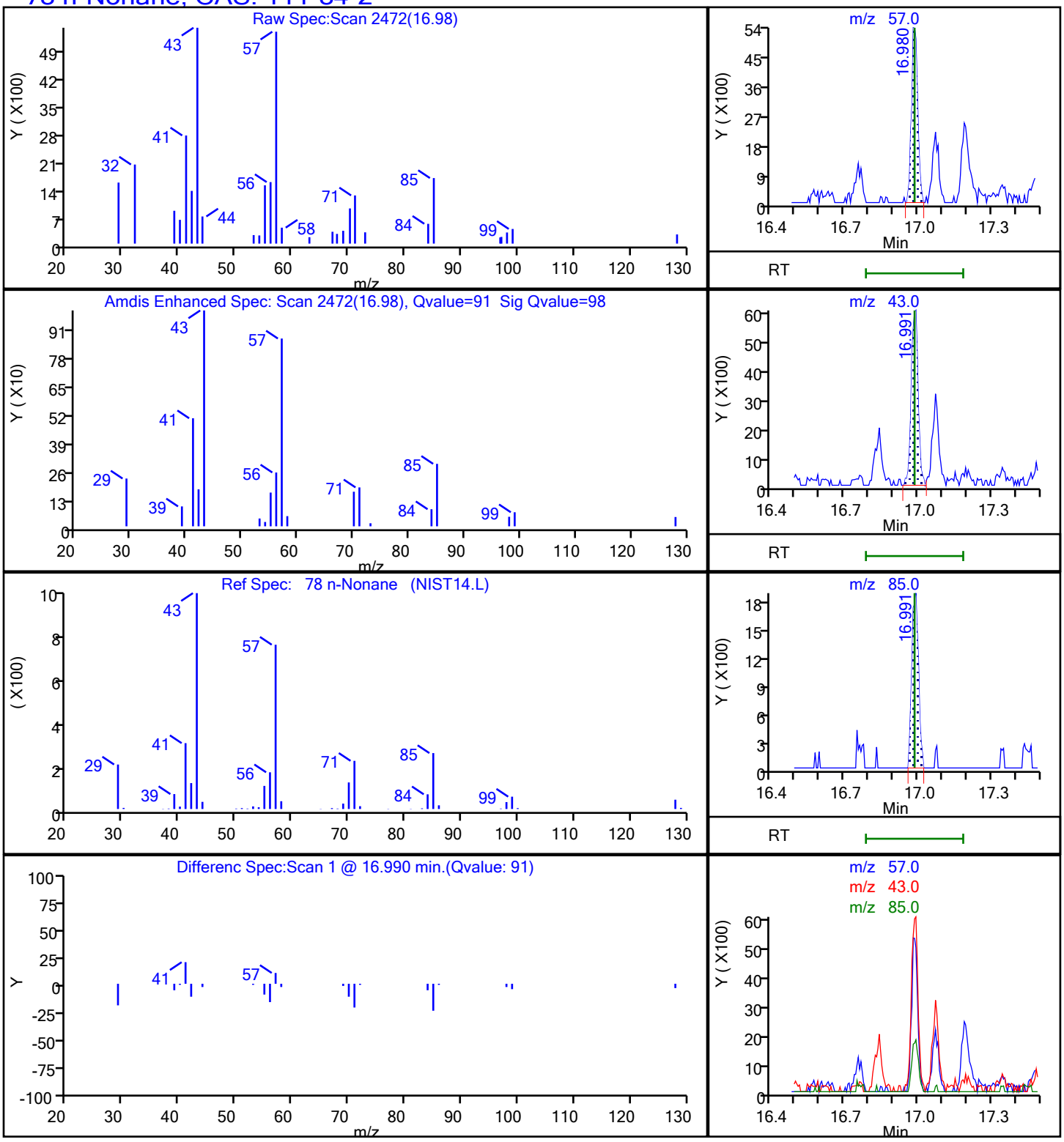
Report Date: 10-Feb-2021 17:13:52 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D

Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

78 n-Nonane, CAS: 111-84-2



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D

Injection Date: 10-Feb-2021 04:08:30 Instrument ID: MS

Lims ID: 140-21885-A-2 Lab Sample ID: 140-21885-2

Client ID: GPEC-IA 306

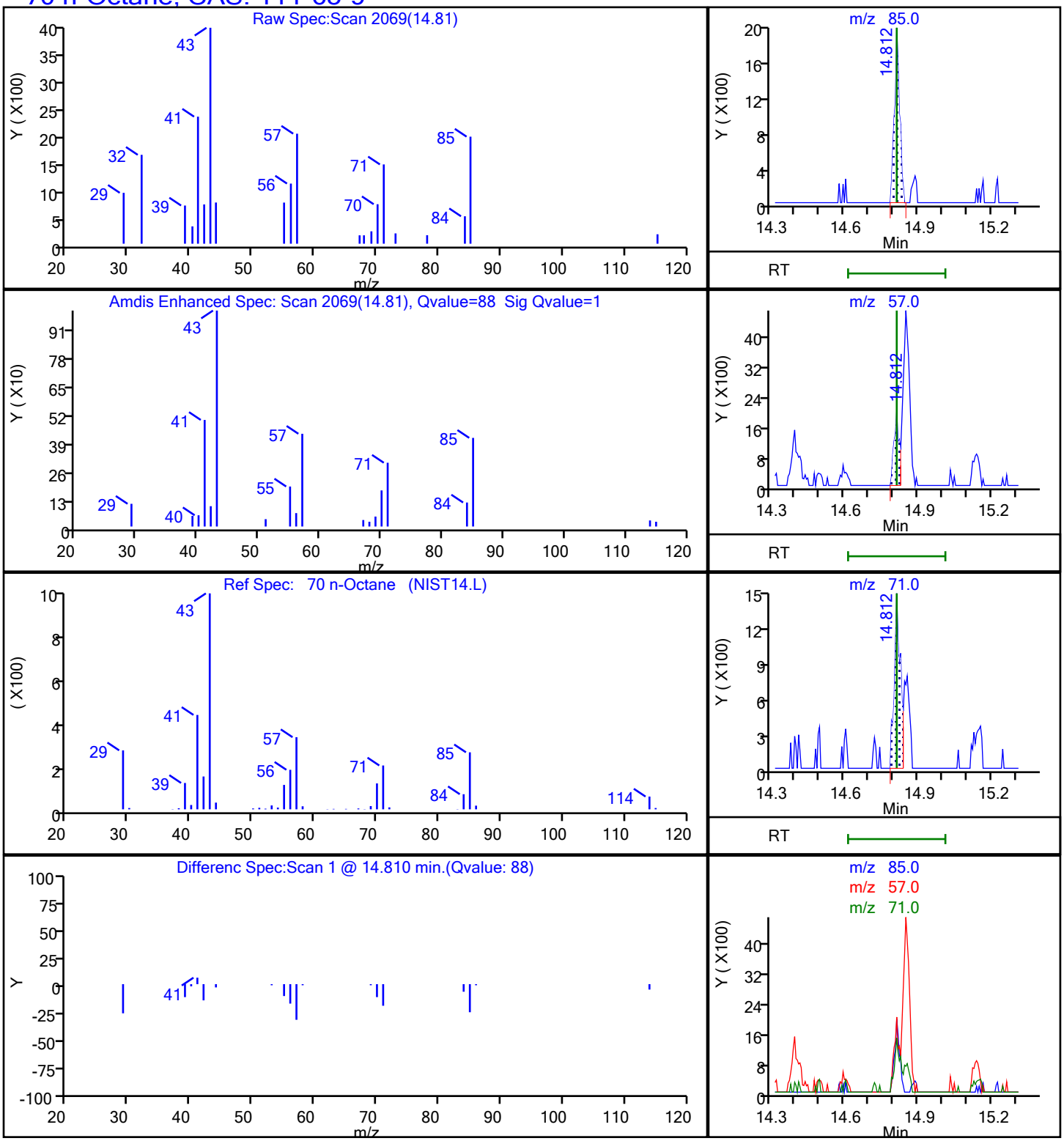
Operator ID: HMT ALS Bottle#: 12 Worklist Smp#: 17

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

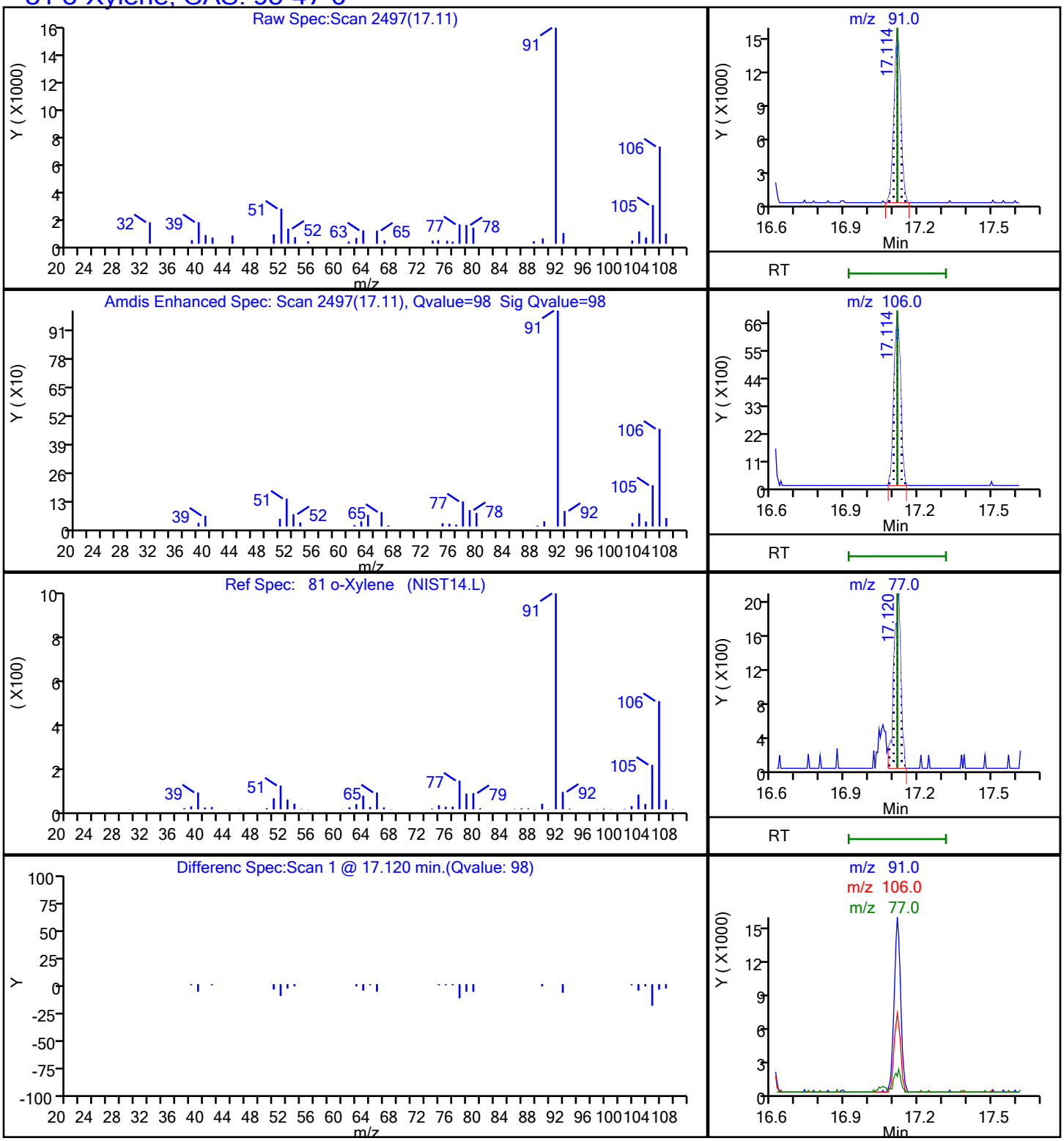
70 n-Octane, CAS: 111-65-9



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

81 o-Xylene, CAS: 95-47-6



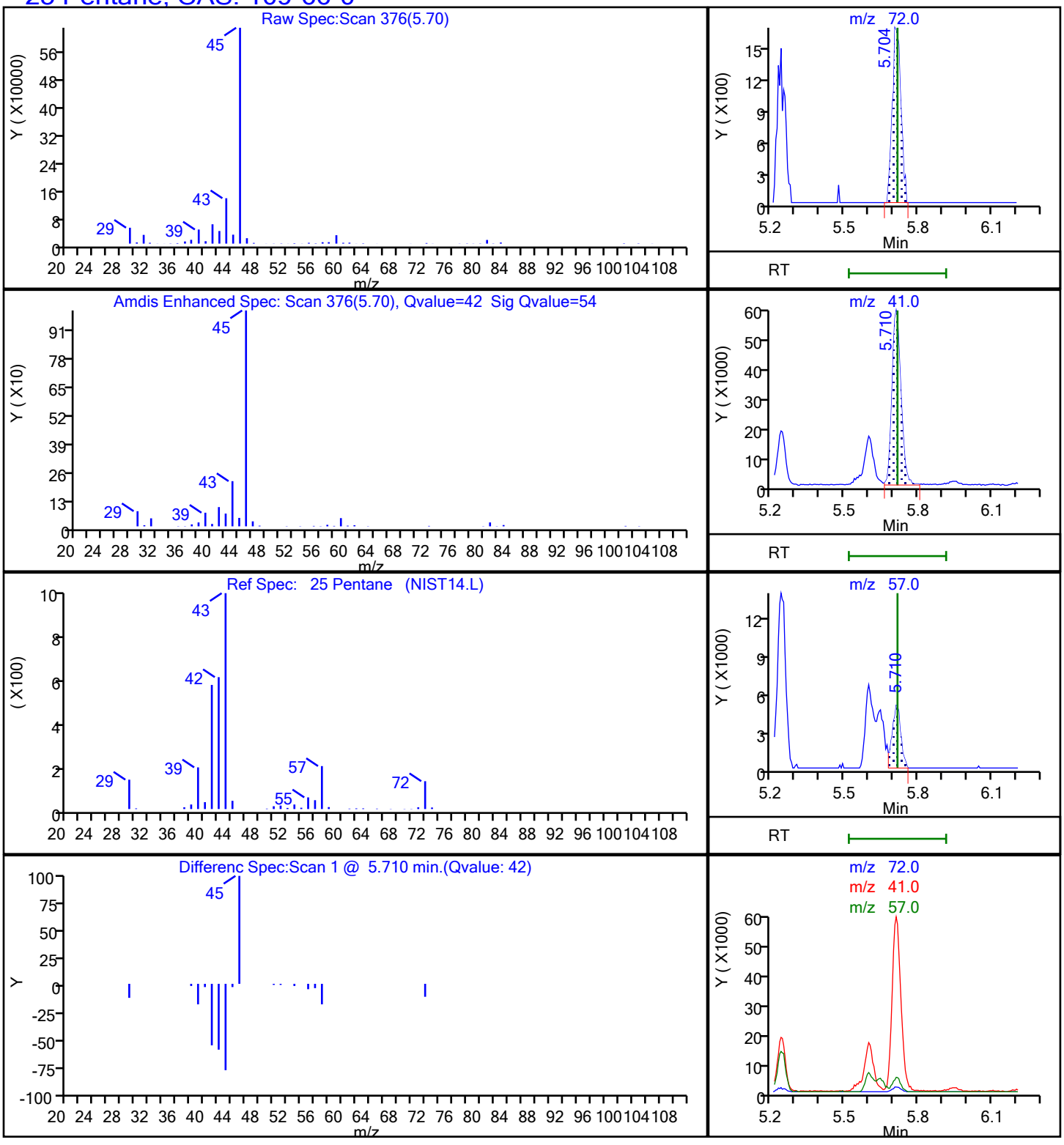
Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D

Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

25 Pentane, CAS: 109-66-0



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D

Injection Date: 10-Feb-2021 04:08:30 Instrument ID: MS

Lims ID: 140-21885-A-2 Lab Sample ID: 140-21885-2

Client ID: GPEC-IA 306

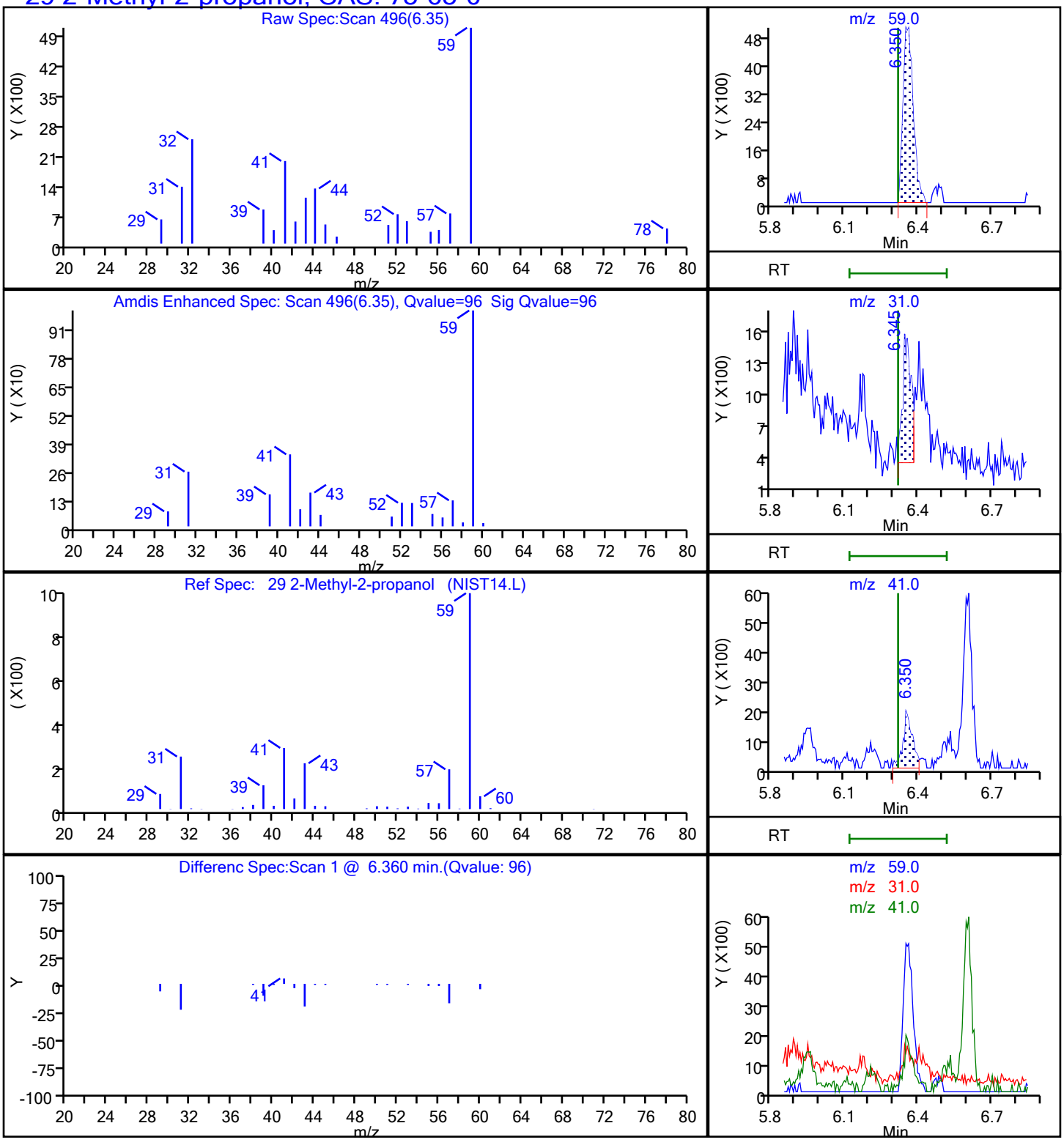
Operator ID: HMT ALS Bottle#: 12 Worklist Smp#: 17

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

29 2-Methyl-2-propanol, CAS: 75-65-0

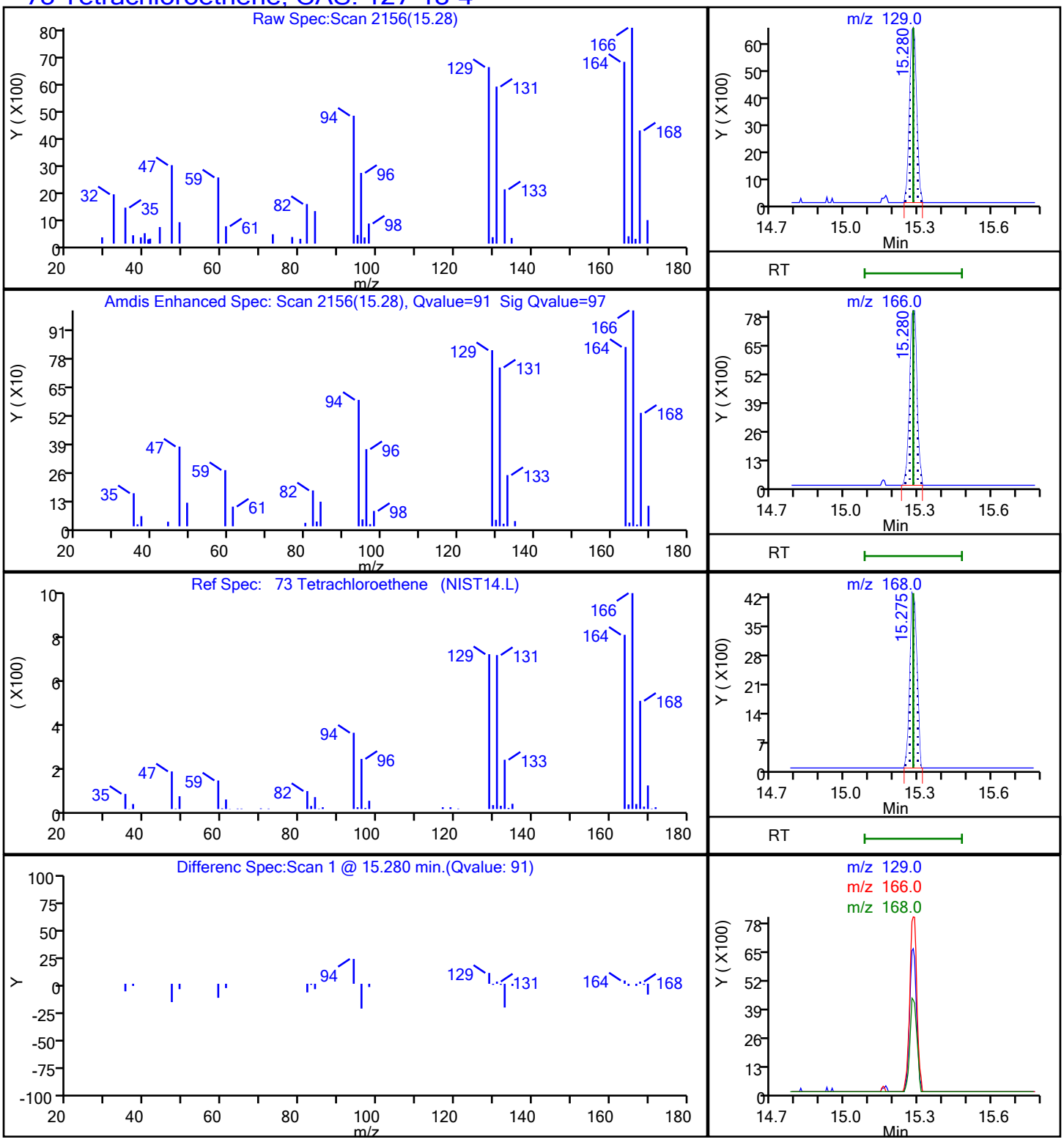


Report Date: 10-Feb-2021 17:13:52 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

73 Tetrachloroethene, CAS: 127-18-4

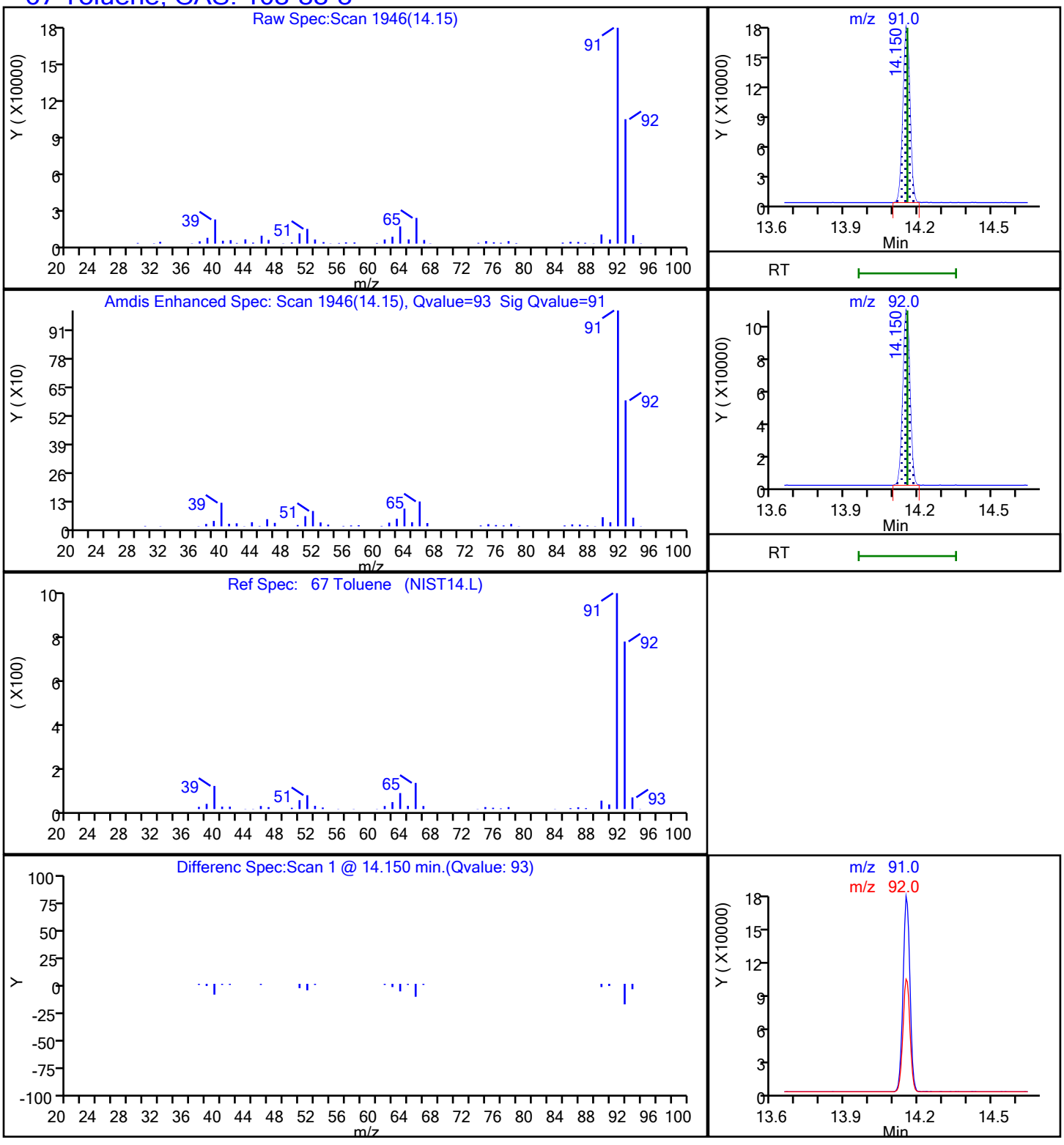


Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

67 Toluene, CAS: 108-88-3



Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
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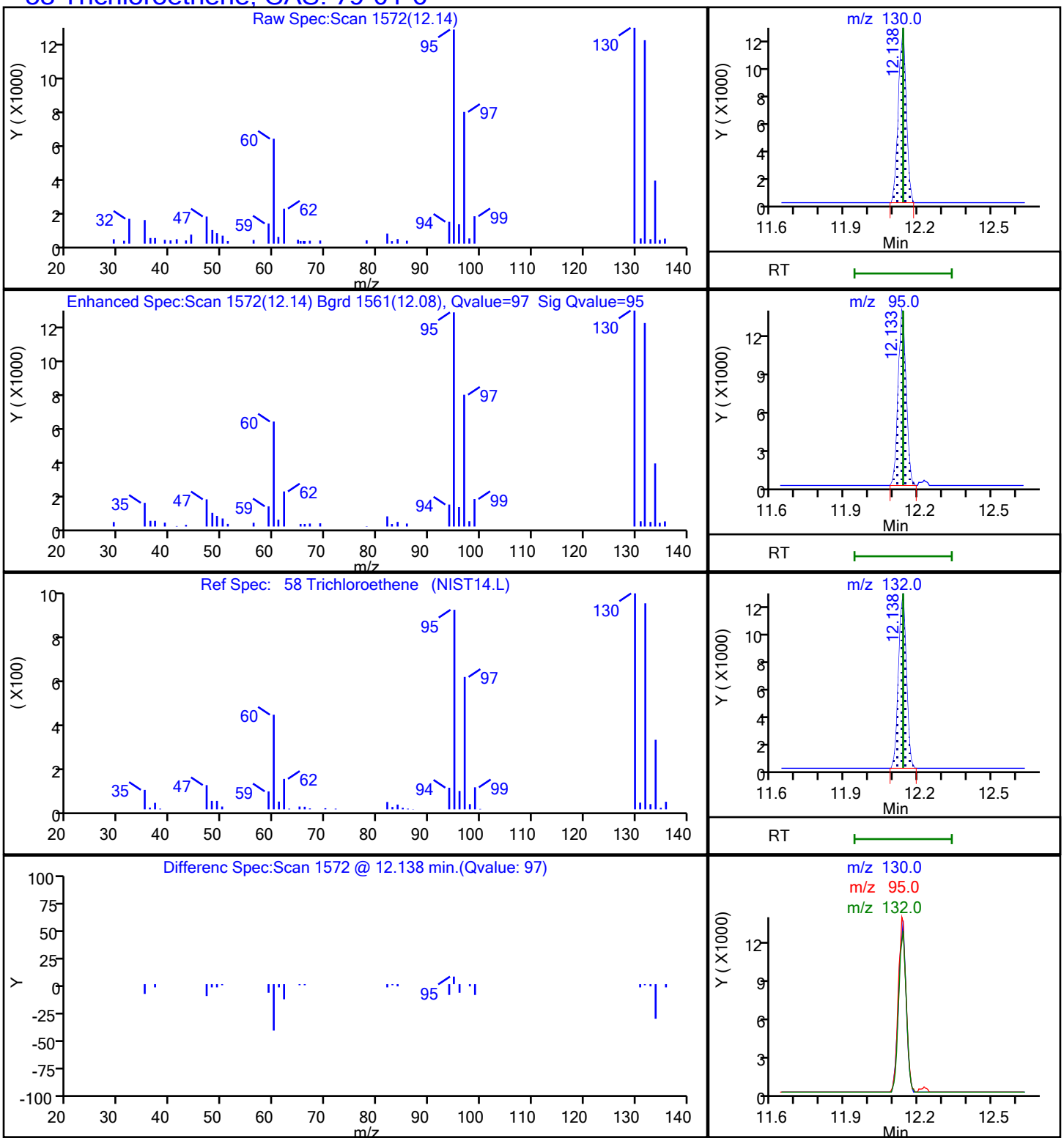
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

58 Trichloroethene, CAS: 79-01-6

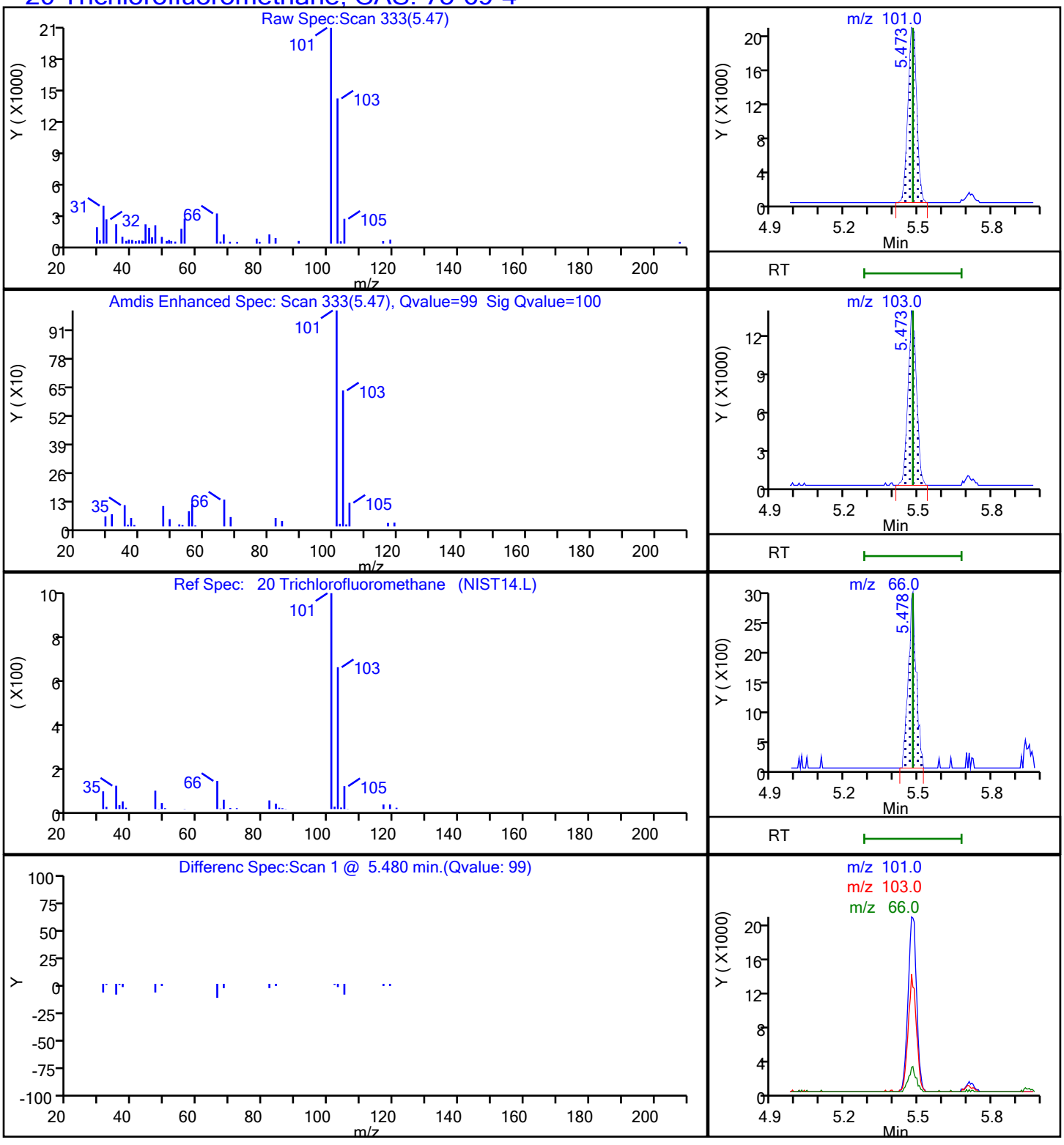


Report Date: 10-Feb-2021 17:13:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

20 Trichlorofluoromethane, CAS: 75-69-4



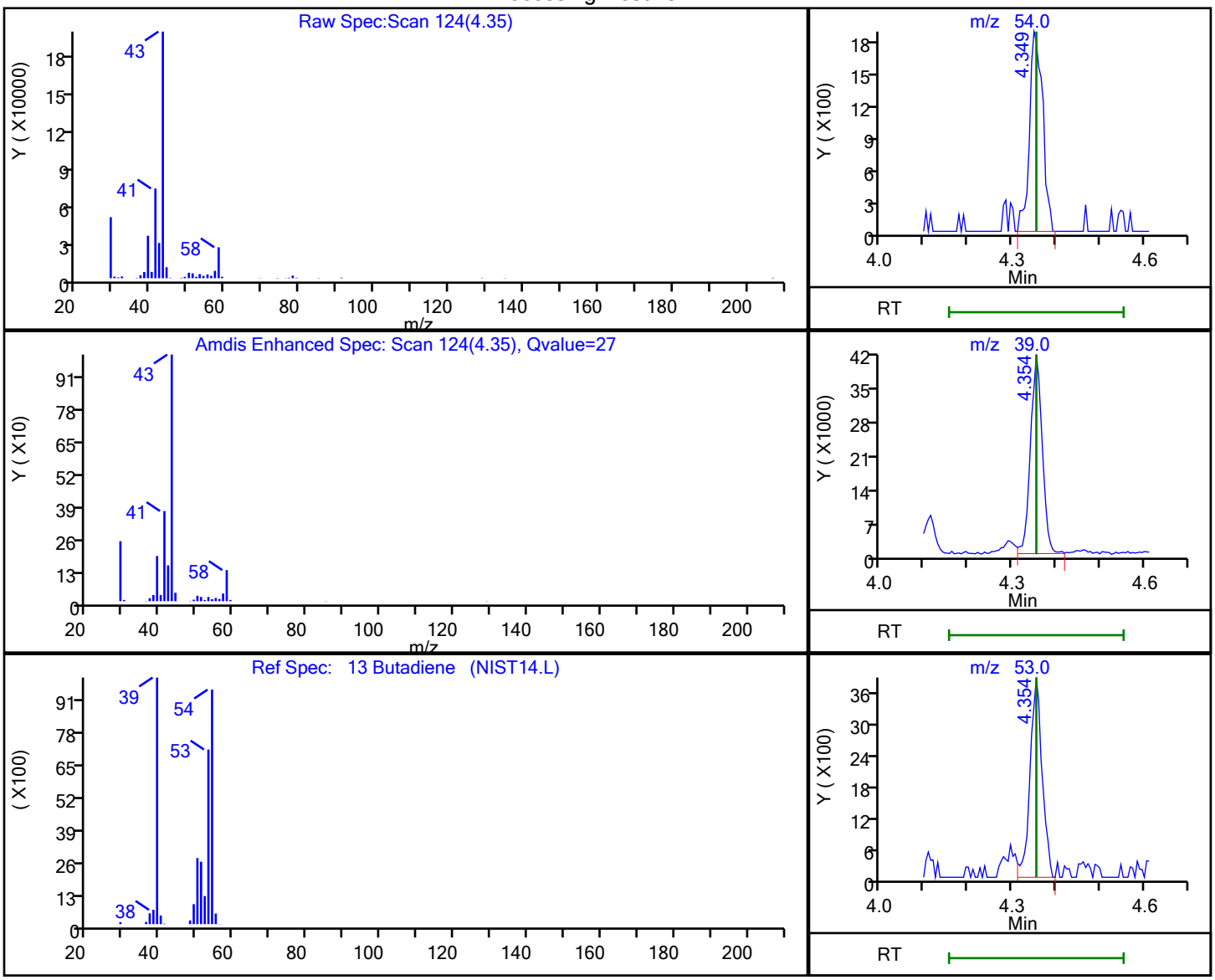
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

13 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
4.35	54.00	3840	0.103001
4.35	39.00	76239	
4.35	53.00	7458	

Reviewer: khachitpongpanits, 10-Feb-2021 17:11:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

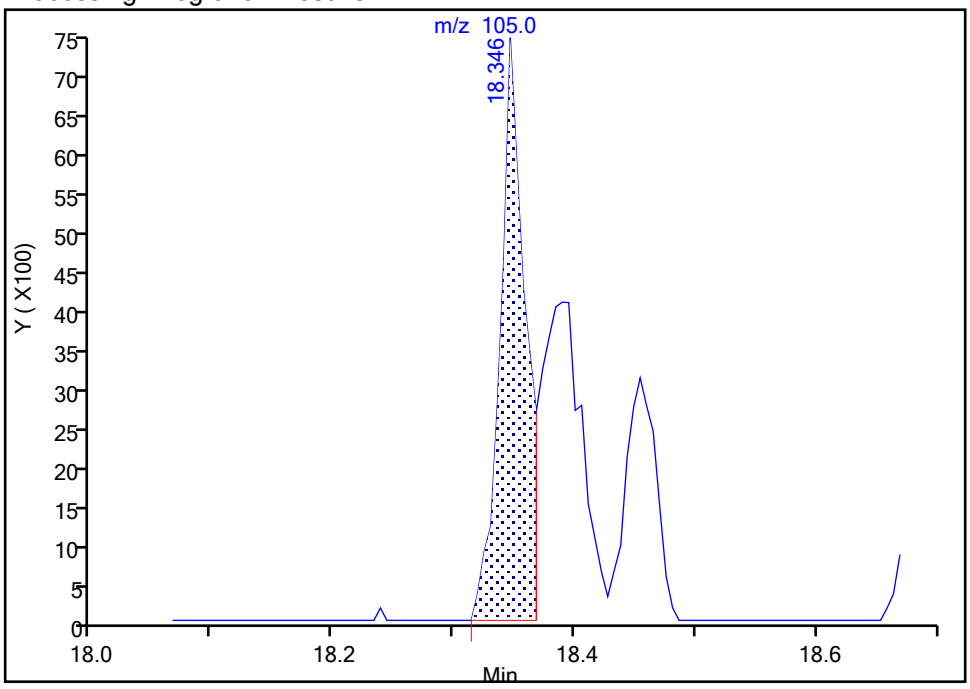
Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

87 4-Ethyltoluene, CAS: 622-96-8

Signal: 1

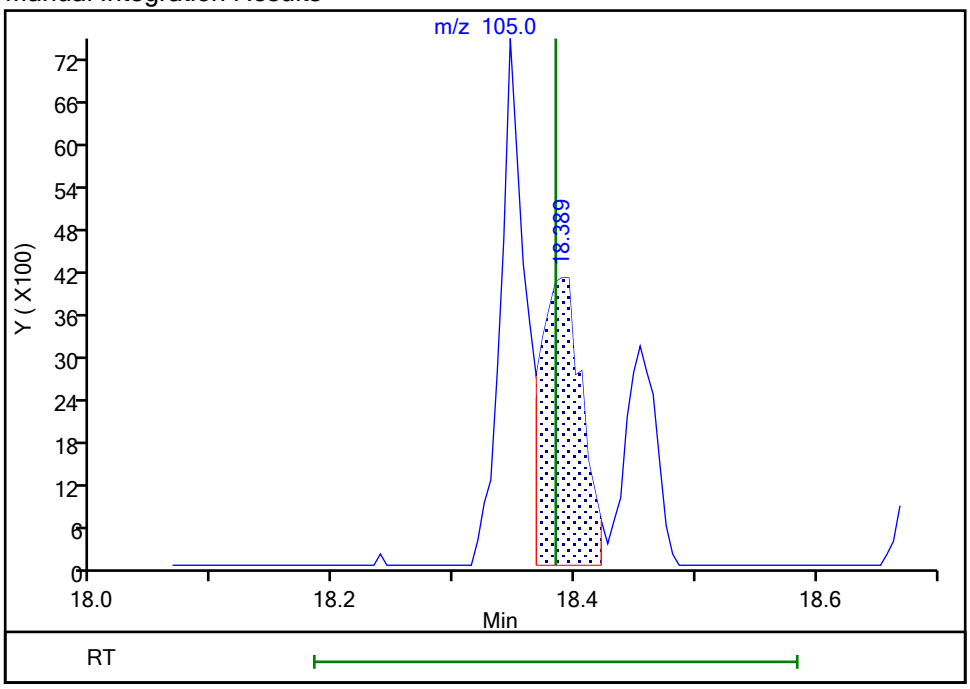
Processing Integration Results

RT: 18.35
Area: 10770
Amount: 0.027049
Amount Units: ppb v/v



Manual Integration Results

RT: 18.39
Area: 9744
Amount: 0.024472
Amount Units: ppb v/v



Reviewer: khachitpongpanits, 10-Feb-2021 17:12:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

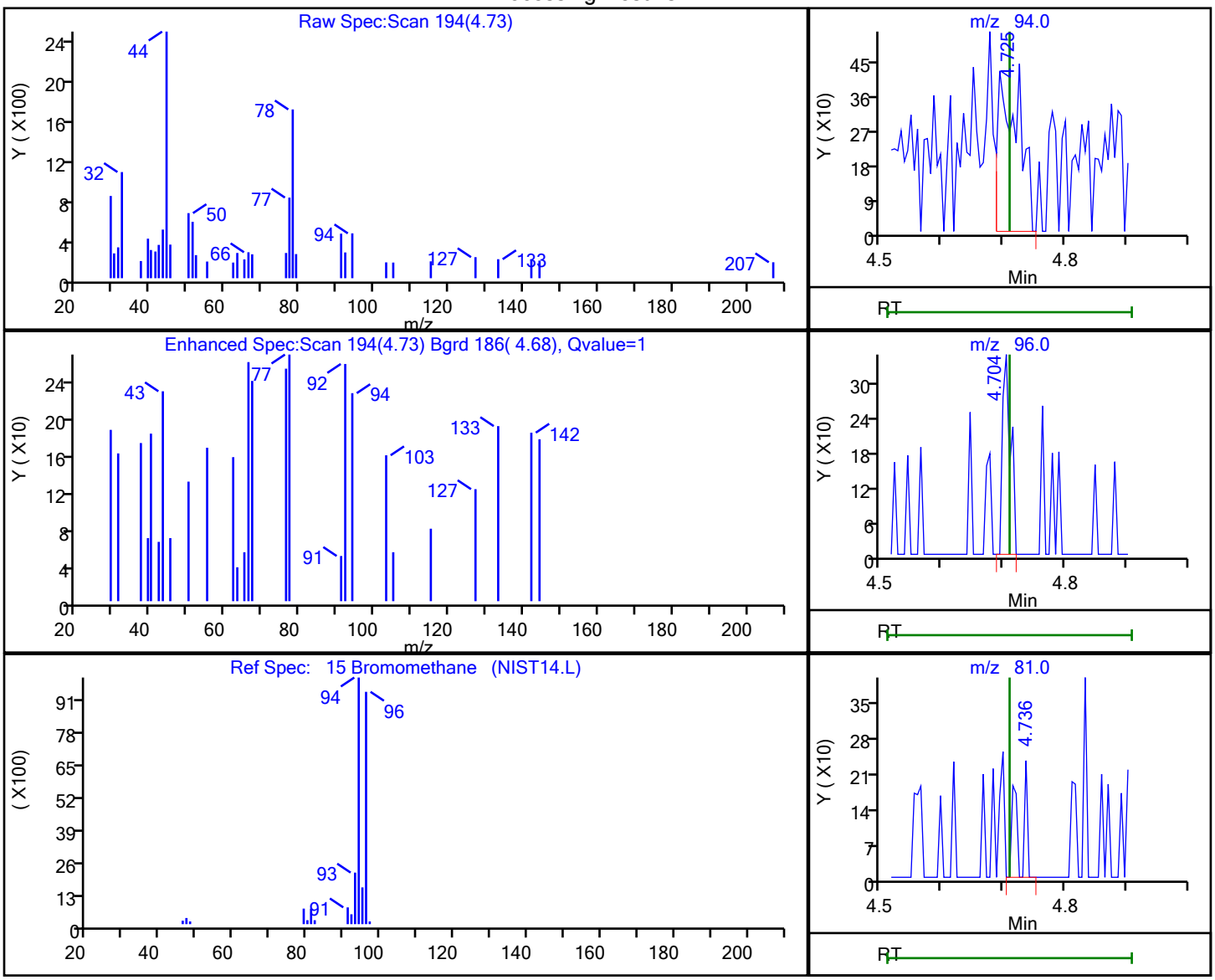
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

15 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
4.73	94.00	997	0.019669
4.70	96.00	318	
4.74	81.00	188	

Reviewer: khachitpongpanits, 10-Feb-2021 17:11:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

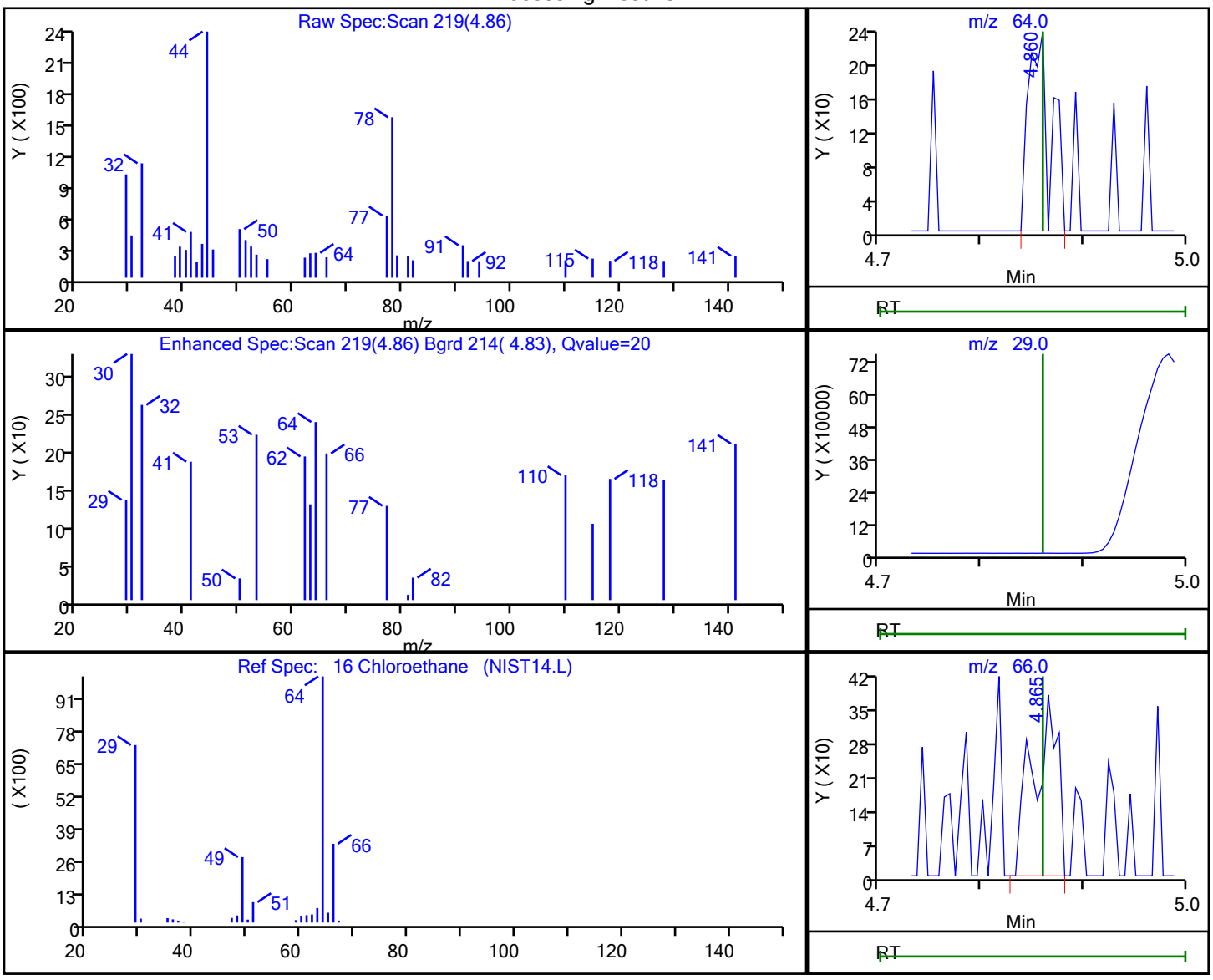
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
4.86	64.00	359	0.016597
4.86	29.00	0	
4.87	66.00	637	

Reviewer: khachitpongpanits, 10-Feb-2021 17:11:20

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

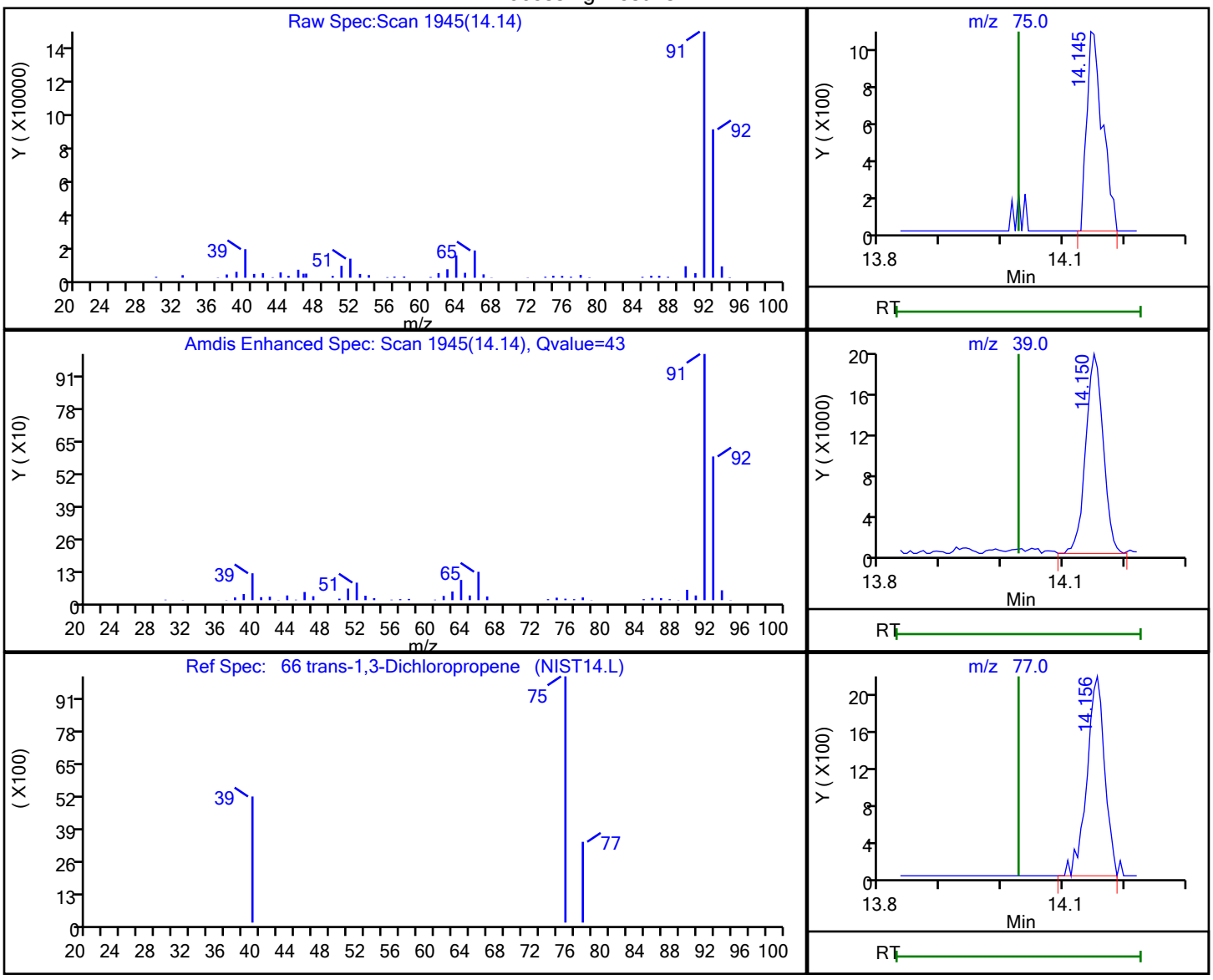
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P112.D				
Injection Date:	10-Feb-2021 04:08:30	Instrument ID:	MS		
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2		
Client ID:	GPEC-IA 306				
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	17
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		

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
14.14	75.00	1967	0.019524
14.15	39.00	38952	
14.16	77.00	4341	

Reviewer: khachitpongpanits, 10-Feb-2021 17:12:03

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.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 306 DL Lab Sample ID: 140-21885-2 DL

Matrix: Air Lab File ID: HB11P107.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:21

Sample wt/vol: 40(mL) Date Analyzed: 02/12/2021 01:29

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.: 46842 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
64-17-5	Ethanol	46.07	750		25	11

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.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 306 DL Lab Sample ID: 140-21885-2 DL

Matrix: Air Lab File ID: HB11P107.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:21

Sample wt/vol: 40(mL) Date Analyzed: 02/12/2021 01:29

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.: 46842 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
64-17-5	Ethanol	46.07	1400		47	20

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\MH\20210210-18175.b\HB11P107.D				
Lims ID:	140-21885-A-2				
Client ID:	GPEC-IA 306				
Sample Type:	Client				
Inject. Date:	12-Feb-2021 01:29:30	ALS Bottle#:	7	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018175-018				
Misc. Info.:	140-21885-a-2				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Feb-2021 15:38:13	Calib Date:	09-Feb-2021 06:44:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1655				
First Level Reviewer: khachitpongpanits		Date:	12-Feb-2021 15:39:30		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.426	9.451	-0.025	85	323521	4.80	
* 2 1,4-Difluorobenzene	114	11.663	11.679	-0.016	94	1498392	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.403	16.408	-0.005	87	1265313	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.026	18.025	-0.005	93	932770	4.44	
8 Dichlorodifluoromethane	85	3.926	3.910	0.005	99	9569	0.0389	
9 Chloromethane	52	4.128	4.111	0.005	98	1912	0.1026	
13 Butane	43	4.412	4.395	0.005	93	41376	0.5280	
17 Ethanol	31	5.027	5.003	0.010	94	1625488	59.9	
20 Trichlorofluoromethane	101	5.560	5.539	0.006	98	4182	0.0178	
23 Acetone	58	5.699	5.668	0.015	97	39591	1.13	
25 Isopropyl alcohol	45	5.787	5.751	0.021	97	86776	1.05	
40 Hexane	56	8.619	8.611	-0.016	50	950	0.0174	
51 Benzene	78	11.131	11.132	-0.016	96	5554	0.0200	
56 n-Heptane	71	12.242	12.236	-0.011	89	1275	0.0150	
58 Trichloroethene	130	12.377	12.381	-0.020	93	2930	0.0234	
67 Toluene	91	14.434	14.434	-0.005	92	29502	0.0874	
73 Tetrachloroethene	129	15.581	15.576	0.000	87	1394	0.0110	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

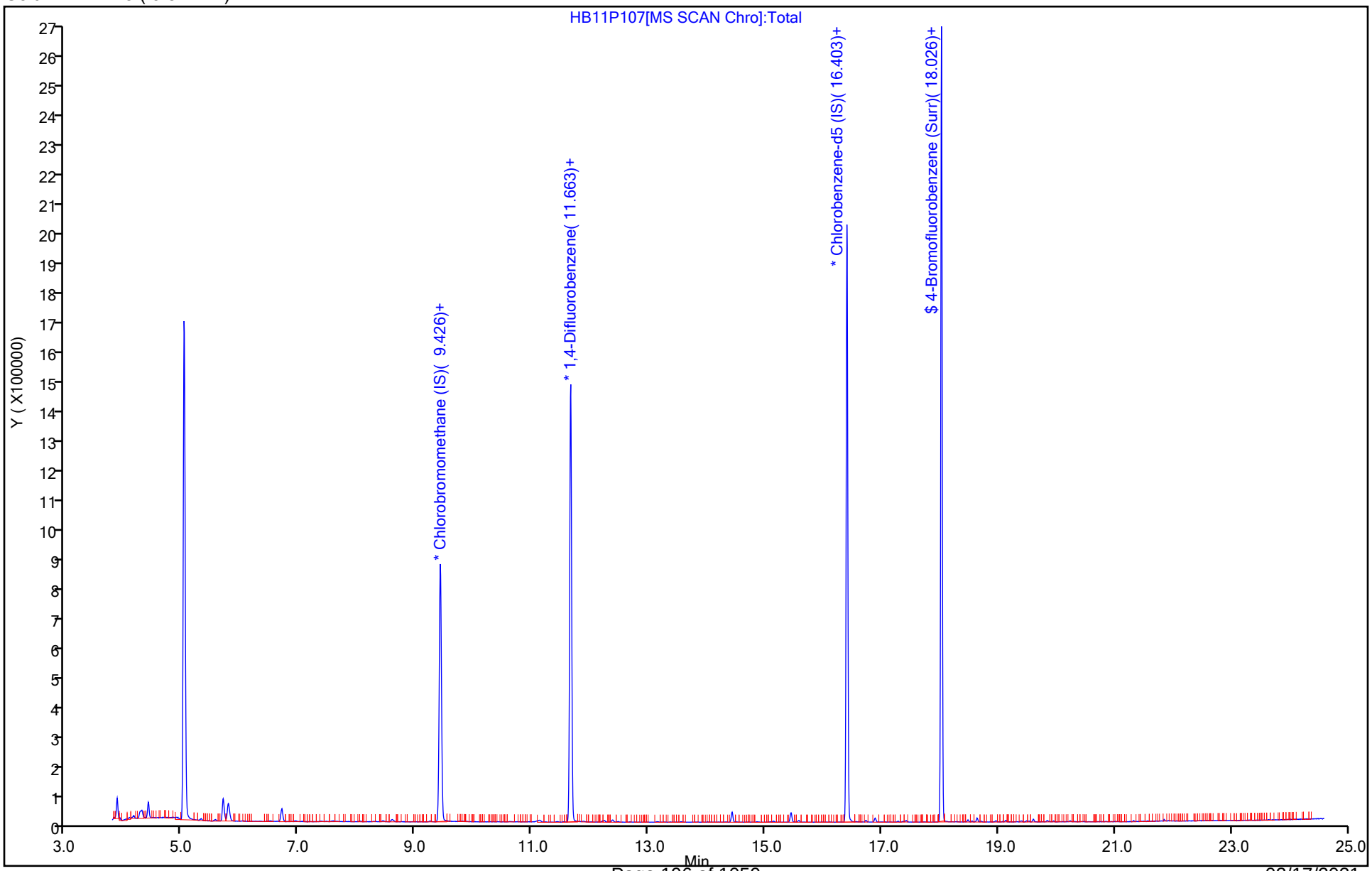
Report Date: 12-Feb-2021 15:39:30 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P107.D

Injection Date:	12-Feb-2021 01:29:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2	Worklist Smp#:	18
Client ID:	GPEC-IA 306				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P107.D				
Lims ID:	140-21885-A-2				
Client ID:	GPEC-IA 306				
Sample Type:	Client				
Inject. Date:	12-Feb-2021 01:29:30	ALS Bottle#:	7	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018175-018				
Misc. Info.:	140-21885-a-2				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Feb-2021 15:38:13	Calib Date:	09-Feb-2021 06:44:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1655				

First Level Reviewer: khachitpongpanits Date: 12-Feb-2021 15:39:30

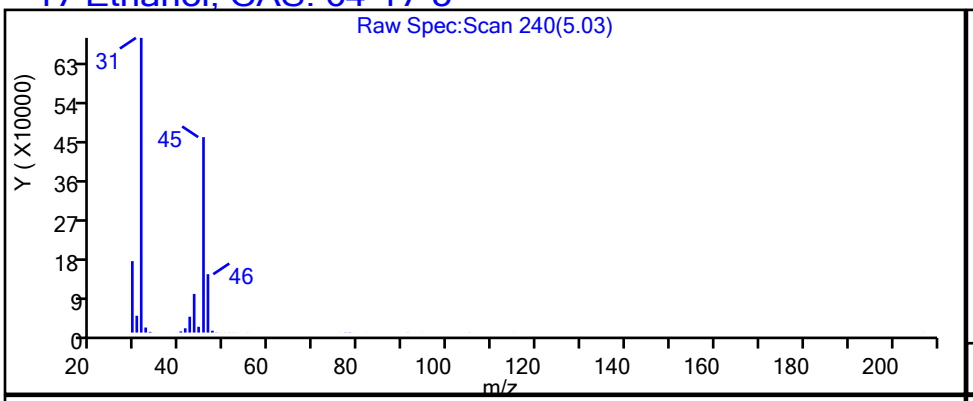
Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.44	95.79

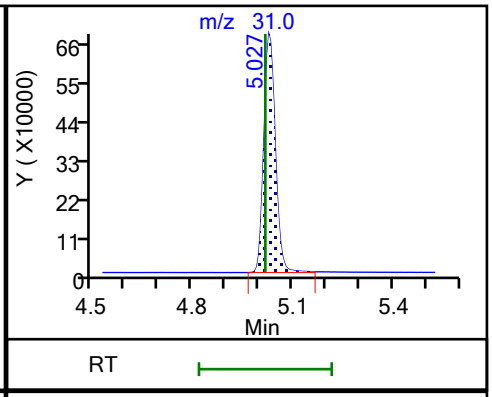
Report Date: 12-Feb-2021 15:39:30 Chrom Revision: 2.3 09-Dec-2020 16:22:14

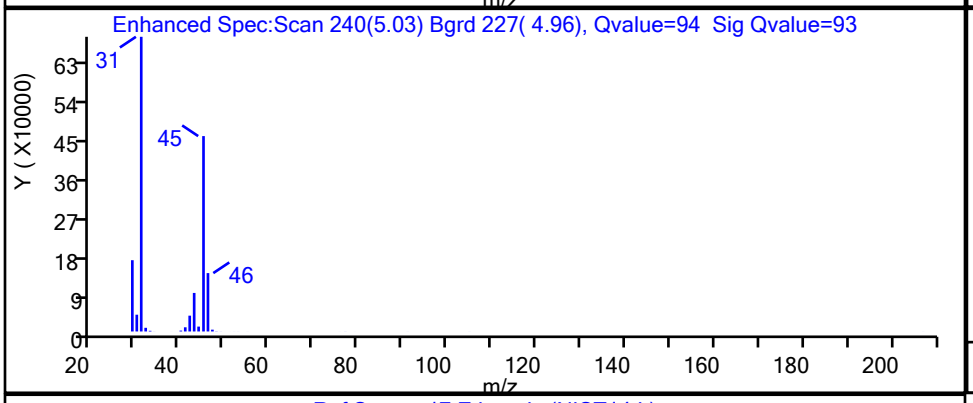
Eurofins TestAmerica, Knoxville

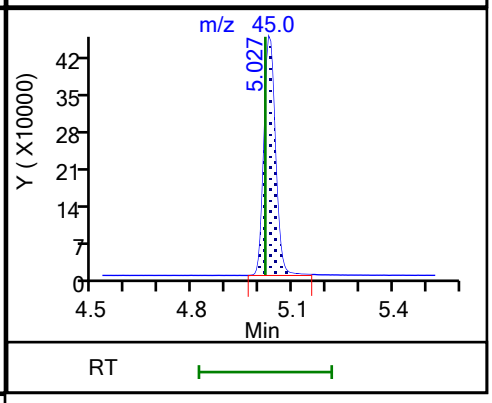
Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P107.D		
Injection Date:	12-Feb-2021 01:29:30	Instrument ID:	MH
Lims ID:	140-21885-A-2	Lab Sample ID:	140-21885-2
Client ID:	GPEC-IA 306		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

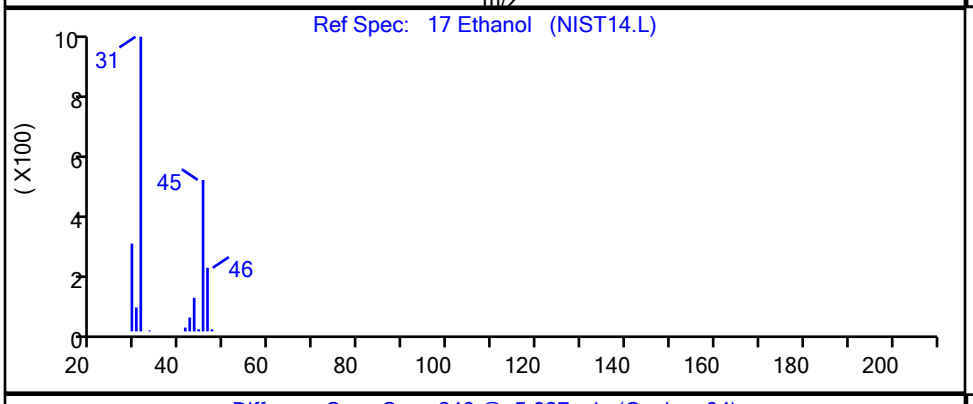
17 Ethanol, CAS: 64-17-5

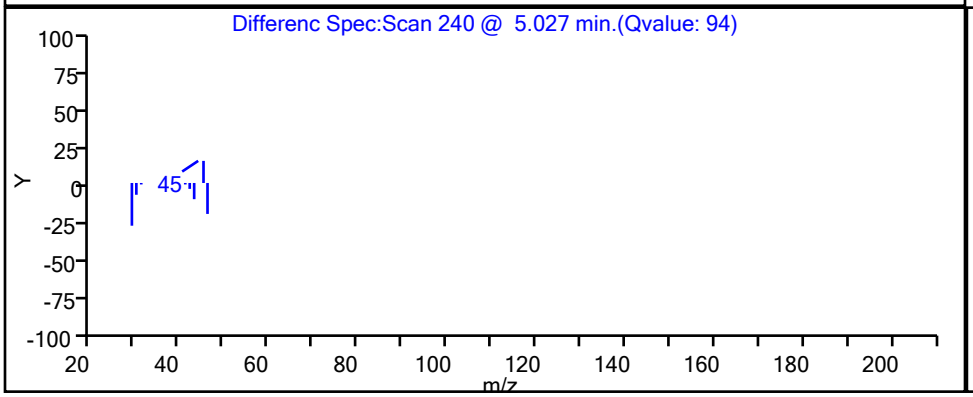


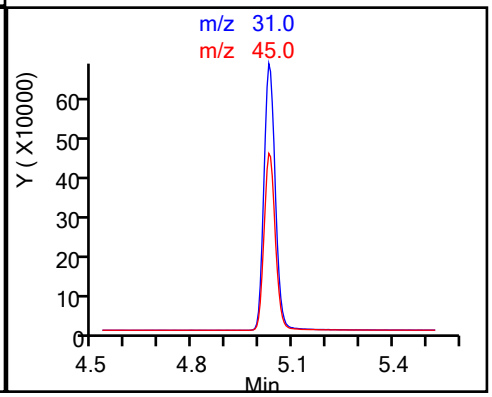












FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-OA FACILITIES Lab Sample ID: 140-21885-3

Matrix: Air Lab File ID: SB09P113.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 14:49

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 05:06

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.080	0.037
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.080	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	0.069	J	0.080	0.0080
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.080	0.0070
75-34-3	1,1-Dichloroethane	98.96	ND		0.080	0.0070
75-35-4	1,1-Dichloroethene	96.94	ND		0.040	0.0080
526-73-8	1,2,3-Trimethylbenzene	120.19	ND		0.080	0.036
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.080	0.064
95-63-6	1,2,4-Trimethylbenzene	120.20	0.034	J	0.080	0.020
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		0.080	0.0070
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	0.012	J	0.080	0.012
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.080	0.031
107-06-2	1,2-Dichloroethane	98.96	0.017	J	0.080	0.010
78-87-5	1,2-Dichloropropane	112.99	ND		0.080	0.010
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.080	0.022
106-99-0	1,3-Butadiene	54.09	ND		0.16	0.019
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.080	0.016
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.080	0.016
123-91-1	1,4-Dioxane	88.11	ND		0.20	0.030
90-12-0	1-Methylnaphthalene	142.20	ND		1.0	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	0.045	J	0.20	0.0080
78-93-3	2-Butanone (MEK)	72.11	0.27	J	0.32	0.073
95-49-8	2-Chlorotoluene	126.59	ND		0.16	0.016
591-78-6	2-Hexanone	100.20	0.020	J	0.20	0.016
91-57-6	2-Methylnaphthalene	142.20	ND		1.0	0.27
107-05-1	3-Chloropropene	76.53	ND		0.080	0.023
622-96-8	4-Ethyltoluene	120.20	ND		0.16	0.021
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.20	0.054
67-64-1	Acetone	58.08	3.3	CI	2.0	0.57
71-43-2	Benzene	78.11	0.17	B	0.080	0.0080
100-44-7	Benzyl chloride	126.58	ND		0.16	0.038
75-27-4	Bromodichloromethane	163.83	ND		0.080	0.018
75-25-2	Bromoform	252.75	ND		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-OA FACILITIES Lab Sample ID: 140-21885-3

Matrix: Air Lab File ID: SB09P113.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 14:49

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 05:06

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND		0.080	0.022
106-97-8	Butane	58.12	1.0		0.16	0.083
75-15-0	Carbon disulfide	76.14	0.033	J B	0.20	0.011
56-23-5	Carbon tetrachloride	153.81	0.073		0.032	0.0070
108-90-7	Chlorobenzene	112.56	ND		0.080	0.0060
75-00-3	Chloroethane	64.52	ND		0.080	0.029
67-66-3	Chloroform	119.38	0.020	J	0.080	0.0070
74-87-3	Chloromethane	50.49	0.69		0.20	0.066
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.040	0.010
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.080	0.016
110-82-7	Cyclohexane	84.16	0.039	J	0.20	0.023
124-18-5	Decane	142.28	0.055	J	0.40	0.038
124-48-1	Dibromochloromethane	208.28	ND		0.080	0.0070
75-71-8	Dichlorodifluoromethane	120.91	0.27		0.080	0.014
112-40-3	Dodecane	170.33	ND		0.40	0.064
64-17-5	Ethanol	46.07	8.8		2.0	0.87
100-41-4	Ethylbenzene	106.17	0.052	J	0.080	0.013
142-82-5	Heptane	100.21	0.062	J	0.20	0.014
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	0.032
110-54-3	Hexane	86.17	0.14	J	0.20	0.013
67-63-0	Isopropyl alcohol	60.10	1.0		0.80	0.22
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.16	0.052
75-09-2	Methylene Chloride	84.93	0.41		0.40	0.39
179601-23-1	m-Xylene & p-Xylene	106.17	0.18		0.080	0.029
91-20-3	Naphthalene	128.17	ND		0.20	0.076
111-84-2	Nonane	128.26	0.039	J	0.20	0.018
111-65-9	Octane	114.23	0.029	J	0.16	0.016
95-47-6	o-Xylene	106.17	0.060	J	0.080	0.015
109-66-0	Pentane	72.15	0.24	J	0.40	0.079
100-42-5	Styrene	104.15	ND	*+	0.080	0.024
75-65-0	tert-Butyl alcohol	74.12	ND		0.32	0.088
127-18-4	Tetrachloroethene	165.83	0.056	J	0.080	0.0070
108-88-3	Toluene	92.14	0.46		0.12	0.078
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.080	0.0070
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-OA FACILITIES Lab Sample ID: 140-21885-3

Matrix: Air Lab File ID: SB09P113.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 14:49

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 05:06

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.0067	J	0.036	0.0060
75-69-4	Trichlorofluoromethane	137.37	0.22		0.080	0.011
1120-21-4	Undecane	156.31	ND		0.40	0.048
593-60-2	Vinyl bromide	106.96	ND		0.080	0.020
75-01-4	Vinyl chloride	62.50	ND		0.040	0.026

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.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-OA FACILITIES Lab Sample ID: 140-21885-3

Matrix: Air Lab File ID: SB09P113.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 14:49

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 05:06

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.44	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.55	0.096
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	0.53	J	0.61	0.061
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.44	0.038
75-34-3	1,1-Dichloroethane	98.96	ND		0.32	0.028
75-35-4	1,1-Dichloroethene	96.94	ND		0.16	0.032
526-73-8	1,2,3-Trimethylbenzene	120.19	ND		0.39	0.18
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.59	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	0.17	J	0.39	0.098
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		0.61	0.054
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	0.085	J	0.56	0.084
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.48	0.19
107-06-2	1,2-Dichloroethane	98.96	0.069	J	0.32	0.040
78-87-5	1,2-Dichloropropane	112.99	ND		0.37	0.046
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.39	0.11
106-99-0	1,3-Butadiene	54.09	ND		0.35	0.042
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.48	0.096
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.48	0.096
123-91-1	1,4-Dioxane	88.11	ND		0.72	0.11
90-12-0	1-Methylnaphthalene	142.20	ND		5.8	1.5
540-84-1	2,2,4-Trimethylpentane	114.23	0.21	J	0.93	0.037
78-93-3	2-Butanone (MEK)	72.11	0.78	J	0.94	0.22
95-49-8	2-Chlorotoluene	126.59	ND		0.83	0.083
591-78-6	2-Hexanone	100.20	0.082	J	0.82	0.066
91-57-6	2-Methylnaphthalene	142.20	ND		5.8	1.6
107-05-1	3-Chloropropene	76.53	ND		0.25	0.072
622-96-8	4-Ethyltoluene	120.20	ND		0.79	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.82	0.22
67-64-1	Acetone	58.08	7.8	CI	4.8	1.4
71-43-2	Benzene	78.11	0.53	B	0.26	0.026
100-44-7	Benzyl chloride	126.58	ND		0.83	0.20
75-27-4	Bromodichloromethane	163.83	ND		0.54	0.12
75-25-2	Bromoform	252.75	ND		0.83	0.093

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-OA FACILITIES Lab Sample ID: 140-21885-3

Matrix: Air Lab File ID: SB09P113.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 14:49

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 05:06

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND		0.31	0.085
106-97-8	Butane	58.12	2.4		0.38	0.20
75-15-0	Carbon disulfide	76.14	0.10	J B	0.62	0.034
56-23-5	Carbon tetrachloride	153.81	0.46		0.20	0.044
108-90-7	Chlorobenzene	112.56	ND		0.37	0.028
75-00-3	Chloroethane	64.52	ND		0.21	0.077
67-66-3	Chloroform	119.38	0.10	J	0.39	0.034
74-87-3	Chloromethane	50.49	1.4		0.41	0.14
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.16	0.040
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.36	0.073
110-82-7	Cyclohexane	84.16	0.13	J	0.69	0.079
124-18-5	Decane	142.28	0.32	J	2.3	0.22
124-48-1	Dibromochloromethane	208.28	ND		0.68	0.060
75-71-8	Dichlorodifluoromethane	120.91	1.3		0.40	0.069
112-40-3	Dodecane	170.33	ND		2.8	0.45
64-17-5	Ethanol	46.07	16		3.8	1.6
100-41-4	Ethylbenzene	106.17	0.23	J	0.35	0.056
142-82-5	Heptane	100.21	0.26	J	0.82	0.057
87-68-3	Hexachlorobutadiene	260.76	ND		0.85	0.34
110-54-3	Hexane	86.17	0.48	J	0.70	0.046
67-63-0	Isopropyl alcohol	60.10	2.6		2.0	0.54
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.58	0.19
75-09-2	Methylene Chloride	84.93	1.4		1.4	1.4
179601-23-1	m-Xylene & p-Xylene	106.17	0.80		0.35	0.13
91-20-3	Naphthalene	128.17	ND		1.0	0.40
111-84-2	Nonane	128.26	0.20	J	1.0	0.094
111-65-9	Octane	114.23	0.14	J	0.75	0.075
95-47-6	o-Xylene	106.17	0.26	J	0.35	0.065
109-66-0	Pentane	72.15	0.72	J	1.2	0.23
100-42-5	Styrene	104.15	ND	*+	0.34	0.10
75-65-0	tert-Butyl alcohol	74.12	ND		0.97	0.27
127-18-4	Tetrachloroethene	165.83	0.38	J	0.54	0.047
108-88-3	Toluene	92.14	1.7		0.45	0.29
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.32	0.028
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.36	0.041

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-OA FACILITIES Lab Sample ID: 140-21885-3

Matrix: Air Lab File ID: SB09P113.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 14:49

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 05:06

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.036	J	0.19	0.032
75-69-4	Trichlorofluoromethane	137.37	1.2		0.45	0.062
1120-21-4	Undecane	156.31	ND		2.6	0.31
593-60-2	Vinyl bromide	106.96	ND		0.35	0.087
75-01-4	Vinyl chloride	62.50	ND		0.10	0.066

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
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-OA FACILITIES Lab Sample ID: 140-21885-3

Matrix: Air Lab File ID: SB09P113.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 14:49

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 05:06

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.: 46753 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		
496-11-7	Indane TIC		ND		
95-13-6	Indene TIC		ND		
110-02-1	Thiophene TIC		ND		

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-OA FACILITIES Lab Sample ID: 140-21885-3

Matrix: Air Lab File ID: SB09P113.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 14:49

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 05:06

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.: 46753 Units: ug/m3

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		
496-11-7	Indane TIC		ND		
95-13-6	Indene TIC		ND		
110-02-1	Thiophene TIC		ND		

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D
Lims ID: 140-21885-A-3
Client ID: GPEC-OA FACILITIES
Sample Type: Client
Inject. Date: 10-Feb-2021 05:06:30 ALS Bottle#: 13 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018147-018
Misc. Info.: 140-21885-a-3
Operator ID: HMT Instrument ID: MS

Method: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 10-Feb-2021 17:48:31 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1657

First Level Reviewer: khachitpongpanits Date: 10-Feb-2021 17:48:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.250	9.255	-0.005	96	279343	4.80	
* 2 1,4-Difluorobenzene	114	11.428	11.434	-0.006	95	1313134	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.098	16.098	0.000	88	1114720	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.739	17.744	-0.005	87	810477	4.46	
8 Dichlorodifluoromethane	85	3.875	3.873	0.000	100	58401	0.2652	
9 Chloromethane	52	4.069	4.072	-0.005	100	10501	0.6898	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.074	4.077	-0.006	34	1342	0.0121	
14 Butane	43	4.354	4.352	0.000	92	69885	1.01	
17 Ethanol	31	4.946	4.948	-0.005	96	165765	8.75	
20 Trichlorofluoromethane	101	5.473	5.475	-0.005	100	48894	0.2203	
23 Acetone	58	5.602	5.599	0.000	98	141554	3.26	
24 Isopropyl alcohol	45	5.694	5.680	0.011	96	105841	1.04	
25 Pentane	72	5.721	5.712	0.006	97	3156	0.2442	
29 2-Methyl-2-propanol	59	6.355	6.314	0.037	90	5828	0.0440	
30 112TCTFE	101	6.415	6.416	-0.006	92	12335	0.0693	
31 Methylene Chloride	84	6.608	6.599	0.005	99	34248	0.4079	
33 Carbon disulfide	76	6.786	6.776	0.006	97	7002	0.0328	
39 2-Butanone (MEK)	72	8.453	8.443	0.005	98	10273	0.2655	
40 Hexane	56	8.491	8.481	0.005	87	9150	0.1355	
44 Chloroform	83	9.260	9.260	-0.006	27	3747	0.0205	
48 1,2-Dichloroethane	62	10.417	10.417	-0.005	92	2041	0.0169	
50 Cyclohexane	69	10.896	10.901	-0.010	44	1308	0.0386	
51 Benzene	78	10.901	10.901	-0.005	97	39556	0.1669	
52 Carbon tetrachloride	117	10.923	10.923	-0.005	95	11655	0.0730	
55 Isooctane	57	11.643	11.638	0.000	84	17206	0.0450	
56 n-Heptane	71	11.999	12.004	-0.011	84	4507	0.0624	
58 Trichloroethene	130	12.138	12.133	0.000	16	703	0.006694	
67 Toluene	91	14.150	14.156	-0.006	93	128316	0.4618	
69 2-Hexanone	58	14.586	14.586	0.000	86	1713	0.0199	
70 n-Octane	85	14.807	14.812	-0.005	94	2292	0.0291	
73 Tetrachloroethene	129	15.275	15.280	-0.005	93	5595	0.0556	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
76 Ethylbenzene	91	16.426	16.426	0.000	99	18064	0.0519	
77 m-Xylene & p-Xylene	91	16.577	16.582	-0.005	99	48249	0.1835	
78 n-Nonane	57	16.985	16.985	0.000	94	6897	0.0391	
81 o-Xylene	91	17.114	17.114	0.000	97	17807	0.0599	
90 n-Decane	57	18.723	18.728	-0.005	92	14025	0.0554	
92 1,2,4-Trimethylbenzene	105	18.884	18.890	-0.006	97	11903	0.0344	
104 Undecane	57	20.025	20.019	0.006	91	9835	0.0340	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

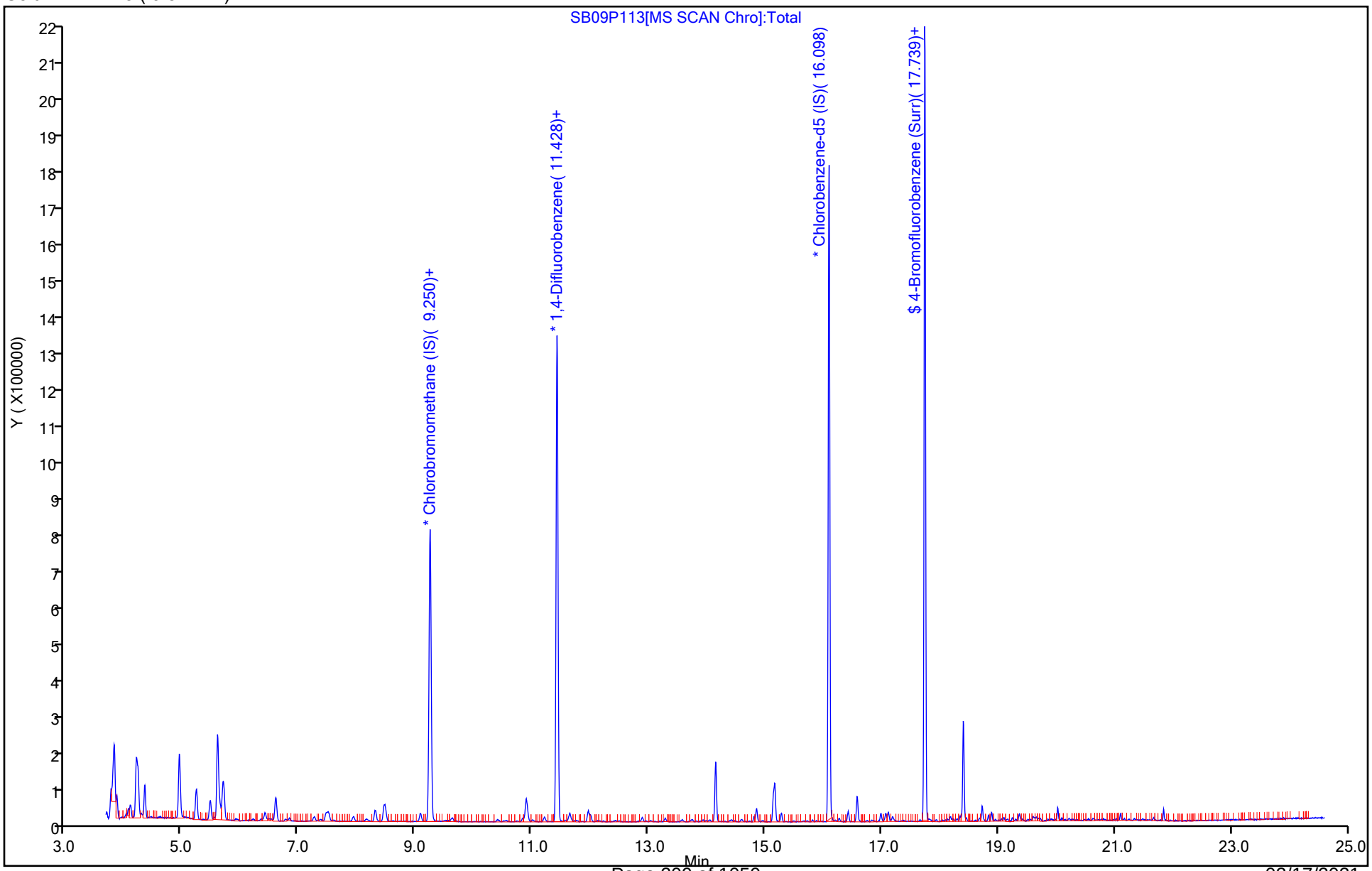
Report Date: 10-Feb-2021 17:48:31 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D

Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3	Worklist Smp#:	18
Client ID:	GPEC-OA FACILITIES				
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)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D				
Lims ID:	140-21885-A-3				
Client ID:	GPEC-OA FACILITIES				
Sample Type:	Client				
Inject. Date:	10-Feb-2021 05:06:30	ALS Bottle#:	13	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018147-018				
Misc. Info.:	140-21885-a-3				
Operator ID:	HMT	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	10-Feb-2021 17:48:31	Calib Date:	21-Jan-2021 08:11:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1657				

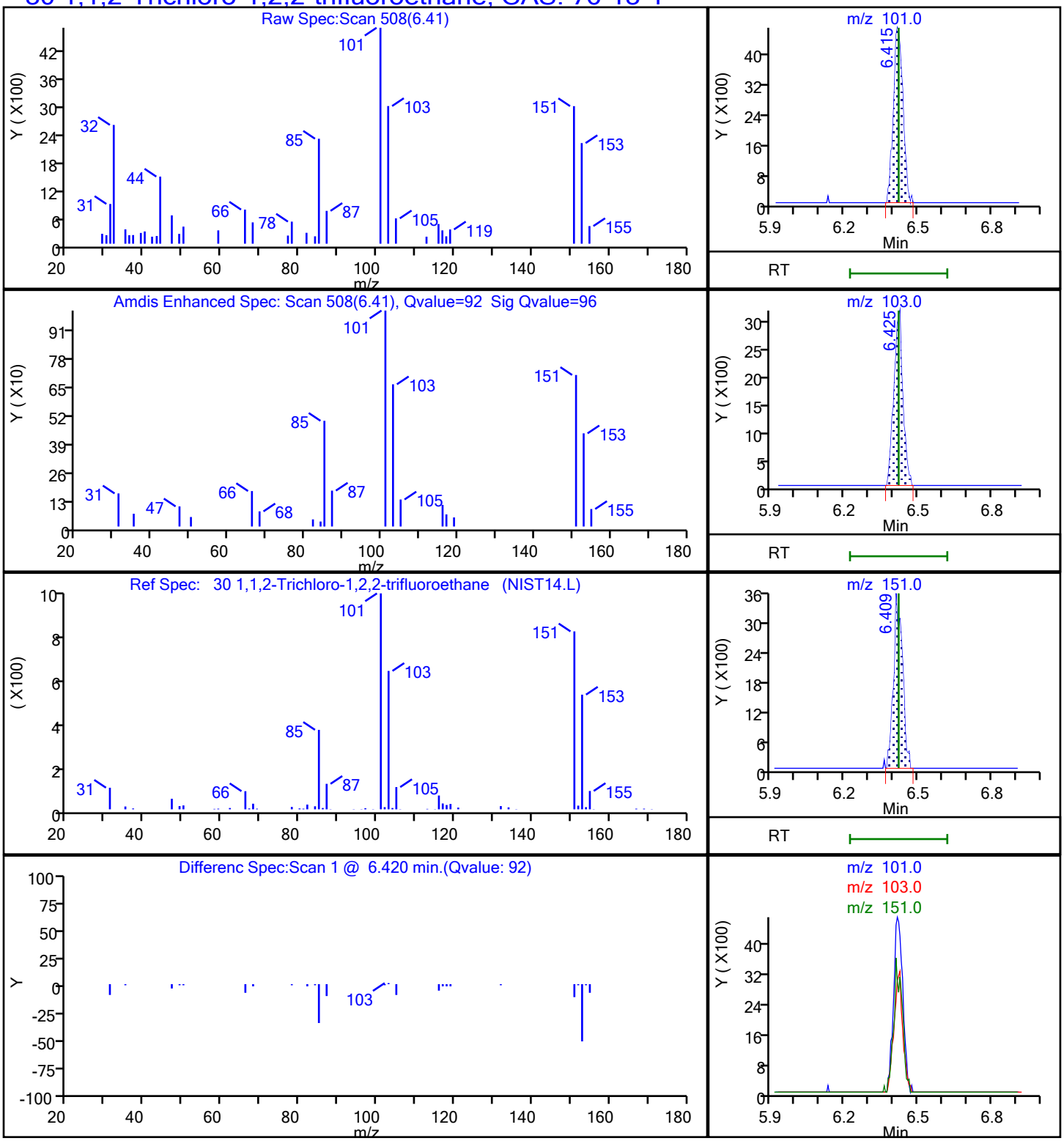
First Level Reviewer: khachitpongpanits Date: 10-Feb-2021 17:48:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.46	96.07

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D				
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
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		

30 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D

Injection Date: 10-Feb-2021 05:06:30 Instrument ID: MS

Lims ID: 140-21885-A-3 Lab Sample ID: 140-21885-3

Client ID: GPEC-OA FACILITIES

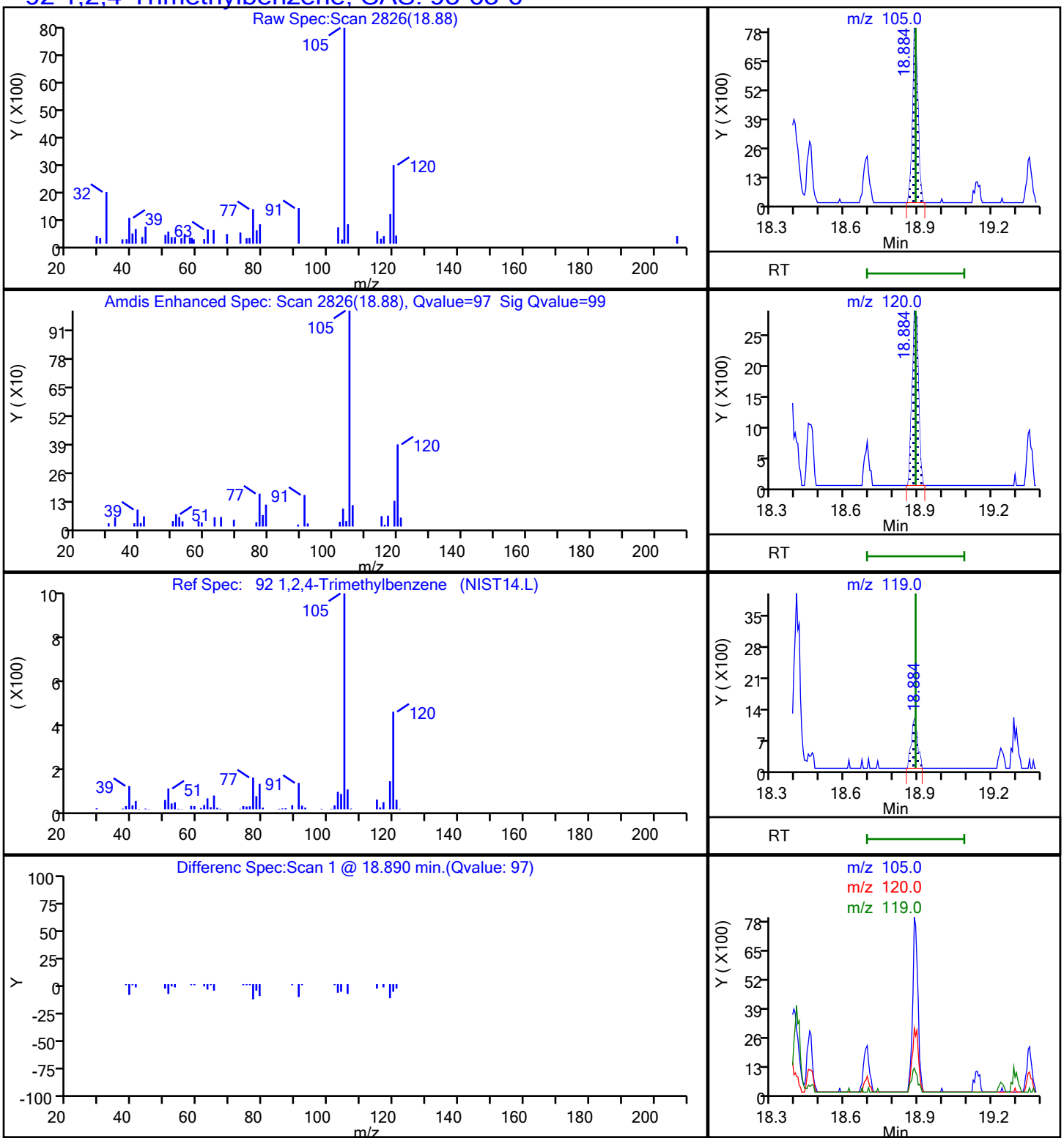
Operator ID: HMT ALS Bottle#: 13 Worklist Smp#: 18

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

92 1,2,4-Trimethylbenzene, CAS: 95-63-6

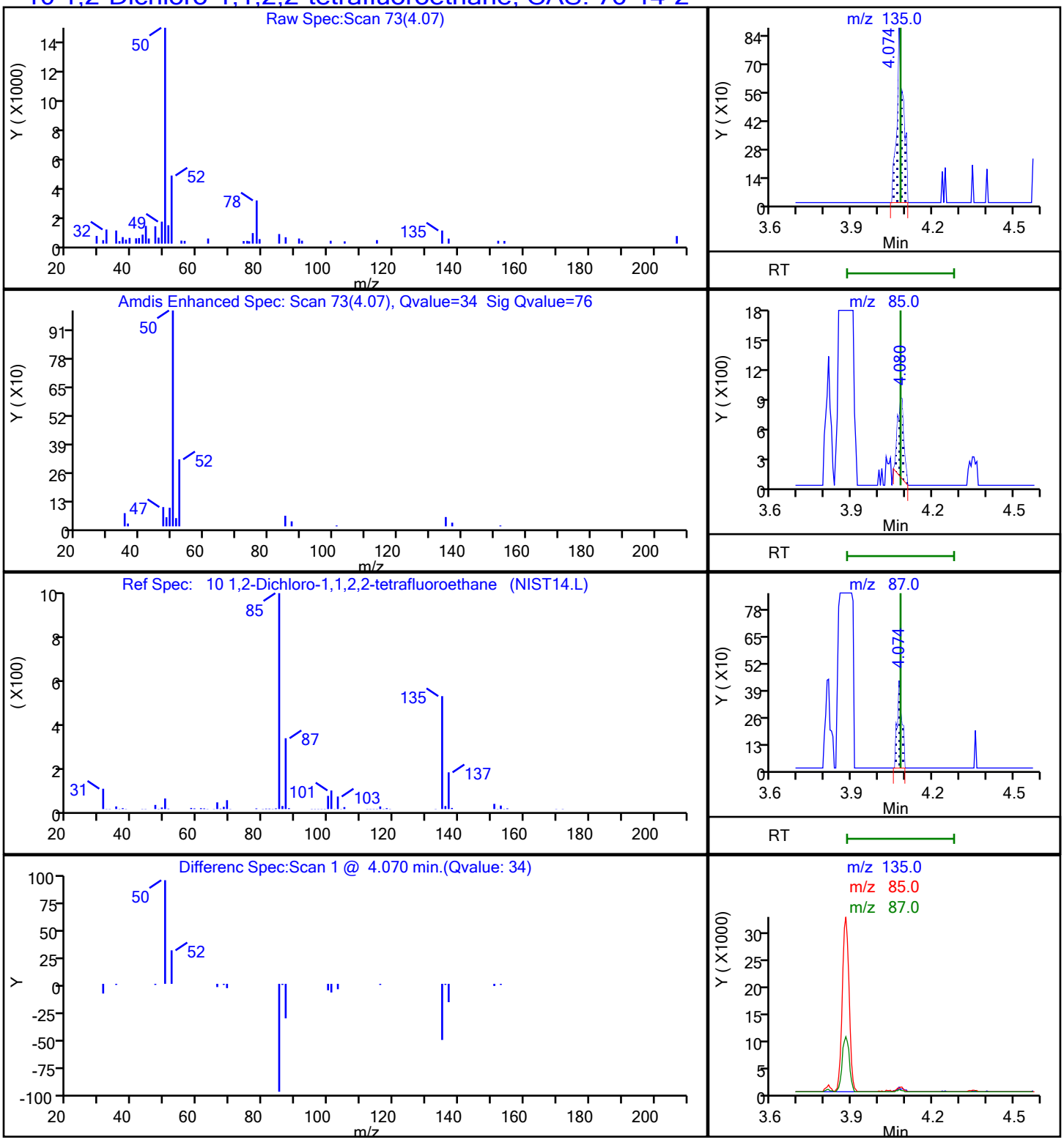


Report Date: 10-Feb-2021 17:48:31 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D				
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
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		

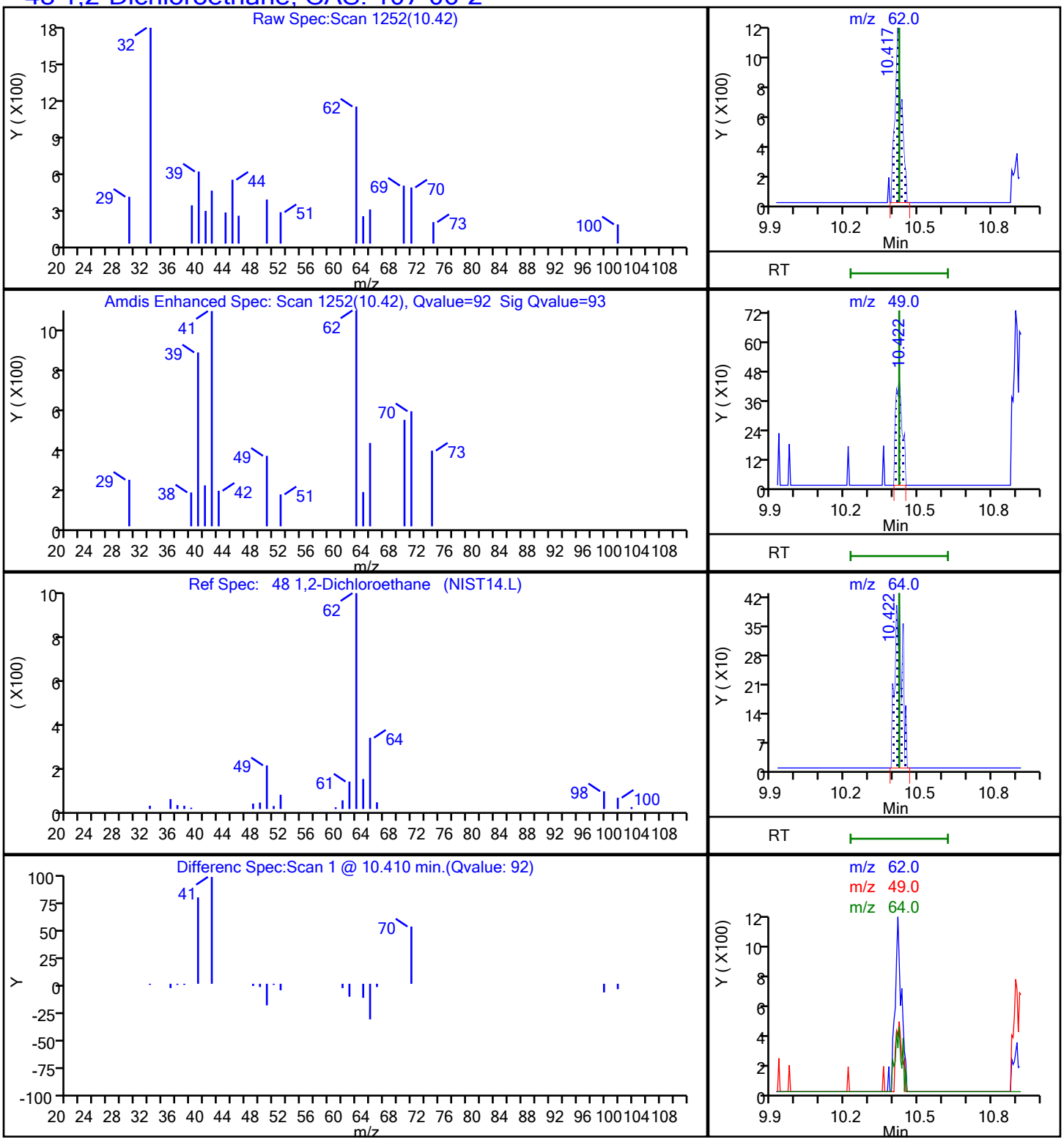
10 1,2-Dichloro-1,1,2,2-tetrafluoroethane, CAS: 76-14-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D				
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
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		

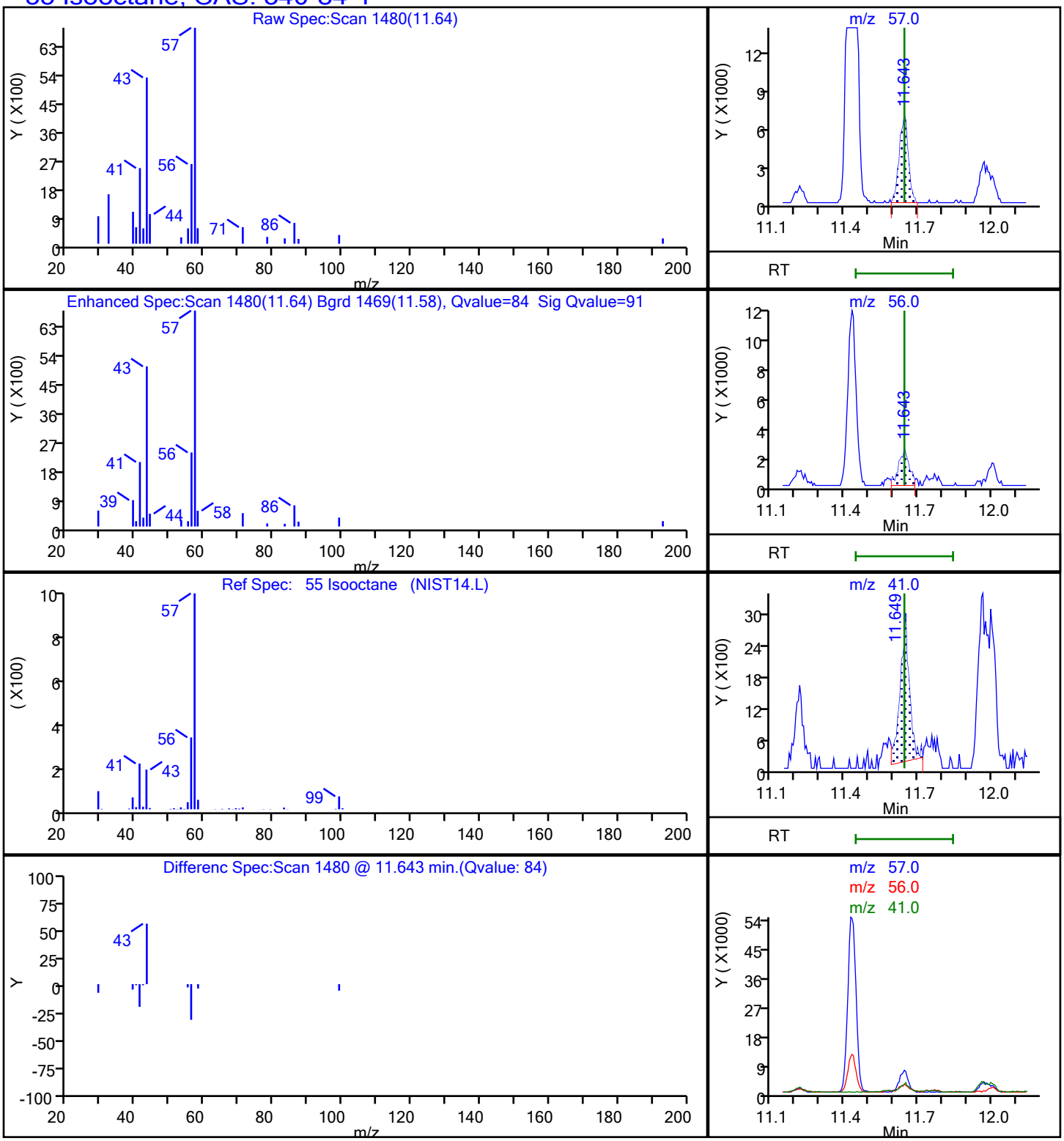
48 1,2-Dichloroethane, CAS: 107-06-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D		
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3
Client ID:	GPEC-OA FACILITIES		
Operator ID:	HMT	ALS Bottle#:	13 Worklist Smp#: 18
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

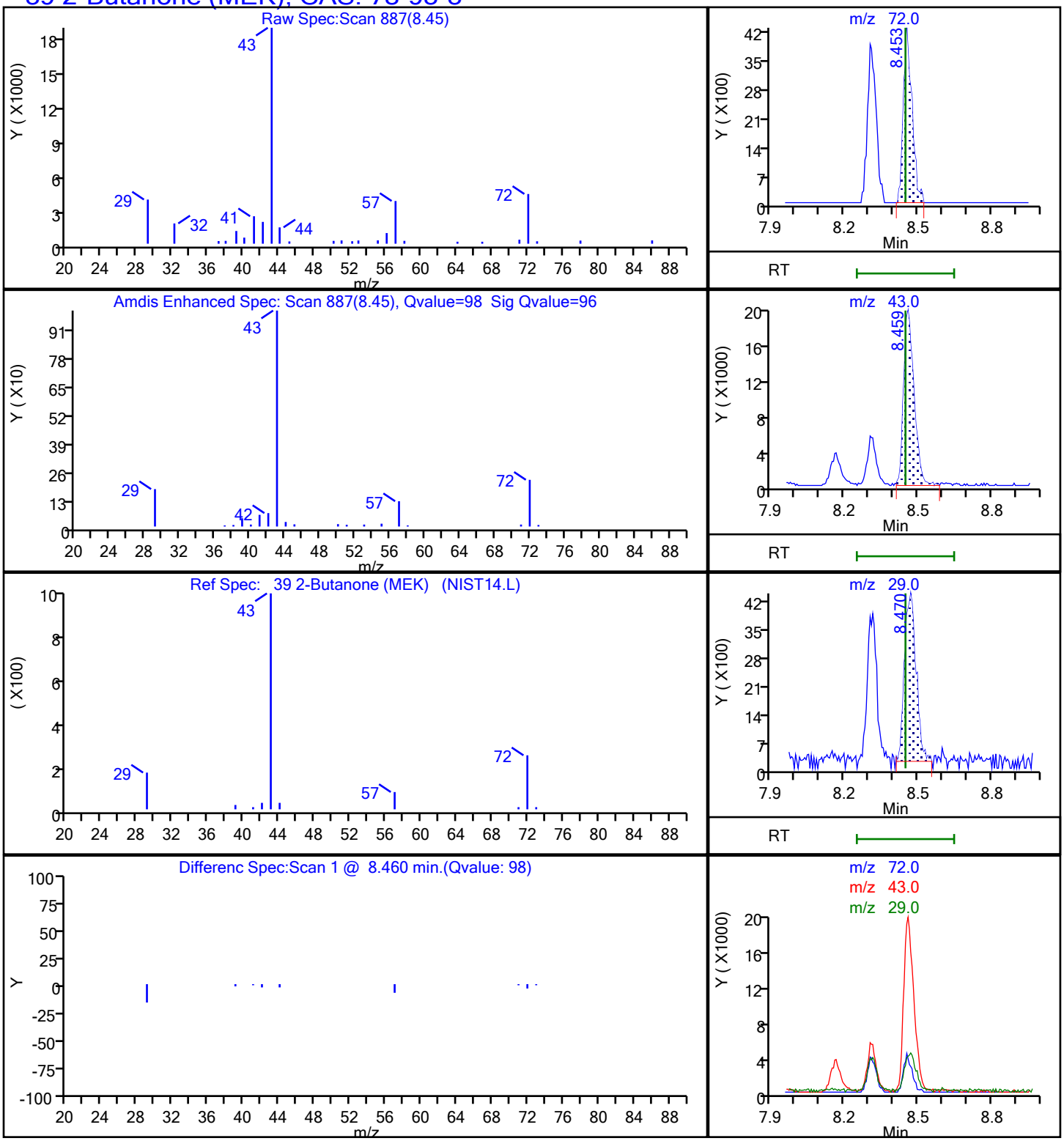
55 Isooctane, CAS: 540-84-1



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D		
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3
Client ID:	GPEC-OA FACILITIES		
Operator ID:	HMT	ALS Bottle#:	13 Worklist Smp#: 18
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

39 2-Butanone (MEK), CAS: 78-93-3

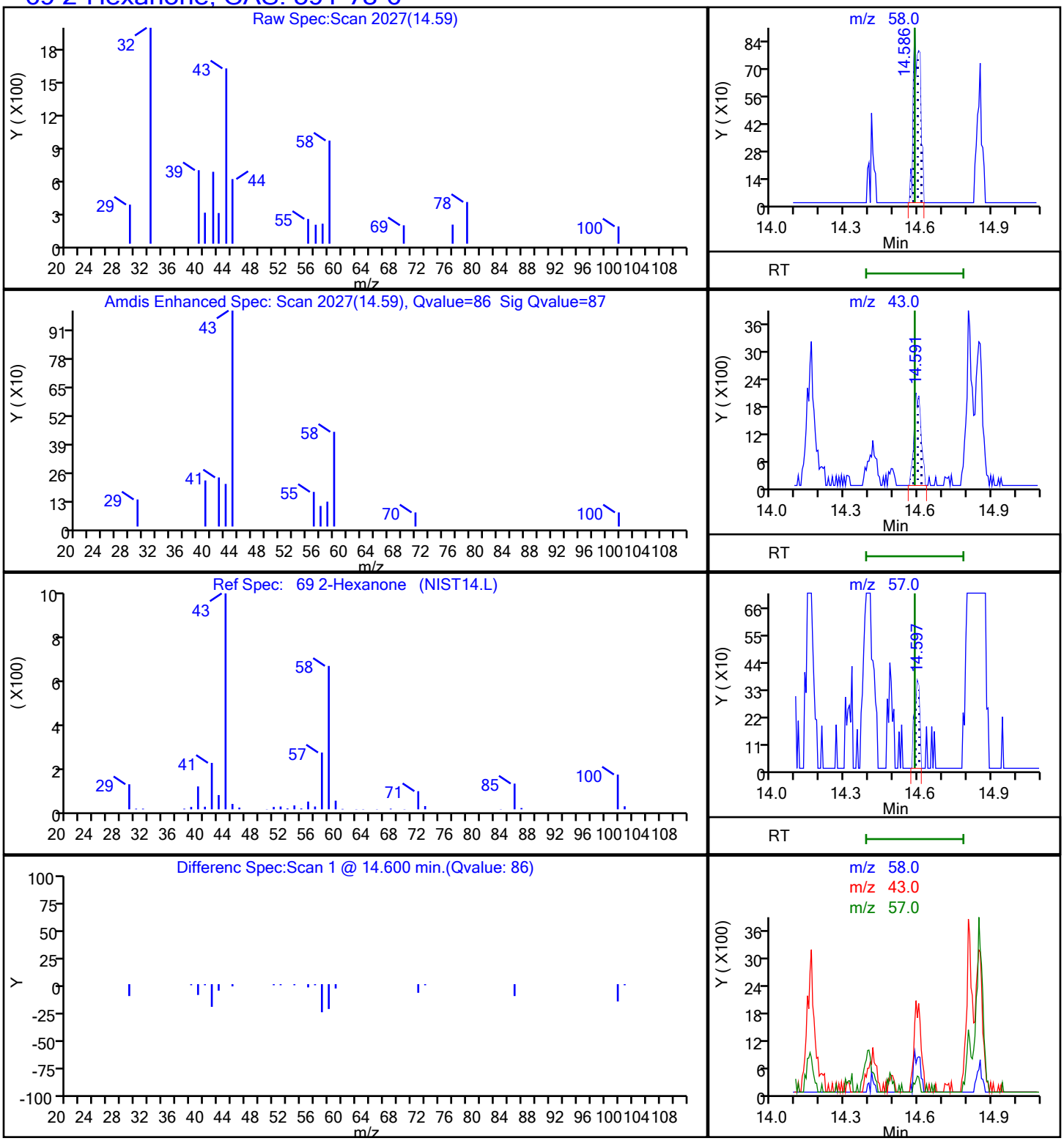


Report Date: 10-Feb-2021 17:48:32 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D				
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
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		

69 2-Hexanone, CAS: 591-78-6



Report Date: 10-Feb-2021 17:48:31 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

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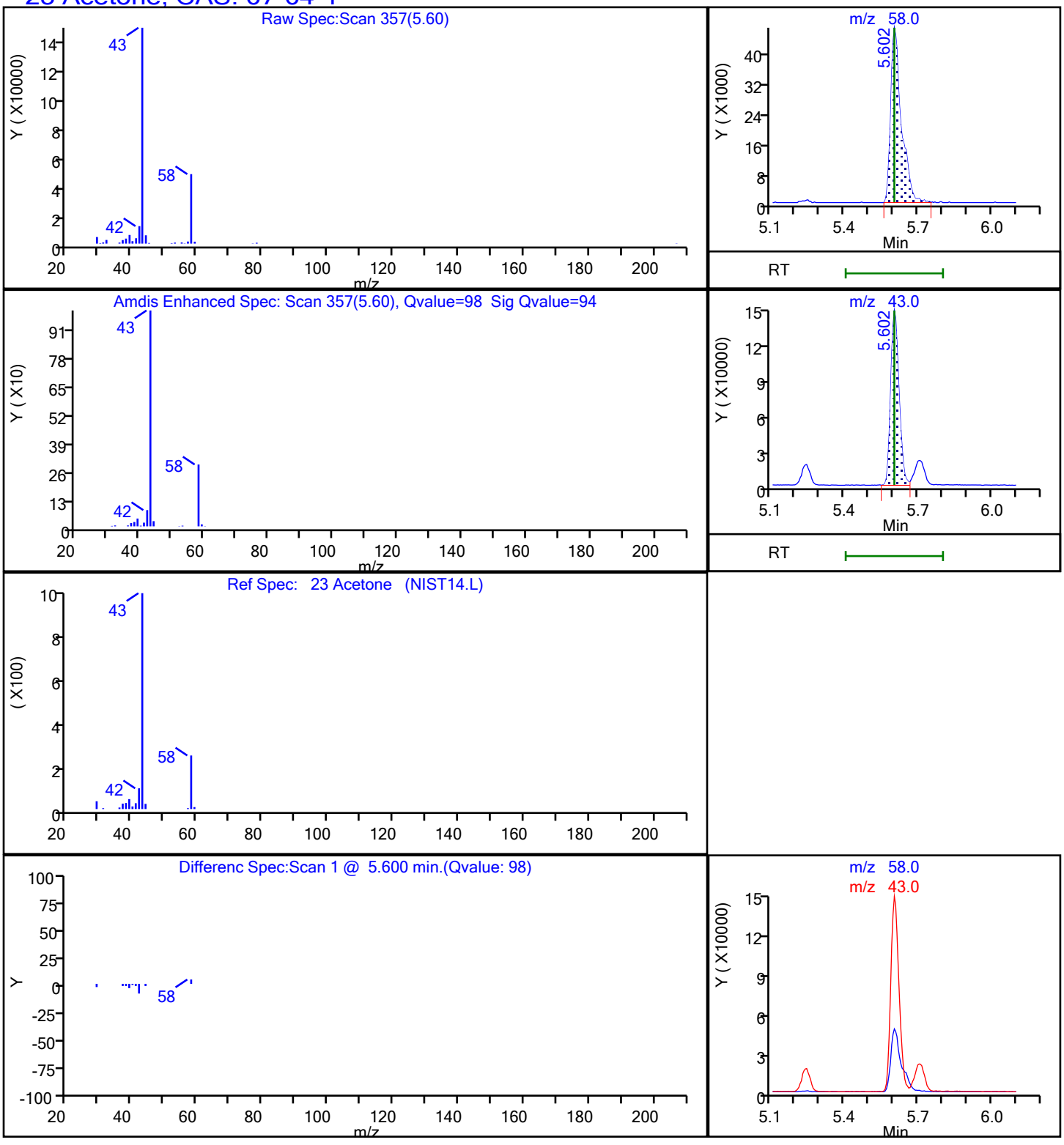
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1



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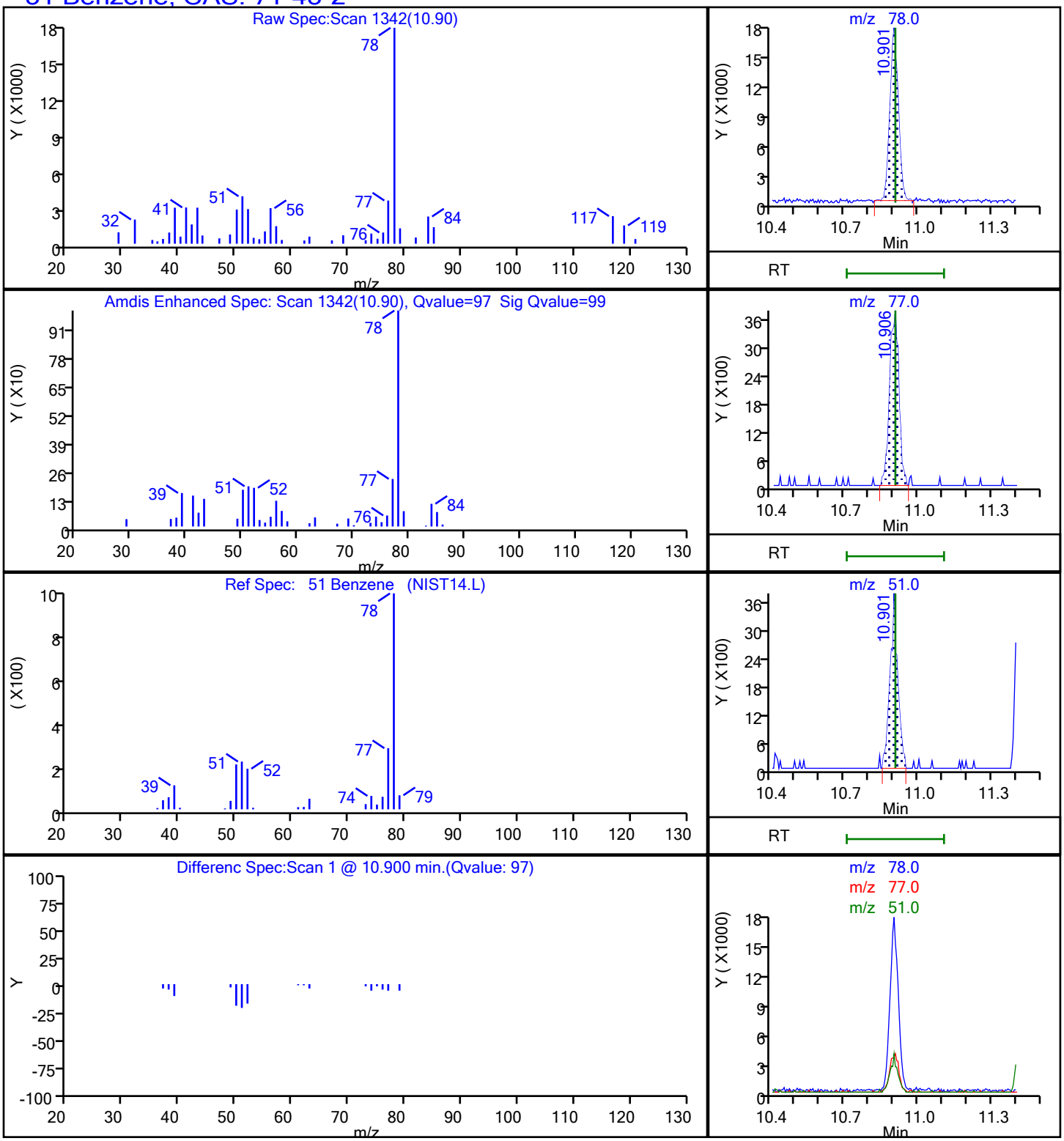
Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D				
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
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		

51 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Knoxville

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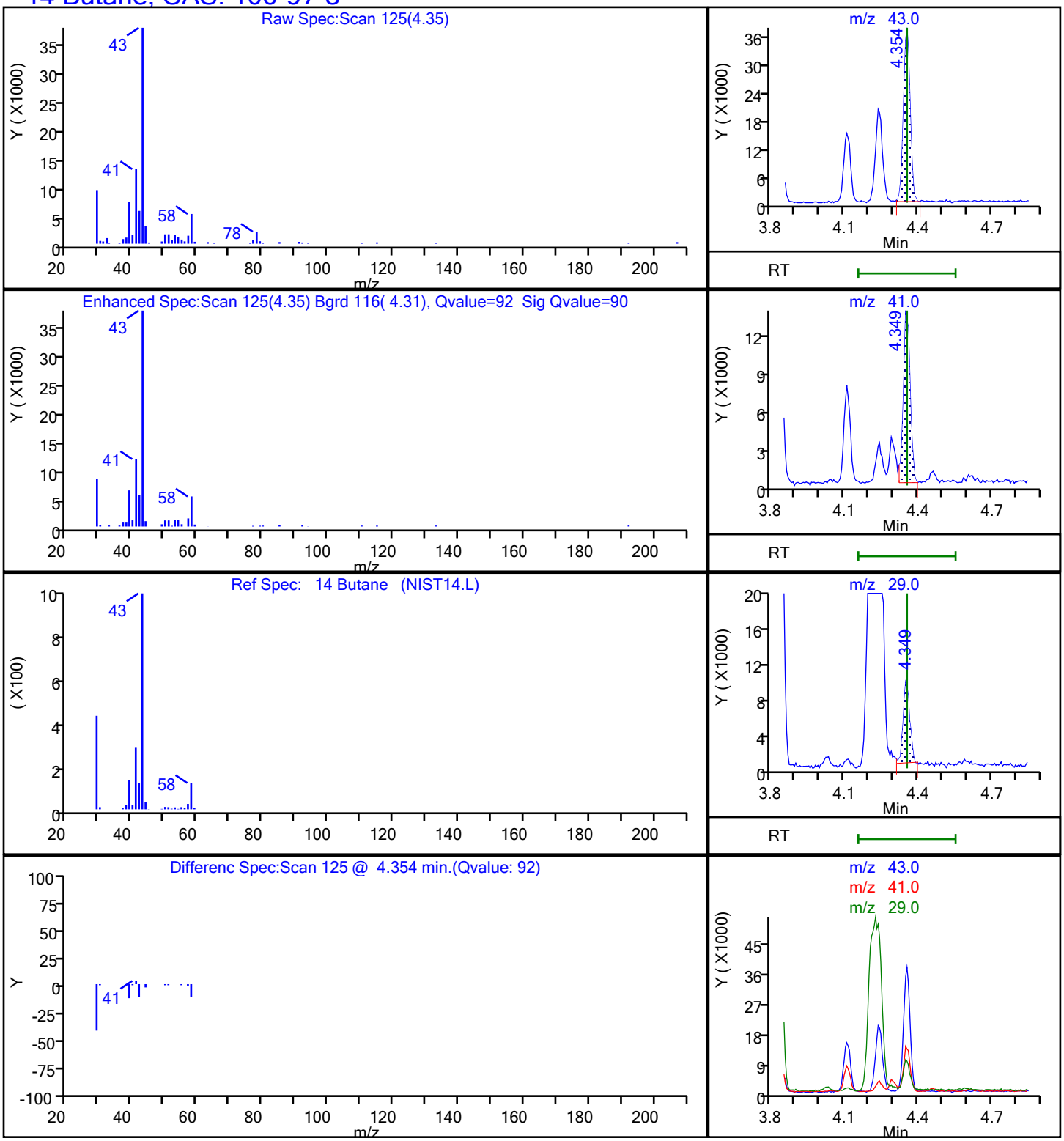
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3
Client ID:	GPEC-OA FACILITIES		
Operator ID:	HMT	ALS Bottle#:	13 Worklist Smp#: 18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

14 Butane, CAS: 106-97-8



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D

Injection Date: 10-Feb-2021 05:06:30 Instrument ID: MS

Lims ID: 140-21885-A-3 Lab Sample ID: 140-21885-3

Client ID: GPEC-OA FACILITIES

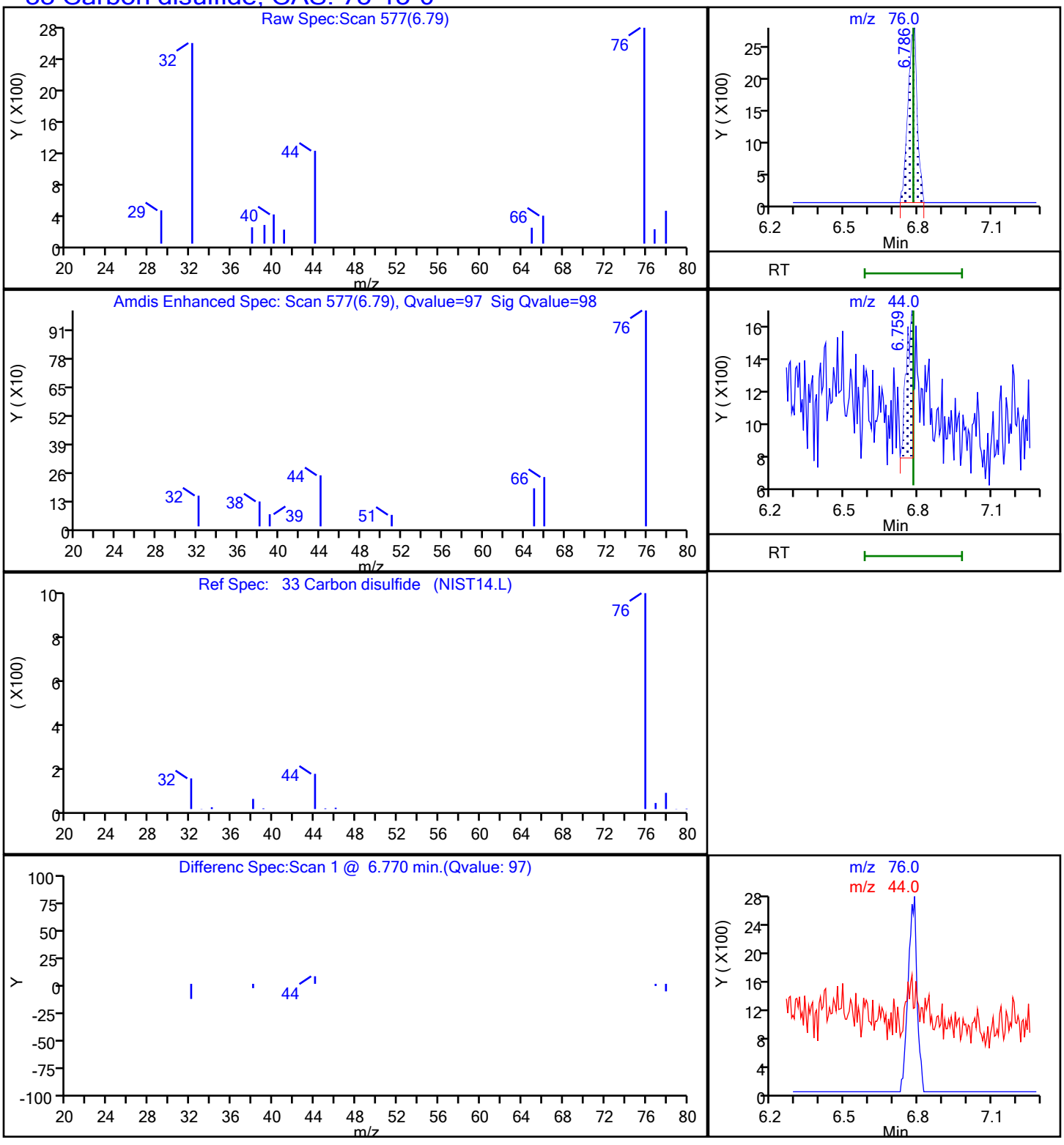
Operator ID: HMT ALS Bottle#: 13 Worklist Smp#: 18

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

33 Carbon disulfide, CAS: 75-15-0



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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D

Injection Date: 10-Feb-2021 05:06:30 Instrument ID: MS

Lims ID: 140-21885-A-3 Lab Sample ID: 140-21885-3

Client ID: GPEC-OA FACILITIES

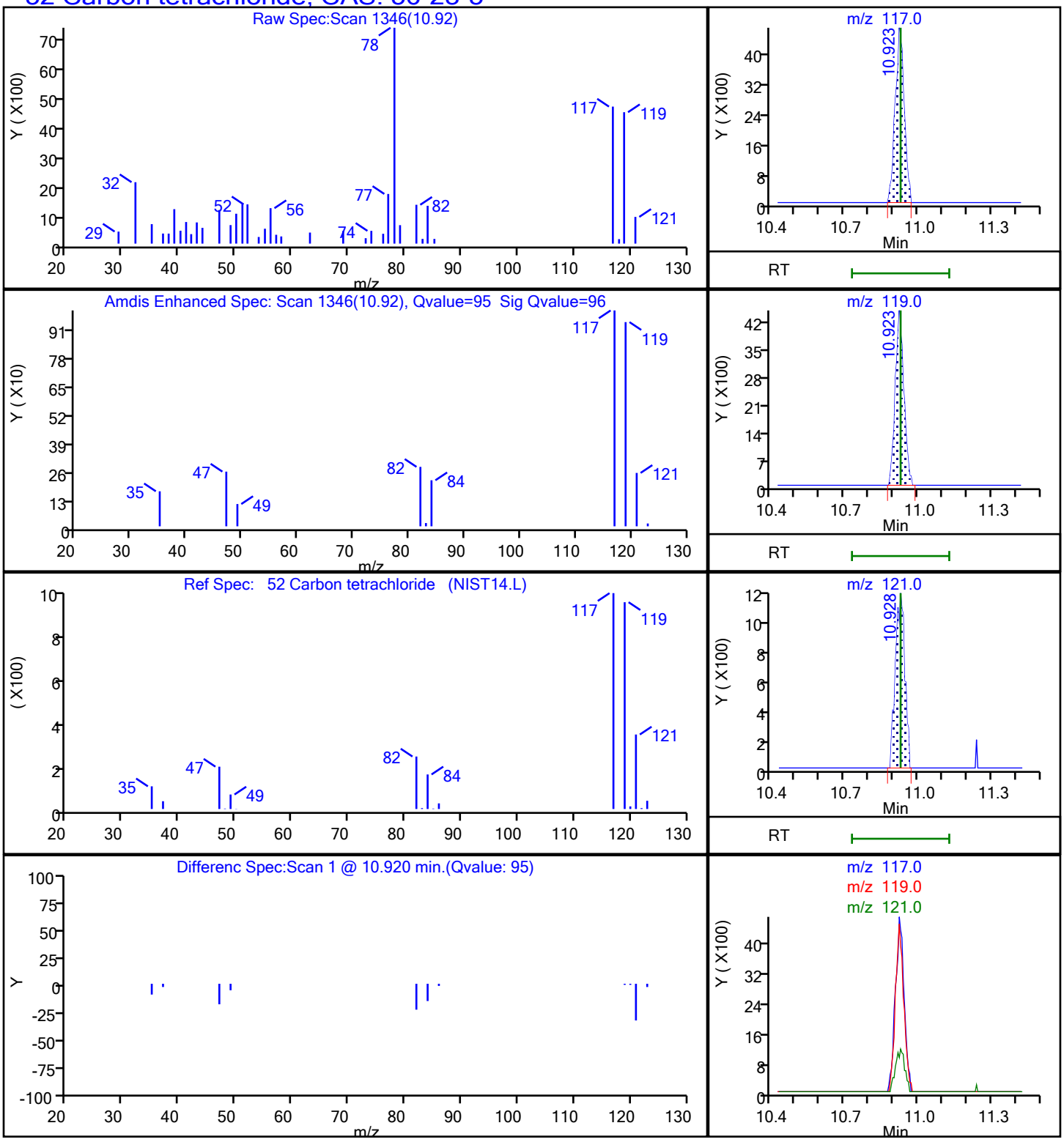
Operator ID: HMT ALS Bottle#: 13 Worklist Smp#: 18

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

52 Carbon tetrachloride, CAS: 56-23-5



Eurofins TestAmerica, Knoxville

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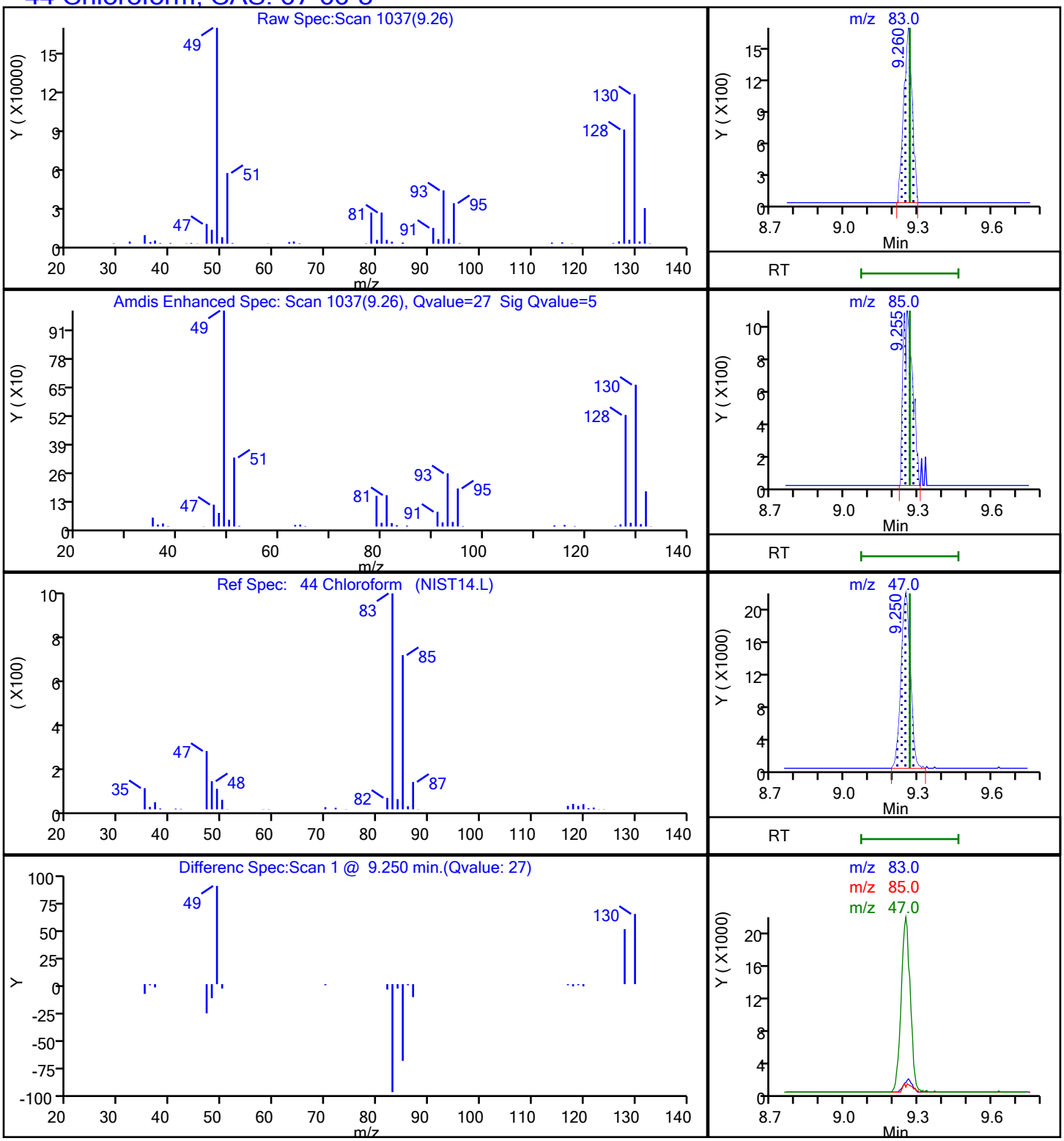
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3
Client ID:	GPEC-OA FACILITIES		
Operator ID:	HMT	ALS Bottle#:	13 Worklist Smp#: 18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

44 Chloroform, CAS: 67-66-3



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Eurofins TestAmerica, Knoxville

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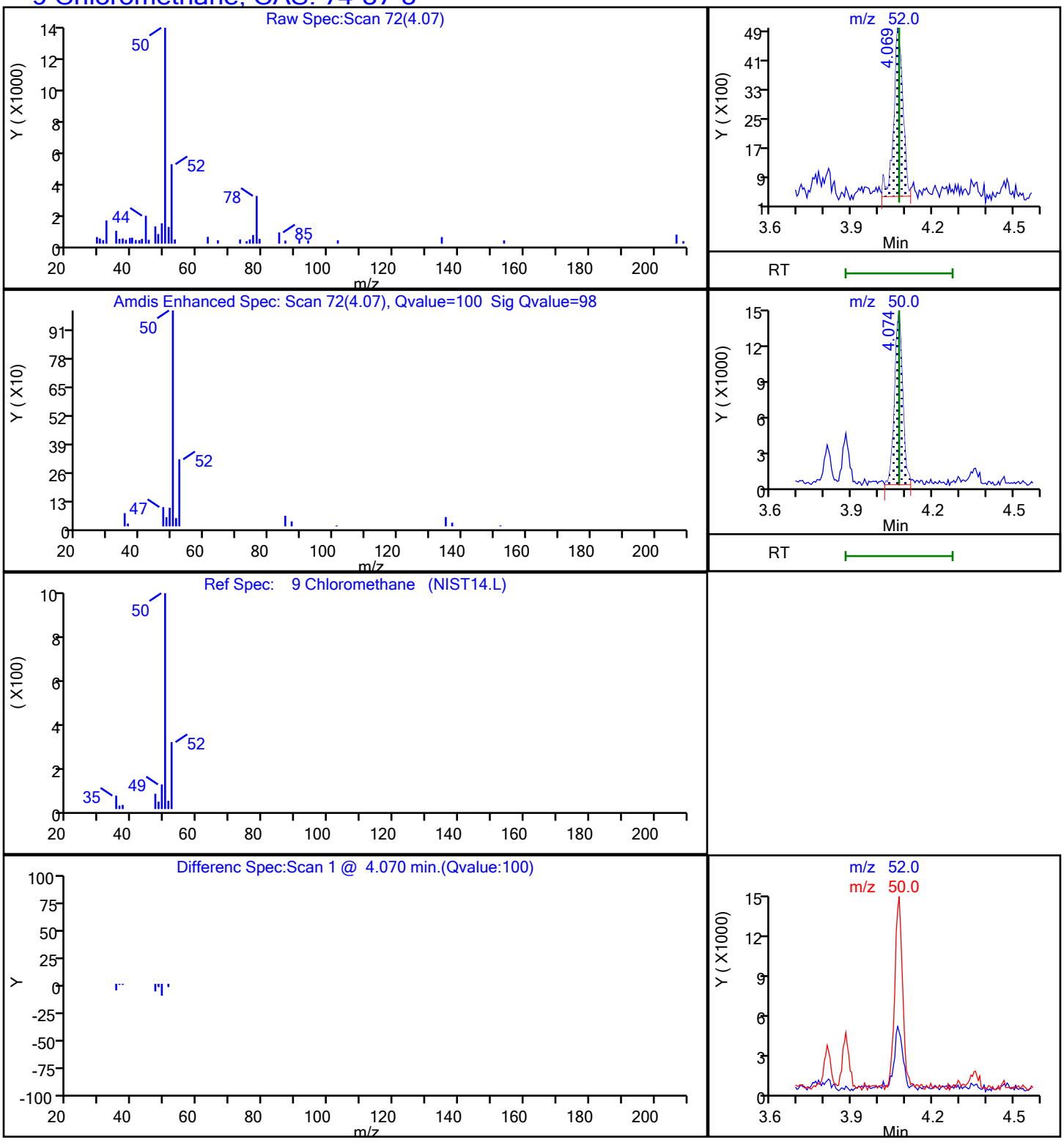
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

9 Chloromethane, CAS: 74-87-3



Eurofins TestAmerica, Knoxville

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Injection Date: 10-Feb-2021 05:06:30 Instrument ID: MS

Lims ID: 140-21885-A-3 Lab Sample ID: 140-21885-3

Client ID: GPEC-OA FACILITIES

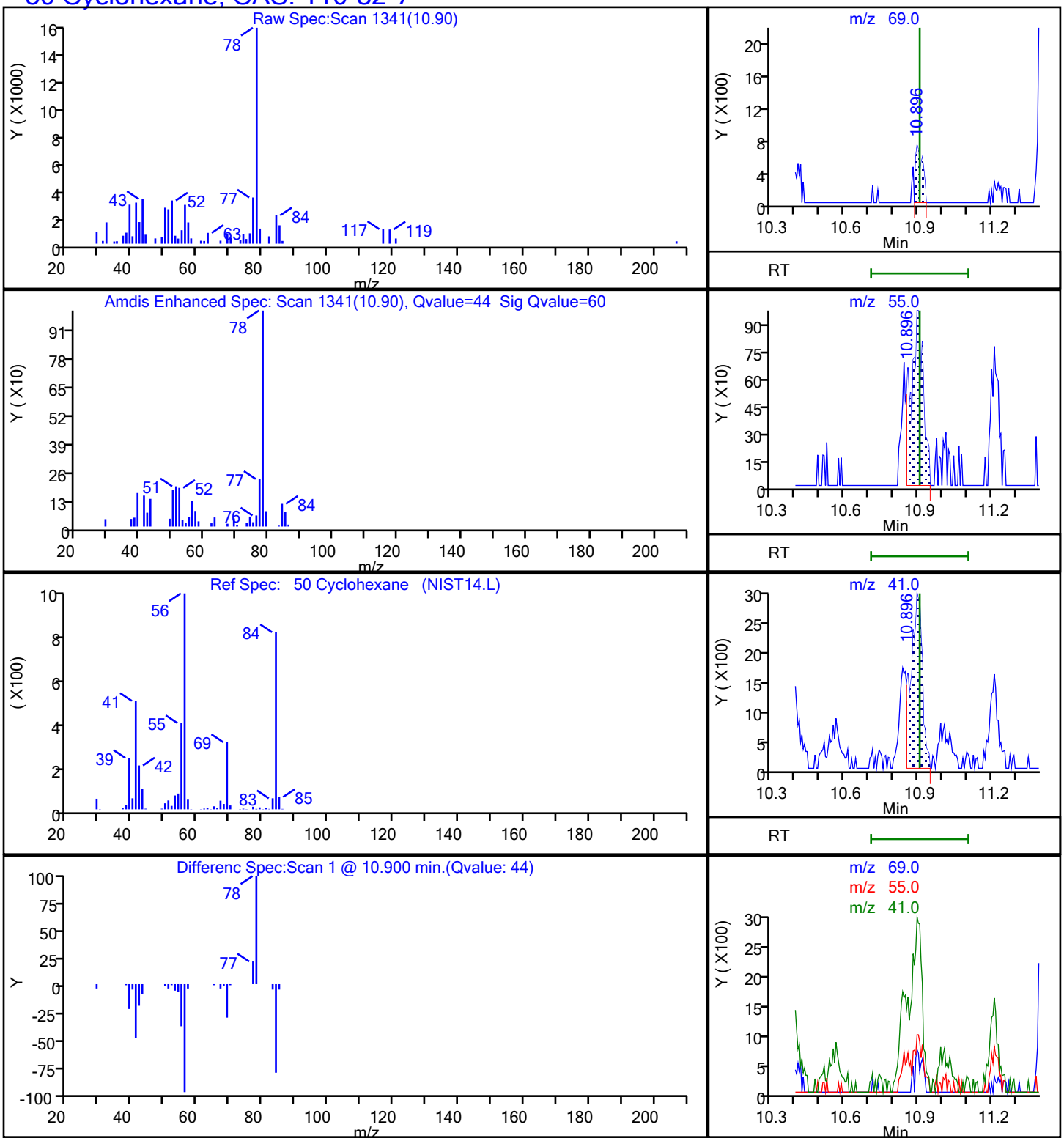
Operator ID: HMT ALS Bottle#: 13 Worklist Smp#: 18

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

50 Cyclohexane, CAS: 110-82-7



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Eurofins TestAmerica, Knoxville

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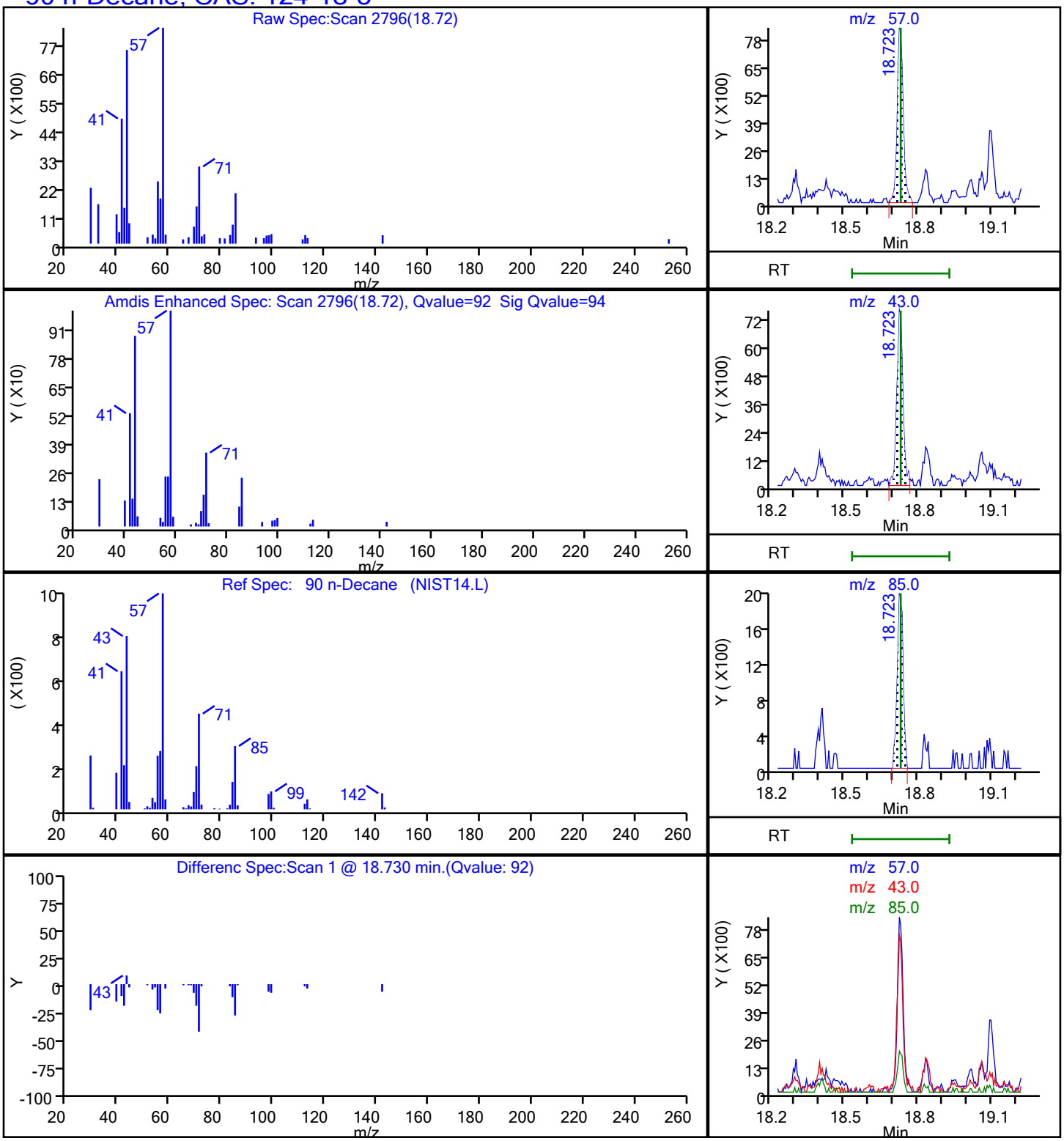
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

90 n-Decane, CAS: 124-18-5



Eurofins TestAmerica, Knoxville

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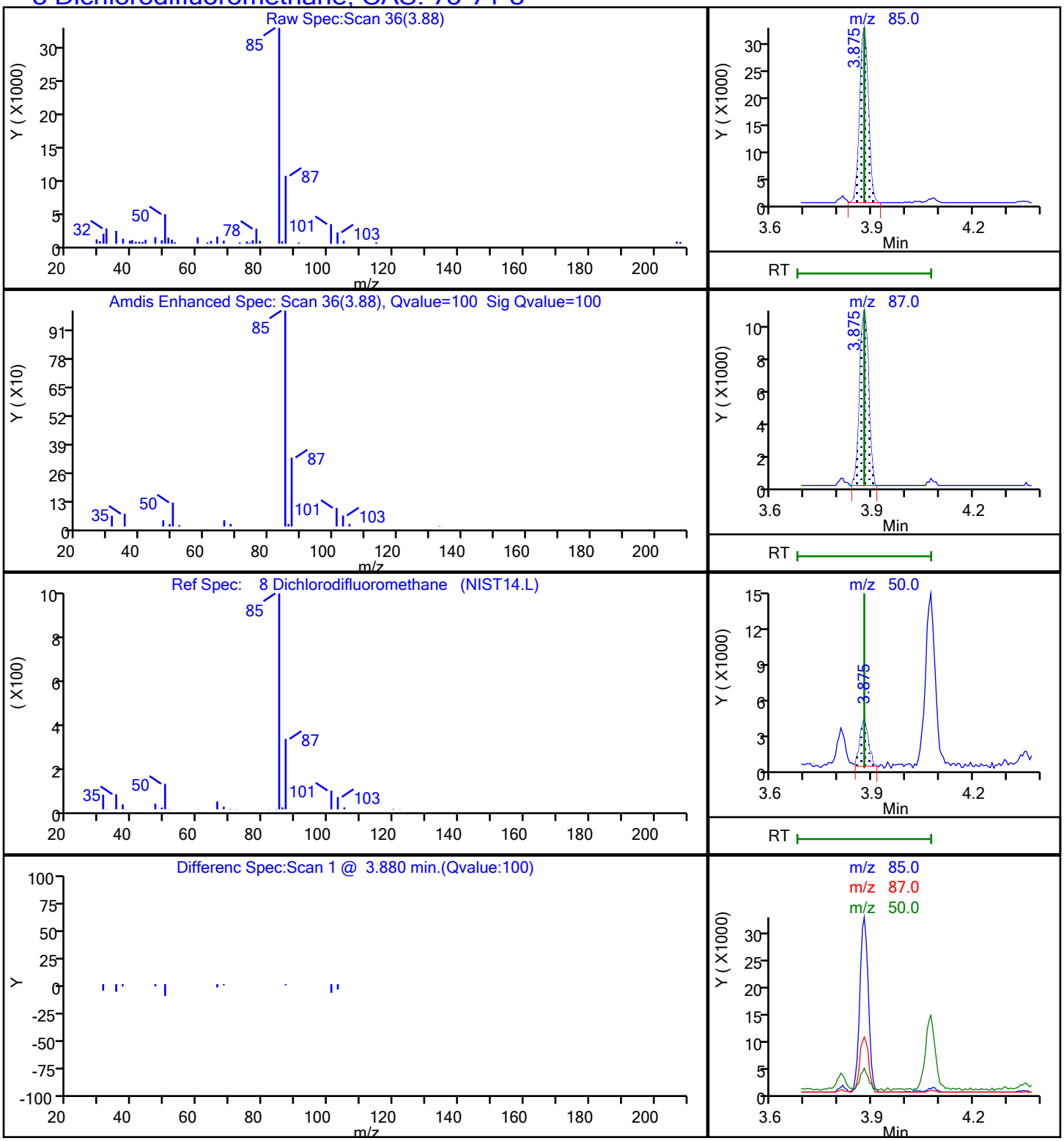
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

8 Dichlorodifluoromethane, CAS: 75-71-8



Eurofins TestAmerica, Knoxville

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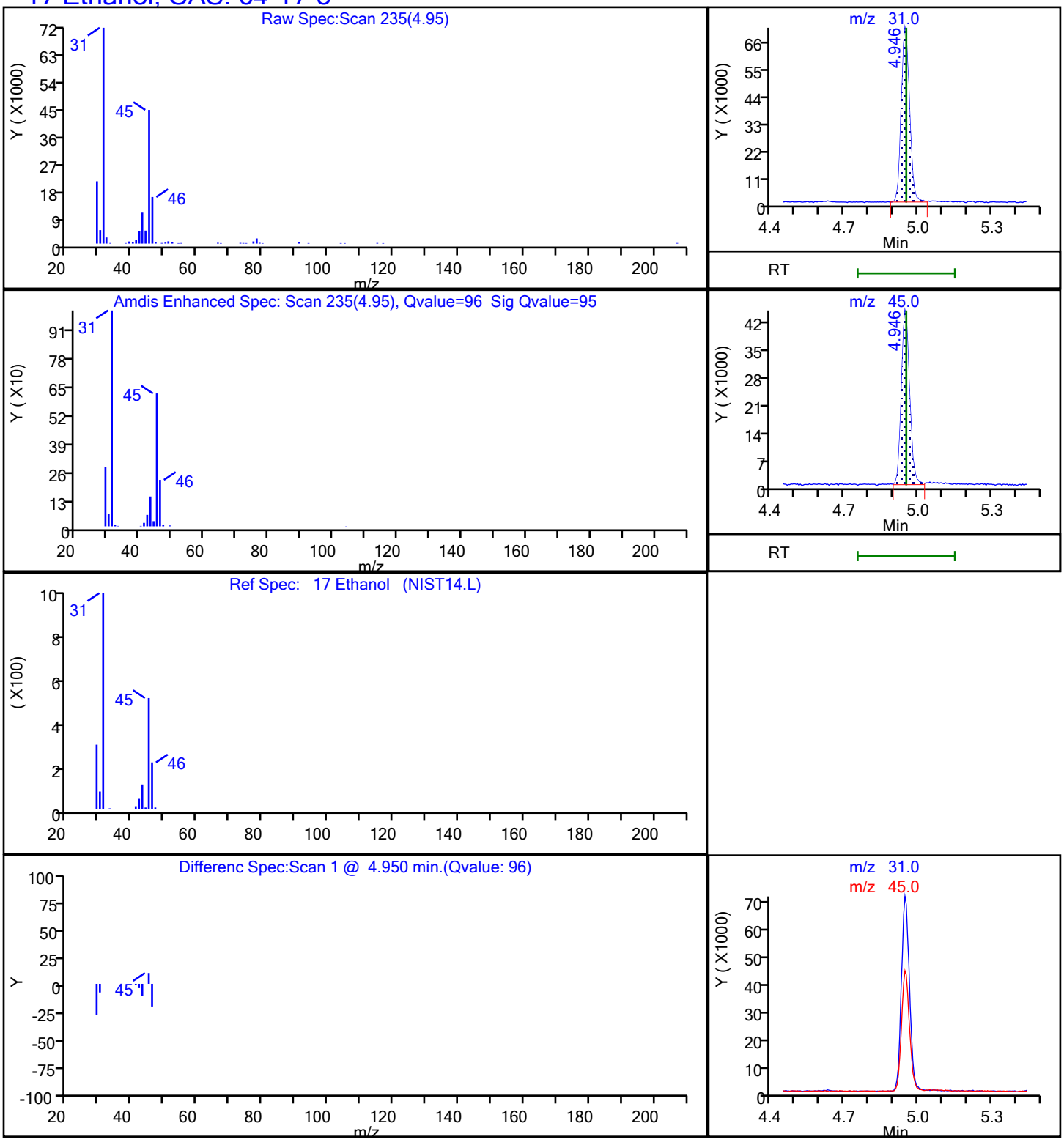
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3
Client ID:	GPEC-OA FACILITIES		
Operator ID:	HMT	ALS Bottle#:	13 Worklist Smp#: 18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

17 Ethanol, CAS: 64-17-5



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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D

Injection Date: 10-Feb-2021 05:06:30 Instrument ID: MS

Lims ID: 140-21885-A-3 Lab Sample ID: 140-21885-3

Client ID: GPEC-OA FACILITIES

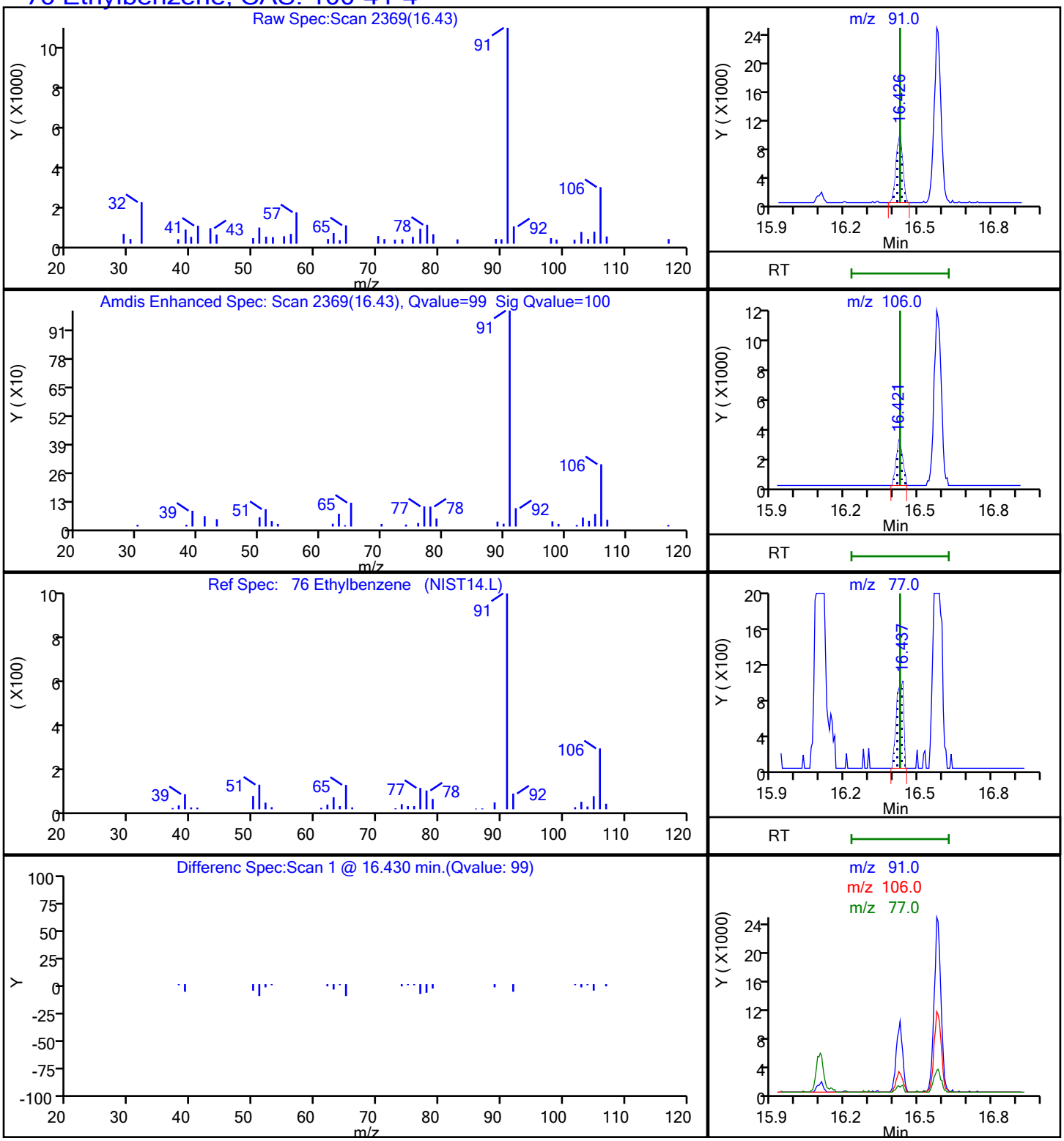
Operator ID: HMT ALS Bottle#: 13 Worklist Smp#: 18

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

76 Ethylbenzene, CAS: 100-41-4



Eurofins TestAmerica, Knoxville

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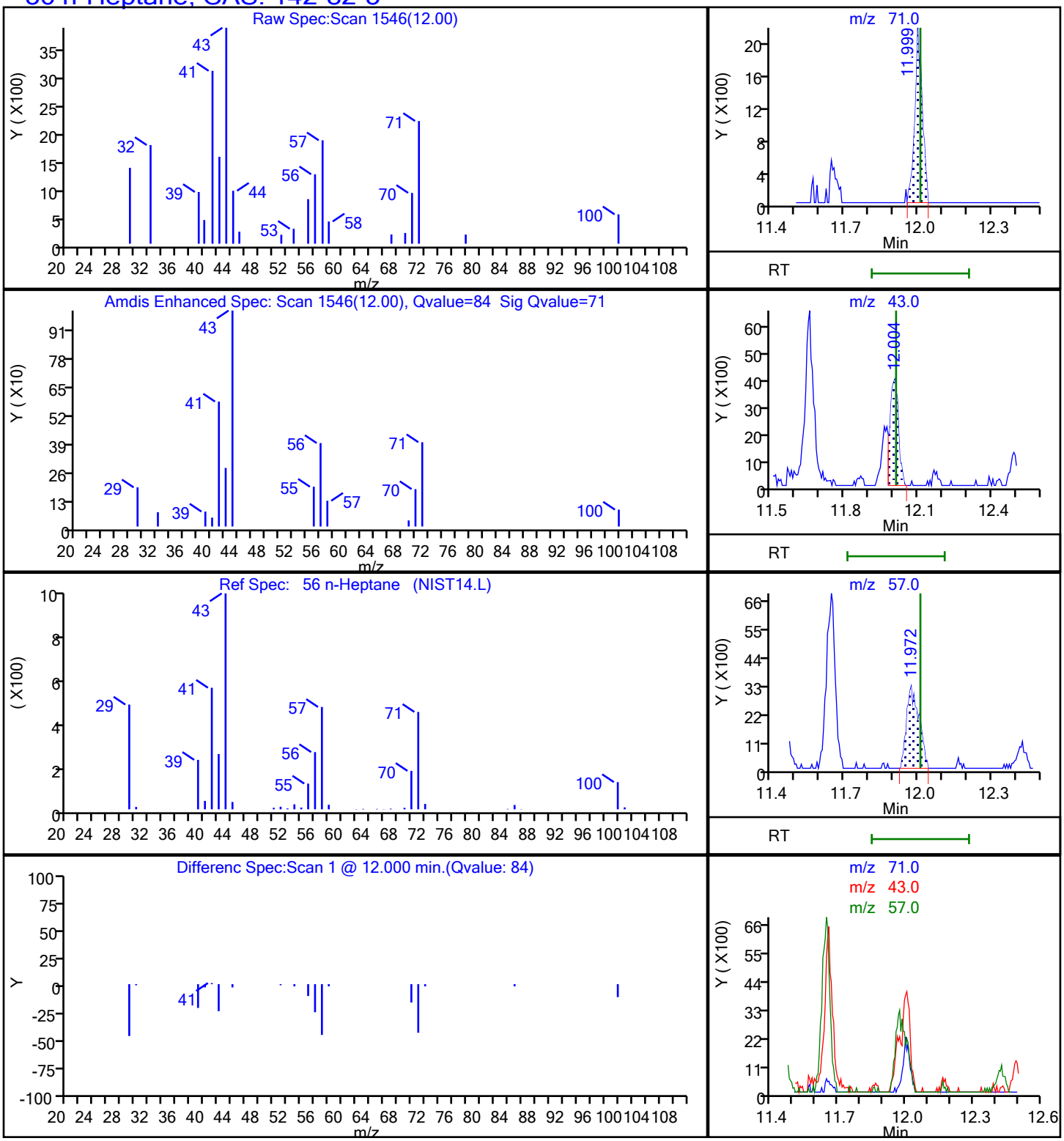
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

56 n-Heptane, CAS: 142-82-5



Eurofins TestAmerica, Knoxville

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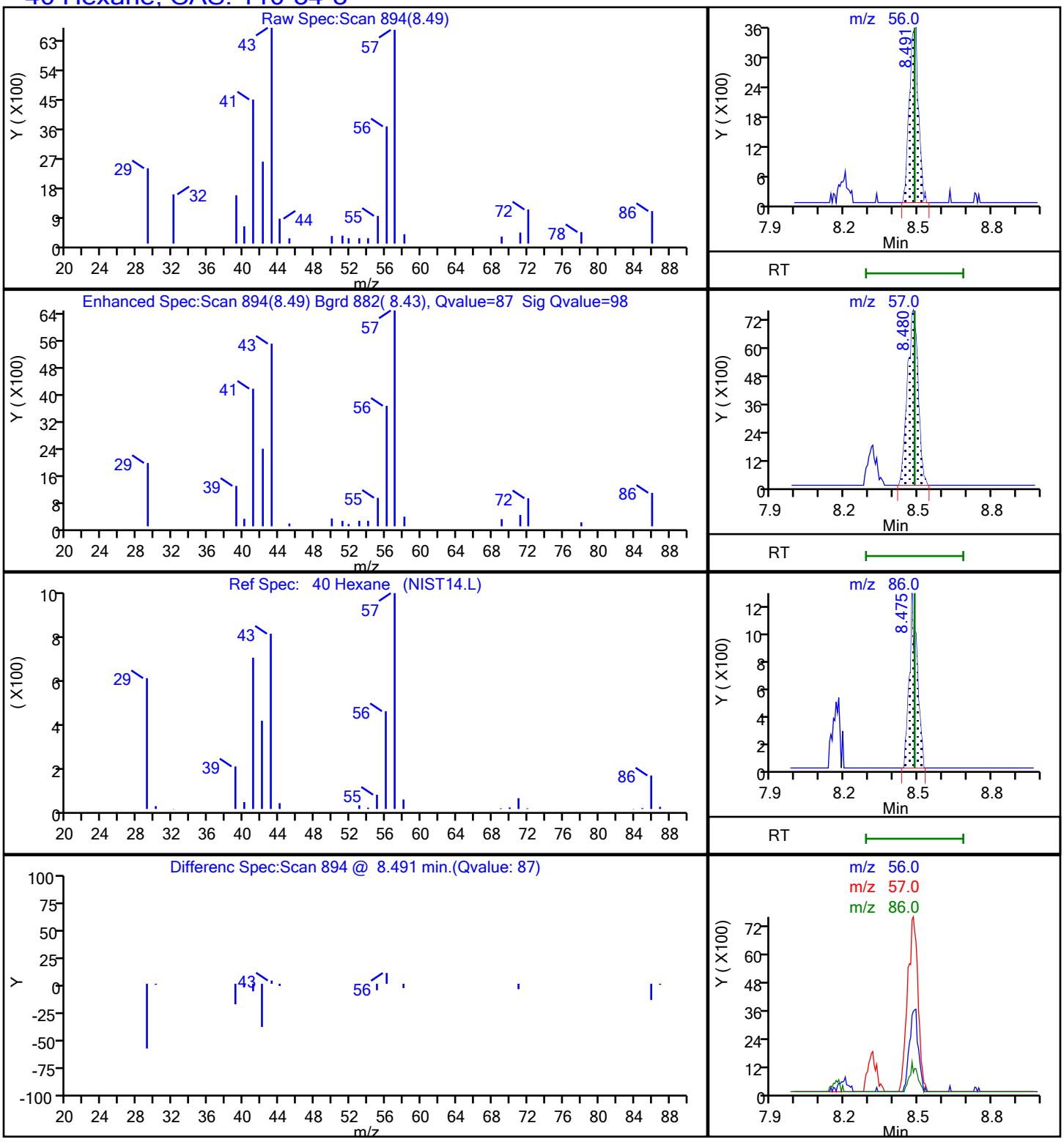
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3
Client ID:	GPEC-OA FACILITIES		
Operator ID:	HMT	ALS Bottle#:	13 Worklist Smp#: 18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

40 Hexane, CAS: 110-54-3



Eurofins TestAmerica, Knoxville

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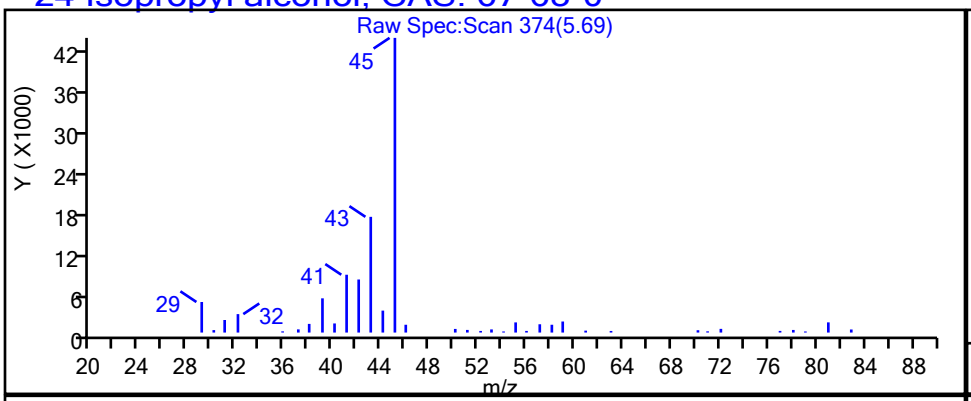
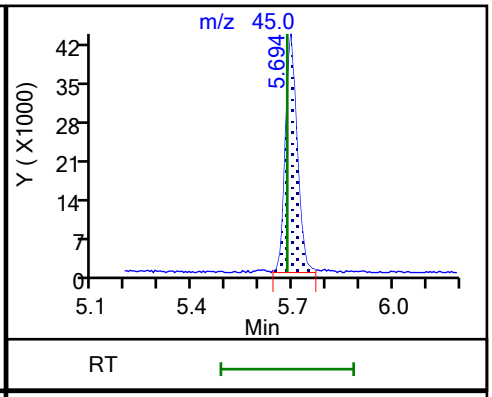
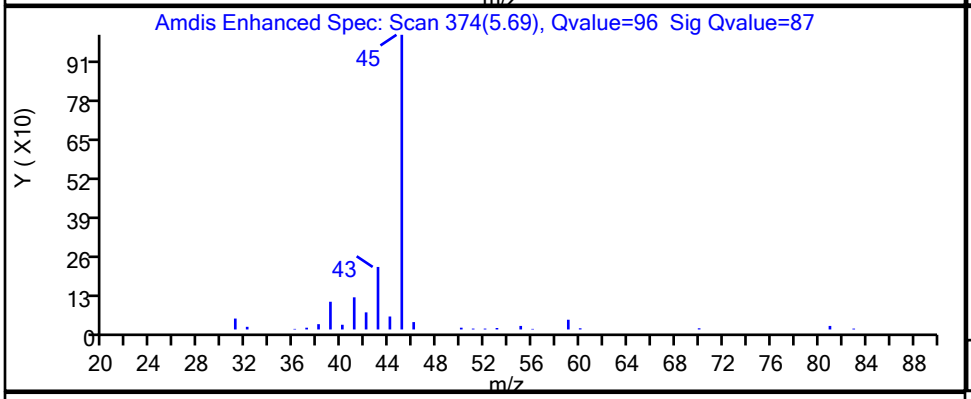
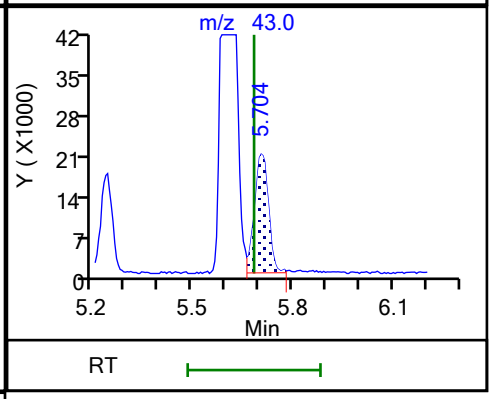
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

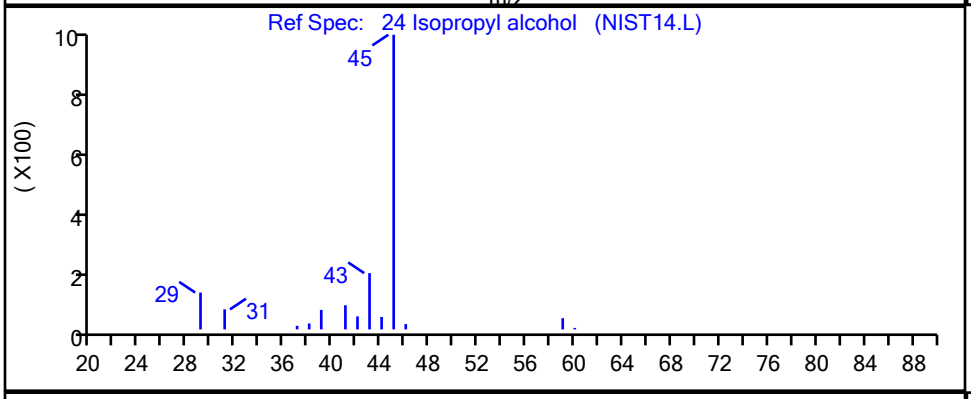
24 Isopropyl alcohol, CAS: 67-63-0

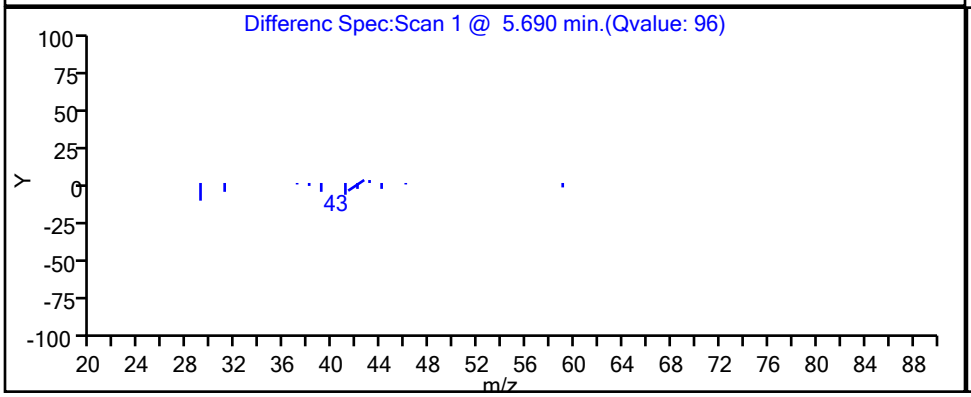


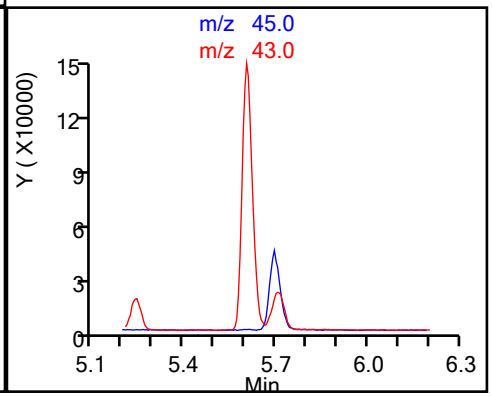












Report Date: 10-Feb-2021 17:48:32 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D

Injection Date: 10-Feb-2021 05:06:30 Instrument ID: MS

Lims ID: 140-21885-A-3 Lab Sample ID: 140-21885-3

Client ID: GPEC-OA FACILITIES

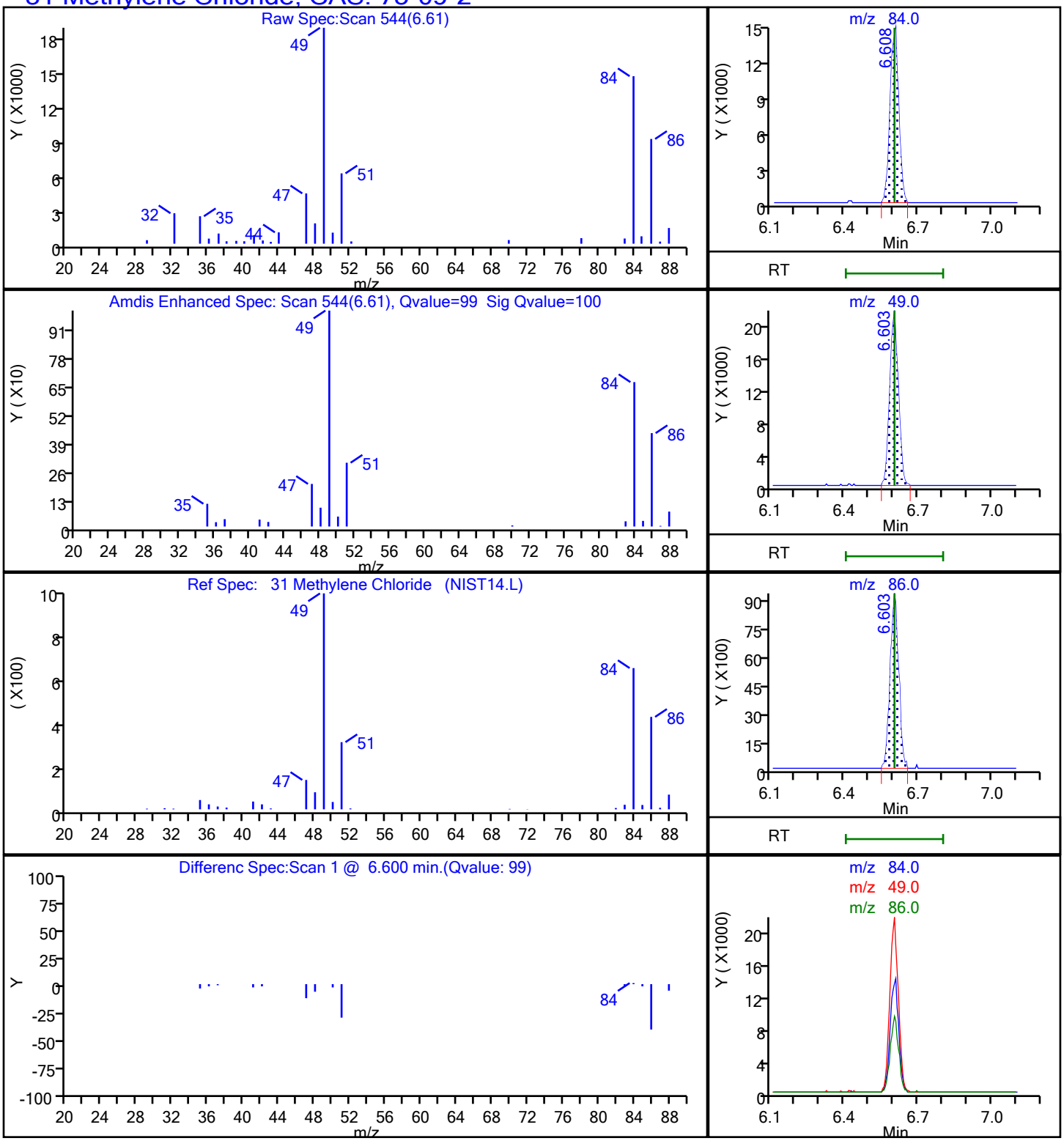
Operator ID: HMT ALS Bottle#: 13 Worklist Smp#: 18

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



Eurofins TestAmerica, Knoxville

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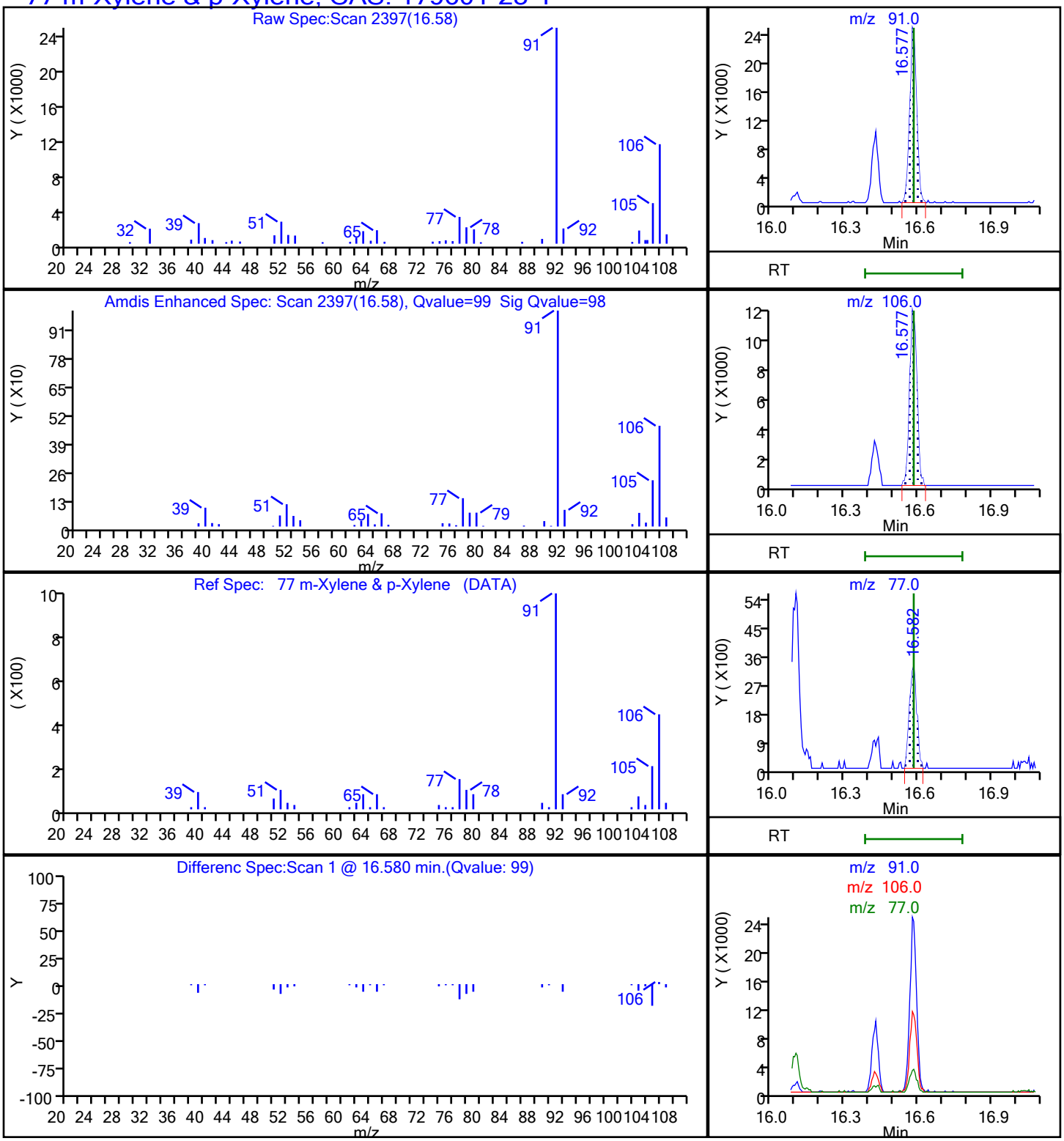
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

77 m-Xylene & p-Xylene, CAS: 179601-23-1



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Eurofins TestAmerica, Knoxville

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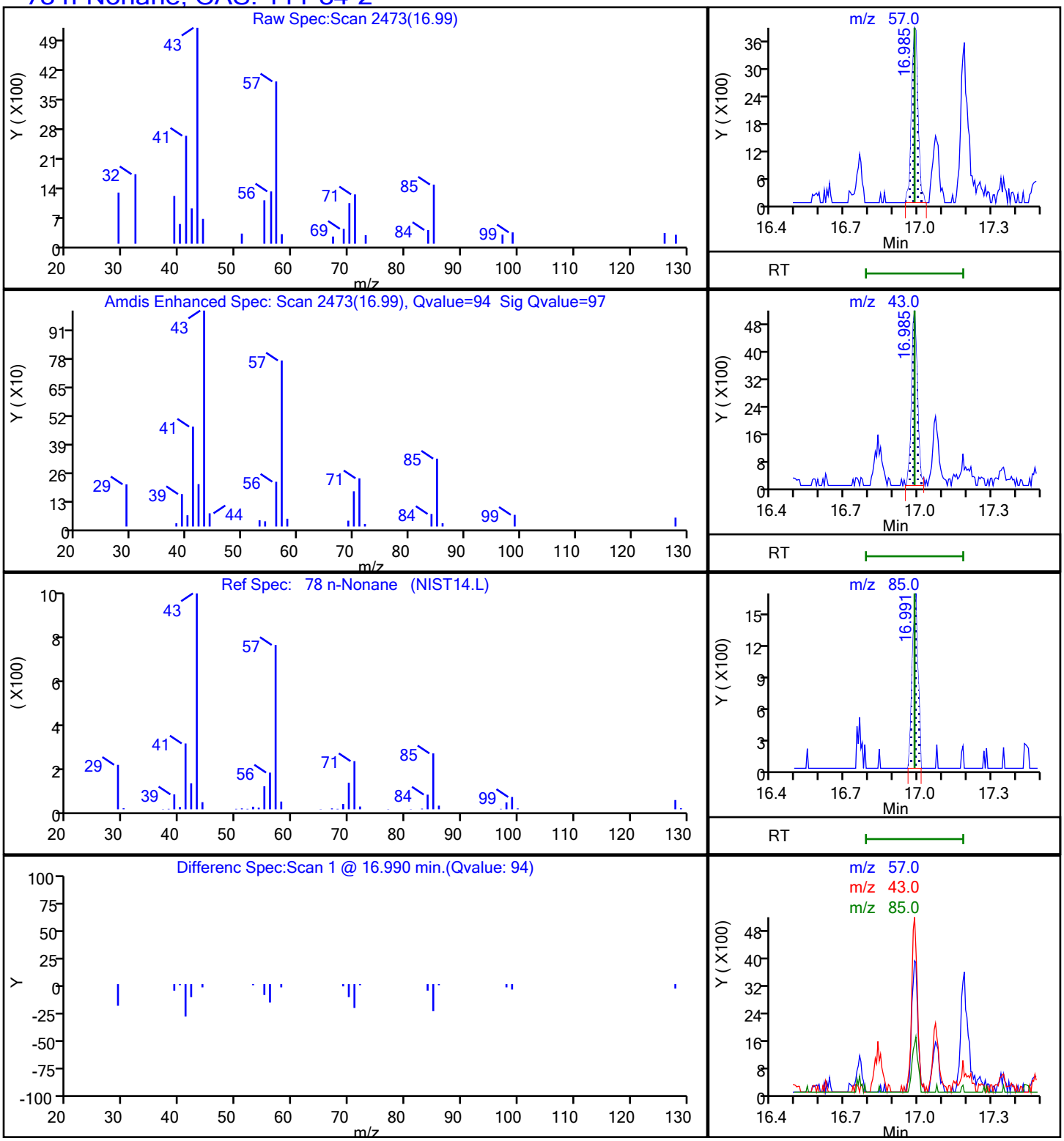
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

78 n-Nonane, CAS: 111-84-2

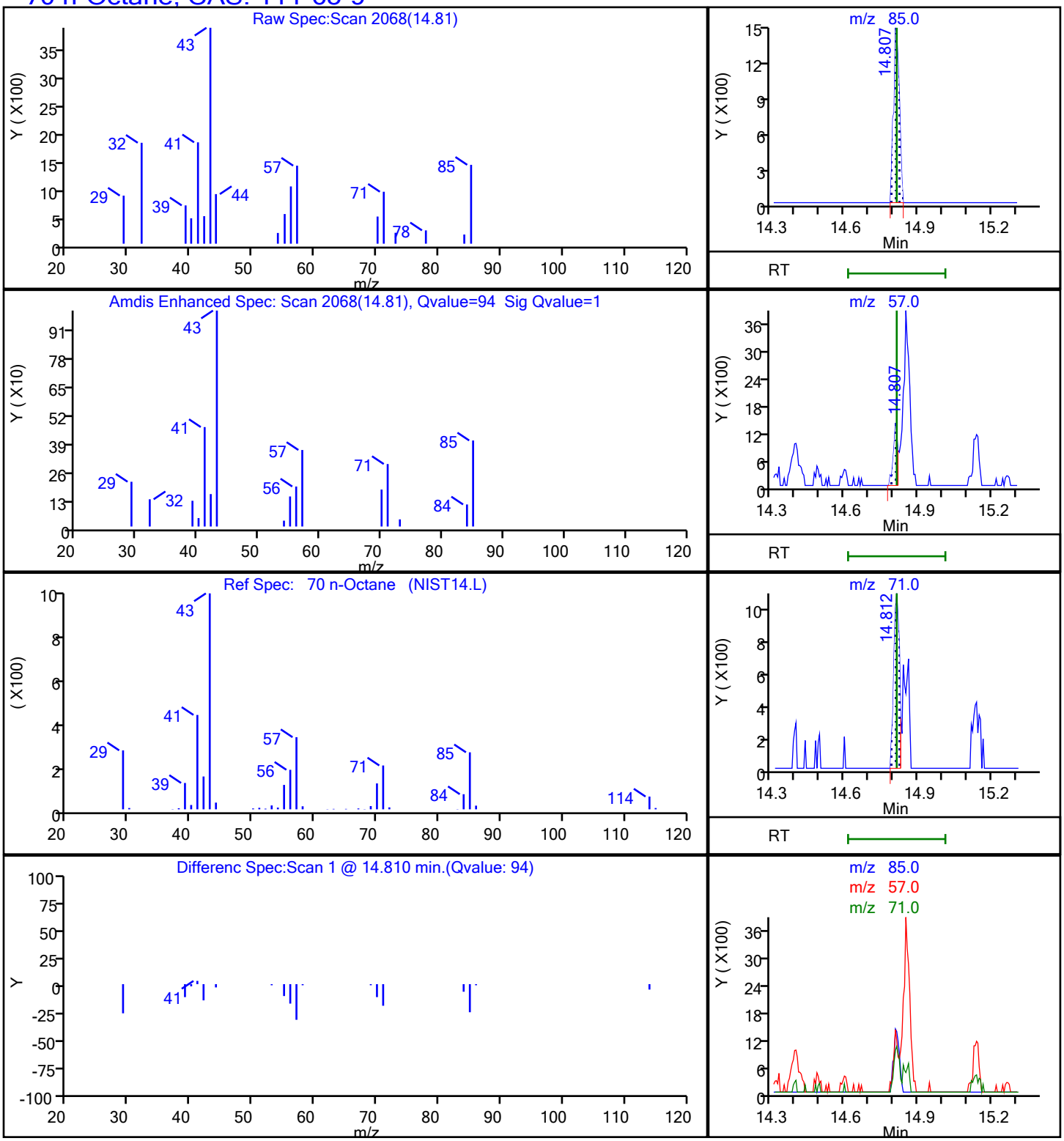


Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D

Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3
Client ID:	GPEC-OA FACILITIES		
Operator ID:	HMT	ALS Bottle#:	13 Worklist Smp#: 18
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

70 n-Octane, CAS: 111-65-9



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Eurofins TestAmerica, Knoxville

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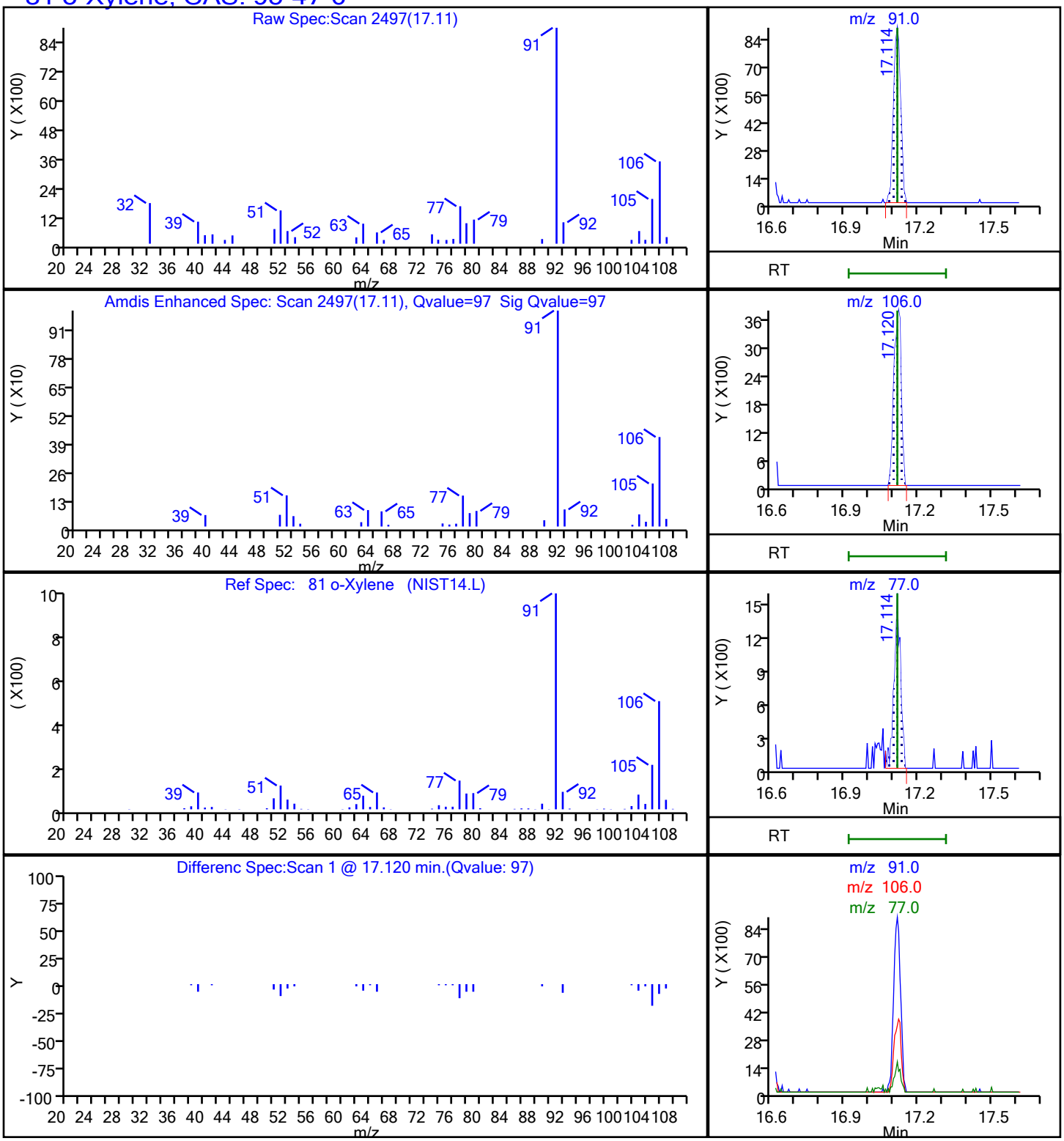
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

81 o-Xylene, CAS: 95-47-6



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D

Injection Date: 10-Feb-2021 05:06:30 Instrument ID: MS

Lims ID: 140-21885-A-3 Lab Sample ID: 140-21885-3

Client ID: GPEC-OA FACILITIES

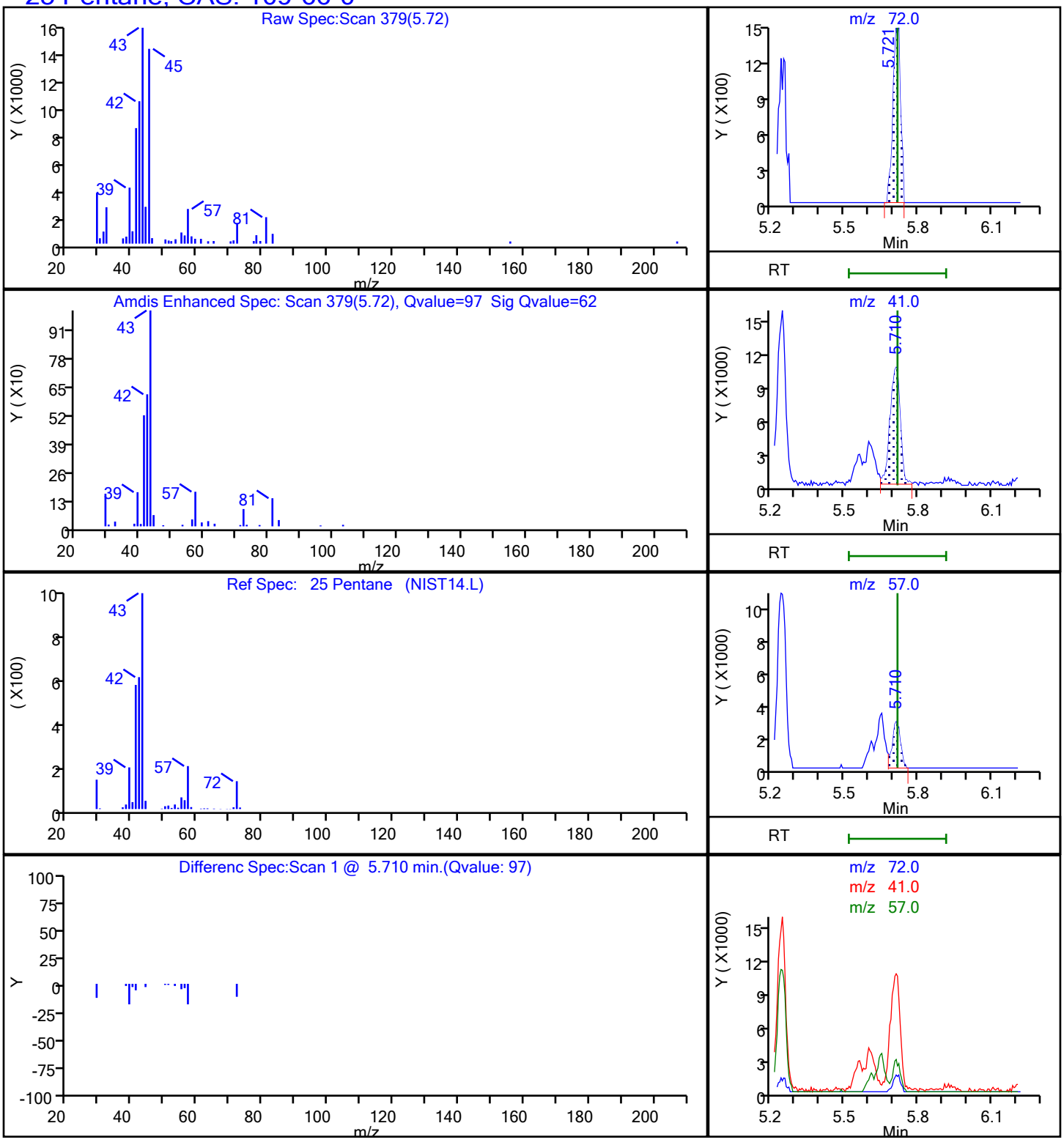
Operator ID: HMT ALS Bottle#: 13 Worklist Smp#: 18

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

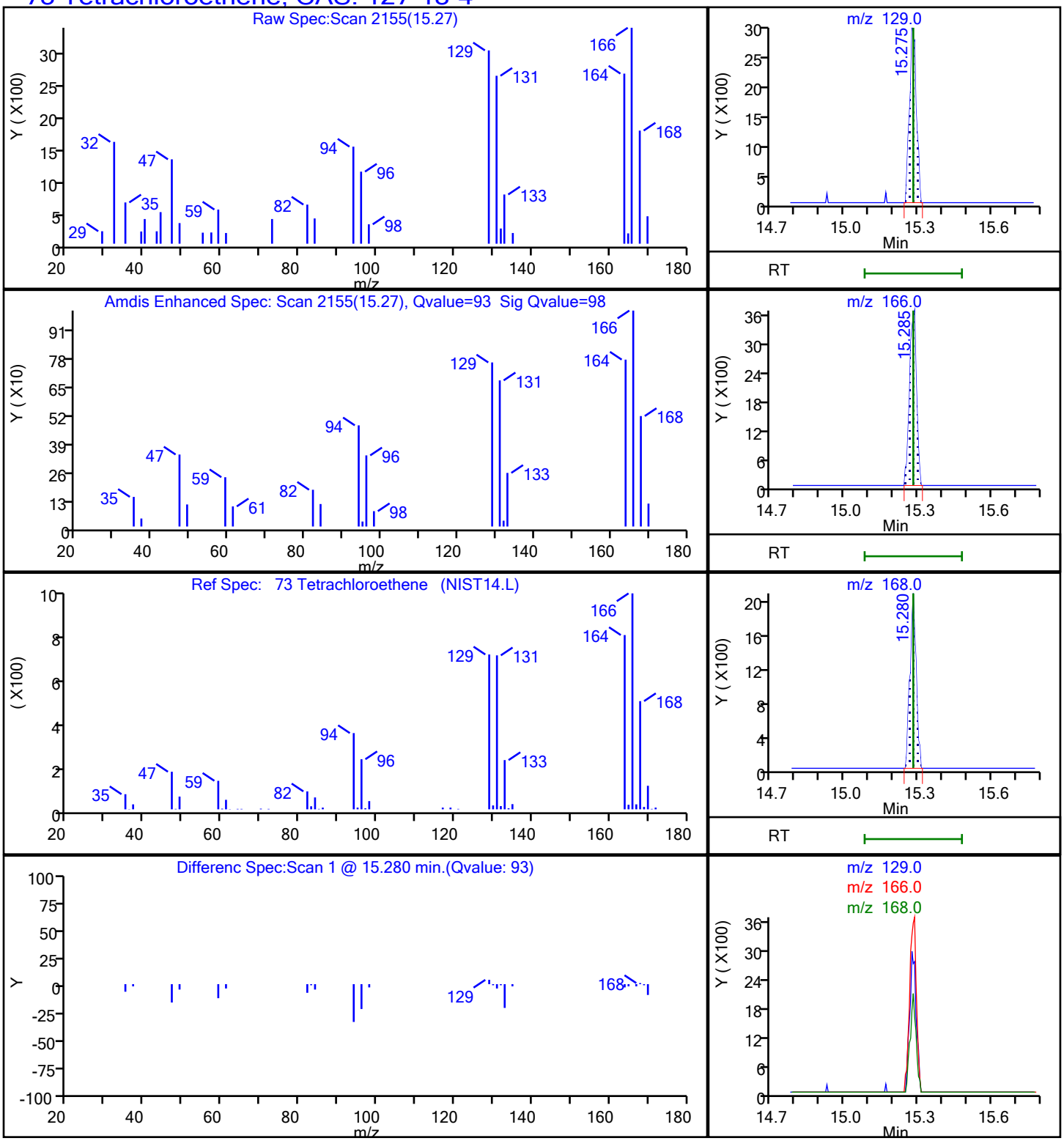
25 Pentane, CAS: 109-66-0



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D		
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3
Client ID:	GPEC-OA FACILITIES		
Operator ID:	HMT	ALS Bottle#:	13 Worklist Smp#: 18
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

73 Tetrachloroethene, CAS: 127-18-4

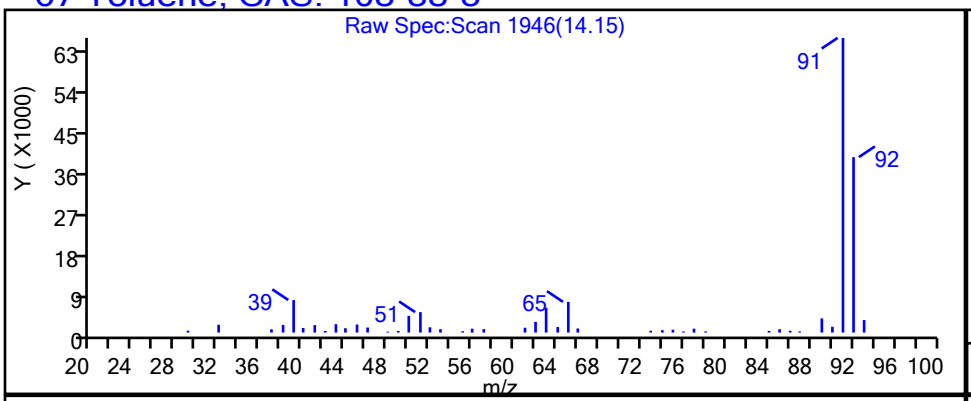


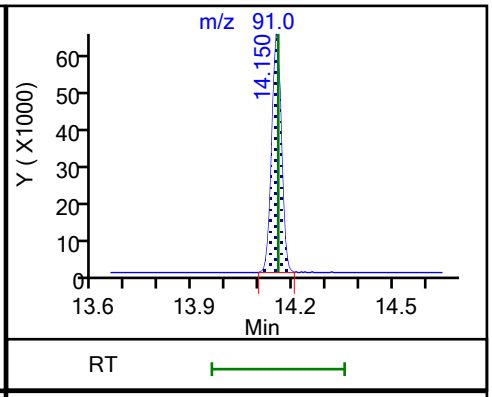
Report Date: 10-Feb-2021 17:48:32 Chrom Revision: 2.3 09-Dec-2020 16:22:14

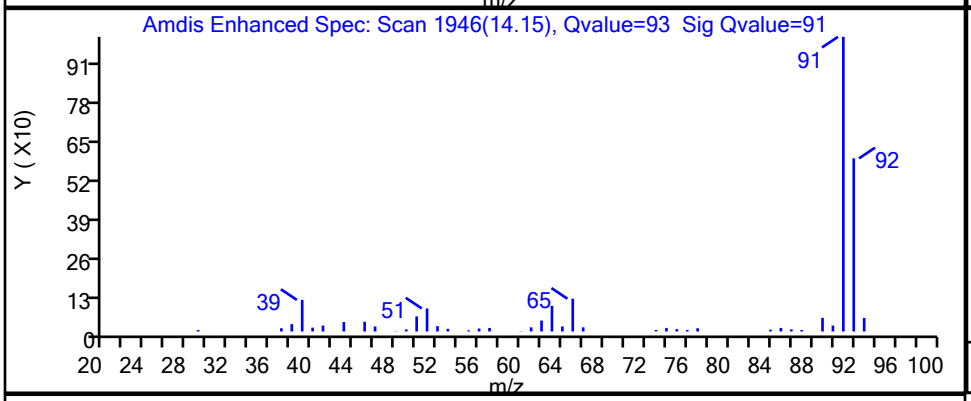
Eurofins TestAmerica, Knoxville

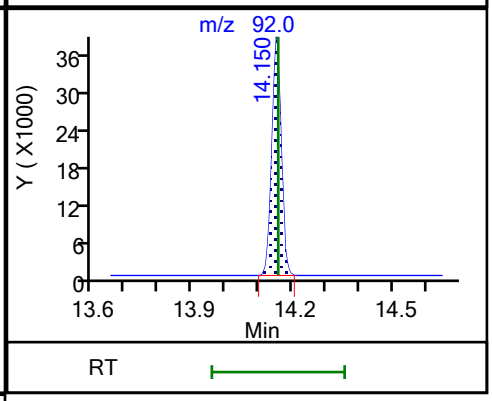
Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D				
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

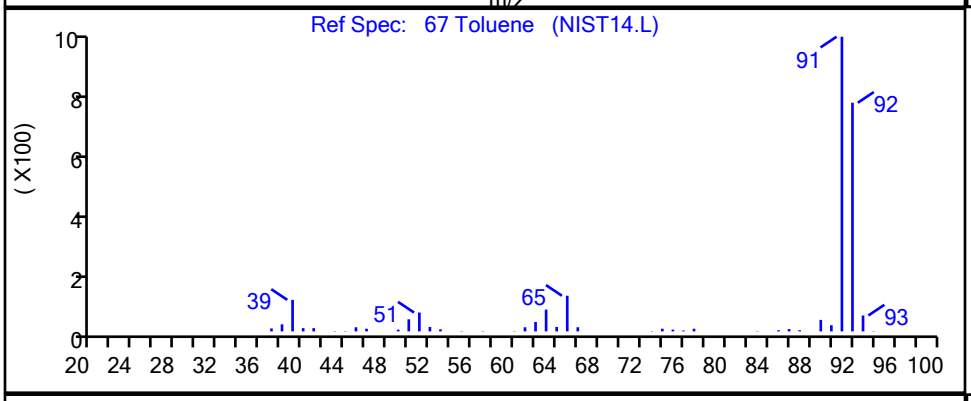
67 Toluene, CAS: 108-88-3

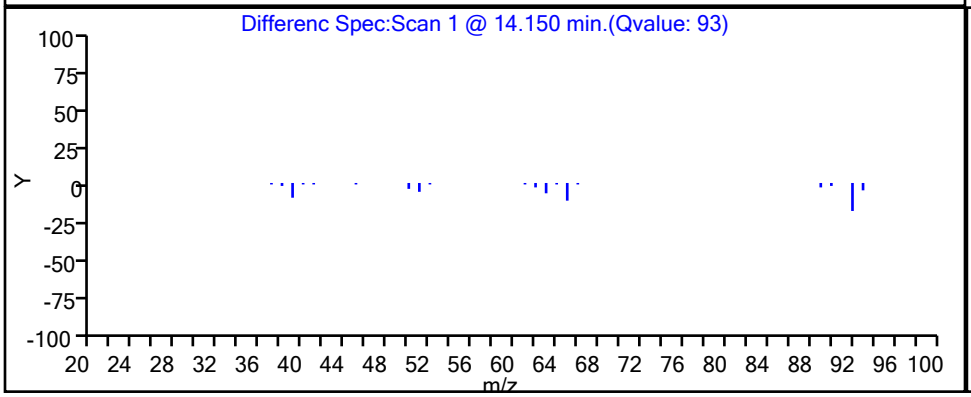


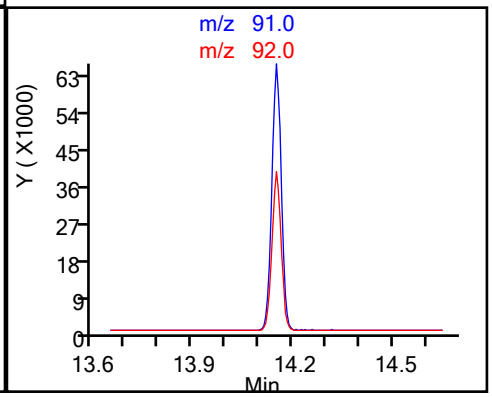










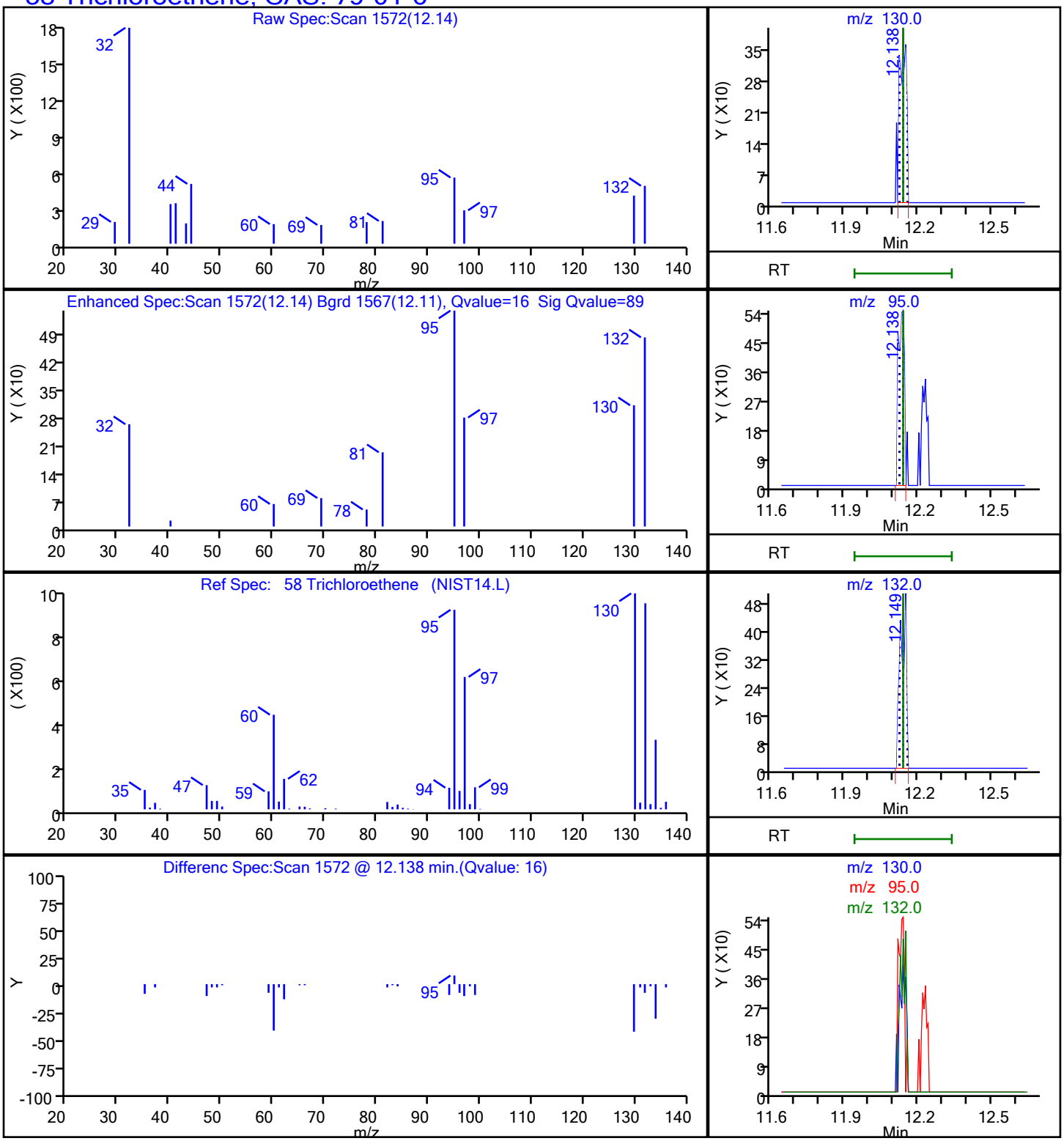


Report Date: 10-Feb-2021 17:48:32 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D				
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
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		

58 Trichloroethene, CAS: 79-01-6

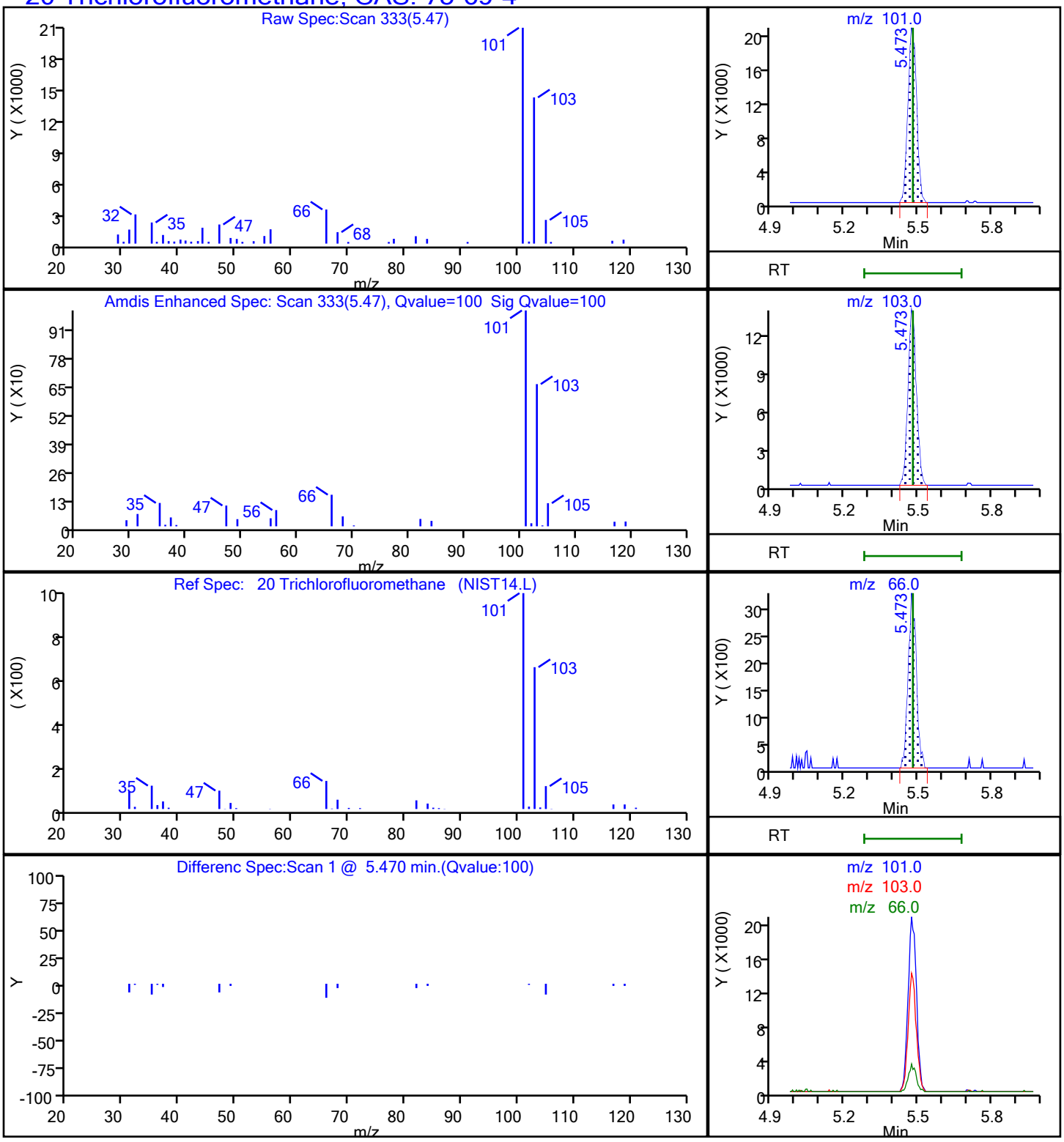


Report Date: 10-Feb-2021 17:48:31 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D				
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
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		

20 Trichlorofluoromethane, CAS: 75-69-4



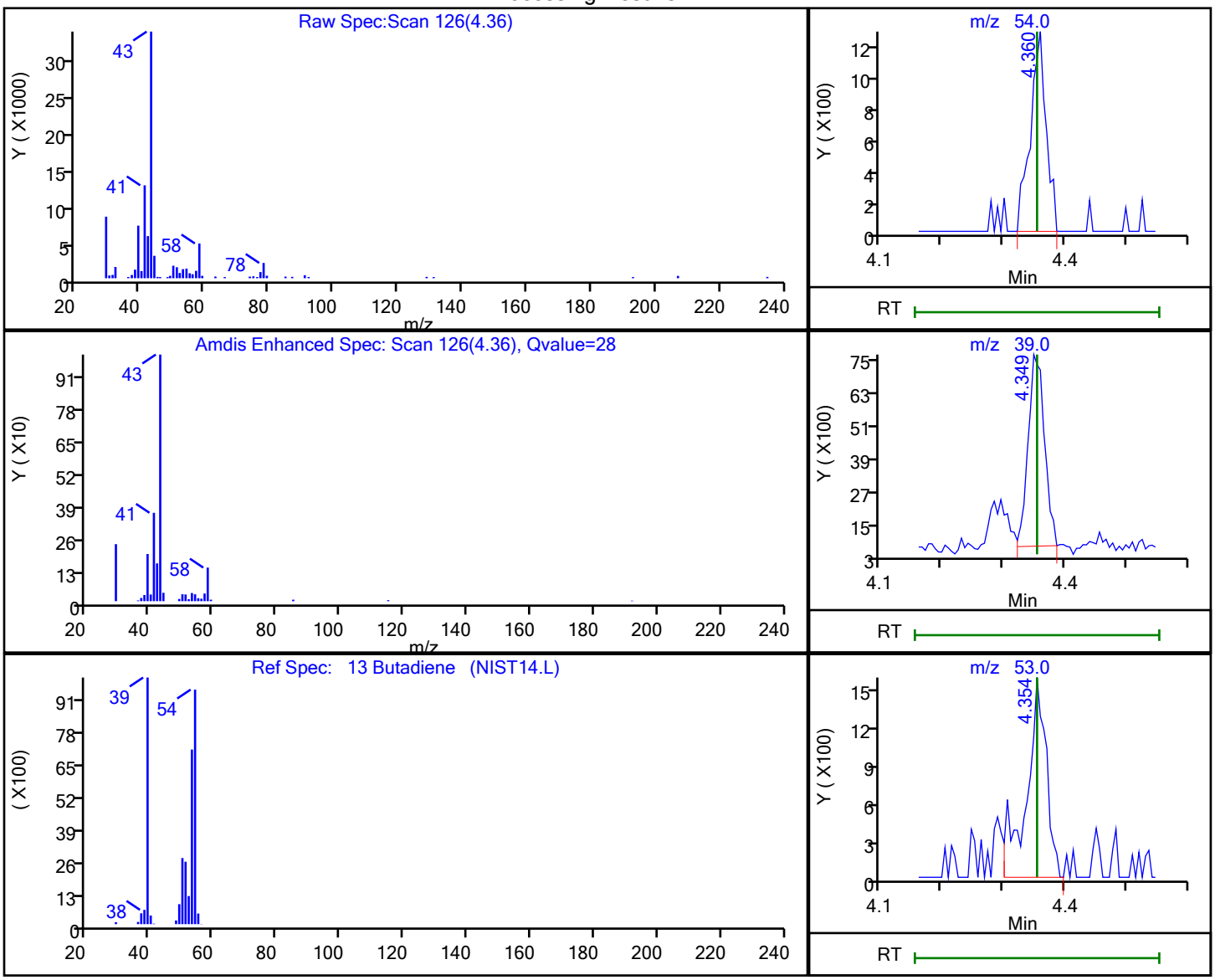
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D				
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
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		

13 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
4.36	54.00	2332	0.059916
4.35	39.00	13113	
4.35	53.00	3436	

Reviewer: khachitpongpanits, 10-Feb-2021 17:47:05

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

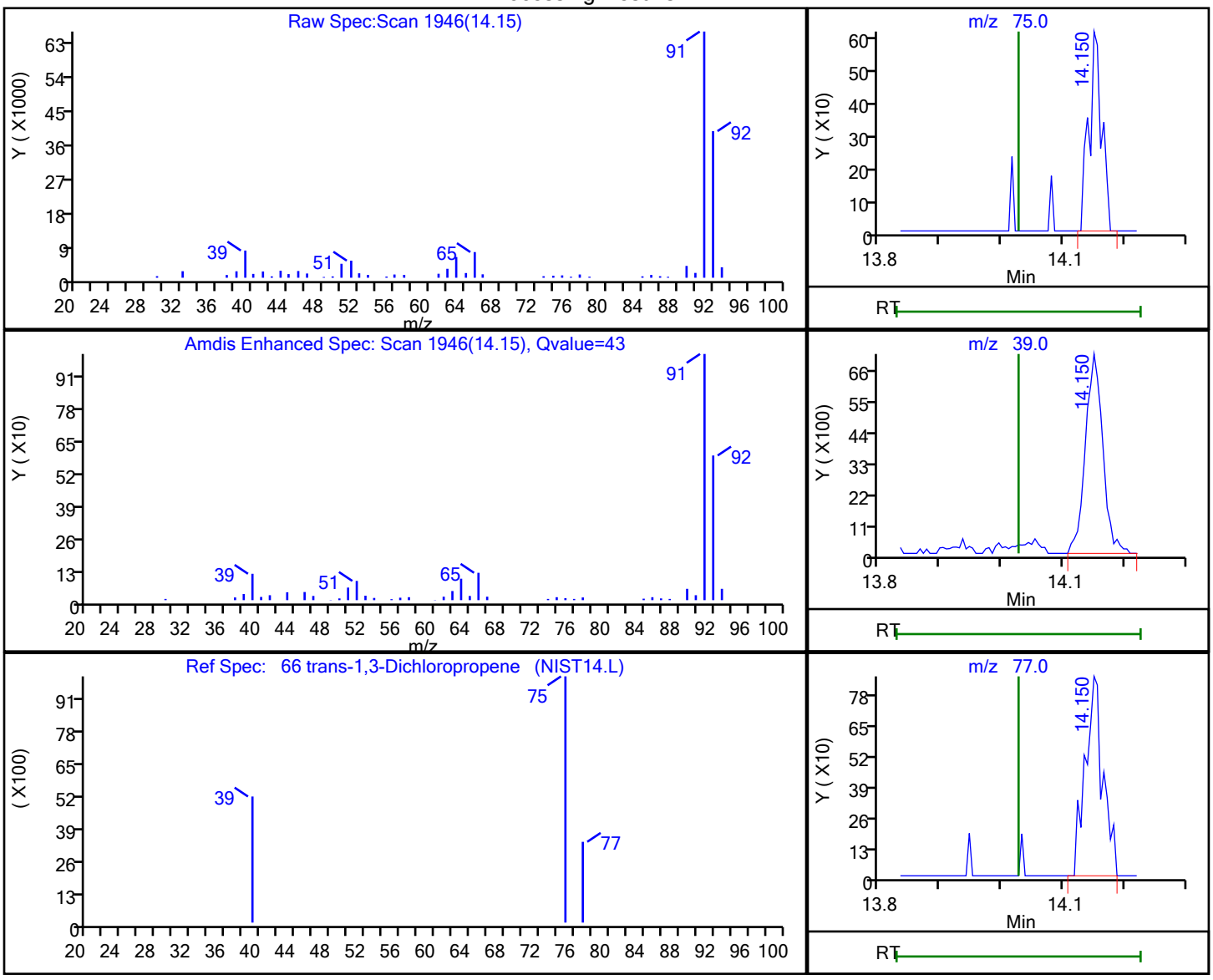
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P113.D				
Injection Date:	10-Feb-2021 05:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-3	Lab Sample ID:	140-21885-3		
Client ID:	GPEC-OA FACILITIES				
Operator ID:	HMT	ALS Bottle#:	13	Worklist Smp#:	18
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		

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
14.15	75.00	899	0.008526
14.15	39.00	14273	
14.15	77.00	1720	

Reviewer: khachitpongpanits, 10-Feb-2021 17:48:05

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.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 327 Lab Sample ID: 140-21885-4

Matrix: Air Lab File ID: SB09P114.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:16

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 06:06

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.080	0.037
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.080	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	0.074	J	0.080	0.0080
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.080	0.0070
75-34-3	1,1-Dichloroethane	98.96	ND		0.080	0.0070
75-35-4	1,1-Dichloroethene	96.94	ND		0.040	0.0080
526-73-8	1,2,3-Trimethylbenzene	120.19	ND		0.080	0.036
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.080	0.064
95-63-6	1,2,4-Trimethylbenzene	120.20	0.043	J	0.080	0.020
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		0.080	0.0070
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		0.080	0.012
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.080	0.031
107-06-2	1,2-Dichloroethane	98.96	0.021	J	0.080	0.010
78-87-5	1,2-Dichloropropane	112.99	ND		0.080	0.010
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.080	0.022
106-99-0	1,3-Butadiene	54.09	ND		0.16	0.019
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.080	0.016
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.080	0.016
123-91-1	1,4-Dioxane	88.11	ND		0.20	0.030
90-12-0	1-Methylnaphthalene	142.20	ND		1.0	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	0.063	J	0.20	0.0080
78-93-3	2-Butanone (MEK)	72.11	0.28	J	0.32	0.073
95-49-8	2-Chlorotoluene	126.59	ND		0.16	0.016
591-78-6	2-Hexanone	100.20	ND		0.20	0.016
91-57-6	2-Methylnaphthalene	142.20	ND		1.0	0.27
107-05-1	3-Chloropropene	76.53	ND		0.080	0.023
622-96-8	4-Ethyltoluene	120.20	0.031	J	0.16	0.021
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.20	0.054
67-64-1	Acetone	58.08	25		2.0	0.57
71-43-2	Benzene	78.11	0.20	B	0.080	0.0080
100-44-7	Benzyl chloride	126.58	ND		0.16	0.038
75-27-4	Bromodichloromethane	163.83	ND		0.080	0.018
75-25-2	Bromoform	252.75	ND		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 327 Lab Sample ID: 140-21885-4

Matrix: Air Lab File ID: SB09P114.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:16

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 06:06

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	0.025	J	0.080	0.022
106-97-8	Butane	58.12	1.4		0.16	0.083
75-15-0	Carbon disulfide	76.14	0.036	J B	0.20	0.011
56-23-5	Carbon tetrachloride	153.81	0.078		0.032	0.0070
108-90-7	Chlorobenzene	112.56	0.0094	J B	0.080	0.0060
75-00-3	Chloroethane	64.52	ND		0.080	0.029
67-66-3	Chloroform	119.38	0.024	J	0.080	0.0070
74-87-3	Chloromethane	50.49	0.70		0.20	0.066
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.040	0.010
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.080	0.016
110-82-7	Cyclohexane	84.16	0.061	J	0.20	0.023
124-18-5	Decane	142.28	0.10	J	0.40	0.038
124-48-1	Dibromochloromethane	208.28	ND		0.080	0.0070
75-71-8	Dichlorodifluoromethane	120.91	0.26		0.080	0.014
112-40-3	Dodecane	170.33	0.065	J	0.40	0.064
64-17-5	*Ethanol*	*46.07*	*610*	*E*	*2.0*	*0.87*
100-41-4	Ethylbenzene	106.17	0.063	J	0.080	0.013
142-82-5	Heptane	100.21	0.080	J	0.20	0.014
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	0.032
110-54-3	Hexane	86.17	0.33		0.20	0.013
67-63-0	*Isopropyl alcohol*	*60.10*	*75*	*E*	*0.80*	*0.22*
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.16	0.052
75-09-2	Methylene Chloride	84.93	1.8		0.40	0.39
179601-23-1	m-Xylene & p-Xylene	106.17	0.22		0.080	0.029
91-20-3	Naphthalene	128.17	ND		0.20	0.076
111-84-2	Nonane	128.26	0.045	J	0.20	0.018
111-65-9	Octane	114.23	0.041	J	0.16	0.016
95-47-6	o-Xylene	106.17	0.082		0.080	0.015
109-66-0	Pentane	72.15	0.33	J	0.40	0.079
100-42-5	Styrene	104.15	ND	*+	0.080	0.024
75-65-0	tert-Butyl alcohol	74.12	0.35		0.32	0.088
127-18-4	Tetrachloroethene	165.83	0.067	J	0.080	0.0070
108-88-3	Toluene	92.14	0.59		0.12	0.078
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.080	0.0070
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 327 Lab Sample ID: 140-21885-4

Matrix: Air Lab File ID: SB09P114.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:16

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 06:06

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	ND		0.036	0.0060
75-69-4	Trichlorofluoromethane	137.37	0.25		0.080	0.011
1120-21-4	Undecane	156.31	ND		0.40	0.048
593-60-2	Vinyl bromide	106.96	ND		0.080	0.020
75-01-4	Vinyl chloride	62.50	ND		0.040	0.026

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.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 327 Lab Sample ID: 140-21885-4

Matrix: Air Lab File ID: SB09P114.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:16

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 06:06

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.44	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.55	0.096
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	0.56	J	0.61	0.061
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.44	0.038
75-34-3	1,1-Dichloroethane	98.96	ND		0.32	0.028
75-35-4	1,1-Dichloroethene	96.94	ND		0.16	0.032
526-73-8	1,2,3-Trimethylbenzene	120.19	ND		0.39	0.18
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.59	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	0.21	J	0.39	0.098
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		0.61	0.054
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		0.56	0.084
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.48	0.19
107-06-2	1,2-Dichloroethane	98.96	0.087	J	0.32	0.040
78-87-5	1,2-Dichloropropane	112.99	ND		0.37	0.046
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.39	0.11
106-99-0	1,3-Butadiene	54.09	ND		0.35	0.042
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.48	0.096
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.48	0.096
123-91-1	1,4-Dioxane	88.11	ND		0.72	0.11
90-12-0	1-Methylnaphthalene	142.20	ND		5.8	1.5
540-84-1	2,2,4-Trimethylpentane	114.23	0.29	J	0.93	0.037
78-93-3	2-Butanone (MEK)	72.11	0.81	J	0.94	0.22
95-49-8	2-Chlorotoluene	126.59	ND		0.83	0.083
591-78-6	2-Hexanone	100.20	ND		0.82	0.066
91-57-6	2-Methylnaphthalene	142.20	ND		5.8	1.6
107-05-1	3-Chloropropene	76.53	ND		0.25	0.072
622-96-8	4-Ethyltoluene	120.20	0.15	J	0.79	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.82	0.22
67-64-1	Acetone	58.08	59		4.8	1.4
71-43-2	Benzene	78.11	0.63	B	0.26	0.026
100-44-7	Benzyl chloride	126.58	ND		0.83	0.20
75-27-4	Bromodichloromethane	163.83	ND		0.54	0.12
75-25-2	Bromoform	252.75	ND		0.83	0.093

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 327 Lab Sample ID: 140-21885-4

Matrix: Air Lab File ID: SB09P114.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:16

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 06:06

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	0.095	J	0.31	0.085
106-97-8	Butane	58.12	3.4		0.38	0.20
75-15-0	Carbon disulfide	76.14	0.11	J B	0.62	0.034
56-23-5	Carbon tetrachloride	153.81	0.49		0.20	0.044
108-90-7	Chlorobenzene	112.56	0.043	J B	0.37	0.028
75-00-3	Chloroethane	64.52	ND		0.21	0.077
67-66-3	Chloroform	119.38	0.12	J	0.39	0.034
74-87-3	Chloromethane	50.49	1.4		0.41	0.14
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.16	0.040
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.36	0.073
110-82-7	Cyclohexane	84.16	0.21	J	0.69	0.079
124-18-5	Decane	142.28	0.60	J	2.3	0.22
124-48-1	Dibromochloromethane	208.28	ND		0.68	0.060
75-71-8	Dichlorodifluoromethane	120.91	1.3		0.40	0.069
112-40-3	Dodecane	170.33	0.45	J	2.8	0.45
64-17-5	*Ethanol*	*46.07*	*1200*	*E*	*3.8*	*1.6*
100-41-4	Ethylbenzene	106.17	0.28	J	0.35	0.056
142-82-5	Heptane	100.21	0.33	J	0.82	0.057
87-68-3	Hexachlorobutadiene	260.76	ND		0.85	0.34
110-54-3	Hexane	86.17	1.2		0.70	0.046
67-63-0	*Isopropyl alcohol*	*60.10*	*190*	*E*	*2.0*	*0.54*
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.58	0.19
75-09-2	Methylene Chloride	84.93	6.1		1.4	1.4
179601-23-1	m-Xylene & p-Xylene	106.17	0.97		0.35	0.13
91-20-3	Naphthalene	128.17	ND		1.0	0.40
111-84-2	Nonane	128.26	0.23	J	1.0	0.094
111-65-9	Octane	114.23	0.19	J	0.75	0.075
95-47-6	o-Xylene	106.17	0.36		0.35	0.065
109-66-0	Pentane	72.15	0.98	J	1.2	0.23
100-42-5	Styrene	104.15	ND	*+	0.34	0.10
75-65-0	tert-Butyl alcohol	74.12	1.0		0.97	0.27
127-18-4	Tetrachloroethene	165.83	0.46	J	0.54	0.047
108-88-3	Toluene	92.14	2.2		0.45	0.29
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.32	0.028
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.36	0.041

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 327 Lab Sample ID: 140-21885-4

Matrix: Air Lab File ID: SB09P114.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:16

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 06:06

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	ND		0.19	0.032
75-69-4	Trichlorofluoromethane	137.37	1.4		0.45	0.062
1120-21-4	Undecane	156.31	ND		2.6	0.31
593-60-2	Vinyl bromide	106.96	ND		0.35	0.087
75-01-4	Vinyl chloride	62.50	ND		0.10	0.066

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
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 327 Lab Sample ID: 140-21885-4

Matrix: Air Lab File ID: SB09P114.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:16

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 06:06

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.: 46753 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		
496-11-7	Indane TIC		ND		
95-13-6	Indene TIC		ND		
110-02-1	Thiophene TIC		ND		

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 327 Lab Sample ID: 140-21885-4

Matrix: Air Lab File ID: SB09P114.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:16

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 06:06

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.: 46753 Units: ug/m3

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		
496-11-7	Indane TIC		ND		
95-13-6	Indene TIC		ND		
110-02-1	Thiophene TIC		ND		

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D
Lims ID: 140-21885-A-4
Client ID: GPEC-IA 327
Sample Type: Client
Inject. Date: 10-Feb-2021 06:06:30 ALS Bottle#: 14 Worklist Smp#: 19
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018147-019
Misc. Info.: 140-21885-a-4
Operator ID: HMT Instrument ID: MS

Method: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 11-Feb-2021 09:29:55 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: khachitpongpanits Date: 11-Feb-2021 09:30:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.249	9.255	-0.006	96	279649	4.80	
* 2 1,4-Difluorobenzene	114	11.428	11.434	-0.006	95	1316330	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.098	16.098	0.000	88	1116186	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.744	17.744	0.000	88	815903	4.48	
8 Dichlorodifluoromethane	85	3.875	3.875	0.000	100	57837	0.2623	
9 Chloromethane	52	4.074	4.074	0.000	99	10592	0.6950	
14 Butane	43	4.354	4.354	0.000	91	98298	1.42	
15 Bromomethane	94	4.704	4.709	-0.005	61	1301	0.0246	
17 Ethanol	31	4.989	4.951	0.038	94	11618594	613.0	E
20 Trichlorofluoromethane	101	5.473	5.478	-0.005	99	55505	0.2498	
23 Acetone	58	5.597	5.602	-0.005	98	1072401	24.7	
24 Isopropyl alcohol	45	5.715	5.683	0.032	99	7665202	75.4	E
25 Pentane	72	5.704	5.715	-0.011	47	4280	0.3308	
29 2-Methyl-2-propanol	59	6.350	6.318	0.032	95	45800	0.3454	
30 112TCTFE	101	6.420	6.420	0.000	93	13121	0.0737	
31 Methylene Chloride	84	6.603	6.603	0.000	99	148296	1.76	
33 Carbon disulfide	76	6.775	6.780	-0.005	95	7768	0.0363	
39 2-Butanone (MEK)	72	8.448	8.448	0.000	97	10669	0.2755	
40 Hexane	56	8.486	8.486	0.000	89	22629	0.3348	
44 Chloroform	83	9.255	9.266	-0.011	27	4354	0.0238	
48 1,2-Dichloroethane	62	10.428	10.417	0.006	93	2589	0.0214	
50 Cyclohexane	69	10.901	10.901	-0.005	47	2078	0.0612	
51 Benzene	78	10.901	10.901	-0.005	97	46510	0.1957	
52 Carbon tetrachloride	117	10.928	10.923	0.000	96	12426	0.0776	
55 Isooctane	57	11.638	11.638	-0.005	92	24050	0.0628	
56 n-Heptane	71	11.998	12.004	-0.011	87	5830	0.0805	
67 Toluene	91	14.150	14.156	-0.006	95	162972	0.5857	
70 n-Octane	85	14.812	14.812	0.000	60	3256	0.0412	a
73 Tetrachloroethene	129	15.285	15.280	0.005	91	6775	0.0673	
75 Chlorobenzene	112	16.146	16.146	0.000	43	2104	0.009428	
76 Ethylbenzene	91	16.426	16.426	0.000	98	22095	0.0634	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
77 m-Xylene & p-Xylene	91	16.582	16.582	0.000	97	58944	0.2239	
78 n-Nonane	57	16.985	16.985	0.000	93	7879	0.0446	
81 o-Xylene	91	17.114	17.114	0.000	97	24383	0.0819	
87 4-Ethyltoluene	105	18.400	18.384	0.016	59	13033	0.0312	
90 n-Decane	57	18.723	18.728	-0.005	93	26147	0.1031	
92 1,2,4-Trimethylbenzene	105	18.890	18.890	0.000	99	14843	0.0429	
104 Undecane	57	20.019	20.019	0.000	89	10810	0.0373	
107 Dodecane	57	21.101	21.101	0.000	95	19100	0.0647	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

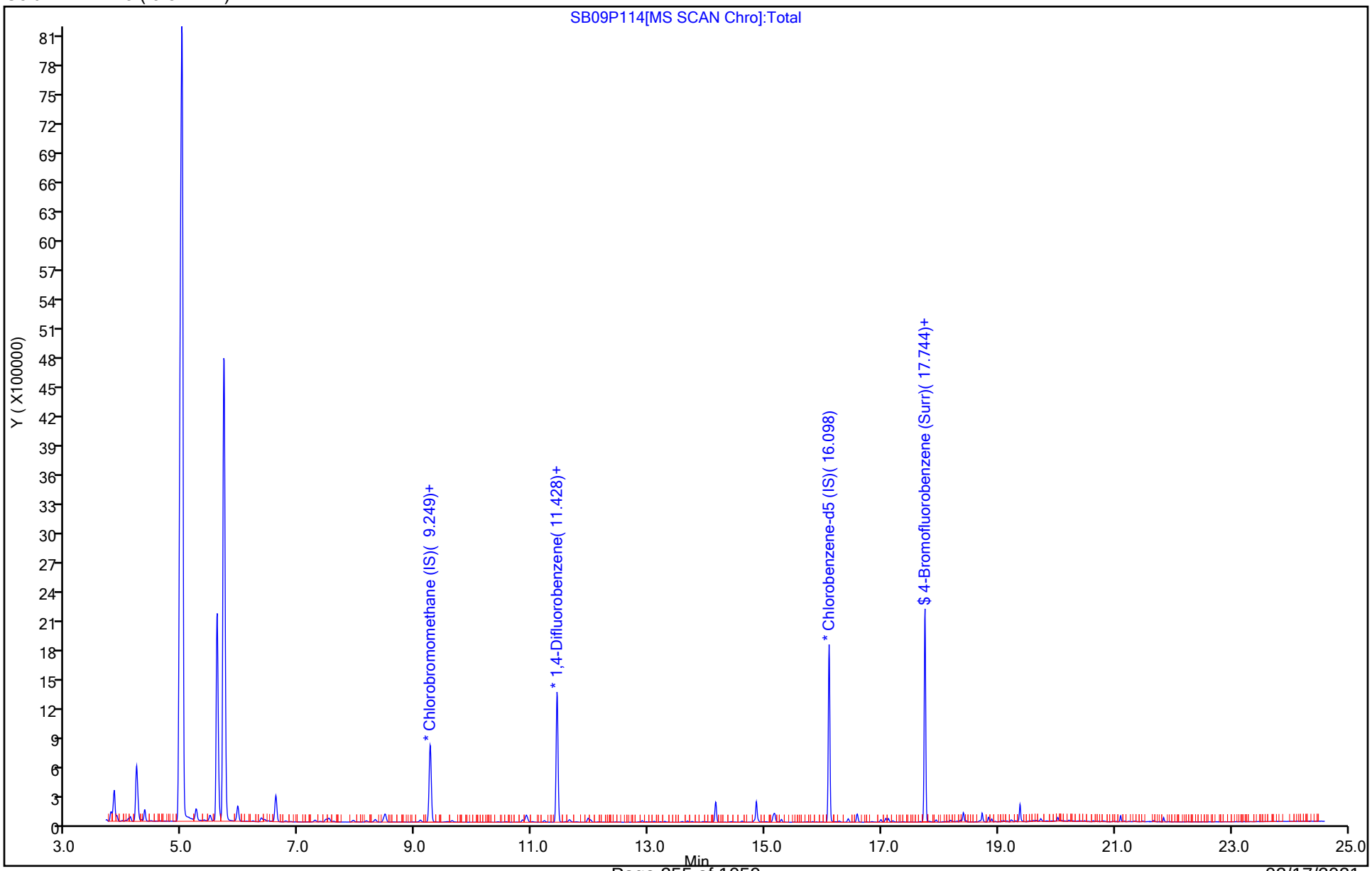
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 11-Feb-2021 09:30:32 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D				
Injection Date:	10-Feb-2021 06:06:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4	Worklist Smp#:	19
Client ID:	GPEC-IA 327				
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)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D				
Lims ID:	140-21885-A-4				
Client ID:	GPEC-IA 327				
Sample Type:	Client				
Inject. Date:	10-Feb-2021 06:06:30	ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018147-019				
Misc. Info.:	140-21885-a-4				
Operator ID:	HMT	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Feb-2021 09:29:55	Calib Date:	21-Jan-2021 08:11:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1649				

First Level Reviewer: khachitpongpanits Date: 11-Feb-2021 09:30:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.48	96.59

Report Date: 11-Feb-2021 09:30:33 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D

Injection Date: 10-Feb-2021 06:06:30 Instrument ID: MS

Lims ID: 140-21885-A-4 Lab Sample ID: 140-21885-4

Client ID: GPEC-IA 327

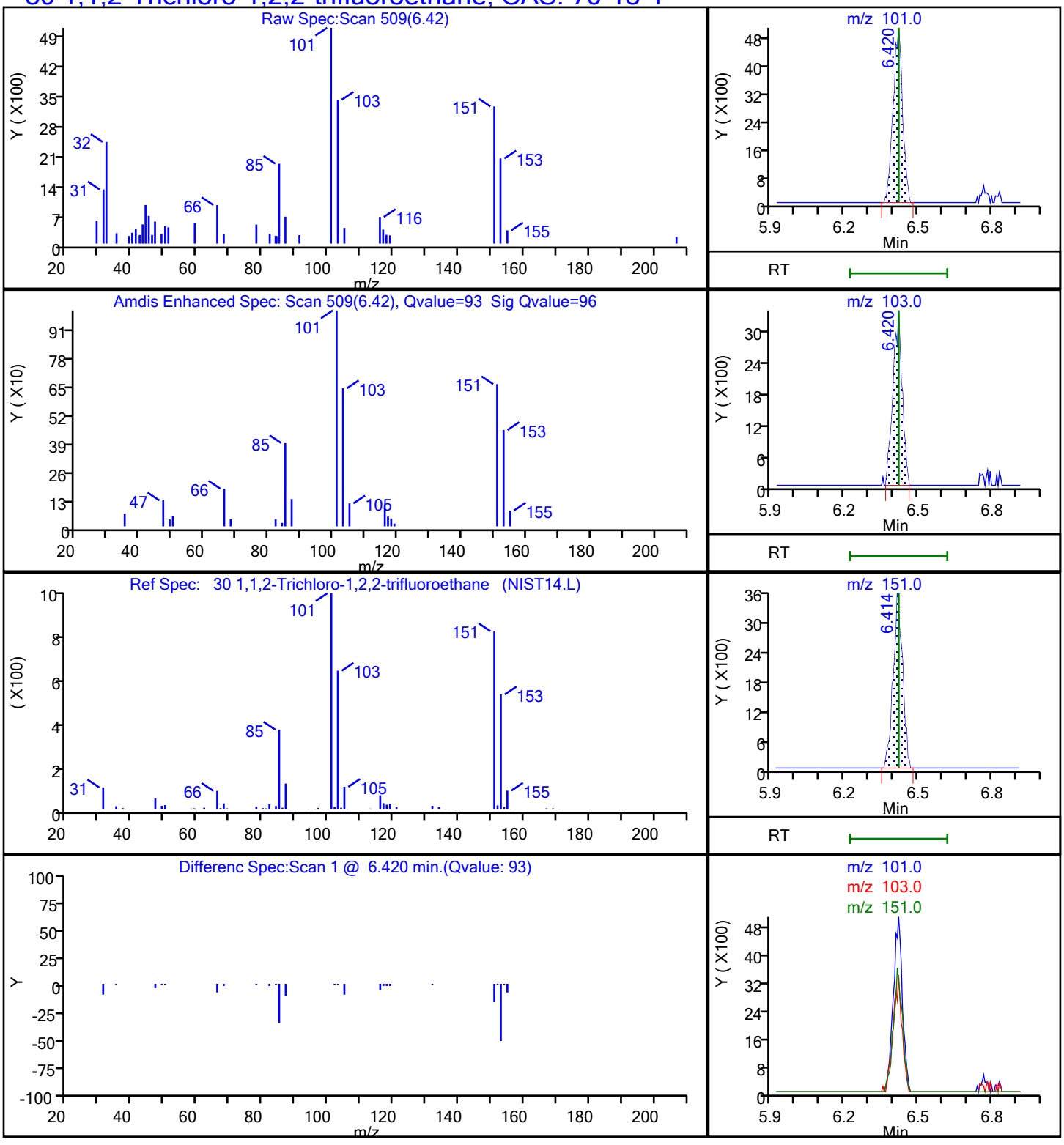
Operator ID: HMT ALS Bottle#: 14 Worklist Smp#: 19

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

30 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D

Injection Date: 10-Feb-2021 06:06:30 Instrument ID: MS

Lims ID: 140-21885-A-4 Lab Sample ID: 140-21885-4

Client ID: GPEC-IA 327

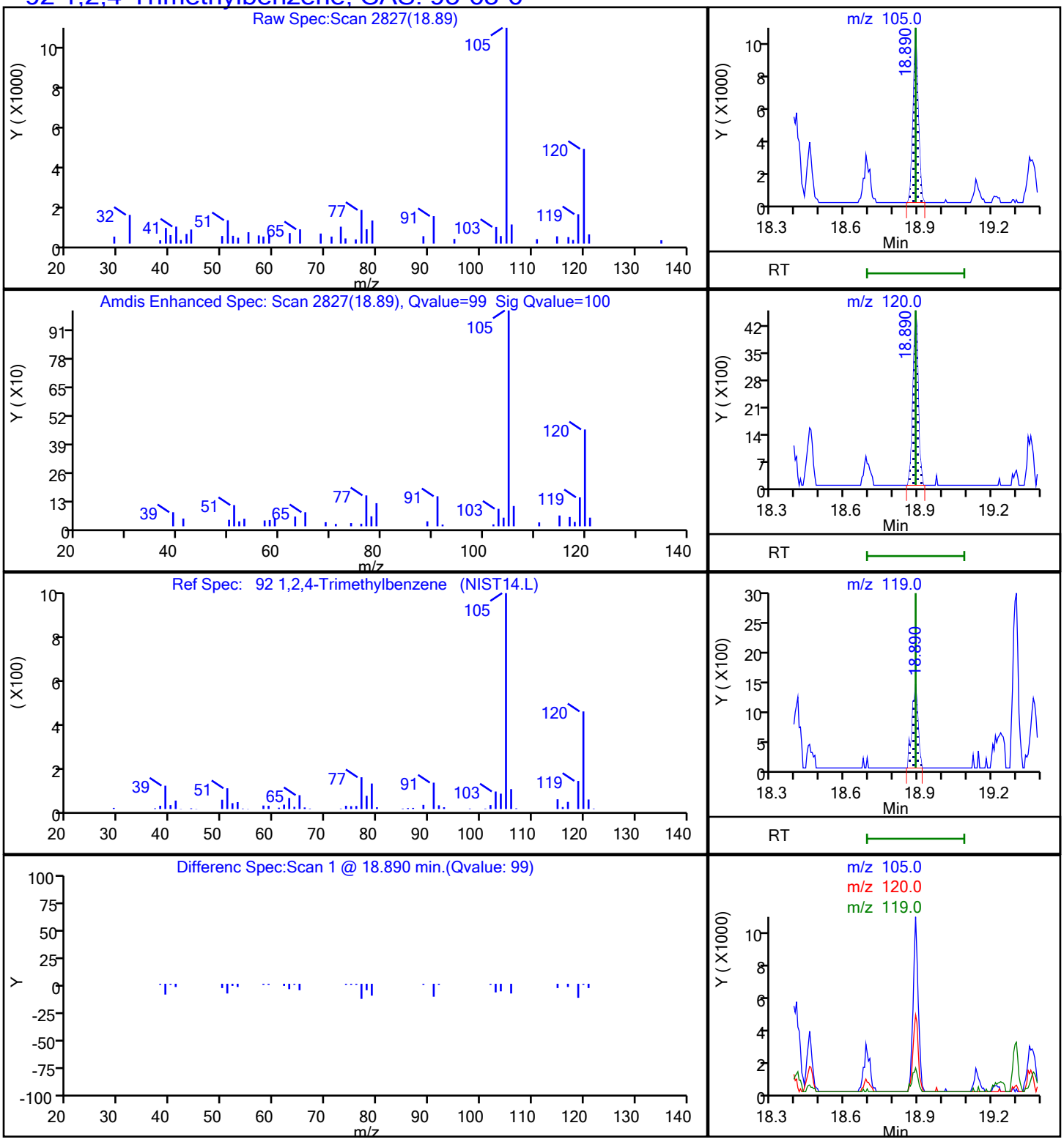
Operator ID: HMT ALS Bottle#: 14 Worklist Smp#: 19

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

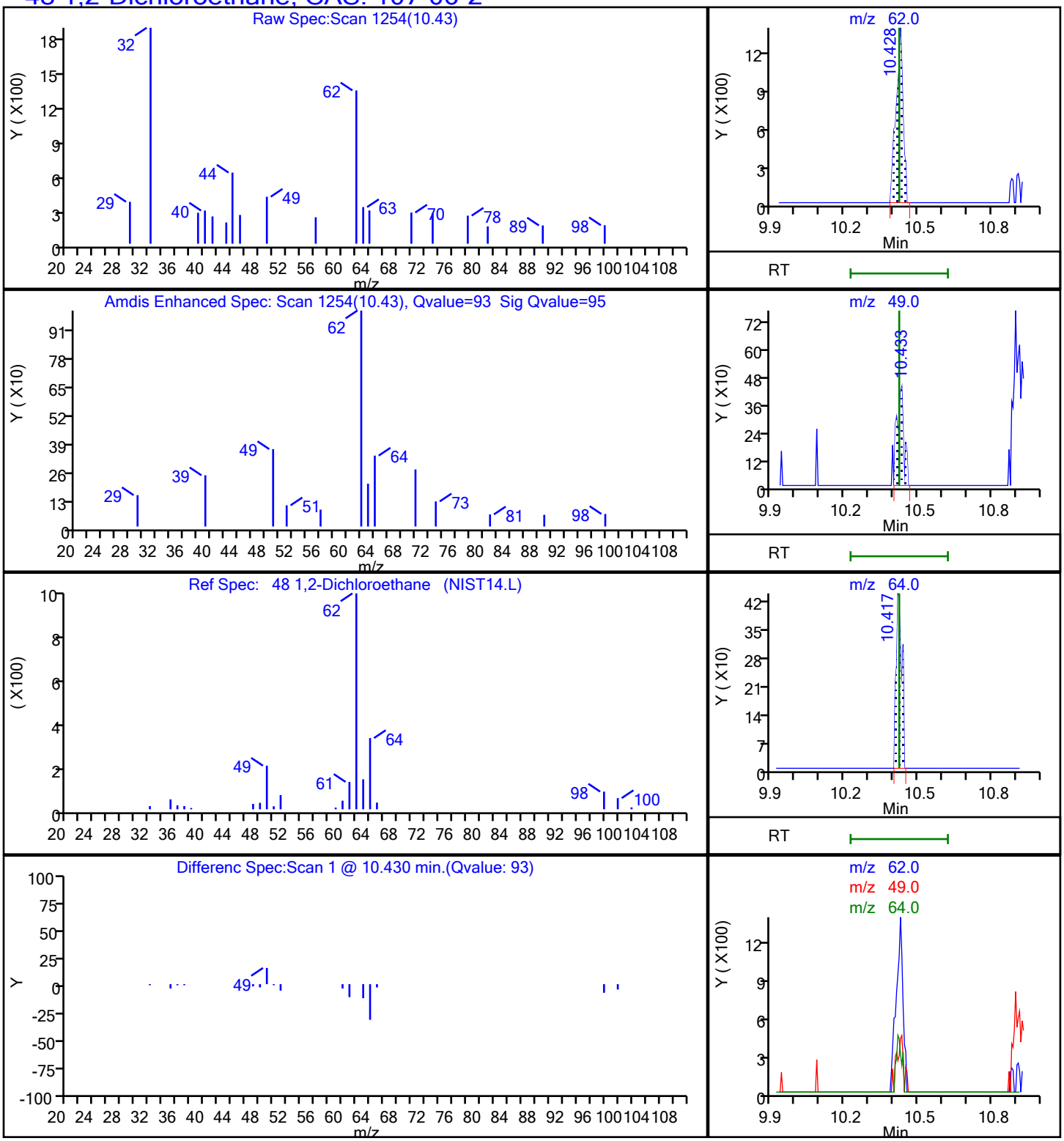
92 1,2,4-Trimethylbenzene, CAS: 95-63-6



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D		
Injection Date:	10-Feb-2021 06:06:30	Instrument ID:	MS
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 19
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

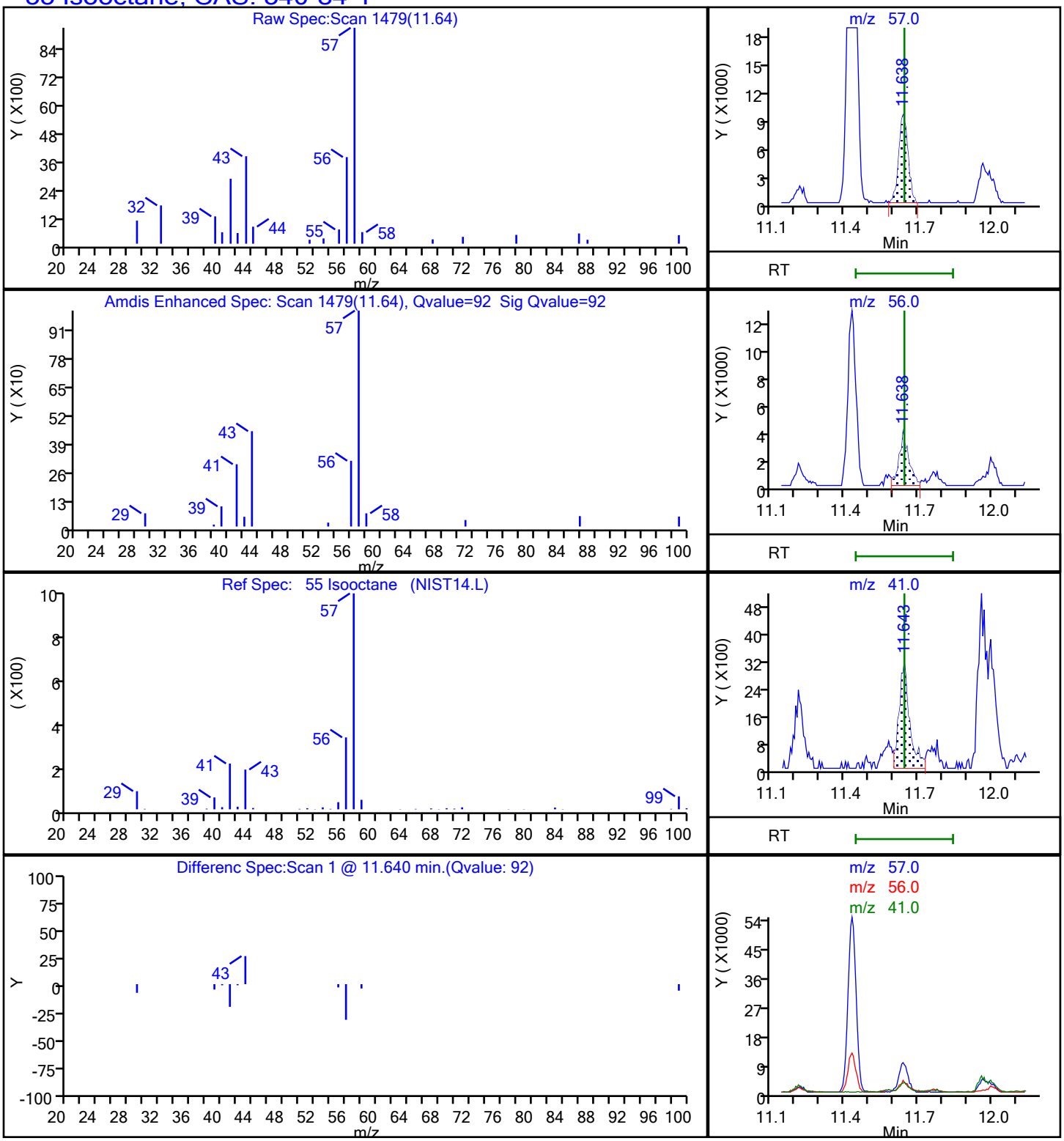
48 1,2-Dichloroethane, CAS: 107-06-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D		
Injection Date:	10-Feb-2021 06:06:30	Instrument ID:	MS
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 19
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

55 Isooctane, CAS: 540-84-1

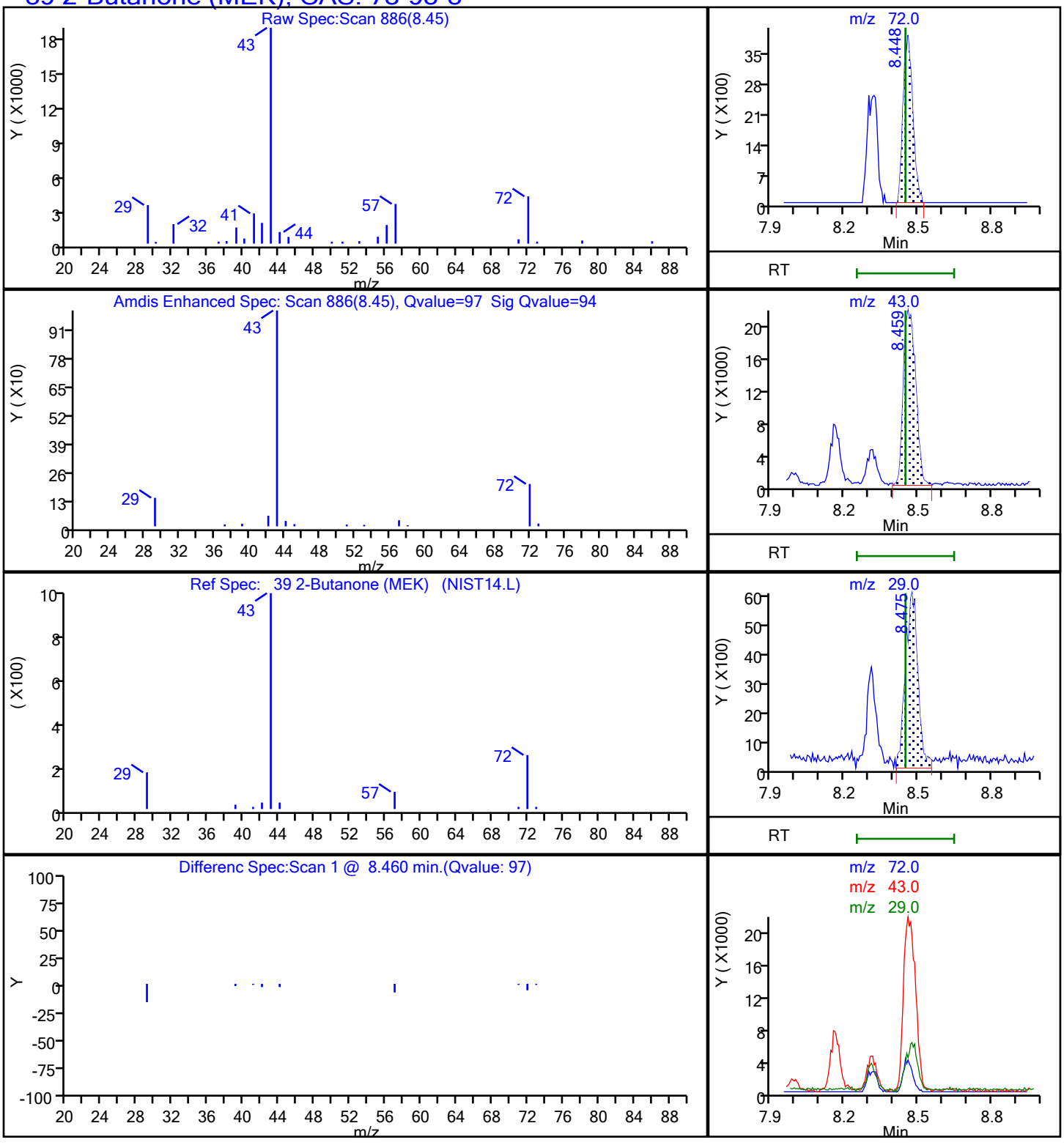


Report Date: 11-Feb-2021 09:30:33 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D				
Injection Date:	10-Feb-2021 06:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4		
Client ID:	GPEC-IA 327				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	19
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		

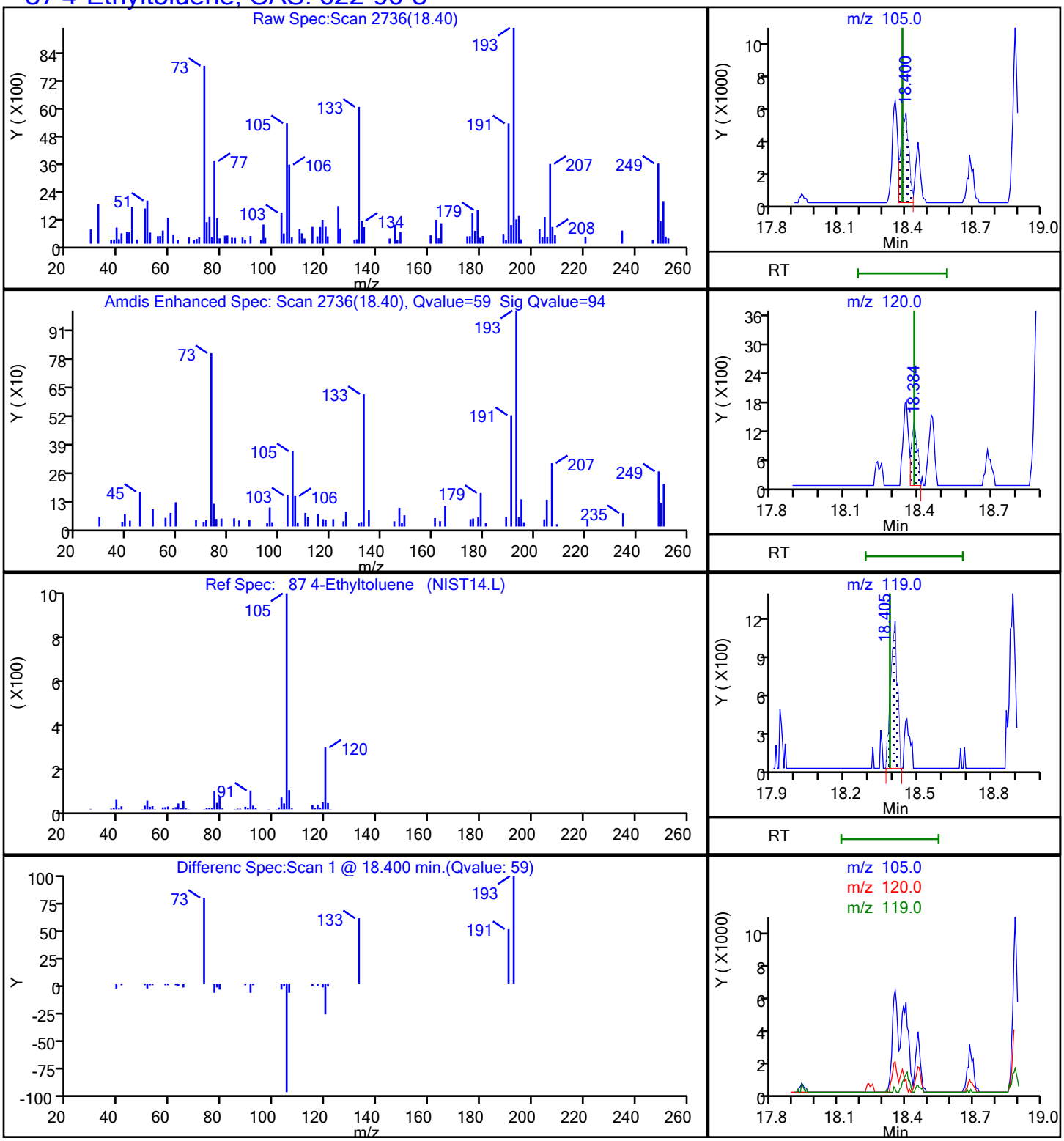
39 2-Butanone (MEK), CAS: 78-93-3



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D		
Injection Date:	10-Feb-2021 06:06:30	Instrument ID:	MS
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 19
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

87 4-Ethyltoluene, CAS: 622-96-8



Report Date: 11-Feb-2021 09:30:32 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D

Injection Date: 10-Feb-2021 06:06:30 Instrument ID: MS

Lims ID: 140-21885-A-4 Lab Sample ID: 140-21885-4

Client ID: GPEC-IA 327

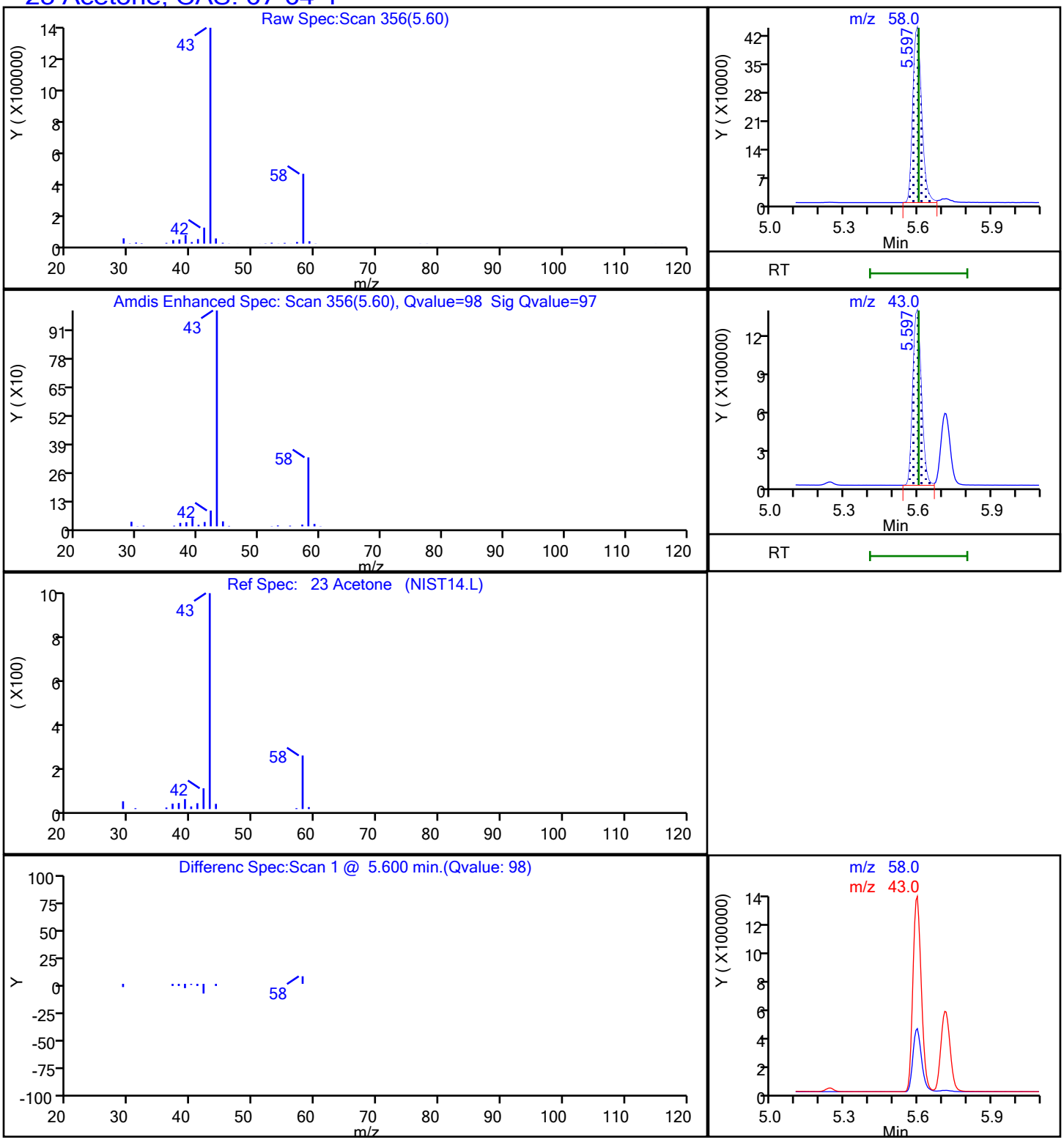
Operator ID: HMT ALS Bottle#: 14 Worklist Smp#: 19

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

23 Acetone, CAS: 67-64-1



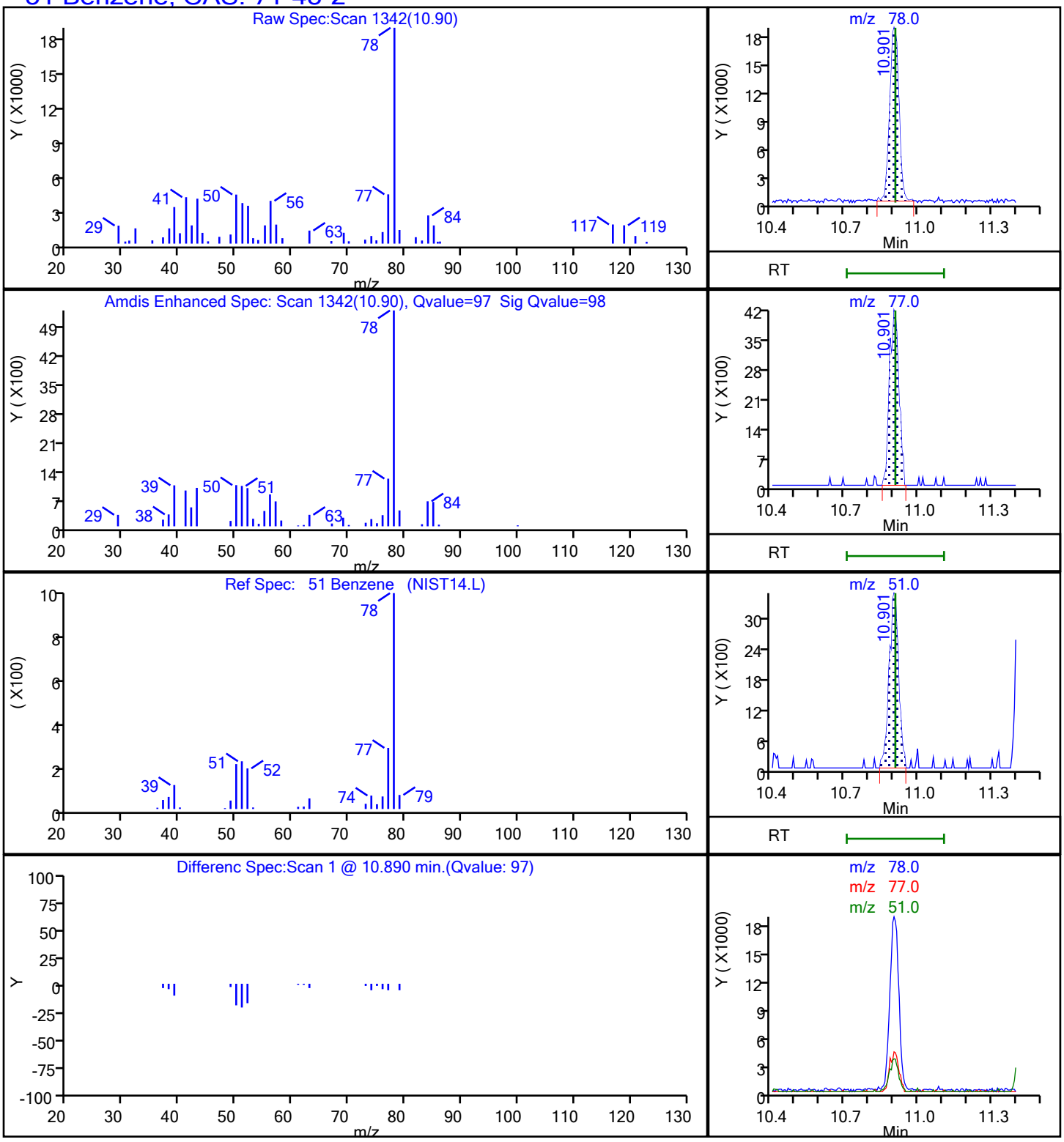
Report Date: 11-Feb-2021 09:30:33 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D

Injection Date:	10-Feb-2021 06:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4		
Client ID:	GPEC-IA 327				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	19
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		

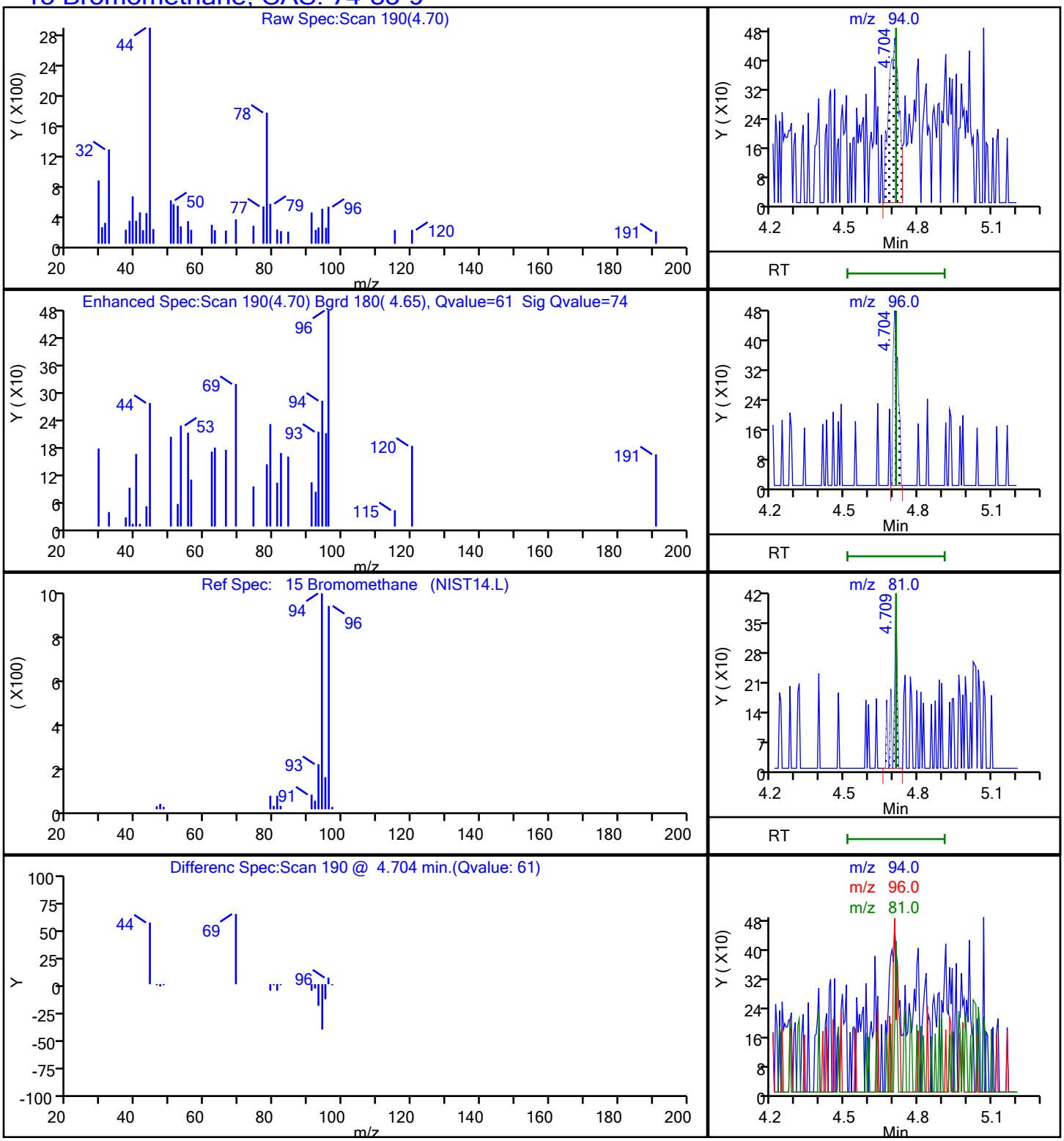
51 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D				
Injection Date:	10-Feb-2021 06:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4		
Client ID:	GPEC-IA 327				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	19
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		

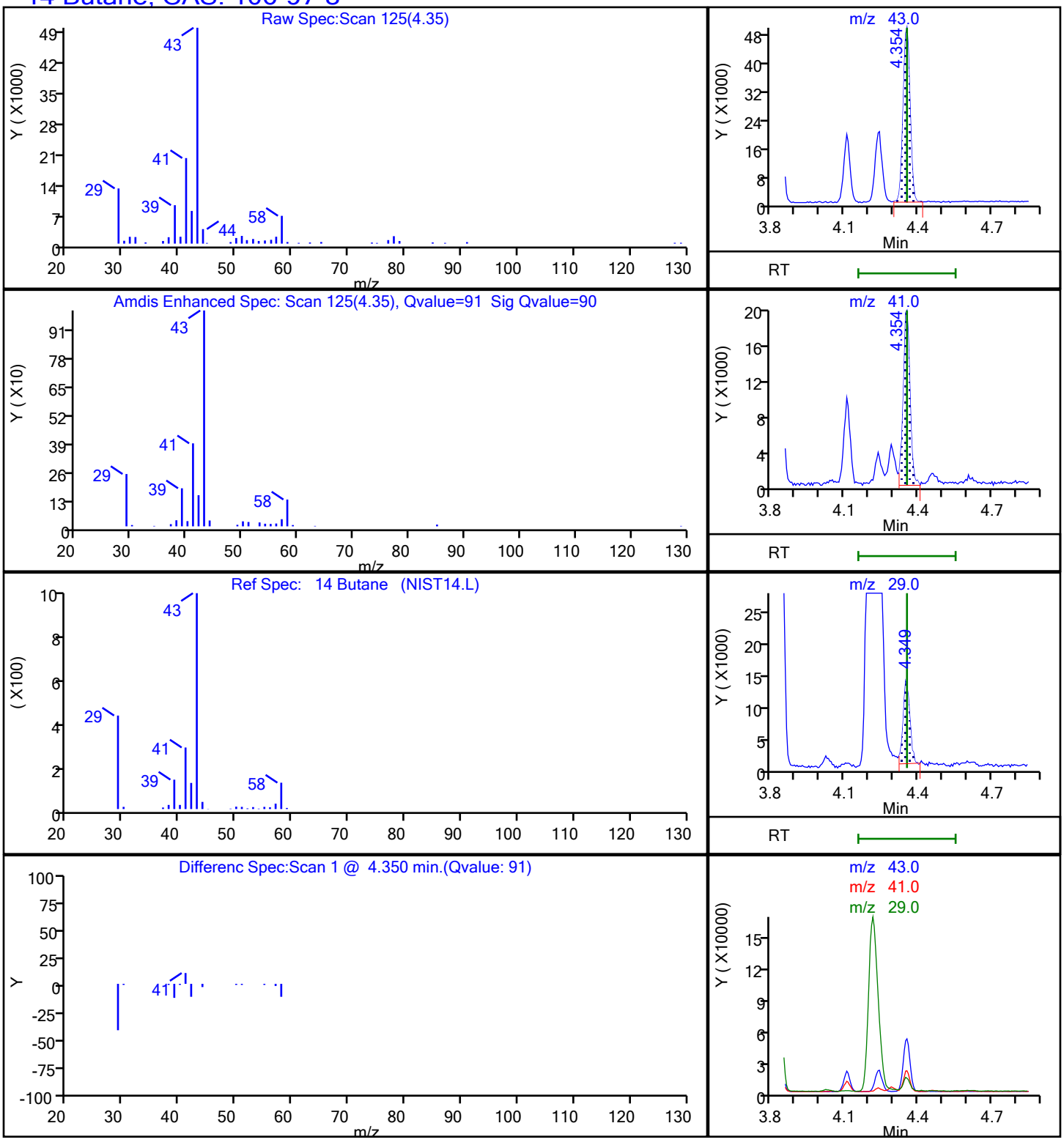
15 Bromomethane, CAS: 74-83-9



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D		
Injection Date:	10-Feb-2021 06:06:30	Instrument ID:	MS
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 19
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

14 Butane, CAS: 106-97-8



Eurofins TestAmerica, Knoxville

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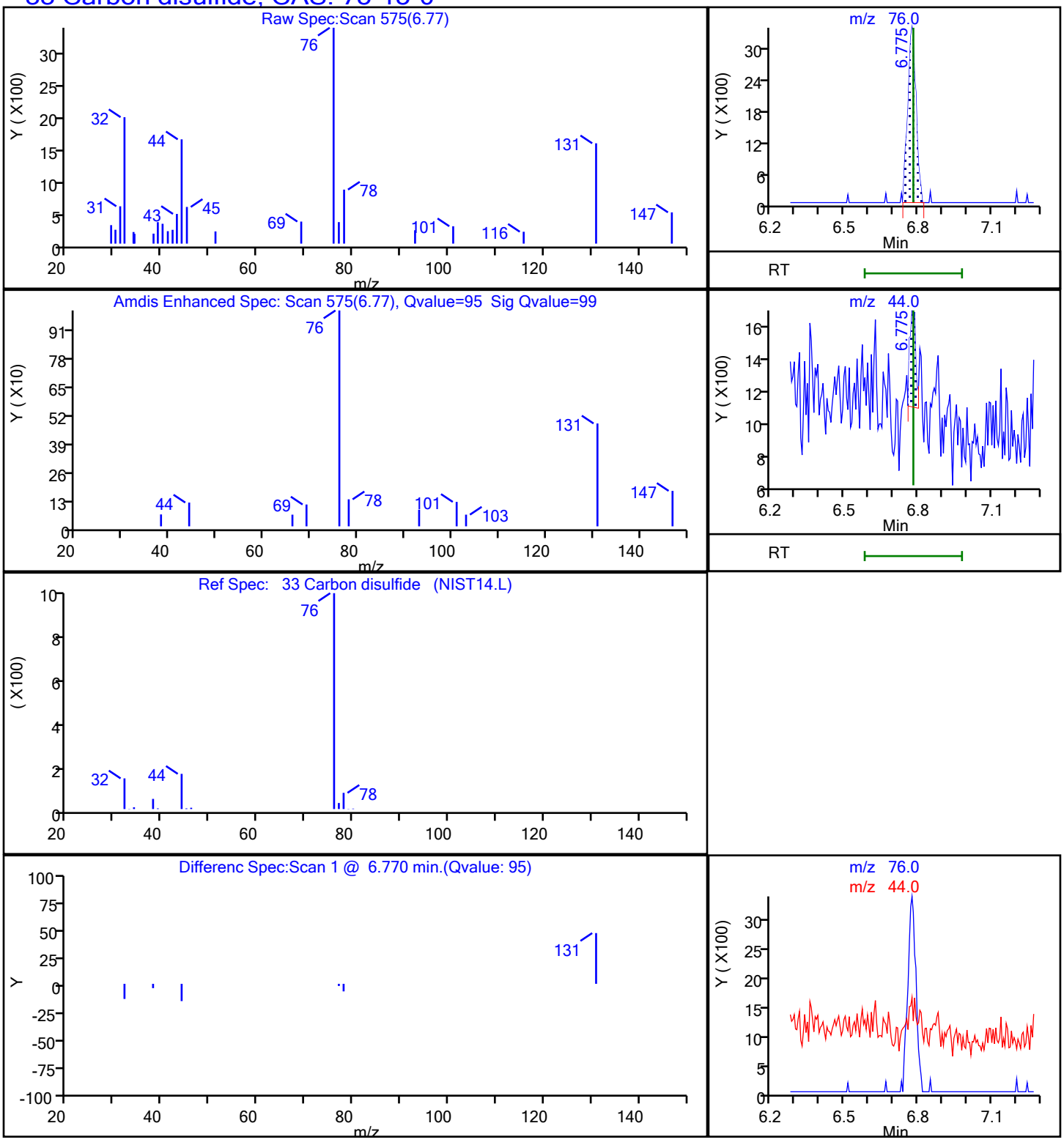
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

33 Carbon disulfide, CAS: 75-15-0



Eurofins TestAmerica, Knoxville

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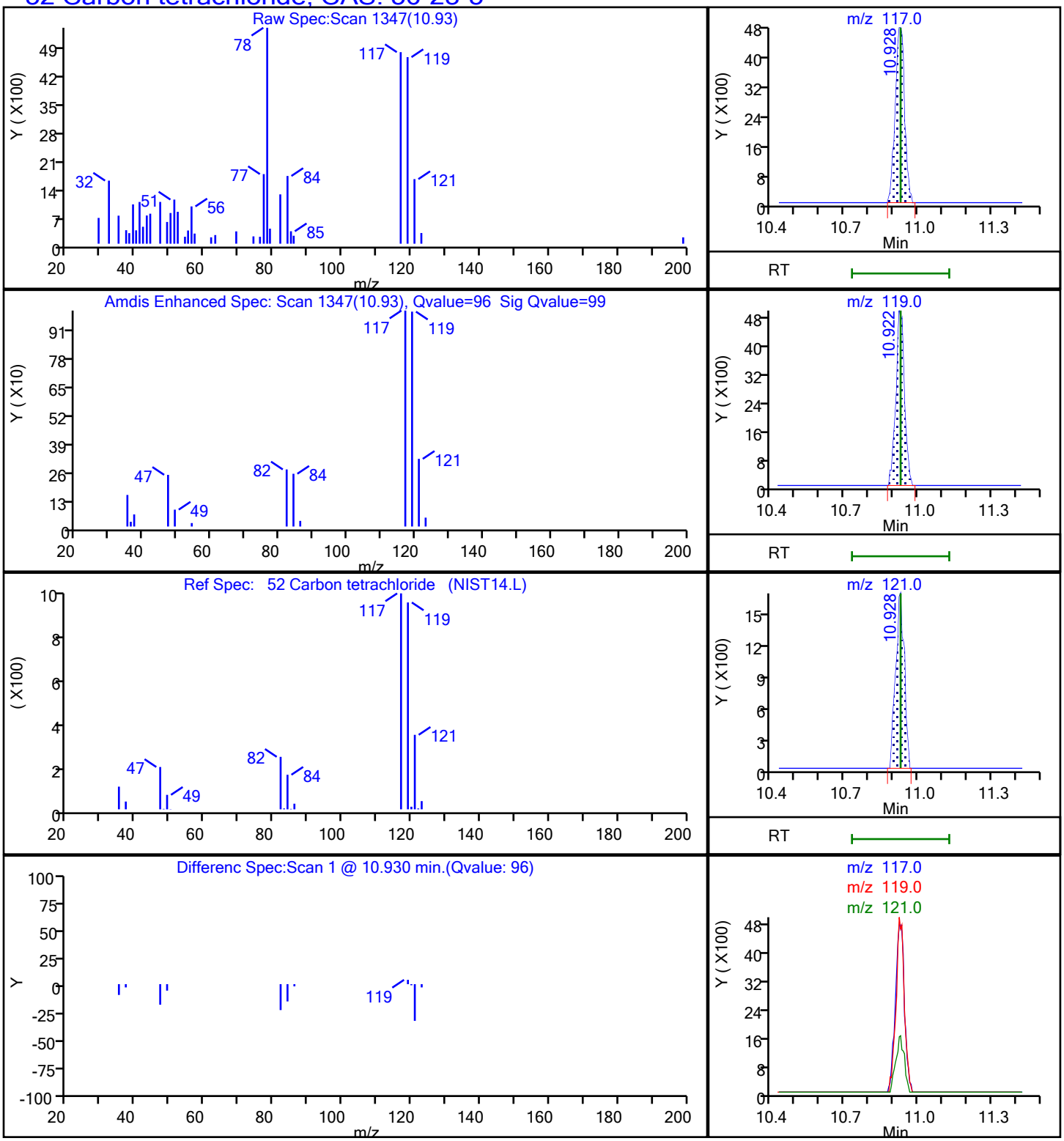
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

52 Carbon tetrachloride, CAS: 56-23-5



Eurofins TestAmerica, Knoxville

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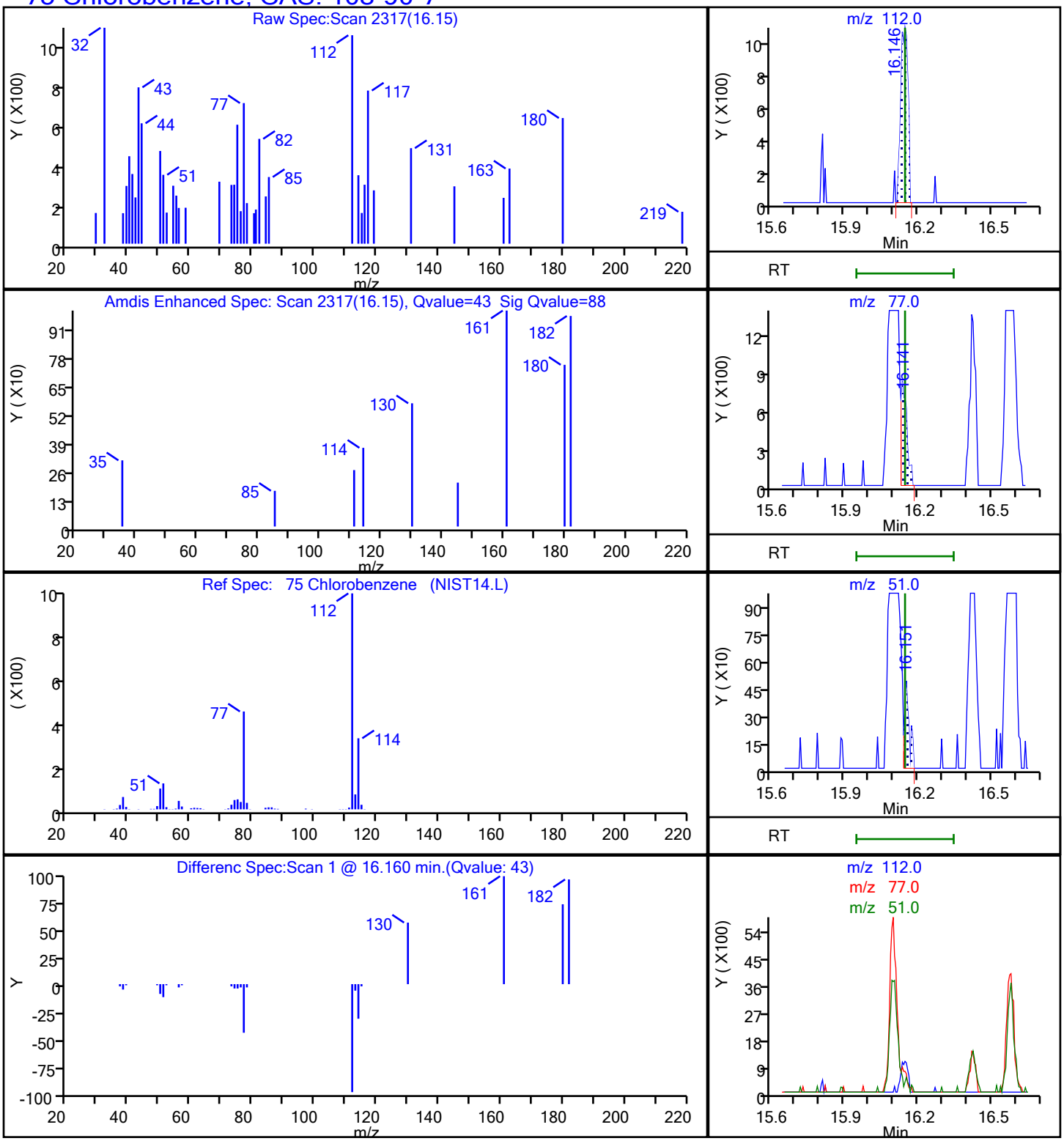
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

75 Chlorobenzene, CAS: 108-90-7



Report Date: 11-Feb-2021 09:30:33 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

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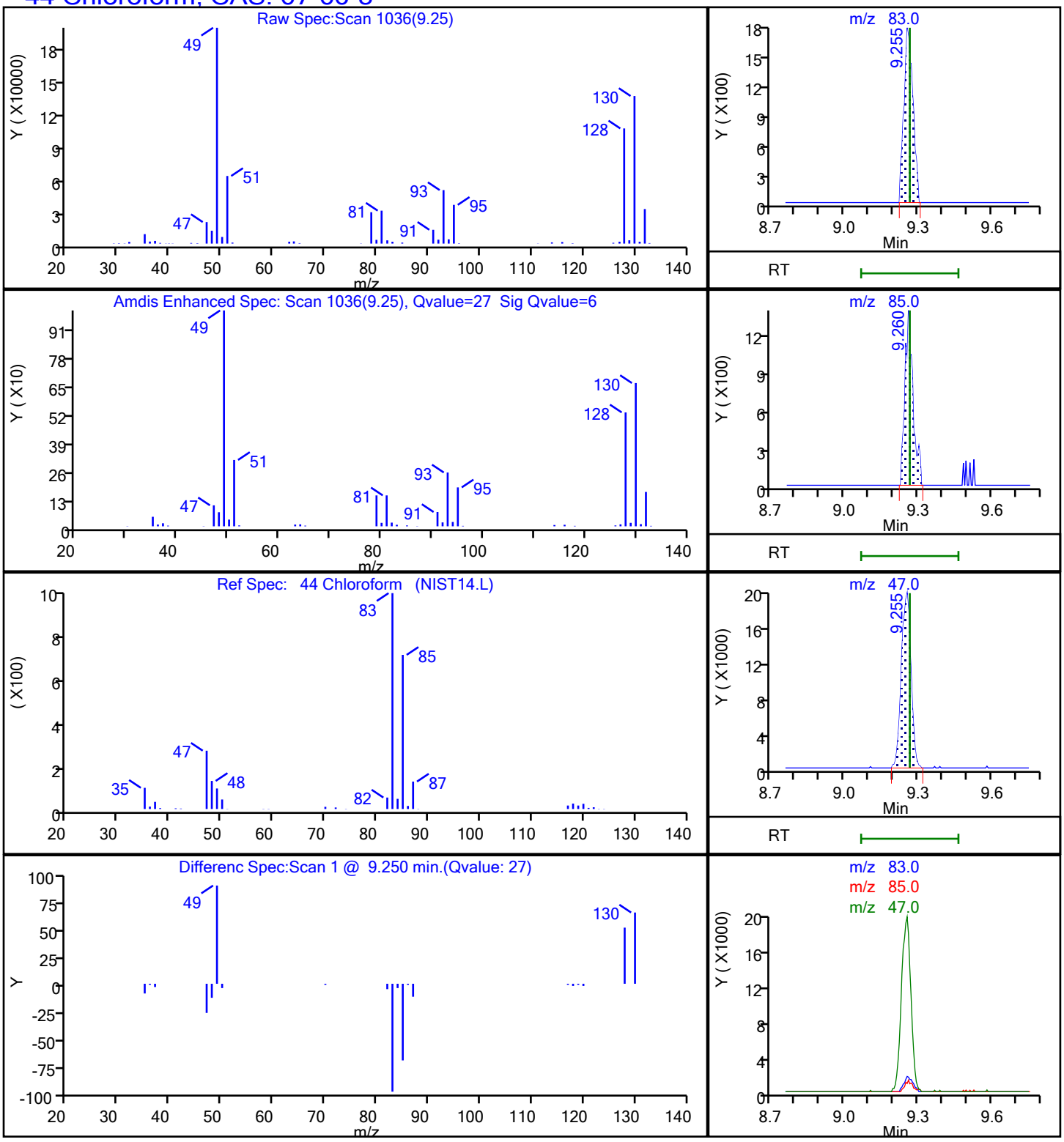
Client ID:	GPEC-IA 327				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

44 Chloroform, CAS: 67-66-3



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Eurofins TestAmerica, Knoxville

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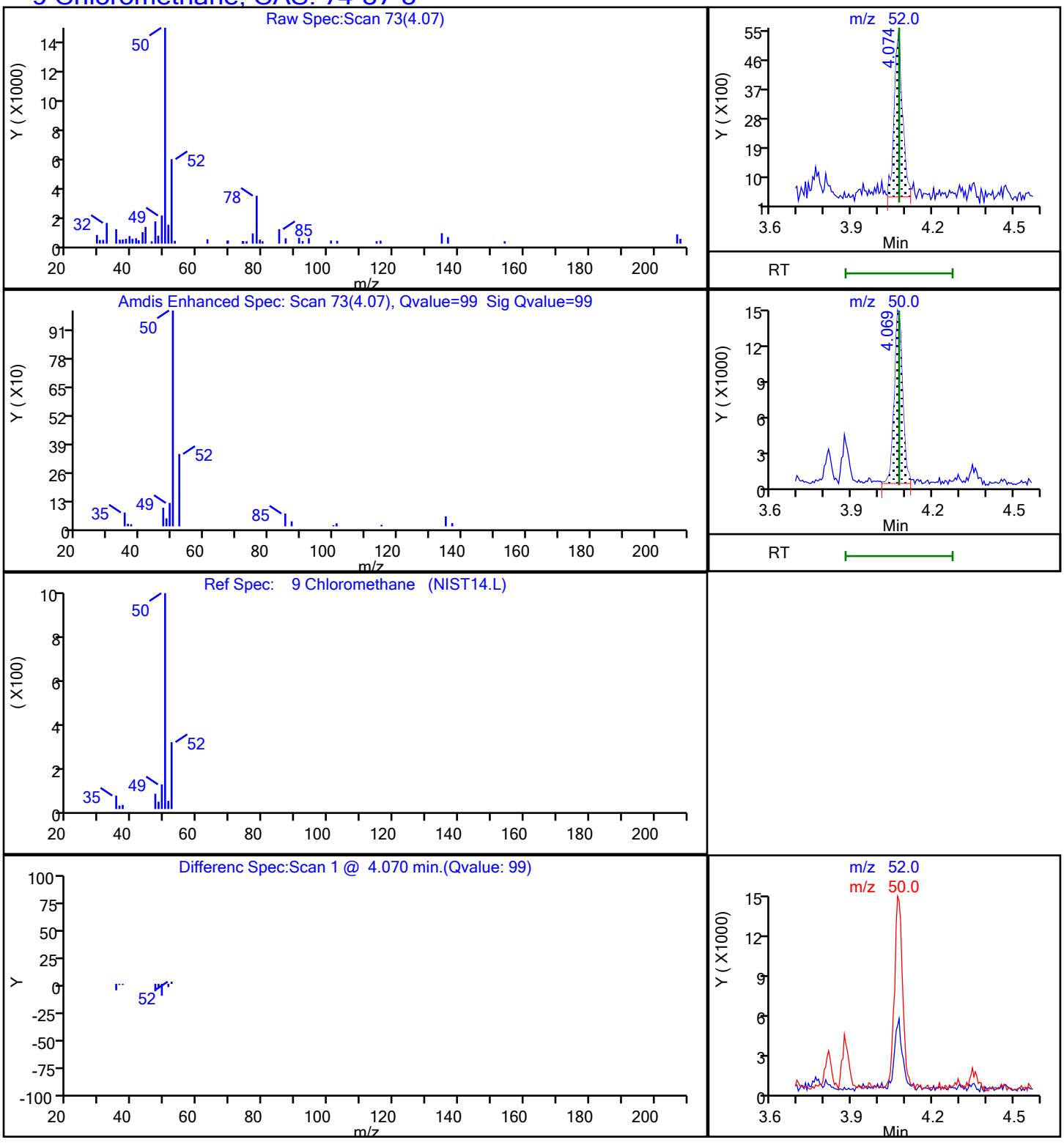
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4		
Client ID:	GPEC-IA 327				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

9 Chloromethane, CAS: 74-87-3



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Eurofins TestAmerica, Knoxville

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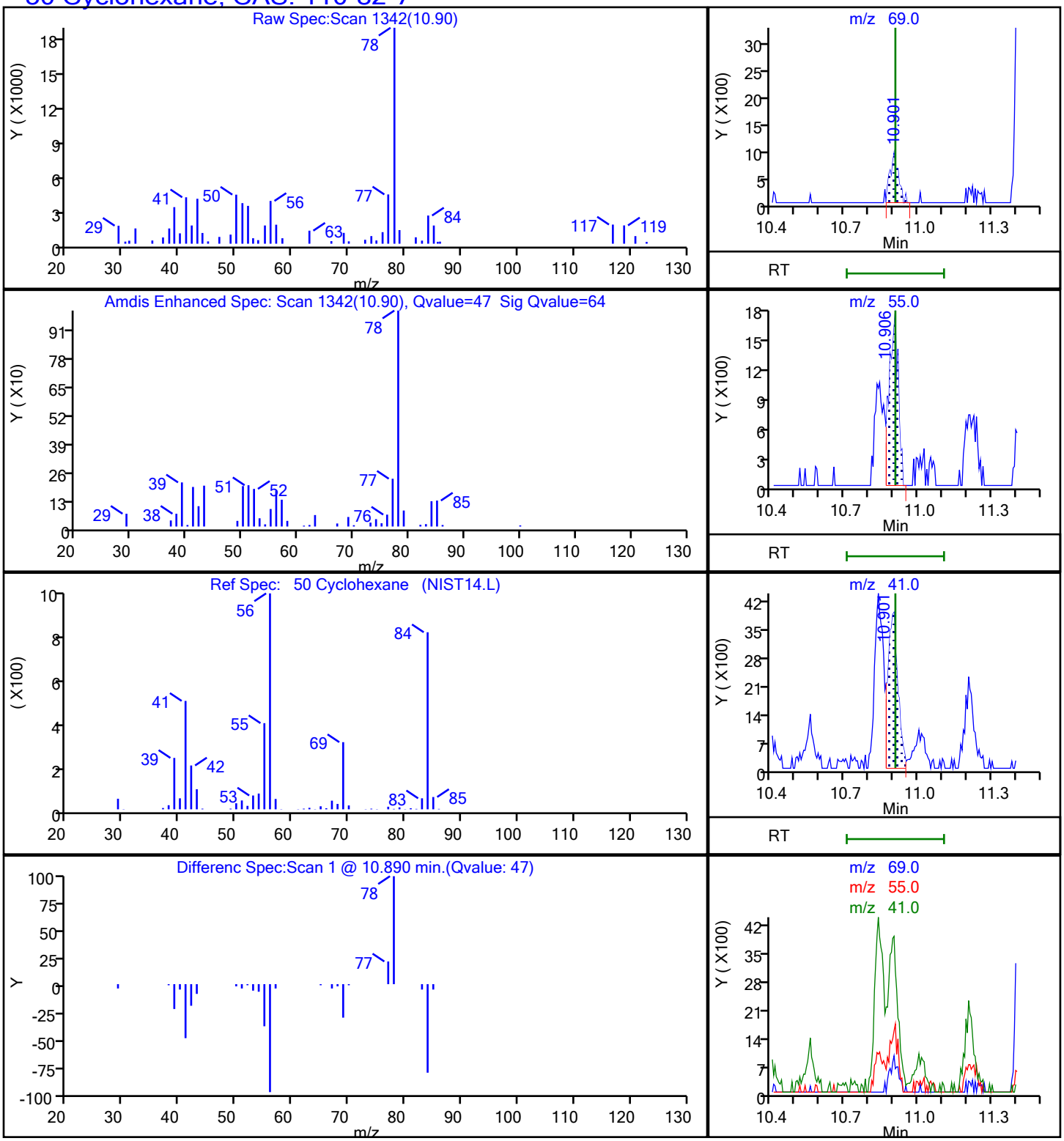
Client ID:	GPEC-IA 327				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

50 Cyclohexane, CAS: 110-82-7



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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D

Injection Date: 10-Feb-2021 06:06:30 Instrument ID: MS

Lims ID: 140-21885-A-4 Lab Sample ID: 140-21885-4

Client ID: GPEC-IA 327

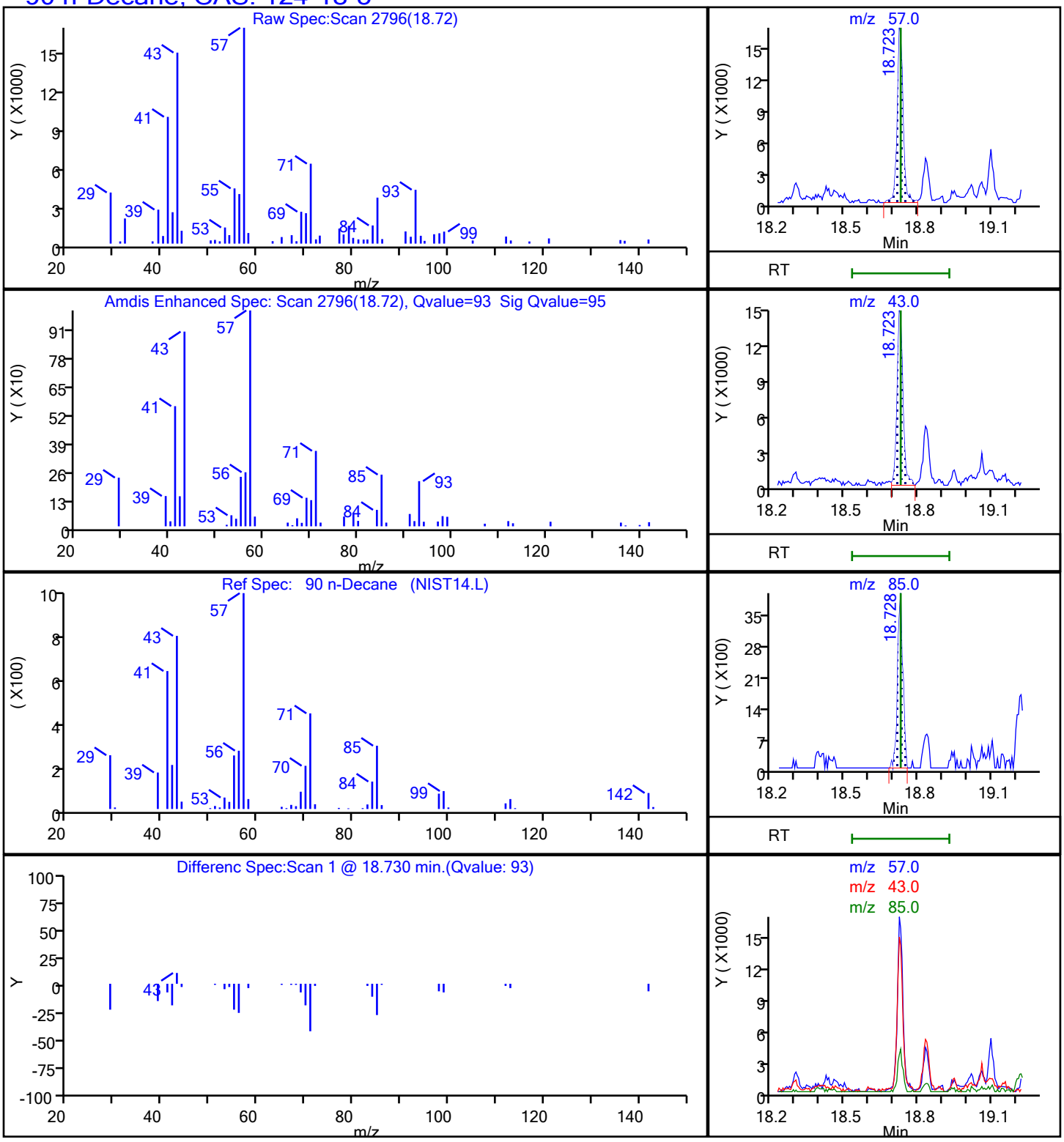
Operator ID: HMT ALS Bottle#: 14 Worklist Smp#: 19

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

90 n-Decane, CAS: 124-18-5



Eurofins TestAmerica, Knoxville

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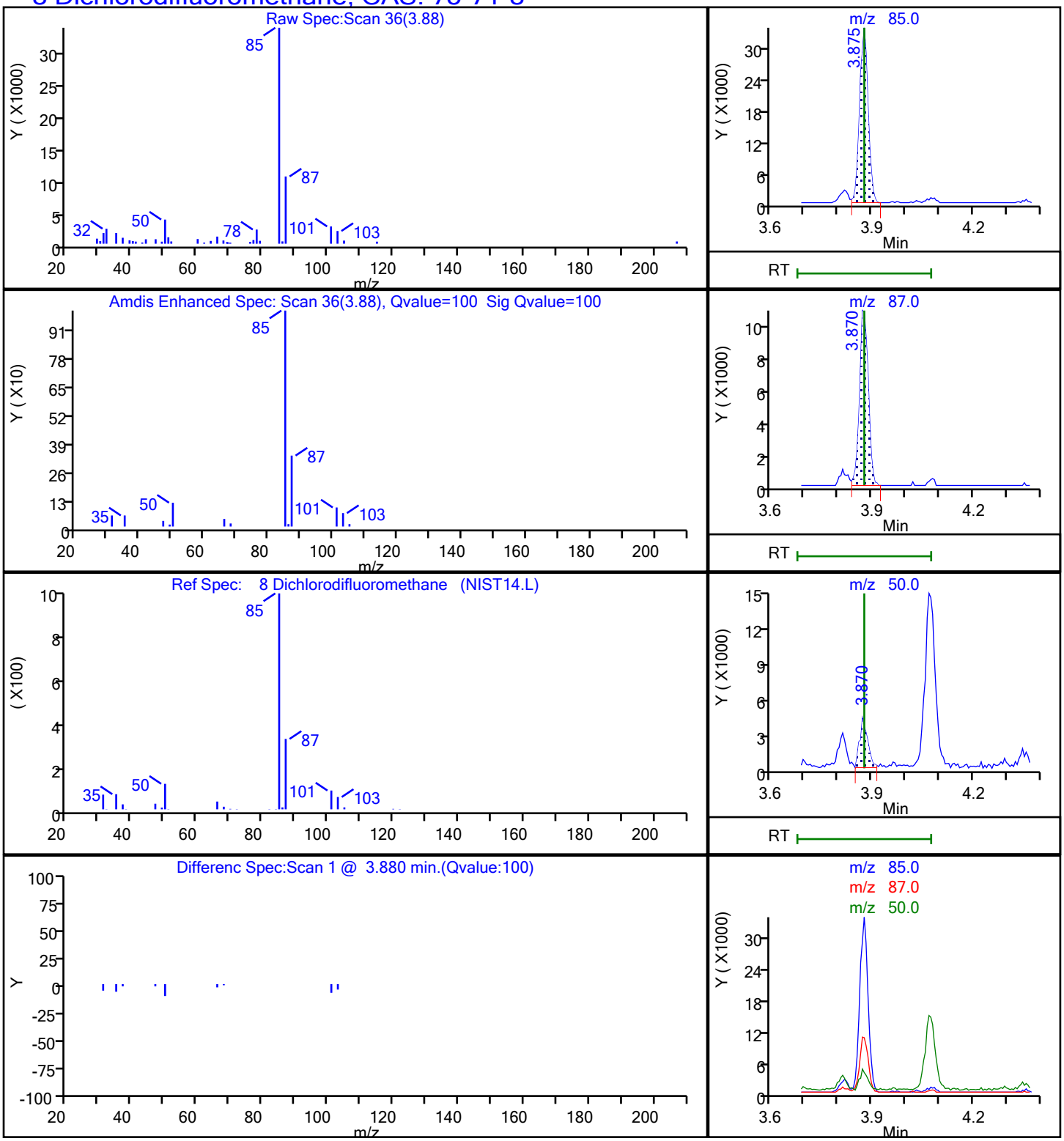
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4		
Client ID:	GPEC-IA 327				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

8 Dichlorodifluoromethane, CAS: 75-71-8



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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D

Injection Date: 10-Feb-2021 06:06:30 Instrument ID: MS

Lims ID: 140-21885-A-4 Lab Sample ID: 140-21885-4

Client ID: GPEC-IA 327

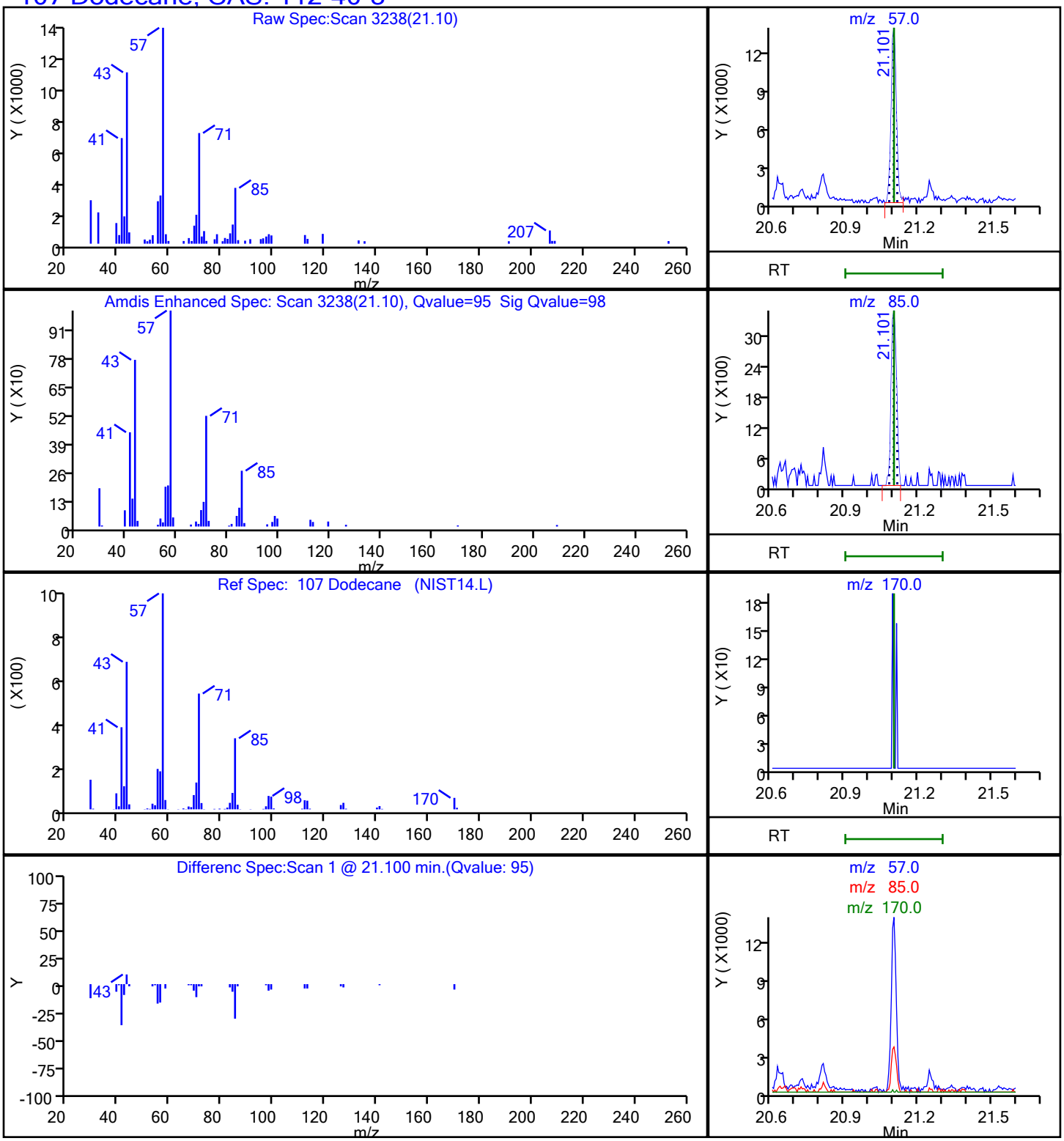
Operator ID: HMT ALS Bottle#: 14 Worklist Smp#: 19

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

107 Dodecane, CAS: 112-40-3



Eurofins TestAmerica, Knoxville

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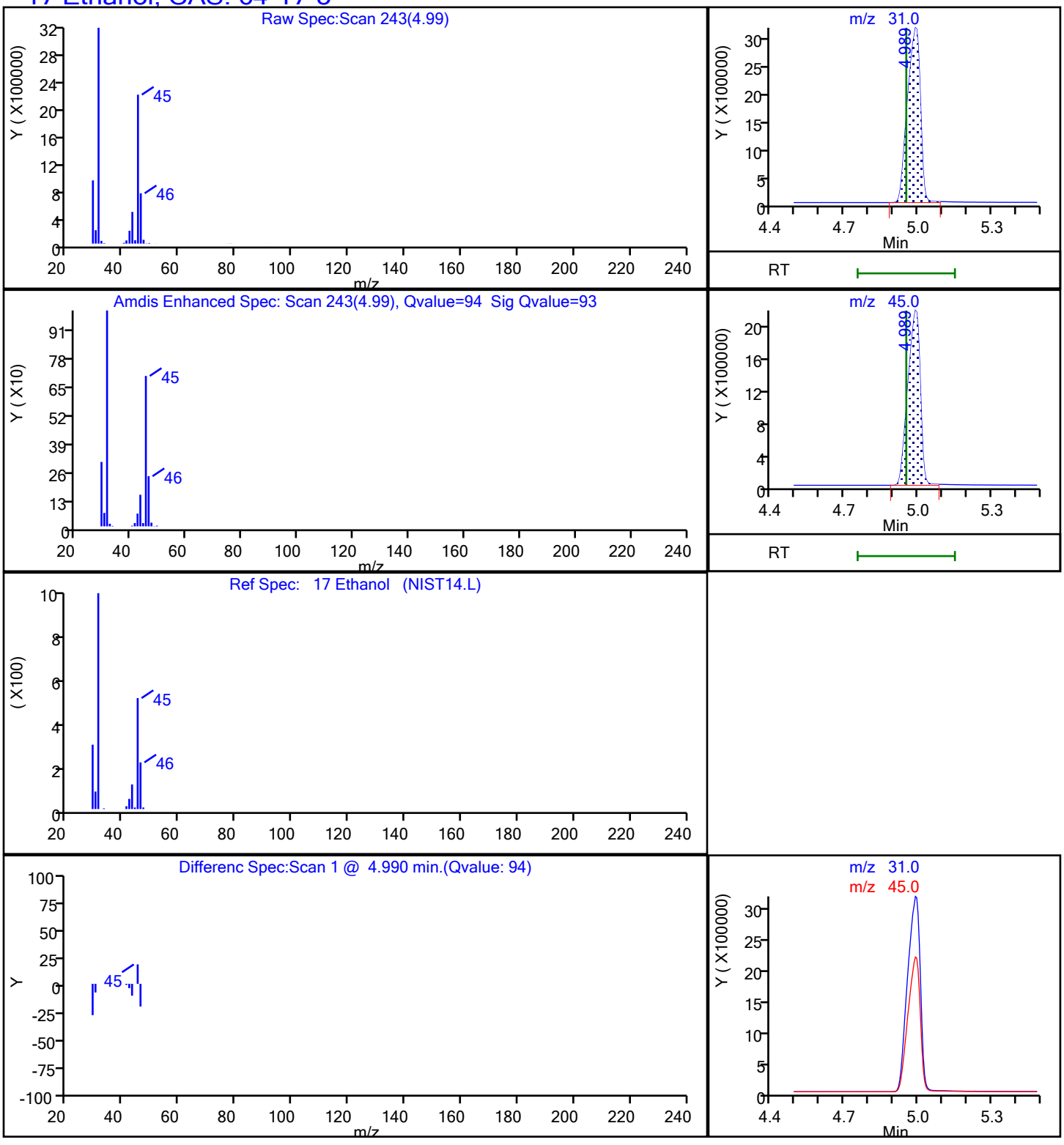
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

17 Ethanol, CAS: 64-17-5



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Eurofins TestAmerica, Knoxville

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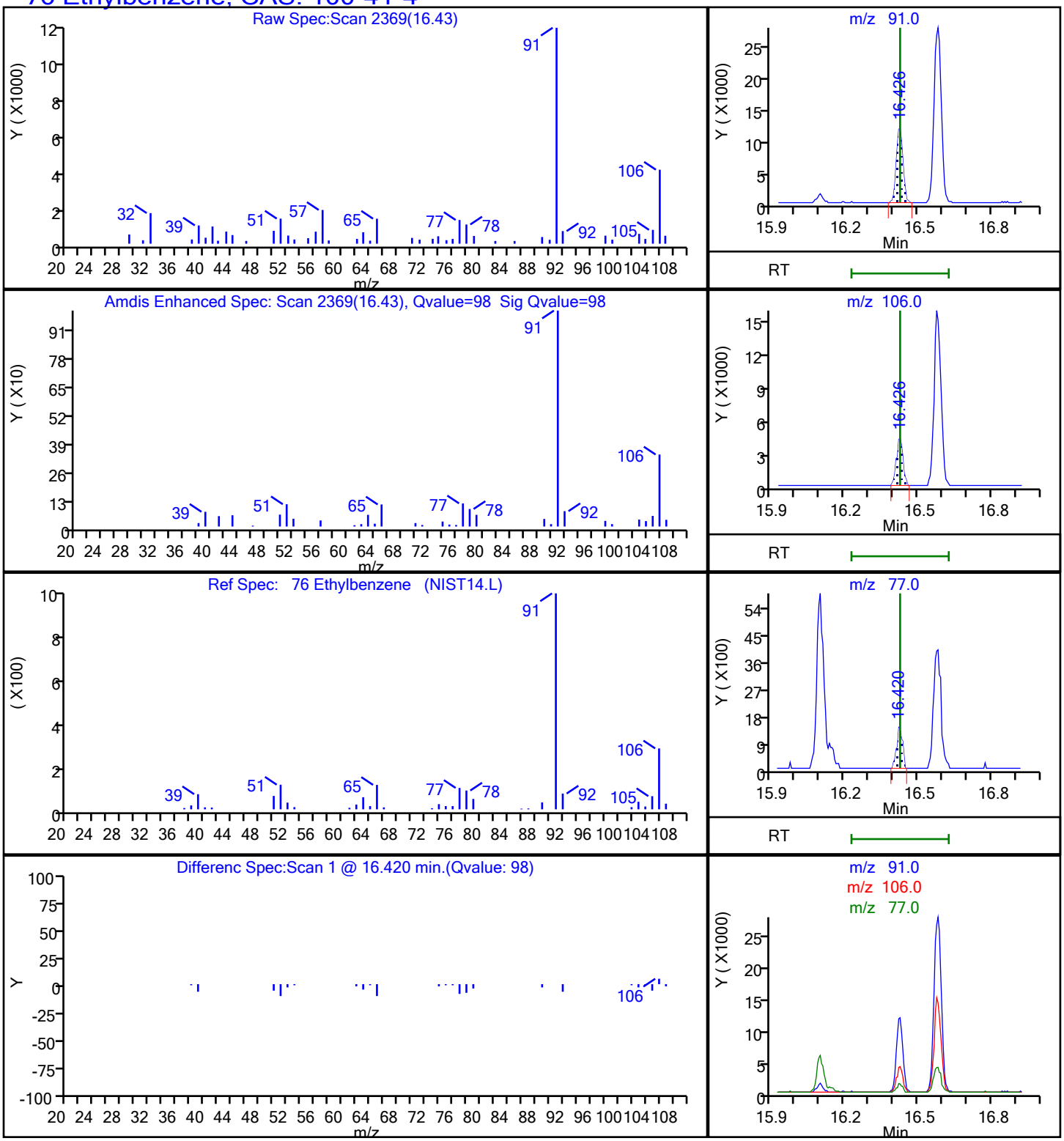
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

76 Ethylbenzene, CAS: 100-41-4



Eurofins TestAmerica, Knoxville

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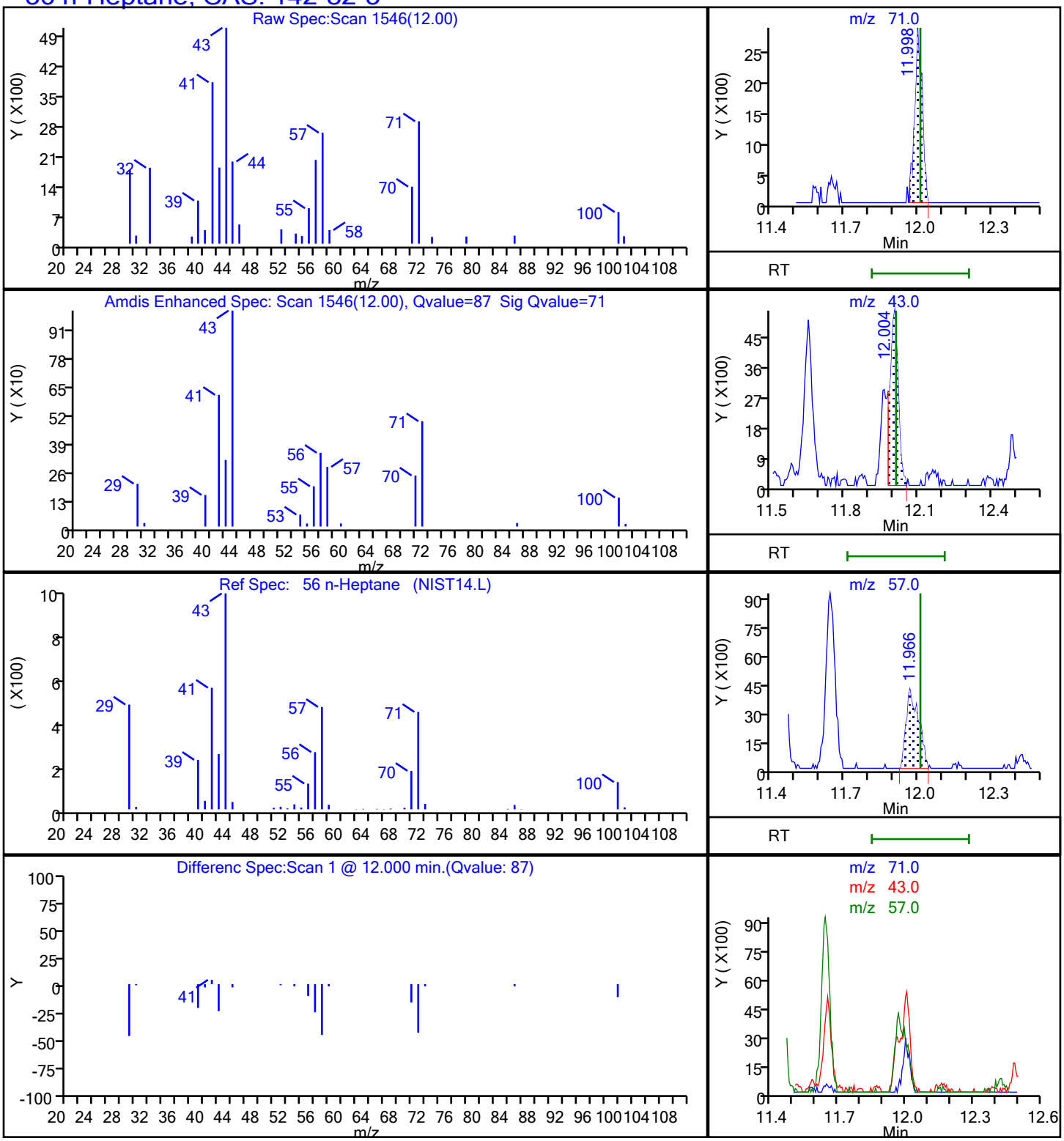
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

56 n-Heptane, CAS: 142-82-5



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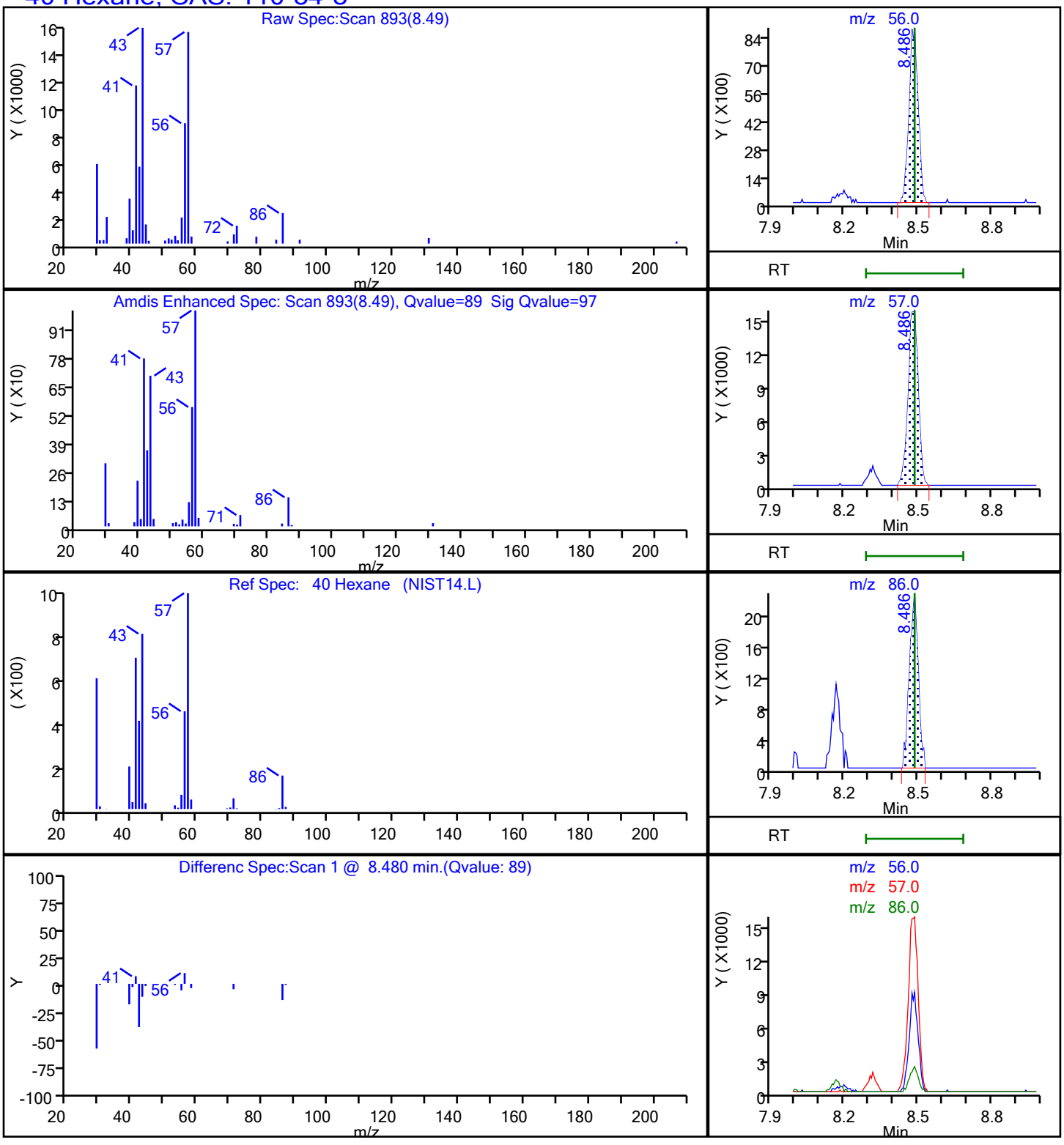
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4		
Client ID:	GPEC-IA 327				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

40 Hexane, CAS: 110-54-3



Eurofins TestAmerica, Knoxville

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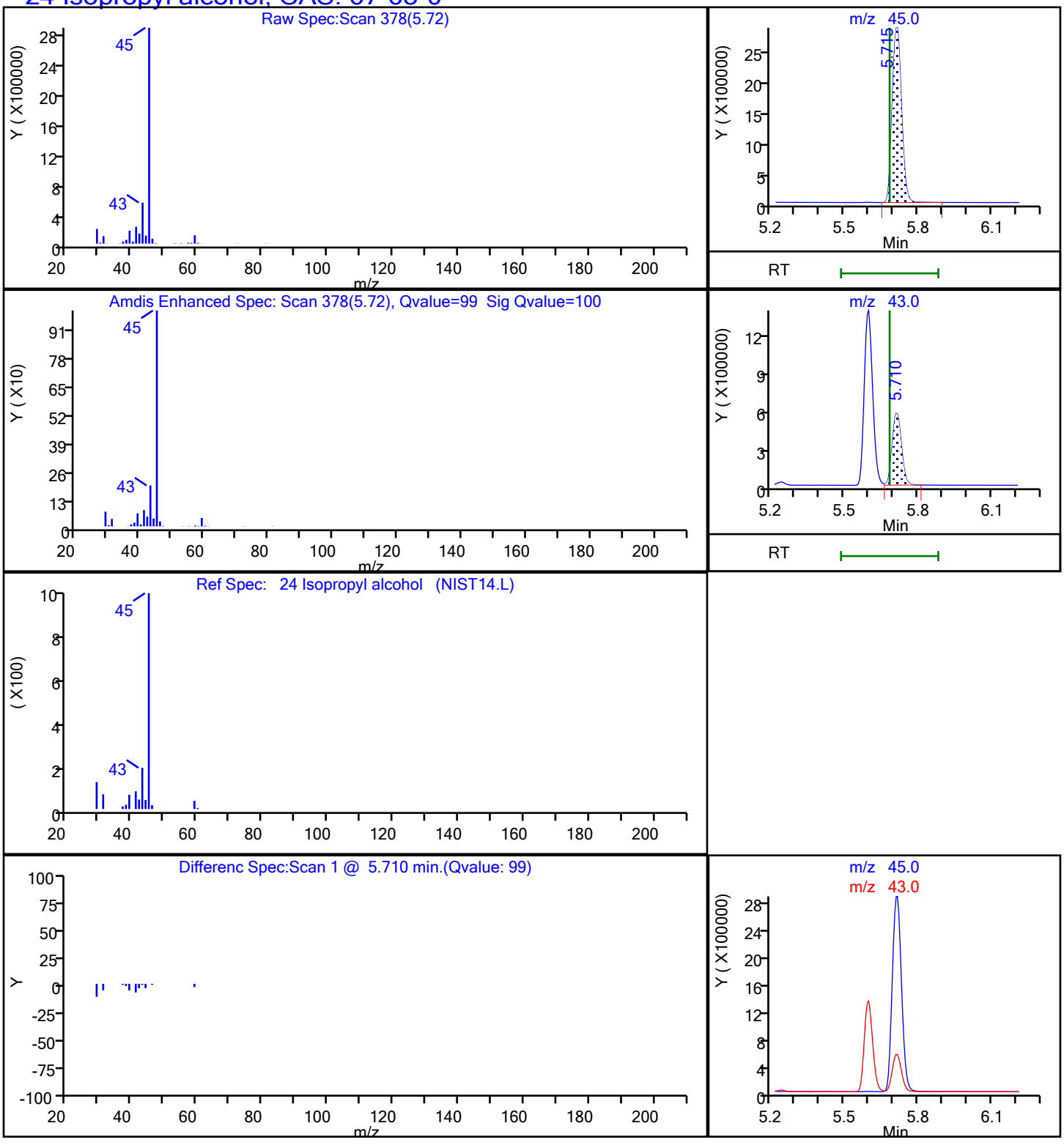
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0



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Eurofins TestAmerica, Knoxville

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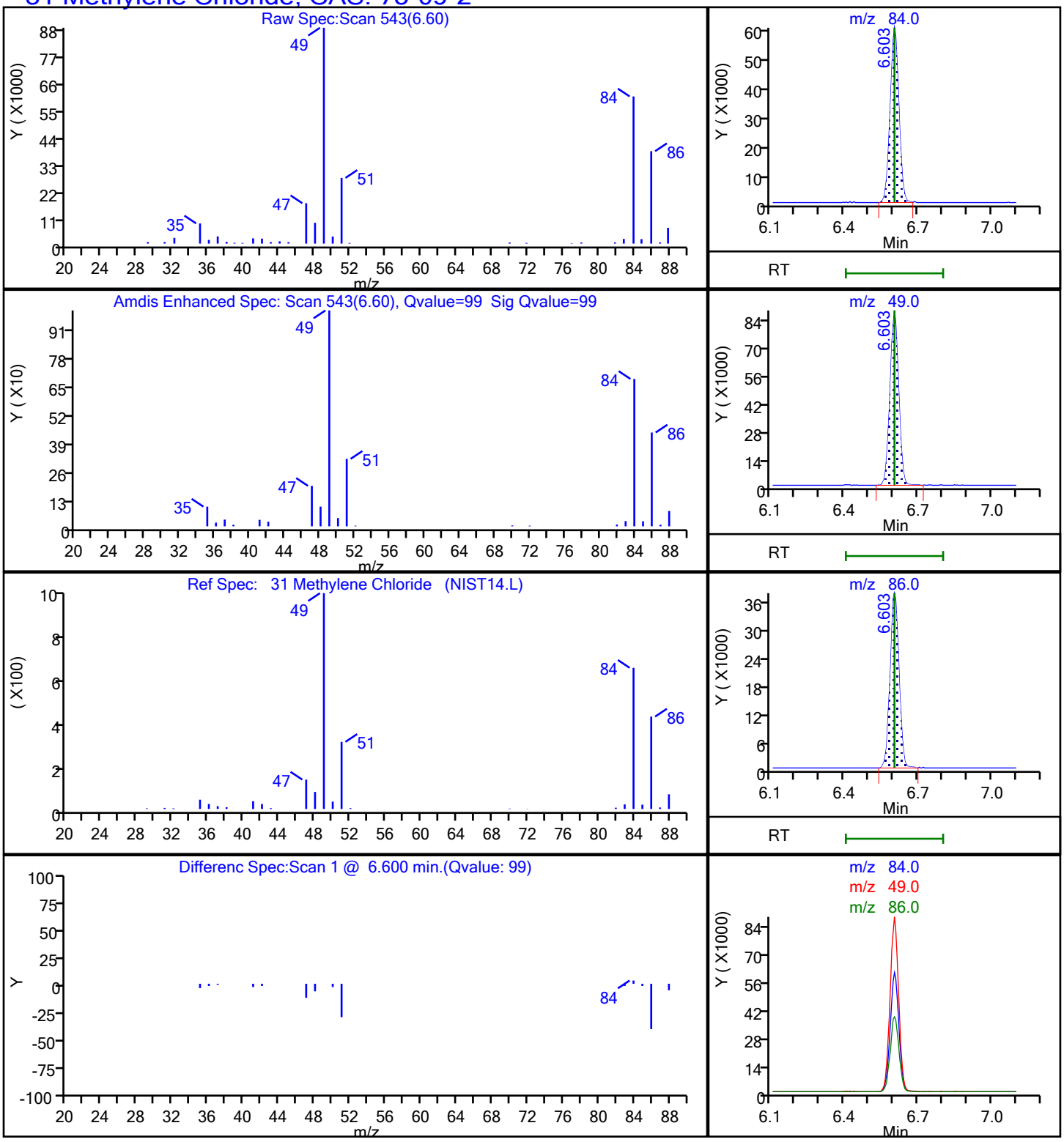
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4		
Client ID:	GPEC-IA 327				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

31 Methylene Chloride, CAS: 75-09-2



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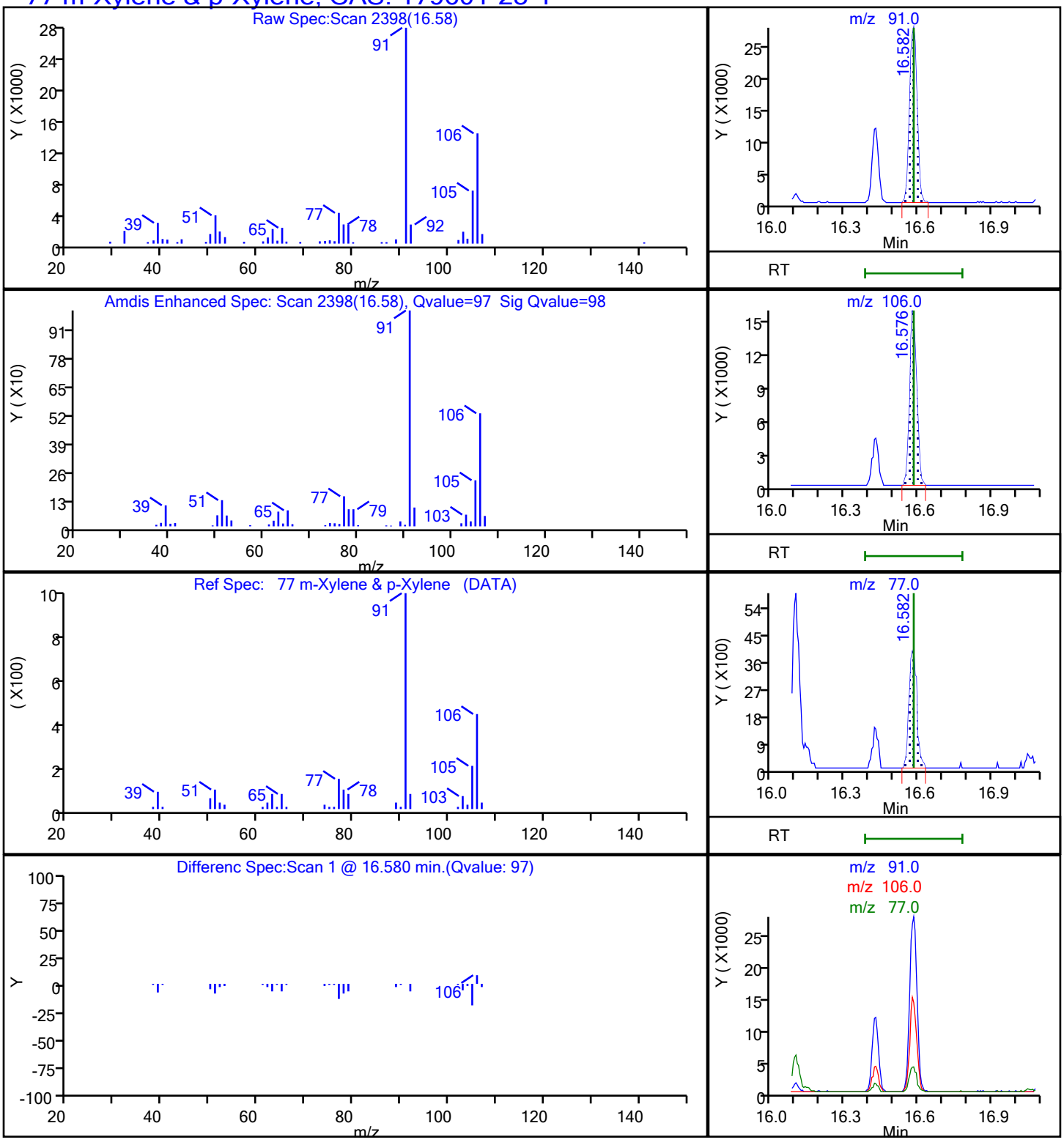
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

77 m-Xylene & p-Xylene, CAS: 179601-23-1



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Eurofins TestAmerica, Knoxville

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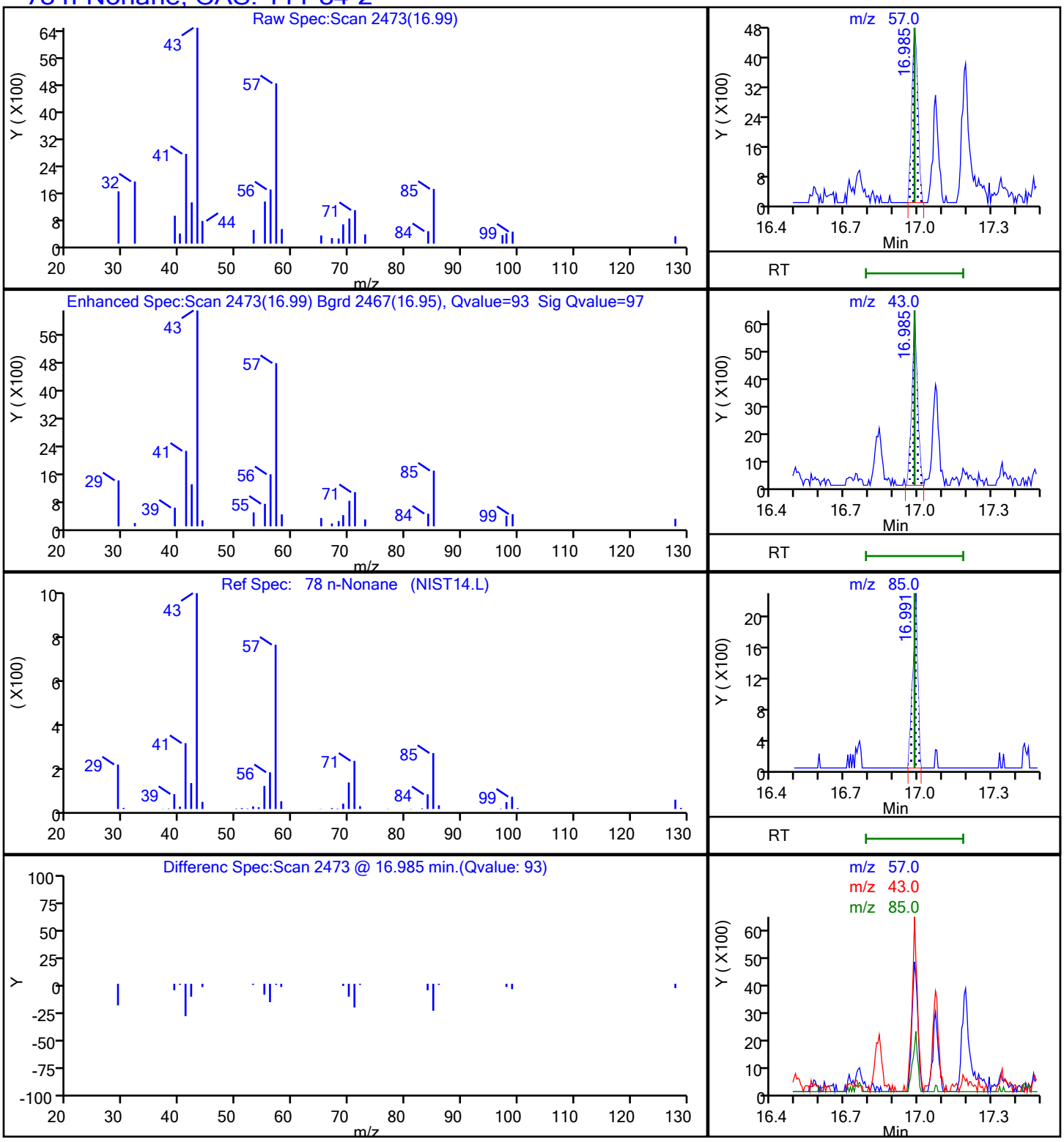
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

78 n-Nonane, CAS: 111-84-2



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Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
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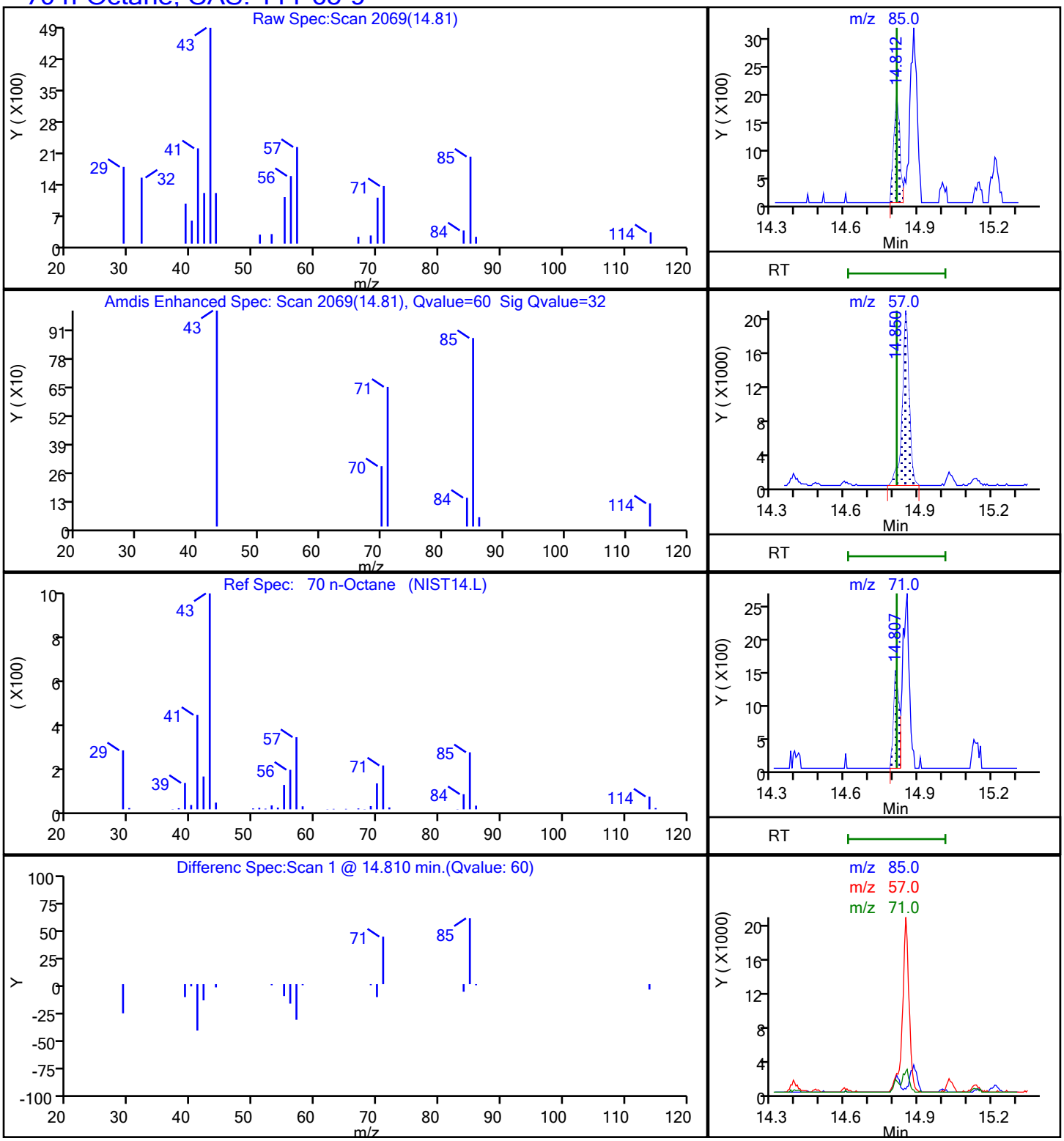
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

70 n-Octane, CAS: 111-65-9



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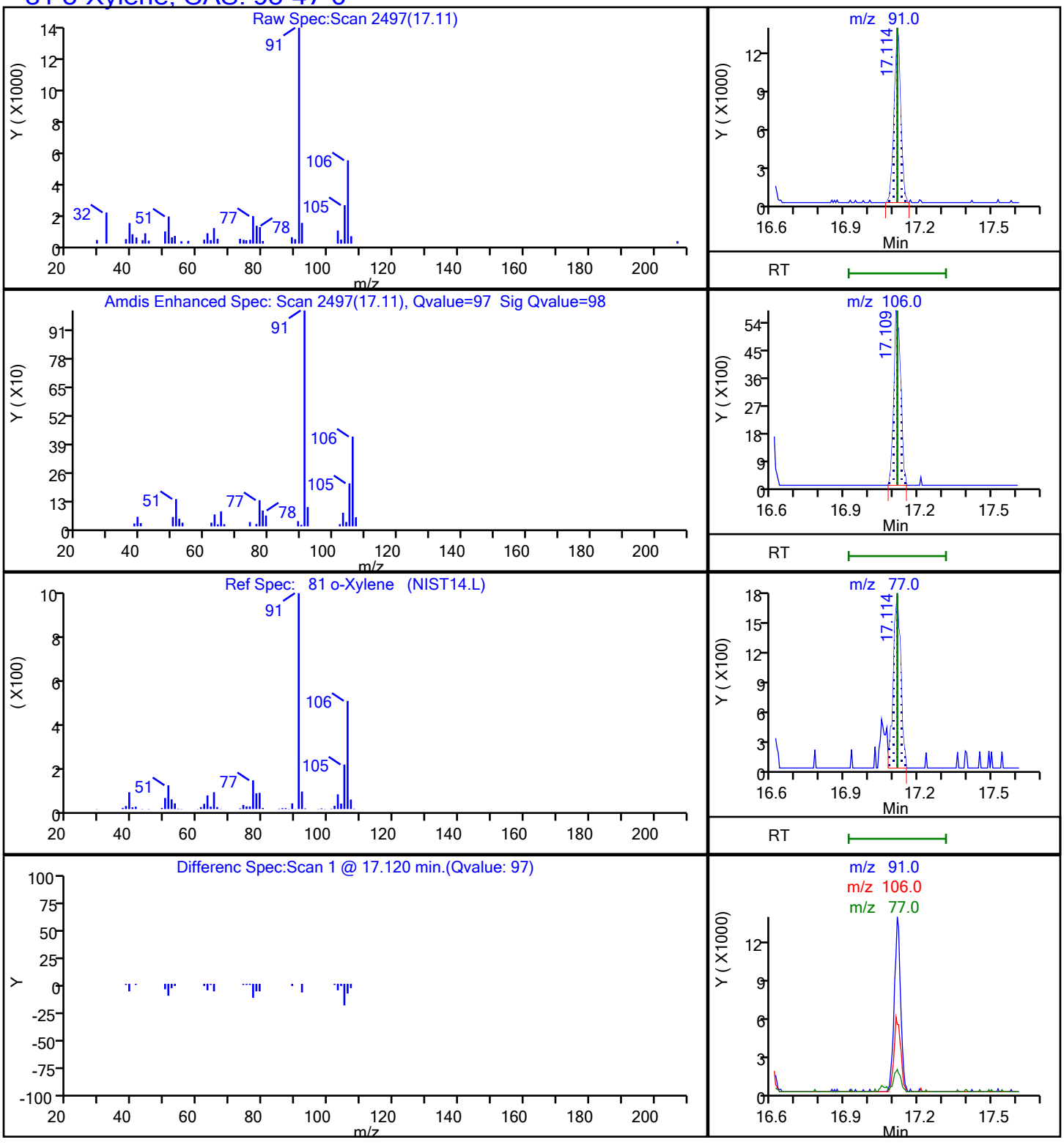
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

81 o-Xylene, CAS: 95-47-6



Report Date: 11-Feb-2021 09:30:32 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D

Injection Date: 10-Feb-2021 06:06:30 Instrument ID: MS

Lims ID: 140-21885-A-4 Lab Sample ID: 140-21885-4

Client ID: GPEC-IA 327

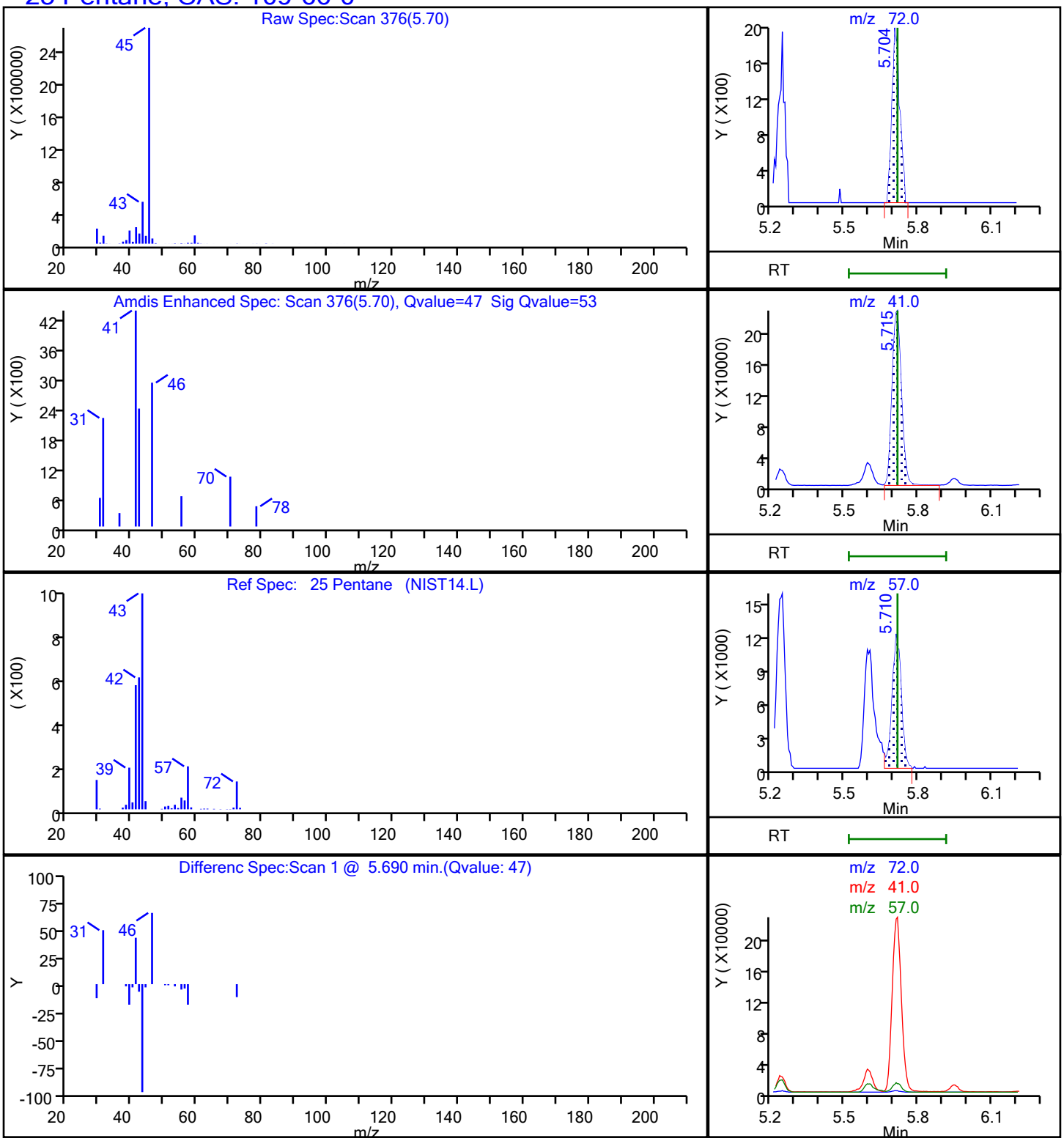
Operator ID: HMT ALS Bottle#: 14 Worklist Smp#: 19

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

25 Pentane, CAS: 109-66-0



Eurofins TestAmerica, Knoxville

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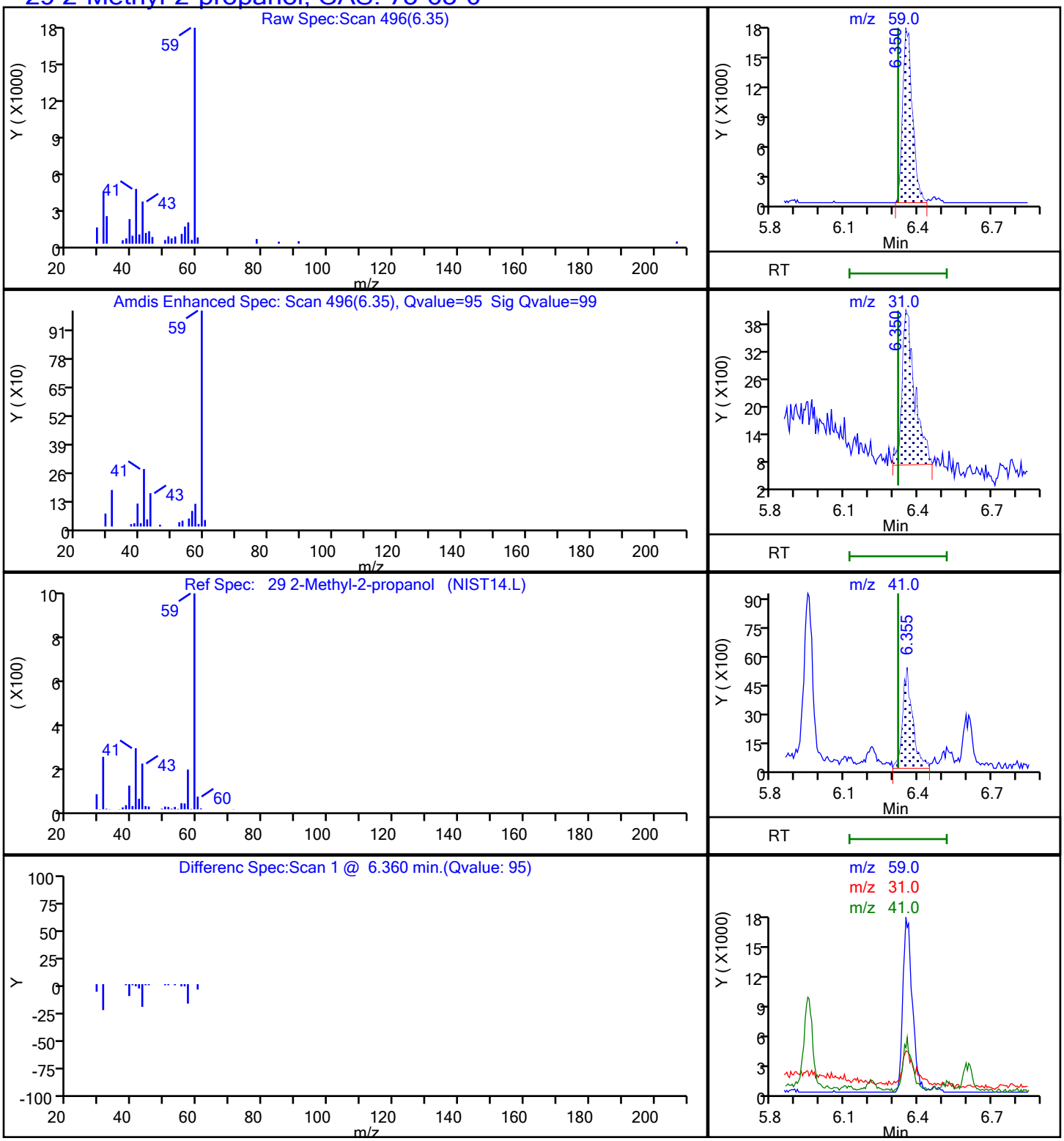
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

29 2-Methyl-2-propanol, CAS: 75-65-0



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Eurofins TestAmerica, Knoxville

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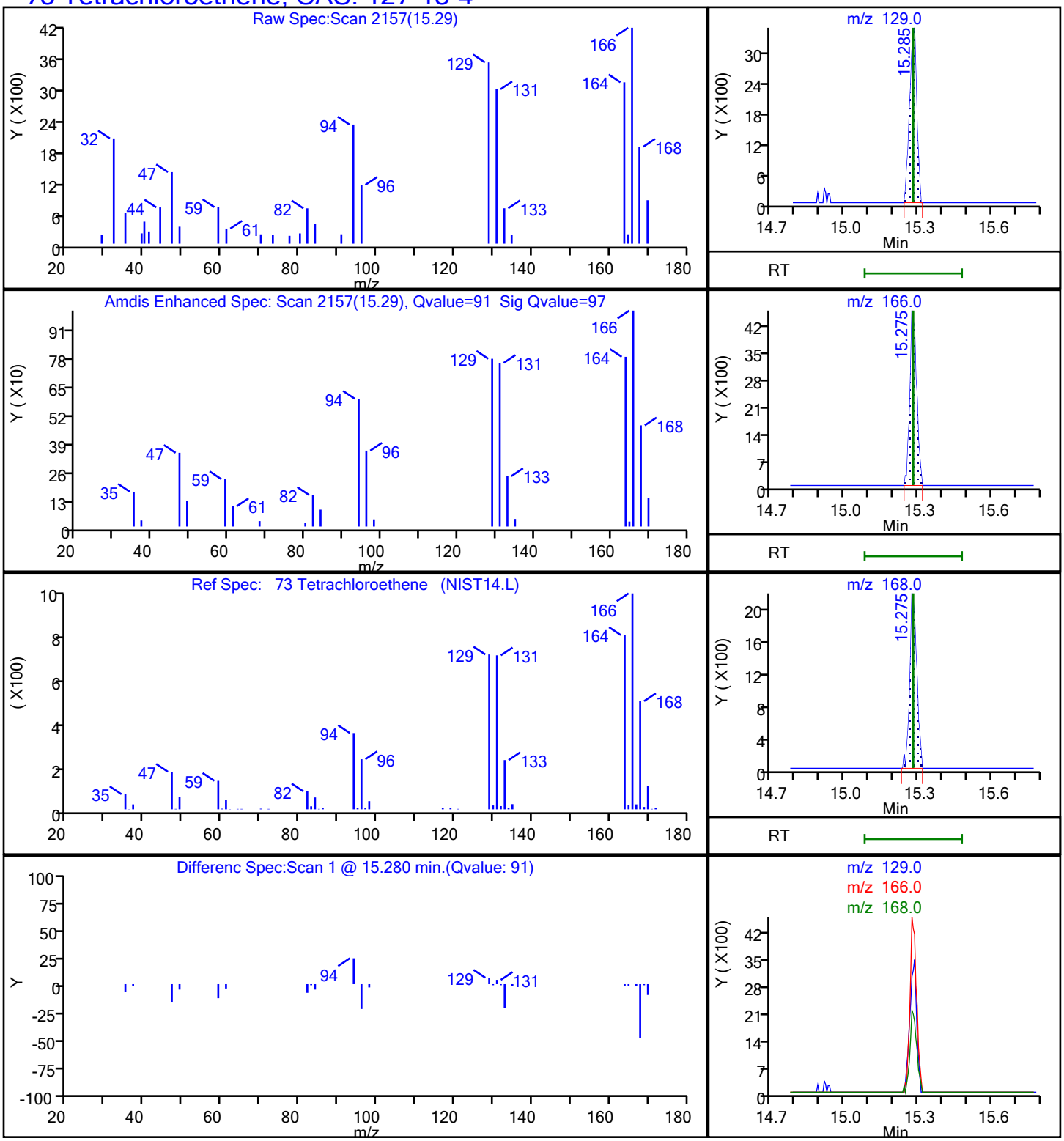
Client ID:	GPEC-IA 327				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

73 Tetrachloroethene, CAS: 127-18-4

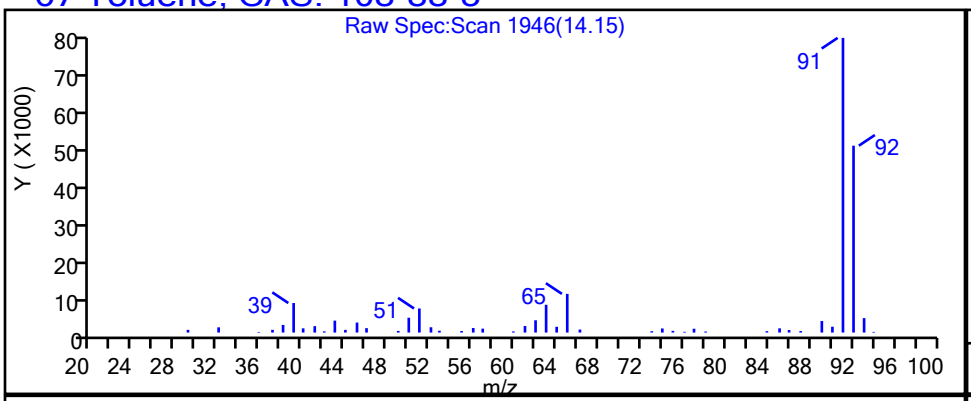


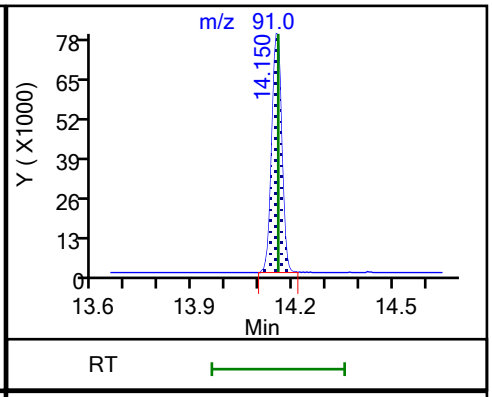
Report Date: 11-Feb-2021 09:30:33 Chrom Revision: 2.3 09-Dec-2020 16:22:14

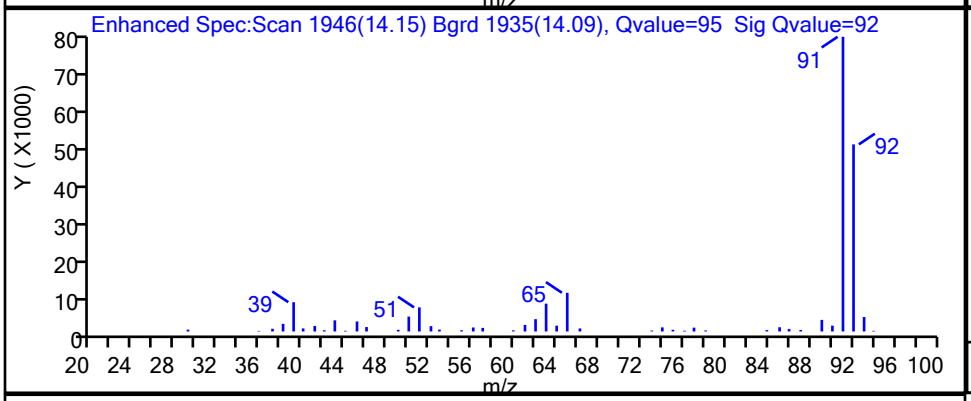
Eurofins TestAmerica, Knoxville

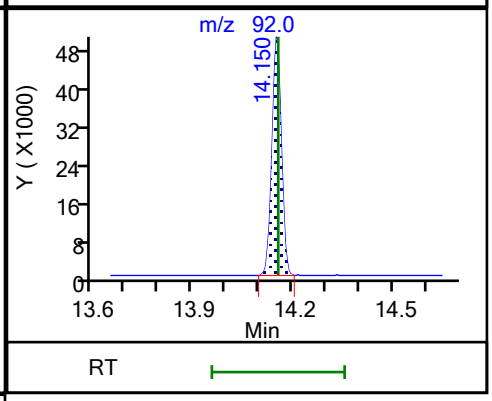
Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D				
Injection Date:	10-Feb-2021 06:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4		
Client ID:	GPEC-IA 327				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

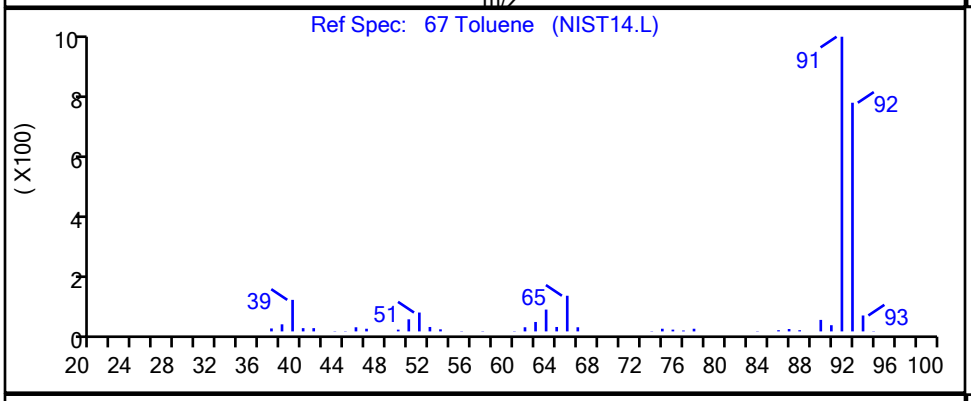
67 Toluene, CAS: 108-88-3

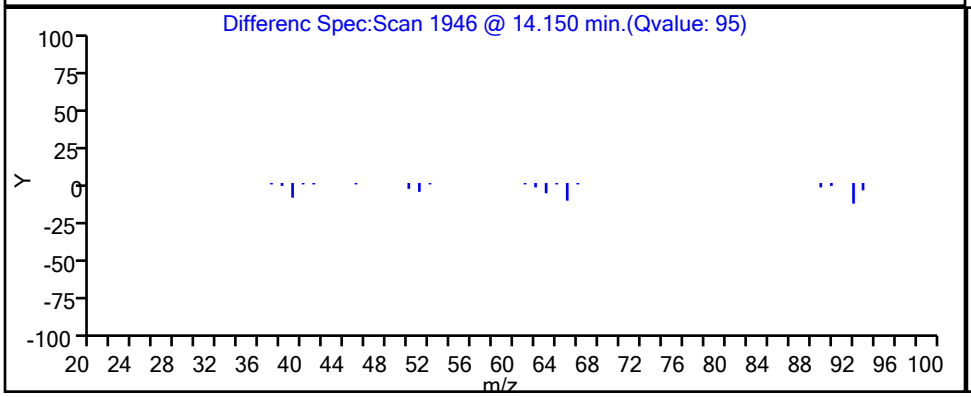


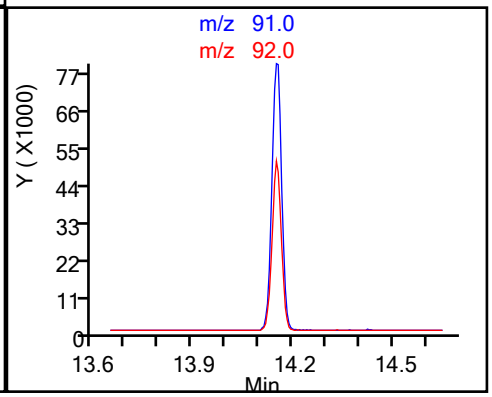








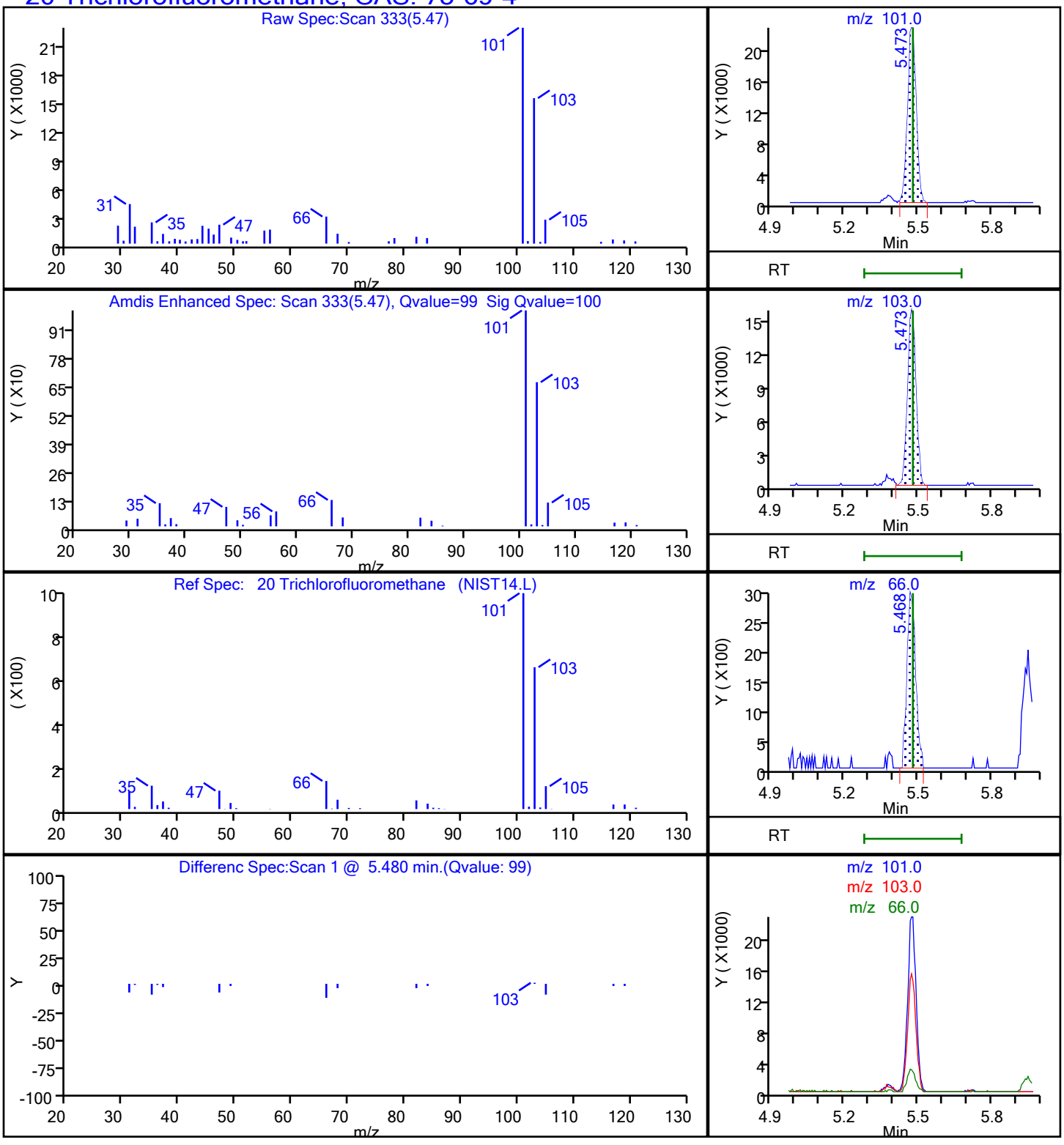




Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D		
Injection Date:	10-Feb-2021 06:06:30	Instrument ID:	MS
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	14 Worklist Smp#: 19
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

20 Trichlorofluoromethane, CAS: 75-69-4



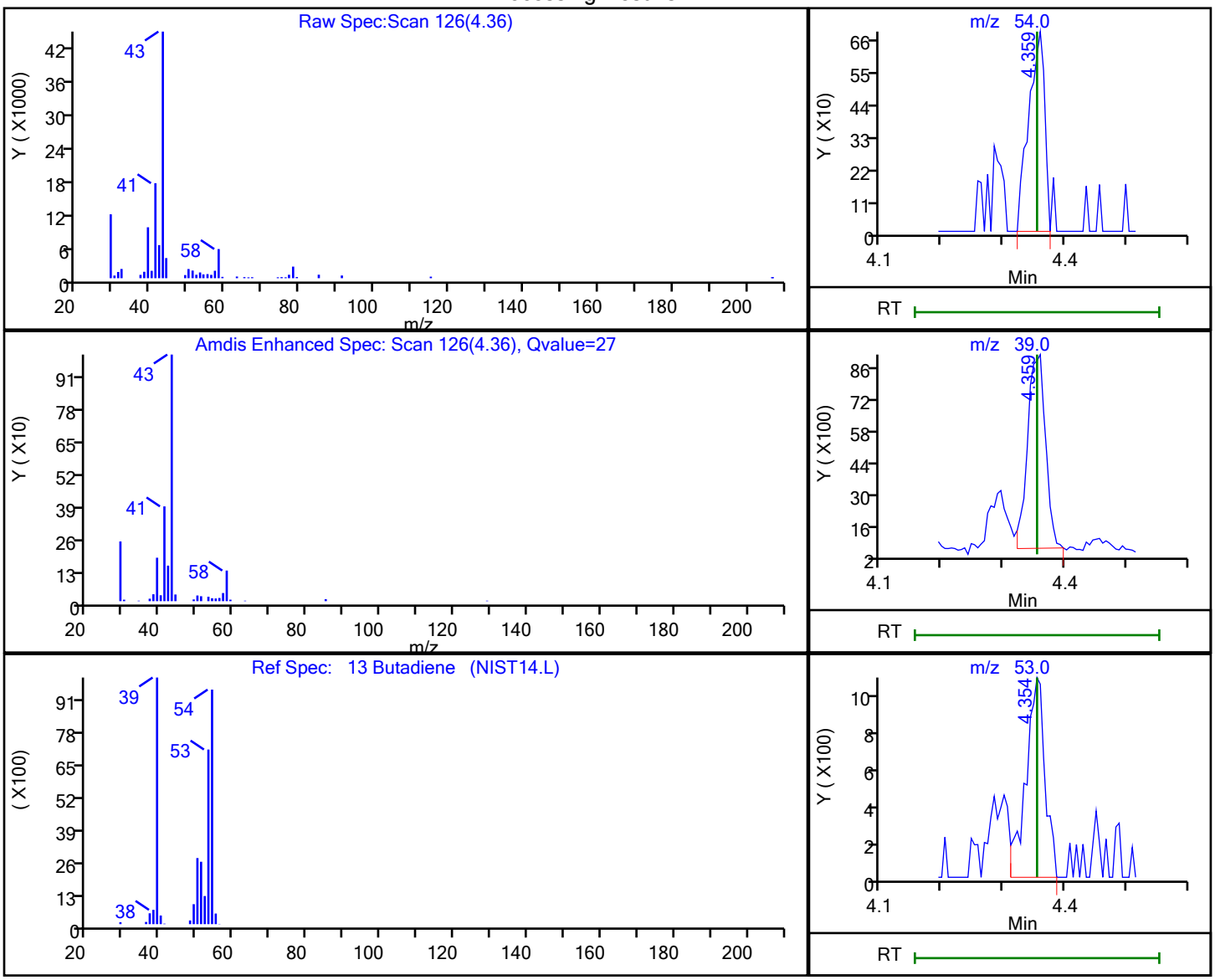
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D				
Injection Date:	10-Feb-2021 06:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4		
Client ID:	GPEC-IA 327				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	19
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		

13 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
4.36	54.00	1243	0.031902
4.36	39.00	17639	
4.35	53.00	2325	

Reviewer: khachitpongpanits, 11-Feb-2021 09:29:05

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

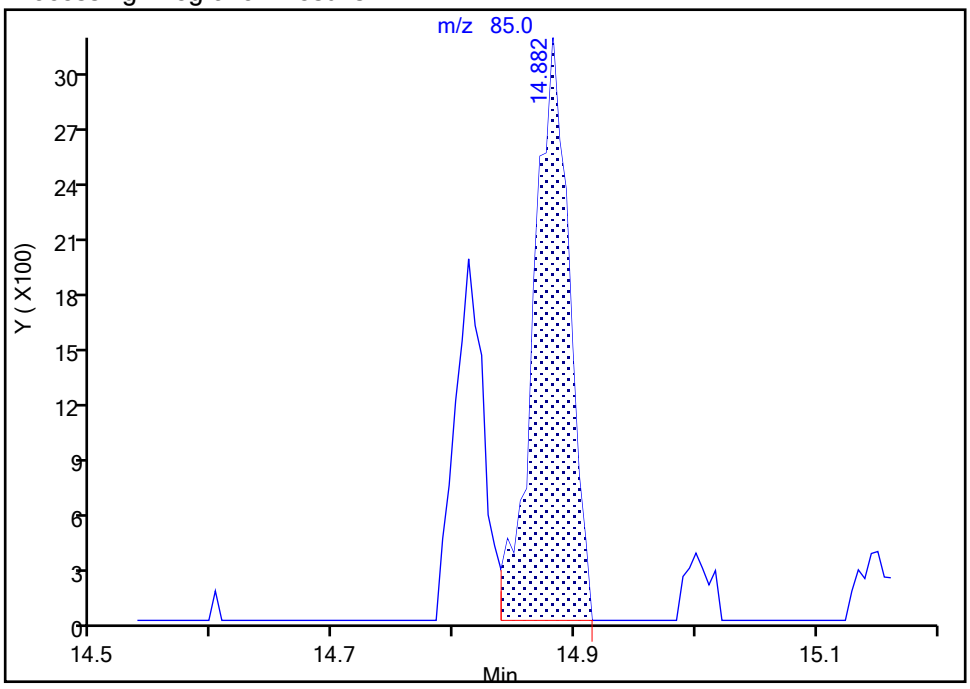
Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D				
Injection Date:	10-Feb-2021 06:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4		
Client ID:	GPEC-IA 327				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

70 n-Octane, CAS: 111-65-9

Signal: 1

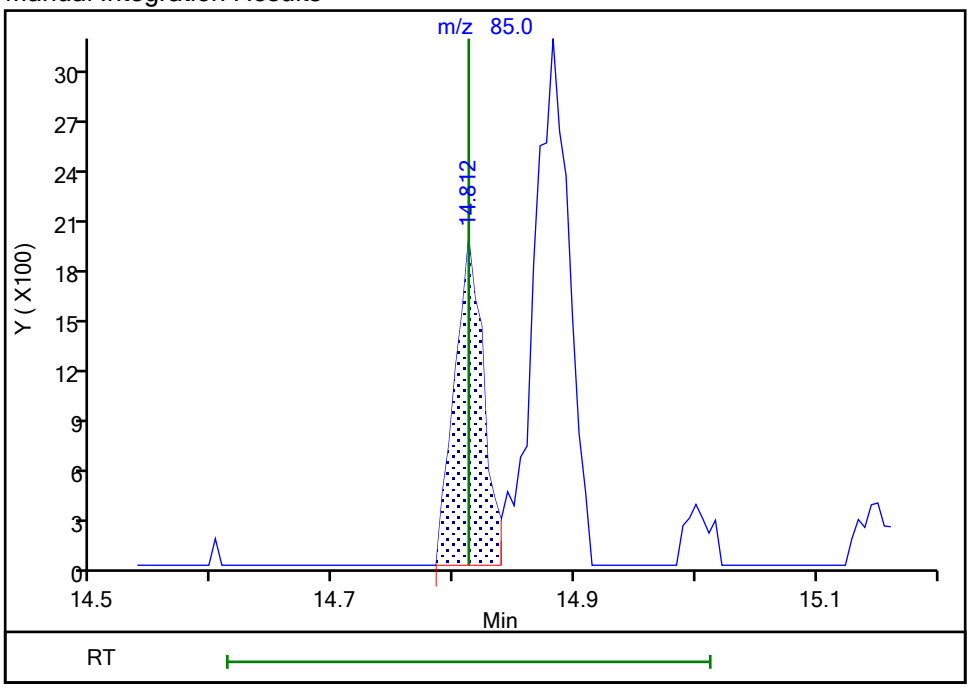
Processing Integration Results

RT: 14.88
Area: 6462
Amount: 0.081865
Amount Units: ppb v/v



Manual Integration Results

RT: 14.81
Area: 3256
Amount: 0.041249
Amount Units: ppb v/v



Reviewer: khachitpongpanits, 11-Feb-2021 09:29:42

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

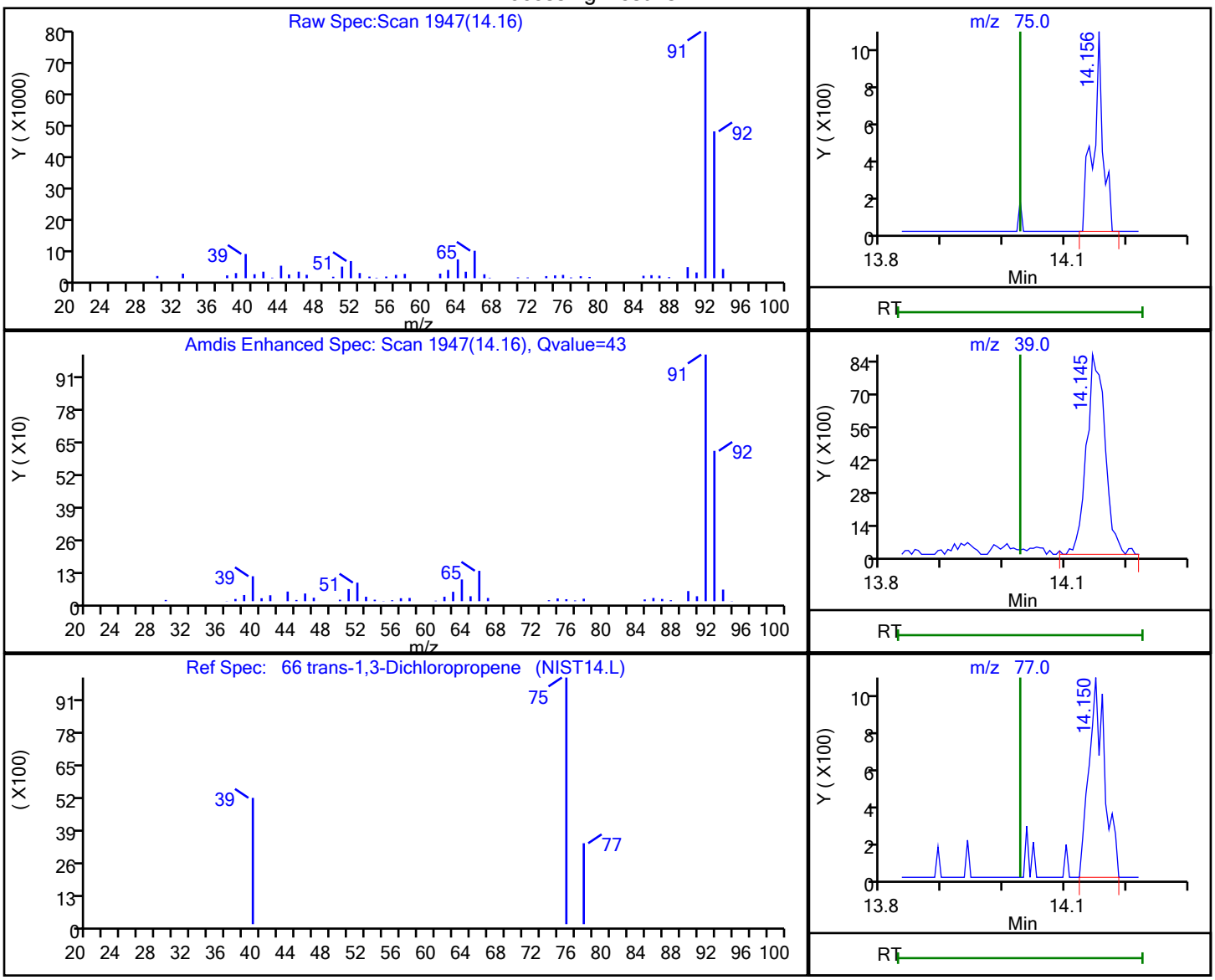
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P114.D				
Injection Date:	10-Feb-2021 06:06:30	Instrument ID:	MS		
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4		
Client ID:	GPEC-IA 327				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	19
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		

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
14.16	75.00	1193	0.011299
14.14	39.00	18318	
14.15	77.00	1864	

Reviewer: khachitpongpanits, 11-Feb-2021 09:29:33

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.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 327 DL Lab Sample ID: 140-21885-4 DL

Matrix: Air Lab File ID: HB11P108.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:16

Sample wt/vol: 25(mL) Date Analyzed: 02/12/2021 02:21

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.: 46842 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
64-17-5	Ethanol	46.07	1100		40	17
67-63-0	Isopropyl alcohol	60.10	65		16	4.4

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.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-IA 327 DL Lab Sample ID: 140-21885-4 DL

Matrix: Air Lab File ID: HB11P108.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:16

Sample wt/vol: 25(mL) Date Analyzed: 02/12/2021 02:21

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.: 46842 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
64-17-5	Ethanol	46.07	2000		75	33
67-63-0	Isopropyl alcohol	60.10	160		39	11

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\MH\20210210-18175.b\HB11P108.D				
Lims ID:	140-21885-A-4				
Client ID:	GPEC-IA 327				
Sample Type:	Client				
Inject. Date:	12-Feb-2021 02:21:30	ALS Bottle#:	8	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018175-019				
Misc. Info.:	140-21885-a-4				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Feb-2021 15:38:13	Calib Date:	09-Feb-2021 06:44:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1655				
First Level Reviewer: khachitpongpanits		Date:	12-Feb-2021 15:40:38		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.426	9.451	-0.025	86	318428	4.80	
* 2 1,4-Difluorobenzene	114	11.663	11.679	-0.016	94	1457348	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.403	16.408	-0.005	87	1223947	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.026	18.025	-0.005	93	900282	4.43	
8 Dichlorodifluoromethane	85	3.926	3.910	0.005	99	5824	0.0241	
13 Butane	43	4.417	4.395	0.010	92	6207	0.0805	
17 Ethanol	31	5.027	5.003	0.010	94	1438351	53.9	
20 Trichlorofluoromethane	101	5.565	5.539	0.011	98	2955	0.0128	
23 Acetone	58	5.704	5.668	0.020	98	43166	1.25	
25 Isopropyl alcohol	45	5.782	5.751	0.016	98	265336	3.26	
29 2-Methyl-2-propanol	59	6.485	6.385	0.083	44	1703	0.0161	
40 Hexane	56	8.619	8.611	-0.016	71	1016	0.0189	
51 Benzene	78	11.131	11.132	-0.016	97	3633	0.0135	

QC Flag Legend

Processing Flags

Reagents:

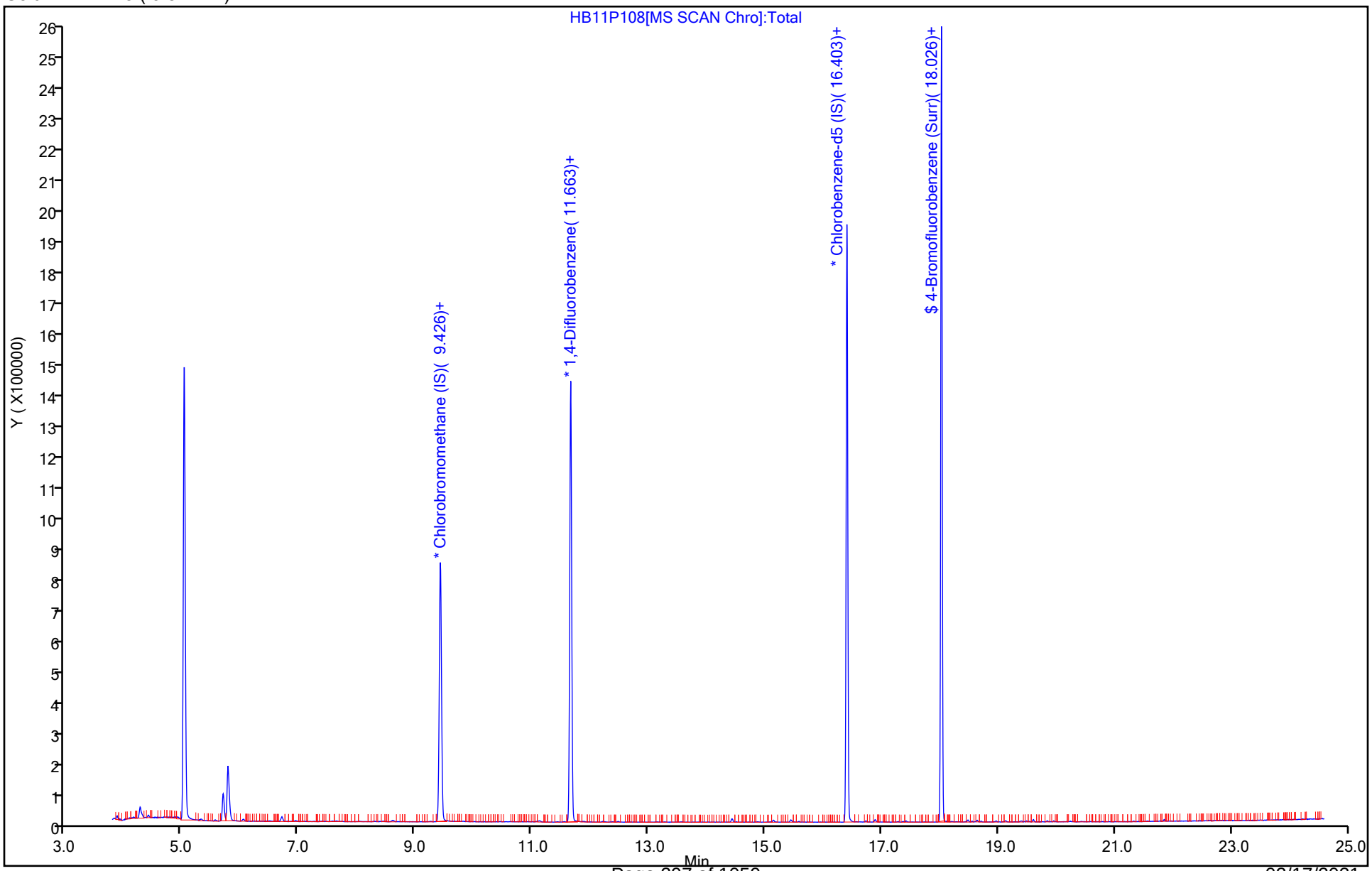
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 12-Feb-2021 15:40:39 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P108.D				
Injection Date:	12-Feb-2021 02:21:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4	Worklist Smp#:	19
Client ID:	GPEC-IA 327				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P108.D				
Lims ID:	140-21885-A-4				
Client ID:	GPEC-IA 327				
Sample Type:	Client				
Inject. Date:	12-Feb-2021 02:21:30	ALS Bottle#:	8	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018175-019				
Misc. Info.:	140-21885-a-4				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Feb-2021 15:38:13	Calib Date:	09-Feb-2021 06:44:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1655				

First Level Reviewer: khachitpongpanits Date: 12-Feb-2021 15:40:38

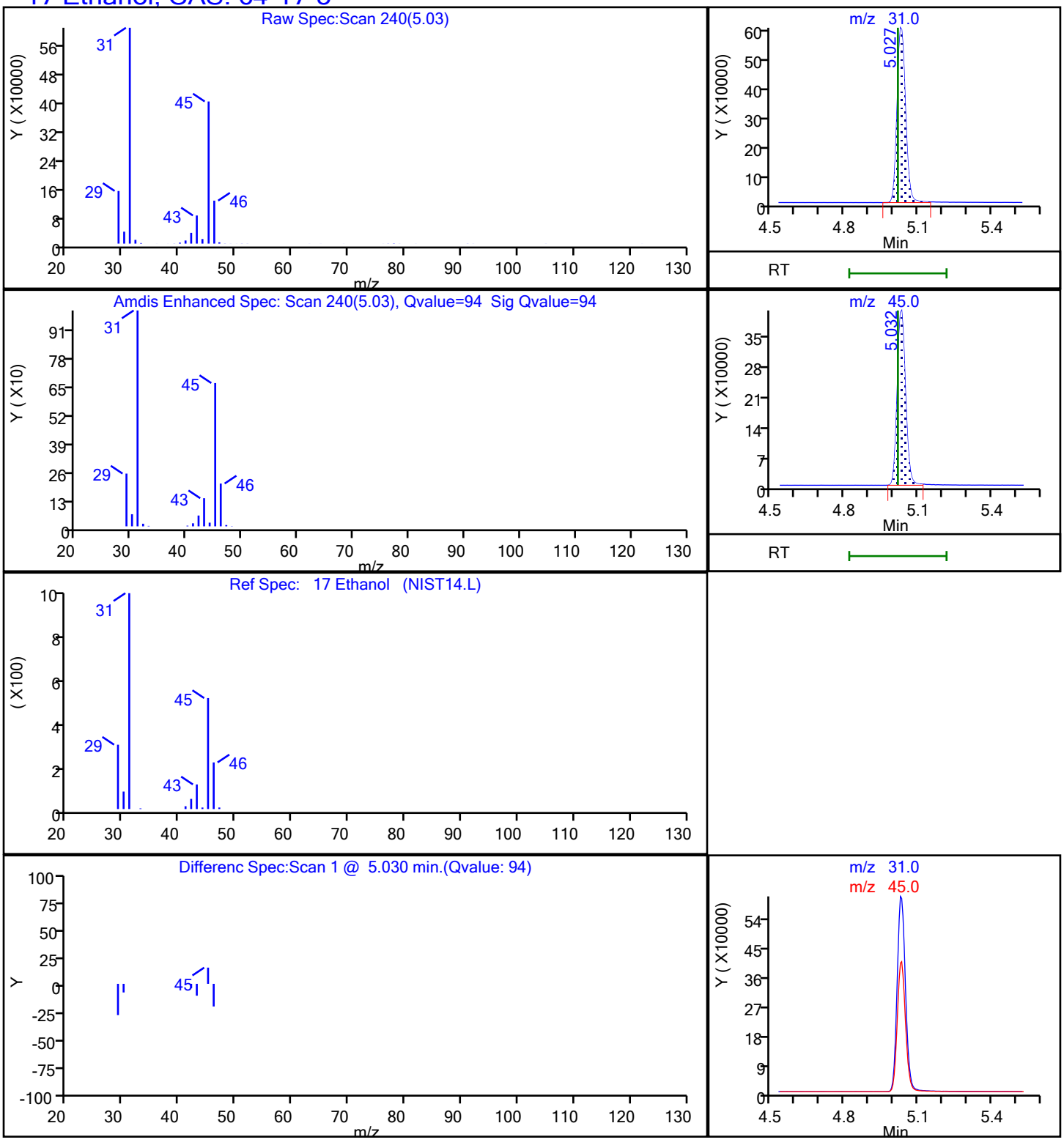
Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.43	95.57

Report Date: 12-Feb-2021 15:40:39 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P108.D		
Injection Date:	12-Feb-2021 02:21:30	Instrument ID:	MH
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	8 Worklist Smp#: 19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

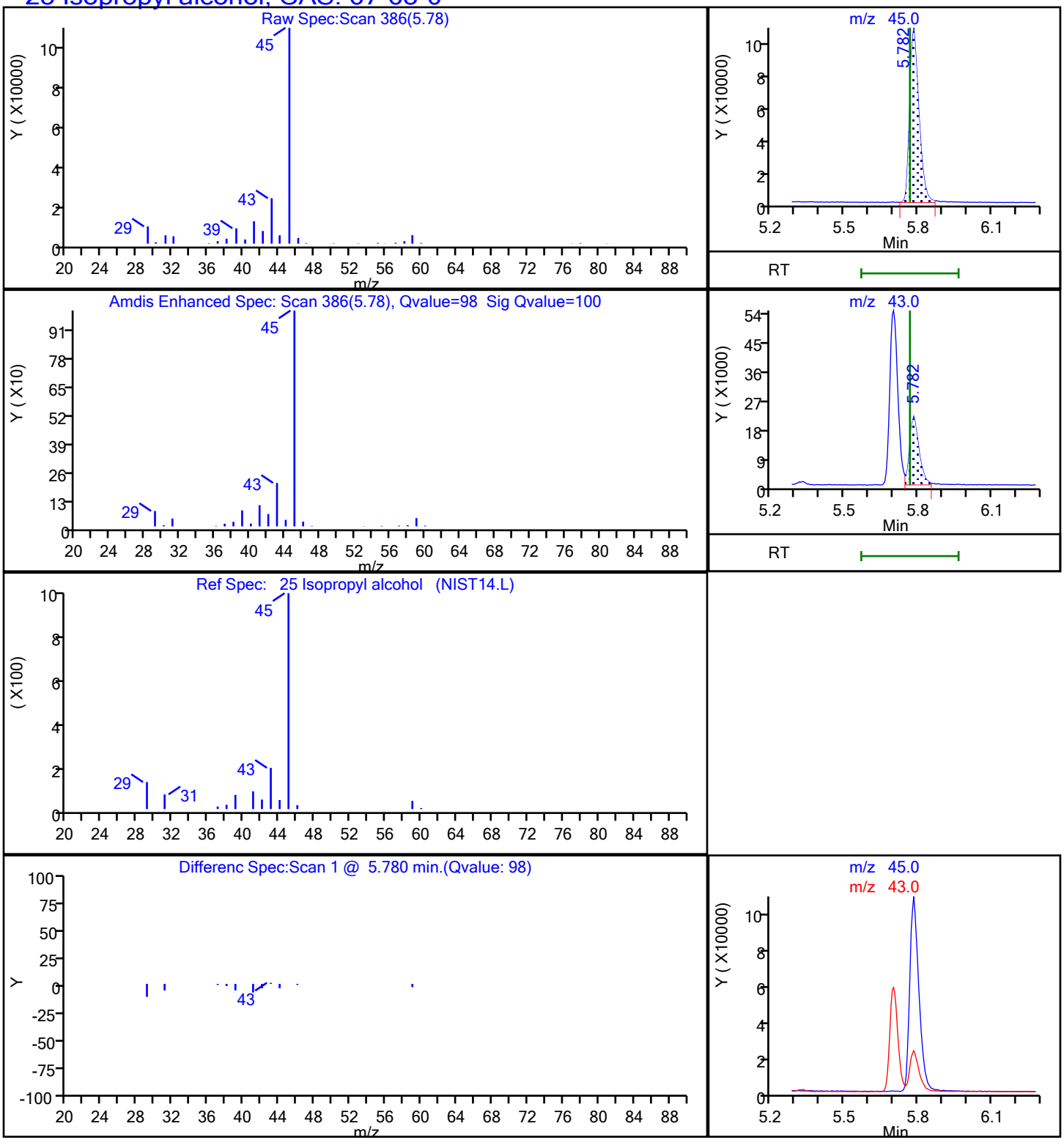
17 Ethanol, CAS: 64-17-5



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P108.D		
Injection Date:	12-Feb-2021 02:21:30	Instrument ID:	MH
Lims ID:	140-21885-A-4	Lab Sample ID:	140-21885-4
Client ID:	GPEC-IA 327		
Operator ID:	HMT	ALS Bottle#:	8 Worklist Smp#: 19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

25 Isopropyl alcohol, CAS: 67-63-0



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-OA GATEHOUSE Lab Sample ID: 140-21885-5

Matrix: Air Lab File ID: SB09P115.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:18

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 07:03

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.080	0.037
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.080	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	0.071	J	0.080	0.0080
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.080	0.0070
75-34-3	1,1-Dichloroethane	98.96	ND		0.080	0.0070
75-35-4	1,1-Dichloroethene	96.94	ND		0.040	0.0080
526-73-8	1,2,3-Trimethylbenzene	120.19	ND		0.080	0.036
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.080	0.064
95-63-6	1,2,4-Trimethylbenzene	120.20	0.041	J	0.080	0.020
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		0.080	0.0070
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		0.080	0.012
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.080	0.031
107-06-2	1,2-Dichloroethane	98.96	0.021	J	0.080	0.010
78-87-5	1,2-Dichloropropane	112.99	ND		0.080	0.010
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.080	0.022
106-99-0	1,3-Butadiene	54.09	ND		0.16	0.019
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.080	0.016
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.080	0.016
123-91-1	1,4-Dioxane	88.11	ND		0.20	0.030
90-12-0	1-Methylnaphthalene	142.20	ND		1.0	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	0.057	J	0.20	0.0080
78-93-3	2-Butanone (MEK)	72.11	0.16	J	0.32	0.073
95-49-8	2-Chlorotoluene	126.59	ND		0.16	0.016
591-78-6	2-Hexanone	100.20	ND		0.20	0.016
91-57-6	2-Methylnaphthalene	142.20	ND		1.0	0.27
107-05-1	3-Chloropropene	76.53	ND		0.080	0.023
622-96-8	4-Ethyltoluene	120.20	ND		0.16	0.021
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.20	0.054
67-64-1	Acetone	58.08	1.9	J	2.0	0.57
71-43-2	Benzene	78.11	0.19	B	0.080	0.0080
100-44-7	Benzyl chloride	126.58	ND		0.16	0.038
75-27-4	Bromodichloromethane	163.83	ND		0.080	0.018
75-25-2	Bromoform	252.75	ND		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-OA GATEHOUSE Lab Sample ID: 140-21885-5

Matrix: Air Lab File ID: SB09P115.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:18

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 07:03

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND		0.080	0.022
106-97-8	Butane	58.12	1.1		0.16	0.083
75-15-0	Carbon disulfide	76.14	0.036	J B	0.20	0.011
56-23-5	Carbon tetrachloride	153.81	0.076		0.032	0.0070
108-90-7	Chlorobenzene	112.56	0.0072	J B	0.080	0.0060
75-00-3	Chloroethane	64.52	ND		0.080	0.029
67-66-3	Chloroform	119.38	0.022	J	0.080	0.0070
74-87-3	Chloromethane	50.49	0.57		0.20	0.066
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.040	0.010
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.080	0.016
110-82-7	Cyclohexane	84.16	0.068	J	0.20	0.023
124-18-5	Decane	142.28	0.058	J	0.40	0.038
124-48-1	Dibromochloromethane	208.28	ND		0.080	0.0070
75-71-8	Dichlorodifluoromethane	120.91	0.29		0.080	0.014
112-40-3	Dodecane	170.33	ND		0.40	0.064
64-17-5	Ethanol	46.07	9.7		2.0	0.87
100-41-4	Ethylbenzene	106.17	0.053	J	0.080	0.013
142-82-5	Heptane	100.21	0.060	J	0.20	0.014
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	0.032
110-54-3	Hexane	86.17	0.13	J	0.20	0.013
67-63-0	Isopropyl alcohol	60.10	1.4		0.80	0.22
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.16	0.052
75-09-2	Methylene Chloride	84.93	ND		0.40	0.39
179601-23-1	m-Xylene & p-Xylene	106.17	0.19		0.080	0.029
91-20-3	Naphthalene	128.17	ND		0.20	0.076
111-84-2	Nonane	128.26	0.035	J	0.20	0.018
111-65-9	Octane	114.23	0.030	J	0.16	0.016
95-47-6	o-Xylene	106.17	0.076	J	0.080	0.015
109-66-0	Pentane	72.15	0.32	J	0.40	0.079
100-42-5	Styrene	104.15	ND	*+	0.080	0.024
75-65-0	tert-Butyl alcohol	74.12	ND		0.32	0.088
127-18-4	Tetrachloroethene	165.83	0.049	J	0.080	0.0070
108-88-3	Toluene	92.14	0.47		0.12	0.078
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.080	0.0070
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-OA GATEHOUSE Lab Sample ID: 140-21885-5

Matrix: Air Lab File ID: SB09P115.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:18

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 07:03

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	ND		0.036	0.0060
75-69-4	Trichlorofluoromethane	137.37	0.24		0.080	0.011
1120-21-4	Undecane	156.31	0.058	J	0.40	0.048
593-60-2	Vinyl bromide	106.96	ND		0.080	0.020
75-01-4	Vinyl chloride	62.50	ND		0.040	0.026

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.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-OA GATEHOUSE Lab Sample ID: 140-21885-5

Matrix: Air Lab File ID: SB09P115.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:18

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 07:03

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.44	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.55	0.096
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	0.54	J	0.61	0.061
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.44	0.038
75-34-3	1,1-Dichloroethane	98.96	ND		0.32	0.028
75-35-4	1,1-Dichloroethene	96.94	ND		0.16	0.032
526-73-8	1,2,3-Trimethylbenzene	120.19	ND		0.39	0.18
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.59	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	0.20	J	0.39	0.098
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		0.61	0.054
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		0.56	0.084
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.48	0.19
107-06-2	1,2-Dichloroethane	98.96	0.086	J	0.32	0.040
78-87-5	1,2-Dichloropropane	112.99	ND		0.37	0.046
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.39	0.11
106-99-0	1,3-Butadiene	54.09	ND		0.35	0.042
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.48	0.096
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.48	0.096
123-91-1	1,4-Dioxane	88.11	ND		0.72	0.11
90-12-0	1-Methylnaphthalene	142.20	ND		5.8	1.5
540-84-1	2,2,4-Trimethylpentane	114.23	0.27	J	0.93	0.037
78-93-3	2-Butanone (MEK)	72.11	0.46	J	0.94	0.22
95-49-8	2-Chlorotoluene	126.59	ND		0.83	0.083
591-78-6	2-Hexanone	100.20	ND		0.82	0.066
91-57-6	2-Methylnaphthalene	142.20	ND		5.8	1.6
107-05-1	3-Chloropropene	76.53	ND		0.25	0.072
622-96-8	4-Ethyltoluene	120.20	ND		0.79	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.82	0.22
67-64-1	Acetone	58.08	4.4	J	4.8	1.4
71-43-2	Benzene	78.11	0.60	B	0.26	0.026
100-44-7	Benzyl chloride	126.58	ND		0.83	0.20
75-27-4	Bromodichloromethane	163.83	ND		0.54	0.12
75-25-2	Bromoform	252.75	ND		0.83	0.093

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-OA GATEHOUSE Lab Sample ID: 140-21885-5

Matrix: Air Lab File ID: SB09P115.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:18

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 07:03

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND		0.31	0.085
106-97-8	Butane	58.12	2.7		0.38	0.20
75-15-0	Carbon disulfide	76.14	0.11	J B	0.62	0.034
56-23-5	Carbon tetrachloride	153.81	0.48		0.20	0.044
108-90-7	Chlorobenzene	112.56	0.033	J B	0.37	0.028
75-00-3	Chloroethane	64.52	ND		0.21	0.077
67-66-3	Chloroform	119.38	0.11	J	0.39	0.034
74-87-3	Chloromethane	50.49	1.2		0.41	0.14
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.16	0.040
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.36	0.073
110-82-7	Cyclohexane	84.16	0.23	J	0.69	0.079
124-18-5	Decane	142.28	0.34	J	2.3	0.22
124-48-1	Dibromochloromethane	208.28	ND		0.68	0.060
75-71-8	Dichlorodifluoromethane	120.91	1.4		0.40	0.069
112-40-3	Dodecane	170.33	ND		2.8	0.45
64-17-5	Ethanol	46.07	18		3.8	1.6
100-41-4	Ethylbenzene	106.17	0.23	J	0.35	0.056
142-82-5	Heptane	100.21	0.24	J	0.82	0.057
87-68-3	Hexachlorobutadiene	260.76	ND		0.85	0.34
110-54-3	Hexane	86.17	0.48	J	0.70	0.046
67-63-0	Isopropyl alcohol	60.10	3.5		2.0	0.54
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.58	0.19
75-09-2	Methylene Chloride	84.93	ND		1.4	1.4
179601-23-1	m-Xylene & p-Xylene	106.17	0.81		0.35	0.13
91-20-3	Naphthalene	128.17	ND		1.0	0.40
111-84-2	Nonane	128.26	0.18	J	1.0	0.094
111-65-9	Octane	114.23	0.14	J	0.75	0.075
95-47-6	o-Xylene	106.17	0.33	J	0.35	0.065
109-66-0	Pentane	72.15	0.93	J	1.2	0.23
100-42-5	Styrene	104.15	ND	*+	0.34	0.10
75-65-0	tert-Butyl alcohol	74.12	ND		0.97	0.27
127-18-4	Tetrachloroethene	165.83	0.33	J	0.54	0.047
108-88-3	Toluene	92.14	1.8		0.45	0.29
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.32	0.028
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.36	0.041

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-OA GATEHOUSE Lab Sample ID: 140-21885-5

Matrix: Air Lab File ID: SB09P115.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:18

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 07:03

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	ND		0.19	0.032
75-69-4	Trichlorofluoromethane	137.37	1.3		0.45	0.062
1120-21-4	Undecane	156.31	0.37	J	2.6	0.31
593-60-2	Vinyl bromide	106.96	ND		0.35	0.087
75-01-4	Vinyl chloride	62.50	ND		0.10	0.066

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
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-OA GATEHOUSE Lab Sample ID: 140-21885-5

Matrix: Air Lab File ID: SB09P115.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:18

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 07:03

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.: 46753 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		
496-11-7	Indane TIC		ND		
95-13-6	Indene TIC		ND		
110-02-1	Thiophene TIC		ND		

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-OA GATEHOUSE Lab Sample ID: 140-21885-5

Matrix: Air Lab File ID: SB09P115.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 15:18

Sample wt/vol: 500(mL) Date Analyzed: 02/10/2021 07:03

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.: 46753 Units: ug/m3

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		
496-11-7	Indane TIC		ND		
95-13-6	Indene TIC		ND		
110-02-1	Thiophene TIC		ND		

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D
Lims ID: 140-21885-A-5
Client ID: GPEC-OA GATEHOUSE
Sample Type: Client
Inject. Date: 10-Feb-2021 07:03:30 ALS Bottle#: 15 Worklist Smp#: 20
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018147-020
Misc. Info.: 140-21885-a-5
Operator ID: HMT Instrument ID: MS

Method: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 11-Feb-2021 09:33:14 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: khachitpongpanits Date: 11-Feb-2021 09:58:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.250	9.255	-0.005	96	275041	4.80	
* 2 1,4-Difluorobenzene	114	11.428	11.434	-0.006	95	1315113	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.098	16.098	0.000	88	1095694	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.738	17.744	-0.006	87	805999	4.51	
8 Dichlorodifluoromethane	85	3.875	3.875	0.000	100	61800	0.2850	
9 Chloromethane	52	4.069	4.074	-0.005	99	8531	0.5692	
14 Butane	43	4.354	4.354	0.000	92	77754	1.14	
17 Ethanol	31	4.951	4.951	0.000	96	180149	9.66	
20 Trichlorofluoromethane	101	5.473	5.478	-0.005	98	51813	0.2371	
23 Acetone	58	5.602	5.602	0.000	97	79719	1.87	
24 Isopropyl alcohol	45	5.694	5.683	0.011	95	144021	1.44	
25 Pentane	72	5.710	5.715	-0.005	96	4025	0.3163	
29 2-Methyl-2-propanol	59	6.355	6.318	0.037	37	3286	0.0252	
30 112TCTFE	101	6.414	6.420	-0.006	95	12396	0.0708	
33 Carbon disulfide	76	6.770	6.780	-0.010	86	7594	0.0361	
39 2-Butanone (MEK)	72	8.464	8.448	0.016	99	5978	0.1569	
40 Hexane	56	8.486	8.486	0.000	87	8971	0.1350	
44 Chloroform	83	9.250	9.266	-0.016	32	3945	0.0219	
48 1,2-Dichloroethane	62	10.417	10.417	-0.005	93	2566	0.0213	
50 Cyclohexane	69	10.901	10.901	-0.005	46	2313	0.0682	
51 Benzene	78	10.901	10.901	-0.005	97	44255	0.1864	
52 Carbon tetrachloride	117	10.928	10.923	0.000	94	12109	0.0757	
55 Isooctane	57	11.638	11.638	-0.005	96	21831	0.0571	
56 n-Heptane	71	12.004	12.004	-0.005	92	4321	0.0597	
67 Toluene	91	14.150	14.156	-0.006	93	127990	0.4686	
70 n-Octane	85	14.807	14.812	-0.005	86	2289	0.0295	
73 Tetrachloroethene	129	15.280	15.280	0.000	92	4802	0.0486	
75 Chlorobenzene	112	16.141	16.146	-0.005	1	1571	0.007171	
76 Ethylbenzene	91	16.420	16.426	-0.006	99	18270	0.0534	
77 m-Xylene & p-Xylene	91	16.576	16.582	-0.006	98	47910	0.1854	
78 n-Nonane	57	16.980	16.985	-0.005	90	6055	0.0349	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
81 o-Xylene	91	17.114	17.114	0.000	97	22301	0.0763	
90 n-Decane	57	18.723	18.728	-0.005	92	14424	0.0579	
92 1,2,4-Trimethylbenzene	105	18.890	18.890	0.000	98	13960	0.0411	
104 Undecane	57	20.019	20.019	0.000	90	16382	0.0576	
107 Dodecane	57	21.101	21.101	0.000	94	9948	0.0343	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

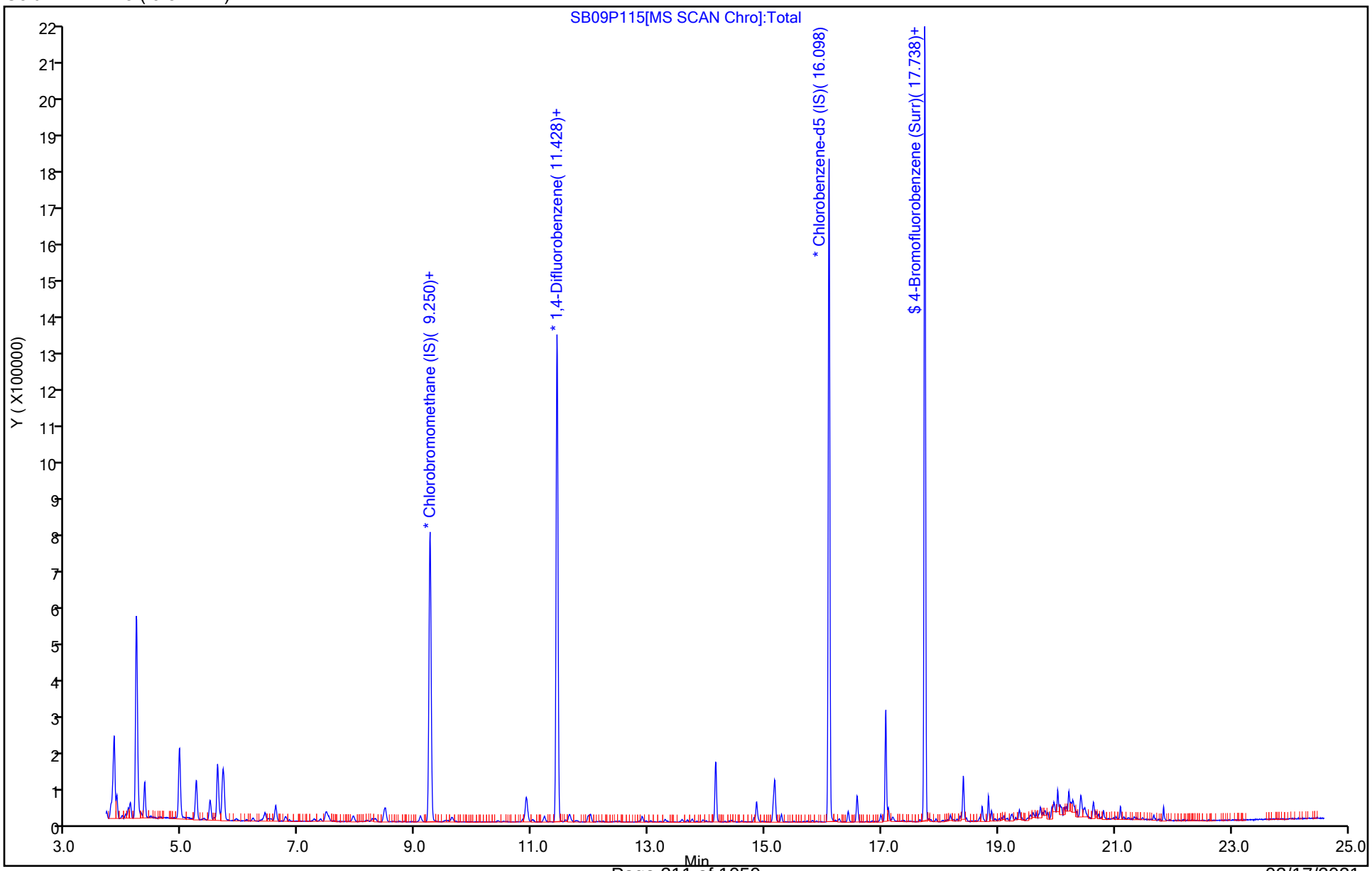
Report Date: 11-Feb-2021 09:58:06 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D

Injection Date:	10-Feb-2021 07:03:30	Instrument ID:	MS	Operator ID:	HMT
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5	Worklist Smp#:	20
Client ID:	GPEC-OA GATEHOUSE				
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)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D				
Lims ID:	140-21885-A-5				
Client ID:	GPEC-OA GATEHOUSE				
Sample Type:	Client				
Inject. Date:	10-Feb-2021 07:03:30	ALS Bottle#:	15	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018147-020				
Misc. Info.:	140-21885-a-5				
Operator ID:	HMT	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Feb-2021 09:33:14	Calib Date:	21-Jan-2021 08:11:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1649				

First Level Reviewer: khachitpongpanits Date: 11-Feb-2021 09:58:06

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.51	97.20

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D

Injection Date: 10-Feb-2021 07:03:30 Instrument ID: MS

Lims ID: 140-21885-A-5 Lab Sample ID: 140-21885-5

Client ID: GPEC-OA GATEHOUSE

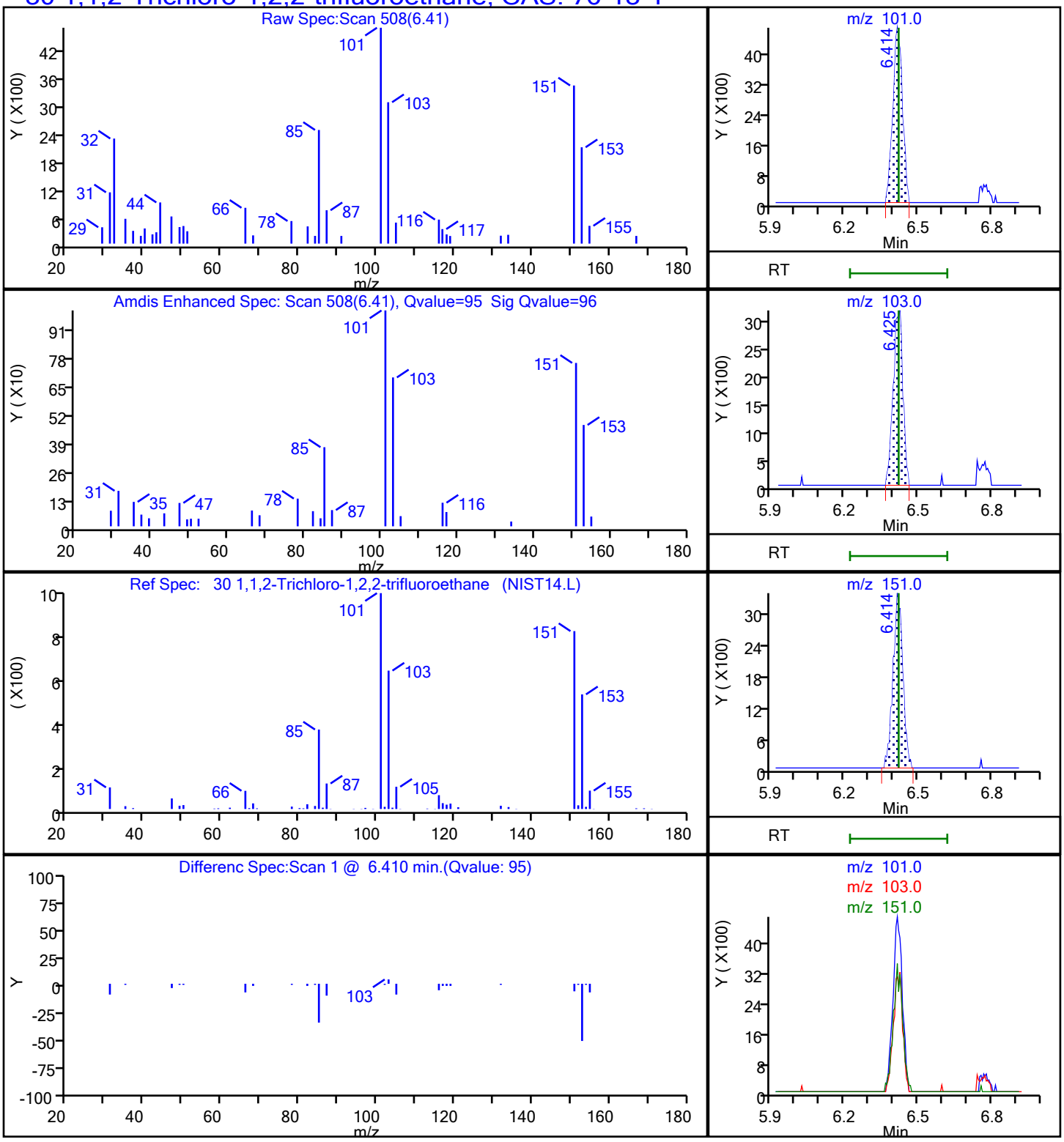
Operator ID: HMT ALS Bottle#: 15 Worklist Smp#: 20

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

30 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

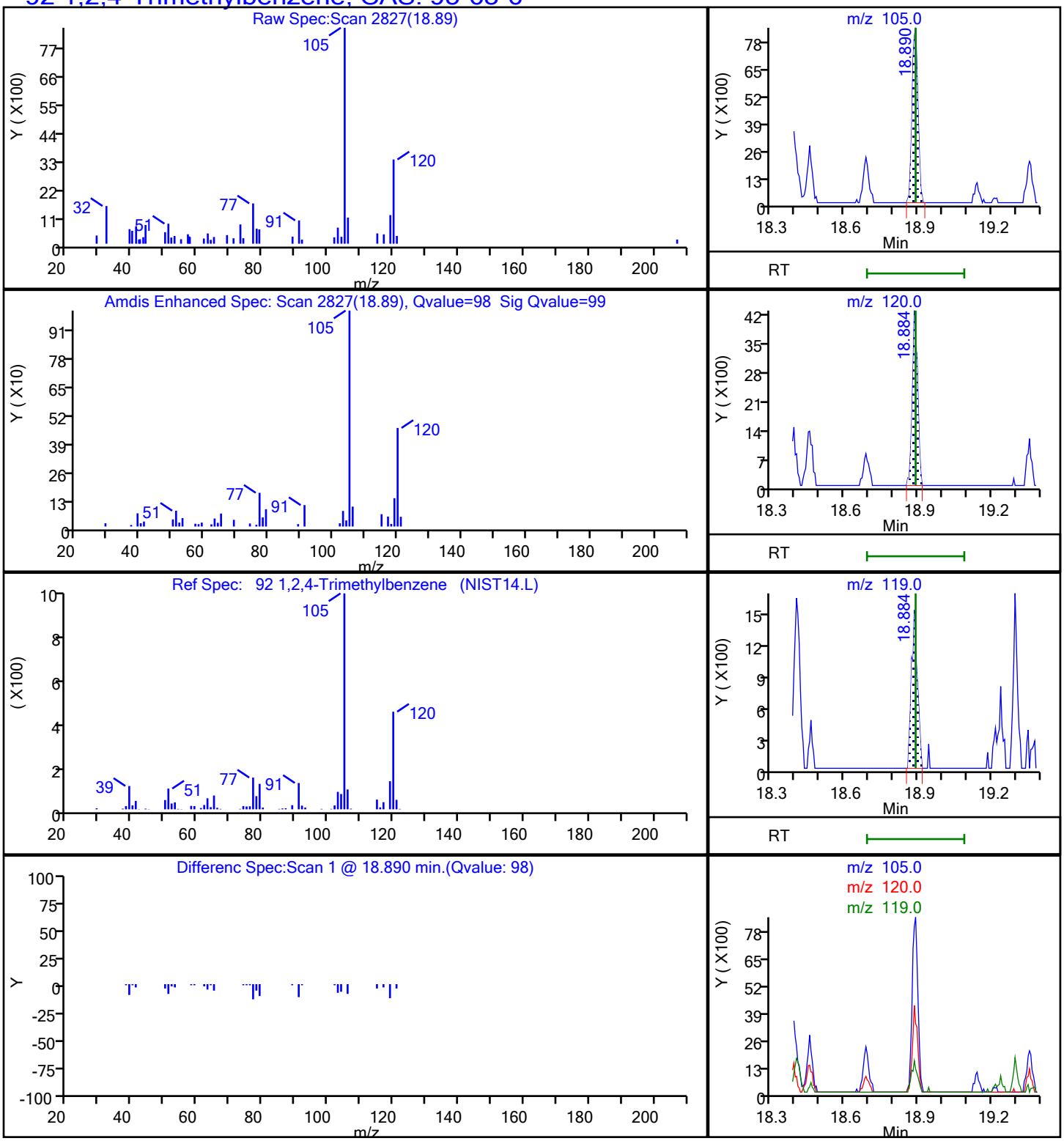


Report Date: 11-Feb-2021 09:58:07 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D				
Injection Date:	10-Feb-2021 07:03:30	Instrument ID:	MS		
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
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		

92 1,2,4-Trimethylbenzene, CAS: 95-63-6



Eurofins TestAmerica, Knoxville

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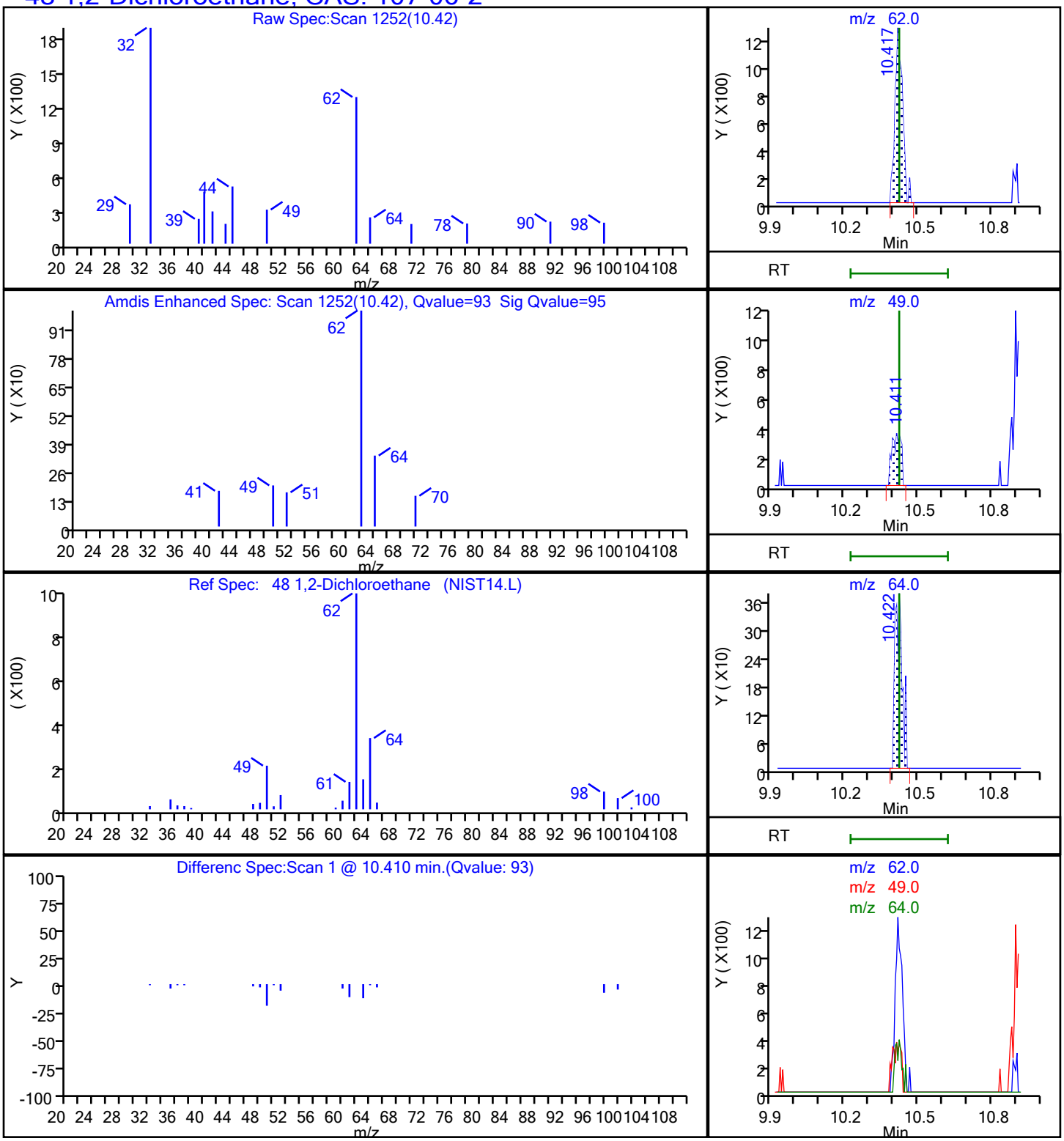
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

48 1,2-Dichloroethane, CAS: 107-06-2



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D

Injection Date: 10-Feb-2021 07:03:30 Instrument ID: MS

Lims ID: 140-21885-A-5 Lab Sample ID: 140-21885-5

Client ID: GPEC-OA GATEHOUSE

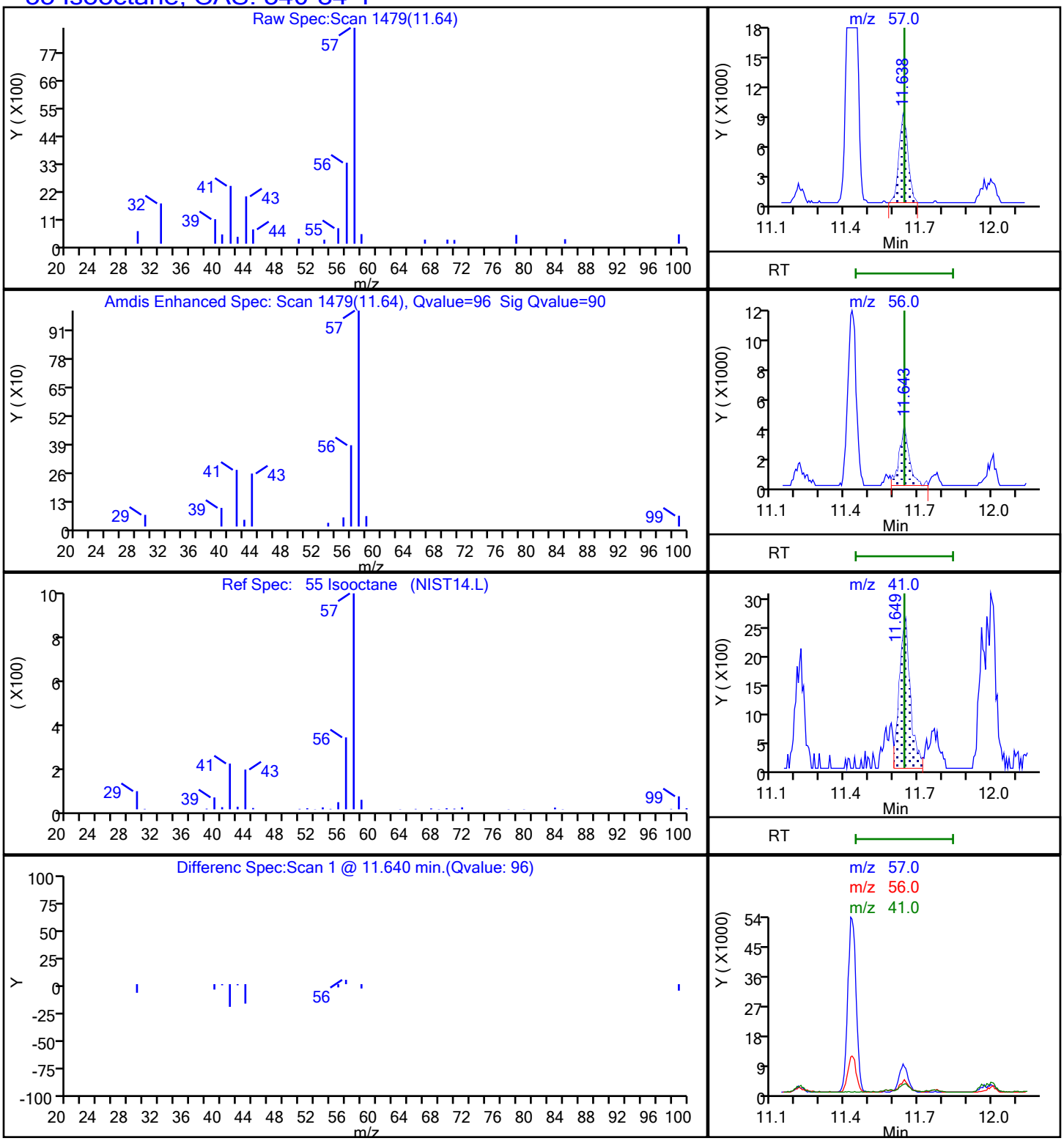
Operator ID: HMT ALS Bottle#: 15 Worklist Smp#: 20

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

55 Isooctane, CAS: 540-84-1



Report Date: 11-Feb-2021 09:58:07 Chrom Revision: 2.3 09-Dec-2020 16:22:14

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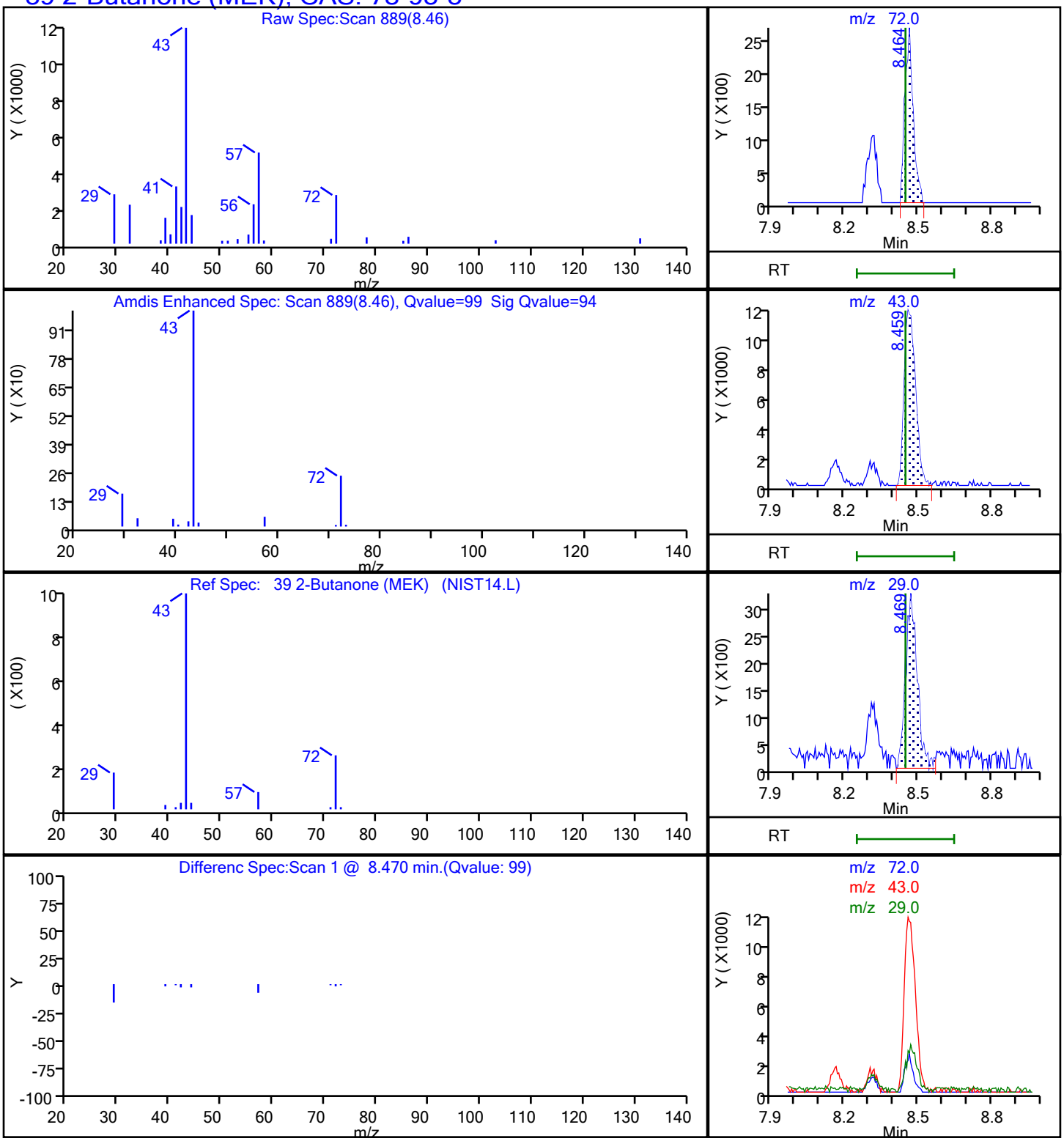
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

39 2-Butanone (MEK), CAS: 78-93-3



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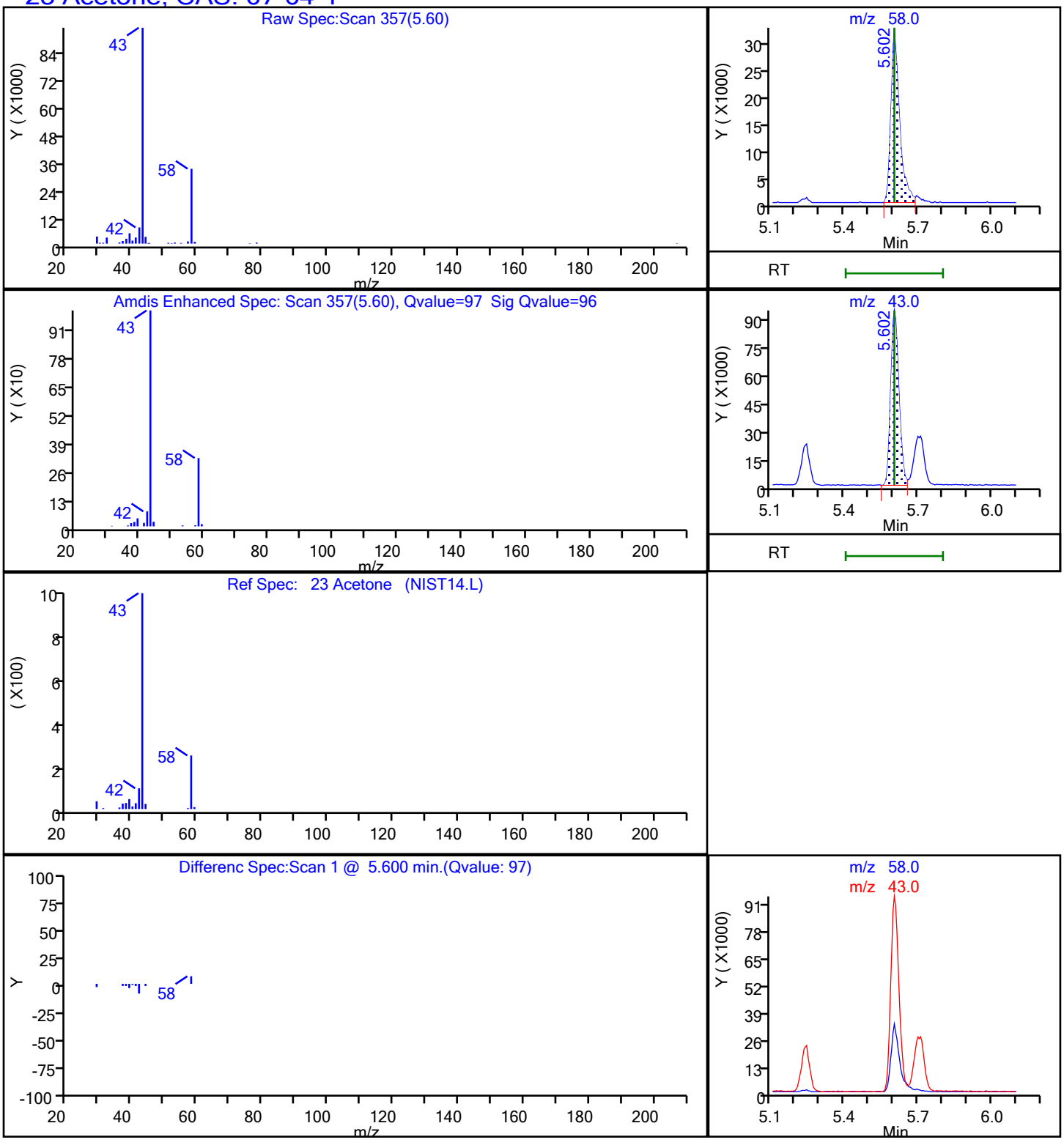
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1



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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D

Injection Date: 10-Feb-2021 07:03:30 Instrument ID: MS

Lims ID: 140-21885-A-5 Lab Sample ID: 140-21885-5

Client ID: GPEC-OA GATEHOUSE

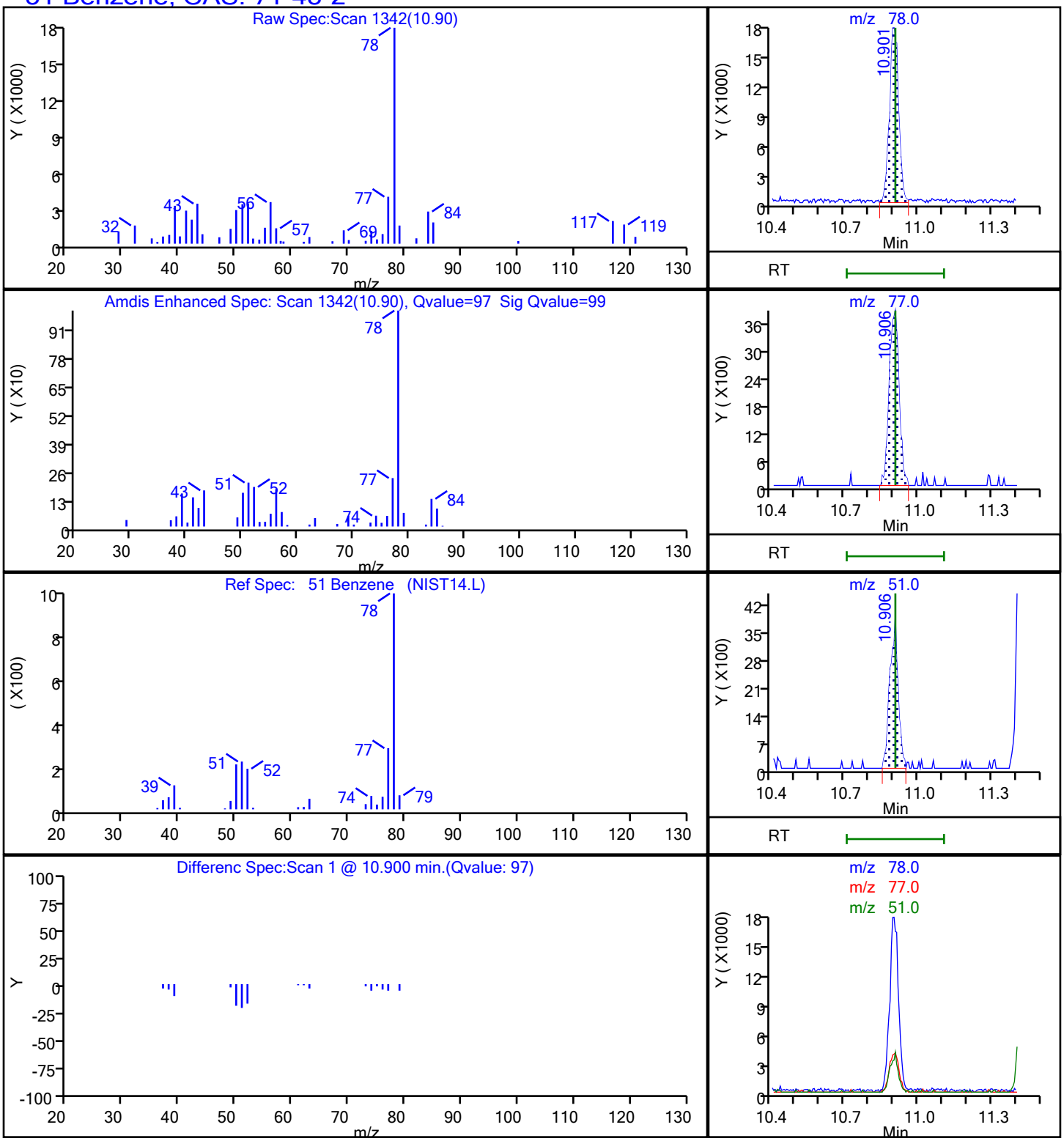
Operator ID: HMT ALS Bottle#: 15 Worklist Smp#: 20

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

51 Benzene, CAS: 71-43-2



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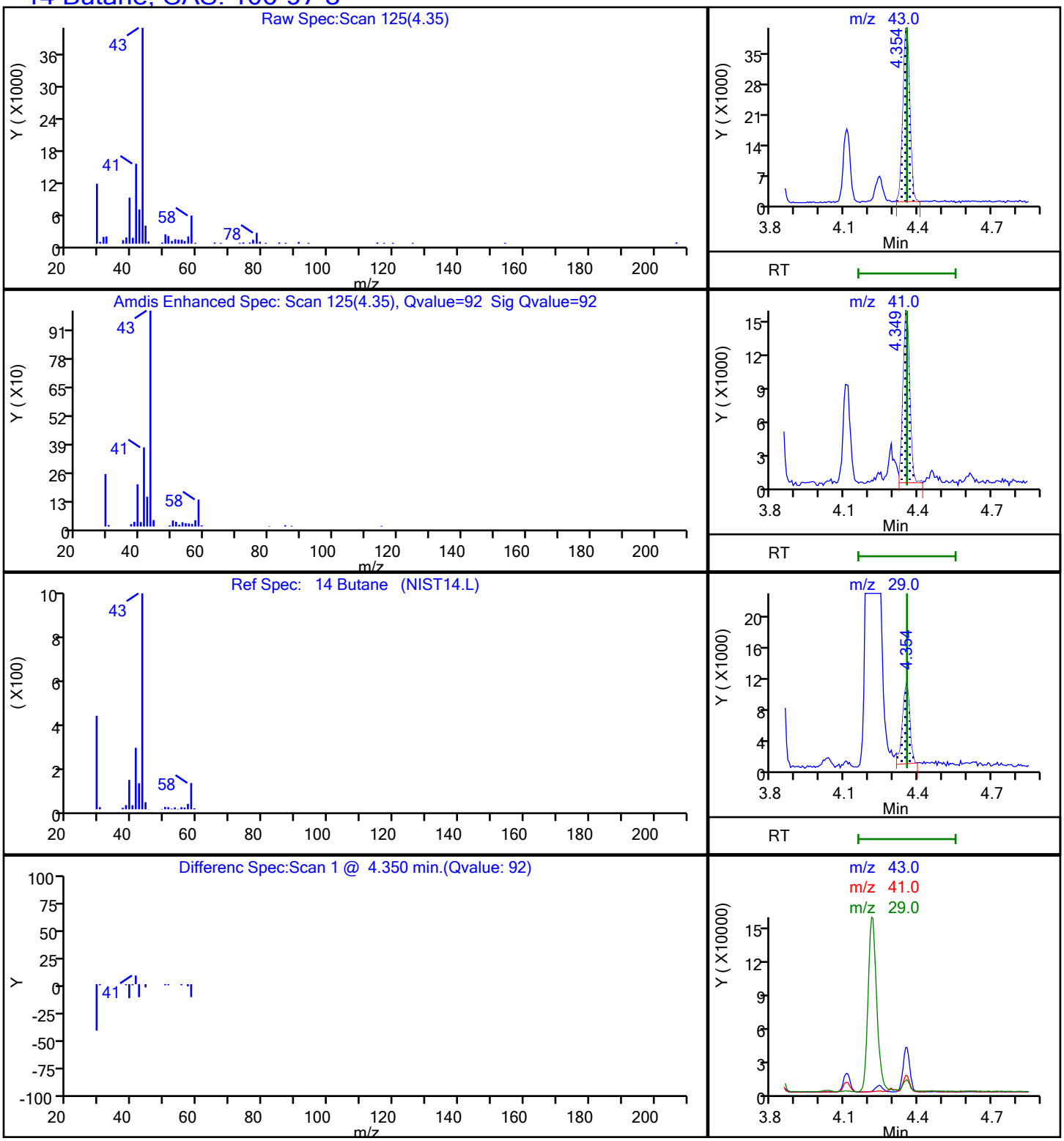
Injection Date:	10-Feb-2021 07:03:30	Instrument ID:	MS
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5
Client ID:	GPEC-OA GATEHOUSE		
Operator ID:	HMT	ALS Bottle#:	15 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

14 Butane, CAS: 106-97-8



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Eurofins TestAmerica, Knoxville

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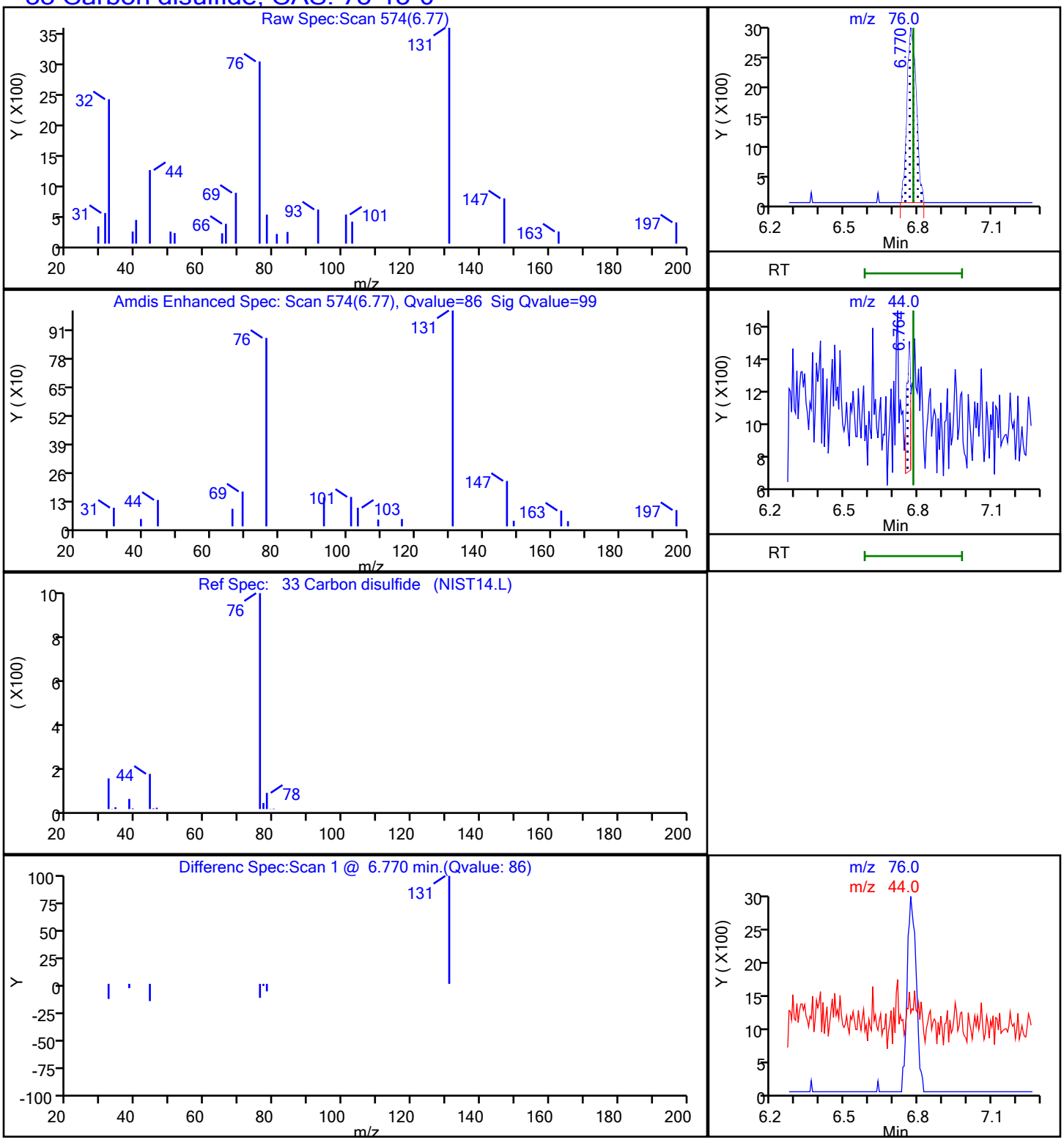
Injection Date:	10-Feb-2021 07:03:30	Instrument ID:	MS		
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

33 Carbon disulfide, CAS: 75-15-0



Eurofins TestAmerica, Knoxville

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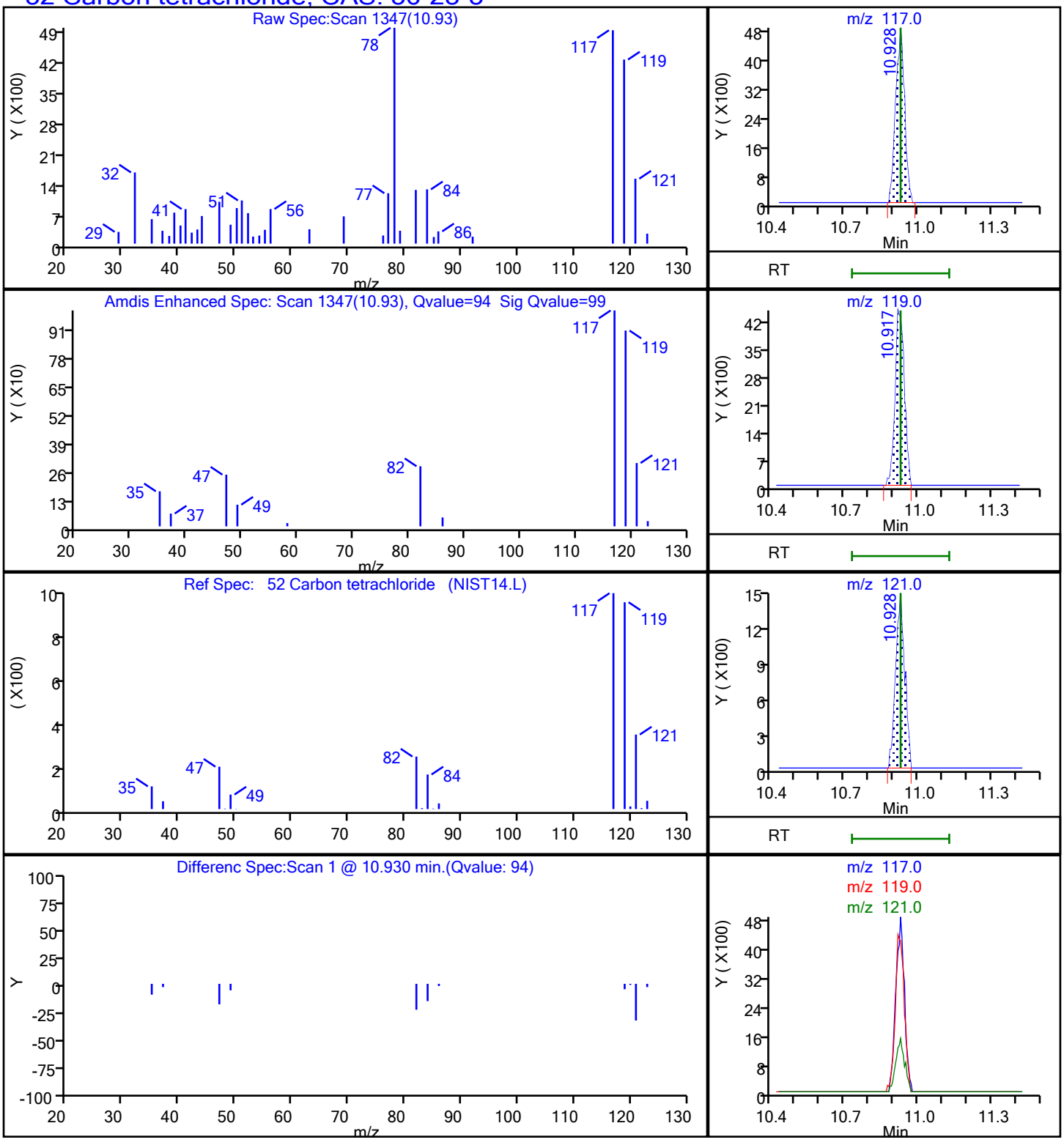
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5
Client ID:	GPEC-OA GATEHOUSE		
Operator ID:	HMT	ALS Bottle#:	15 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

52 Carbon tetrachloride, CAS: 56-23-5



Eurofins TestAmerica, Knoxville

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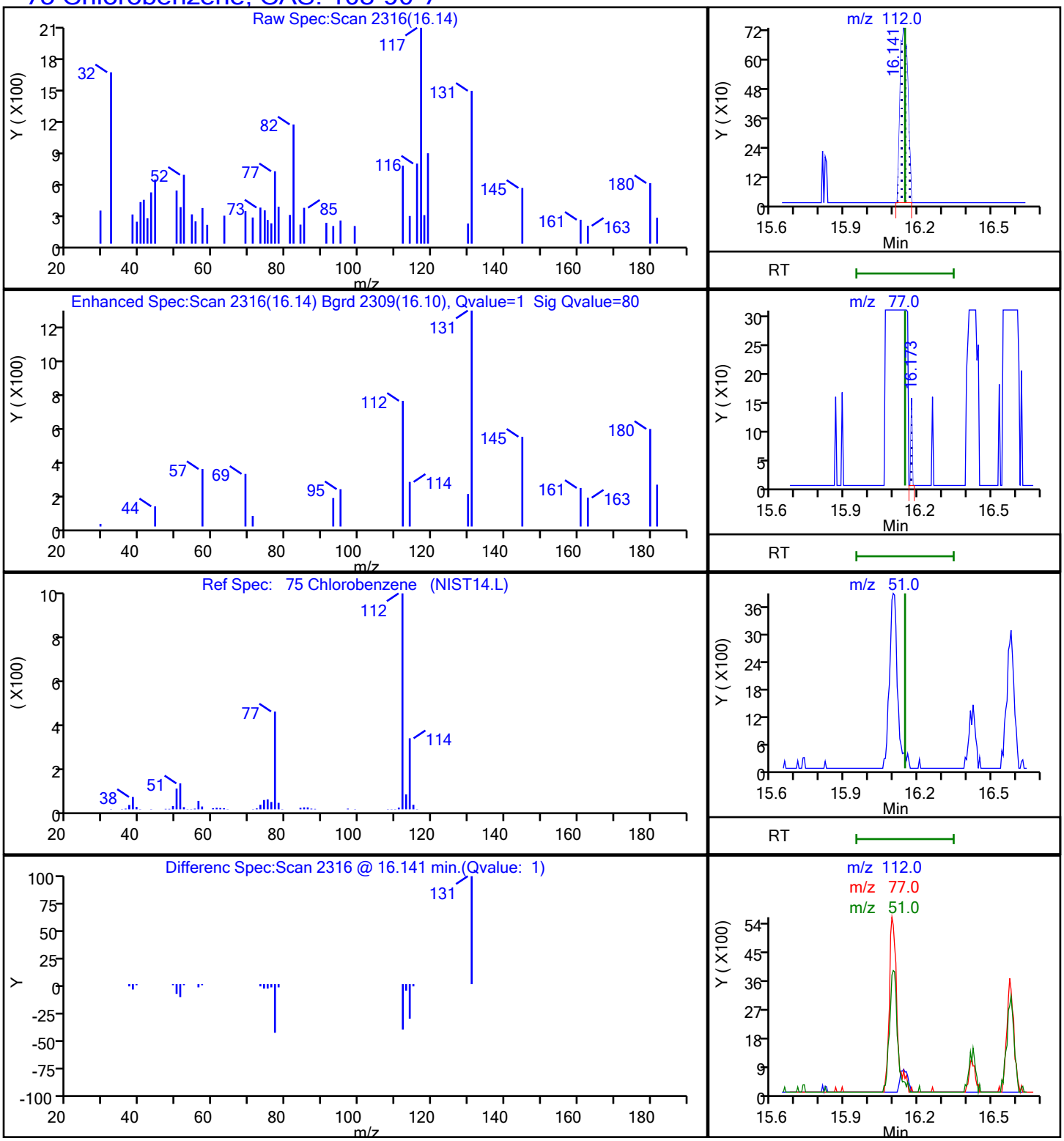
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5
Client ID:	GPEC-OA GATEHOUSE		
Operator ID:	HMT	ALS Bottle#:	15 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

75 Chlorobenzene, CAS: 108-90-7



Report Date: 11-Feb-2021 09:58:07 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D				
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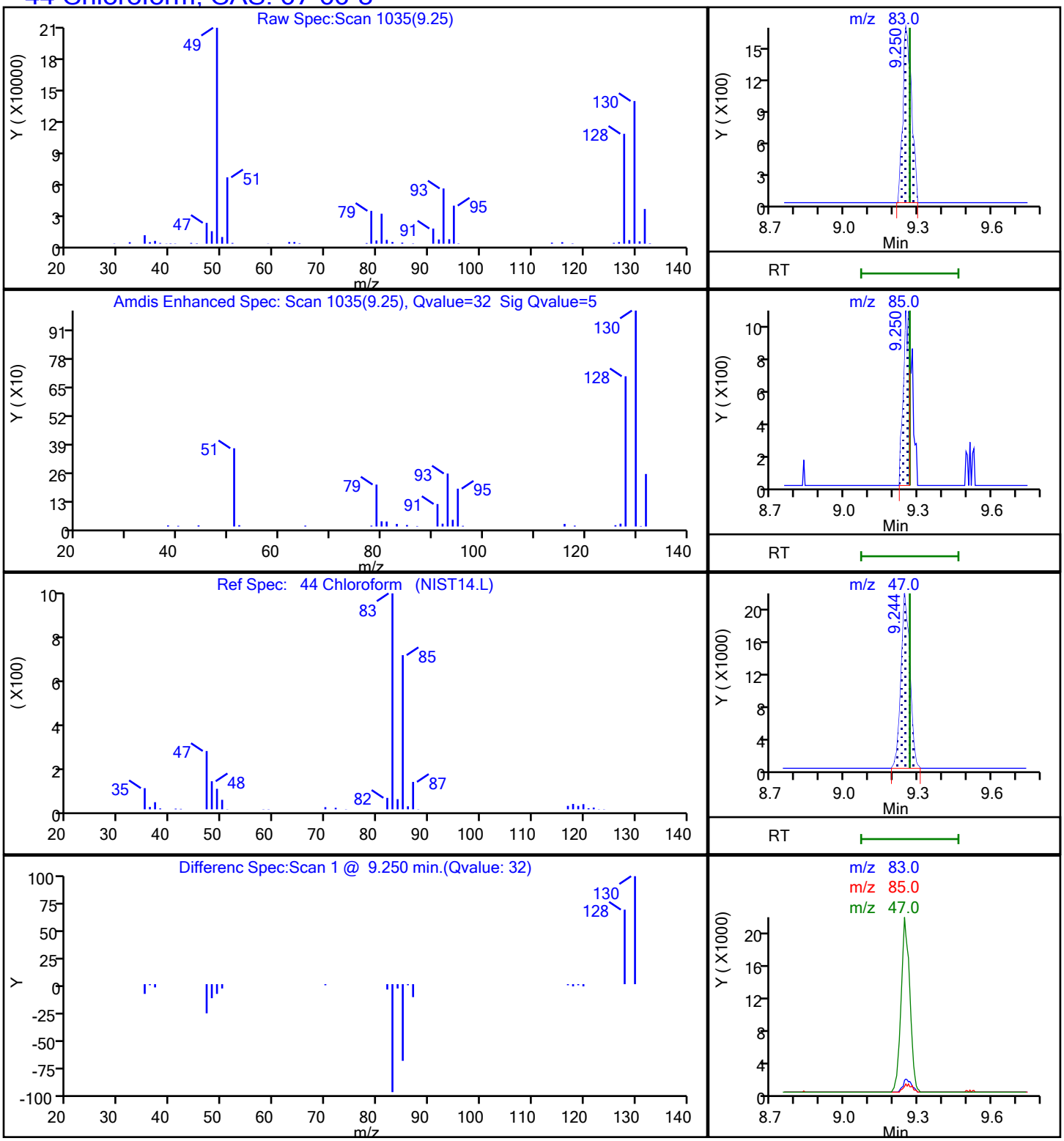
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

44 Chloroform, CAS: 67-66-3



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Eurofins TestAmerica, Knoxville

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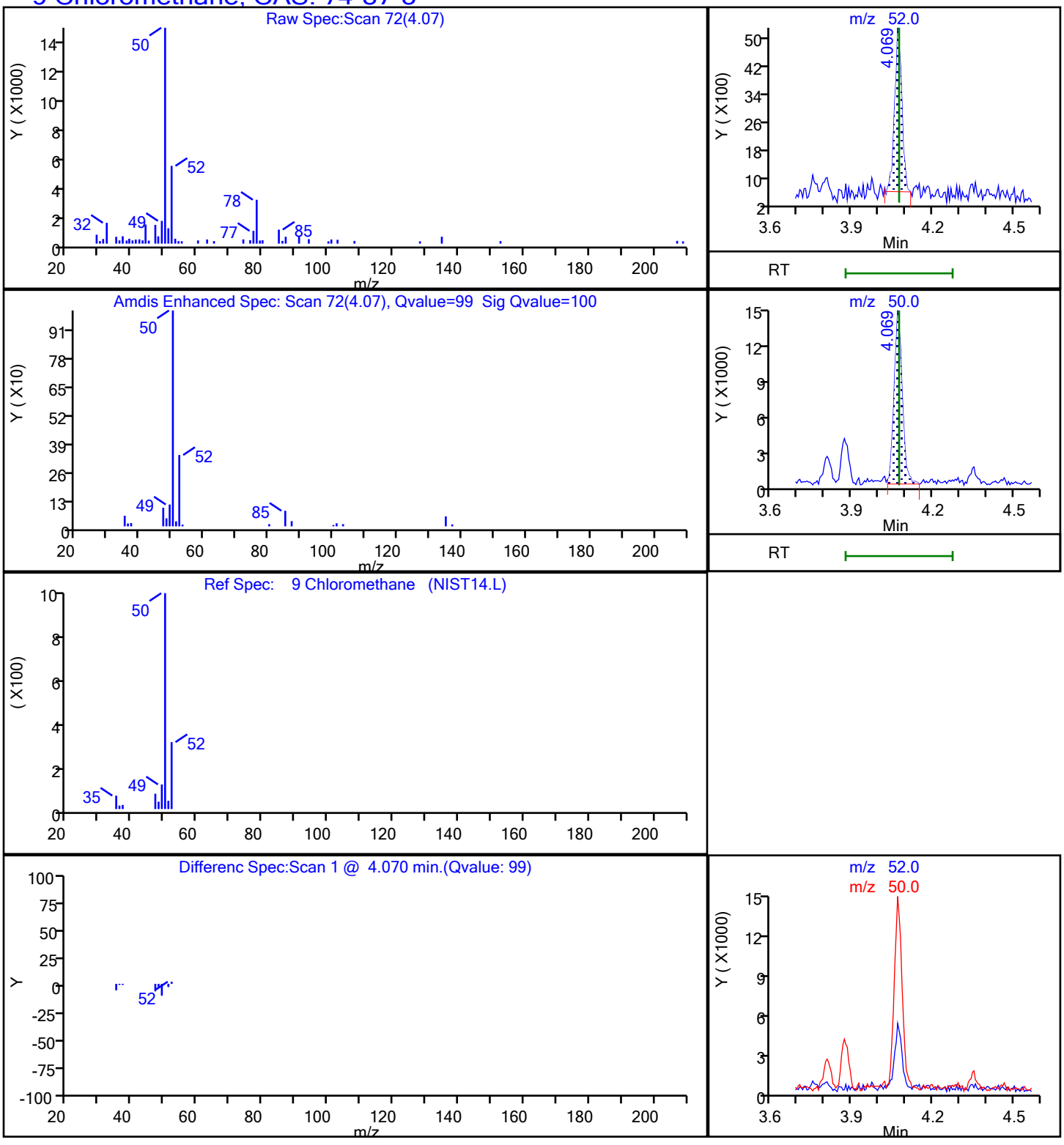
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5
Client ID:	GPEC-OA GATEHOUSE		
Operator ID:	HMT	ALS Bottle#:	15 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

9 Chloromethane, CAS: 74-87-3



Report Date: 11-Feb-2021 09:58:07 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D

Injection Date: 10-Feb-2021 07:03:30 Instrument ID: MS

Lims ID: 140-21885-A-5 Lab Sample ID: 140-21885-5

Client ID: GPEC-OA GATEHOUSE

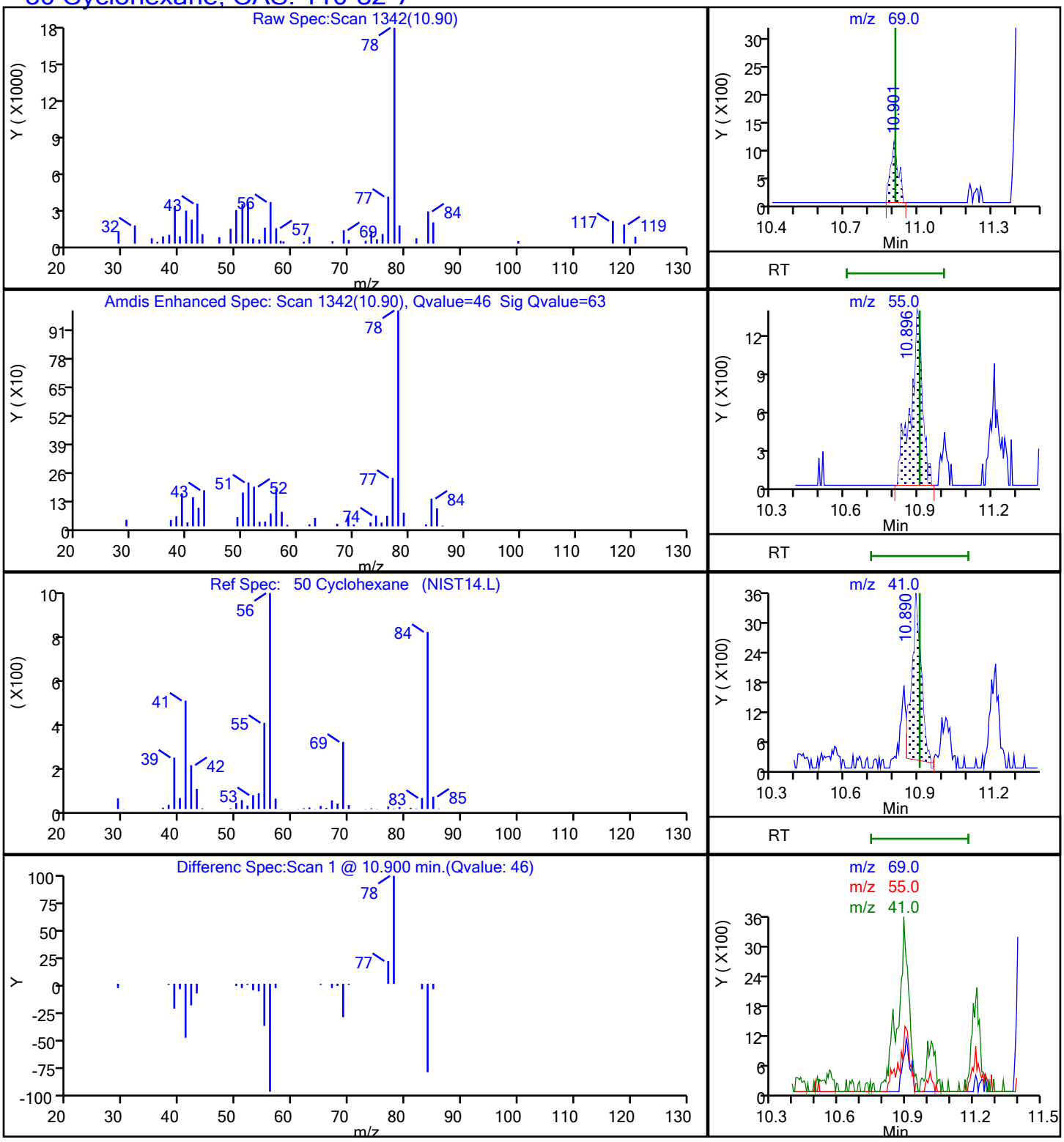
Operator ID: HMT ALS Bottle#: 15 Worklist Smp#: 20

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

50 Cyclohexane, CAS: 110-82-7



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Eurofins TestAmerica, Knoxville

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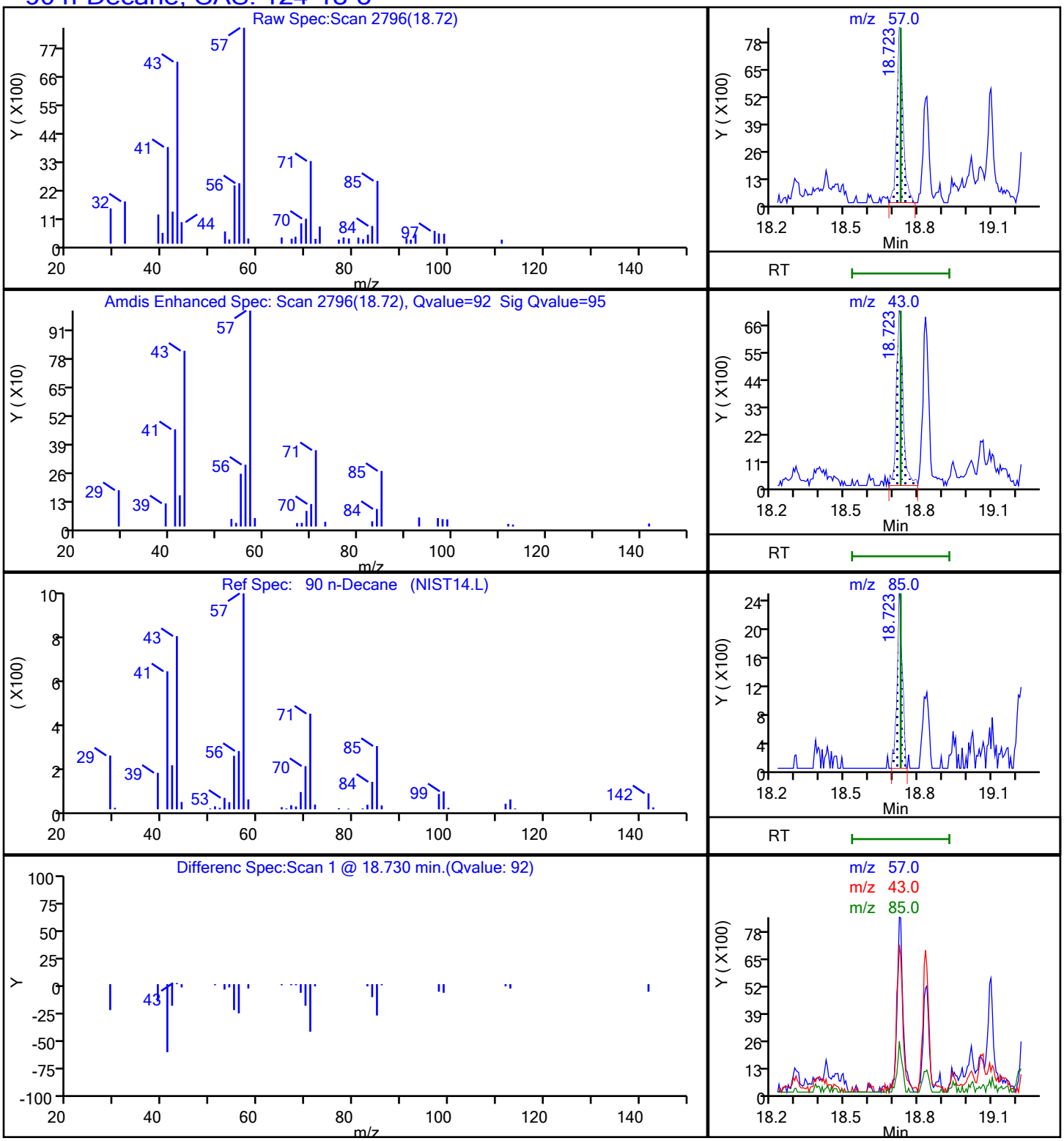
Injection Date:	10-Feb-2021 07:03:30	Instrument ID:	MS		
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

90 n-Decane, CAS: 124-18-5



Eurofins TestAmerica, Knoxville

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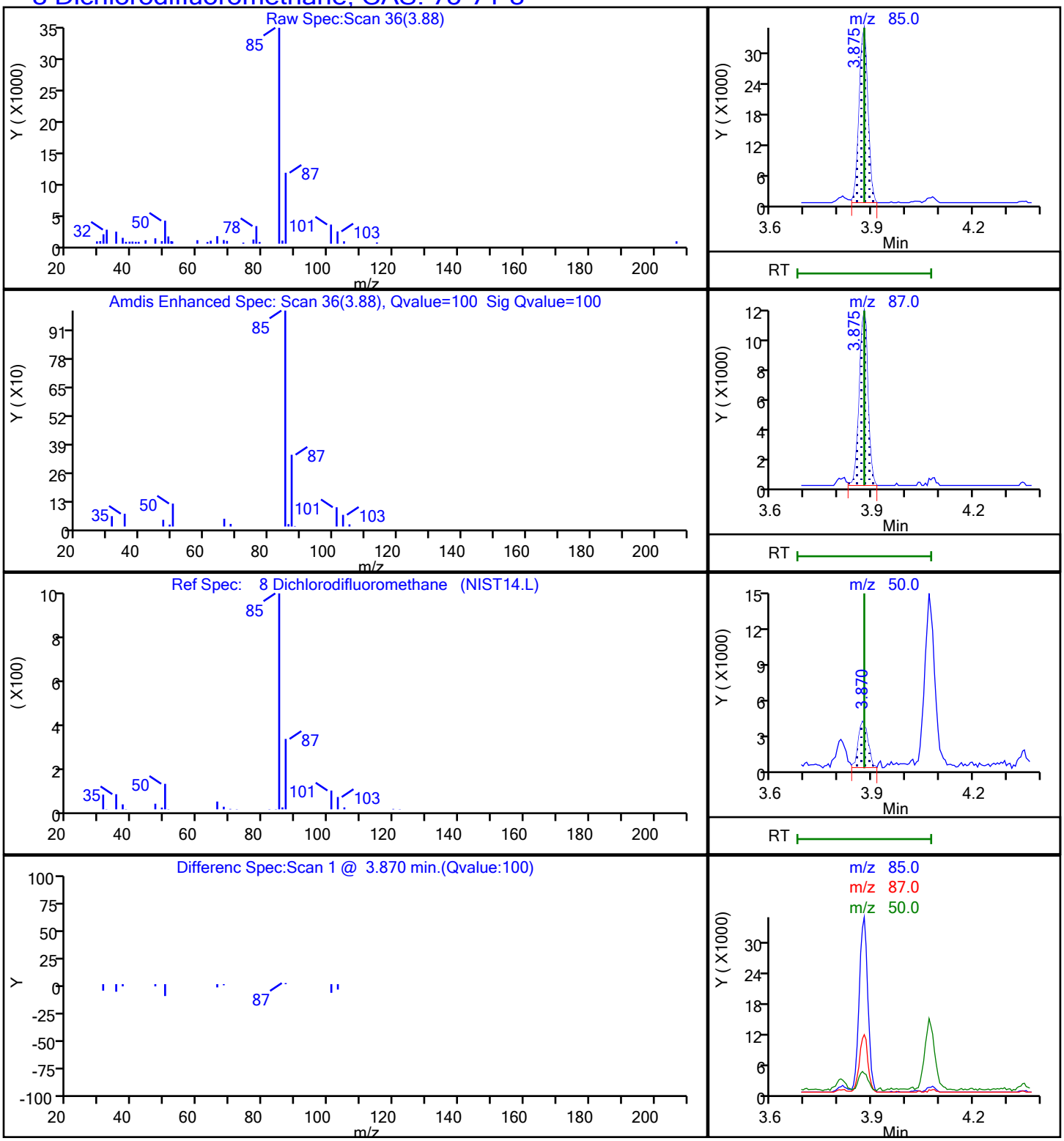
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

8 Dichlorodifluoromethane, CAS: 75-71-8



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Eurofins TestAmerica, Knoxville

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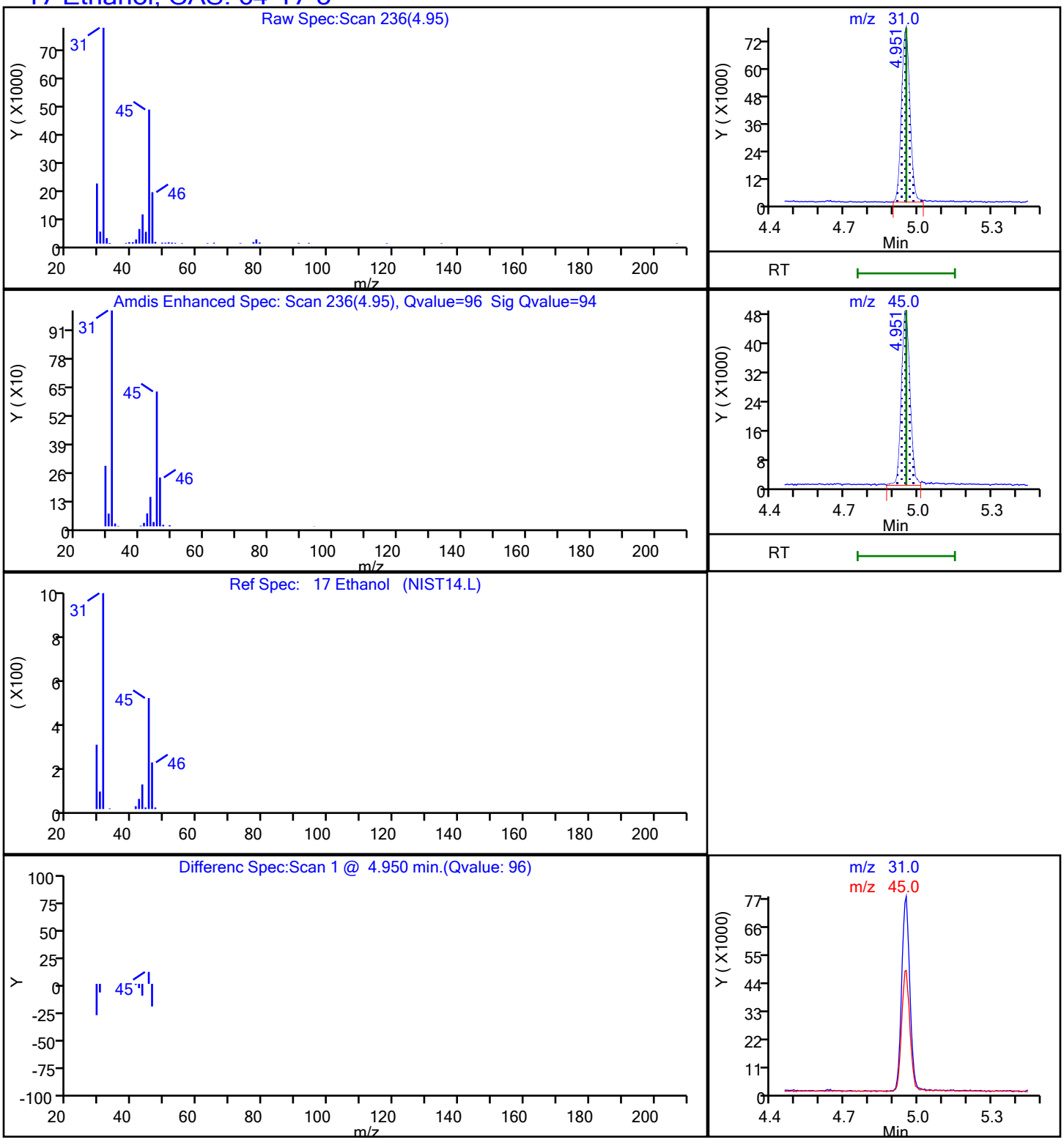
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

17 Ethanol, CAS: 64-17-5



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Eurofins TestAmerica, Knoxville

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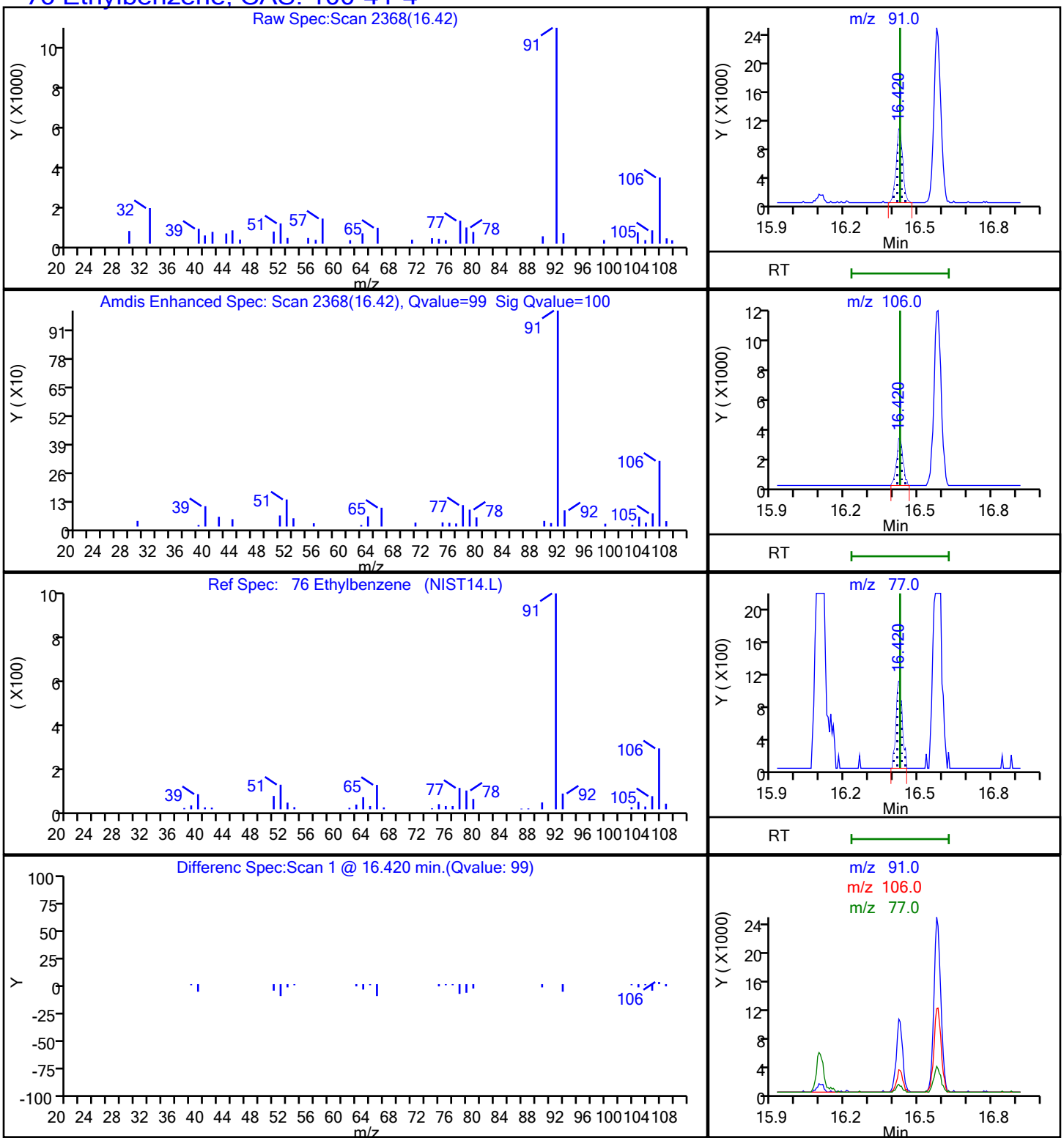
Injection Date:	10-Feb-2021 07:03:30	Instrument ID:	MS		
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

76 Ethylbenzene, CAS: 100-41-4



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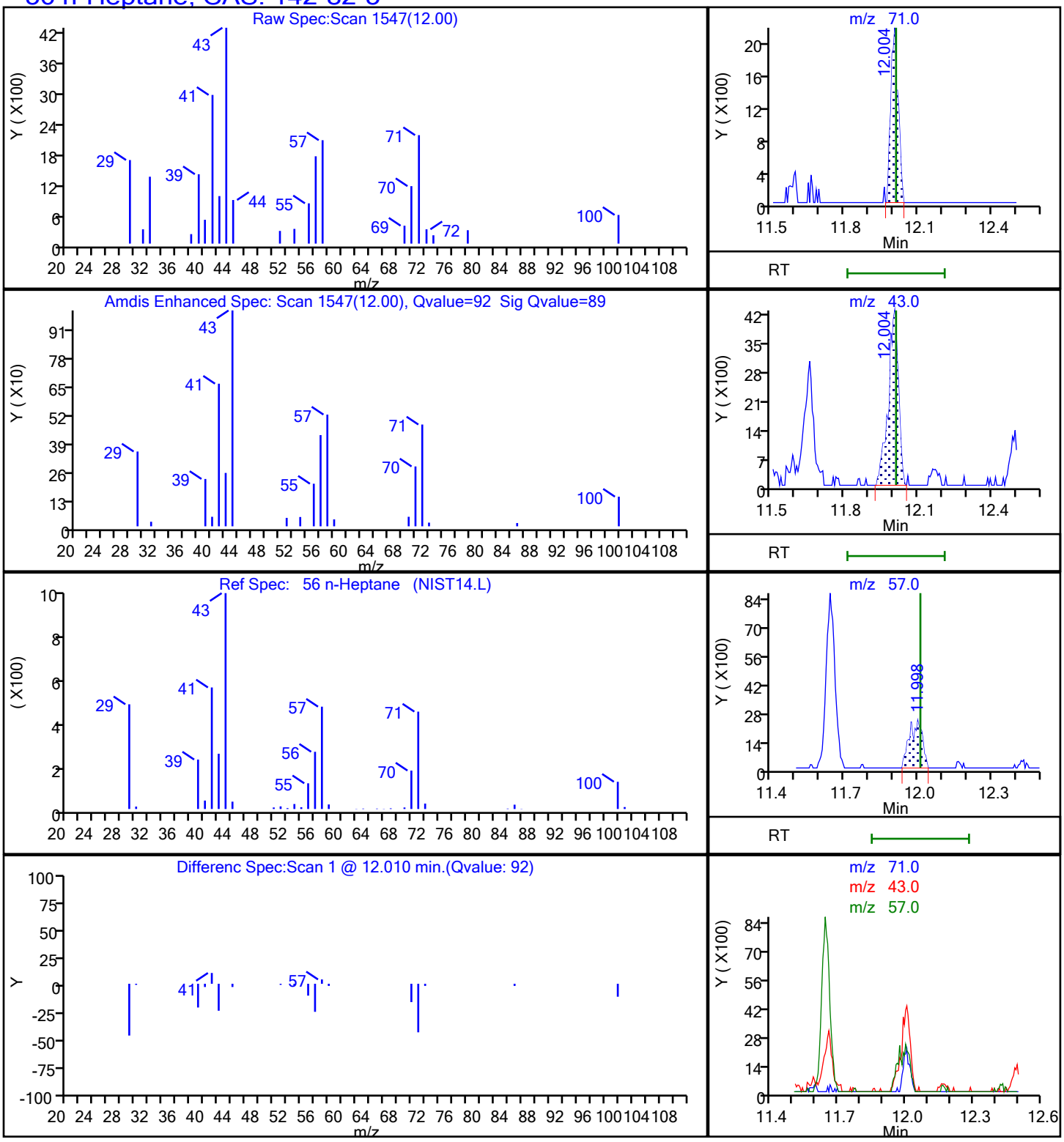
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

56 n-Heptane, CAS: 142-82-5



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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D

Injection Date: 10-Feb-2021 07:03:30 Instrument ID: MS

Lims ID: 140-21885-A-5 Lab Sample ID: 140-21885-5

Client ID: GPEC-OA GATEHOUSE

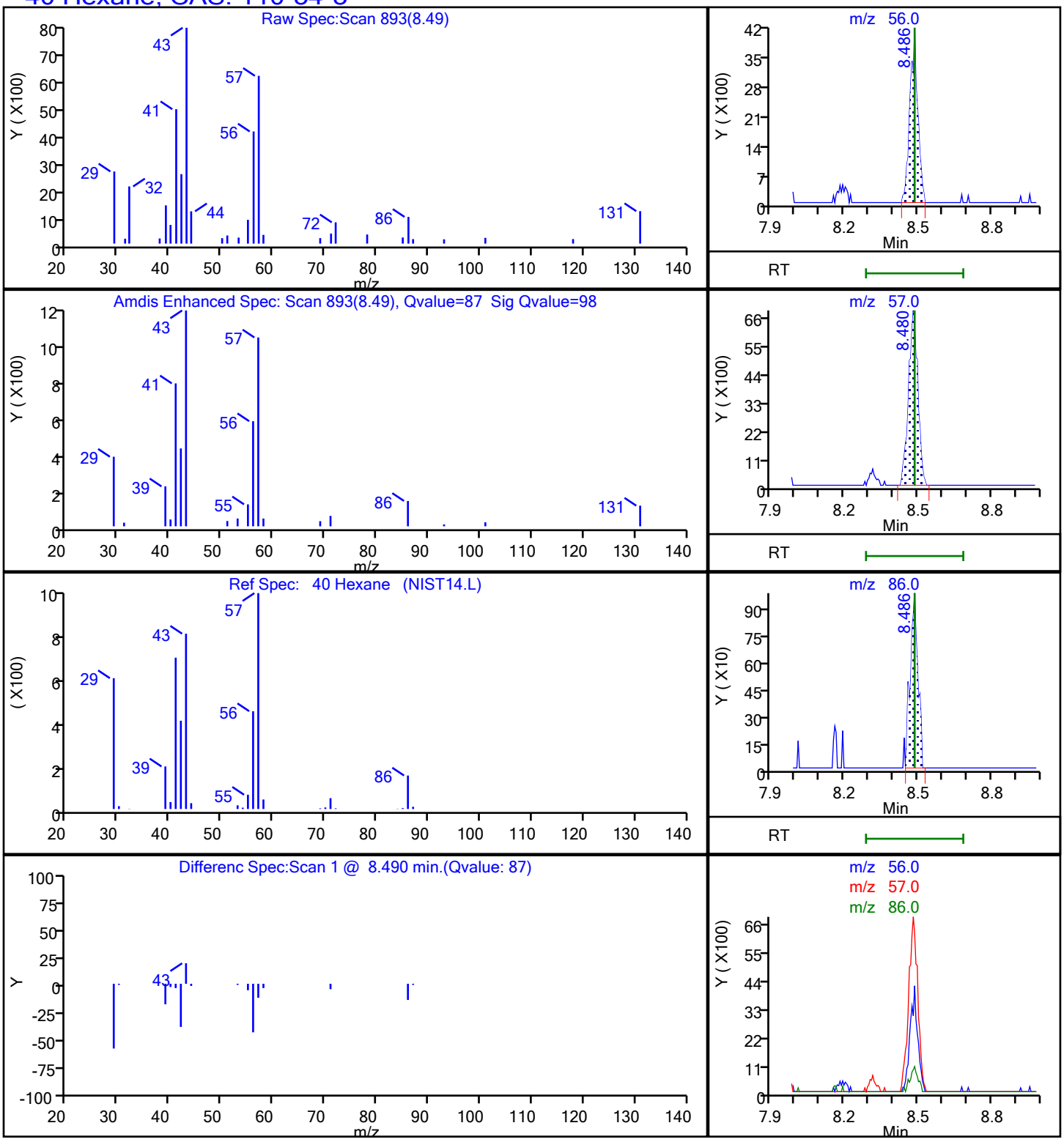
Operator ID: HMT ALS Bottle#: 15 Worklist Smp#: 20

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

40 Hexane, CAS: 110-54-3



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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D

Injection Date: 10-Feb-2021 07:03:30 Instrument ID: MS

Lims ID: 140-21885-A-5 Lab Sample ID: 140-21885-5

Client ID: GPEC-OA GATEHOUSE

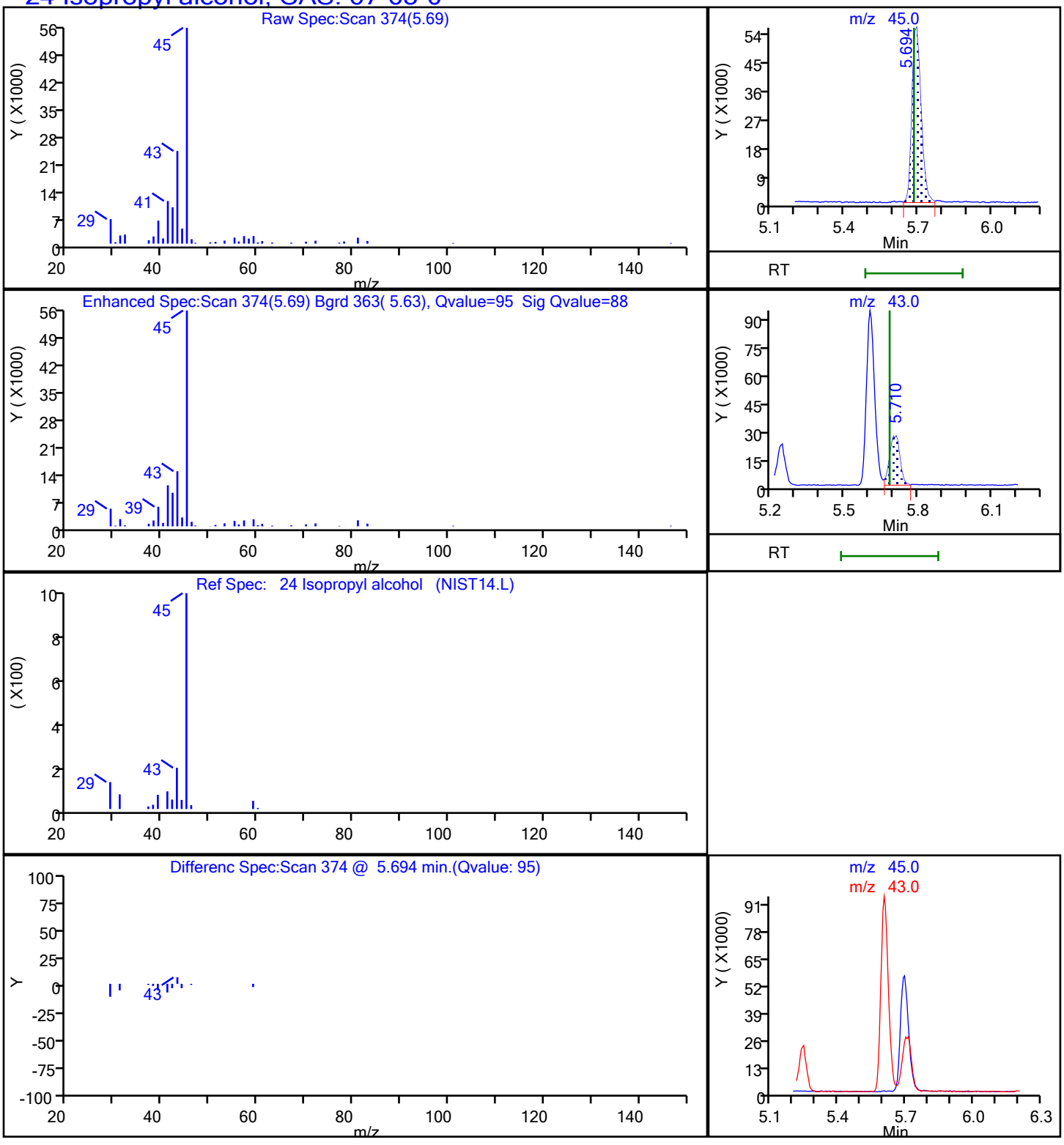
Operator ID: HMT ALS Bottle#: 15 Worklist Smp#: 20

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

24 Isopropyl alcohol, CAS: 67-63-0



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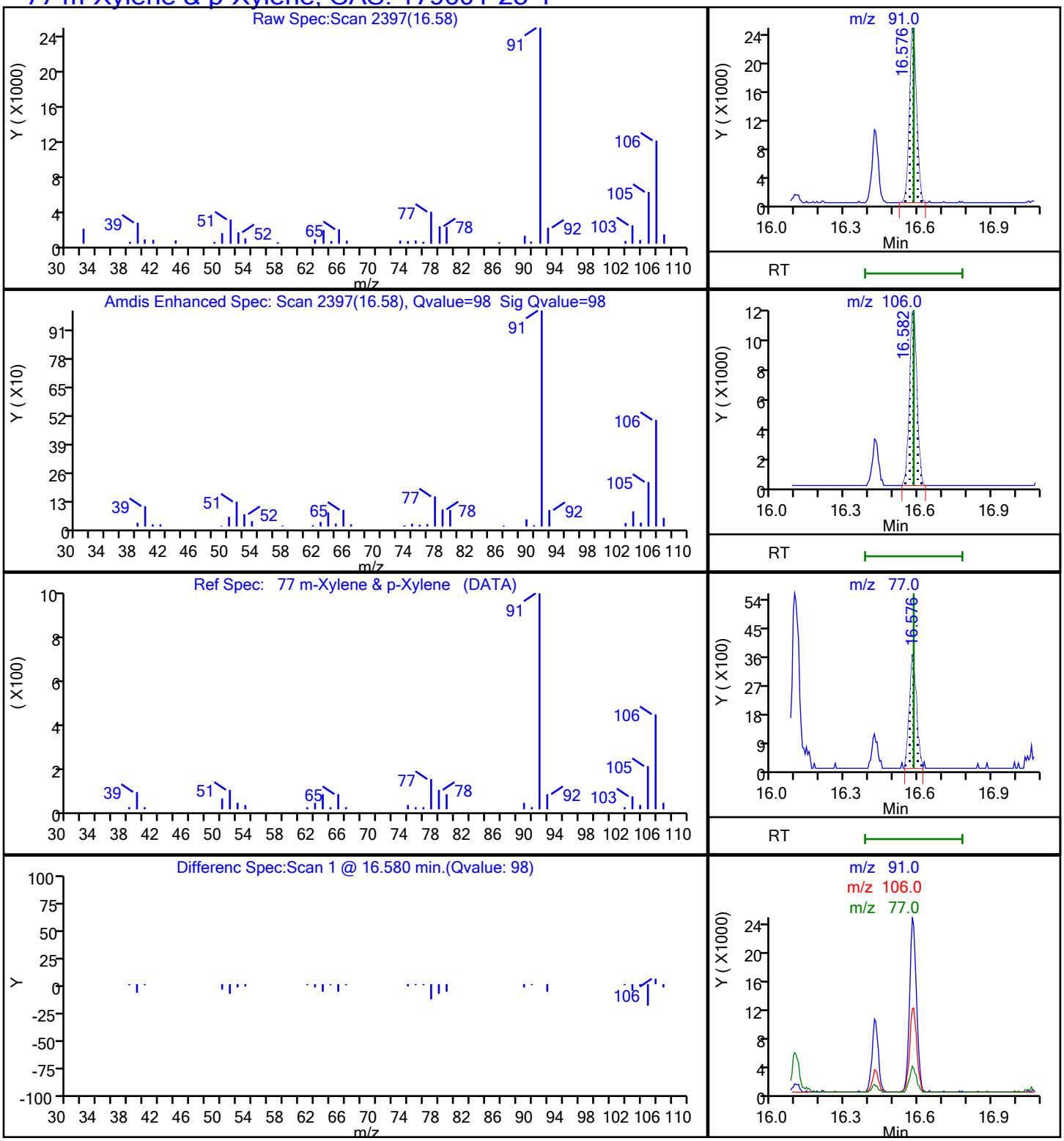
Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D		
Injection Date:	10-Feb-2021 07:03:30	Instrument ID:	MS
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5
Client ID:	GPEC-OA GATEHOUSE		
Operator ID:	HMT	ALS Bottle#:	15 Worklist Smp#: 20
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

77 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins TestAmerica, Knoxville

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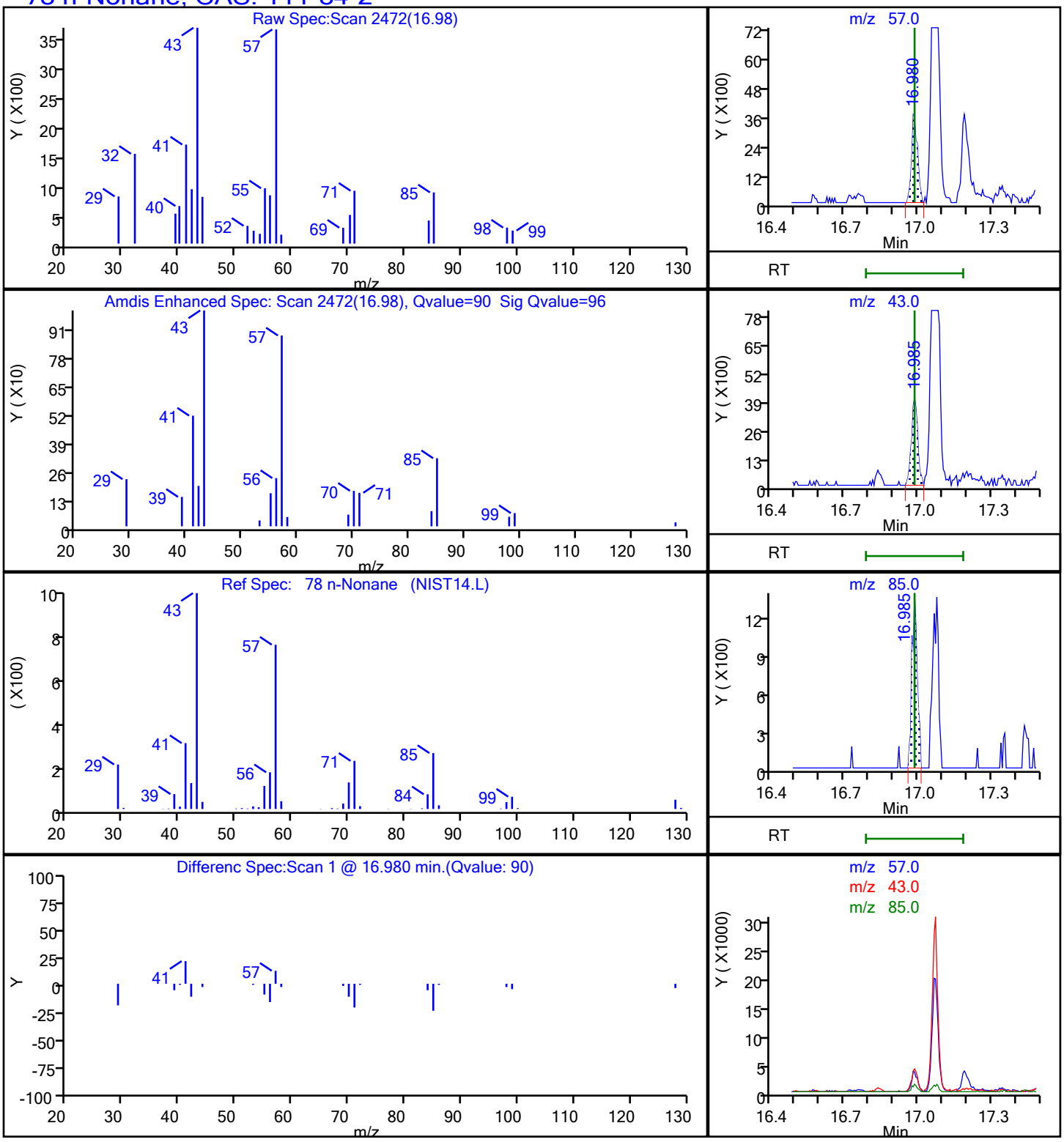
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

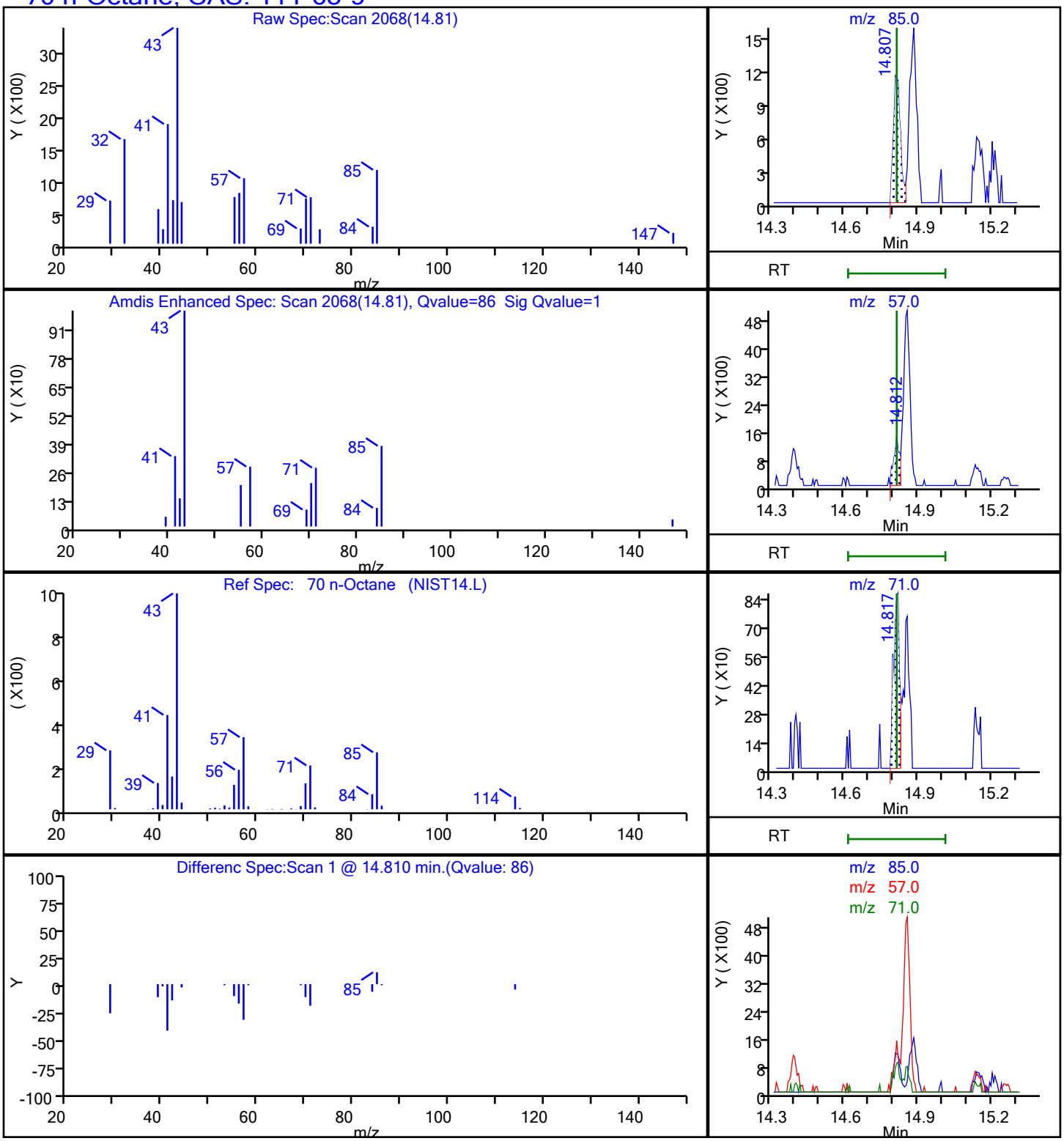
78 n-Nonane, CAS: 111-84-2



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D
Injection Date: 10-Feb-2021 07:03:30 Instrument ID: MS
Lims ID: 140-21885-A-5 Lab Sample ID: 140-21885-5
Client ID: GPEC-OA GATEHOUSE
Operator ID: HMT ALS Bottle#: 15 Worklist Smp#: 20
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

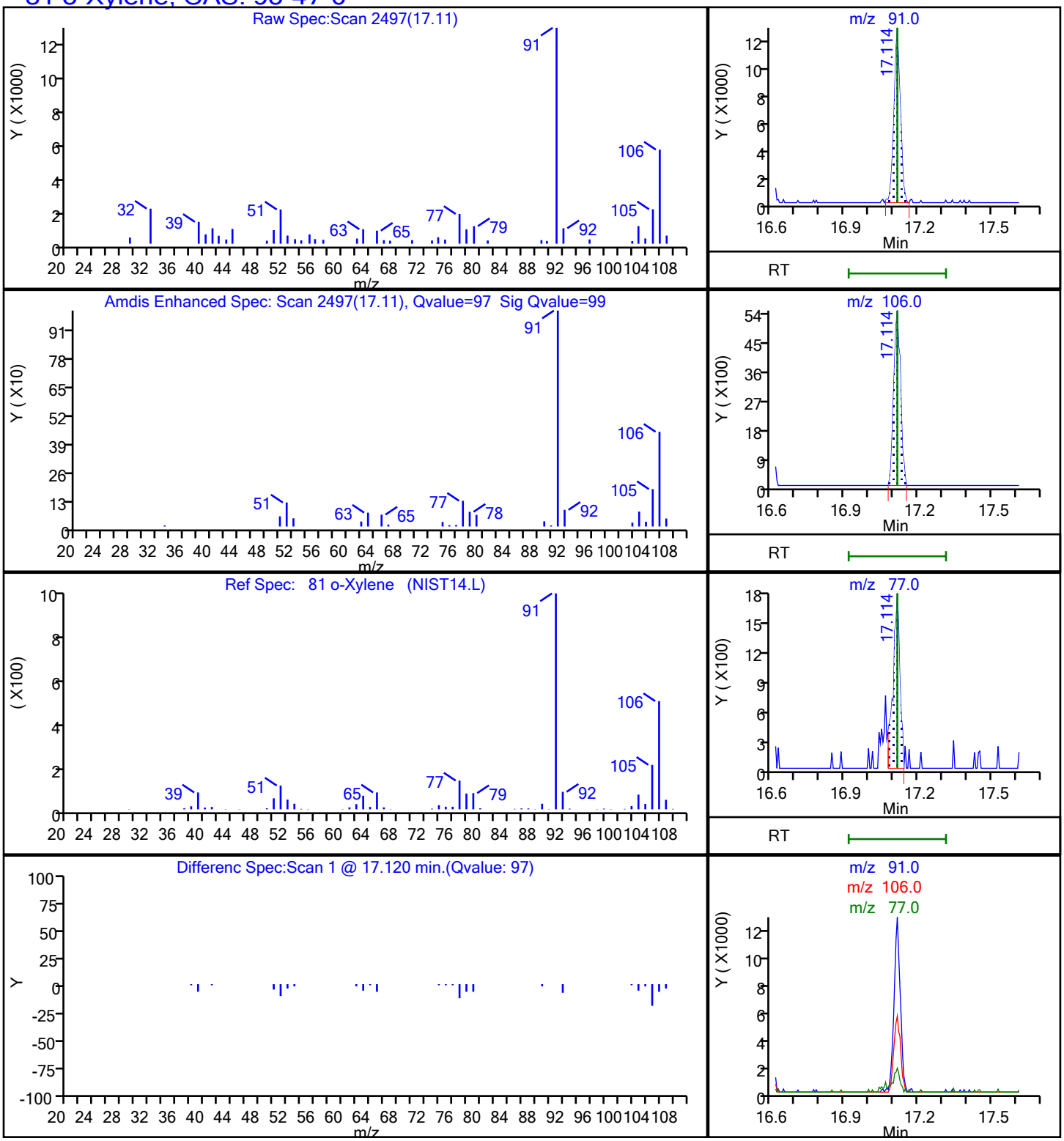
70 n-Octane, CAS: 111-65-9



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D				
Injection Date:	10-Feb-2021 07:03:30	Instrument ID:	MS		
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
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		

81 o-Xylene, CAS: 95-47-6

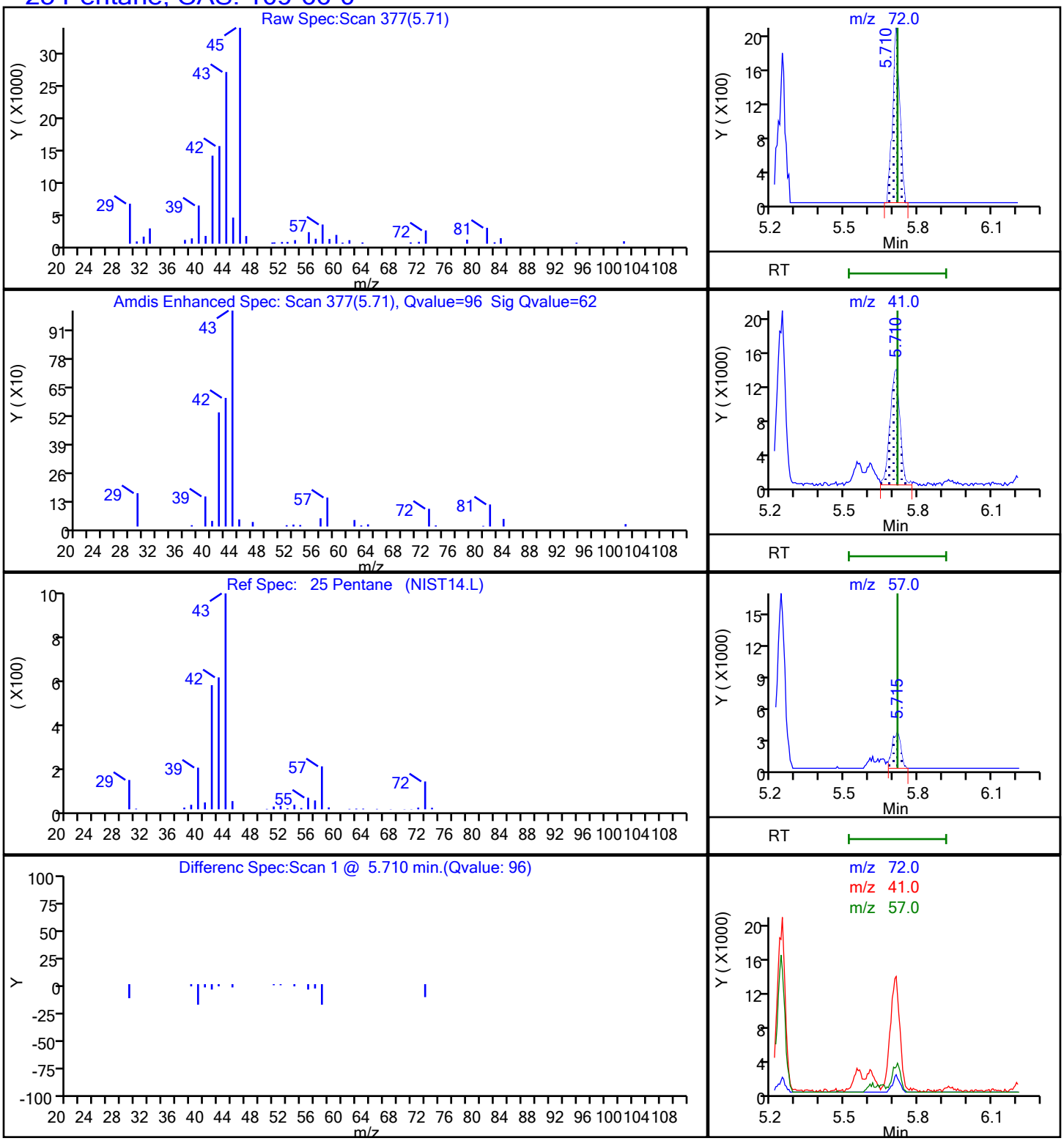


Report Date: 11-Feb-2021 09:58:07 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D		
Injection Date:	10-Feb-2021 07:03:30	Instrument ID:	MS
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5
Client ID:	GPEC-OA GATEHOUSE		
Operator ID:	HMT	ALS Bottle#:	15 Worklist Smp#: 20
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

25 Pentane, CAS: 109-66-0

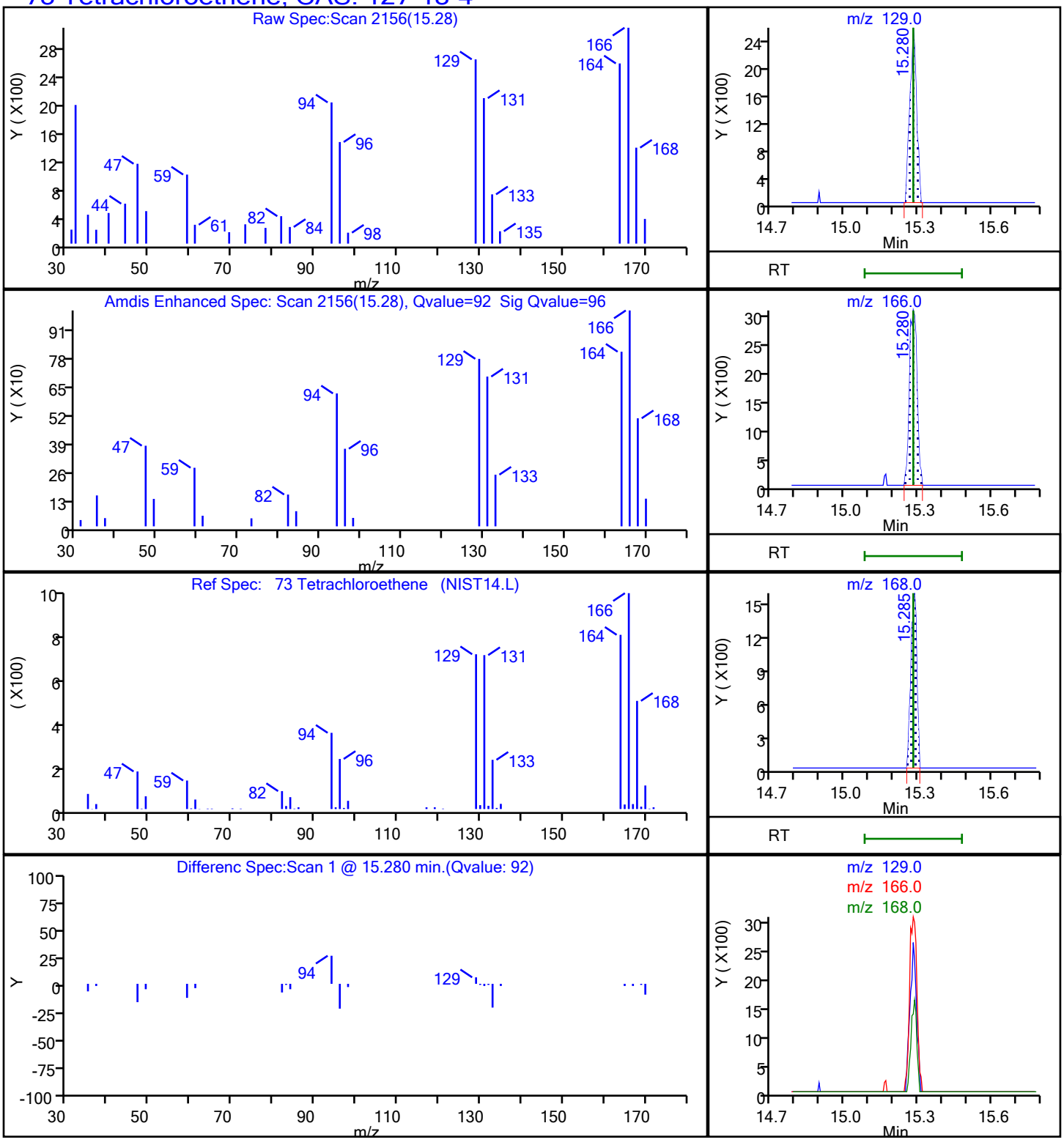


Report Date: 11-Feb-2021 09:58:07 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D		
Injection Date:	10-Feb-2021 07:03:30	Instrument ID:	MS
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5
Client ID:	GPEC-OA GATEHOUSE		
Operator ID:	HMT	ALS Bottle#:	15 Worklist Smp#: 20
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

73 Tetrachloroethene, CAS: 127-18-4

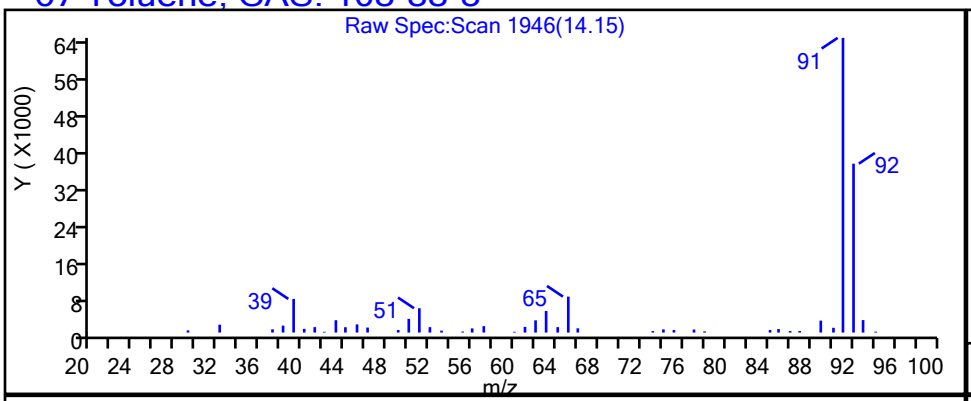


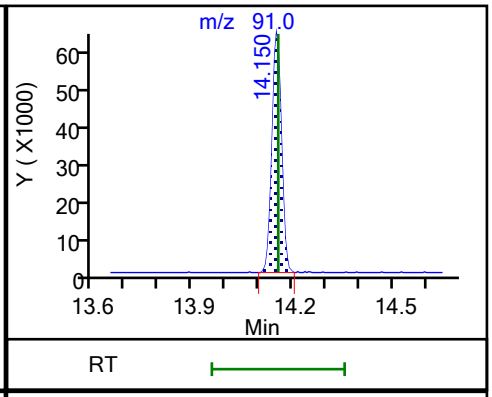
Report Date: 11-Feb-2021 09:58:07 Chrom Revision: 2.3 09-Dec-2020 16:22:14

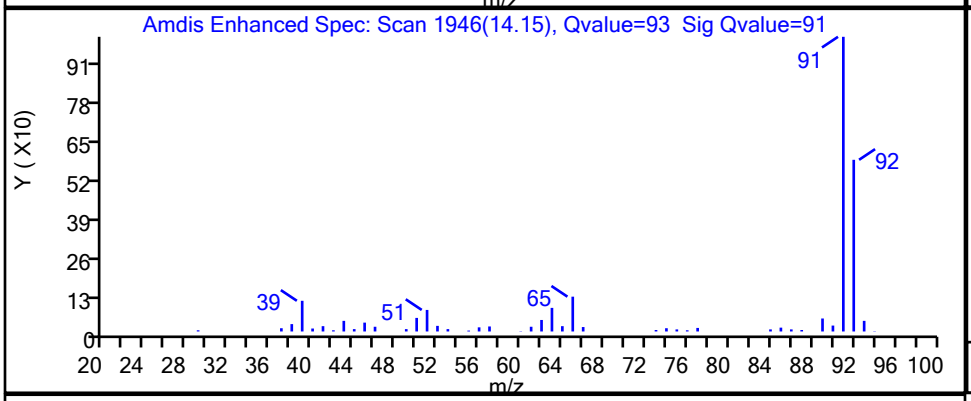
Eurofins TestAmerica, Knoxville

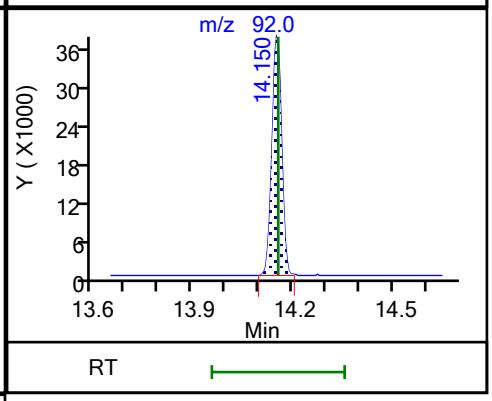
Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D		
Injection Date:	10-Feb-2021 07:03:30	Instrument ID:	MS
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5
Client ID:	GPEC-OA GATEHOUSE		
Operator ID:	HMT	ALS Bottle#:	15 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

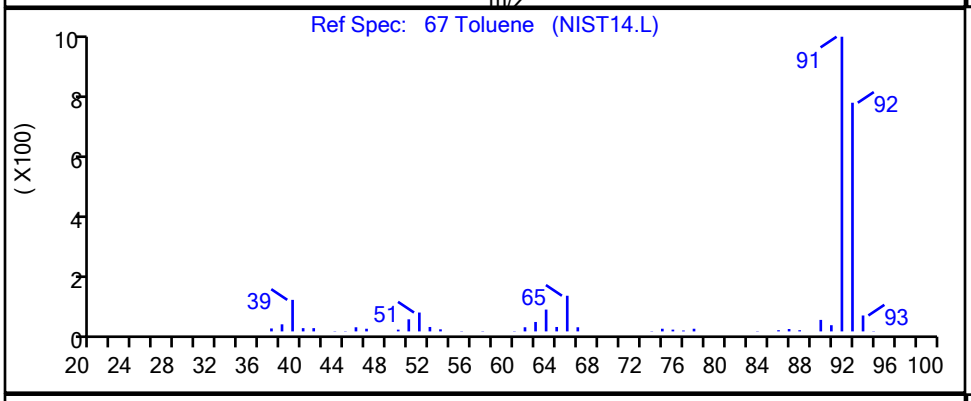
67 Toluene, CAS: 108-88-3

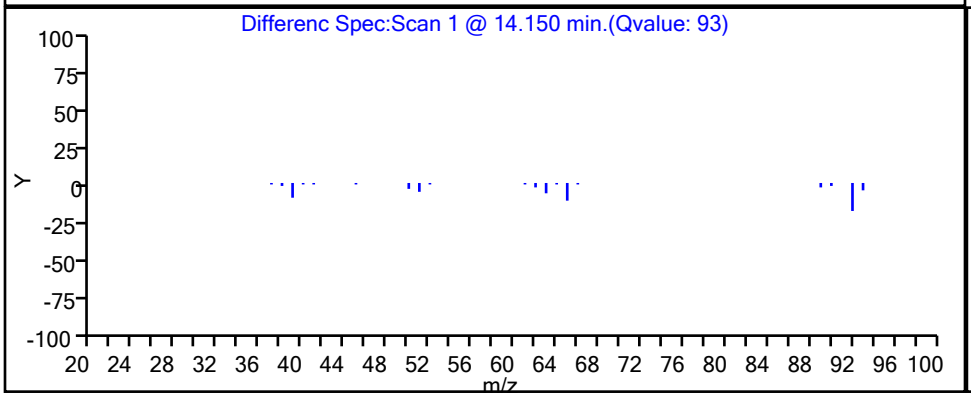


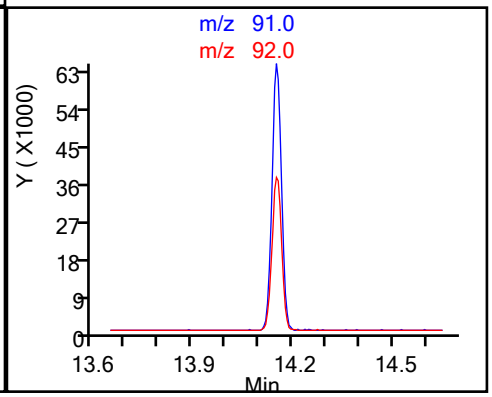








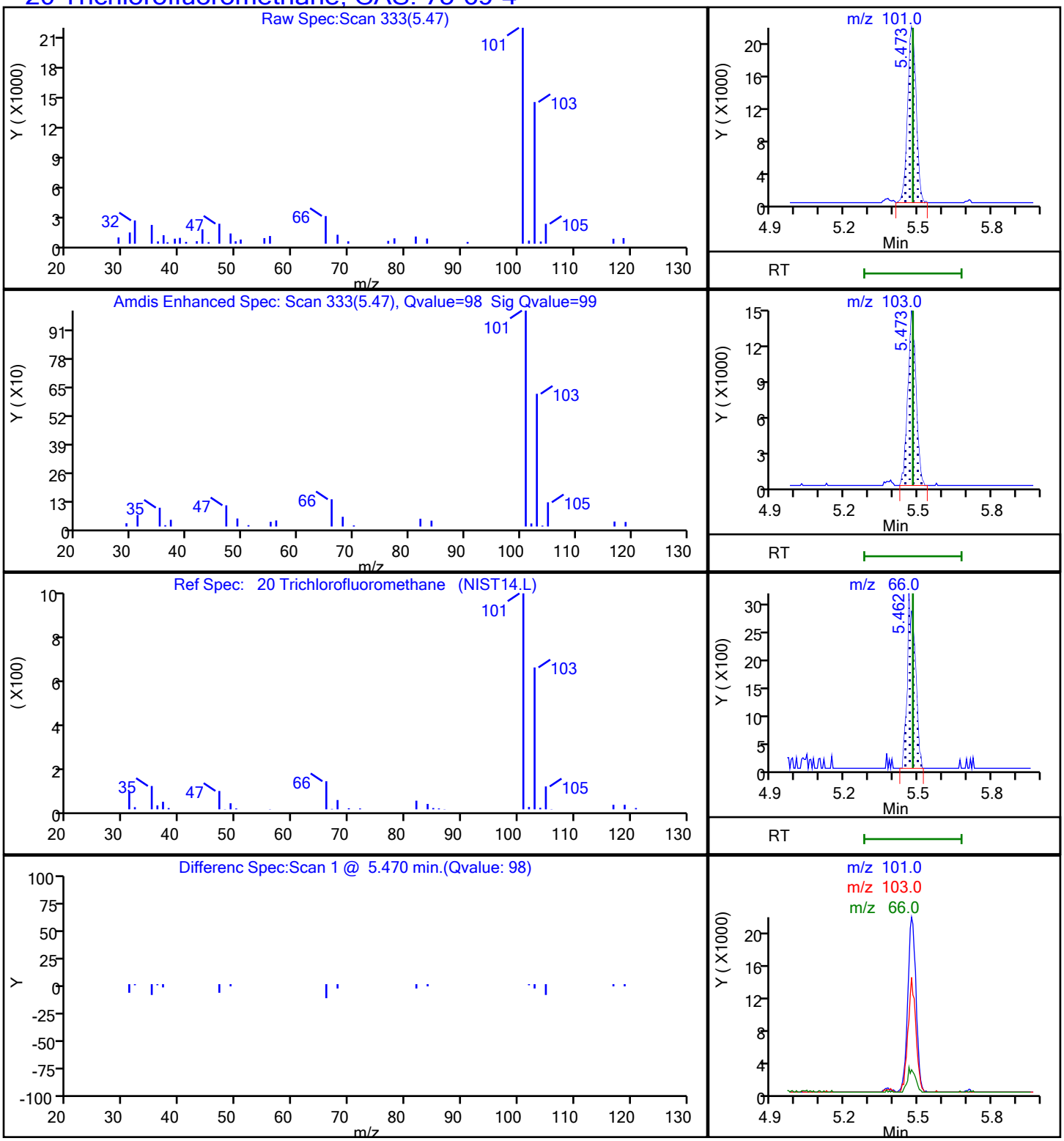




Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D				
Injection Date:	10-Feb-2021 07:03:30	Instrument ID:	MS		
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
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		

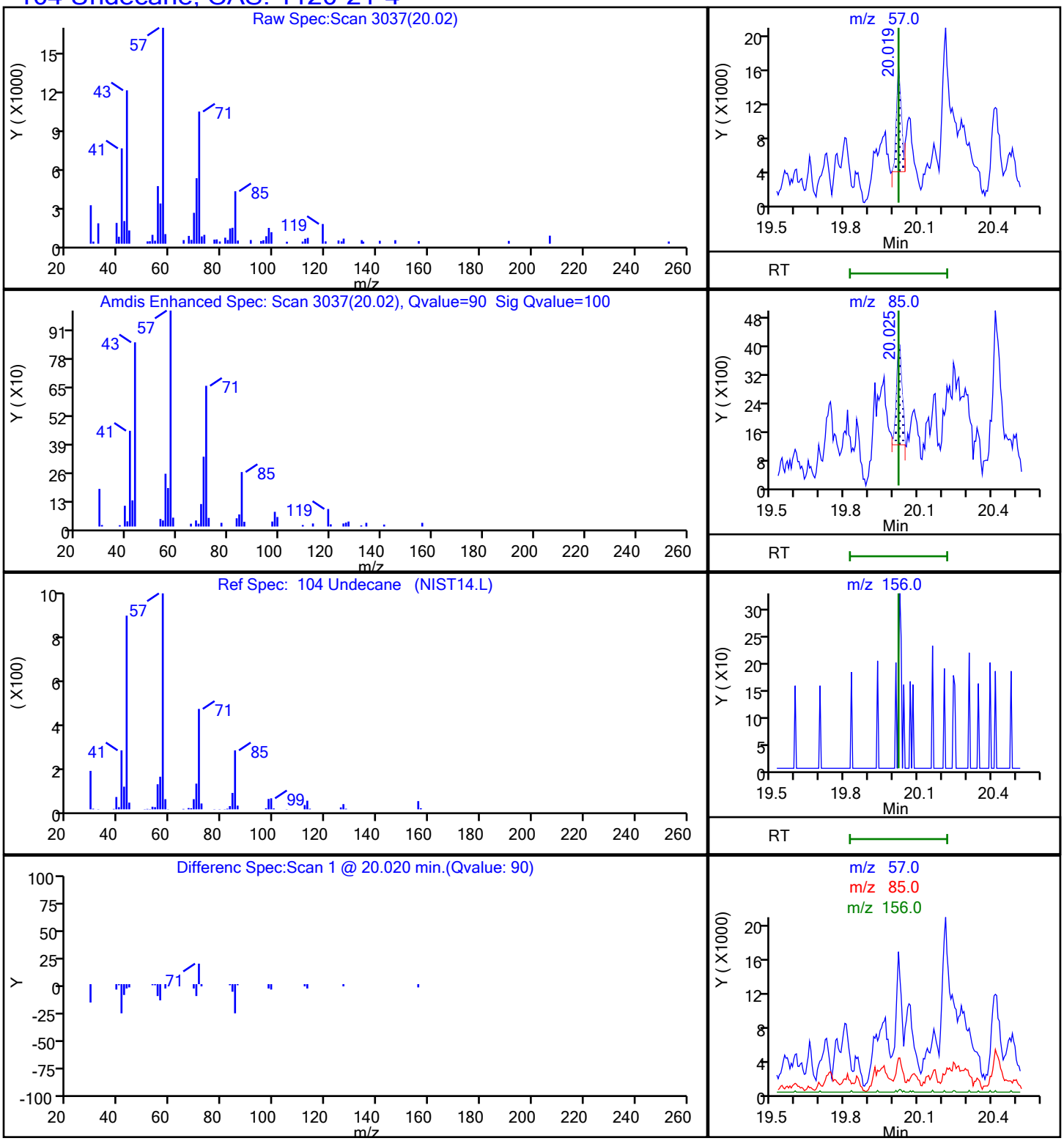
20 Trichlorofluoromethane, CAS: 75-69-4



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D		
Injection Date:	10-Feb-2021 07:03:30	Instrument ID:	MS
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5
Client ID:	GPEC-OA GATEHOUSE		
Operator ID:	HMT	ALS Bottle#:	15 Worklist Smp#: 20
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

104 Undecane, CAS: 1120-21-4



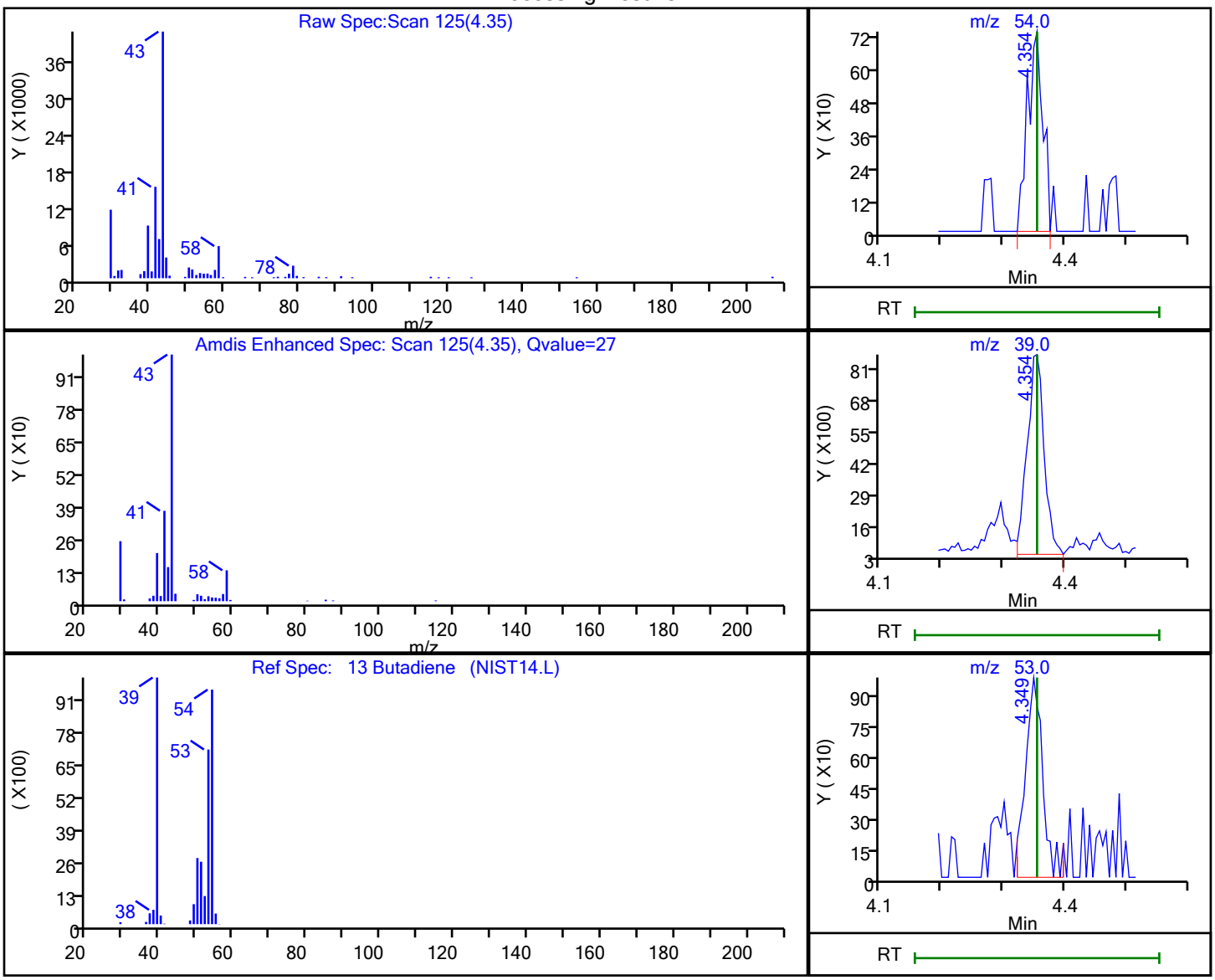
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D				
Injection Date:	10-Feb-2021 07:03:30	Instrument ID:	MS		
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
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		

13 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
4.35	54.00	1278	0.033349
4.35	39.00	15946	
4.35	53.00	1948	

Reviewer: khachitpongpanits, 11-Feb-2021 09:30:43

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

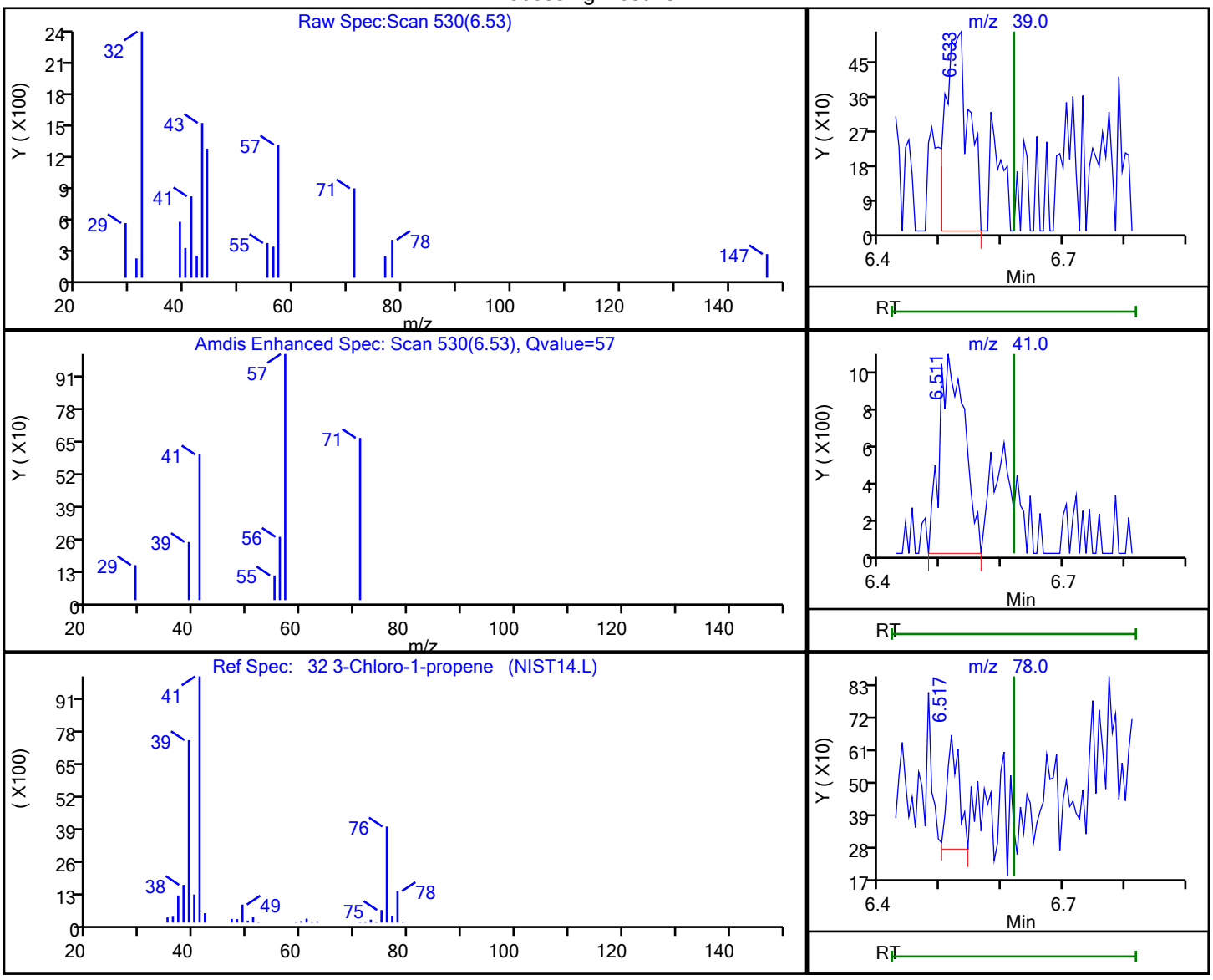
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D				
Injection Date:	10-Feb-2021 07:03:30	Instrument ID:	MS		
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
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		

32 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
6.53	39.00	1375	0.020774
6.51	41.00	2866	
6.52	78.00	519	

Reviewer: khachitpongpanits, 11-Feb-2021 09:31:25

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

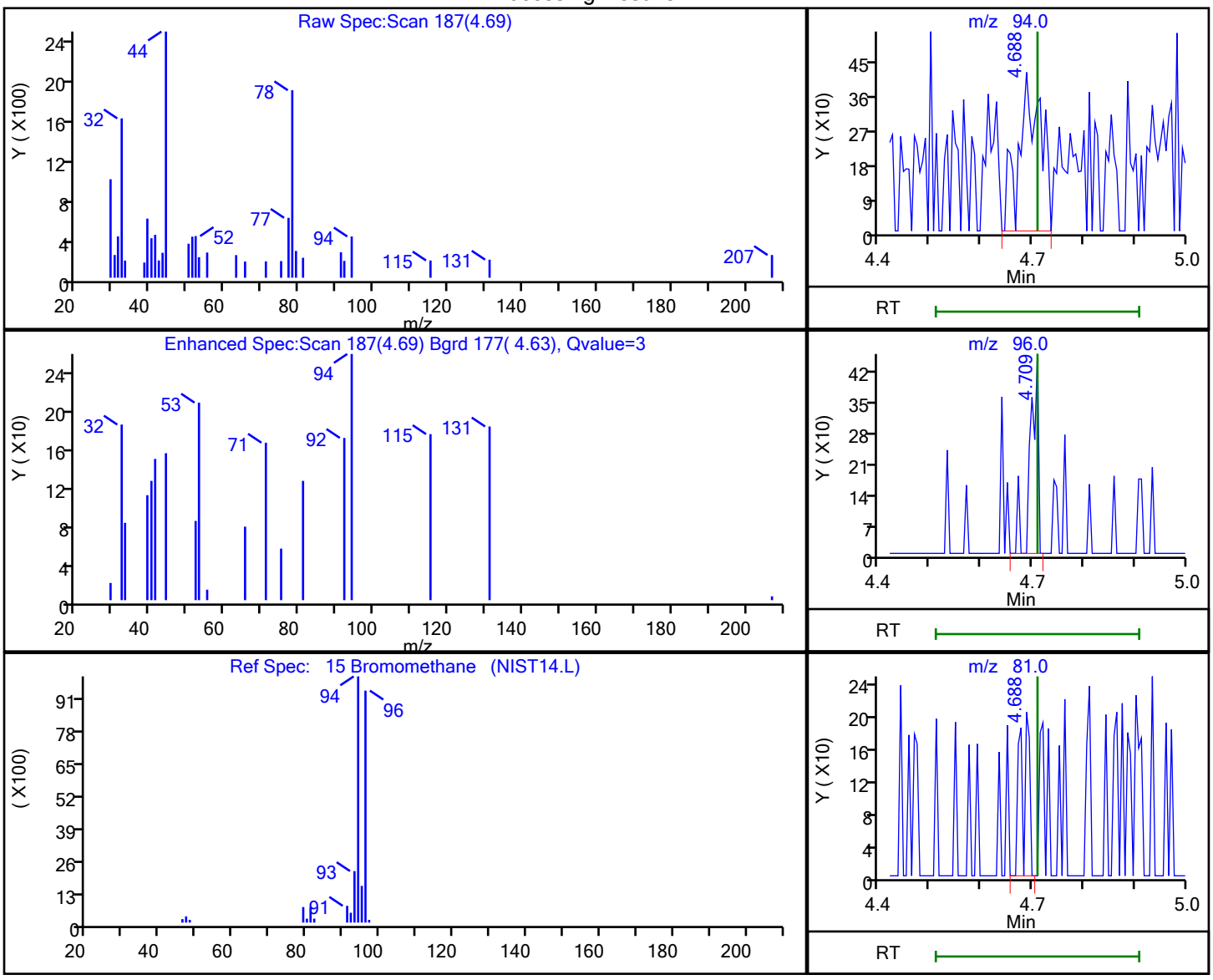
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D				
Injection Date:	10-Feb-2021 07:03:30	Instrument ID:	MS		
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
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		

15 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
4.69	94.00	1260	0.024183
4.71	96.00	483	
4.69	81.00	231	

Reviewer: khachitpongpanits, 11-Feb-2021 09:30:46

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

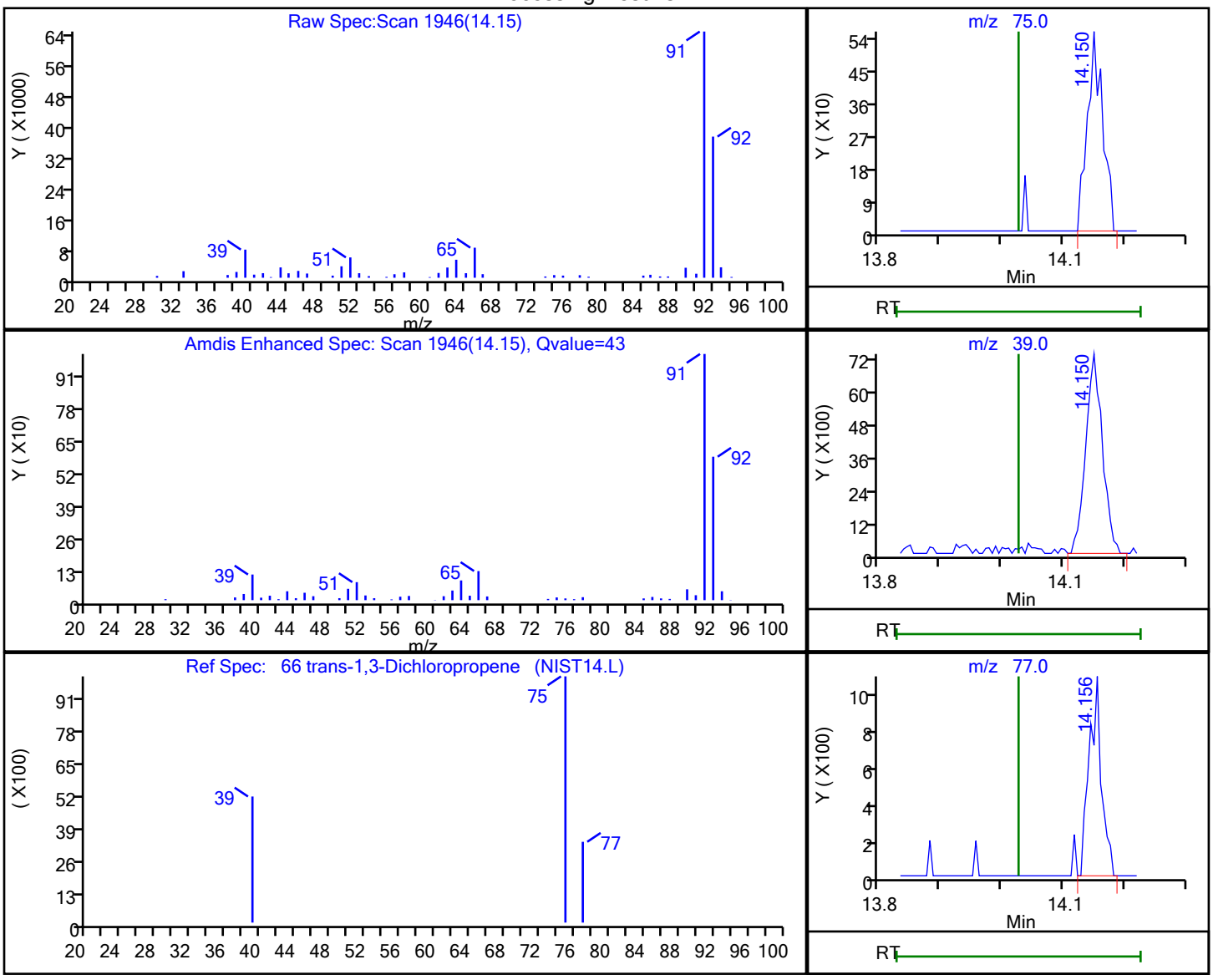
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SB09P115.D				
Injection Date:	10-Feb-2021 07:03:30	Instrument ID:	MS		
Lims ID:	140-21885-A-5	Lab Sample ID:	140-21885-5		
Client ID:	GPEC-OA GATEHOUSE				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	20
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		

66 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
14.15	75.00	970	0.009359
14.15	39.00	14057	
14.16	77.00	1434	

Reviewer: khachitpongpanits, 11-Feb-2021 09:31:37

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.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-XX 020421 Lab Sample ID: 140-21885-6

Matrix: Air Lab File ID: HB11P109.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 00:00

Sample wt/vol: 30(mL) Date Analyzed: 02/12/2021 03:13

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.: 46842 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.3	0.62
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.3	0.23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		1.3	0.13
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.3	0.12
75-34-3	1,1-Dichloroethane	98.96	ND		1.3	0.12
75-35-4	1,1-Dichloroethene	96.94	ND		0.67	0.13
526-73-8	1,2,3-Trimethylbenzene	120.19	ND		1.3	0.60
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		1.3	1.1
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		1.3	0.33
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		1.3	0.12
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		1.3	0.20
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.3	0.52
107-06-2	1,2-Dichloroethane	98.96	ND		1.3	0.17
78-87-5	1,2-Dichloropropane	112.99	ND		1.3	0.17
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		1.3	0.37
106-99-0	1,3-Butadiene	54.09	ND		2.7	0.32
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.3	0.27
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.3	0.27
123-91-1	1,4-Dioxane	88.11	ND		3.3	0.50
90-12-0	1-Methylnaphthalene	142.20	ND		17	4.3
540-84-1	2,2,4-Trimethylpentane	114.23	ND		3.3	0.13
78-93-3	2-Butanone (MEK)	72.11	ND		5.3	1.2
95-49-8	2-Chlorotoluene	126.59	ND		2.7	0.27
591-78-6	2-Hexanone	100.20	ND		3.3	0.27
91-57-6	2-Methylnaphthalene	142.20	ND		17	4.5
107-05-1	3-Chloropropene	76.53	ND		1.3	0.38
622-96-8	4-Ethyltoluene	120.20	ND		2.7	0.35
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		3.3	0.90
67-64-1	Acetone	58.08	17	J	33	9.5
71-43-2	Benzene	78.11	0.27	J	1.3	0.13
100-44-7	Benzyl chloride	126.58	ND		2.7	0.63
75-27-4	Bromodichloromethane	163.83	ND		1.3	0.30
75-25-2	Bromoform	252.75	ND		1.3	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-XX 020421 Lab Sample ID: 140-21885-6

Matrix: Air Lab File ID: HB11P109.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 00:00

Sample wt/vol: 30(mL) Date Analyzed: 02/12/2021 03:13

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.: 46842 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND		1.3	0.37
106-97-8	Butane	58.12	6.8		2.7	1.4
75-15-0	Carbon disulfide	76.14	ND		3.3	0.18
56-23-5	Carbon tetrachloride	153.81	ND		0.53	0.12
108-90-7	Chlorobenzene	112.56	ND		1.3	0.10
75-00-3	Chloroethane	64.52	ND		1.3	0.48
67-66-3	Chloroform	119.38	ND		1.3	0.12
74-87-3	Chloromethane	50.49	1.2	J	3.3	1.1
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.67	0.17
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		1.3	0.27
110-82-7	Cyclohexane	84.16	ND		3.3	0.38
124-18-5	Decane	142.28	ND		6.7	0.63
124-48-1	Dibromochloromethane	208.28	ND		1.3	0.12
75-71-8	Dichlorodifluoromethane	120.91	0.49	J	1.3	0.23
112-40-3	Dodecane	170.33	ND		6.7	1.1
64-17-5	Ethanol	46.07	830		33	15
100-41-4	Ethylbenzene	106.17	ND		1.3	0.22
142-82-5	Heptane	100.21	ND		3.3	0.23
87-68-3	Hexachlorobutadiene	260.76	ND		1.3	0.53
110-54-3	Hexane	86.17	ND		3.3	0.22
67-63-0	Isopropyl alcohol	60.10	13		13	3.7
1634-04-4	Methyl tert-butyl ether	88.15	ND		2.7	0.87
75-09-2	Methylene Chloride	84.93	ND		6.7	6.5
179601-23-1	m-Xylene & p-Xylene	106.17	ND		1.3	0.48
91-20-3	Naphthalene	128.17	ND		3.3	1.3
111-84-2	Nonane	128.26	ND		3.3	0.30
111-65-9	Octane	114.23	ND		2.7	0.27
95-47-6	o-Xylene	106.17	ND		1.3	0.25
109-66-0	Pentane	72.15	ND		6.7	1.3
100-42-5	Styrene	104.15	ND		1.3	0.40
75-65-0	tert-Butyl alcohol	74.12	ND		5.3	1.5
127-18-4	Tetrachloroethene	165.83	0.14	J	1.3	0.12
108-88-3	Toluene	92.14	ND		2.0	1.3
156-60-5	trans-1,2-Dichloroethene	96.94	ND		1.3	0.12
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		1.3	0.15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-XX 020421 Lab Sample ID: 140-21885-6

Matrix: Air Lab File ID: HB11P109.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 00:00

Sample wt/vol: 30(mL) Date Analyzed: 02/12/2021 03:13

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.: 46842 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	0.29	J	0.60	0.10
75-69-4	Trichlorofluoromethane	137.37	0.22	J	1.3	0.18
1120-21-4	Undecane	156.31	ND		6.7	0.80
593-60-2	Vinyl bromide	106.96	ND		1.3	0.33
75-01-4	Vinyl chloride	62.50	ND		0.67	0.43

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-XX 020421 Lab Sample ID: 140-21885-6

Matrix: Air Lab File ID: HB11P109.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 00:00

Sample wt/vol: 30(mL) Date Analyzed: 02/12/2021 03:13

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.: 46842 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND		7.3	3.4
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		9.2	1.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		10	1.0
79-00-5	1,1,2-Trichloroethane	133.41	ND		7.3	0.64
75-34-3	1,1-Dichloroethane	98.96	ND		5.4	0.47
75-35-4	1,1-Dichloroethene	96.94	ND		2.6	0.53
526-73-8	1,2,3-Trimethylbenzene	120.19	ND		6.6	2.9
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		9.9	7.9
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		6.6	1.6
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		10	0.90
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		9.3	1.4
95-50-1	1,2-Dichlorobenzene	147.00	ND		8.0	3.1
107-06-2	1,2-Dichloroethane	98.96	ND		5.4	0.67
78-87-5	1,2-Dichloropropane	112.99	ND		6.2	0.77
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		6.6	1.8
106-99-0	1,3-Butadiene	54.09	ND		5.9	0.70
541-73-1	1,3-Dichlorobenzene	147.00	ND		8.0	1.6
106-46-7	1,4-Dichlorobenzene	147.00	ND		8.0	1.6
123-91-1	1,4-Dioxane	88.11	ND		12	1.8
90-12-0	1-Methylnaphthalene	142.20	ND		97	25
540-84-1	2,2,4-Trimethylpentane	114.23	ND		16	0.62
78-93-3	2-Butanone (MEK)	72.11	ND		16	3.6
95-49-8	2-Chlorotoluene	126.59	ND		14	1.4
591-78-6	2-Hexanone	100.20	ND		14	1.1
91-57-6	2-Methylnaphthalene	142.20	ND		97	26
107-05-1	3-Chloropropene	76.53	ND		4.2	1.2
622-96-8	4-Ethyltoluene	120.20	ND		13	1.7
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		14	3.7
67-64-1	Acetone	58.08	40	J	79	23
71-43-2	Benzene	78.11	0.87	J	4.3	0.43
100-44-7	Benzyl chloride	126.58	ND		14	3.3
75-27-4	Bromodichloromethane	163.83	ND		8.9	2.0
75-25-2	Bromoform	252.75	ND		14	1.6

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-XX 020421 Lab Sample ID: 140-21885-6

Matrix: Air Lab File ID: HB11P109.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 00:00

Sample wt/vol: 30(mL) Date Analyzed: 02/12/2021 03:13

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.: 46842 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND		5.2	1.4
106-97-8	Butane	58.12	16		6.3	3.3
75-15-0	Carbon disulfide	76.14	ND		10	0.57
56-23-5	Carbon tetrachloride	153.81	ND		3.4	0.73
108-90-7	Chlorobenzene	112.56	ND		6.1	0.46
75-00-3	Chloroethane	64.52	ND		3.5	1.3
67-66-3	Chloroform	119.38	ND		6.5	0.57
74-87-3	Chloromethane	50.49	2.5	J	6.9	2.3
156-59-2	cis-1,2-Dichloroethene	96.94	ND		2.6	0.66
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		6.1	1.2
110-82-7	Cyclohexane	84.16	ND		11	1.3
124-18-5	Decane	142.28	ND		39	3.7
124-48-1	Dibromochloromethane	208.28	ND		11	0.99
75-71-8	Dichlorodifluoromethane	120.91	2.4	J	6.6	1.2
112-40-3	Dodecane	170.33	ND		46	7.4
64-17-5	Ethanol	46.07	1600		63	27
100-41-4	Ethylbenzene	106.17	ND		5.8	0.94
142-82-5	Heptane	100.21	ND		14	0.96
87-68-3	Hexachlorobutadiene	260.76	ND		14	5.7
110-54-3	Hexane	86.17	ND		12	0.76
67-63-0	Isopropyl alcohol	60.10	32		33	9.0
1634-04-4	Methyl tert-butyl ether	88.15	ND		9.6	3.1
75-09-2	Methylene Chloride	84.93	ND		23	23
179601-23-1	m-Xylene & p-Xylene	106.17	ND		5.8	2.1
91-20-3	Naphthalene	128.17	ND		17	6.6
111-84-2	Nonane	128.26	ND		17	1.6
111-65-9	Octane	114.23	ND		12	1.2
95-47-6	o-Xylene	106.17	ND		5.8	1.1
109-66-0	Pentane	72.15	ND		20	3.9
100-42-5	Styrene	104.15	ND		5.7	1.7
75-65-0	tert-Butyl alcohol	74.12	ND		16	4.4
127-18-4	Tetrachloroethene	165.83	0.95	J	9.0	0.79
108-88-3	Toluene	92.14	ND		7.5	4.9
156-60-5	trans-1,2-Dichloroethene	96.94	ND		5.3	0.46
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		6.1	0.68

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-XX 020421 Lab Sample ID: 140-21885-6

Matrix: Air Lab File ID: HB11P109.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 00:00

Sample wt/vol: 30(mL) Date Analyzed: 02/12/2021 03:13

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.: 46842 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	1.6	J	3.2	0.54
75-69-4	Trichlorofluoromethane	137.37	1.2	J	7.5	1.0
1120-21-4	Undecane	156.31	ND		43	5.1
593-60-2	Vinyl bromide	106.96	ND		5.8	1.5
75-01-4	Vinyl chloride	62.50	ND		1.7	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-XX 020421 Lab Sample ID: 140-21885-6

Matrix: Air Lab File ID: HB11P109.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 00:00

Sample wt/vol: 30(mL) Date Analyzed: 02/12/2021 03:13

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.: 46842 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		
496-11-7	Indane TIC		ND		
95-13-6	Indene TIC		ND		
110-02-1	Thiophene TIC		ND		

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: GPEC-XX 020421 Lab Sample ID: 140-21885-6

Matrix: Air Lab File ID: HB11P109.D

Analysis Method: TO 15 LL Date Collected: 02/04/2021 00:00

Sample wt/vol: 30(mL) Date Analyzed: 02/12/2021 03:13

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.: 46842 Units: ug/m3

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		
496-11-7	Indane TIC		ND		
95-13-6	Indene TIC		ND		
110-02-1	Thiophene TIC		ND		

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P109.D				
Lims ID:	140-21885-A-6				
Client ID:	GPEC-XX 020421				
Sample Type:	Client				
Inject. Date:	12-Feb-2021 03:13:30	ALS Bottle#:	9	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018175-020				
Misc. Info.:	140-21885-a-6				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Feb-2021 01:55:37	Calib Date:	09-Feb-2021 06:44:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1629				
First Level Reviewer: khachitpongpanits		Date:	12-Feb-2021 16:30:31		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.451	9.451	0.000	86	317206	4.80	
* 2 1,4-Difluorobenzene	114	11.674	11.679	-0.005	94	1455382	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.408	16.408	0.000	87	1224368	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.026	18.031	-0.005	93	898311	4.42	
8 Dichlorodifluoromethane	85	3.932	3.921	0.011	99	7140	0.0296	
9 Chloromethane	52	4.128	4.123	0.005	99	1313	0.0719	
13 Butane	43	4.417	4.407	0.010	92	31480	0.4097	
17 Ethanol	31	5.027	5.017	0.010	94	1320036	49.6	
20 Trichlorofluoromethane	101	5.565	5.554	0.011	92	2998	0.0130	
23 Acetone	58	5.699	5.684	0.015	98	35122	1.02	
25 Isopropyl alcohol	45	5.787	5.766	0.021	97	64258	0.7918	
51 Benzene	78	11.141	11.142	-0.006	95	4389	0.0163	
58 Trichloroethene	130	12.392	12.392	-0.005	90	2105	0.0173	
67 Toluene	91	14.439	14.439	0.000	92	23525	0.0721	
73 Tetrachloroethene	129	15.576	15.581	-0.005	83	1040	0.008448	

QC Flag Legend

Processing Flags

Reagents:

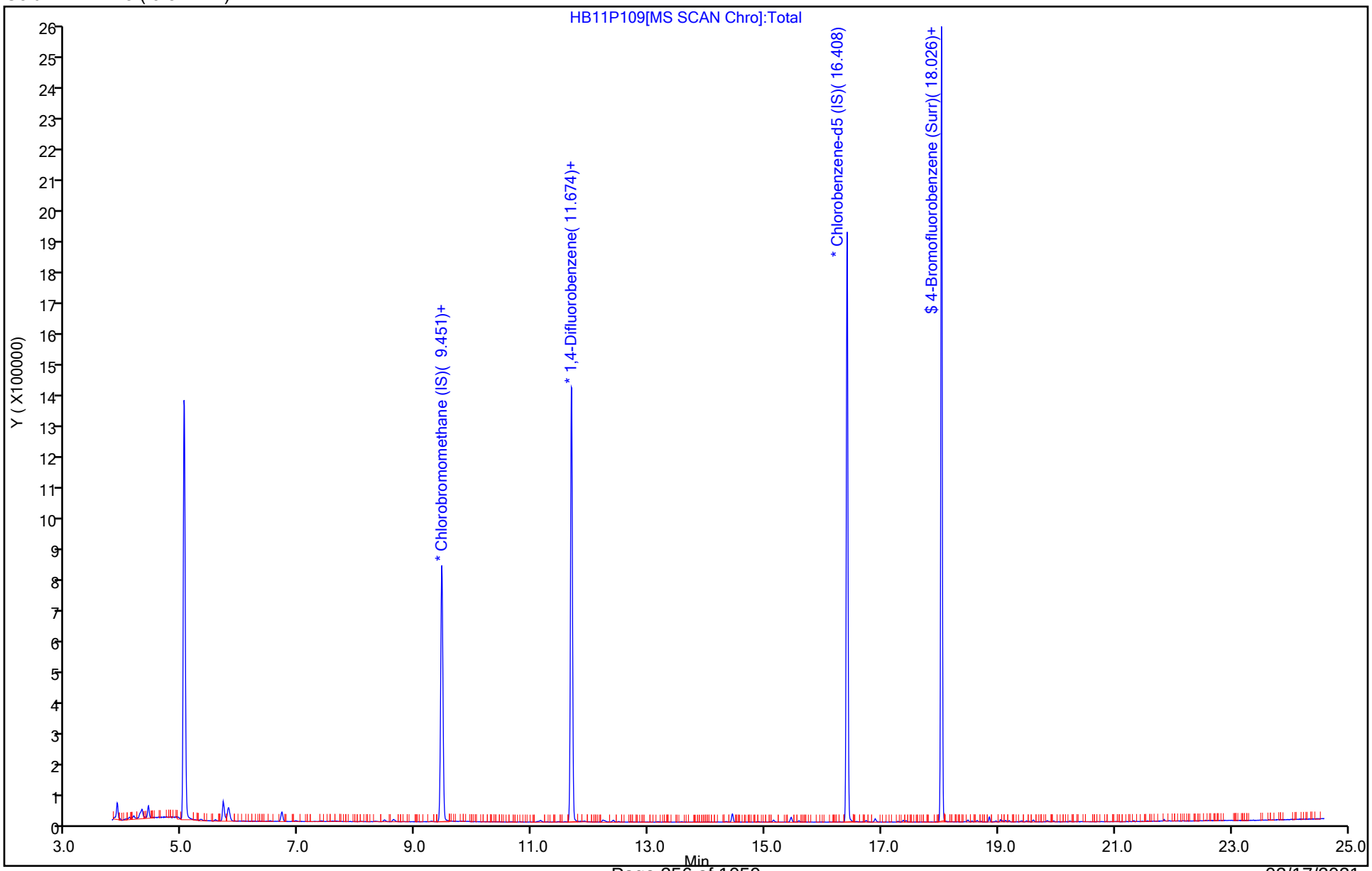
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 12-Feb-2021 16:30:31 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P109.D				
Injection Date:	12-Feb-2021 03:13:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-21885-A-6	Lab Sample ID:	140-21885-6	Worklist Smp#:	20
Client ID:	GPEC-XX 020421				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P109.D				
Lims ID:	140-21885-A-6				
Client ID:	GPEC-XX 020421				
Sample Type:	Client				
Inject. Date:	12-Feb-2021 03:13:30	ALS Bottle#:	9	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018175-020				
Misc. Info.:	140-21885-a-6				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Feb-2021 01:55:37	Calib Date:	09-Feb-2021 06:44:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1629				

First Level Reviewer: khachitpongpanits Date: 12-Feb-2021 16:30:31

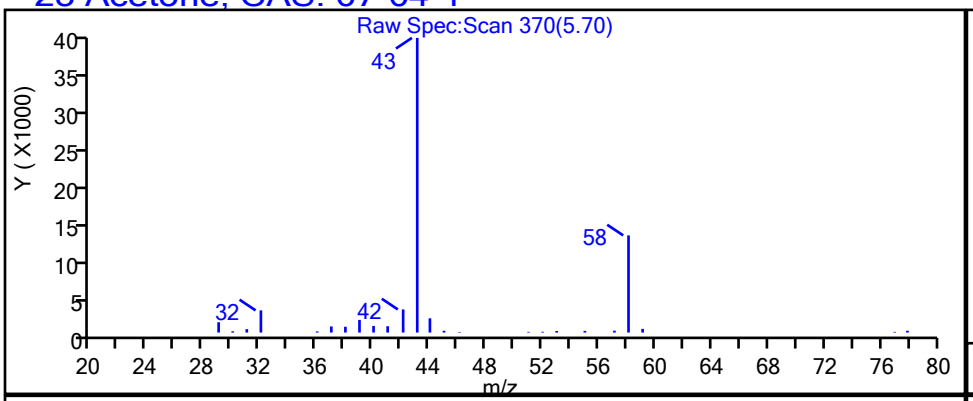
Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.42	95.33

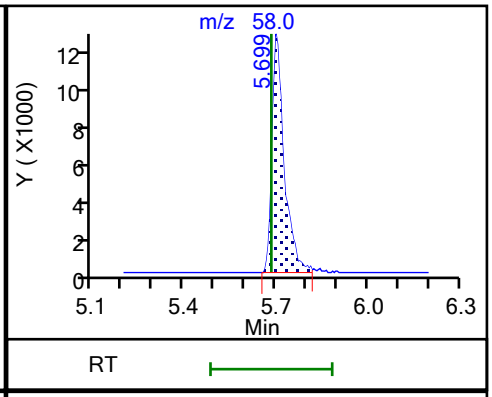
Report Date: 12-Feb-2021 16:30:32 Chrom Revision: 2.3 09-Dec-2020 16:22:14

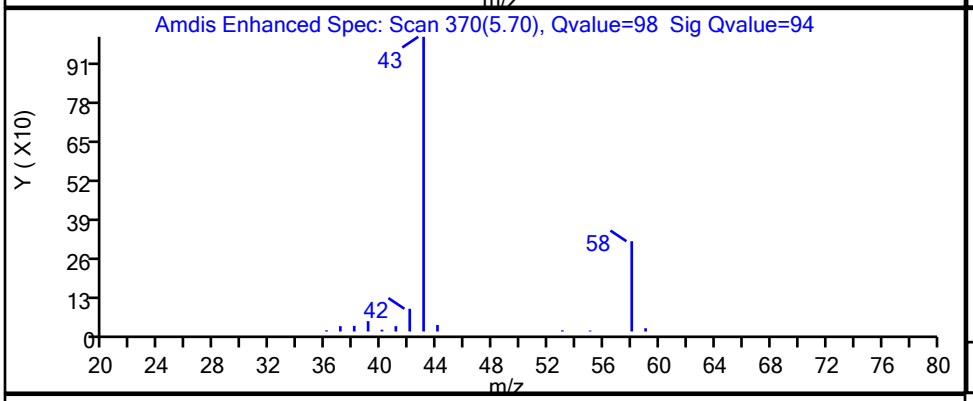
Eurofins TestAmerica, Knoxville

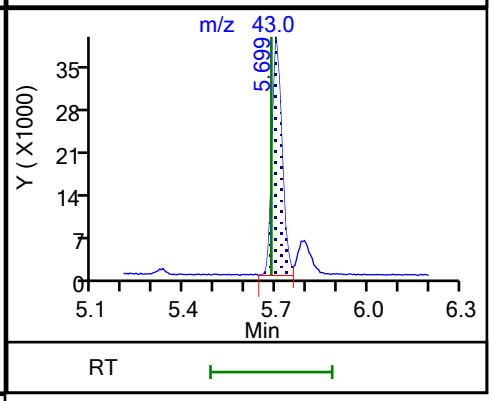
Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P109.D		
Injection Date:	12-Feb-2021 03:13:30	Instrument ID:	MH
Lims ID:	140-21885-A-6	Lab Sample ID:	140-21885-6
Client ID:	GPEC-XX 020421		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

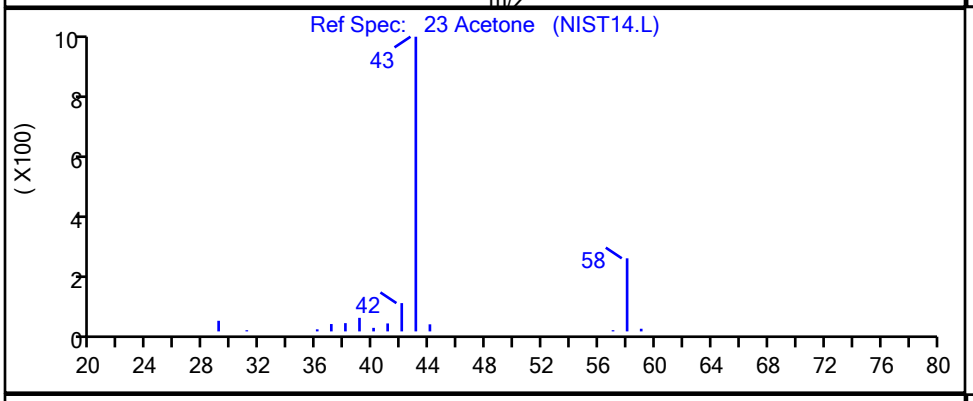
23 Acetone, CAS: 67-64-1

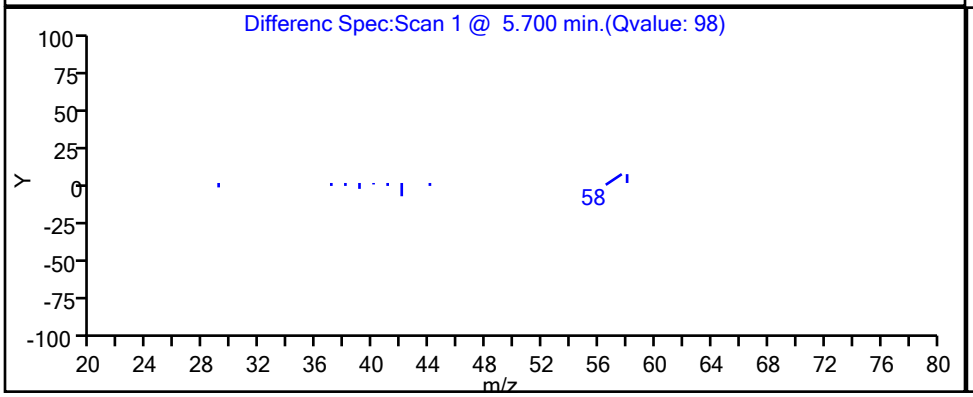


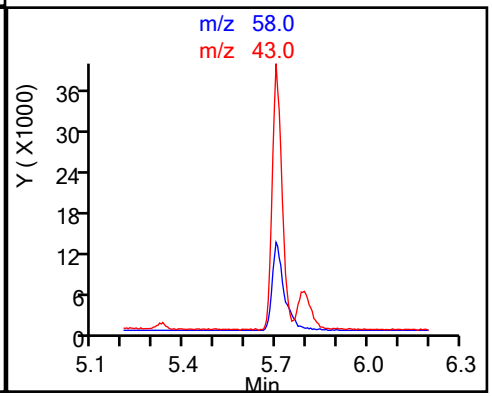










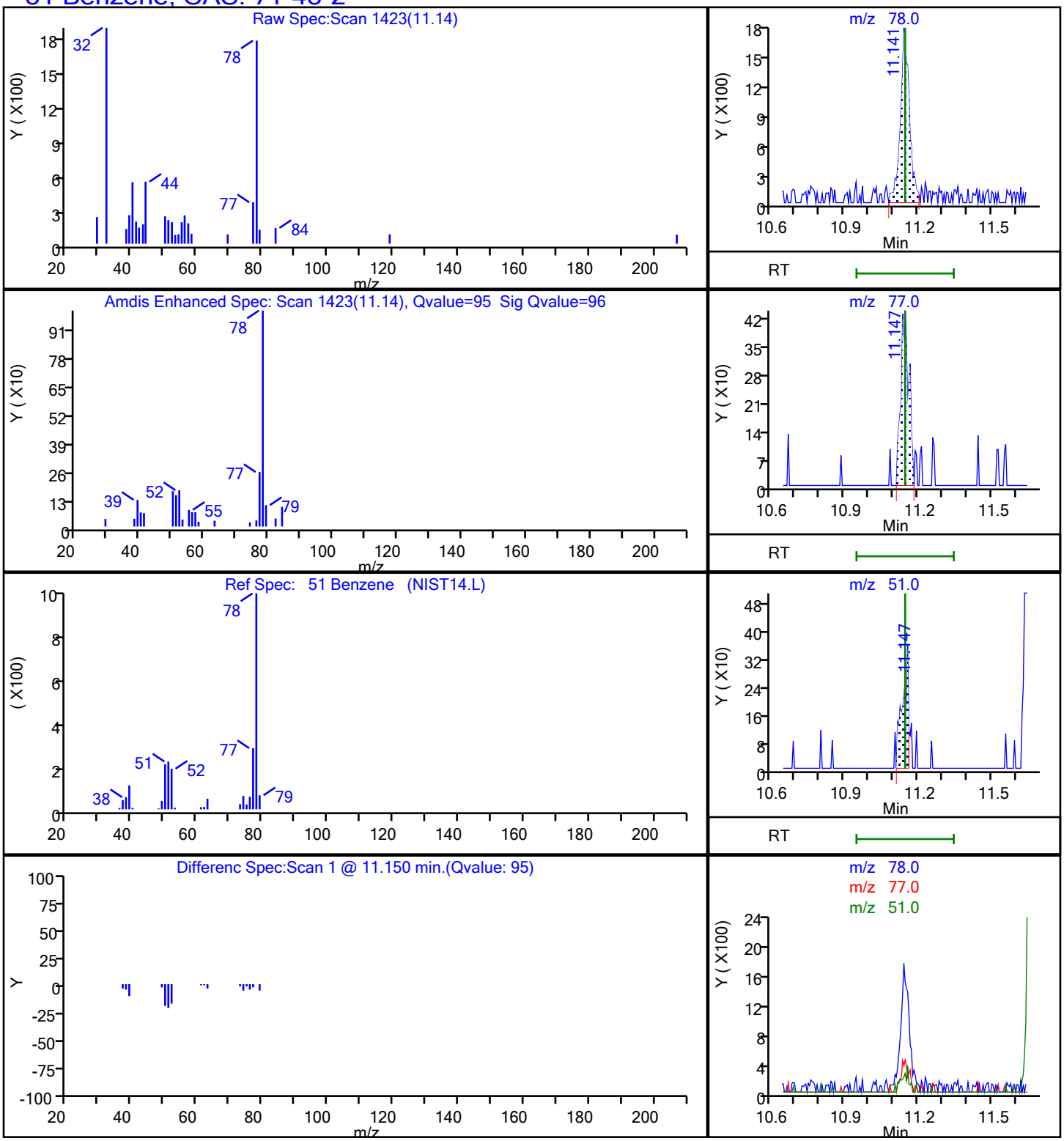


Report Date: 12-Feb-2021 16:30:32 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P109.D				
Injection Date:	12-Feb-2021 03:13:30	Instrument ID:	MH		
Lims ID:	140-21885-A-6	Lab Sample ID:	140-21885-6		
Client ID:	GPEC-XX 020421				
Operator ID:	HMT	ALS Bottle#:	9	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

51 Benzene, CAS: 71-43-2



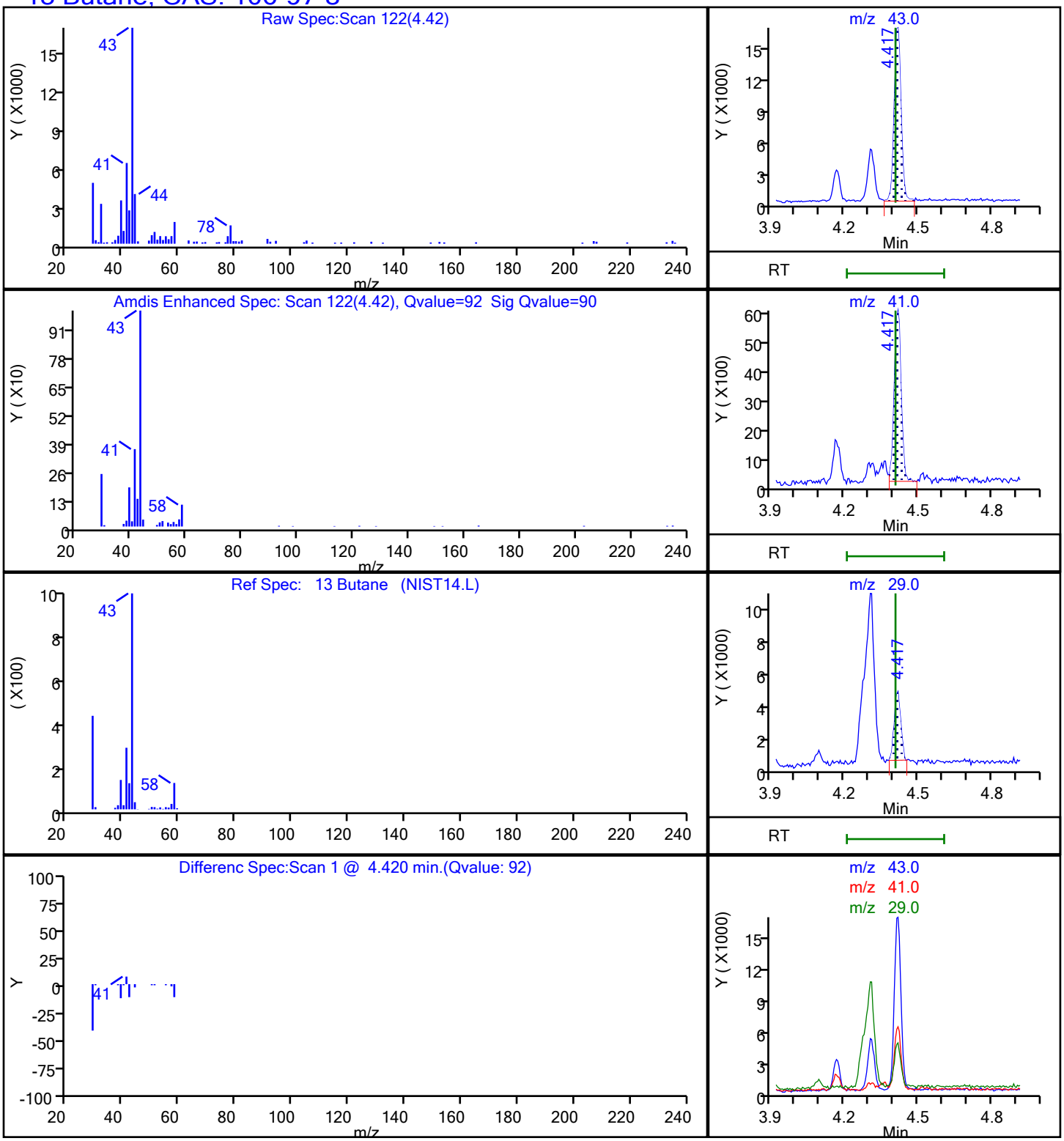
Report Date: 12-Feb-2021 16:30:31 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P109.D

Injection Date:	12-Feb-2021 03:13:30	Instrument ID:	MH		
Lims ID:	140-21885-A-6	Lab Sample ID:	140-21885-6		
Client ID:	GPEC-XX 020421				
Operator ID:	HMT	ALS Bottle#:	9	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

13 Butane, CAS: 106-97-8

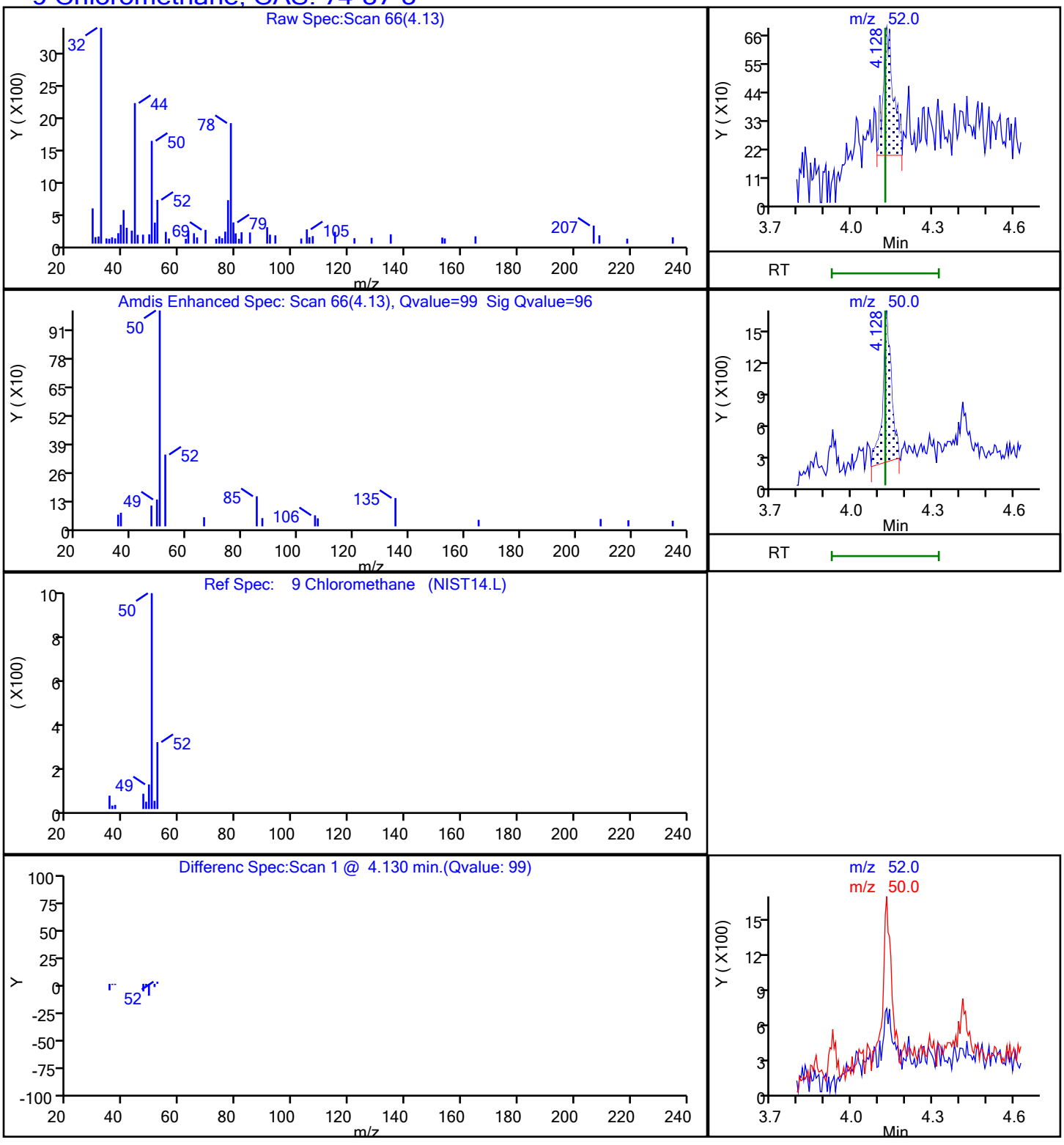


Report Date: 12-Feb-2021 16:30:31 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P109.D				
Injection Date:	12-Feb-2021 03:13:30	Instrument ID:	MH		
Lims ID:	140-21885-A-6	Lab Sample ID:	140-21885-6		
Client ID:	GPEC-XX 020421				
Operator ID:	HMT	ALS Bottle#:	9	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MH_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-Feb-2021 16:30:31 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P109.D

Injection Date: 12-Feb-2021 03:13:30 Instrument ID: MH

Lims ID: 140-21885-A-6 Lab Sample ID: 140-21885-6

Client ID: GPEC-XX 020421

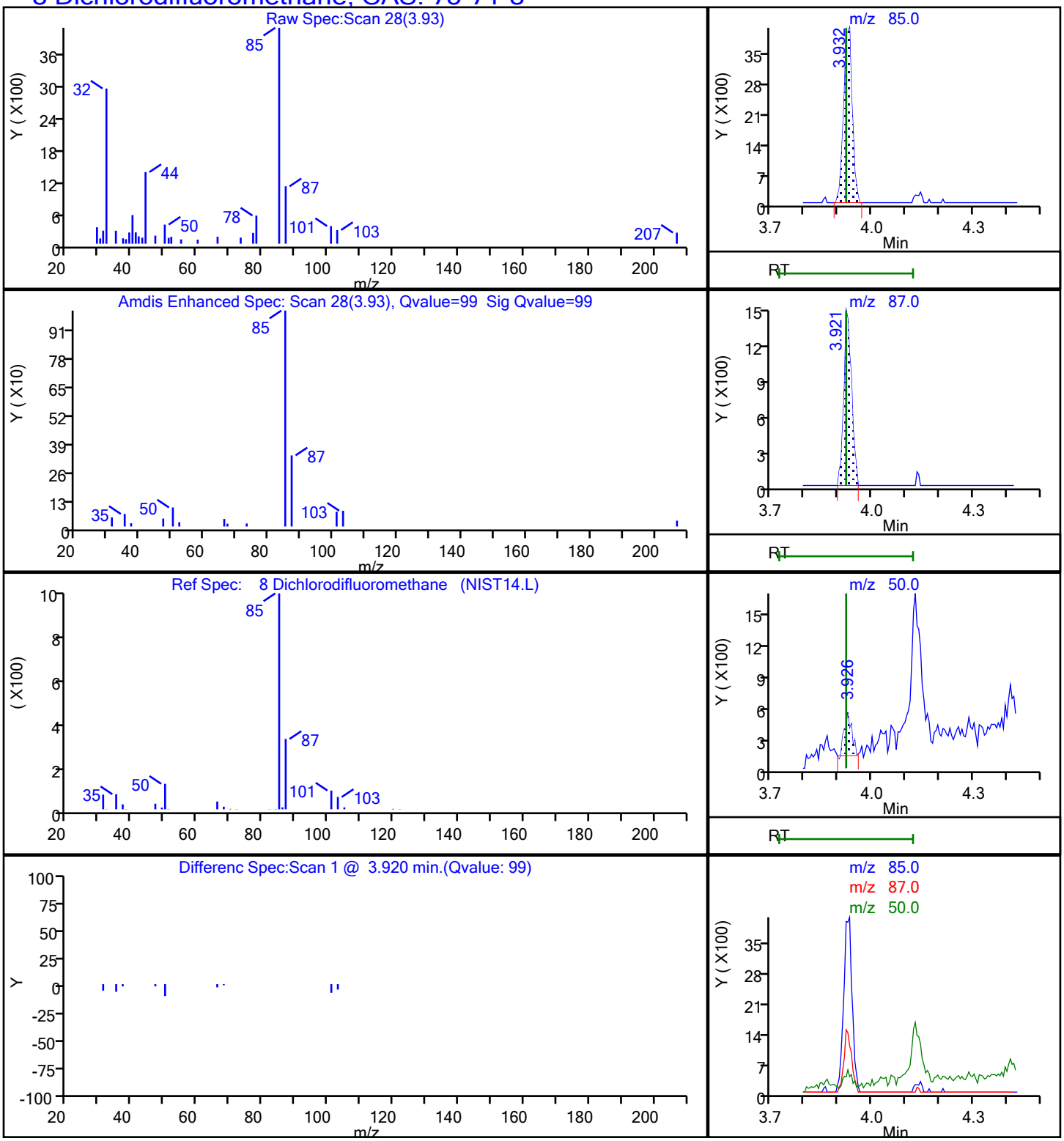
Operator ID: HMT ALS Bottle#: 9 Worklist Smp#: 20

Purge Vol: 500.000 mL Dil. Factor: 1.0000

Method: MH_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

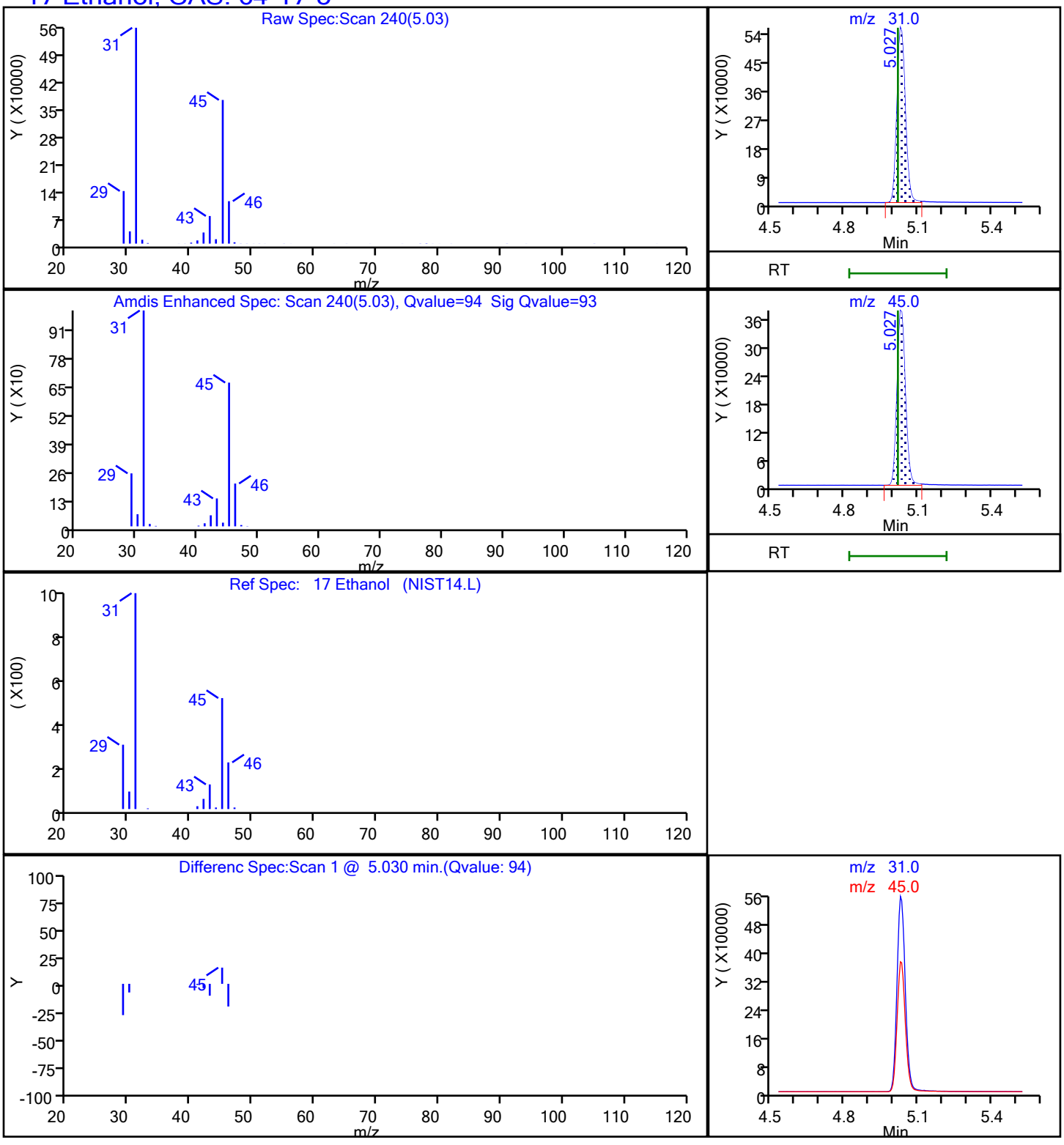
8 Dichlorodifluoromethane, CAS: 75-71-8



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P109.D		
Injection Date:	12-Feb-2021 03:13:30	Instrument ID:	MH
Lims ID:	140-21885-A-6	Lab Sample ID:	140-21885-6
Client ID:	GPEC-XX 020421		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

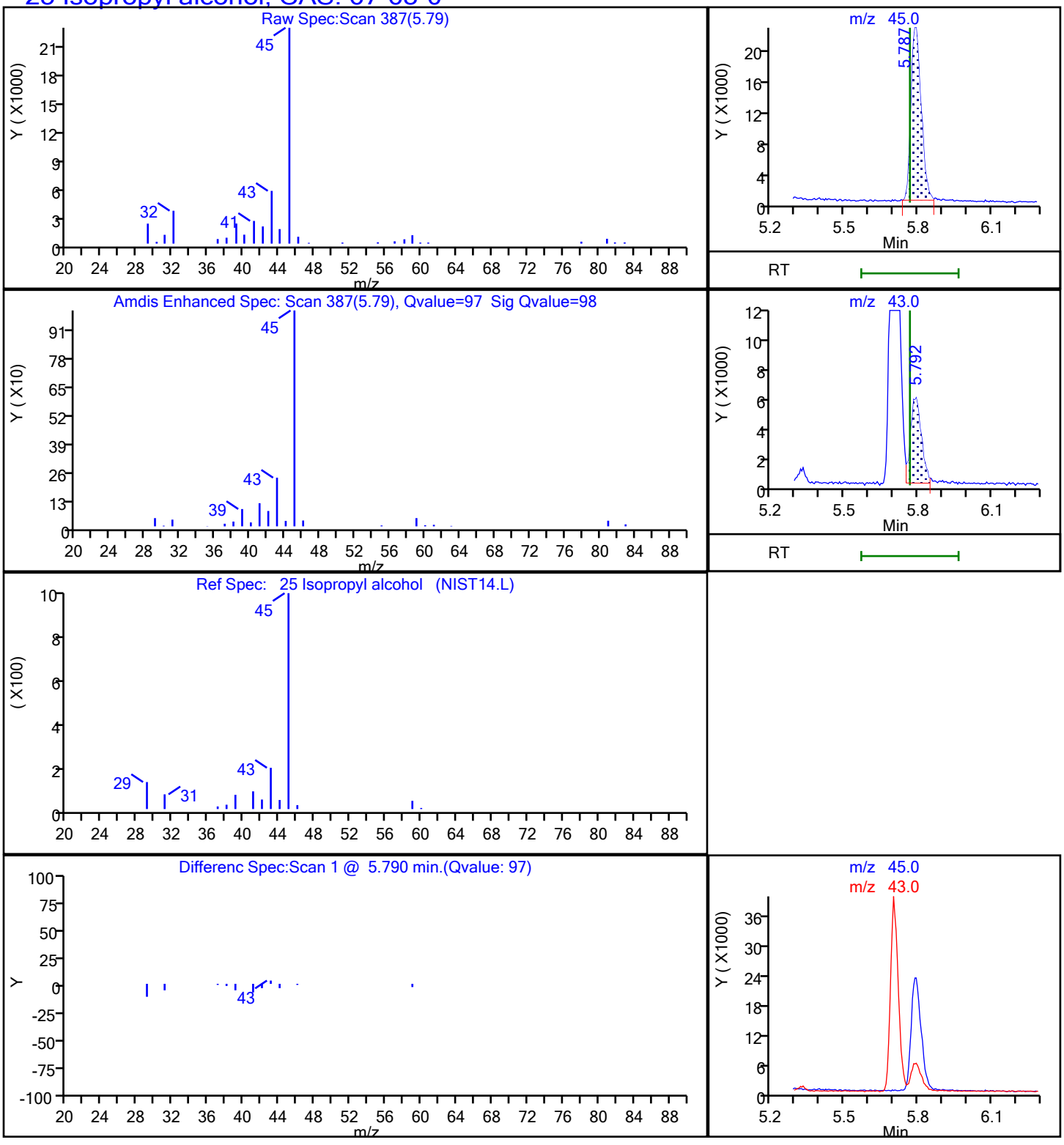
17 Ethanol, CAS: 64-17-5



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P109.D		
Injection Date:	12-Feb-2021 03:13:30	Instrument ID:	MH
Lims ID:	140-21885-A-6	Lab Sample ID:	140-21885-6
Client ID:	GPEC-XX 020421		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

25 Isopropyl alcohol, CAS: 67-63-0



Report Date: 12-Feb-2021 16:30:32 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

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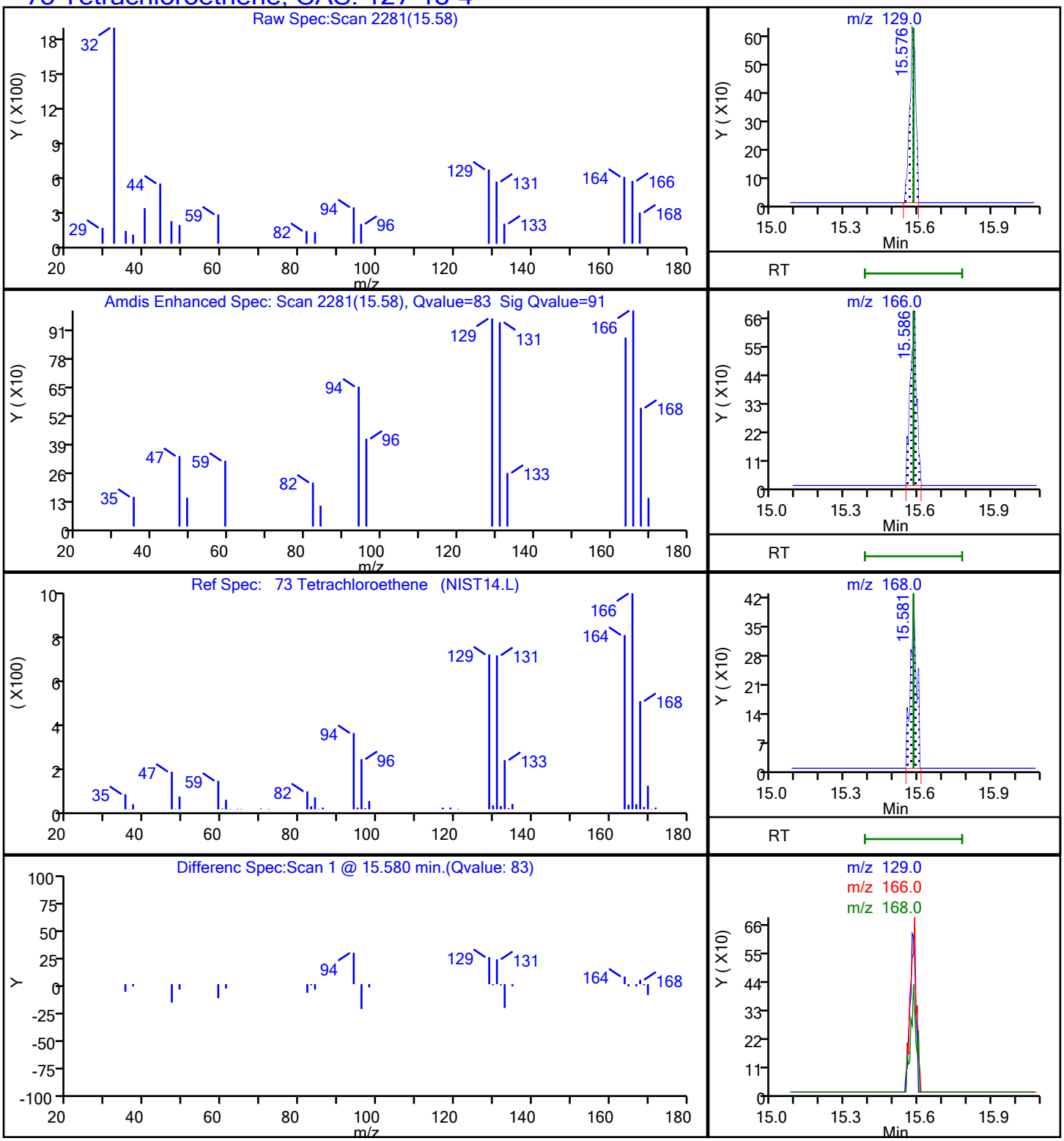
Injection Date:	12-Feb-2021 03:13:30	Instrument ID:	MH		
Lims ID:	140-21885-A-6	Lab Sample ID:	140-21885-6		
Client ID:	GPEC-XX 020421				
Operator ID:	HMT	ALS Bottle#:	9	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

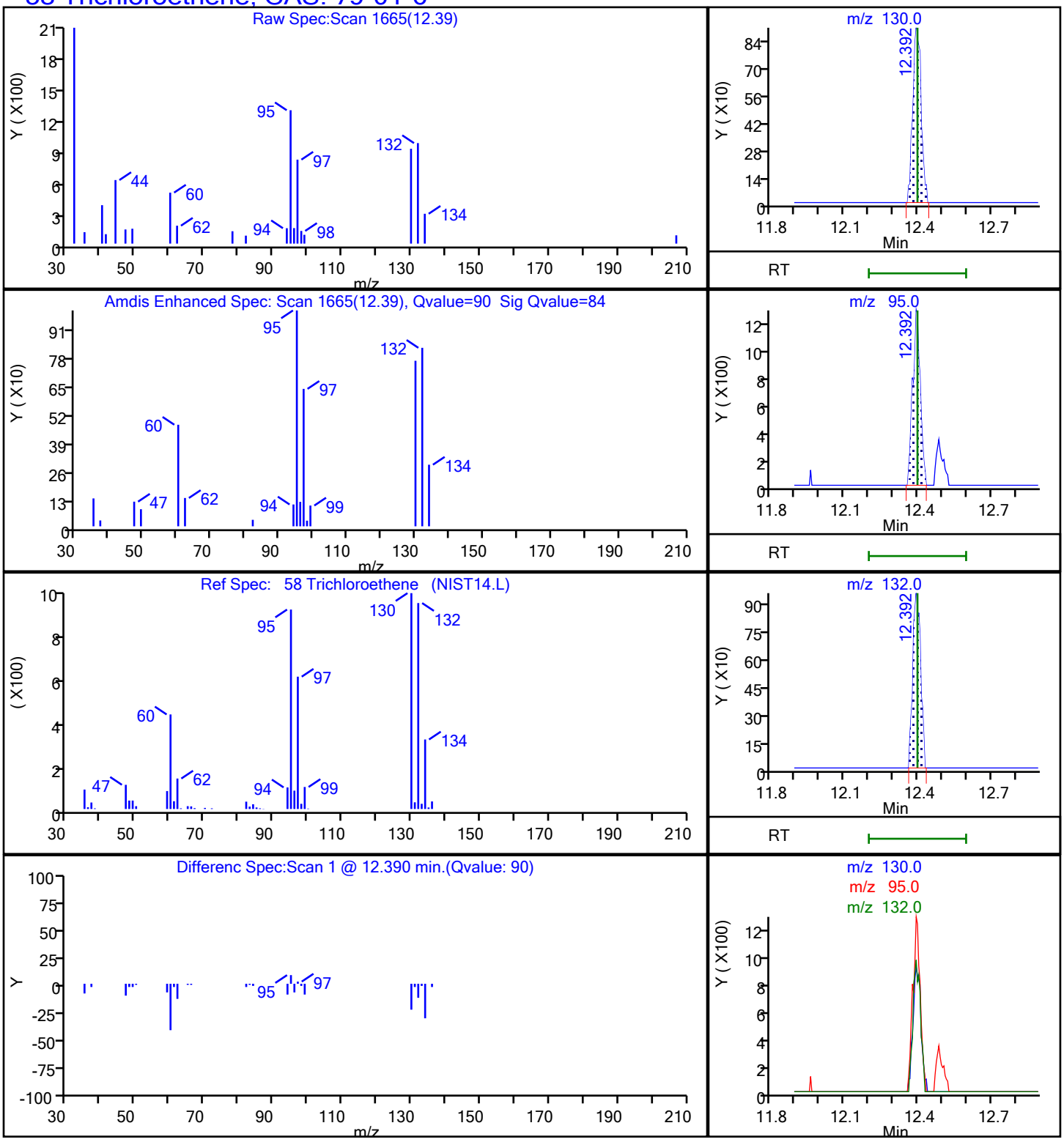
73 Tetrachloroethene, CAS: 127-18-4



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P109.D		
Injection Date:	12-Feb-2021 03:13:30	Instrument ID:	MH
Lims ID:	140-21885-A-6	Lab Sample ID:	140-21885-6
Client ID:	GPEC-XX 020421		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

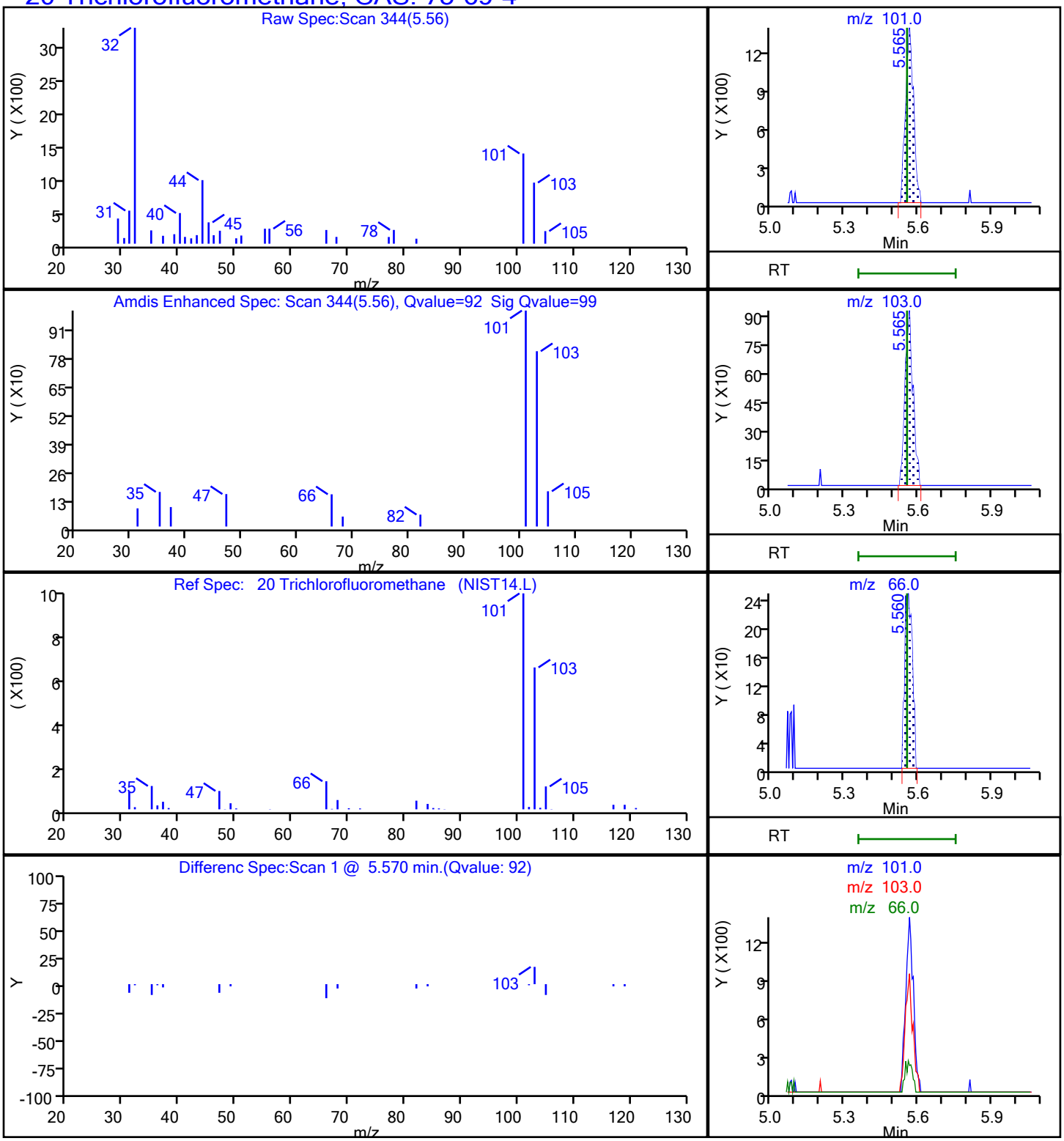
58 Trichloroethene, CAS: 79-01-6



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HB11P109.D				
Injection Date:	12-Feb-2021 03:13:30	Instrument ID:	MH		
Lims ID:	140-21885-A-6	Lab Sample ID:	140-21885-6		
Client ID:	GPEC-XX 020421				
Operator ID:	HMT	ALS Bottle#:	9	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

20 Trichlorofluoromethane, CAS: 75-69-4



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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-46776/9	HXB08IC01.D
Level 2	IC 140-46776/10	HXB08IC02.D
Level 3	IC 140-46776/11	HXB08IC03.D
Level 4	IC 140-46776/12	HXB08IC04.D
Level 5	IC 140-46776/13	HXB08IC05.D
Level 6	IC 140-46776/14	HXB08IC06.D
Level 7	ICIS 140-46776/15	HXB08IC07.D
Level 8	IC 140-46776/7	HXB08IC08.D
Level 9	IC 140-46776/5	HXB08IC09.D
Level 10	IC 140-46776/3	HXB08IC10.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	+++++ 1.7804	1.7536 1.7853	1.8710 1.7321	1.7902 1.6888	1.8096 1.6048	Ave		1.7573				4.3		30.0			
Propene	+++++ 0.7395	+++++ 0.7341	+++++ 0.7203	+++++ 0.6984	0.7567 0.6602	Ave		0.7182				4.8		30.0			
Dichlorodifluoromethane	+++++ 3.6358	3.9709 3.6485	3.7367 3.5497	3.7426 3.5284	3.6886 3.3414	Ave		3.6492				4.8		30.0			
Chloromethane	+++++ 0.2804	+++++ 0.2690	+++++ 0.2616	0.3474 0.2465	0.3070 0.2232	Ave		0.2764				14.8		30.0			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	+++++ 2.7220	2.9559 2.6678	2.7146 2.5674	2.7643 2.4853	2.7678 2.3179	Ave		2.6626				6.9		30.0			
Vinyl chloride	+++++ 1.0746	1.2704 1.0546	1.1893 1.0283	1.1386 0.9894	1.1038 0.9314	Ave		1.0867				9.5		30.0			
Butane	+++++ 1.1672	1.2424 1.1328	1.2672 1.1147	1.2501 1.0764	1.2072 1.0056	Ave		1.1626				7.6		30.0			
1,3-Butadiene	+++++ 0.6943	+++++ 0.6817	0.6748 0.6617	0.6984 0.6458	0.7202 0.6042	Ave		0.6727				5.3		30.0			
Bromomethane	+++++ 1.2974	+++++ 1.2721	1.4258 1.2368	1.3643 1.2076	1.3223 1.1544	Ave		1.2851				6.8		30.0			
Chloroethane	+++++ 0.4516	+++++ 0.4423	0.4574 0.4291	0.5187 0.4191	0.4887 0.4001	Ave		0.4509				8.5		30.0			
Ethanol	+++++ 0.4033	0.4191 0.4228	0.4118 0.3999	0.4193 0.3812	0.4108 0.3555	Ave		0.4026				5.4		30.0			
Vinyl bromide	+++++ 1.3424	1.5024 1.3447	1.3881 1.2941	1.3383 1.2801	1.3503 1.2347	Ave		1.3417				5.6		30.0			
2-Methylbutane	+++++ 1.1377	+++++ 1.1517	1.1353 1.0924	1.1655 1.0685	1.1469 1.0113	Ave		1.1137				4.7		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.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

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								
Trichlorofluoromethane	+++++ 3.5261	3.6521 3.5270	3.4801 3.4419	3.4957 3.3843	3.5918 3.3201	Ave		3.4910				2.9		30.0			
Acrolein	+++++ 0.3715	+++++ 0.3646	+++++ 0.3534	0.4065 0.3550	0.3654 0.3281	Ave		0.3635				6.5		30.0			
Acetonitrile	+++++ 0.4220	+++++ 0.4161	+++++ 0.4093	0.3592 0.3929	0.4414 0.3744	Ave		0.4022				7.1		30.0			
Acetone	+++++ 0.5959	+++++ 0.5112	+++++ 0.4707	0.6190 0.4669	0.5467 0.4396	Ave		0.5214				13.1		30.0			
Isopropyl alcohol	+++++ 1.2478	+++++ 1.2961	1.2149 1.2457	1.2628 1.2052	1.2235 1.1281	Ave		1.2280				4.0		30.0			
Pentane	+++++ 0.1354	+++++ 0.1314	0.1428 0.1273	0.1328 0.1262	0.1325 0.1209	Ave		0.1312				5.0		30.0			
Ethyl ether	+++++ 1.0313	+++++ 1.0449	1.0442 1.0075	1.0427 0.9788	1.0346 0.9243	Ave		1.0135				4.2		30.0			
1,1-Dichloroethene	+++++ 1.3310	1.4346 1.3220	1.3580 1.2884	1.3536 1.2692	1.3491 1.2277	Ave		1.3260				4.5		30.0			
tert-Butyl alcohol	+++++ 1.6340	1.7068 1.6642	1.5748 1.5850	1.5862 1.5199	1.6150 1.4407	Ave		1.5918				4.9		30.0			
Acrylonitrile	+++++ 0.7940	+++++ 0.7865	0.8711 0.7737	0.8152 0.7499	0.7646 0.7310	Ave		0.7857				5.5		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 2.9570	3.1323 2.9535	2.9581 2.8873	2.9223 2.8580	2.9920 2.8101	Ave		2.9412				3.1		30.0			
Methylene Chloride	+++++ 1.2498	+++++ 1.2541	+++++ 1.1901	1.2920 1.1719	1.2887 1.1366	Ave		1.2262				4.9		30.0			
3-Chloropropene	+++++ 0.8803	+++++ 0.8871	0.9659 0.8596	0.9393 0.8298	0.8696 0.8043	Ave		0.8795				6.0		30.0			
Carbon disulfide	+++++ 3.8614	+++++ 3.8703	3.7640 3.8479	3.8175 3.7609	3.8584 3.6342	Ave		3.8018				2.1		30.0			
trans-1,2-Dichloroethene	+++++ 1.3097	+++++ 1.3249	1.2938 1.3103	1.2876 1.3010	1.2991 1.2735	Ave		1.3000				1.2		30.0			
2-Methylpentane	+++++ 2.3185	+++++ 2.2889	2.2440 2.2224	2.3236 2.1767	2.3203 2.0116	Ave		2.2382				4.7		30.0			
Methyl tert-butyl ether	+++++ 2.9235	+++++ 2.9316	2.8616 2.8567	2.9089 2.7766	2.9425 2.6897	Ave		2.8614				3.1		30.0			
1,1-Dichloroethane	+++++ 2.2752	2.3806 2.2725	2.3379 2.2133	2.2850 2.1642	2.2716 2.0913	Ave		2.2546				3.9		30.0			
Vinyl acetate	+++++ 2.4875	+++++ 2.5759	2.3091 2.6029	2.3619 2.5904	2.4649 2.5486	Ave		2.4926				4.4		30.0			
2-Butanone (MEK)	+++++ 0.6103	+++++ 0.5859	0.6453 0.5803	0.6370 0.5718	0.6000 0.5559	Ave		0.5983				5.2		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.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

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								
Hexane	+++++ 0.8030	+++++ 0.8050	0.8946 0.7947	0.8174 0.7818	0.8187 0.7580	Ave		0.8092				4.9		30.0			
cis-1,2-Dichloroethene	+++++ 1.3966	1.4465 1.3968	1.3624 1.3671	1.3934 1.3555	1.3902 1.3222	Ave		1.3812				2.5		30.0			
Ethyl acetate	+++++ 2.3915	2.5194 2.3959	2.3853 2.3523	2.3182 2.3173	2.3634 2.2410	Ave		2.3649				3.2		30.0			
Chloroform	+++++ 3.0508	3.3655 3.0639	3.1512 2.9947	3.0440 2.9734	3.0807 2.9109	Ave		3.0706				4.2		30.0			
Tetrahydrofuran	+++++ 1.1668	+++++ 1.1734	1.1897 1.1520	1.1644 1.1310	1.1524 1.0924	Ave		1.1528				2.6		30.0			
1,1,1-Trichloroethane	+++++ 2.8206	2.9160 2.8252	2.8711 2.7951	2.7780 2.7808	2.8197 2.7507	Ave		2.8175				1.8		30.0			
1,2-Dichloroethane	+++++ 0.3797	0.4090 0.3820	0.3887 0.3700	0.3744 0.3670	0.3736 0.3645	Ave		0.3788				3.6		30.0			
1-Butanol	+++++ 0.0840	+++++ 0.0883	0.0880 0.0874	0.0841 0.0870	0.0826 0.0859	Ave		0.0859				2.5		30.0			
Cyclohexane	+++++ 0.1306	+++++ 0.1299	0.1298 0.1306	0.1320 0.1301	0.1329 0.1296	Ave		0.1307				0.9		30.0			
Benzene	+++++ 0.8665	0.9709 0.8751	0.8931 0.8691	0.8896 0.8781	0.8752 0.8776	Ave		0.8883				3.6		30.0			
Carbon tetrachloride	0.6285 0.6216	0.5729 0.6623	0.5784 0.6636	0.6122 0.6358	0.5945 0.7142	Ave		0.6284				6.9		30.0			
2,3-Dimethylpentane	+++++ 0.1779	0.1846 0.1795	0.1802 0.1753	0.1804 0.1754	0.1755 0.1774	Ave		0.1785				1.7		30.0			
Thiophene	+++++ 0.5054	0.5217 0.5136	0.5036 0.5010	0.5048 0.5035	0.5069 0.5090	Ave		0.5077				1.3		30.0			
2,2,4-Trimethylpentane	+++++ 1.2120	1.2947 1.2134	1.2066 1.1927	1.1977 1.1974	1.2100 1.2002	Ave		1.2139				2.6		30.0			
Heptane	+++++ 0.2746	0.2763 0.2764	0.2645 0.2695	0.2617 0.2733	0.2739 0.2792	Ave		0.2722				2.1		30.0			
1,2-Dichloropropane	+++++ 0.3494	0.3872 0.3546	0.3518 0.3473	0.3518 0.3470	0.3553 0.3518	Ave		0.3551				3.5		30.0			
Trichloroethene	0.5058 0.3824	0.4159 0.3807	0.3819 0.3806	0.3781 0.3906	0.3797 0.4109	Ave		0.4006				9.8		30.0			
Dibromomethane	+++++ 0.4215	+++++ 0.4264	0.4428 0.4213	0.4314 0.4286	0.4296 0.4442	Ave		0.4307				2.0		30.0			
1,4-Dioxane	+++++ 0.1286	+++++ 0.1382	0.1304 0.1347	0.1298 0.1334	0.1284 0.1340	Ave		0.1322				2.6		30.0			
Bromodichloromethane	0.7328 0.6693	0.6507 0.6853	0.6187 0.6905	0.6385 0.6975	0.6433 0.7232	Ave		0.6750				5.6		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.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

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								
Methyl methacrylate	+++++ 0.3076	0.3096 0.3133	0.2926 0.3122	0.2951 0.3106	0.2886 0.3104	Ave		0.3044				3.1		30.0			
Methylcyclohexane	0.5892 0.5225	0.5339 0.5307	0.4989 0.5246	0.5064 0.5315	0.5210 0.5449	Ave		0.5303				4.6		30.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.5846	+++++ 0.5960	0.5638 0.5897	0.5690 0.5854	0.5795 0.5907	Ave		0.5823				1.9		30.0			
cis-1,3-Dichloropropene	0.5620 0.4920	0.4625 0.5064	0.4448 0.5062	0.4546 0.5174	0.4755 0.5315	Ave		0.4953				7.4		30.0			
trans-1,3-Dichloropropene	0.5466 0.5029	0.4733 0.5208	0.4661 0.5190	0.4588 0.5244	0.4731 0.5284	Ave		0.5013				6.2		30.0			
Toluene	+++++ 1.2499	1.4684 1.2556	1.3050 1.2374	1.2747 1.2414	1.2428 1.2450	Ave		1.2800				5.8		30.0			
1,1,2-Trichloroethane	+++++ 0.4283	0.4652 0.4281	0.4335 0.4202	0.4219 0.4209	0.4219 0.4243	Ave		0.4294				3.3		30.0			
2-Hexanone	+++++ 0.3309	0.3081 0.3451	0.3039 0.3477	0.2983 0.3455	0.3191 0.3491	Ave		0.3275				6.3		30.0			
Octane	+++++ 0.3187	0.3005 0.3197	0.2980 0.3183	0.2933 0.3205	0.3100 0.3269	Ave		0.3118				3.8		30.0			
C8 Range	+++++ 2.5896	+++++ 2.4917	2.4292 2.4517	2.4242 2.4646	2.4717 2.4737	Ave		2.4746				2.1		30.0			
Dibromochloromethane	0.7488 0.7945	0.6632 0.8255	0.6586 0.8477	0.7055 0.8693	0.7325 0.9005	Ave		0.7746				11.1		30.0			
1,2-Dibromoethane (EDB)	+++++ 0.7212	0.7272 0.7303	0.6921 0.7356	0.6926 0.7482	0.7014 0.7641	Ave		0.7236				3.4		30.0			
Tetrachloroethene	+++++ 0.4787	0.5158 0.4716	0.4684 0.4806	0.4685 0.4916	0.4680 0.5008	Ave		0.4827				3.5		30.0			
Chlorobenzene	+++++ 0.9464	1.1077 0.9555	0.9907 0.9662	0.9624 0.9837	0.9518 0.9898	Ave		0.9838				5.0		30.0			
Ethylbenzene	+++++ 1.5963	1.7564 1.6035	1.5788 1.6043	1.5902 1.6239	1.5585 1.6274	Ave		1.6155				3.5		30.0			
m-Xylene & p-Xylene	+++++ 1.2560	1.3657 1.2868	1.2732 1.3003	1.2457 1.3147	1.2382 1.2590	Ave		1.2822				3.1		30.0			
Nonane	0.7674 0.6764	0.6619 0.6803	0.6336 0.6762	0.6337 0.6745	0.6590 0.6618	Ave		0.6725				5.5		30.0			
Styrene	0.9930 0.8663	0.8395 0.9003	0.8059 0.9497	0.7999 0.9731	0.8190 0.9244	Ave		0.8871				8.0		30.0			
Bromoform	+++++ 0.8270	+++++ 0.8945	0.5913 1.0016	0.6830 1.0695	0.6965 1.0661	Ave		0.8537				21.6		30.0			
o-Xylene	+++++ 1.3203	1.4599 1.3288	1.3127 1.3145	1.3006 1.3432	1.2857 1.3483	Ave		1.3349				3.8		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.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

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								
1,1,2,2-Tetrachloroethane	+++++ 1.0572	1.0775 1.0778	1.0200 1.0793	1.0166 1.0851	1.0346 1.0959	Ave		1.0605				2.8		30.0			
1,2,3-Trichloropropane	+++++ 0.2099	0.2005 0.2140	0.2055 0.2139	0.2116 0.2168	0.2072 0.2254	Ave		0.2116				3.4		30.0			
Isopropylbenzene	+++++ 1.7088	1.8571 1.7010	1.7316 1.7324	1.6778 1.7587	1.6600 1.7529	Ave		1.7311				3.3		30.0			
Propylbenzene	0.5154 0.4536	0.4192 0.4542	0.4297 0.4659	0.4247 0.4853	0.4291 0.5039	Ave		0.4581				7.5		30.0			
2-Chlorotoluene	+++++ 0.4331	0.4866 0.4315	0.4367 0.4378	0.4299 0.4545	0.4175 0.4757	Ave		0.4448				5.1		30.0			
4-Ethyltoluene	+++++ 1.7273	1.7931 1.7396	1.6882 1.7755	1.6648 1.8222	1.6710 1.8197	Ave		1.7446				3.5		30.0			
1,3,5-Trimethylbenzene	0.8117 0.6726	0.7000 0.6797	0.6447 0.6963	0.6509 0.7166	0.6489 0.7438	Ave		0.6965				7.4		30.0			
Alpha Methyl Styrene	0.7129 0.6935	0.6183 0.7155	0.6029 0.7536	0.6122 0.7980	0.6353 0.8400	Ave		0.6982				11.7		30.0			
Decane	0.9769 0.8993	0.8237 0.9114	0.8219 0.9067	0.8744 0.8986	0.8793 0.8622	Ave		0.8854				5.1		30.0			
tert-Butylbenzene	1.7883 1.5230	1.5504 1.5550	1.4383 1.5996	1.4676 1.6402	1.4686 1.5509	Ave		1.5582				6.5		30.0			
1,2,4-Trimethylbenzene	+++++ 1.5305	1.5440 1.5678	1.4993 1.6095	1.4912 1.6500	1.4567 1.5538	Ave		1.5448				3.9		30.0			
sec-Butylbenzene	2.6030 2.1724	2.1766 2.2103	2.0292 2.2703	2.0985 2.3050	2.0896 2.1680	Ave		2.2123				7.2		30.0			
1,3-Dichlorobenzene	+++++ 0.9286	1.0599 0.9559	0.9590 1.0203	0.9297 1.0926	0.8867 1.1479	Ave		0.9979				8.7		30.0			
Benzyl chloride	+++++ 1.0427	+++++ 1.1180	0.8139 1.2066	0.8431 1.3211	0.9004 1.3446	Ave		1.0738				19.5		30.0			
1,4-Dichlorobenzene	+++++ 0.8998	1.0601 0.9279	0.9319 1.0038	0.8832 1.0805	0.8611 1.1215	Ave		0.9744				9.7		30.0			
4-Isopropyltoluene	+++++ 1.7346	1.6771 1.7613	1.6324 1.8124	1.6180 1.8613	1.6386 1.8188	Ave		1.7283				5.3		30.0			
1,2,3-Trimethylbenzene	1.6923 1.5303	1.4916 1.5459	1.4437 1.5879	1.4740 1.6329	1.4637 1.6468	Ave		1.5509				5.5		30.0			
Indane	1.6779 1.4240	1.3506 1.4587	1.2979 1.5390	1.3408 1.5840	1.3365 1.4425	Ave		1.4452				8.5		30.0			
1,2-Dichlorobenzene	+++++ 0.9612	1.0949 0.9788	0.9860 1.0471	0.9552 1.1021	0.9145 1.0430	Ave		1.0092				6.5		30.0			
Butylbenzene	2.2210 1.9483	1.8206 1.9800	1.7654 2.0386	1.8279 2.0472	1.8076 1.8320	Ave		1.9289				7.5		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.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

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								
Indene	1.2775 1.1604	1.0576 1.2032	1.0622 1.2889	1.0724 1.3517	1.0816 1.2959	Ave		1.1851				9.5		30.0			
Undecane	0.9931 1.0490	0.8724 1.0499	0.9207 1.0708	0.9731 1.0682	0.9812 0.9912	Ave		0.9970				6.5		30.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.4825	+++++ 0.5181	0.3435 0.5705	0.3927 0.6130	0.4042 0.6548	Ave		0.4974				22.5		30.0			
1,2,4,5-Tetramethylbenzene	1.9131 1.6594	1.6016 1.7297	1.5793 1.7945	1.5981 1.8550	1.5294 1.8154	Ave		1.7076				7.7		30.0			
Dodecane	1.0275 1.0820	0.9484 1.0398	0.9983 1.1064	1.0825 1.1054	1.0138 1.0066	Ave		1.0411				5.0		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7473	0.7414 0.7880	0.6616 0.8880	0.6618 0.9499	0.6187 0.9707	Ave		0.7808				16.5		30.0			
Naphthalene	+++++ 1.7620	1.8934 1.7639	1.7524 1.8929	1.6641 1.8599	1.4964 1.7010	Ave		1.7540				7.2		30.0			
Hexachlorobutadiene	+++++ 1.1199	1.3120 1.0531	1.2787 0.9899	1.2884 0.8928	1.0880 0.7535	Ave		1.0862				17.5		30.0			
1,2,3-Trichlorobenzene	+++++ 0.7778	0.9759 0.7678	0.8625 0.7980	0.8016 0.7580	0.7038 0.6823	Ave		0.7920				11.0		30.0			
2-Methylnaphthalene	+++++ 0.3514	+++++ 0.3832	0.3866 0.4798	0.3408 0.5019	0.2975 0.4753	Ave		0.4021				18.6		50.0			
1-Methylnaphthalene	+++++ 0.6060	+++++ 0.5994	0.7402 0.6616	0.6794 0.6338	0.5928 0.5589	Ave		0.6340				9.1		50.0			
4-Bromofluorobenzene (Surr)	0.7690 0.7969	0.7694 0.8017	0.7786 0.8167	0.7788 0.8254	0.7787 0.8465	Ave		0.7962				3.3		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.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-46776/9	HXB08IC01.D
Level 2	IC 140-46776/10	HXB08IC02.D
Level 3	IC 140-46776/11	HXB08IC03.D
Level 4	IC 140-46776/12	HXB08IC04.D
Level 5	IC 140-46776/13	HXB08IC05.D
Level 6	IC 140-46776/14	HXB08IC06.D
Level 7	ICIS 140-46776/15	HXB08IC07.D
Level 8	IC 140-46776/7	HXB08IC08.D
Level 9	IC 140-46776/5	HXB08IC09.D
Level 10	IC 140-46776/3	HXB08IC10.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	+++++ 158926	6332 327932	13250 655485	25635 1289519	63027 2387227	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Propene	CBM	Ave	+++++ 66014	+++++ 134836	+++++ 272586	+++++ 533285	26355 982045	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
Dichlorodifluoromethane	CBM	Ave	+++++ 324550	14338 670175	26462 1343312	53592 2694238	128470 4970700	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloromethane	CBM	Ave	+++++ 25032	+++++ 49412	+++++ 98990	4974 188193	10693 331972	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	CBM	Ave	+++++ 242979	10673 490045	19224 971581	39583 1897759	96399 3448118	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl chloride	CBM	Ave	+++++ 95922	4587 193713	8422 389159	16304 755501	38446 1385537	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Butane	CBM	Ave	+++++ 104190	4486 208078	8974 421845	17901 821934	42046 1496000	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,3-Butadiene	CBM	Ave	+++++ 61979	+++++ 125214	4779 250396	10001 493150	25085 898855	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromomethane	CBM	Ave	+++++ 115817	+++++ 233672	10097 468057	19536 922125	46054 1717253	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroethane	CBM	Ave	+++++ 40314	+++++ 81253	3239 162386	7428 319991	17022 595117	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethanol	CBM	Ave	+++++ 180002	7566 388340	14580 756664	30024 1455437	71532 2644290	+++++ 5.00	0.200 10.0	0.400 20.0	0.800 40.0	2.00 80.0
Vinyl bromide	CBM	Ave	+++++ 119833	5425 246998	9830 489748	19163 977471	47030 1836802	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylbutane	CBM	Ave	+++++ 101559	+++++ 211551	8040 413401	16689 815921	39946 1504383	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Trichlorofluoromethane	CBM	Ave	+++++	13187	24645	50056	125100	+++++	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.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

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
			314761	647870	1302520	2584227	4938974	1.00	2.00	4.00	8.00	16.0
Acrolein	CBM	Ave	+++++	+++++	+++++	5821	12725	+++++	+++++	+++++	0.160	0.400
			33166	66974	133746	271077	488061	1.00	2.00	4.00	8.00	16.0
Acetonitrile	CBM	Ave	+++++	+++++	+++++	5143	15373	+++++	+++++	+++++	0.160	0.400
			37669	76441	154896	300003	556961	1.00	2.00	4.00	8.00	16.0
Acetone	CBM	Ave	+++++	+++++	+++++	26590	57121	+++++	+++++	+++++	0.480	1.20
			159570	281680	534441	1069541	1961794	3.00	6.00	12.0	24.0	48.0
Isopropyl alcohol	CBM	Ave	+++++	+++++	25811	54249	127836	+++++	+++++	0.240	0.480	1.20
			334151	714227	1414297	2760788	5034463	3.00	6.00	12.0	24.0	48.0
Pentane	CBM	Ave	+++++	+++++	1011	1902	4614	+++++	+++++	0.0800	0.160	0.400
			12084	24139	48171	96394	179777	1.00	2.00	4.00	8.00	16.0
Ethyl ether	CBM	Ave	+++++	+++++	7395	14931	36034	+++++	+++++	0.0800	0.160	0.400
			92057	191927	381290	747426	1374943	1.00	2.00	4.00	8.00	16.0
1,1-Dichloroethene	CBM	Ave	+++++	5180	9617	19383	46989	+++++	0.0400	0.0800	0.160	0.400
			118813	242833	487585	969113	1826332	1.00	2.00	4.00	8.00	16.0
tert-Butyl alcohol	CBM	Ave	+++++	6163	11152	22714	56250	+++++	0.0400	0.0800	0.160	0.400
			145857	305686	599803	1160550	2143162	1.00	2.00	4.00	8.00	16.0
Acrylonitrile	CBM	Ave	+++++	+++++	6169	11673	26631	+++++	+++++	0.0800	0.160	0.400
			70873	144478	292797	572581	1087381	1.00	2.00	4.00	8.00	16.0
1,1,2-Trichloro-1,2,2-trifluoroethane	CBM	Ave	+++++	11310	20948	41845	104210	+++++	0.0400	0.0800	0.160	0.400
			263960	542512	1092657	2182318	4180355	1.00	2.00	4.00	8.00	16.0
Methylene Chloride	CBM	Ave	+++++	+++++	+++++	18500	44883	+++++	+++++	+++++	0.160	0.400
			111563	230359	450378	894815	1690789	1.00	2.00	4.00	8.00	16.0
3-Chloropropene	CBM	Ave	+++++	+++++	6840	13450	30288	+++++	+++++	0.0800	0.160	0.400
			78583	162950	325303	633603	1196438	1.00	2.00	4.00	8.00	16.0
Carbon disulfide	CBM	Ave	+++++	+++++	26655	54664	134383	+++++	+++++	0.0800	0.160	0.400
			344690	710925	1456167	2871795	5406253	1.00	2.00	4.00	8.00	16.0
trans-1,2-Dichloroethene	CBM	Ave	+++++	+++++	9162	18438	45246	+++++	+++++	0.0800	0.160	0.400
			116913	243363	495860	993455	1894445	1.00	2.00	4.00	8.00	16.0
2-Methylpentane	CBM	Ave	+++++	+++++	15891	33272	80813	+++++	+++++	0.0800	0.160	0.400
			206962	420441	841041	1662075	2992380	1.00	2.00	4.00	8.00	16.0
Methyl tert-butyl ether	CBM	Ave	+++++	+++++	20265	41654	102486	+++++	+++++	0.0800	0.160	0.400
			260971	538494	1081076	2120189	4001158	1.00	2.00	4.00	8.00	16.0
1,1-Dichloroethane	CBM	Ave	+++++	8596	16556	32720	79117	+++++	0.0400	0.0800	0.160	0.400
			203098	417435	837579	1652575	3111035	1.00	2.00	4.00	8.00	16.0
Vinyl acetate	CBM	Ave	+++++	+++++	16352	33821	85849	+++++	+++++	0.0800	0.160	0.400
			222046	473155	985026	1977960	3791333	1.00	2.00	4.00	8.00	16.0
2-Butanone (MEK)	CBM	Ave	+++++	+++++	4570	9121	20898	+++++	+++++	0.0800	0.160	0.400
			54480	107616	219596	436638	826997	1.00	2.00	4.00	8.00	16.0
Hexane	CBM	Ave	+++++	+++++	6335	11705	28516	+++++	+++++	0.0800	0.160	0.400
			71684	147867	300740	596939	1127672	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.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

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
cis-1,2-Dichloroethene	CBM	Ave	+++++ 124669	5223 256573	9648 517342	19953 1035042	48420 1966834	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethyl acetate	CBM	Ave	+++++ 213474	9097 440100	16892 890205	33196 1769486	82315 3333687	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroform	CBM	Ave	+++++ 272331	12152 562793	22316 1133306	43588 2270430	107299 4330299	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrahydrofuran	CBM	Ave	+++++ 104152	+++++ 215535	8425 435957	16674 863627	40136 1625012	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,1-Trichloroethane	CBM	Ave	+++++ 251786	10529 518945	20332 1057768	39780 2123388	98209 4091883	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichloroethane	DFBZ	Ave	+++++ 158345	6971 325364	12940 653312	25222 1299596	61256 2444280	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1-Butanol	DFBZ	Ave	+++++ 35020	+++++ 75250	2930 154267	5665 308084	13536 576081	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Cyclohexane	DFBZ	Ave	+++++ 54456	+++++ 110683	4320 230529	8892 460551	21790 869034	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Benzene	DFBZ	Ave	+++++ 361368	16547 745387	29729 1534522	59937 3109055	143479 5884351	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon tetrachloride	DFBZ	Ave	5312 259224	9764 564152	19252 1171790	41246 2251040	97467 4788890	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	+++++ 74202	3146 152902	5997 309555	12153 620856	28779 1189422	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Thiophene	DFBZ	Ave	+++++ 210768	8891 437502	16764 884585	34013 1782800	83108 3412587	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 505457	22066 1033569	40164 2106066	80696 4239675	198365 8047357	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Heptane	DFBZ	Ave	+++++ 114502	4710 235442	8803 475871	17635 967670	44902 1872150	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichloropropane	DFBZ	Ave	+++++ 145704	6600 302049	11709 613307	23704 1228648	58248 2359153	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Trichloroethene	DFBZ	Ave	4275 159461	7089 324320	12711 671986	25473 1382898	62243 2755332	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Dibromomethane	DFBZ	Ave	+++++ 175783	+++++ 363246	14740 743853	29065 1517362	70432 2978107	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,4-Dioxane	DFBZ	Ave	+++++ 53621	+++++ 117701	4340 237801	8742 472245	21055 898805	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromodichloromethane	DFBZ	Ave	6194 279115	11090 583709	20594 1219247	43020 2469748	105460 4848917	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methyl methacrylate	DFBZ	Ave	+++++ 128298	5277 266858	9740 551345	19879 1099674	47316 2081340	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methylcyclohexane	DFBZ	Ave	4980 217888	9099 452028	16608 926388	34116 1881707	85415 3653570	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.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

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
4-Methyl-2-pentanone (MIBK)	DFBZ	Ave	+++++ 243812	+++++ 507713	18768 1041209	38334 2072600	95001 3960663	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
cis-1,3-Dichloropropene	DFBZ	Ave	4750 205183	7883 431358	14807 893824	30628 1832001	77962 3563723	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
trans-1,3-Dichloropropene	CBZd5	Ave	3961 182800	6936 390055	13325 807761	26671 1661671	67270 3242088	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Toluene	CBZd5	Ave	+++++ 454341	21520 940374	37305 1925650	74105 3933270	176734 7638962	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,2-Trichloroethane	CBZd5	Ave	+++++ 155675	6818 320605	12393 653984	24530 1333749	59992 2603239	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Hexanone	CBZd5	Ave	+++++ 120283	4516 258489	8688 541127	17341 1094781	45379 2141790	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Octane	CBZd5	Ave	+++++ 115847	4404 239463	8519 495285	17051 1015641	44089 2005907	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
C8 Range	DFBZ	Ave	+++++ 1080009	+++++ 2122437	80861 4329103	163330 8726395	405215 16586613	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Dibromochloromethane	CBZd5	Ave	5426 288777	9720 618283	18826 1319276	41018 2754312	104168 5525229	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dibromoethane (EDB)	CBZd5	Ave	+++++ 262150	10657 546959	19784 1144790	40263 2370598	99734 4688421	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrachloroethene	CBZd5	Ave	+++++ 173997	7559 353216	13391 747896	27235 1557528	66548 3072677	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chlorobenzene	CBZd5	Ave	+++++ 344022	16234 715634	28322 1503704	55951 3116709	135346 6073110	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethylbenzene	CBZd5	Ave	+++++ 580229	25741 1200945	45133 2496741	92450 5145303	221625 9985736	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
m-Xylene & p-Xylene	CBZd5	Ave	+++++ 913122	40031 1927446	72791 4047100	144849 8331382	352162 15450483	+++++ 2.00	0.0800 4.00	0.160 8.00	0.320 16.0	0.800 32.0
Nonane	CBZd5	Ave	5561 245862	9701 509547	18113 1052272	36843 2137110	93718 4060908	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Styrene	CBZd5	Ave	7196 314892	12304 674270	23037 1477907	46504 3083152	116458 5672222	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromoform	CBZd5	Ave	+++++ 300616	+++++ 669916	16903 1558700	39709 3388570	99039 6541357	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
o-Xylene	CBZd5	Ave	+++++ 479907	21396 995174	37527 2045648	75612 4255873	182826 8273343	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,2,2-Tetrachloroethane	CBZd5	Ave	+++++ 384277	15792 807217	29160 1679680	59105 3438125	147121 6724362	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,3-Trichloropropane	CBZd5	Ave	+++++ 76279	2939 160283	5874 332820	12304 686946	29461 1382765	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Isopropylbenzene	CBZd5	Ave	+++++ 621120	27218 1273945	49502 2695991	97541 5572569	236056 10755764	+++++ 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.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

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
Propylbenzene	CBZd5	Ave	3735 164867	6143 340202	12284 725130	24689 1537580	61014 3091933	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Chlorotoluene	CBZd5	Ave	+++++ 157431	7131 323146	12484 681361	24992 1439946	59369 2919123	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
4-Ethyltoluene	CBZd5	Ave	+++++ 627870	26279 1302892	48261 2763099	96787 5773550	237625 11165491	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,3,5-Trimethylbenzene	CBZd5	Ave	5882 244500	10259 509034	18430 1083628	37840 2270452	92275 4563579	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Alpha Methyl Styrene	CBZd5	Ave	5166 252081	9062 535890	17236 1172722	35589 2528480	90345 5153895	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Decane	CBZd5	Ave	7079 326880	12072 682611	23496 1411102	50834 2847244	125033 5290672	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
tert-Butylbenzene	CBZd5	Ave	12959 553600	22723 1164590	41117 2489405	85322 5196853	208844 9516321	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,4-Trimethylbenzene	CBZd5	Ave	+++++ 556314	22628 1174196	42859 2504787	86695 5228024	207150 9534201	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
sec-Butylbenzene	CBZd5	Ave	18863 789662	31900 1655399	58008 3533223	122003 7303447	297147 13302944	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,3-Dichlorobenzene	CBZd5	Ave	+++++ 337535	15534 715908	27416 1587895	54049 3461943	126091 7043349	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Benzyl chloride	CBZd5	Ave	+++++ 378996	+++++ 837318	23268 1877792	49016 4185787	128033 8250640	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,4-Dichlorobenzene	CBZd5	Ave	+++++ 327079	15536 694915	26640 1562181	51349 3423480	122453 6881627	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
4-Isopropyltoluene	CBZd5	Ave	+++++ 630514	24579 1319161	46666 2820510	94065 5897397	233008 11159834	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,3-Trimethylbenzene	CBZd5	Ave	12264 556253	21860 1157813	41271 2471108	85694 5173758	208143 10104406	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Indane	CBZd5	Ave	12159 517621	19794 1092511	37104 2395056	77948 5018915	190054 8851125	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	+++++ 349398	16046 733077	28186 1629622	55534 3492124	130045 6399866	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Butylbenzene	CBZd5	Ave	16095 708185	26683 1482939	50467 3172589	106269 6486592	257051 11241006	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Indene	CBZd5	Ave	9258 421788	15500 901113	30365 2005784	62348 4282753	153812 7951702	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Undecane	CBZd5	Ave	7197 381299	12785 786346	26319 1666408	56576 3384721	139535 6082213	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dibromo-3-Chloropropane	CBZd5	Ave	+++++ 175393	+++++ 387998	9819 887854	22833 1942321	57477 4017841	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,4,5-Tetramethylbenzene	CBZd5	Ave	13864 603176	23473 1295446	45148 2792724	92912 5877469	217481 11139169	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.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

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
Dodecane	CBZd5	Ave	7446 393311	13899 778728	28537 1721768	62932 3502411	144169 6176175	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,4-Trichlorobenzene	CBZd5	Ave	+++++ 271619	10866 590156	18912 1381899	38473 3009698	87984 5956243	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Naphthalene	CBZd5	Ave	+++++ 640460	27749 1321086	50096 2945773	96748 5892984	212791 10437111	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Hexachlorobutadiene	CBZd5	Ave	+++++ 407071	19228 788705	36553 1540545	74904 2828676	154711 4623634	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,3-Trichlorobenzene	CBZd5	Ave	+++++ 282722	14302 575020	24657 1241812	46603 2401819	100082 4186327	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylnaphthalene	CBZd5	Ave	+++++ 127721	+++++ 287016	11052 746785	19814 1590278	42311 2916473	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1-Methylnaphthalene	CBZd5	Ave	+++++ 220292	+++++ 448916	21162 1029677	39500 2008151	84298 3429717	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	1292895 1344025	1308004 1392974	1290884 1474305	1313064 1516823	1284489 1506248	4.64 4.64	4.64 4.64	4.64 4.64	4.64 4.64	4.64 4.64

Curve Type Legend:
Ave = Average ISTD

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-46776/9	HXB08IC01.D
Level 2	IC 140-46776/10	HXB08IC02.D
Level 3	IC 140-46776/11	HXB08IC03.D
Level 4	IC 140-46776/12	HXB08IC04.D
Level 5	IC 140-46776/13	HXB08IC05.D
Level 6	IC 140-46776/14	HXB08IC06.D
Level 7	ICIS 140-46776/15	HXB08IC07.D
Level 8	IC 140-46776/7	HXB08IC08.D
Level 9	IC 140-46776/5	HXB08IC09.D
Level 10	IC 140-46776/3	HXB08IC10.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	+++++	-0.2						50				
Propene	+++++	+++++	+++++	+++++	5.4						50	
Dichlorodifluoromethane	+++++	8.8						50				
Chloromethane	+++++	+++++	+++++	25.7						50		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	+++++	11.0						50				
Vinyl chloride	+++++	16.9						50				
Butane	+++++	6.9						50				
1,3-Butadiene	+++++	+++++	0.3						50			
Bromomethane	+++++	+++++	10.9						50			
Chloroethane	+++++	+++++	1.4						50			
Ethanol	+++++	4.1						50				
Vinyl bromide	+++++	12.0						50				
2-Methylbutane	+++++	+++++	1.9						50			
Trichlorofluoromethane	+++++	4.6						50				

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

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	+++++	+++++	+++++	11.8						50		
Acetonitrile	+++++	+++++	+++++	-10.7						50		
Acetone	+++++	+++++	+++++	18.7						80		
Isopropyl alcohol	+++++	+++++	-1.1						50			
Pentane	+++++	+++++	8.9						50			
Ethyl ether	+++++	+++++	3.0						50			
1,1-Dichloroethene	+++++	8.2						50				
tert-Butyl alcohol	+++++	7.2						50				
Acrylonitrile	+++++	+++++	10.9						50			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++	6.5						50				
Methylene Chloride	+++++	+++++	+++++	5.4						80		
3-Chloropropene	+++++	+++++	9.8						50			
Carbon disulfide	+++++	+++++	-1.0						50			
trans-1,2-Dichloroethene	+++++	+++++	-0.5						50			
2-Methylpentane	+++++	+++++	0.3						50			
Methyl tert-butyl ether	+++++	+++++	0.0						50			
1,1-Dichloroethane	+++++	5.6						50				
Vinyl acetate	+++++	+++++	-7.4						50			
2-Butanone (MEK)	+++++	+++++	7.9						50			
Hexane	+++++	+++++	10.6						50			
cis-1,2-Dichloroethene	+++++	4.7						50				

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

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	+++++	6.5						50				
Chloroform	+++++	9.6						50				
Tetrahydrofuran	+++++	+++++	3.2						50			
1,1,1-Trichloroethane	+++++	3.5						50				
1,2-Dichloroethane	+++++	8.0						50				
1-Butanol	+++++	+++++	2.5						50			
Cyclohexane	+++++	+++++	-0.7						50			
Benzene	+++++	9.3						50				
Carbon tetrachloride	0.0						50					
2,3-Dimethylpentane	+++++	3.4						50				
Thiophene	+++++	2.7						50				
2,2,4-Trimethylpentane	+++++	6.7						50				
Heptane	+++++	1.5						50				
1,2-Dichloropropane	+++++	9.0						50				
Trichloroethene	26.2						50					
Dibromomethane	+++++	+++++	2.8						50			
1,4-Dioxane	+++++	+++++	-1.4						50			
Bromodichloromethane	8.6						50					
Methyl methacrylate	+++++	1.7						50				
Methylcyclohexane	11.1						50					
4-Methyl-2-pentanone (MIBK)	+++++	+++++	-3.2						50			

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

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	13.5						50					
trans-1,3-Dichloropropene	9.0						50					
Toluene	+++++	14.7						50				
1,1,2-Trichloroethane	+++++	8.3						50				
2-Hexanone	+++++	-5.9						50				
Octane	+++++	-3.6						50				
Dibromochloromethane	-3.3						50					
1,2-Dibromoethane (EDB)	+++++	0.5						50				
Tetrachloroethene	+++++	6.9						50				
Chlorobenzene	+++++	12.6						50				
Ethylbenzene	+++++	8.7						50				
m-Xylene & p-Xylene	+++++	6.5						50				
Nonane	14.1						50					
Styrene	11.9						50					
Bromoform	+++++	+++++	-30.7						50			
o-Xylene	+++++	9.4						50				
1,1,2,2-Tetrachloroethane	+++++	1.6						50				
1,2,3-Trichloropropane	+++++	-5.2						50				
Isopropylbenzene	+++++	7.3						50				
Propylbenzene	12.5						50					
2-Chlorotoluene	+++++	9.4						50				

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

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	+++++	2.8						50				
1,3,5-Trimethylbenzene	16.5						50					
Alpha Methyl Styrene	2.1						50					
Decane	10.3						50					
tert-Butylbenzene	14.8						50					
1,2,4-Trimethylbenzene	+++++	-0.1						50				
sec-Butylbenzene	17.7						50					
1,3-Dichlorobenzene	+++++	6.2						50				
Benzyl chloride	+++++	+++++	-24.2						50			
1,4-Dichlorobenzene	+++++	8.8						50				
4-Isopropyltoluene	+++++	-3.0						50				
1,2,3-Trimethylbenzene	9.1						50					
Indane	16.1						50					
1,2-Dichlorobenzene	+++++	8.5						50				
Butylbenzene	15.1						50					
Indene	7.8						50					
Undecane	-0.4						50					
1,2-Dibromo-3-Chloropropane	+++++	+++++	-30.9						50			
1,2,4,5-Tetramethylbenzene	12.0						50					
Dodecane	-1.3						50					
1,2,4-Trichlorobenzene	+++++	-5.0						50				

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1 Analy Batch No.: 46776

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/08/2021 20:24 Calibration End Date: 02/09/2021 06:44 Calibration ID: 2890

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	+++++	7.9						80				
Hexachlorobutadiene	+++++	20.8						50				
1,2,3-Trichlorobenzene	+++++	23.2						50				
2-Methylnaphthalene	+++++	+++++	-3.8						80			
1-Methylnaphthalene	+++++	+++++	16.8						80			

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC10.D
Lims ID: IC L10
Client ID:
Sample Type: IC Calib Level: 10
Inject. Date: 08-Feb-2021 20:24:30 ALS Bottle#: 13 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0017903-004
Misc. Info.: 355831
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 09-Feb-2021 11:30:27 Calib Date: 09-Feb-2021 06:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: tajh Date: 09-Feb-2021 09:12:19

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	9.441	9.430	0.011	87	446279	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.674	11.666	0.008	94	2011533	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.413	16.409	0.004	87	1840771	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.036	18.027	0.009	94	1506248	4.64	4.93	
6 Chlorodifluoromethane	51	3.854	3.856	-0.002	96	2387227	16.0	14.6	
7 Propene	41	3.870	3.870	0.000	99	982045	16.0	14.7	
8 Dichlorodifluoromethane	85	3.926	3.926	0.000	99	4970700	16.0	14.7	
9 Chloromethane	52	4.128	4.129	-0.001	98	331972	16.0	12.9	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.133	4.134	-0.001	96	3448118	16.0	13.9	
11 Acetaldehyde	44	4.299	4.302	-0.003	98	1945937	80.0	63.6	
12 Vinyl chloride	62	4.319	4.320	-0.001	98	1385537	16.0	13.7	
13 Butane	43	4.412	4.413	-0.001	83	1496000	16.0	13.8	
14 Butadiene	54	4.417	4.416	0.001	74	898855	16.0	14.4	
15 Bromomethane	94	4.779	4.777	0.002	99	1717253	16.0	14.4	
16 Chloroethane	64	4.934	4.935	-0.001	97	595117	16.0	14.2	
17 Ethanol	31	5.038	5.032	0.006	93	2644290	80.0	70.6	
18 Vinyl bromide	106	5.270	5.270	0.000	99	1836802	16.0	14.7	
19 2-Methylbutane	43	5.317	5.317	0.000	91	1504383	16.0	14.5	
20 Trichlorofluoromethane	101	5.565	5.561	0.004	99	4938974	16.0	15.2	
21 Acrolein	56	5.575	5.575	0.000	92	488061	16.0	14.4	
22 Acetonitrile	40	5.653	5.650	0.003	99	556961	16.0	14.9	
23 Acetone	58	5.689	5.699	-0.010	97	1961794	48.0	40.5	
25 Isopropyl alcohol	45	5.782	5.783	-0.001	96	5034463	48.0	44.1	
24 Pentane	72	5.803	5.802	0.001	97	179777	16.0	14.7	
26 Ethyl ether	31	5.968	5.981	-0.013	95	1374943	16.0	14.6	
27 1,1-Dichloroethene	96	6.335	6.331	0.004	98	1826332	16.0	14.8	
29 2-Methyl-2-propanol	59	6.418	6.432	-0.014	96	2143162	16.0	14.5	
28 Acrylonitrile	53	6.449	6.444	0.005	94	1087381	16.0	14.9	
30 112TCTFE	101	6.516	6.514	0.002	98	4180355	16.0	15.3	
31 Methylene Chloride	84	6.712	6.706	0.006	88	1690789	16.0	14.8	

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	6.728	6.721	0.007	96	1196438	16.0	14.6	
33 Carbon disulfide	76	6.888	6.884	0.004	97	5406253	16.0	15.3	
34 trans-1,2-Dichloroethene	96	7.570	7.563	0.007	98	1894445	16.0	15.7	
35 2-Methylpentane	43	7.575	7.572	0.003	94	2992380	16.0	14.4	
36 Methyl tert-butyl ether	73	7.668	7.687	-0.019	96	4001158	16.0	15.0	
37 1,1-Dichloroethane	63	8.020	8.011	0.009	99	3111035	16.0	14.8	
38 Vinyl acetate	43	8.113	8.108	0.005	100	3791333	16.0	16.4	
39 2-Butanone (MEK)	72	8.583	8.588	-0.005	98	826997	16.0	14.9	
40 Hexane	56	8.619	8.616	0.003	92	1127672	16.0	15.0	
41 Isopropyl ether	45	8.769	8.778	-0.009	96	4875499	16.0	15.1	
42 cis-1,2-Dichloroethene	96	9.079	9.068	0.011	92	1966834	16.0	15.3	
43 Ethyl acetate	43	9.240	9.244	-0.004	99	3333687	16.0	15.2	
44 Chloroform	83	9.446	9.435	0.011	96	4330299	16.0	15.2	
45 Tert-butyl ethyl ether	59	9.498	9.507	-0.009	96	4506851	16.0	15.1	
46 Tetrahydrofuran	42	9.839	9.855	-0.016	89	1625012	16.0	15.2	
47 1,1,1-Trichloroethane	97	10.532	10.527	0.005	95	4091883	16.0	15.6	
48 1,2-Dichloroethane	62	10.651	10.641	0.010	98	2444280	16.0	15.4	
49 n-Butanol	31	11.033	11.048	-0.015	86	576081	16.0	16.0	
50 Cyclohexane	69	11.131	11.132	-0.001	95	869034	16.0	15.9	
51 Benzene	78	11.136	11.132	0.004	95	5884351	16.0	15.8	
52 Carbon tetrachloride	117	11.157	11.155	0.002	99	4788890	16.0	18.2	
53 2,3-Dimethylpentane	71	11.240	11.233	0.007	91	1189422	16.0	15.9	
54 Thiophene	84	11.415	11.411	0.004	92	3412587	16.0	16.0	
55 Isooctane	57	11.881	11.876	0.005	98	8047357	16.0	15.8	
56 n-Heptane	71	12.253	12.247	0.006	88	1872150	16.0	16.4	
57 1,2-Dichloropropane	63	12.361	12.355	0.006	97	2359153	16.0	15.9	
58 Trichloroethene	130	12.392	12.388	0.004	97	2755332	16.0	16.4	
59 Dibromomethane	93	12.485	12.480	0.005	96	2978107	16.0	16.5	
61 1,4-Dioxane	88	12.609	12.621	-0.012	82	898805	16.0	16.2	
60 Dichlorobromomethane	83	12.625	12.622	0.003	98	4848917	16.0	17.1	
62 Methyl methacrylate	41	12.687	12.686	0.001	94	2081340	16.0	16.3	
63 Methylcyclohexane	83	13.157	13.156	0.001	94	3653570	16.0	16.4	
64 4-Methyl-2-pentanone (MIBK)	43	13.534	13.541	-0.007	96	3960663	16.0	16.2	
65 cis-1,3-Dichloropropene	75	13.617	13.615	0.002	90	3563723	16.0	17.2	
66 trans-1,3-Dichloropropene	75	14.310	14.307	0.003	95	3242088	16.0	16.9	
67 Toluene	91	14.439	14.436	0.003	92	7638962	16.0	15.6	
68 1,1,2-Trichloroethane	83	14.516	14.513	0.003	93	2603239	16.0	15.8	
69 2-Hexanone	58	14.868	14.872	-0.004	94	2141790	16.0	17.1	
70 n-Octane	85	15.095	15.095	0.000	89	2005907	16.0	16.8	
71 Chlorodibromomethane	129	15.230	15.223	0.007	96	5525229	16.0	18.6	
72 Ethylene Dibromide	107	15.519	15.515	0.004	98	4688421	16.0	16.9	
73 Tetrachloroethene	129	15.581	15.579	0.002	98	3072677	16.0	16.6	
75 2,3-Dimethylheptane	43	16.444	16.441	0.003	95	4884787	16.0	13.2	
74 Chlorobenzene	112	16.460	16.457	0.003	97	6073110	16.0	16.1	
76 Ethylbenzene	91	16.739	16.735	0.004	97	9985736	16.0	16.1	
77 m-Xylene & p-Xylene	91	16.899	16.894	0.005	97	15450483	32.0	31.4	
78 n-Nonane	57	17.287	17.282	0.005	86	4060908	16.0	15.7	
80 Styrene	104	17.364	17.361	0.003	91	5672222	16.0	16.7	
79 Bromoform	173	17.369	17.364	0.005	96	6541357	16.0	20.0	
81 o-Xylene	91	17.426	17.422	0.004	98	8273343	16.0	16.2	
82 1,1,2,2-Tetrachloroethane	83	17.747	17.742	0.005	98	6724362	16.0	16.5	
83 1,2,3-Trichloropropane	110	17.902	17.899	0.003	98	1382765	16.0	17.0	

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	17.995	17.991	0.004	96	10755764	16.0	16.2	
85 N-Propylbenzene	120	18.506	18.501	0.005	99	3091933	16.0	17.6	
86 2-Chlorotoluene	126	18.558	18.554	0.004	96	2919123	16.0	17.1	
87 4-Ethyltoluene	105	18.646	18.642	0.004	98	11165491	16.0	16.7	
88 1,3,5-Trimethylbenzene	120	18.713	18.710	0.003	92	4563579	16.0	17.1	
89 Alpha Methyl Styrene	118	18.935	18.933	0.002	89	5153895	16.0	19.2	
90 n-Decane	57	18.972	18.963	0.009	91	5290672	16.0	15.6	
91 tert-Butylbenzene	119	19.127	19.122	0.005	89	9516321	16.0	15.9	
92 1,2,4-Trimethylbenzene	105	19.142	19.133	0.009	95	9534201	16.0	16.1	
93 sec-Butylbenzene	105	19.385	19.380	0.005	98	13302944	16.0	15.7	
94 1,3-Dichlorobenzene	146	19.411	19.407	0.004	96	7043349	16.0	18.4	
95 Benzyl chloride	91	19.478	19.475	0.003	99	8250640	16.0	20.0	
96 1,4-Dichlorobenzene	146	19.499	19.490	0.009	95	6881627	16.0	18.4	
97 4-Isopropyltoluene	119	19.540	19.532	0.008	96	11159834	16.0	16.8	
98 1,2,3-Trimethylbenzene	105	19.597	19.593	0.004	98	10104406	16.0	17.0	
99 Butylcyclohexane	83	19.644	19.635	0.009	97	7850656	16.0	16.4	
101 2,3-Dihydroindene	117	19.840	19.837	0.003	94	8851125	16.0	16.0	
100 1,2-Dichlorobenzene	146	19.850	19.841	0.009	99	6399866	16.0	16.5	
103 n-Butylbenzene	91	19.954	19.953	0.001	97	11241006	16.0	15.2	
102 Indene	116	19.969	19.965	0.004	89	7951702	16.0	17.5	
104 Undecane	57	20.238	20.234	0.004	91	6082213	16.0	15.9	
105 1,2-Dibromo-3-Chloropropane	157	20.439	20.435	0.004	93	4017841	16.0	21.1	
106 1,2,4,5-Tetramethylbenzene	119	20.713	20.711	0.002	96	11139169	16.0	17.0	
107 Dodecane	57	21.328	21.324	0.004	97	6176175	16.0	15.5	
108 1,2,4-Trichlorobenzene	180	21.571	21.567	0.004	94	5956243	16.0	19.9	
109 Naphthalene	128	21.701	21.696	0.004	98	10437111	16.0	15.5	
110 Hexachlorobutadiene	225	21.850	21.850	0.000	89	4623634	16.0	11.1	
111 1,2,3-Trichlorobenzene	180	21.912	21.908	0.004	95	4186327	16.0	13.8	
112 2-Methylnaphthalene	142	22.445	22.445	0.000	98	2916473	16.0	18.9	
113 1-Methylnaphthalene	142	22.574	22.574	0.000	97	3429717	16.0	14.1	
A 115 C8 Range	1	15.103	(15.049-15.152)		0	16586613	16.0	16.0	
S 116 Xylenes, Total	100				0		48.0	47.6	
S 117 1,2-Dichloroethene, Total	1				0		32.0	31.0	

QC Flag Legend

Processing Flags

Reagents:

40L10DQP_00023	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

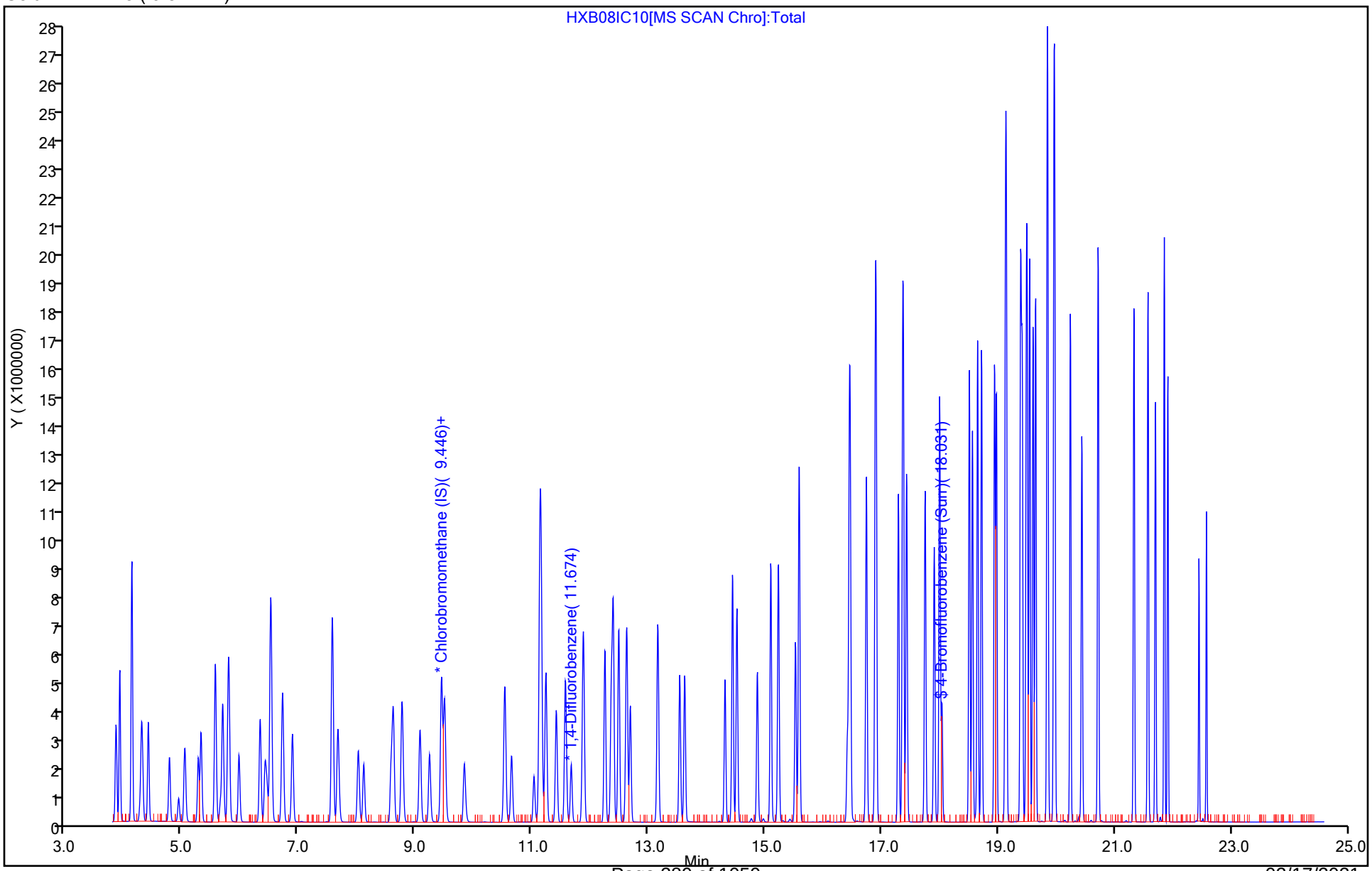
Report Date: 09-Feb-2021 11:30:28 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC10.D

Injection Date:	08-Feb-2021 20:24:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	IC L10			Worklist Smp#:	3
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Report Date: 09-Feb-2021 11:30:28 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC10.D

Injection Date: 08-Feb-2021 20:24:30 Instrument ID: MH

Lims ID: IC L10

Client ID:

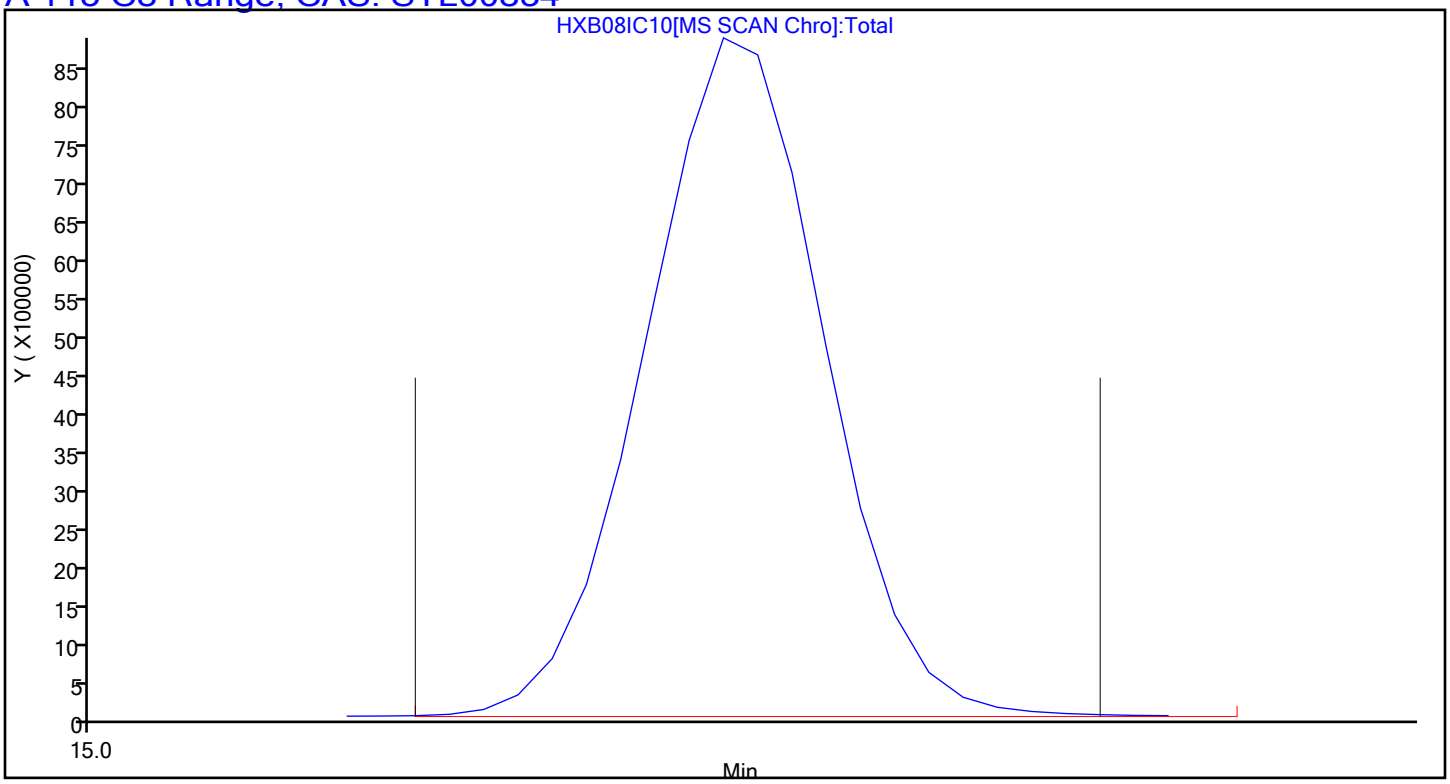
Operator ID: HMT ALS Bottle#: 13 Worklist Smp#: 3

Purge Vol: 500.000 mL Dil. Factor: 1.0000

Method: MH_TO15 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\MH\20210208-18155.b\HXB08IC09.D
Lims ID: IC L9
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 08-Feb-2021 22:08:30 ALS Bottle#: 14 Worklist Smp#: 5
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018155-005
Misc. Info.: 355832
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 09-Feb-2021 11:30:36 Calib Date: 09-Feb-2021 06:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: barlozhetskayaa Date: 09-Feb-2021 09:51:53

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	9.436	9.430	0.006	87	458150	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.668	11.666	0.002	94	2124392	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.413	16.409	0.004	87	1901091	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.031	18.027	0.004	94	1516823	4.64	4.81	
6 Chlorodifluoromethane	51	3.854	3.856	-0.002	96	1289519	8.00	7.69	
7 Propene	41	3.869	3.870	-0.001	99	533285	8.00	7.78	
8 Dichlorodifluoromethane	85	3.926	3.926	0.000	99	2694238	8.00	7.74	
9 Chloromethane	52	4.128	4.129	-0.001	98	188193	8.00	7.13	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.133	4.134	-0.001	90	1897759	8.00	7.47	
11 Acetaldehyde	44	4.298	4.302	-0.004	97	1094244	40.0	34.8	
12 Vinyl chloride	62	4.319	4.320	-0.001	98	755501	8.00	7.28	
13 Butane	43	4.412	4.413	-0.001	83	821934	8.00	7.41	
14 Butadiene	54	4.417	4.416	0.001	74	493150	8.00	7.68	
15 Bromomethane	94	4.779	4.777	0.002	99	922125	8.00	7.52	
16 Chloroethane	64	4.934	4.935	-0.001	97	319991	8.00	7.44	
17 Ethanol	31	5.032	5.032	0.000	93	1455437	40.0	37.9	
18 Vinyl bromide	106	5.270	5.270	0.000	98	977471	8.00	7.63	
19 2-Methylbutane	43	5.317	5.317	0.000	91	815921	8.00	7.68	
20 Trichlorofluoromethane	101	5.565	5.561	0.004	99	2584227	8.00	7.76	
21 Acrolein	56	5.570	5.575	-0.005	91	271077	8.00	7.81	
22 Acetonitrile	40	5.652	5.650	0.002	99	300003	8.00	7.82	
23 Acetone	58	5.689	5.699	-0.010	97	1069541	24.0	21.5	
25 Isopropyl alcohol	45	5.777	5.783	-0.006	98	2760788	24.0	23.6	
24 Pentane	72	5.802	5.802	0.000	97	96394	8.00	7.70	
26 Ethyl ether	31	5.968	5.981	-0.013	95	747426	8.00	7.73	
27 1,1-Dichloroethene	96	6.335	6.331	0.004	98	969113	8.00	7.66	
29 2-Methyl-2-propanol	59	6.412	6.432	-0.020	95	1160550	8.00	7.64	
28 Acrylonitrile	53	6.443	6.444	-0.001	94	572581	8.00	7.63	
30 112TCTFE	101	6.516	6.514	0.002	98	2182318	8.00	7.77	
31 Methylene Chloride	84	6.712	6.706	0.006	89	894815	8.00	7.65	

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	6.722	6.721	0.001	96	633603	8.00	7.55	
33 Carbon disulfide	76	6.888	6.884	0.004	97	2871795	8.00	7.91	
34 trans-1,2-Dichloroethene	96	7.565	7.563	0.002	99	993455	8.00	8.01	
35 2-Methylpentane	43	7.575	7.572	0.003	94	1662075	8.00	7.78	
36 Methyl tert-butyl ether	73	7.668	7.687	-0.019	96	2120189	8.00	7.76	
37 1,1-Dichloroethane	63	8.014	8.011	0.003	99	1652575	8.00	7.68	
38 Vinyl acetate	43	8.107	8.108	-0.001	100	1977960	8.00	8.31	
39 2-Butanone (MEK)	72	8.578	8.588	-0.010	98	436638	8.00	7.65	
40 Hexane	56	8.619	8.616	0.003	93	596939	8.00	7.73	
41 Isopropyl ether	45	8.769	8.778	-0.009	98	2595007	8.00	7.84	
42 cis-1,2-Dichloroethene	96	9.074	9.068	0.006	92	1035042	8.00	7.85	
43 Ethyl acetate	43	9.234	9.244	-0.010	99	1769486	8.00	7.84	
44 Chloroform	83	9.441	9.435	0.006	95	2270430	8.00	7.75	
45 Tert-butyl ethyl ether	59	9.498	9.507	-0.009	96	2395568	8.00	7.83	
46 Tetrahydrofuran	42	9.834	9.855	-0.021	90	863627	8.00	7.85	
47 1,1,1-Trichloroethane	97	10.531	10.527	0.004	96	2123388	8.00	7.90	
48 1,2-Dichloroethane	62	10.645	10.641	0.004	98	1299596	8.00	7.75	
49 n-Butanol	31	11.028	11.048	-0.020	86	308084	8.00	8.10	
50 Cyclohexane	69	11.131	11.132	-0.001	92	460551	8.00	7.96	
51 Benzene	78	11.136	11.132	0.004	95	3109055	8.00	7.91	
52 Carbon tetrachloride	117	11.157	11.155	0.002	99	2251040	8.00	8.09	
53 2,3-Dimethylpentane	71	11.234	11.233	0.001	91	620856	8.00	7.86	
54 Thiophene	84	11.415	11.411	0.004	92	1782800	8.00	7.93	
55 Isooctane	57	11.875	11.876	-0.001	98	4239675	8.00	7.89	
56 n-Heptane	71	12.247	12.247	0.000	89	967670	8.00	8.03	
57 1,2-Dichloropropane	63	12.356	12.355	0.001	97	1228648	8.00	7.82	
58 Trichloroethene	130	12.392	12.388	0.004	96	1382898	8.00	7.80	
59 Dibromomethane	93	12.485	12.480	0.005	98	1517362	8.00	7.96	
61 1,4-Dioxane	88	12.609	12.621	-0.012	81	472245	8.00	8.07	
60 Dichlorobromomethane	83	12.625	12.622	0.003	98	2469748	8.00	8.27	
62 Methyl methacrylate	41	12.681	12.686	-0.005	95	1099674	8.00	8.16	
63 Methylcyclohexane	83	13.157	13.156	0.001	95	1881707	8.00	8.02	
64 4-Methyl-2-pentanone (MIBK)	43	13.534	13.541	-0.007	96	2072600	8.00	8.04	
65 cis-1,3-Dichloropropene	75	13.617	13.615	0.002	90	1832001	8.00	8.36	
66 trans-1,3-Dichloropropene	75	14.310	14.307	0.003	95	1661671	8.00	8.37	
67 Toluene	91	14.439	14.436	0.003	92	3933270	8.00	7.76	
68 1,1,2-Trichloroethane	83	14.516	14.513	0.003	93	1333749	8.00	7.84	
69 2-Hexanone	58	14.863	14.872	-0.009	93	1094781	8.00	8.44	
70 n-Octane	85	15.095	15.095	0.000	91	1015641	8.00	8.23	
71 Chlorodibromomethane	129	15.224	15.223	0.001	97	2754312	8.00	8.98	
72 Ethylene Dibromide	107	15.519	15.515	0.004	98	2370598	8.00	8.27	
73 Tetrachloroethene	129	15.581	15.579	0.002	97	1557528	8.00	8.15	
75 2,3-Dimethylheptane	43	16.444	16.441	0.003	92	2828099	8.00	7.43	
74 Chlorobenzene	112	16.460	16.457	0.003	95	3116709	8.00	8.00	
76 Ethylbenzene	91	16.739	16.735	0.004	98	5145303	8.00	8.04	
77 m-Xylene & p-Xylene	91	16.899	16.894	0.005	98	8331382	16.0	16.4	
78 n-Nonane	57	17.286	17.282	0.004	89	2137110	8.00	8.02	
80 Styrene	104	17.364	17.361	0.003	94	3083152	8.00	8.78	
79 Bromoform	173	17.364	17.364	0.000	96	3388570	8.00	10.0	
81 o-Xylene	91	17.426	17.422	0.004	98	4255873	8.00	8.05	
82 1,1,2,2-Tetrachloroethane	83	17.741	17.742	-0.001	98	3438125	8.00	8.19	
83 1,2,3-Trichloropropane	110	17.902	17.899	0.003	98	686946	8.00	8.20	

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	17.995	17.991	0.004	96	5572569	8.00	8.13	
85 N-Propylbenzene	120	18.501	18.501	0.000	99	1537580	8.00	8.47	
86 2-Chlorotoluene	126	18.558	18.554	0.004	96	1439946	8.00	8.17	
87 4-Ethyltoluene	105	18.646	18.642	0.004	99	5773550	8.00	8.36	
88 1,3,5-Trimethylbenzene	120	18.713	18.710	0.003	92	2270452	8.00	8.23	
89 Alpha Methyl Styrene	118	18.935	18.933	0.002	89	2528480	8.00	9.14	
90 n-Decane	57	18.966	18.963	0.003	91	2847244	8.00	8.12	
91 tert-Butylbenzene	119	19.126	19.122	0.004	91	5196853	8.00	8.42	
92 1,2,4-Trimethylbenzene	105	19.137	19.133	0.004	96	5228024	8.00	8.55	
93 sec-Butylbenzene	105	19.385	19.380	0.005	98	7303447	8.00	8.34	
94 1,3-Dichlorobenzene	146	19.411	19.407	0.004	97	3461943	8.00	8.76	
95 Benzyl chloride	91	19.478	19.475	0.003	98	4185787	8.00	9.84	
96 1,4-Dichlorobenzene	146	19.493	19.490	0.003	95	3423480	8.00	8.87	
97 4-Isopropyltoluene	119	19.535	19.532	0.003	97	5897397	8.00	8.62	
98 1,2,3-Trimethylbenzene	105	19.597	19.593	0.004	98	5173758	8.00	8.42	
99 Butylcyclohexane	83	19.638	19.635	0.003	97	4152843	8.00	8.40	
101 2,3-Dihydroindene	117	19.840	19.837	0.003	94	5018915	8.00	8.77	
100 1,2-Dichlorobenzene	146	19.845	19.841	0.004	97	3492124	8.00	8.74	
103 n-Butylbenzene	91	19.953	19.953	0.000	96	6486592	8.00	8.49	
102 Indene	116	19.969	19.965	0.004	89	4282753	8.00	9.12	
104 Undecane	57	20.238	20.234	0.004	93	3384721	8.00	8.57	
105 1,2-Dibromo-3-Chloropropane	157	20.434	20.435	-0.001	95	1942321	8.00	9.86	
106 1,2,4,5-Tetramethylbenzene	119	20.713	20.711	0.002	95	5877469	8.00	8.69	
107 Dodecane	57	21.328	21.324	0.004	97	3502411	8.00	8.49	
108 1,2,4-Trichlorobenzene	180	21.571	21.567	0.004	94	3009698	8.00	9.73	
109 Naphthalene	128	21.695	21.696	-0.001	99	5892984	8.00	8.48	
110 Hexachlorobutadiene	225	21.850	21.850	0.000	90	2828676	8.00	6.57	
111 1,2,3-Trichlorobenzene	180	21.912	21.908	0.004	95	2401819	8.00	7.66	
112 2-Methylnaphthalene	142	22.445	22.445	0.000	98	1590278	8.00	9.99	
113 1-Methylnaphthalene	142	22.574	22.574	0.000	98	2008151	8.00	8.00	
A 115 C8 Range	1	15.103	(15.043-15.147)		0	8726395	8.00	7.97	
S 116 Xylenes, Total	100				0		24.0	24.5	
S 117 1,2-Dichloroethene, Total	1				0		16.0	15.9	

QC Flag Legend

Processing Flags

Reagents:

40L9DQP_00023	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

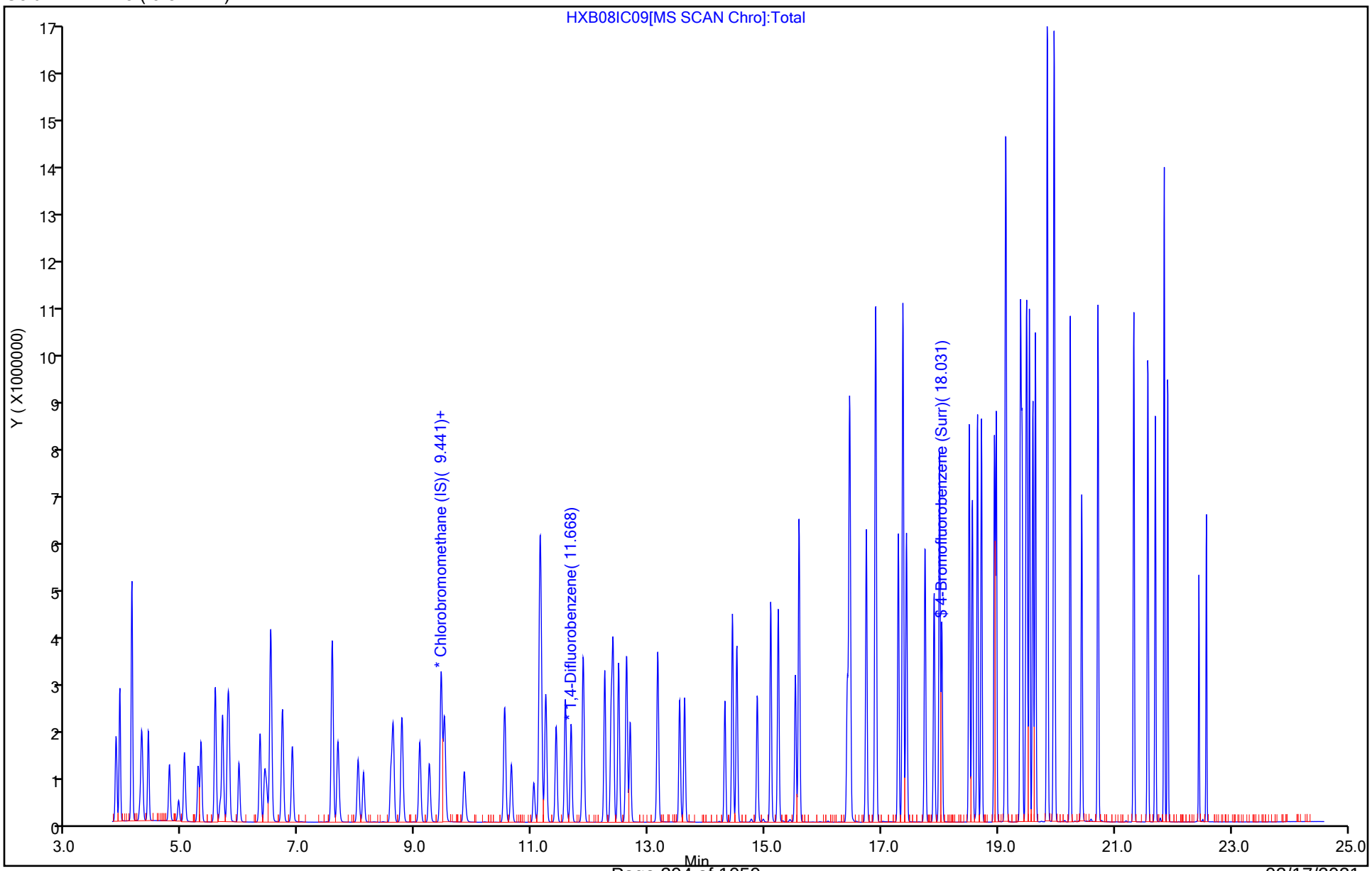
Report Date: 09-Feb-2021 11:30:37 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC09.D

Injection Date:	08-Feb-2021 22:08:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	IC L9			Worklist Smp#:	5
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

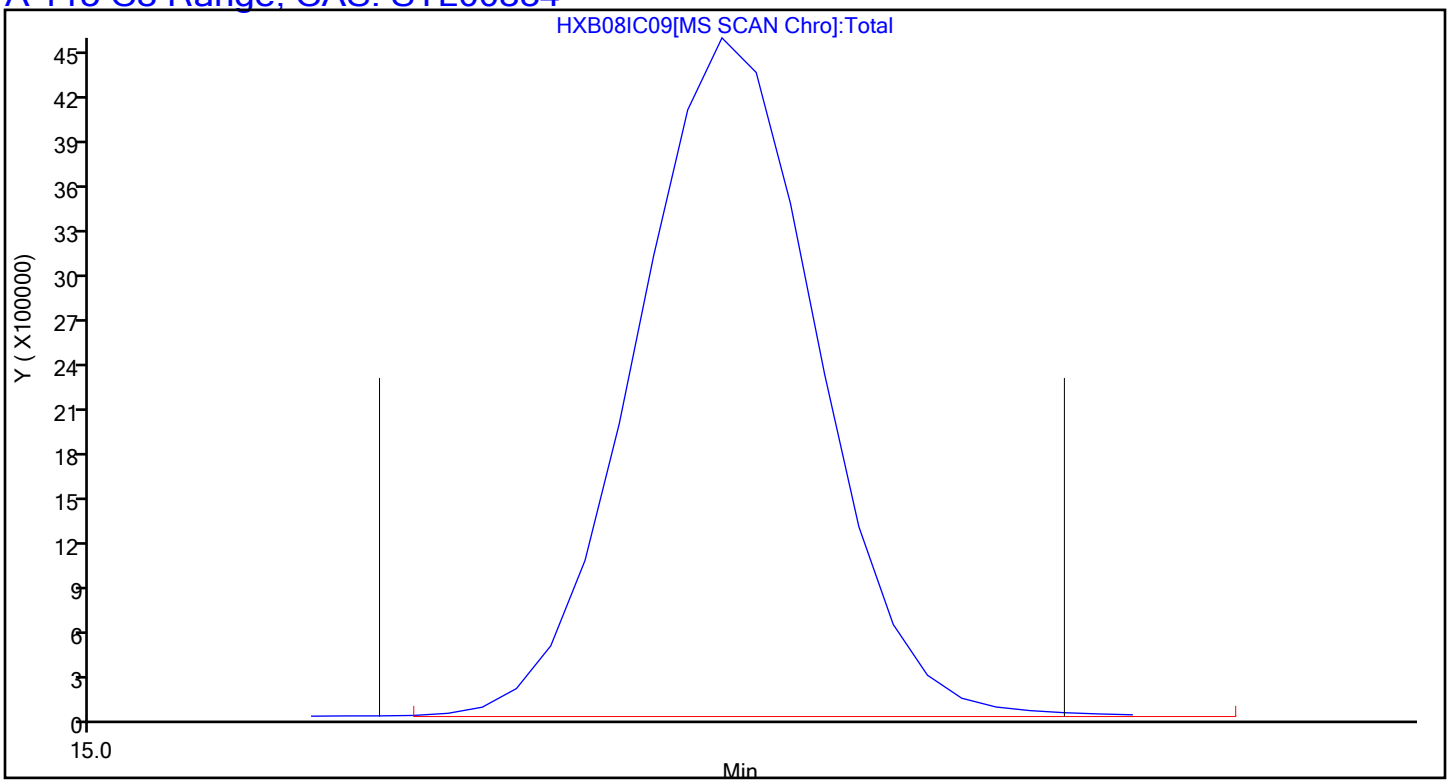


Report Date: 09-Feb-2021 11:30:37 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC09.D				
Injection Date:	08-Feb-2021 22:08:30	Instrument ID:	MH		
Lims ID:	IC L9				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	5
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MH_TO15	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\MH\20210208-18155.b\HXB08IC08.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 08-Feb-2021 23:53:30 ALS Bottle#: 15 Worklist Smp#: 7
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018155-007
Misc. Info.: 355833
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 09-Feb-2021 11:30:45 Calib Date: 09-Feb-2021 06:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: barlozhetskayaa Date: 09-Feb-2021 09:52:16

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	9.431	9.430	0.001	88	454121	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.669	11.666	0.003	94	2118872	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.408	16.409	-0.001	86	1867501	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.026	18.027	-0.001	94	1474305	4.64	4.76	
6 Chlorodifluoromethane	51	3.854	3.856	-0.002	96	655485	4.00	3.94	
7 Propene	41	3.869	3.870	-0.001	99	272586	4.00	4.01	
8 Dichlorodifluoromethane	85	3.926	3.926	0.000	99	1343312	4.00	3.89	
9 Chloromethane	52	4.128	4.129	-0.001	47	98990	4.00	3.79	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.133	4.134	-0.001	96	971581	4.00	3.86	
11 Acetaldehyde	44	4.298	4.302	-0.004	97	570741	20.0	18.3	
12 Vinyl chloride	62	4.319	4.320	-0.001	99	389159	4.00	3.79	
13 Butane	43	4.412	4.413	-0.001	84	421845	4.00	3.84	
14 Butadiene	54	4.412	4.416	-0.004	73	250396	4.00	3.93	
15 Bromomethane	94	4.779	4.777	0.002	98	468057	4.00	3.85	
16 Chloroethane	64	4.934	4.935	-0.001	97	162386	4.00	3.81	
17 Ethanol	31	5.027	5.032	-0.005	94	756664	20.0	19.9	
18 Vinyl bromide	106	5.270	5.270	0.000	99	489748	4.00	3.86	
19 2-Methylbutane	43	5.317	5.317	0.000	91	413401	4.00	3.92	
20 Trichlorofluoromethane	101	5.560	5.561	-0.001	99	1302520	4.00	3.94	
21 Acrolein	56	5.570	5.575	-0.005	92	133746	4.00	3.89	
22 Acetonitrile	40	5.647	5.650	-0.003	99	154896	4.00	4.07	
23 Acetone	58	5.689	5.699	-0.010	97	534441	12.0	10.8	
25 Isopropyl alcohol	45	5.771	5.783	-0.012	94	1414297	12.0	12.2	
24 Pentane	72	5.802	5.802	0.000	97	48171	4.00	3.88	
26 Ethyl ether	31	5.968	5.981	-0.013	96	381290	4.00	3.98	
27 1,1-Dichloroethene	96	6.330	6.331	-0.001	98	487585	4.00	3.89	
29 2-Methyl-2-propanol	59	6.407	6.432	-0.025	95	599803	4.00	3.98	
28 Acrylonitrile	53	6.443	6.444	-0.001	94	292797	4.00	3.94	
30 112TCTFE	101	6.511	6.514	-0.003	98	1092657	4.00	3.93	
31 Methylene Chloride	84	6.707	6.706	0.001	89	450378	4.00	3.88	

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	6.722	6.721	0.001	96	325303	4.00	3.91	
33 Carbon disulfide	76	6.888	6.884	0.004	97	1456167	4.00	4.05	
34 trans-1,2-Dichloroethene	96	7.565	7.563	0.002	99	495860	4.00	4.03	
35 2-Methylpentane	43	7.575	7.572	0.003	93	841041	4.00	3.97	
36 Methyl tert-butyl ether	73	7.668	7.687	-0.019	96	1081076	4.00	3.99	
37 1,1-Dichloroethane	63	8.015	8.011	0.004	100	837579	4.00	3.93	
38 Vinyl acetate	43	8.108	8.108	0.000	100	985026	4.00	4.18	
39 2-Butanone (MEK)	72	8.578	8.588	-0.010	99	219596	4.00	3.88	
40 Hexane	56	8.614	8.616	-0.002	93	300740	4.00	3.93	
41 Isopropyl ether	45	8.764	8.778	-0.014	96	1303140	4.00	3.97	
42 cis-1,2-Dichloroethene	96	9.069	9.068	0.001	93	517342	4.00	3.96	
43 Ethyl acetate	43	9.234	9.244	-0.010	99	890205	4.00	3.98	
44 Chloroform	83	9.441	9.435	0.006	94	1133306	4.00	3.90	
45 Tert-butyl ethyl ether	59	9.493	9.507	-0.014	96	1206133	4.00	3.98	
46 Tetrahydrofuran	42	9.839	9.855	-0.016	90	435957	4.00	4.00	
47 1,1,1-Trichloroethane	97	10.526	10.527	-0.001	96	1057768	4.00	3.97	
48 1,2-Dichloroethane	62	10.645	10.641	0.004	98	653312	4.00	3.91	
49 n-Butanol	31	11.028	11.048	-0.020	86	154267	4.00	4.07	
50 Cyclohexane	69	11.131	11.132	-0.001	88	230529	4.00	4.00	
51 Benzene	78	11.131	11.132	-0.001	95	1534522	4.00	3.91	
52 Carbon tetrachloride	117	11.157	11.155	0.002	99	1171790	4.00	4.22	
53 2,3-Dimethylpentane	71	11.234	11.233	0.001	91	309555	4.00	3.93	
54 Thiophene	84	11.410	11.411	-0.001	92	884585	4.00	3.95	
55 Isooctane	57	11.875	11.876	-0.001	98	2106066	4.00	3.93	
56 n-Heptane	71	12.247	12.247	0.000	90	475871	4.00	3.96	
57 1,2-Dichloropropane	63	12.356	12.355	0.001	97	613307	4.00	3.91	
58 Trichloroethene	130	12.392	12.388	0.004	95	671986	4.00	3.80	
59 Dibromomethane	93	12.485	12.480	0.005	97	743853	4.00	3.91	
61 1,4-Dioxane	88	12.609	12.621	-0.012	82	237801	4.00	4.08	
60 Dichlorobromomethane	83	12.625	12.622	0.003	98	1219247	4.00	4.09	
62 Methyl methacrylate	41	12.682	12.686	-0.004	95	551345	4.00	4.10	
63 Methylcyclohexane	83	13.157	13.156	0.001	96	926388	4.00	3.96	
64 4-Methyl-2-pentanone (MIBK)	43	13.529	13.541	-0.012	96	1041209	4.00	4.05	
65 cis-1,3-Dichloropropene	75	13.617	13.615	0.002	91	893824	4.00	4.09	
66 trans-1,3-Dichloropropene	75	14.310	14.307	0.003	95	807761	4.00	4.14	
67 Toluene	91	14.439	14.436	0.003	92	1925650	4.00	3.87	
68 1,1,2-Trichloroethane	83	14.516	14.513	0.003	93	653984	4.00	3.91	
69 2-Hexanone	58	14.863	14.872	-0.009	93	541127	4.00	4.25	
70 n-Octane	85	15.095	15.095	0.000	92	495285	4.00	4.08	
71 Chlorodibromomethane	129	15.224	15.223	0.001	97	1319276	4.00	4.38	
72 Ethylene Dibromide	107	15.519	15.515	0.004	98	1144790	4.00	4.07	
73 Tetrachloroethene	129	15.581	15.579	0.002	96	747896	4.00	3.98	
75 2,3-Dimethylheptane	43	16.444	16.441	0.003	94	1456081	4.00	3.89	
74 Chlorobenzene	112	16.454	16.457	-0.003	95	1503704	4.00	3.93	
76 Ethylbenzene	91	16.734	16.735	-0.001	98	2496741	4.00	3.97	
77 m-Xylene & p-Xylene	91	16.894	16.894	0.000	98	4047100	8.00	8.11	
78 n-Nonane	57	17.281	17.282	-0.001	90	1052272	4.00	4.02	
80 Styrene	104	17.359	17.361	-0.002	97	1477907	4.00	4.28	
79 Bromoform	173	17.364	17.364	0.000	95	1558700	4.00	4.69	
81 o-Xylene	91	17.421	17.422	-0.001	98	2045648	4.00	3.94	
82 1,1,2,2-Tetrachloroethane	83	17.741	17.742	-0.001	98	1679680	4.00	4.07	
83 1,2,3-Trichloropropane	110	17.896	17.899	-0.003	98	332820	4.00	4.04	

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	17.989	17.991	-0.002	95	2695991	4.00	4.00	
85 N-Propylbenzene	120	18.501	18.501	0.000	99	725130	4.00	4.07	
86 2-Chlorotoluene	126	18.553	18.554	-0.001	96	681361	4.00	3.94	
87 4-Ethyltoluene	105	18.641	18.642	-0.001	99	2763099	4.00	4.07	
88 1,3,5-Trimethylbenzene	120	18.713	18.710	0.003	91	1083628	4.00	4.00	
89 Alpha Methyl Styrene	118	18.935	18.933	0.002	89	1172722	4.00	4.32	
90 n-Decane	57	18.961	18.963	-0.002	90	1411102	4.00	4.10	
91 tert-Butylbenzene	119	19.121	19.122	-0.001	90	2489405	4.00	4.11	
92 1,2,4-Trimethylbenzene	105	19.132	19.133	-0.001	96	2504787	4.00	4.17	
93 sec-Butylbenzene	105	19.380	19.380	0.000	98	3533223	4.00	4.10	
94 1,3-Dichlorobenzene	146	19.406	19.407	-0.001	98	1587895	4.00	4.09	
95 Benzyl chloride	91	19.473	19.475	-0.002	98	1877792	4.00	4.49	
96 1,4-Dichlorobenzene	146	19.488	19.490	-0.002	95	1562181	4.00	4.12	
97 4-Isopropyltoluene	119	19.535	19.532	0.003	97	2820510	4.00	4.19	
98 1,2,3-Trimethylbenzene	105	19.592	19.593	-0.001	99	2471108	4.00	4.10	
99 Butylcyclohexane	83	19.633	19.635	-0.002	98	2012465	4.00	4.14	
101 2,3-Dihydroindene	117	19.840	19.837	0.003	94	2395056	4.00	4.26	
100 1,2-Dichlorobenzene	146	19.840	19.841	-0.001	97	1629622	4.00	4.15	
103 n-Butylbenzene	91	19.953	19.953	0.000	96	3172589	4.00	4.23	
102 Indene	116	19.964	19.965	-0.001	89	2005784	4.00	4.35	
104 Undecane	57	20.233	20.234	-0.001	94	1666408	4.00	4.30	
105 1,2-Dibromo-3-Chloropropane	157	20.434	20.435	-0.001	97	887854	4.00	4.59	
106 1,2,4,5-Tetramethylbenzene	119	20.708	20.711	-0.003	95	2792724	4.00	4.20	
107 Dodecane	57	21.323	21.324	-0.001	97	1721768	4.00	4.25	
108 1,2,4-Trichlorobenzene	180	21.566	21.567	-0.001	93	1381899	4.00	4.55	
109 Naphthalene	128	21.695	21.696	-0.001	99	2945773	4.00	4.32	
110 Hexachlorobutadiene	225	21.850	21.850	0.000	90	1540545	4.00	3.65	
111 1,2,3-Trichlorobenzene	180	21.907	21.908	-0.001	94	1241812	4.00	4.03	
112 2-Methylnaphthalene	142	22.445	22.445	0.000	98	746785	4.00	4.77	
113 1-Methylnaphthalene	142	22.574	22.574	0.000	98	1029677	4.00	4.17	
A 115 C8 Range	1	15.095	(15.044-15.147)		0	4329103	4.00	3.96	
S 116 Xylenes, Total	100				0		12.0	12.1	
S 117 1,2-Dichloroethene, Total	1				0		8.00	7.99	

QC Flag Legend

Processing Flags

Reagents:

40L8DQP_00022	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

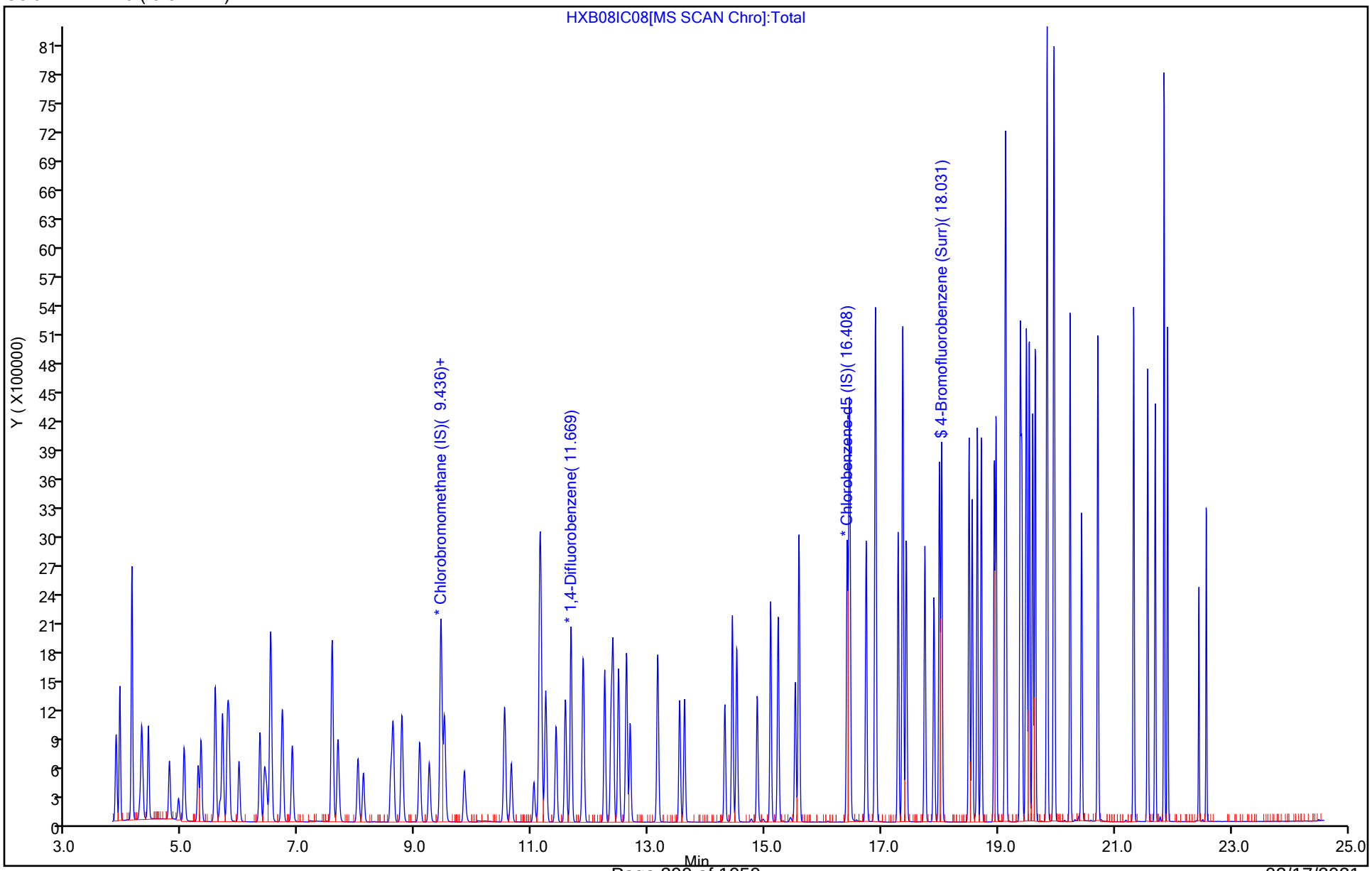
Report Date: 09-Feb-2021 11:30:46 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC08.D

Injection Date:	08-Feb-2021 23:53:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	IC L8			Worklist Smp#:	7
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

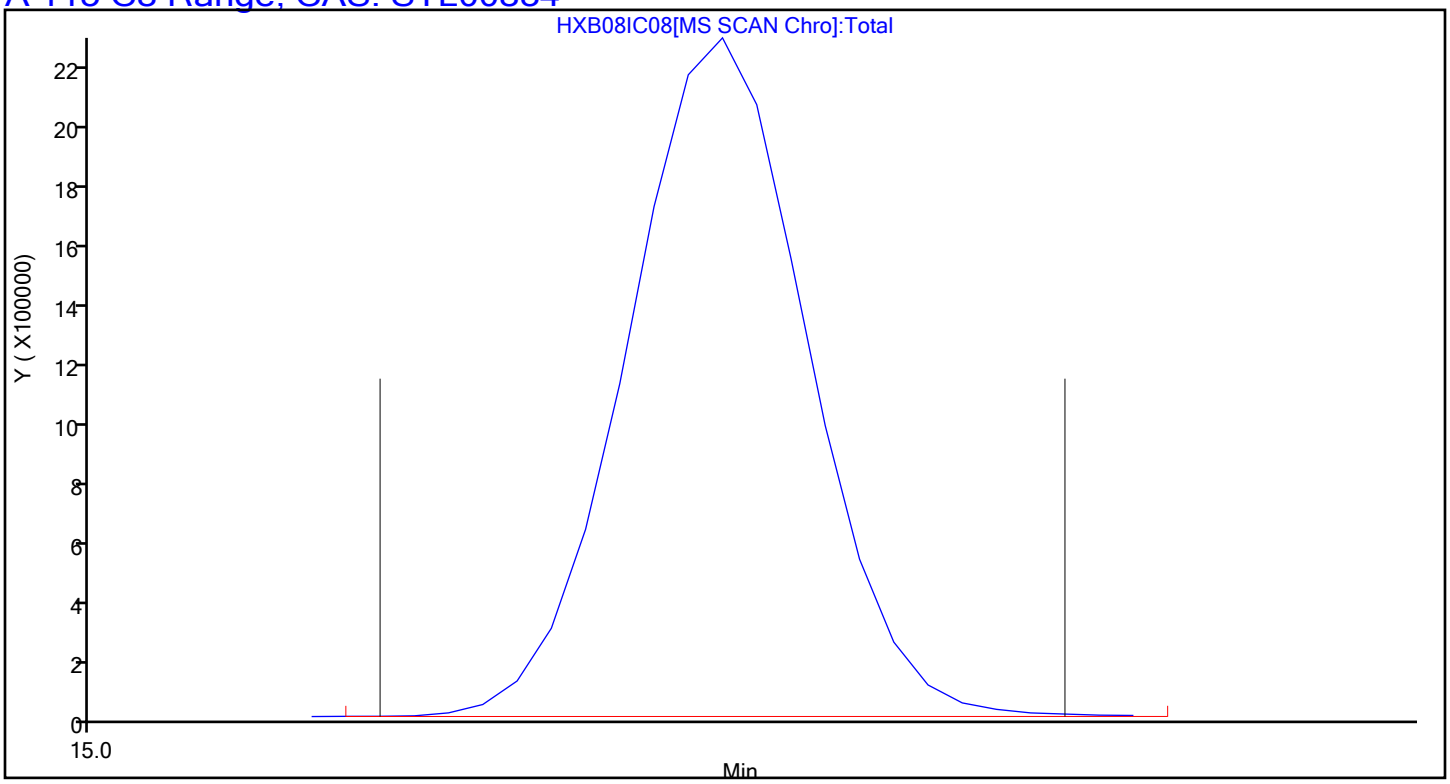


Report Date: 09-Feb-2021 11:30:46 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC08.D				
Injection Date:	08-Feb-2021 23:53:30	Instrument ID:	MH		
Lims ID:	IC L8				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	7
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MH_TO15	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\MH\20210208-18155.b\HXB08IC01.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 09-Feb-2021 01:35:30 ALS Bottle#: 1 Worklist Smp#: 9
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018155-009
Misc. Info.: 355967
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 09-Feb-2021 11:30:53 Calib Date: 09-Feb-2021 06:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: barlozhetskayaa Date: 09-Feb-2021 09:52:42

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	9.426	9.430	-0.004	85	428810	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.664	11.666	-0.002	94	2028520	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.408	16.409	-0.001	87	1739215	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.026	18.027	-0.001	94	1292895	4.64	4.48	
6 Chlorodifluoromethane	51	3.859	3.856	0.003	97	4135	0.0200	0.0263	
7 Propene	41	3.870	3.870	0.000	94	2115	0.0200	0.0330	
8 Dichlorodifluoromethane	85	3.927	3.926	0.000	99	7599	0.0200	0.0233	
9 Chloromethane	52	4.128	4.129	-0.001	50	459	0.0200	0.0186	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.133	4.134	-0.001	89	6079	0.0200	0.0256	
11 Acetaldehyde	44	4.309	4.302	0.007	96	6992	0.1000	0.2378	
12 Vinyl chloride	62	4.324	4.320	0.004	76	2726	0.0200	0.0281	
14 Butadiene	54	4.418	4.416	0.002	77	2383	0.0200	0.0397	
13 Butane	43	4.407	4.413	-0.006	81	2439	0.0200	0.0235	
15 Bromomethane	94	4.779	4.777	0.002	93	2835	0.0200	0.0247	
16 Chloroethane	64	4.950	4.935	0.015	67	1107	0.0200	0.0275	
17 Ethanol	31	5.043	5.032	0.011	91	4942	0.1000	0.1374	
18 Vinyl bromide	106	5.275	5.270	0.005	97	3096	0.0200	0.0258	
19 2-Methylbutane	43	5.317	5.317	0.000	92	2727	0.0200	0.0274	
20 Trichlorofluoromethane	101	5.555	5.561	-0.006	97	7104	0.0200	0.0228	
21 Acrolein	56	5.580	5.575	0.005	26	1541	0.0200	0.0475	
22 Acetonitrile	40	5.658	5.650	0.008	59	1374	0.0200	0.0382	
23 Acetone	58	5.725	5.699	0.026	97	5458	0.0600	0.1172	
25 Isopropyl alcohol	45	5.797	5.783	0.014	65	3192	0.0600	0.0291	
24 Pentane	72	5.808	5.802	0.006	71	243	0.0200	0.0207	
26 Ethyl ether	31	6.004	5.981	0.023	94	2171	0.0200	0.0240	
27 1,1-Dichloroethene	96	6.330	6.331	-0.001	97	3131	0.0200	0.0264	
29 2-Methyl-2-propanol	59	6.475	6.432	0.043	88	3250	0.0200	0.0229	
28 Acrylonitrile	53	6.449	6.444	0.005	81	2372	0.0200	0.0338	
30 112TCTFE	101	6.516	6.514	0.002	96	6404	0.0200	0.0244	
31 Methylene Chloride	84	6.702	6.706	-0.004	88	4349	0.0200	0.0397	

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	6.723	6.721	0.002	97	2126	0.0200	0.0271	
33 Carbon disulfide	76	6.878	6.884	-0.006	99	8640	0.0200	0.0254	
34 trans-1,2-Dichloroethene	96	7.565	7.563	0.002	98	2848	0.0200	0.0245	
35 2-Methylpentane	43	7.570	7.572	-0.002	92	5195	0.0200	0.0260	
36 Methyl tert-butyl ether	73	7.720	7.687	0.033	96	6191	0.0200	0.0242	
37 1,1-Dichloroethane	63	8.010	8.011	-0.001	98	5177	0.0200	0.0257	
38 Vinyl acetate	43	8.113	8.108	0.005	99	5105	0.0200	0.0229	
39 2-Butanone (MEK)	72	8.609	8.588	0.021	90	1536	0.0200	0.0287	
40 Hexane	56	8.619	8.616	0.003	66	2015	0.0200	0.0279	
41 Isopropyl ether	45	8.800	8.778	0.022	94	7448	0.0200	0.0240	
42 cis-1,2-Dichloroethene	96	9.064	9.068	-0.004	90	3278	0.0200	0.0266	
43 Ethyl acetate	43	9.265	9.244	0.021	97	5196	0.0200	0.0246	
44 Chloroform	83	9.431	9.435	-0.004	27	7214	0.0200	0.0263	
45 Tert-butyl ethyl ether	59	9.534	9.507	0.027	89	6640	0.0200	0.0232	
46 Tetrahydrofuran	42	9.886	9.855	0.031	87	3319	0.0200	0.0322	
47 1,1,1-Trichloroethane	97	10.521	10.527	-0.006	95	6117	0.0200	0.0243	
48 1,2-Dichloroethane	62	10.635	10.641	-0.006	95	4299	0.0200	0.0269	
49 n-Butanol	31	11.074	11.048	0.026	20	1266	0.0200	0.0349	
51 Benzene	78	11.131	11.132	-0.001	96	10137	0.0200	0.0270	
50 Cyclohexane	69	11.136	11.132	0.004	62	1651	0.0200	0.0299	
52 Carbon tetrachloride	117	11.162	11.155	0.007	97	5312	0.0200	0.0200	
53 2,3-Dimethylpentane	71	11.229	11.233	-0.004	93	1941	0.0200	0.0257	
54 Thiophene	84	11.410	11.411	-0.001	92	4933	0.0200	0.0230	
55 Isooctane	57	11.875	11.876	-0.001	98	13166	0.0200	0.0257	
56 n-Heptane	71	12.248	12.247	0.001	91	2697	0.0200	0.0234	
57 1,2-Dichloropropane	63	12.351	12.355	-0.004	80	4031	0.0200	0.0269	
58 Trichloroethene	130	12.387	12.388	-0.001	93	4275	0.0200	0.0252	
59 Dibromomethane	93	12.475	12.480	-0.005	95	5176	0.0200	0.0284	
61 1,4-Dioxane	88	12.640	12.621	0.019	83	1522	0.0200	0.0272	
60 Dichlorobromomethane	83	12.625	12.622	0.003	98	6194	0.0200	0.0217	
62 Methyl methacrylate	41	12.697	12.686	0.011	94	3375	0.0200	0.0262	
63 Methylcyclohexane	83	13.152	13.156	-0.004	93	4980	0.0200	0.0222	
64 4-Methyl-2-pentanone (MIBK)	43	13.555	13.541	0.014	96	6243	0.0200	0.0254	
65 cis-1,3-Dichloropropene	75	13.617	13.615	0.002	90	4750	0.0200	0.0227	
66 trans-1,3-Dichloropropene	75	14.305	14.307	-0.002	96	3961	0.0200	0.0218	
67 Toluene	91	14.434	14.436	-0.002	91	13132	0.0200	0.0283	
68 1,1,2-Trichloroethane	83	14.511	14.513	-0.002	95	4000	0.0200	0.0257	
69 2-Hexanone	58	14.883	14.872	0.011	93	2912	0.0200	0.0245	
70 n-Octane	85	15.101	15.095	0.006	90	2521	0.0200	0.0223	
71 Chlorodibromomethane	129	15.225	15.223	0.002	95	5426	0.0200	0.0193	
72 Ethylene Dibromide	107	15.514	15.515	-0.001	94	6657	0.0200	0.0254	
73 Tetrachloroethene	129	15.576	15.579	-0.003	93	4465	0.0200	0.0255	
75 2,3-Dimethylheptane	43	16.444	16.441	0.003	87	9617	0.0200	0.0276	
74 Chlorobenzene	112	16.455	16.457	-0.002	96	10038	0.0200	0.0282	
76 Ethylbenzene	91	16.734	16.735	-0.001	98	15545	0.0200	0.0266	
77 m-Xylene & p-Xylene	91	16.889	16.894	-0.005	99	23868	0.0400	0.0514	
78 n-Nonane	57	17.282	17.282	0.000	91	5561	0.0200	0.0228	
80 Styrene	104	17.359	17.361	-0.002	96	7196	0.0200	0.0224	
79 Bromoform	173	17.359	17.364	-0.005	80	5437	0.0200	0.0176	
81 o-Xylene	91	17.421	17.422	-0.001	98	12758	0.0200	0.0264	
82 1,1,2,2-Tetrachloroethane	83	17.742	17.742	0.000	98	9466	0.0200	0.0246	
83 1,2,3-Trichloropropane	110	17.902	17.899	0.003	97	1801	0.0200	0.0235	

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	17.990	17.991	-0.001	94	17948	0.0200	0.0286	
85 N-Propylbenzene	120	18.501	18.501	0.000	98	3735	0.0200	0.0225	
86 2-Chlorotoluene	126	18.558	18.554	0.004	96	4300	0.0200	0.0267	
87 4-Ethyltoluene	105	18.641	18.642	-0.001	98	16162	0.0200	0.0256	
88 1,3,5-Trimethylbenzene	120	18.708	18.710	-0.002	91	5882	0.0200	0.0233	
89 Alpha Methyl Styrene	118	18.930	18.933	-0.003	85	5166	0.0200	0.0204	
90 n-Decane	57	18.961	18.963	-0.002	90	7079	0.0200	0.0221	
91 tert-Butylbenzene	119	19.122	19.122	0.000	87	12959	0.0200	0.0230	
92 1,2,4-Trimethylbenzene	105	19.132	19.133	-0.001	96	14494	0.0200	0.0259	
93 sec-Butylbenzene	105	19.380	19.380	0.000	98	18863	0.0200	0.0235	
94 1,3-Dichlorobenzene	146	19.406	19.407	-0.001	97	10329	0.0200	0.0286	
95 Benzyl chloride	91	19.478	19.475	0.003	90	7906	0.0200	0.0203	
96 1,4-Dichlorobenzene	146	19.488	19.490	-0.002	93	9916	0.0200	0.0281	
97 4-Isopropyltoluene	119	19.530	19.532	-0.002	96	14714	0.0200	0.0235	
98 1,2,3-Trimethylbenzene	105	19.592	19.593	-0.001	98	12264	0.0200	0.0218	
99 Butylcyclohexane	83	19.633	19.635	-0.002	96	9347	0.0200	0.0207	
101 2,3-Dihydroindene	117	19.840	19.837	0.003	92	12159	0.0200	0.0232	
100 1,2-Dichlorobenzene	146	19.840	19.841	-0.001	92	10464	0.0200	0.0286	
103 n-Butylbenzene	91	19.954	19.953	0.001	95	16095	0.0200	0.0230	
102 Indene	116	19.964	19.965	-0.001	85	9258	0.0200	0.0216	
104 Undecane	57	20.233	20.234	-0.001	95	7197	0.0200	0.0199	
105 1,2-Dibromo-3-Chloropropane	157	20.434	20.435	-0.001	92	3719	0.0200	0.0206	
106 1,2,4,5-Tetramethylbenzene	119	20.713	20.711	0.002	92	13864	0.0200	0.0224	
107 Dodecane	57	21.323	21.324	-0.001	95	7446	0.0200	0.0197	
108 1,2,4-Trichlorobenzene	180	21.566	21.567	-0.001	94	8976	0.0200	0.0317	
109 Naphthalene	128	21.695	21.696	-0.001	99	21828	0.0200	0.0343	
110 Hexachlorobutadiene	225	21.845	21.850	-0.005	90	11223	0.0200	0.0285	
111 1,2,3-Trichlorobenzene	180	21.907	21.908	-0.001	92	10653	0.0200	0.0371	
112 2-Methylnaphthalene	142	22.445	22.445	0.000	99	6940	0.0200	0.0476	
113 1-Methylnaphthalene	142	22.574	22.574	0.000	98	11111	0.0200	0.0484	
A 115 C8 Range	1	15.088	(15.059-15.132)		0	23825	0.0200	0.0228	
S 116 Xylenes, Total	100				0		0.0600	0.0778	
S 117 1,2-Dichloroethene, Total	1				0		0.0400	0.0511	

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

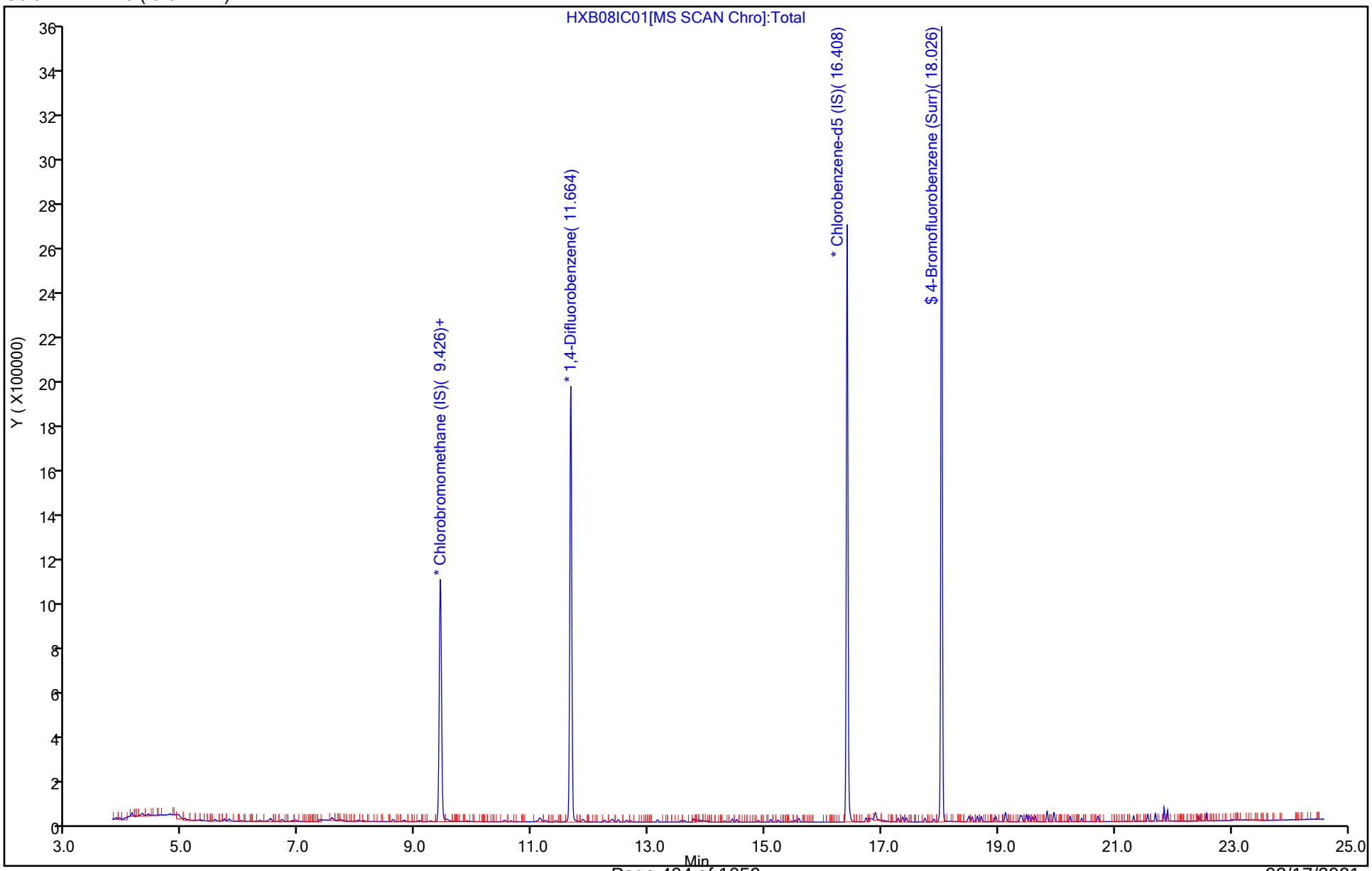
Report Date: 09-Feb-2021 11:30:54 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC01.D

Injection Date:	09-Feb-2021 01:35:30	Instrument ID:	MH	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:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

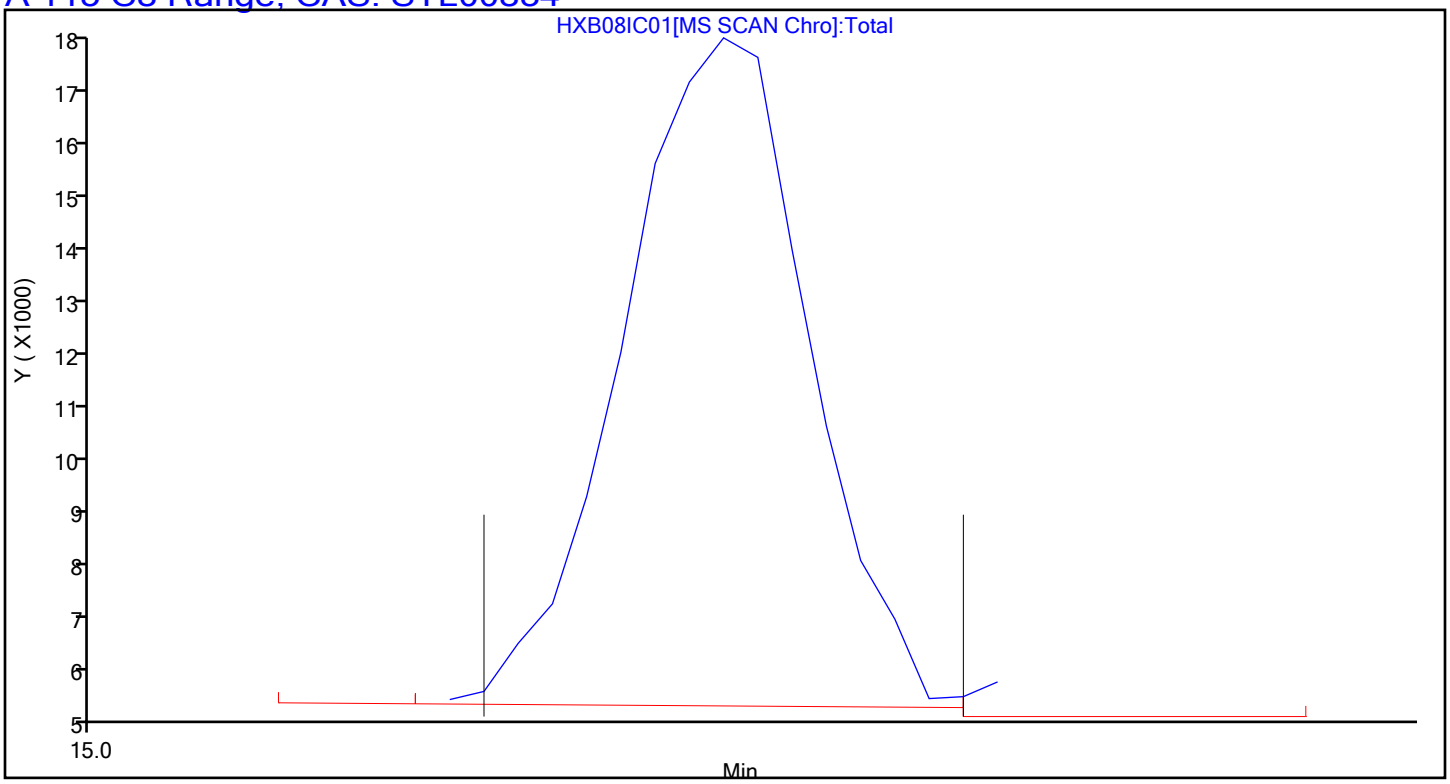


Report Date: 09-Feb-2021 11:30:54 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC01.D				
Injection Date:	09-Feb-2021 01:35:30	Instrument ID:	MH		
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:	MH_TO15	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\MH\20210208-18155.b\HXB08IC02.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 09-Feb-2021 02:25:30 ALS Bottle#: 1 Worklist Smp#: 10
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018155-010
Misc. Info.: 355967
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 09-Feb-2021 11:31:01 Calib Date: 09-Feb-2021 06:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: barlozhetskayaa Date: 09-Feb-2021 09:52:58

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	9.431	9.430	0.001	88	433296	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.663	11.666	-0.003	94	2045241	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.408	16.409	-0.001	87	1758697	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.026	18.027	-0.001	94	1308004	4.64	4.48	
6 Chlorodifluoromethane	51	3.859	3.856	0.003	97	6332	0.0400	0.0399	
7 Propene	41	3.875	3.870	0.005	97	3842	0.0400	0.0593	
8 Dichlorodifluoromethane	85	3.926	3.926	0.000	99	14338	0.0400	0.0435	
9 Chloromethane	52	4.133	4.129	0.004	50	1863	0.0400	0.0747	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.138	4.134	0.004	90	10673	0.0400	0.0444	
11 Acetaldehyde	44	4.304	4.302	0.002	99	11093	0.2000	0.3734	
12 Vinyl chloride	62	4.324	4.320	0.004	97	4587	0.0400	0.0468	
13 Butane	43	4.417	4.413	0.004	81	4486	0.0400	0.0427	
14 Butadiene	54	4.417	4.416	0.001	75	3215	0.0400	0.0529	
15 Bromomethane	94	4.779	4.777	0.002	98	5533	0.0400	0.0477	
16 Chloroethane	64	4.934	4.935	-0.001	88	1844	0.0400	0.0453	
17 Ethanol	31	5.048	5.032	0.016	93	7566	0.2000	0.2082	
18 Vinyl bromide	106	5.270	5.270	0.000	98	5425	0.0400	0.0448	
19 2-Methylbutane	43	5.322	5.317	0.005	92	4678	0.0400	0.0465	
20 Trichlorofluoromethane	101	5.565	5.561	0.004	98	13187	0.0400	0.0418	
21 Acrolein	56	5.580	5.575	0.005	30	1931	0.0400	0.0588	
22 Acetonitrile	40	5.658	5.650	0.008	97	2236	0.0400	0.0616	
23 Acetone	58	5.715	5.699	0.016	97	8777	0.1200	0.1865	
25 Isopropyl alcohol	45	5.808	5.783	0.025	84	13978	0.1200	0.1261	
24 Pentane	72	5.802	5.802	0.000	72	423	0.0400	0.0357	
26 Ethyl ether	31	6.004	5.981	0.023	94	3769	0.0400	0.0412	
27 1,1-Dichloroethene	96	6.335	6.331	0.004	97	5180	0.0400	0.0433	
28 Acrylonitrile	53	6.454	6.444	0.010	96	3631	0.0400	0.0512	
29 2-Methyl-2-propanol	59	6.464	6.432	0.032	92	6163	0.0400	0.0429	
30 112TCTFE	101	6.521	6.514	0.007	96	11310	0.0400	0.0426	
31 Methylene Chloride	84	6.707	6.706	0.001	86	6267	0.0400	0.0566	

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	6.728	6.721	0.007	97	3871	0.0400	0.0488	
33 Carbon disulfide	76	6.883	6.884	-0.001	98	14692	0.0400	0.0428	
34 trans-1,2-Dichloroethene	96	7.565	7.563	0.002	98	4805	0.0400	0.0409	
35 2-Methylpentane	43	7.570	7.572	-0.002	92	8828	0.0400	0.0437	
36 Methyl tert-butyl ether	73	7.720	7.687	0.033	93	10799	0.0400	0.0418	
37 1,1-Dichloroethane	63	8.009	8.011	-0.002	99	8596	0.0400	0.0422	
38 Vinyl acetate	43	8.118	8.108	0.010	100	8472	0.0400	0.0377	
39 2-Butanone (MEK)	72	8.604	8.588	0.016	90	2521	0.0400	0.0467	
40 Hexane	56	8.619	8.616	0.003	67	3636	0.0400	0.0498	
41 Isopropyl ether	45	8.800	8.778	0.022	95	12771	0.0400	0.0408	
42 cis-1,2-Dichloroethene	96	9.058	9.068	-0.010	93	5223	0.0400	0.0419	
43 Ethyl acetate	43	9.260	9.244	0.016	98	9097	0.0400	0.0426	
44 Chloroform	83	9.431	9.435	-0.004	31	12152	0.0400	0.0438	
45 Tert-butyl ethyl ether	59	9.524	9.507	0.017	97	11833	0.0400	0.0409	
46 Tetrahydrofuran	42	9.880	9.855	0.025	94	4454	0.0400	0.0428	
47 1,1,1-Trichloroethane	97	10.526	10.527	-0.001	96	10529	0.0400	0.0414	
48 1,2-Dichloroethane	62	10.640	10.641	-0.001	97	6971	0.0400	0.0432	
49 n-Butanol	31	11.074	11.048	0.026	78	1812	0.0400	0.0495	
51 Benzene	78	11.131	11.132	-0.001	96	16547	0.0400	0.0437	
50 Cyclohexane	69	11.141	11.132	0.009	57	2459	0.0400	0.0442	
52 Carbon tetrachloride	117	11.152	11.155	-0.003	96	9764	0.0400	0.0365	
53 2,3-Dimethylpentane	71	11.234	11.233	0.001	92	3146	0.0400	0.0414	
54 Thiophene	84	11.410	11.411	-0.001	93	8891	0.0400	0.0411	
55 Isooctane	57	11.880	11.876	0.004	97	22066	0.0400	0.0427	
56 n-Heptane	71	12.247	12.247	0.000	89	4710	0.0400	0.0406	
57 1,2-Dichloropropane	63	12.356	12.355	0.001	96	6600	0.0400	0.0436	
58 Trichloroethene	130	12.387	12.388	-0.001	94	7089	0.0400	0.0415	
59 Dibromomethane	93	12.475	12.480	-0.005	96	8582	0.0400	0.0468	
60 Dichlorobromomethane	83	12.619	12.622	-0.003	98	11090	0.0400	0.0386	
61 1,4-Dioxane	88	12.640	12.621	0.019	65	2486	0.0400	0.0441	
62 Methyl methacrylate	41	12.687	12.686	0.001	94	5277	0.0400	0.0407	
63 Methylcyclohexane	83	13.162	13.156	0.006	96	9099	0.0400	0.0403	
64 4-Methyl-2-pentanone (MIBK)	43	13.550	13.541	0.009	96	9688	0.0400	0.0390	
65 cis-1,3-Dichloropropene	75	13.617	13.615	0.002	91	7883	0.0400	0.0374	
66 trans-1,3-Dichloropropene	75	14.304	14.307	-0.003	96	6936	0.0400	0.0378	
67 Toluene	91	14.439	14.436	0.003	91	21520	0.0400	0.0459	
68 1,1,2-Trichloroethane	83	14.516	14.513	0.003	93	6818	0.0400	0.0433	
69 2-Hexanone	58	14.883	14.872	0.011	94	4516	0.0400	0.0376	
70 n-Octane	85	15.095	15.095	0.000	93	4404	0.0400	0.0386	
71 Chlorodibromomethane	129	15.219	15.223	-0.004	96	9720	0.0400	0.0342	
72 Ethylene Dibromide	107	15.514	15.515	-0.001	98	10657	0.0400	0.0402	
73 Tetrachloroethene	129	15.581	15.579	0.002	94	7559	0.0400	0.0427	
75 2,3-Dimethylheptane	43	16.439	16.441	-0.002	87	16100	0.0400	0.0457	
74 Chlorobenzene	112	16.460	16.457	0.003	96	16234	0.0400	0.0450	
76 Ethylbenzene	91	16.734	16.735	-0.001	98	25741	0.0400	0.0435	
77 m-Xylene & p-Xylene	91	16.894	16.894	0.000	98	40031	0.0800	0.0852	
78 n-Nonane	57	17.281	17.282	-0.001	90	9701	0.0400	0.0394	
80 Styrene	104	17.364	17.361	0.003	98	12304	0.0400	0.0379	
79 Bromoform	173	17.359	17.364	-0.005	80	9174	0.0400	0.0293	
81 o-Xylene	91	17.421	17.422	-0.001	96	21396	0.0400	0.0437	
82 1,1,2,2-Tetrachloroethane	83	17.741	17.742	-0.001	98	15792	0.0400	0.0406	
83 1,2,3-Trichloropropane	110	17.896	17.899	-0.003	98	2939	0.0400	0.0379	

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	17.989	17.991	-0.002	97	27218	0.0400	0.0429	
85 N-Propylbenzene	120	18.501	18.501	0.000	98	6143	0.0400	0.0366	
86 2-Chlorotoluene	126	18.553	18.554	-0.001	96	7131	0.0400	0.0438	
87 4-Ethyltoluene	105	18.641	18.642	-0.001	99	26279	0.0400	0.0411	
88 1,3,5-Trimethylbenzene	120	18.713	18.710	0.003	91	10259	0.0400	0.0402	
89 Alpha Methyl Styrene	118	18.930	18.933	-0.003	89	9062	0.0400	0.0354	
90 n-Decane	57	18.961	18.963	-0.002	91	12072	0.0400	0.0372	
91 tert-Butylbenzene	119	19.121	19.122	-0.001	88	22723	0.0400	0.0398	
92 1,2,4-Trimethylbenzene	105	19.132	19.133	-0.001	96	22628	0.0400	0.0400	
93 sec-Butylbenzene	105	19.375	19.380	-0.005	98	31900	0.0400	0.0394	
94 1,3-Dichlorobenzene	146	19.406	19.407	-0.001	98	15534	0.0400	0.0425	
95 Benzyl chloride	91	19.473	19.475	-0.002	97	11826	0.0400	0.0301	
96 1,4-Dichlorobenzene	146	19.488	19.490	-0.002	93	15536	0.0400	0.0435	
97 4-Isopropyltoluene	119	19.530	19.532	-0.002	96	24579	0.0400	0.0388	
98 1,2,3-Trimethylbenzene	105	19.592	19.593	-0.001	98	21860	0.0400	0.0385	
99 Butylcyclohexane	83	19.633	19.635	-0.002	97	17121	0.0400	0.0374	
101 2,3-Dihydroindene	117	19.835	19.837	-0.002	93	19794	0.0400	0.0374	
100 1,2-Dichlorobenzene	146	19.840	19.841	-0.001	94	16046	0.0400	0.0434	
103 n-Butylbenzene	91	19.953	19.953	0.000	95	26683	0.0400	0.0378	
102 Indene	116	19.964	19.965	-0.001	86	15500	0.0400	0.0357	
104 Undecane	57	20.232	20.234	-0.002	94	12785	0.0400	0.0350	
105 1,2-Dibromo-3-Chloropropane	157	20.434	20.435	-0.001	92	5325	0.0400	0.0292	
106 1,2,4,5-Tetramethylbenzene	119	20.713	20.711	0.002	94	23473	0.0400	0.0375	
107 Dodecane	57	21.323	21.324	-0.001	94	13899	0.0400	0.0364	
108 1,2,4-Trichlorobenzene	180	21.566	21.567	-0.001	94	10866	0.0400	0.0380	
109 Naphthalene	128	21.695	21.696	-0.001	99	27749	0.0400	0.0432	
110 Hexachlorobutadiene	225	21.850	21.850	0.000	91	19228	0.0400	0.0483	
111 1,2,3-Trichlorobenzene	180	21.907	21.908	-0.001	94	14302	0.0400	0.0493	
112 2-Methylnaphthalene	142	22.445	22.445	0.000	97	6961	0.0400	0.0473	
113 1-Methylnaphthalene	142	22.574	22.574	0.000	99	12723	0.0400	0.0548	
A 115 C8 Range	1	15.088	(15.054-15.136)		0	42414	0.0400	0.0402	
S 116 Xylenes, Total	100				0		0.1200	0.1290	
S 117 1,2-Dichloroethene, Total	1				0		0.0800	0.0828	

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

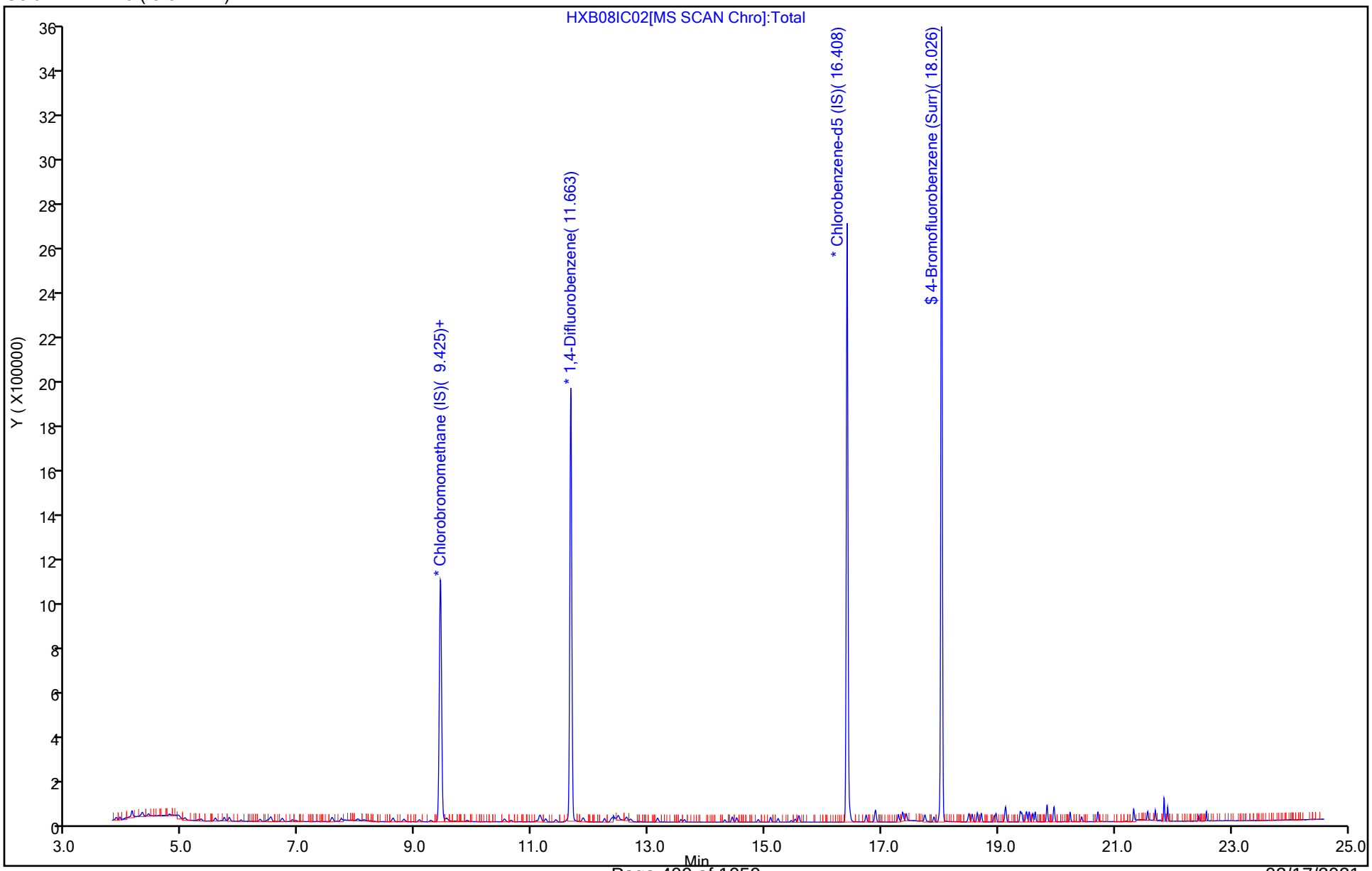
Report Date: 09-Feb-2021 11:31:02 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC02.D

Injection Date:	09-Feb-2021 02:25:30	Instrument ID:	MH	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:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

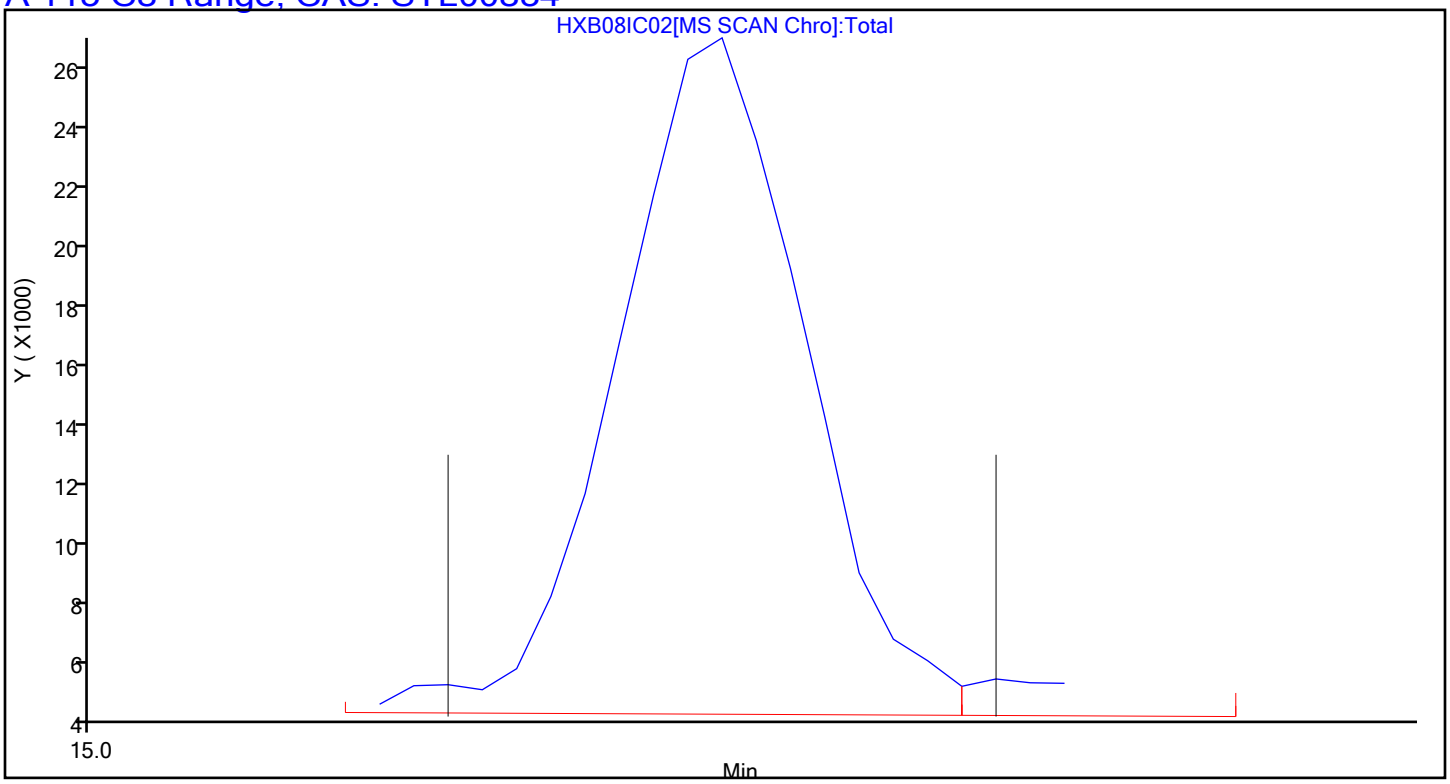


Report Date: 09-Feb-2021 11:31:02 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC02.D				
Injection Date:	09-Feb-2021 02:25:30	Instrument ID:	MH		
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:	MH_TO15	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\MH\20210208-18155.b\HXB08IC03.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 09-Feb-2021 03:17:30 ALS Bottle#: 1 Worklist Smp#: 11
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018155-011
Misc. Info.: 355967
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 09-Feb-2021 11:31:09 Calib Date: 09-Feb-2021 06:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: barlozhetskayaa Date: 09-Feb-2021 09:53:13

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	9.426	9.430	-0.004	85	424899	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.663	11.666	-0.003	94	1997257	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.408	16.409	-0.001	87	1715217	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.026	18.027	-0.001	94	1290884	4.64	4.54	
6 Chlorodifluoromethane	51	3.859	3.856	0.003	98	13250	0.0800	0.0852	
7 Propene	41	3.870	3.870	0.000	99	5585	0.0800	0.0878	
8 Dichlorodifluoromethane	85	3.926	3.926	0.000	99	26462	0.0800	0.0819	
9 Chloromethane	52	4.138	4.129	0.009	47	2409	0.0800	0.0984	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.133	4.134	-0.001	90	19224	0.0800	0.0816	
11 Acetaldehyde	44	4.304	4.302	0.002	95	18884	0.4000	0.6481	
12 Vinyl chloride	62	4.319	4.320	-0.001	98	8422	0.0800	0.0876	
14 Butadiene	54	4.417	4.416	0.001	67	4779	0.0800	0.0803	
13 Butane	43	4.417	4.413	0.004	85	8974	0.0800	0.0872	
15 Bromomethane	94	4.779	4.777	0.002	98	10097	0.0800	0.0888	
16 Chloroethane	64	4.939	4.935	0.004	93	3239	0.0800	0.0812	
17 Ethanol	31	5.032	5.032	0.000	94	14580	0.4000	0.4091	
18 Vinyl bromide	106	5.270	5.270	0.000	98	9830	0.0800	0.0828	
19 2-Methylbutane	43	5.317	5.317	0.000	90	8040	0.0800	0.0816	
20 Trichlorofluoromethane	101	5.565	5.561	0.004	99	24645	0.0800	0.0798	
21 Acrolein	56	5.580	5.575	0.005	85	3230	0.0800	0.1004	
22 Acetonitrile	40	5.647	5.650	-0.003	99	2947	0.0800	0.0828	
23 Acetone	58	5.709	5.699	0.010	97	15189	0.2400	0.3291	
24 Pentane	72	5.808	5.802	0.006	74	1011	0.0800	0.0871	
25 Isopropyl alcohol	45	5.797	5.783	0.014	87	25811	0.2400	0.2374	
26 Ethyl ether	31	5.994	5.981	0.013	95	7395	0.0800	0.0824	
27 1,1-Dichloroethene	96	6.330	6.331	-0.001	98	9617	0.0800	0.0819	
28 Acrylonitrile	53	6.449	6.444	0.005	73	6169	0.0800	0.0887	
29 2-Methyl-2-propanol	59	6.454	6.432	0.022	95	11152	0.0800	0.0791	
30 112TCTFE	101	6.516	6.514	0.002	96	20948	0.0800	0.0805	
31 Methylene Chloride	84	6.707	6.706	0.001	90	10296	0.0800	0.0949	

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	6.717	6.721	-0.004	84	6840	0.0800	0.0879	
33 Carbon disulfide	76	6.883	6.884	-0.001	98	26655	0.0800	0.0792	
34 trans-1,2-Dichloroethene	96	7.560	7.563	-0.003	98	9162	0.0800	0.0796	
35 2-Methylpentane	43	7.570	7.572	-0.002	93	15891	0.0800	0.0802	
36 Methyl tert-butyl ether	73	7.704	7.687	0.017	96	20265	0.0800	0.0800	
37 1,1-Dichloroethane	63	8.009	8.011	-0.002	99	16556	0.0800	0.0830	
38 Vinyl acetate	43	8.108	8.108	0.000	100	16352	0.0800	0.0741	
39 2-Butanone (MEK)	72	8.604	8.588	0.016	89	4570	0.0800	0.0863	
40 Hexane	56	8.614	8.616	-0.002	77	6335	0.0800	0.0884	
41 Isopropyl ether	45	8.790	8.778	0.012	94	24698	0.0800	0.0805	
42 cis-1,2-Dichloroethene	96	9.069	9.068	0.001	95	9648	0.0800	0.0789	
43 Ethyl acetate	43	9.255	9.244	0.011	99	16892	0.0800	0.0807	
44 Chloroform	83	9.426	9.435	-0.009	36	22316	0.0800	0.0821	
45 Tert-butyl ethyl ether	59	9.524	9.507	0.017	96	22225	0.0800	0.0783	
46 Tetrahydrofuran	42	9.875	9.855	0.020	88	8425	0.0800	0.0826	
47 1,1,1-Trichloroethane	97	10.532	10.527	0.005	96	20332	0.0800	0.0815	
48 1,2-Dichloroethane	62	10.640	10.641	-0.001	97	12940	0.0800	0.0821	
49 n-Butanol	31	11.064	11.048	0.016	85	2930	0.0800	0.0820	
51 Benzene	78	11.131	11.132	-0.001	95	29729	0.0800	0.0804	
50 Cyclohexane	69	11.126	11.132	-0.006	66	4320	0.0800	0.0794	
52 Carbon tetrachloride	117	11.152	11.155	-0.003	99	19252	0.0800	0.0736	
53 2,3-Dimethylpentane	71	11.229	11.233	-0.004	92	5997	0.0800	0.0808	
54 Thiophene	84	11.410	11.411	-0.001	92	16764	0.0800	0.0794	
55 Isooctane	57	11.875	11.876	-0.001	98	40164	0.0800	0.0795	
56 n-Heptane	71	12.247	12.247	0.000	90	8803	0.0800	0.0777	
57 1,2-Dichloropropane	63	12.356	12.355	0.001	95	11709	0.0800	0.0792	
58 Trichloroethene	130	12.382	12.388	-0.006	92	12711	0.0800	0.0762	
59 Dibromomethane	93	12.475	12.480	-0.005	96	14740	0.0800	0.0822	
60 Dichlorobromomethane	83	12.620	12.622	-0.002	99	20594	0.0800	0.0733	
61 1,4-Dioxane	88	12.640	12.621	0.019	79	4340	0.0800	0.0789	
62 Methyl methacrylate	41	12.687	12.686	0.001	95	9740	0.0800	0.0769	
63 Methylcyclohexane	83	13.157	13.156	0.001	95	16608	0.0800	0.0753	
64 4-Methyl-2-pentanone (MIBK)	43	13.550	13.541	0.009	97	18768	0.0800	0.0775	
65 cis-1,3-Dichloropropene	75	13.612	13.615	-0.003	91	14807	0.0800	0.0718	
66 trans-1,3-Dichloropropene	75	14.310	14.307	0.003	94	13325	0.0800	0.0744	
67 Toluene	91	14.434	14.436	-0.002	92	37305	0.0800	0.0816	
68 1,1,2-Trichloroethane	83	14.506	14.513	-0.007	94	12393	0.0800	0.0808	
69 2-Hexanone	58	14.878	14.872	0.006	93	8688	0.0800	0.0742	
70 n-Octane	85	15.095	15.095	0.000	92	8519	0.0800	0.0765	
71 Chlorodibromomethane	129	15.224	15.223	0.001	96	18826	0.0800	0.0680	
72 Ethylene Dibromide	107	15.514	15.515	-0.001	98	19784	0.0800	0.0765	
73 Tetrachloroethene	129	15.576	15.579	-0.003	95	13391	0.0800	0.0776	
75 2,3-Dimethylheptane	43	16.439	16.441	-0.002	91	29069	0.0800	0.0846	
74 Chlorobenzene	112	16.454	16.457	-0.003	95	28322	0.0800	0.0806	
76 Ethylbenzene	91	16.734	16.735	-0.001	98	45133	0.0800	0.0782	
77 m-Xylene & p-Xylene	91	16.894	16.894	0.000	99	72791	0.1600	0.1589	
78 n-Nonane	57	17.281	17.282	-0.001	92	18113	0.0800	0.0754	
79 Bromoform	173	17.364	17.364	0.000	90	16903	0.0800	0.0554	
80 Styrene	104	17.359	17.361	-0.002	98	23037	0.0800	0.0727	
81 o-Xylene	91	17.421	17.422	-0.001	98	37527	0.0800	0.0787	
82 1,1,2,2-Tetrachloroethane	83	17.741	17.742	-0.001	98	29160	0.0800	0.0770	
83 1,2,3-Trichloropropane	110	17.896	17.899	-0.003	97	5874	0.0800	0.0777	

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	17.989	17.991	-0.002	96	49502	0.0800	0.0800	
85 N-Propylbenzene	120	18.496	18.501	-0.005	98	12284	0.0800	0.0750	
86 2-Chlorotoluene	126	18.553	18.554	-0.001	97	12484	0.0800	0.0785	
87 4-Ethyltoluene	105	18.641	18.642	-0.001	99	48261	0.0800	0.0774	
88 1,3,5-Trimethylbenzene	120	18.708	18.710	-0.002	91	18430	0.0800	0.0740	
89 Alpha Methyl Styrene	118	18.935	18.933	0.002	88	17236	0.0800	0.0691	
90 n-Decane	57	18.961	18.963	-0.002	91	23496	0.0800	0.0743	
91 tert-Butylbenzene	119	19.121	19.122	-0.001	92	41117	0.0800	0.0738	
92 1,2,4-Trimethylbenzene	105	19.132	19.133	-0.001	95	42859	0.0800	0.0776	
93 sec-Butylbenzene	105	19.380	19.380	0.000	98	58008	0.0800	0.0734	
94 1,3-Dichlorobenzene	146	19.406	19.407	-0.001	98	27416	0.0800	0.0769	
95 Benzyl chloride	91	19.473	19.475	-0.002	98	23268	0.0800	0.0606	
96 1,4-Dichlorobenzene	146	19.488	19.490	-0.002	93	26640	0.0800	0.0765	
97 4-Isopropyltoluene	119	19.530	19.532	-0.002	96	46666	0.0800	0.0756	
98 1,2,3-Trimethylbenzene	105	19.592	19.593	-0.001	99	41271	0.0800	0.0745	
99 Butylcyclohexane	83	19.633	19.635	-0.002	97	33791	0.0800	0.0757	
101 2,3-Dihydroindene	117	19.835	19.837	-0.002	93	37104	0.0800	0.0718	
100 1,2-Dichlorobenzene	146	19.840	19.841	-0.001	96	28186	0.0800	0.0782	
103 n-Butylbenzene	91	19.953	19.953	0.000	95	50467	0.0800	0.0732	
102 Indene	116	19.964	19.965	-0.001	89	30365	0.0800	0.0717	
104 Undecane	57	20.233	20.234	-0.001	95	26319	0.0800	0.0739	
105 1,2-Dibromo-3-Chloropropane	157	20.434	20.435	-0.001	93	9819	0.0800	0.0552	
106 1,2,4,5-Tetramethylbenzene	119	20.708	20.711	-0.003	95	45148	0.0800	0.0740	
107 Dodecane	57	21.323	21.324	-0.001	95	28537	0.0800	0.0767	
108 1,2,4-Trichlorobenzene	180	21.566	21.567	-0.001	93	18912	0.0800	0.0678	
109 Naphthalene	128	21.695	21.696	-0.001	100	50096	0.0800	0.0799	
110 Hexachlorobutadiene	225	21.850	21.850	0.000	90	36553	0.0800	0.0942	
111 1,2,3-Trichlorobenzene	180	21.907	21.908	-0.001	95	24657	0.0800	0.0871	
112 2-Methylnaphthalene	142	22.445	22.445	0.000	100	11052	0.0800	0.0769	
113 1-Methylnaphthalene	142	22.574	22.574	0.000	100	21162	0.0800	0.0934	
A 115 C8 Range	1	15.095	(15.054-15.137)		0	80861	0.0800	0.0785	
S 116 Xylenes, Total	100				0		0.2400	0.2375	
S 117 1,2-Dichloroethene, Total	1				0		0.1600	0.1585	

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

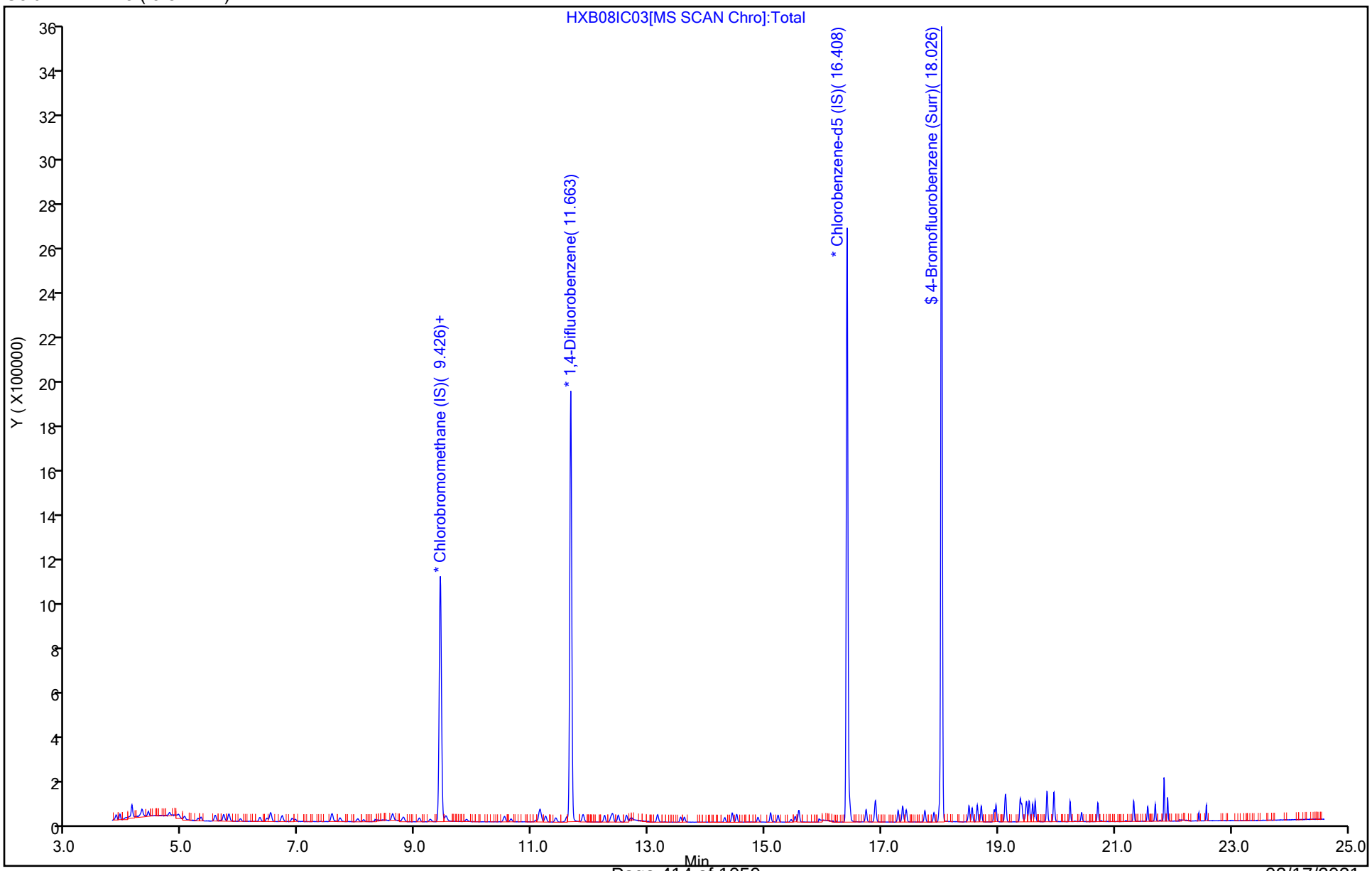
Report Date: 09-Feb-2021 11:31:10 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC03.D

Injection Date:	09-Feb-2021 03:17:30	Instrument ID:	MH	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:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

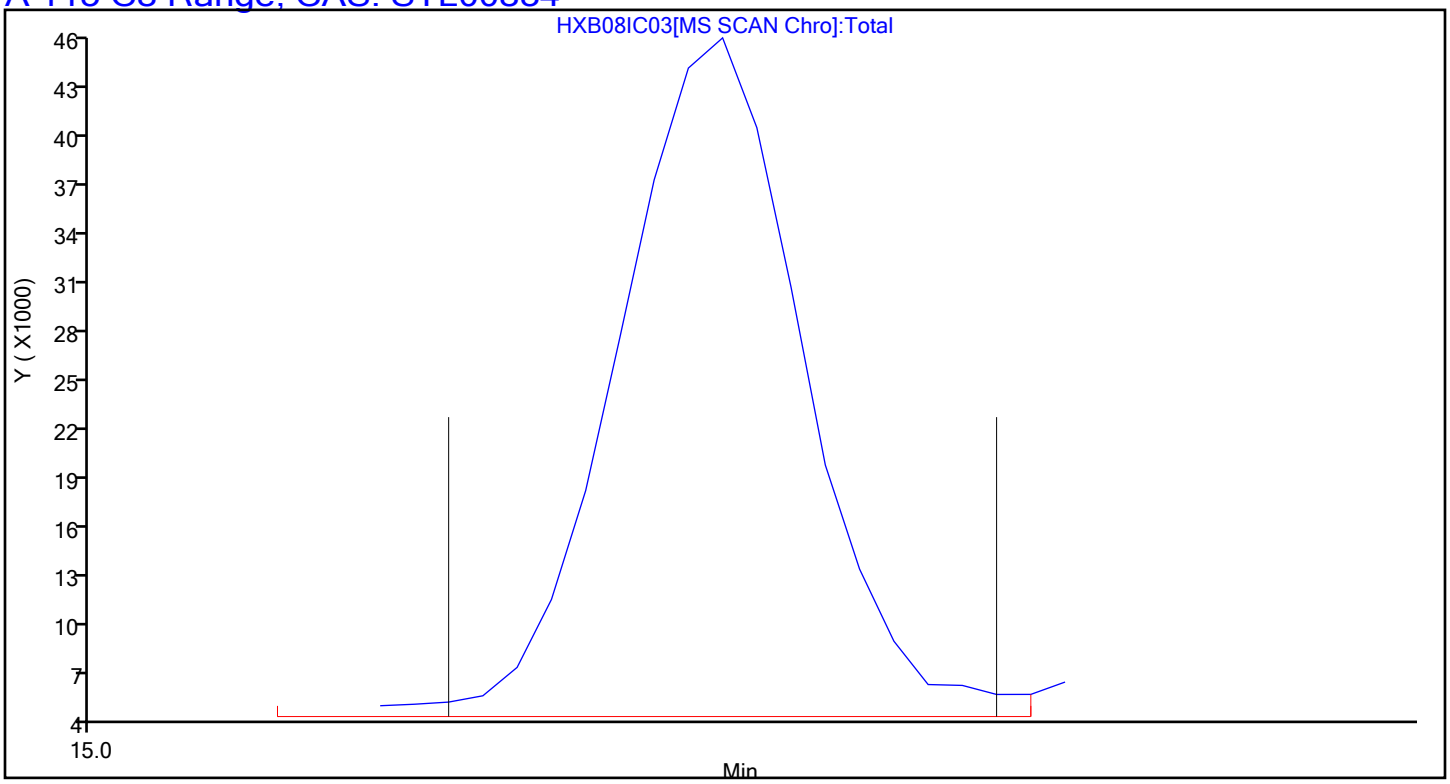


Report Date: 09-Feb-2021 11:31:10 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC03.D				
Injection Date:	09-Feb-2021 03:17:30	Instrument ID:	MH		
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:	MH_TO15	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\MH\20210208-18155.b\HXB08IC04.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 09-Feb-2021 04:09:30 ALS Bottle#: 2 Worklist Smp#: 12
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018155-012
Misc. Info.: 355965
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 09-Feb-2021 11:31:18 Calib Date: 09-Feb-2021 06:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: barlozhetskayaa Date: 09-Feb-2021 09:53:30

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	9.426	9.430	-0.004	89	429583	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.663	11.666	-0.003	94	2021205	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.408	16.409	-0.001	87	1744119	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.026	18.027	-0.001	94	1313064	4.64	4.54	
6 Chlorodifluoromethane	51	3.859	3.856	0.003	96	25635	0.1600	0.1630	
7 Propene	41	3.870	3.870	0.000	99	11397	0.1600	0.1773	
8 Dichlorodifluoromethane	85	3.926	3.926	0.000	99	53592	0.1600	0.1641	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.133	4.134	-0.001	91	39583	0.1600	0.1661	
9 Chloromethane	52	4.128	4.129	-0.001	48	4974	0.1600	0.2011	
11 Acetaldehyde	44	4.304	4.302	0.002	93	29758	0.8000	1.01	
12 Vinyl chloride	62	4.319	4.320	-0.001	99	16304	0.1600	0.1676	
13 Butane	43	4.412	4.413	-0.001	84	17901	0.1600	0.1720	
14 Butadiene	54	4.417	4.416	0.001	71	10001	0.1600	0.1661	
15 Bromomethane	94	4.774	4.777	-0.003	98	19536	0.1600	0.1699	
16 Chloroethane	64	4.934	4.935	-0.001	98	7428	0.1600	0.1841	
17 Ethanol	31	5.032	5.032	0.000	94	30024	0.8000	0.8332	
18 Vinyl bromide	106	5.270	5.270	0.000	96	19163	0.1600	0.1596	
19 2-Methylbutane	43	5.312	5.317	-0.005	92	16689	0.1600	0.1674	
20 Trichlorofluoromethane	101	5.560	5.561	-0.001	99	50056	0.1600	0.1602	
21 Acrolein	56	5.575	5.575	0.000	89	5821	0.1600	0.1789	
22 Acetonitrile	40	5.647	5.650	-0.003	100	5143	0.1600	0.1429	
23 Acetone	58	5.699	5.699	0.000	97	26590	0.4800	0.5698	
25 Isopropyl alcohol	45	5.787	5.783	0.004	93	54249	0.4800	0.4936	
24 Pentane	72	5.797	5.802	-0.005	95	1902	0.1600	0.1620	
26 Ethyl ether	31	5.989	5.981	0.008	95	14931	0.1600	0.1646	
27 1,1-Dichloroethene	96	6.330	6.331	-0.001	98	19383	0.1600	0.1633	
28 Acrylonitrile	53	6.438	6.444	-0.006	68	11673	0.1600	0.1660	
29 2-Methyl-2-propanol	59	6.443	6.432	0.011	93	22714	0.1600	0.1594	
30 112TCTFE	101	6.511	6.514	-0.003	96	41845	0.1600	0.1590	
31 Methylene Chloride	84	6.702	6.706	-0.004	91	18500	0.1600	0.1686	

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	6.717	6.721	-0.004	97	13450	0.1600	0.1709	
33 Carbon disulfide	76	6.883	6.884	-0.001	98	54664	0.1600	0.1607	
34 trans-1,2-Dichloroethene	96	7.560	7.563	-0.003	99	18438	0.1600	0.1585	
35 2-Methylpentane	43	7.570	7.572	-0.002	93	33272	0.1600	0.1661	
36 Methyl tert-butyl ether	73	7.699	7.687	0.012	96	41654	0.1600	0.1627	
37 1,1-Dichloroethane	63	8.009	8.011	-0.002	99	32720	0.1600	0.1622	
38 Vinyl acetate	43	8.102	8.108	-0.006	100	33821	0.1600	0.1516	
39 2-Butanone (MEK)	72	8.593	8.588	0.005	97	9121	0.1600	0.1703	
40 Hexane	56	8.614	8.616	-0.002	83	11705	0.1600	0.1616	
41 Isopropyl ether	45	8.785	8.778	0.007	95	50658	0.1600	0.1633	
42 cis-1,2-Dichloroethene	96	9.064	9.068	-0.004	94	19953	0.1600	0.1614	
43 Ethyl acetate	43	9.245	9.244	0.001	99	33196	0.1600	0.1568	
44 Chloroform	83	9.431	9.435	-0.004	88	43588	0.1600	0.1586	
45 Tert-butyl ethyl ether	59	9.513	9.507	0.006	96	46366	0.1600	0.1617	
46 Tetrahydrofuran	42	9.865	9.855	0.010	90	16674	0.1600	0.1616	
47 1,1,1-Trichloroethane	97	10.526	10.527	-0.001	97	39780	0.1600	0.1578	
48 1,2-Dichloroethane	62	10.640	10.641	-0.001	97	25222	0.1600	0.1581	
49 n-Butanol	31	11.064	11.048	0.016	89	5665	0.1600	0.1566	
50 Cyclohexane	69	11.131	11.132	-0.001	76	8892	0.1600	0.1616	
51 Benzene	78	11.131	11.132	-0.001	95	59937	0.1600	0.1602	
52 Carbon tetrachloride	117	11.152	11.155	-0.003	99	41246	0.1600	0.1559	
53 2,3-Dimethylpentane	71	11.234	11.233	0.001	91	12153	0.1600	0.1617	
54 Thiophene	84	11.410	11.411	-0.001	92	34013	0.1600	0.1591	
55 Isooctane	57	11.875	11.876	-0.001	97	80696	0.1600	0.1579	
56 n-Heptane	71	12.247	12.247	0.000	91	17635	0.1600	0.1539	
57 1,2-Dichloropropane	63	12.351	12.355	-0.004	96	23704	0.1600	0.1585	
58 Trichloroethene	130	12.387	12.388	-0.001	94	25473	0.1600	0.1510	
59 Dibromomethane	93	12.480	12.480	0.000	94	29065	0.1600	0.1603	
60 Dichlorobromomethane	83	12.620	12.622	-0.002	98	43020	0.1600	0.1514	
61 1,4-Dioxane	88	12.625	12.621	0.004	35	8742	0.1600	0.1571	
62 Methyl methacrylate	41	12.687	12.686	0.001	96	19879	0.1600	0.1551	
63 Methylcyclohexane	83	13.152	13.156	-0.004	96	34116	0.1600	0.1528	
64 4-Methyl-2-pentanone (MIBK)	43	13.545	13.541	0.004	97	38334	0.1600	0.1563	
65 cis-1,3-Dichloropropene	75	13.612	13.615	-0.003	92	30628	0.1600	0.1469	
66 trans-1,3-Dichloropropene	75	14.310	14.307	0.003	96	26671	0.1600	0.1464	
67 Toluene	91	14.434	14.436	-0.002	91	74105	0.1600	0.1593	
68 1,1,2-Trichloroethane	83	14.511	14.513	-0.002	94	24530	0.1600	0.1572	
69 2-Hexanone	58	14.873	14.872	0.001	93	17341	0.1600	0.1457	
70 n-Octane	85	15.095	15.095	0.000	92	17051	0.1600	0.1505	
71 Chlorodibromomethane	129	15.224	15.223	0.001	97	41018	0.1600	0.1457	
72 Ethylene Dibromide	107	15.514	15.515	-0.001	97	40263	0.1600	0.1531	
73 Tetrachloroethene	129	15.581	15.579	0.002	95	27235	0.1600	0.1553	
75 2,3-Dimethylheptane	43	16.439	16.441	-0.002	95	57442	0.1600	0.1644	
74 Chlorobenzene	112	16.460	16.457	0.003	94	55951	0.1600	0.1565	
76 Ethylbenzene	91	16.734	16.735	-0.001	98	92450	0.1600	0.1575	
77 m-Xylene & p-Xylene	91	16.894	16.894	0.000	98	144849	0.3200	0.3109	
78 n-Nonane	57	17.281	17.282	-0.001	91	36843	0.1600	0.1508	
80 Styrene	104	17.359	17.361	-0.002	99	46504	0.1600	0.1443	
79 Bromoform	173	17.364	17.364	0.000	92	39709	0.1600	0.1280	
81 o-Xylene	91	17.421	17.422	-0.001	97	75612	0.1600	0.1559	
82 1,1,2,2-Tetrachloroethane	83	17.741	17.742	-0.001	98	59105	0.1600	0.1534	
83 1,2,3-Trichloropropane	110	17.902	17.899	0.003	99	12304	0.1600	0.1600	

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	17.990	17.991	-0.001	96	97541	0.1600	0.1551	
85 N-Propylbenzene	120	18.501	18.501	0.000	98	24689	0.1600	0.1483	
86 2-Chlorotoluene	126	18.553	18.554	-0.001	96	24992	0.1600	0.1546	
87 4-Ethyltoluene	105	18.641	18.642	-0.001	98	96787	0.1600	0.1527	
88 1,3,5-Trimethylbenzene	120	18.708	18.710	-0.002	91	37840	0.1600	0.1495	
89 Alpha Methyl Styrene	118	18.935	18.933	0.002	87	35589	0.1600	0.1403	
90 n-Decane	57	18.961	18.963	-0.002	90	50834	0.1600	0.1580	
91 tert-Butylbenzene	119	19.121	19.122	-0.001	91	85322	0.1600	0.1507	
92 1,2,4-Trimethylbenzene	105	19.132	19.133	-0.001	96	86695	0.1600	0.1545	
93 sec-Butylbenzene	105	19.380	19.380	0.000	98	122003	0.1600	0.1518	
94 1,3-Dichlorobenzene	146	19.406	19.407	-0.001	99	54049	0.1600	0.1491	
95 Benzyl chloride	91	19.478	19.475	0.003	98	49016	0.1600	0.1256	
96 1,4-Dichlorobenzene	146	19.488	19.490	-0.002	93	51349	0.1600	0.1450	
97 4-Isopropyltoluene	119	19.530	19.532	-0.002	96	94065	0.1600	0.1498	
98 1,2,3-Trimethylbenzene	105	19.592	19.593	-0.001	99	85694	0.1600	0.1521	
99 Butylcyclohexane	83	19.633	19.635	-0.002	98	70518	0.1600	0.1554	
101 2,3-Dihydroindene	117	19.835	19.837	-0.002	93	77948	0.1600	0.1484	
100 1,2-Dichlorobenzene	146	19.840	19.841	-0.001	96	55534	0.1600	0.1514	
103 n-Butylbenzene	91	19.954	19.953	0.001	95	106269	0.1600	0.1516	
102 Indene	116	19.964	19.965	-0.001	87	62348	0.1600	0.1448	
104 Undecane	57	20.233	20.234	-0.001	95	56576	0.1600	0.1562	
105 1,2-Dibromo-3-Chloropropane	157	20.434	20.435	-0.001	94	22833	0.1600	0.1263	
106 1,2,4,5-Tetramethylbenzene	119	20.713	20.711	0.002	95	92912	0.1600	0.1497	
107 Dodecane	57	21.323	21.324	-0.001	95	62932	0.1600	0.1664	
108 1,2,4-Trichlorobenzene	180	21.566	21.567	-0.001	93	38473	0.1600	0.1356	
109 Naphthalene	128	21.695	21.696	-0.001	99	96748	0.1600	0.1518	
110 Hexachlorobutadiene	225	21.850	21.850	0.000	90	74904	0.1600	0.1898	
111 1,2,3-Trichlorobenzene	180	21.907	21.908	-0.001	94	46603	0.1600	0.1619	
112 2-Methylnaphthalene	142	22.445	22.445	0.000	99	19814	0.1600	0.1356	
113 1-Methylnaphthalene	142	22.574	22.574	0.000	98	39500	0.1600	0.1715	
A 115 C8 Range	1	15.100	(15.054-15.147)		0	163330	0.1600	0.1567	
S 116 Xylenes, Total	100				0		0.4800	0.4668	
S 117 1,2-Dichloroethene, Total	1				0		0.3200	0.3199	

QC Flag Legend

Processing Flags

Reagents:

40L4DQP_00024	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

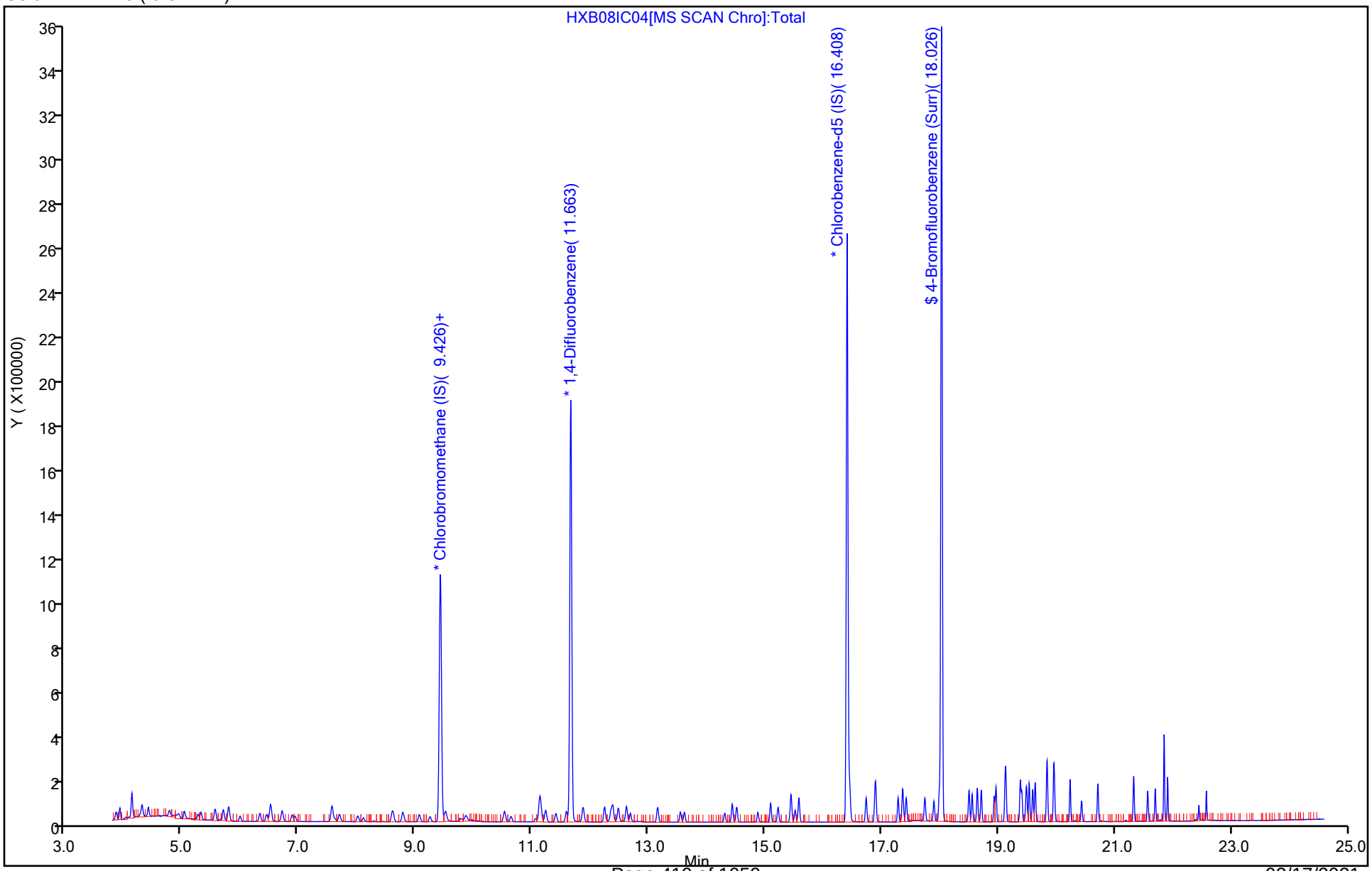
Report Date: 09-Feb-2021 11:31:19 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC04.D

Injection Date:	09-Feb-2021 04:09:30	Instrument ID:	MH	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:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

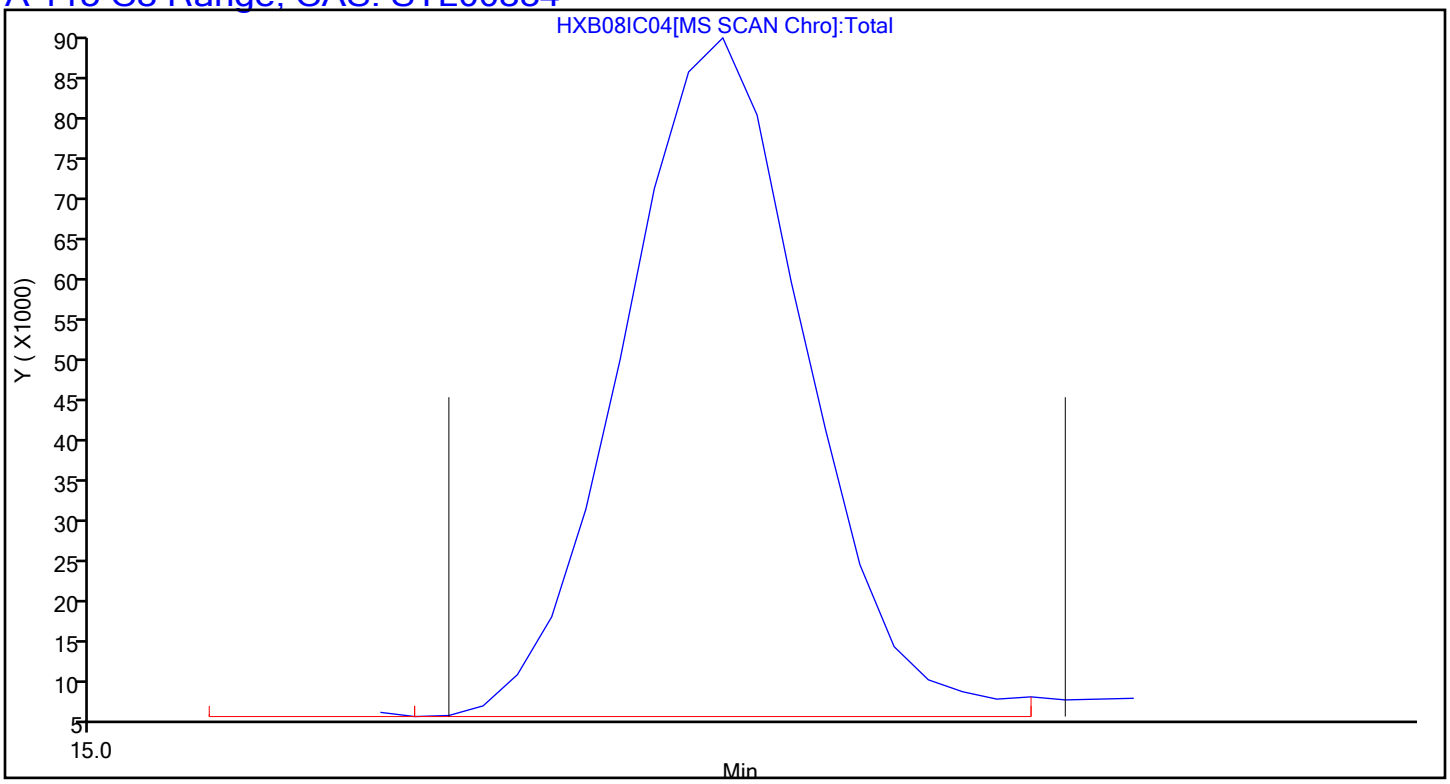


Report Date: 09-Feb-2021 11:31:19 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC04.D				
Injection Date:	09-Feb-2021 04:09:30	Instrument ID:	MH		
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:	MH_TO15	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\MH\20210208-18155.b\HXB08IC05.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 09-Feb-2021 05:00:30 ALS Bottle#: 3 Worklist Smp#: 13
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018155-013
Misc. Info.: 355964
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 09-Feb-2021 11:31:26 Calib Date: 09-Feb-2021 06:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: barlozhetskayaa Date: 09-Feb-2021 09:53:45

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	9.426	9.430	-0.004	89	417949	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.663	11.666	-0.003	94	1967324	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.408	16.409	-0.001	86	1706433	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.026	18.027	-0.001	94	1284489	4.64	4.54	
6 Chlorodifluoromethane	51	3.854	3.856	-0.002	96	63027	0.4000	0.4119	
7 Propene	41	3.870	3.870	0.000	99	26355	0.4000	0.4214	
8 Dichlorodifluoromethane	85	3.926	3.926	0.000	99	128470	0.4000	0.4043	
9 Chloromethane	52	4.128	4.129	-0.001	51	10693	0.4000	0.4443	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.133	4.134	-0.001	94	96399	0.4000	0.4158	
11 Acetaldehyde	44	4.304	4.302	0.002	94	62190	2.00	2.17	
12 Vinyl chloride	62	4.319	4.320	-0.001	98	38446	0.4000	0.4063	
13 Butane	43	4.412	4.413	-0.001	84	42046	0.4000	0.4153	
14 Butadiene	54	4.417	4.416	0.001	72	25085	0.4000	0.4283	
15 Bromomethane	94	4.774	4.777	-0.003	98	46054	0.4000	0.4116	
16 Chloroethane	64	4.934	4.935	-0.001	96	17022	0.4000	0.4336	
17 Ethanol	31	5.022	5.032	-0.010	94	71532	2.00	2.04	
18 Vinyl bromide	106	5.270	5.270	0.000	98	47030	0.4000	0.4026	
19 2-Methylbutane	43	5.322	5.317	0.005	91	39946	0.4000	0.4119	
20 Trichlorofluoromethane	101	5.560	5.561	-0.001	99	125100	0.4000	0.4116	
21 Acrolein	56	5.575	5.575	0.000	93	12725	0.4000	0.4020	
22 Acetonitrile	40	5.647	5.650	-0.003	100	15373	0.4000	0.4390	
23 Acetone	58	5.694	5.699	-0.005	97	57121	1.20	1.26	
25 Isopropyl alcohol	45	5.777	5.783	-0.006	97	127836	1.20	1.20	
24 Pentane	72	5.797	5.802	-0.005	95	4614	0.4000	0.4040	
26 Ethyl ether	31	5.978	5.981	-0.003	97	36034	0.4000	0.4083	
27 1,1-Dichloroethene	96	6.330	6.331	-0.001	99	46989	0.4000	0.4070	
28 Acrylonitrile	53	6.443	6.444	-0.001	92	26631	0.4000	0.3892	
29 2-Methyl-2-propanol	59	6.428	6.432	-0.004	96	56250	0.4000	0.4058	
30 112TCTFE	101	6.516	6.514	0.002	97	104210	0.4000	0.4069	
31 Methylene Chloride	84	6.707	6.706	0.001	89	44883	0.4000	0.4204	

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	6.722	6.721	0.001	96	30288	0.4000	0.3955	
33 Carbon disulfide	76	6.883	6.884	-0.001	98	134383	0.4000	0.4059	
34 trans-1,2-Dichloroethene	96	7.560	7.563	-0.003	99	45246	0.4000	0.3997	
35 2-Methylpentane	43	7.570	7.572	-0.002	92	80813	0.4000	0.4147	
36 Methyl tert-butyl ether	73	7.684	7.687	-0.003	96	102486	0.4000	0.4113	
37 1,1-Dichloroethane	63	8.009	8.011	-0.002	99	79117	0.4000	0.4030	
38 Vinyl acetate	43	8.102	8.108	-0.006	100	85849	0.4000	0.3955	
39 2-Butanone (MEK)	72	8.583	8.588	-0.005	98	20898	0.4000	0.4011	
40 Hexane	56	8.614	8.616	-0.002	91	28516	0.4000	0.4047	
41 Isopropyl ether	45	8.774	8.778	-0.004	96	123967	0.4000	0.4107	
42 cis-1,2-Dichloroethene	96	9.069	9.068	0.001	93	48420	0.4000	0.4026	
43 Ethyl acetate	43	9.239	9.244	-0.005	99	82315	0.4000	0.3997	
44 Chloroform	83	9.436	9.435	0.001	93	107299	0.4000	0.4013	
45 Tert-butyl ethyl ether	59	9.503	9.507	-0.004	96	113499	0.4000	0.4068	
46 Tetrahydrofuran	42	9.849	9.855	-0.006	89	40136	0.4000	0.3999	
47 1,1,1-Trichloroethane	97	10.526	10.527	-0.001	96	98209	0.4000	0.4003	
48 1,2-Dichloroethane	62	10.635	10.641	-0.006	98	61256	0.4000	0.3946	
49 n-Butanol	31	11.048	11.048	0.000	88	13536	0.4000	0.3844	
51 Benzene	78	11.126	11.132	-0.006	95	143479	0.4000	0.3941	
50 Cyclohexane	69	11.126	11.132	-0.006	90	21790	0.4000	0.4068	
52 Carbon tetrachloride	117	11.152	11.155	-0.003	97	97467	0.4000	0.3784	
53 2,3-Dimethylpentane	71	11.229	11.233	-0.004	91	28779	0.4000	0.3935	
54 Thiophene	84	11.410	11.411	-0.001	93	83108	0.4000	0.3994	
55 Isooctane	57	11.875	11.876	-0.001	98	198365	0.4000	0.3987	
56 n-Heptane	71	12.247	12.247	0.000	90	44902	0.4000	0.4025	
57 1,2-Dichloropropane	63	12.351	12.355	-0.004	96	58248	0.4000	0.4002	
58 Trichloroethene	130	12.387	12.388	-0.001	94	62243	0.4000	0.3790	
59 Dibromomethane	93	12.480	12.480	0.000	95	70432	0.4000	0.3990	
60 Dichlorobromomethane	83	12.620	12.622	-0.002	98	105460	0.4000	0.3812	
61 1,4-Dioxane	88	12.614	12.621	-0.007	37	21055	0.4000	0.3887	
62 Methyl methacrylate	41	12.687	12.686	0.001	96	47316	0.4000	0.3792	
63 Methylcyclohexane	83	13.157	13.156	0.001	96	85415	0.4000	0.3930	
64 4-Methyl-2-pentanone (MIBK)	43	13.540	13.541	-0.001	97	95001	0.4000	0.3980	
65 cis-1,3-Dichloropropene	75	13.617	13.615	0.002	91	77962	0.4000	0.3840	
66 trans-1,3-Dichloropropene	75	14.304	14.307	-0.003	96	67270	0.4000	0.3774	
67 Toluene	91	14.434	14.436	-0.002	92	176734	0.4000	0.3884	
68 1,1,2-Trichloroethane	83	14.511	14.513	-0.002	94	59992	0.4000	0.3930	
69 2-Hexanone	58	14.873	14.872	0.001	94	45379	0.4000	0.3897	
70 n-Octane	85	15.095	15.095	0.000	92	44089	0.4000	0.3978	
71 Chlorodibromomethane	129	15.219	15.223	-0.004	97	104168	0.4000	0.3783	
72 Ethylene Dibromide	107	15.514	15.515	-0.001	98	99734	0.4000	0.3877	
73 Tetrachloroethene	129	15.581	15.579	0.002	96	66548	0.4000	0.3878	
75 2,3-Dimethylheptane	43	16.439	16.441	-0.002	96	139153	0.4000	0.4071	
74 Chlorobenzene	112	16.454	16.457	-0.003	95	135346	0.4000	0.3870	
76 Ethylbenzene	91	16.734	16.735	-0.001	98	221625	0.4000	0.3859	
77 m-Xylene & p-Xylene	91	16.894	16.894	0.000	99	352162	0.8000	0.7726	
78 n-Nonane	57	17.281	17.282	-0.001	91	93718	0.4000	0.3920	
80 Styrene	104	17.359	17.361	-0.002	98	116458	0.4000	0.3693	
79 Bromoform	173	17.364	17.364	0.000	92	99039	0.4000	0.3263	
81 o-Xylene	91	17.421	17.422	-0.001	98	182826	0.4000	0.3853	
82 1,1,2,2-Tetrachloroethane	83	17.741	17.742	-0.001	98	147121	0.4000	0.3902	
83 1,2,3-Trichloropropane	110	17.896	17.899	-0.003	98	29461	0.4000	0.3916	

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	17.989	17.991	-0.002	96	236056	0.4000	0.3836	
85 N-Propylbenzene	120	18.501	18.501	0.000	98	61014	0.4000	0.3747	
86 2-Chlorotoluene	126	18.553	18.554	-0.001	96	59369	0.4000	0.3754	
87 4-Ethyltoluene	105	18.641	18.642	-0.001	99	237625	0.4000	0.3831	
88 1,3,5-Trimethylbenzene	120	18.708	18.710	-0.002	92	92275	0.4000	0.3727	
89 Alpha Methyl Styrene	118	18.935	18.933	0.002	87	90345	0.4000	0.3640	
90 n-Decane	57	18.961	18.963	-0.002	90	125033	0.4000	0.3972	
91 tert-Butylbenzene	119	19.121	19.122	-0.001	87	208844	0.4000	0.3770	
92 1,2,4-Trimethylbenzene	105	19.132	19.133	-0.001	96	207150	0.4000	0.3772	
93 sec-Butylbenzene	105	19.380	19.380	0.000	98	297147	0.4000	0.3778	
94 1,3-Dichlorobenzene	146	19.406	19.407	-0.001	98	126091	0.4000	0.3554	
95 Benzyl chloride	91	19.473	19.475	-0.002	98	128033	0.4000	0.3354	
96 1,4-Dichlorobenzene	146	19.488	19.490	-0.002	94	122453	0.4000	0.3535	
97 4-Isopropyltoluene	119	19.530	19.532	-0.002	96	233008	0.4000	0.3792	
98 1,2,3-Trimethylbenzene	105	19.592	19.593	-0.001	99	208143	0.4000	0.3775	
99 Butylcyclohexane	83	19.633	19.635	-0.002	97	170995	0.4000	0.3851	
101 2,3-Dihydroindene	117	19.835	19.837	-0.002	93	190054	0.4000	0.3699	
100 1,2-Dichlorobenzene	146	19.840	19.841	-0.001	97	130045	0.4000	0.3625	
103 n-Butylbenzene	91	19.953	19.953	0.000	95	257051	0.4000	0.3749	
102 Indene	116	19.964	19.965	-0.001	87	153812	0.4000	0.3651	
104 Undecane	57	20.233	20.234	-0.001	96	139535	0.4000	0.3937	
105 1,2-Dibromo-3-Chloropropane	157	20.434	20.435	-0.001	96	57477	0.4000	0.3250	
106 1,2,4,5-Tetramethylbenzene	119	20.713	20.711	0.002	95	217481	0.4000	0.3583	
107 Dodecane	57	21.323	21.324	-0.001	97	144169	0.4000	0.3895	
108 1,2,4-Trichlorobenzene	180	21.566	21.567	-0.001	93	87984	0.4000	0.3170	
109 Naphthalene	128	21.695	21.696	-0.001	99	212791	0.4000	0.3413	
110 Hexachlorobutadiene	225	21.850	21.850	0.000	90	154711	0.4000	0.4006	
111 1,2,3-Trichlorobenzene	180	21.907	21.908	-0.001	94	100082	0.4000	0.3555	
112 2-Methylnaphthalene	142	22.445	22.445	0.000	97	42311	0.4000	0.2960	
113 1-Methylnaphthalene	142	22.574	22.574	0.000	98	84298	0.4000	0.3740	
A 115 C8 Range	1	15.100	(15.044-15.157)		0	405215	0.4000	0.3995	
S 116 Xylenes, Total	100				0		1.20	1.16	
S 117 1,2-Dichloroethene, Total	1				0		0.8000	0.8023	

QC Flag Legend

Processing Flags

Reagents:

40L5DQP_00024	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

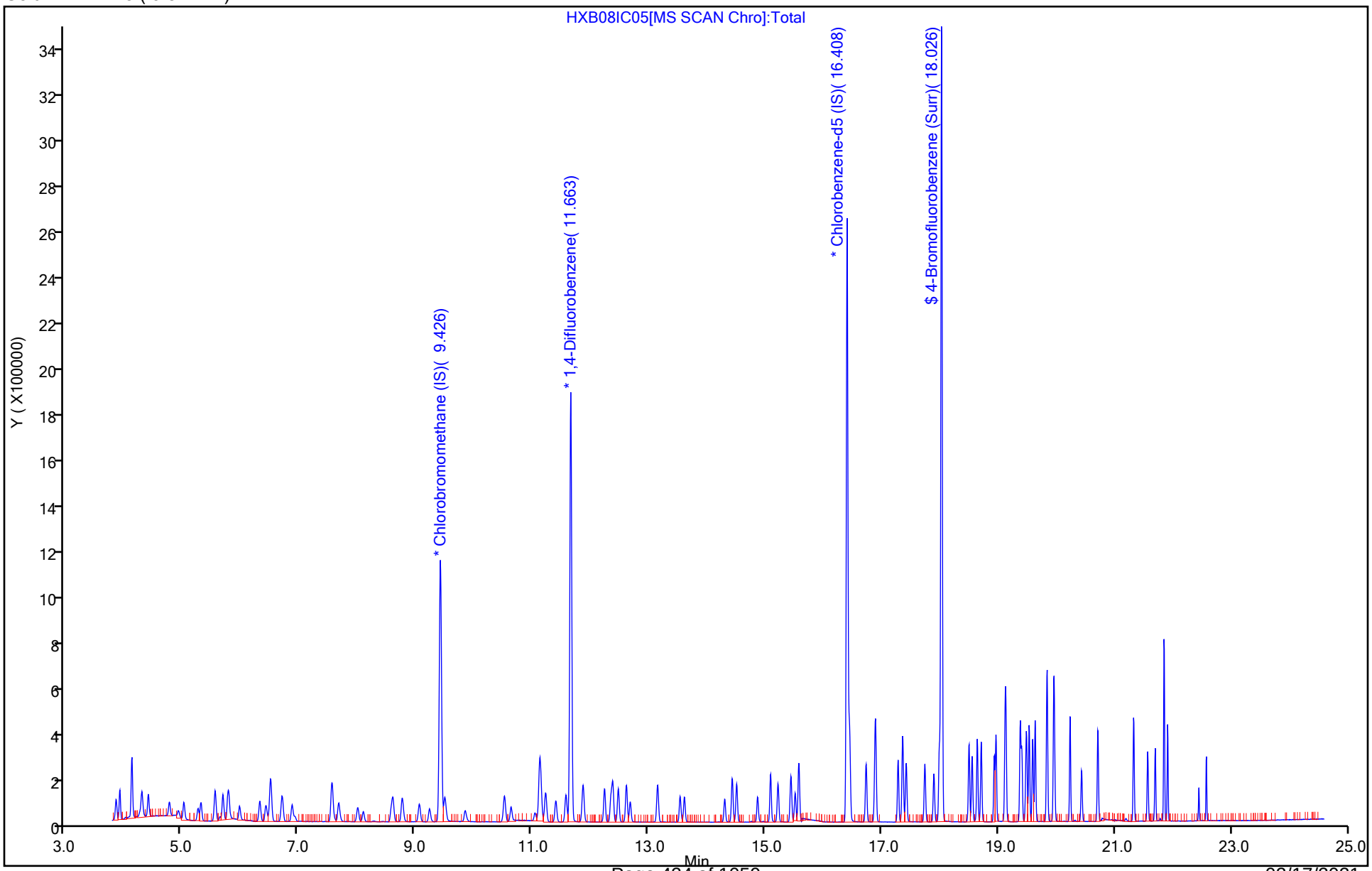
Report Date: 09-Feb-2021 11:31:28 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC05.D

Injection Date:	09-Feb-2021 05:00:30	Instrument ID:	MH	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:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

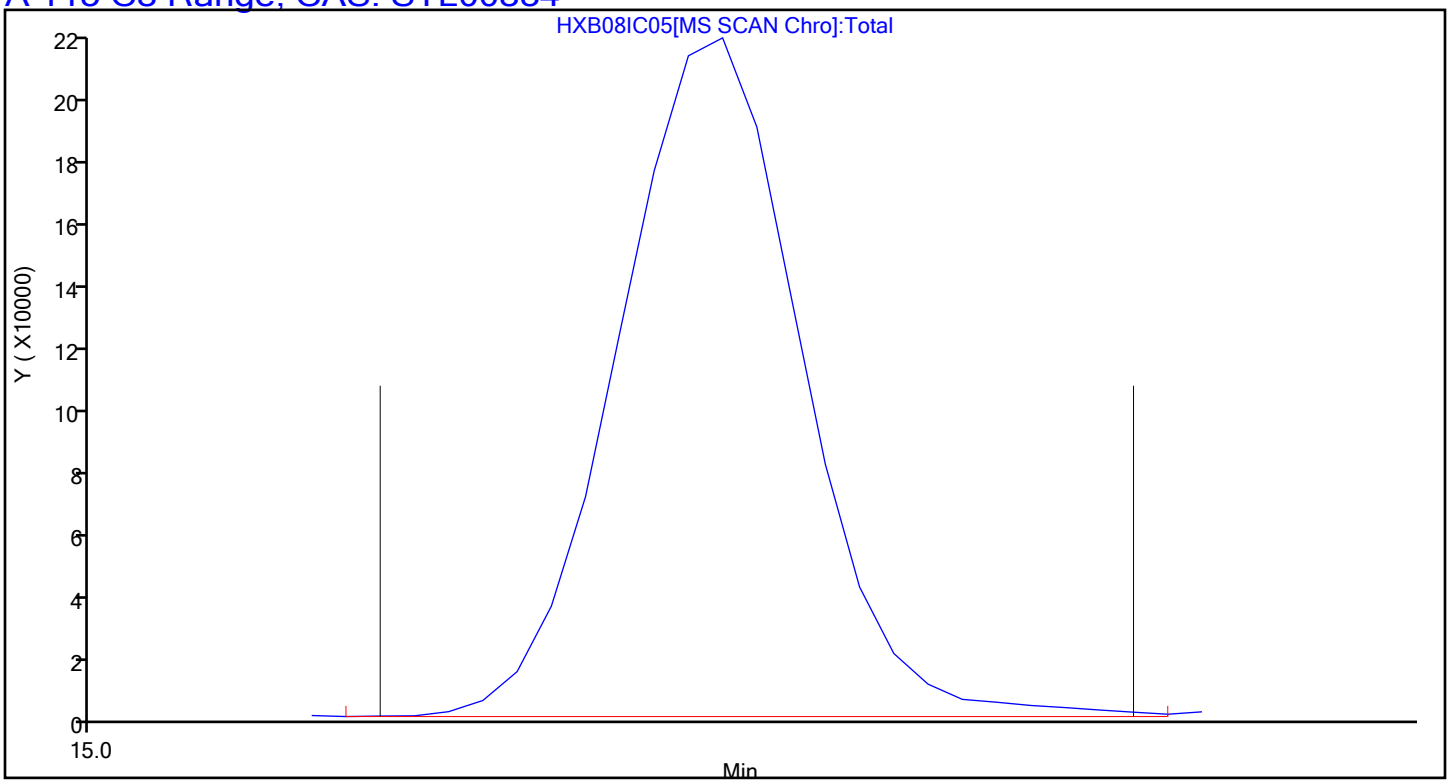


Report Date: 09-Feb-2021 11:31:28 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC05.D				
Injection Date:	09-Feb-2021 05:00:30	Instrument ID:	MH		
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:	MH_TO15	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\MH\20210208-18155.b\HXB08IC06.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 09-Feb-2021 05:52:30 ALS Bottle#: 4 Worklist Smp#: 14
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018155-014
Misc. Info.: 355963
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 09-Feb-2021 11:31:36 Calib Date: 09-Feb-2021 06:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: barlozhetskayaa Date: 09-Feb-2021 09:54:01

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	9.425	9.430	-0.005	88	428474	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.663	11.666	-0.003	94	2001835	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.408	16.409	-0.001	86	1744759	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.026	18.027	-0.001	94	1344025	4.64	4.64	
6 Chlorodifluoromethane	51	3.854	3.856	-0.002	96	158926	1.00	1.01	
7 Propene	41	3.869	3.870	-0.001	99	66014	1.00	1.03	
8 Dichlorodifluoromethane	85	3.921	3.926	-0.005	99	324550	1.00	1.00	
9 Chloromethane	52	4.128	4.129	-0.001	98	25032	1.00	1.01	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.133	4.134	-0.001	90	242979	1.00	1.02	
11 Acetaldehyde	44	4.298	4.302	-0.004	95	164057	5.00	5.58	
12 Vinyl chloride	62	4.314	4.320	-0.006	99	95922	1.00	0.9888	
13 Butane	43	4.412	4.413	-0.001	84	104190	1.00	1.00	
14 Butadiene	54	4.412	4.416	-0.004	72	61979	1.00	1.03	
15 Bromomethane	94	4.774	4.777	-0.003	98	115817	1.00	1.01	
16 Chloroethane	64	4.929	4.935	-0.006	97	40314	1.00	1.00	
17 Ethanol	31	5.022	5.032	-0.010	94	180002	5.00	5.01	
18 Vinyl bromide	106	5.265	5.270	-0.005	98	119833	1.00	1.00	
19 2-Methylbutane	43	5.317	5.317	0.000	91	101559	1.00	1.02	
20 Trichlorofluoromethane	101	5.560	5.561	-0.001	99	314761	1.00	1.01	
21 Acrolein	56	5.570	5.575	-0.005	92	33166	1.00	1.02	
22 Acetonitrile	40	5.642	5.650	-0.008	98	37669	1.00	1.05	
23 Acetone	58	5.689	5.699	-0.010	97	159570	3.00	3.43	
25 Isopropyl alcohol	45	5.766	5.783	-0.017	96	334151	3.00	3.05	
24 Pentane	72	5.797	5.802	-0.005	97	12084	1.00	1.03	
26 Ethyl ether	31	5.973	5.981	-0.008	96	92057	1.00	1.02	
27 1,1-Dichloroethene	96	6.324	6.331	-0.007	98	118813	1.00	1.00	
29 2-Methyl-2-propanol	59	6.412	6.432	-0.020	95	145857	1.00	1.03	
28 Acrylonitrile	53	6.438	6.444	-0.006	94	70873	1.00	1.01	
30 112TCTFE	101	6.510	6.514	-0.004	97	263960	1.00	1.01	
31 Methylene Chloride	84	6.702	6.706	-0.004	90	111563	1.00	1.02	

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	6.717	6.721	-0.004	97	78583	1.00	1.00	
33 Carbon disulfide	76	6.883	6.884	-0.001	97	344690	1.00	1.02	
34 trans-1,2-Dichloroethene	96	7.560	7.563	-0.003	99	116913	1.00	1.01	
35 2-Methylpentane	43	7.570	7.572	-0.002	94	206962	1.00	1.04	
36 Methyl tert-butyl ether	73	7.673	7.687	-0.014	96	260971	1.00	1.02	
37 1,1-Dichloroethane	63	8.009	8.011	-0.002	99	203098	1.00	1.01	
38 Vinyl acetate	43	8.102	8.108	-0.006	100	222046	1.00	1.00	
39 2-Butanone (MEK)	72	8.578	8.588	-0.010	99	54480	1.00	1.02	
40 Hexane	56	8.609	8.616	-0.007	92	71684	1.00	0.99	
41 Isopropyl ether	45	8.769	8.778	-0.009	96	312561	1.00	1.01	
42 cis-1,2-Dichloroethene	96	9.069	9.068	0.001	92	124669	1.00	1.01	
43 Ethyl acetate	43	9.234	9.244	-0.010	99	213474	1.00	1.01	
44 Chloroform	83	9.436	9.435	0.001	94	272331	1.00	0.99	
45 Tert-butyl ethyl ether	59	9.493	9.507	-0.014	96	293561	1.00	1.03	
46 Tetrahydrofuran	42	9.844	9.855	-0.011	89	104152	1.00	1.01	
47 1,1,1-Trichloroethane	97	10.526	10.527	-0.001	96	251786	1.00	1.00	
48 1,2-Dichloroethane	62	10.640	10.641	-0.001	98	158345	1.00	1.00	
49 n-Butanol	31	11.038	11.048	-0.010	86	35020	1.00	0.9774	
51 Benzene	78	11.131	11.132	-0.001	95	361368	1.00	0.9754	
50 Cyclohexane	69	11.131	11.132	-0.001	72	54456	1.00	1.00	
52 Carbon tetrachloride	117	11.152	11.155	-0.003	99	259224	1.00	0.9891	
53 2,3-Dimethylpentane	71	11.229	11.233	-0.004	92	74202	1.00	1.00	
54 Thiophene	84	11.410	11.411	-0.001	93	210768	1.00	1.00	
55 Isooctane	57	11.875	11.876	-0.001	98	505457	1.00	1.00	
56 n-Heptane	71	12.242	12.247	-0.005	89	114502	1.00	1.01	
57 1,2-Dichloropropane	63	12.356	12.355	0.001	95	145704	1.00	0.9837	
58 Trichloroethene	130	12.387	12.388	-0.001	94	159461	1.00	0.9543	
59 Dibromomethane	93	12.480	12.480	0.000	96	175783	1.00	0.9786	
61 1,4-Dioxane	88	12.614	12.621	-0.007	83	53621	1.00	0.9727	
60 Dichlorobromomethane	83	12.620	12.622	-0.002	98	279115	1.00	0.99	
62 Methyl methacrylate	41	12.682	12.686	-0.004	96	128298	1.00	1.01	
63 Methylcyclohexane	83	13.152	13.156	-0.004	96	217888	1.00	0.9851	
64 4-Methyl-2-pentanone (MIBK)	43	13.534	13.541	-0.007	96	243812	1.00	1.00	
65 cis-1,3-Dichloropropene	75	13.612	13.615	-0.003	91	205183	1.00	0.99	
66 trans-1,3-Dichloropropene	75	14.304	14.307	-0.003	96	182800	1.00	1.00	
67 Toluene	91	14.434	14.436	-0.002	92	454341	1.00	0.9765	
68 1,1,2-Trichloroethane	83	14.511	14.513	-0.002	94	155675	1.00	1.00	
69 2-Hexanone	58	14.868	14.872	-0.004	92	120283	1.00	1.01	
70 n-Octane	85	15.095	15.095	0.000	93	115847	1.00	1.02	
71 Chlorodibromomethane	129	15.219	15.223	-0.004	97	288777	1.00	1.03	
72 Ethylene Dibromide	107	15.514	15.515	-0.001	98	262150	1.00	1.00	
73 Tetrachloroethene	129	15.576	15.579	-0.003	95	173997	1.00	0.99	
75 2,3-Dimethylheptane	43	16.439	16.441	-0.002	96	355770	1.00	1.02	
74 Chlorobenzene	112	16.454	16.457	-0.003	94	344022	1.00	0.9620	
76 Ethylbenzene	91	16.734	16.735	-0.001	98	580229	1.00	0.9881	
77 m-Xylene & p-Xylene	91	16.894	16.894	0.000	99	913122	2.00	1.96	
78 n-Nonane	57	17.281	17.282	-0.001	91	245862	1.00	1.01	
80 Styrene	104	17.359	17.361	-0.002	98	314892	1.00	0.9766	
79 Bromoform	173	17.364	17.364	0.000	94	300616	1.00	0.9688	
81 o-Xylene	91	17.421	17.422	-0.001	98	479907	1.00	0.9891	
82 1,1,2,2-Tetrachloroethane	83	17.741	17.742	-0.001	98	384277	1.00	1.00	
83 1,2,3-Trichloropropane	110	17.896	17.899	-0.003	98	76279	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	17.989	17.991	-0.002	96	621120	1.00	0.9871	
85 N-Propylbenzene	120	18.501	18.501	0.000	99	164867	1.00	0.99	
86 2-Chlorotoluene	126	18.553	18.554	-0.001	97	157431	1.00	0.9737	
87 4-Ethyltoluene	105	18.641	18.642	-0.001	99	627870	1.00	0.99	
88 1,3,5-Trimethylbenzene	120	18.708	18.710	-0.002	92	244500	1.00	0.9657	
89 Alpha Methyl Styrene	118	18.930	18.933	-0.003	88	252081	1.00	0.99	
90 n-Decane	57	18.961	18.963	-0.002	90	326880	1.00	1.02	
91 tert-Butylbenzene	119	19.121	19.122	-0.001	91	553600	1.00	0.9774	
92 1,2,4-Trimethylbenzene	105	19.132	19.133	-0.001	96	556314	1.00	0.99	
93 sec-Butylbenzene	105	19.380	19.380	0.000	98	789662	1.00	0.9820	
94 1,3-Dichlorobenzene	146	19.406	19.407	-0.001	98	337535	1.00	0.9306	
95 Benzyl chloride	91	19.473	19.475	-0.002	98	378996	1.00	0.9710	
96 1,4-Dichlorobenzene	146	19.488	19.490	-0.002	94	327079	1.00	0.9234	
97 4-Isopropyltoluene	119	19.530	19.532	-0.002	96	630514	1.00	1.00	
98 1,2,3-Trimethylbenzene	105	19.592	19.593	-0.001	99	556253	1.00	0.9867	
99 Butylcyclohexane	83	19.633	19.635	-0.002	98	461063	1.00	1.02	
101 2,3-Dihydroindene	117	19.835	19.837	-0.002	94	517621	1.00	0.9854	
100 1,2-Dichlorobenzene	146	19.840	19.841	-0.001	97	349398	1.00	0.9525	
103 n-Butylbenzene	91	19.953	19.953	0.000	97	708185	1.00	1.01	
102 Indene	116	19.964	19.965	-0.001	96	421788	1.00	0.9791	
104 Undecane	57	20.233	20.234	-0.001	95	381299	1.00	1.05	
105 1,2-Dibromo-3-Chloropropane	157	20.434	20.435	-0.001	97	175393	1.00	0.9701	
106 1,2,4,5-Tetramethylbenzene	119	20.708	20.711	-0.003	95	603176	1.00	0.9718	
107 Dodecane	57	21.323	21.324	-0.001	97	393311	1.00	1.04	
108 1,2,4-Trichlorobenzene	180	21.566	21.567	-0.001	94	271619	1.00	0.9570	
109 Naphthalene	128	21.695	21.696	-0.001	99	640460	1.00	1.00	
110 Hexachlorobutadiene	225	21.850	21.850	0.000	90	407071	1.00	1.03	
111 1,2,3-Trichlorobenzene	180	21.907	21.908	-0.001	94	282722	1.00	0.9821	
112 2-Methylnaphthalene	142	22.445	22.445	0.000	98	127721	1.00	0.8739	
113 1-Methylnaphthalene	142	22.574	22.574	0.000	98	220292	1.00	0.9559	
A 115 C8 Range	1	15.095	(15.043-15.147)		0	1080009	1.00	1.05	
S 116 Xylenes, Total	100				0		3.00	2.95	
S 117 1,2-Dichloroethene, Total	1				0		2.00	2.02	

QC Flag Legend

Processing Flags

Reagents:

40L6DQP_00023	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

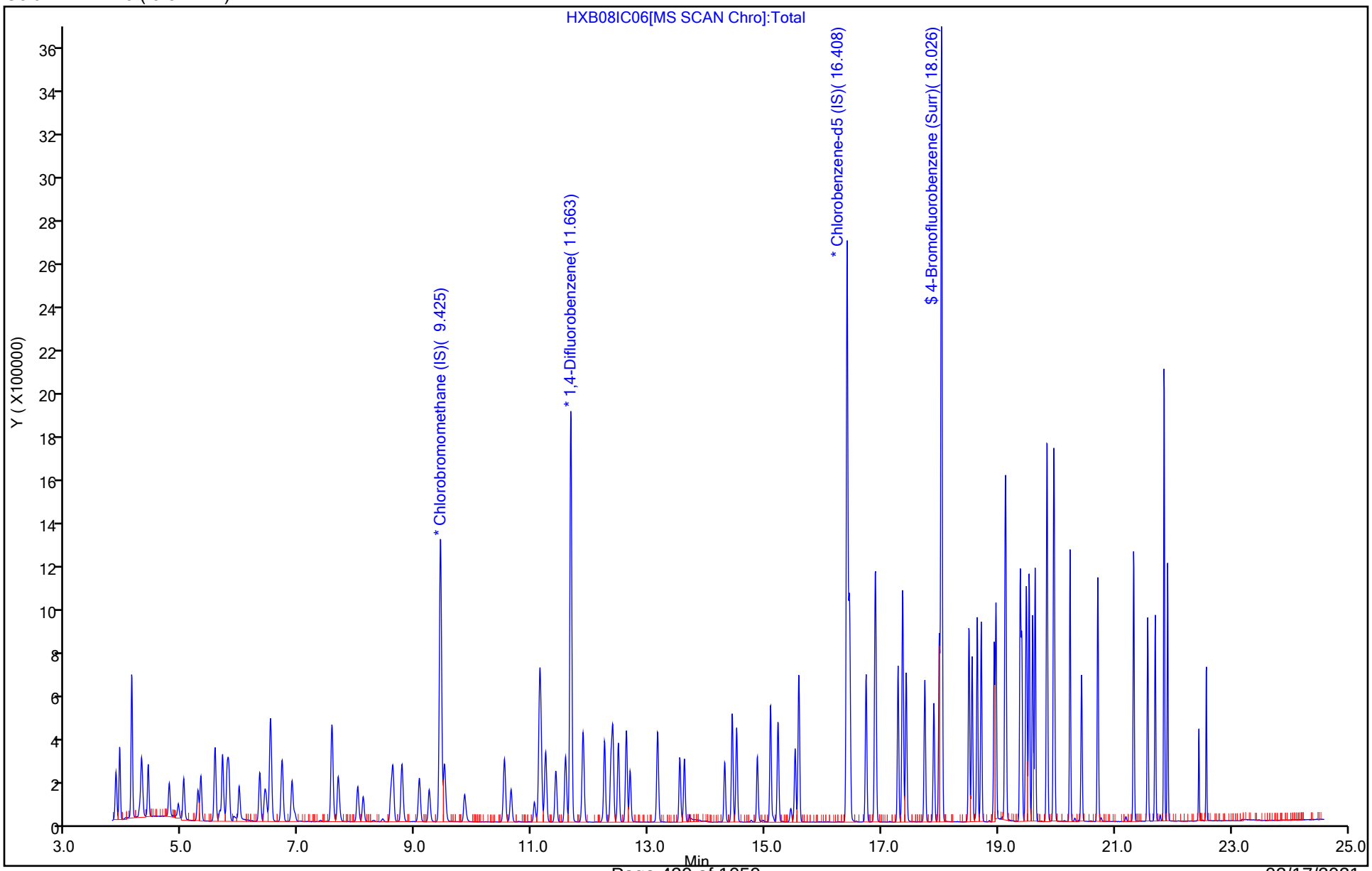
Report Date: 09-Feb-2021 11:31:37 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC06.D

Injection Date:	09-Feb-2021 05:52:30	Instrument ID:	MH	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:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

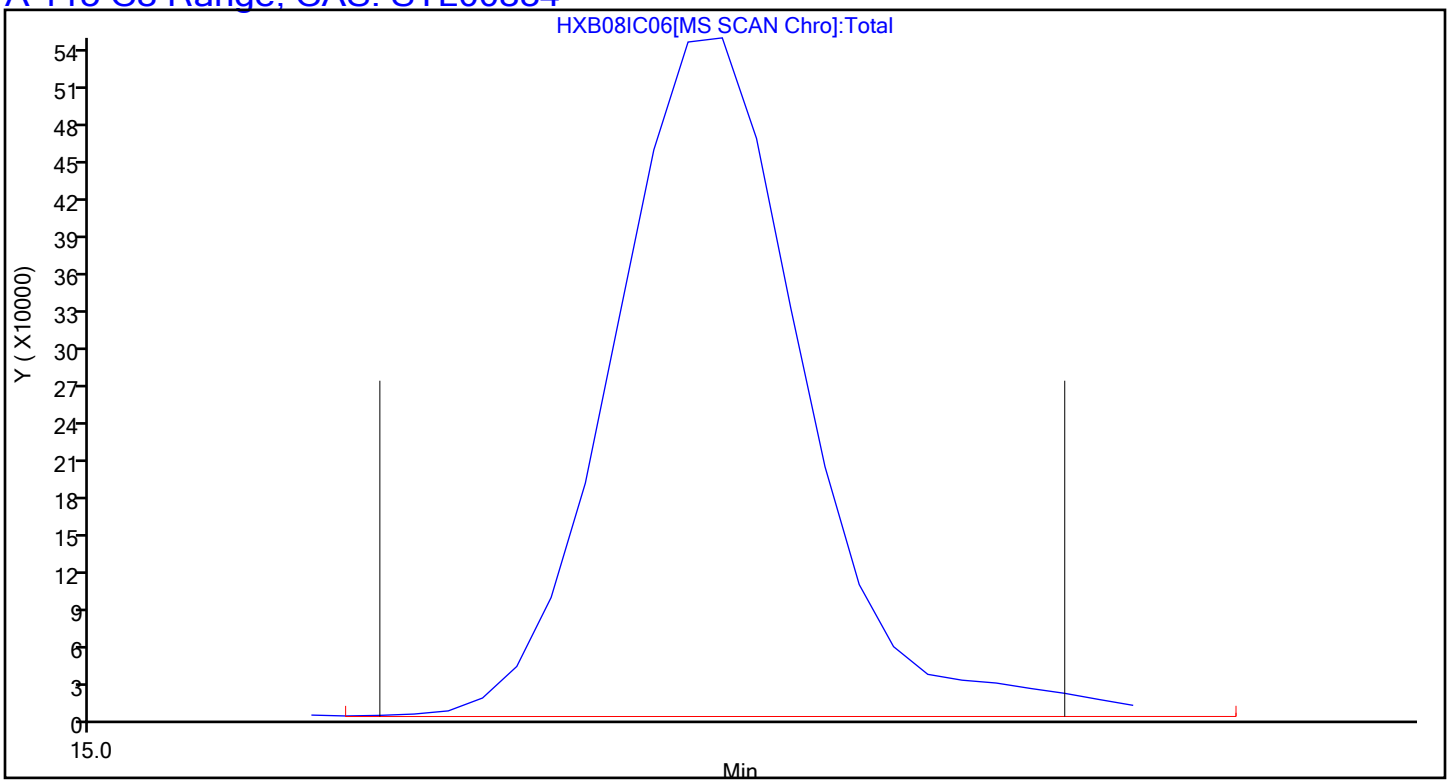


Report Date: 09-Feb-2021 11:31:37 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC06.D				
Injection Date:	09-Feb-2021 05:52:30	Instrument ID:	MH		
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:	MH_TO15	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\MH\20210208-18155.b\HXB08IC07.D
Lims ID: ICIS L7
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 09-Feb-2021 06:44:30 ALS Bottle#: 5 Worklist Smp#: 15
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018155-015
Misc. Info.: 355834
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 09-Feb-2021 11:31:46 Calib Date: 09-Feb-2021 06:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: tajh Date: 09-Feb-2021 11:29:06

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	9.431	9.430	0.001	88	440849	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.669	11.666	0.003	94	2044363	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.408	16.409	-0.001	86	1797479	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.026	18.027	-0.001	95	1392974	4.64	4.67	
6 Chlorodifluoromethane	51	3.854	3.856	-0.002	96	327932	2.00	2.03	
7 Propene	41	3.870	3.870	0.000	98	134836	2.00	2.04	
8 Dichlorodifluoromethane	85	3.926	3.926	0.000	99	670175	2.00	2.00	
9 Chloromethane	52	4.128	4.129	-0.001	97	49412	2.00	1.95	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.133	4.134	-0.001	91	490045	2.00	2.00	
11 Acetaldehyde	44	4.299	4.302	-0.003	97	288178	10.0	9.53	
12 Vinyl chloride	62	4.319	4.320	-0.001	98	193713	2.00	1.94	
14 Butadiene	54	4.412	4.416	-0.004	72	125214	2.00	2.03	
13 Butane	43	4.412	4.413	-0.001	83	208078	2.00	1.95	
15 Bromomethane	94	4.774	4.777	-0.003	98	233672	2.00	1.98	
16 Chloroethane	64	4.929	4.935	-0.006	97	81253	2.00	1.96	
17 Ethanol	31	5.022	5.032	-0.010	93	388340	10.0	10.5	
18 Vinyl bromide	106	5.270	5.270	0.000	99	246998	2.00	2.00	
19 2-Methylbutane	43	5.317	5.317	0.000	93	211551	2.00	2.07	
20 Trichlorofluoromethane	101	5.560	5.561	-0.001	99	647870	2.00	2.02	
21 Acrolein	56	5.570	5.575	-0.005	92	66974	2.00	2.01	
22 Acetonitrile	40	5.642	5.650	-0.008	99	76441	2.00	2.07	
23 Acetone	58	5.689	5.699	-0.010	97	281680	6.00	5.88	
25 Isopropyl alcohol	45	5.772	5.783	-0.011	94	714227	6.00	6.33	
24 Pentane	72	5.803	5.802	0.001	97	24139	2.00	2.00	
26 Ethyl ether	31	5.968	5.981	-0.013	96	191927	2.00	2.06	
27 1,1-Dichloroethene	96	6.330	6.331	-0.001	98	242833	2.00	1.99	
29 2-Methyl-2-propanol	59	6.407	6.432	-0.025	96	305686	2.00	2.09	
28 Acrylonitrile	53	6.438	6.444	-0.006	93	144478	2.00	2.00	
30 112TCTFE	101	6.511	6.514	-0.003	97	542512	2.00	2.01	
31 Methylene Chloride	84	6.702	6.706	-0.004	89	230359	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	6.717	6.721	-0.004	96	162950	2.00	2.02	
33 Carbon disulfide	76	6.883	6.884	-0.001	97	710925	2.00	2.04	
34 trans-1,2-Dichloroethene	96	7.565	7.563	0.002	99	243363	2.00	2.04	
35 2-Methylpentane	43	7.570	7.572	-0.002	93	420441	2.00	2.05	
36 Methyl tert-butyl ether	73	7.668	7.687	-0.019	96	538494	2.00	2.05	
37 1,1-Dichloroethane	63	8.009	8.011	-0.002	99	417435	2.00	2.02	
38 Vinyl acetate	43	8.102	8.108	-0.006	100	473155	2.00	2.07	
39 2-Butanone (MEK)	72	8.573	8.588	-0.015	98	107616	2.00	1.96	
40 Hexane	56	8.614	8.616	-0.002	93	147867	2.00	1.99	
41 Isopropyl ether	45	8.764	8.778	-0.014	96	648184	2.00	2.04	
42 cis-1,2-Dichloroethene	96	9.069	9.068	0.001	93	256573	2.00	2.02	
43 Ethyl acetate	43	9.234	9.244	-0.010	99	440100	2.00	2.03	
44 Chloroform	83	9.436	9.435	0.001	95	562793	2.00	2.00	
45 Tert-butyl ethyl ether	59	9.493	9.507	-0.014	96	603699	2.00	2.05	
46 Tetrahydrofuran	42	9.839	9.855	-0.016	89	215535	2.00	2.04	
47 1,1,1-Trichloroethane	97	10.526	10.527	-0.001	96	518945	2.00	2.01	
48 1,2-Dichloroethane	62	10.640	10.641	-0.001	98	325364	2.00	2.02	
49 n-Butanol	31	11.033	11.048	-0.015	87	75250	2.00	2.06	
51 Benzene	78	11.131	11.132	-0.001	95	745387	2.00	1.97	
50 Cyclohexane	69	11.131	11.132	-0.001	96	110683	2.00	1.99	
52 Carbon tetrachloride	117	11.157	11.155	0.002	99	564152	2.00	2.11	
53 2,3-Dimethylpentane	71	11.235	11.233	0.002	91	152902	2.00	2.01	
54 Thiophene	84	11.410	11.411	-0.001	92	437502	2.00	2.02	
55 Isooctane	57	11.875	11.876	-0.001	98	1033569	2.00	2.00	
56 n-Heptane	71	12.248	12.247	0.001	90	235442	2.00	2.03	
57 1,2-Dichloropropane	63	12.356	12.355	0.001	96	302049	2.00	2.00	
58 Trichloroethene	130	12.387	12.388	-0.001	94	324320	2.00	1.90	
59 Dibromomethane	93	12.480	12.480	0.000	97	363246	2.00	1.98	
61 1,4-Dioxane	88	12.609	12.621	-0.012	88	117701	2.00	2.09	
60 Dichlorobromomethane	83	12.620	12.622	-0.002	98	583709	2.00	2.03	
62 Methyl methacrylate	41	12.682	12.686	-0.004	96	266858	2.00	2.06	
63 Methylcyclohexane	83	13.157	13.156	0.001	95	452028	2.00	2.00	
64 4-Methyl-2-pentanone (MIBK)	43	13.534	13.541	-0.007	97	507713	2.00	2.05	
65 cis-1,3-Dichloropropene	75	13.612	13.615	-0.003	91	431358	2.00	2.04	
66 trans-1,3-Dichloropropene	75	14.305	14.307	-0.002	95	390055	2.00	2.08	
67 Toluene	91	14.439	14.436	0.003	92	940374	2.00	1.96	
68 1,1,2-Trichloroethane	83	14.511	14.513	-0.002	93	320605	2.00	1.99	
69 2-Hexanone	58	14.868	14.872	-0.004	93	258489	2.00	2.11	
70 n-Octane	85	15.090	15.095	-0.005	92	239463	2.00	2.05	
71 Chlorodibromomethane	129	15.225	15.223	0.001	97	618283	2.00	2.13	
72 Ethylene Dibromide	107	15.514	15.515	-0.001	99	546959	2.00	2.02	
73 Tetrachloroethene	129	15.576	15.579	-0.003	95	353216	2.00	1.95	
75 2,3-Dimethylheptane	43	16.439	16.441	-0.002	95	724437	2.00	2.01	
74 Chlorobenzene	112	16.455	16.457	-0.002	95	715634	2.00	1.94	
76 Ethylbenzene	91	16.734	16.735	-0.001	98	1200945	2.00	1.99	
77 m-Xylene & p-Xylene	91	16.894	16.894	0.000	98	1927446	4.00	4.01	
78 n-Nonane	57	17.282	17.282	0.000	94	509547	2.00	2.02	
80 Styrene	104	17.359	17.361	-0.002	98	674270	2.00	2.03	
79 Bromoform	173	17.364	17.364	0.000	94	669916	2.00	2.10	
81 o-Xylene	91	17.421	17.422	-0.001	98	995174	2.00	1.99	
82 1,1,2,2-Tetrachloroethane	83	17.741	17.742	-0.001	98	807217	2.00	2.03	
83 1,2,3-Trichloropropane	110	17.897	17.899	-0.002	98	160283	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
84 Isopropylbenzene	105	17.990	17.991	-0.001	95	1273945	2.00	1.97	
85 N-Propylbenzene	120	18.501	18.501	0.000	99	340202	2.00	1.98	
86 2-Chlorotoluene	126	18.553	18.554	-0.001	96	323146	2.00	1.94	
87 4-Ethyltoluene	105	18.641	18.642	-0.001	99	1302892	2.00	1.99	
88 1,3,5-Trimethylbenzene	120	18.708	18.710	-0.002	91	509034	2.00	1.95	
89 Alpha Methyl Styrene	118	18.930	18.933	-0.003	87	535890	2.00	2.05	
90 n-Decane	57	18.961	18.963	-0.002	90	682611	2.00	2.06	
91 tert-Butylbenzene	119	19.121	19.122	-0.001	91	1164590	2.00	2.00	
92 1,2,4-Trimethylbenzene	105	19.132	19.133	-0.001	96	1174196	2.00	2.03	
93 sec-Butylbenzene	105	19.380	19.380	0.000	98	1655399	2.00	2.00	
94 1,3-Dichlorobenzene	146	19.406	19.407	-0.001	99	715908	2.00	1.92	
95 Benzyl chloride	91	19.473	19.475	-0.002	98	837318	2.00	2.08	
96 1,4-Dichlorobenzene	146	19.488	19.490	-0.002	95	694915	2.00	1.90	
97 4-Isopropyltoluene	119	19.530	19.532	-0.002	97	1319161	2.00	2.04	
98 1,2,3-Trimethylbenzene	105	19.592	19.593	-0.001	99	1157813	2.00	1.99	
99 Butylcyclohexane	83	19.633	19.635	-0.002	98	959909	2.00	2.05	
101 2,3-Dihydroindene	117	19.835	19.837	-0.002	93	1092511	2.00	2.02	
100 1,2-Dichlorobenzene	146	19.840	19.841	-0.001	97	733077	2.00	1.94	
103 n-Butylbenzene	91	19.954	19.953	0.001	95	1482939	2.00	2.05	
102 Indene	116	19.964	19.965	-0.001	88	901113	2.00	2.03	
104 Undecane	57	20.233	20.234	-0.001	95	786346	2.00	2.11	
105 1,2-Dibromo-3-Chloropropane	157	20.434	20.435	-0.001	97	387998	2.00	2.08	
106 1,2,4,5-Tetramethylbenzene	119	20.708	20.711	-0.003	95	1295446	2.00	2.03	
107 Dodecane	57	21.323	21.324	-0.001	97	778728	2.00	2.00	
108 1,2,4-Trichlorobenzene	180	21.566	21.567	-0.001	94	590156	2.00	2.02	
109 Naphthalene	128	21.695	21.696	-0.001	99	1321086	2.00	2.01	
110 Hexachlorobutadiene	225	21.850	21.850	0.000	90	788705	2.00	1.94	
111 1,2,3-Trichlorobenzene	180	21.907	21.908	-0.001	94	575020	2.00	1.94	
112 2-Methylnaphthalene	142	22.445	22.445	0.000	98	287016	2.00	1.91	
113 1-Methylnaphthalene	142	22.574	22.574	0.000	98	448916	2.00	1.89	
A 115 C8 Range	1	15.095	(15.038-15.142)		0	2122437	2.00	2.01	
S 116 Xylenes, Total	100				0		6.00	6.01	
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

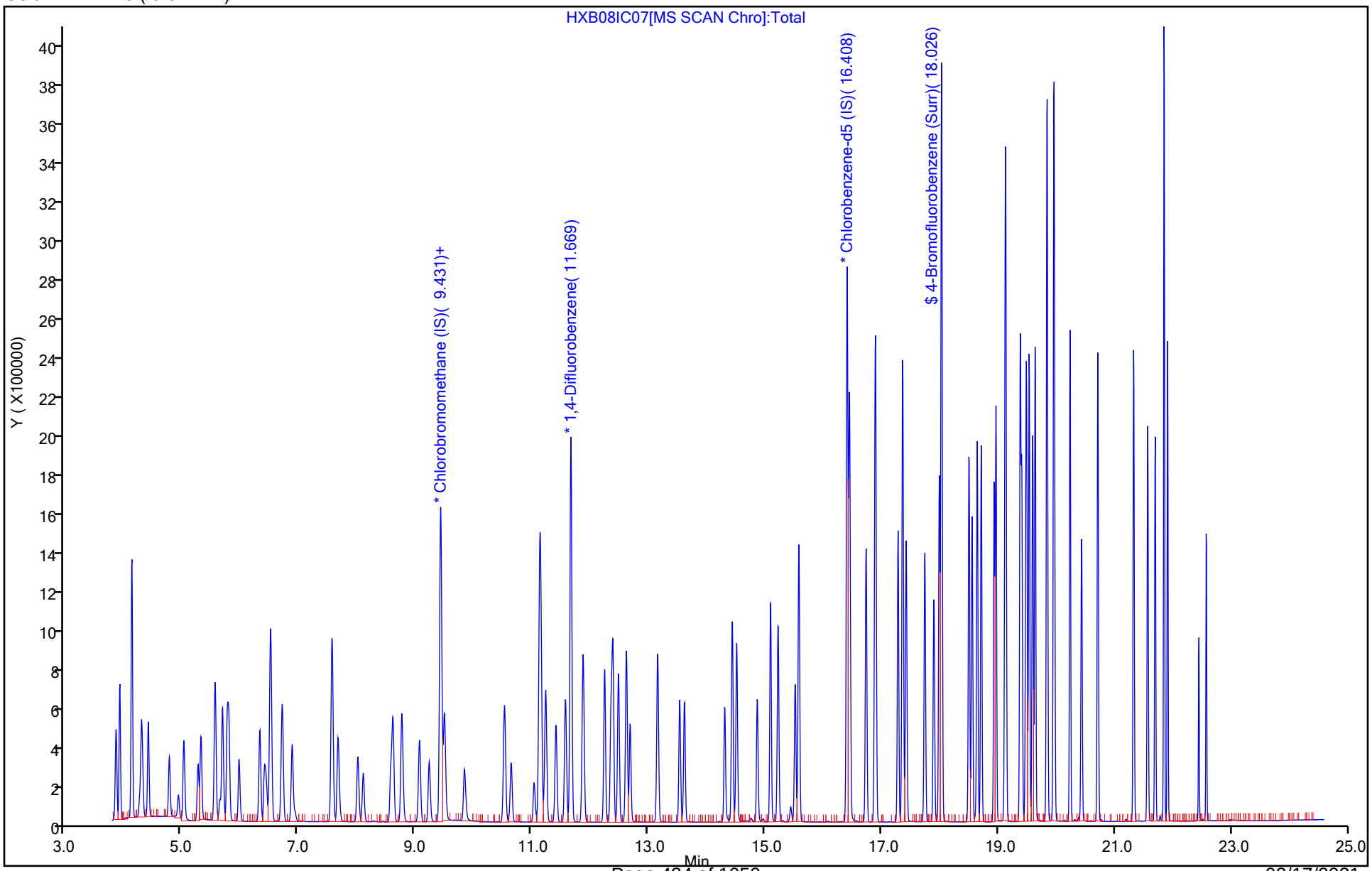
Report Date: 09-Feb-2021 11:31:47 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D

Injection Date:	09-Feb-2021 06:44:30	Instrument ID:	MH	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:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

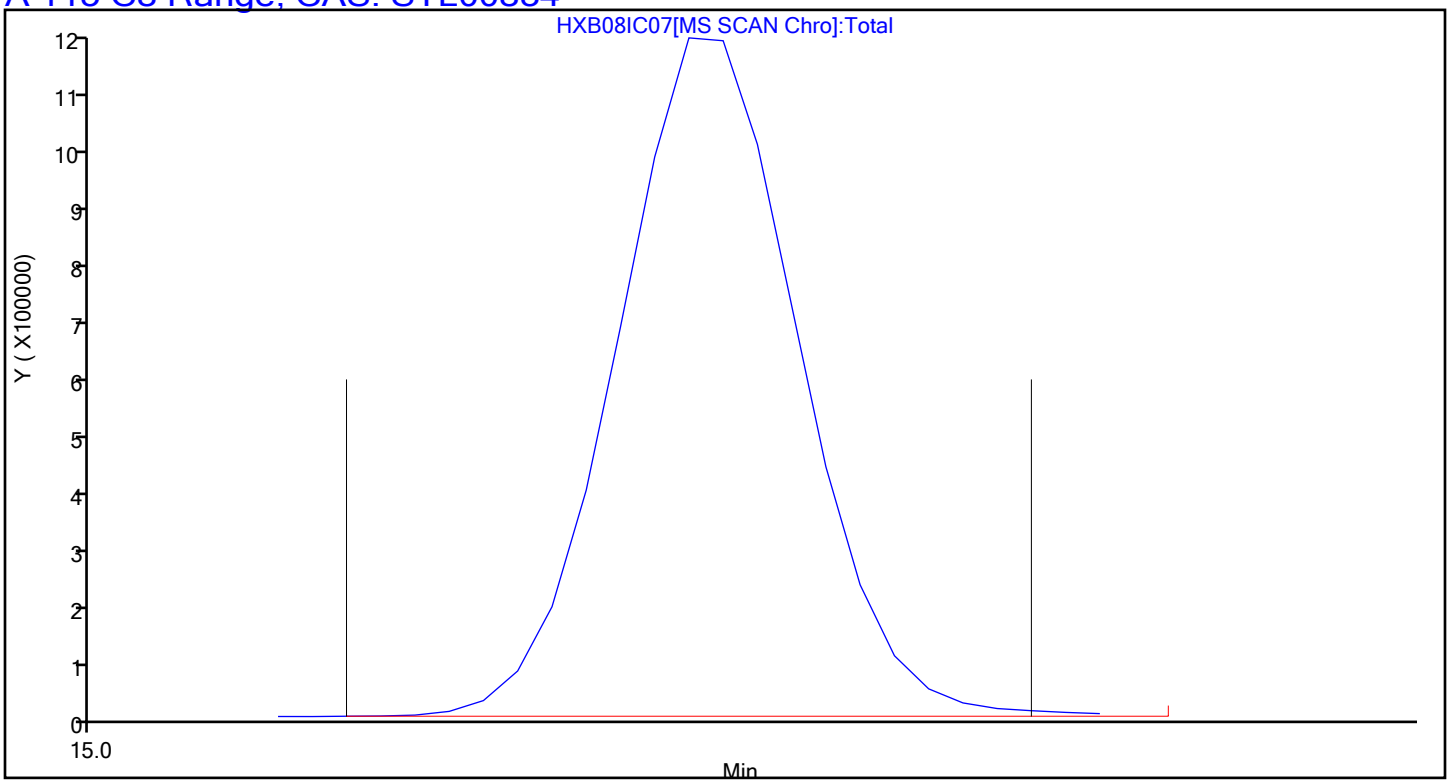


Report Date: 09-Feb-2021 11:31:47 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D				
Injection Date:	09-Feb-2021 06:44:30	Instrument ID:	MH		
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:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 115 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

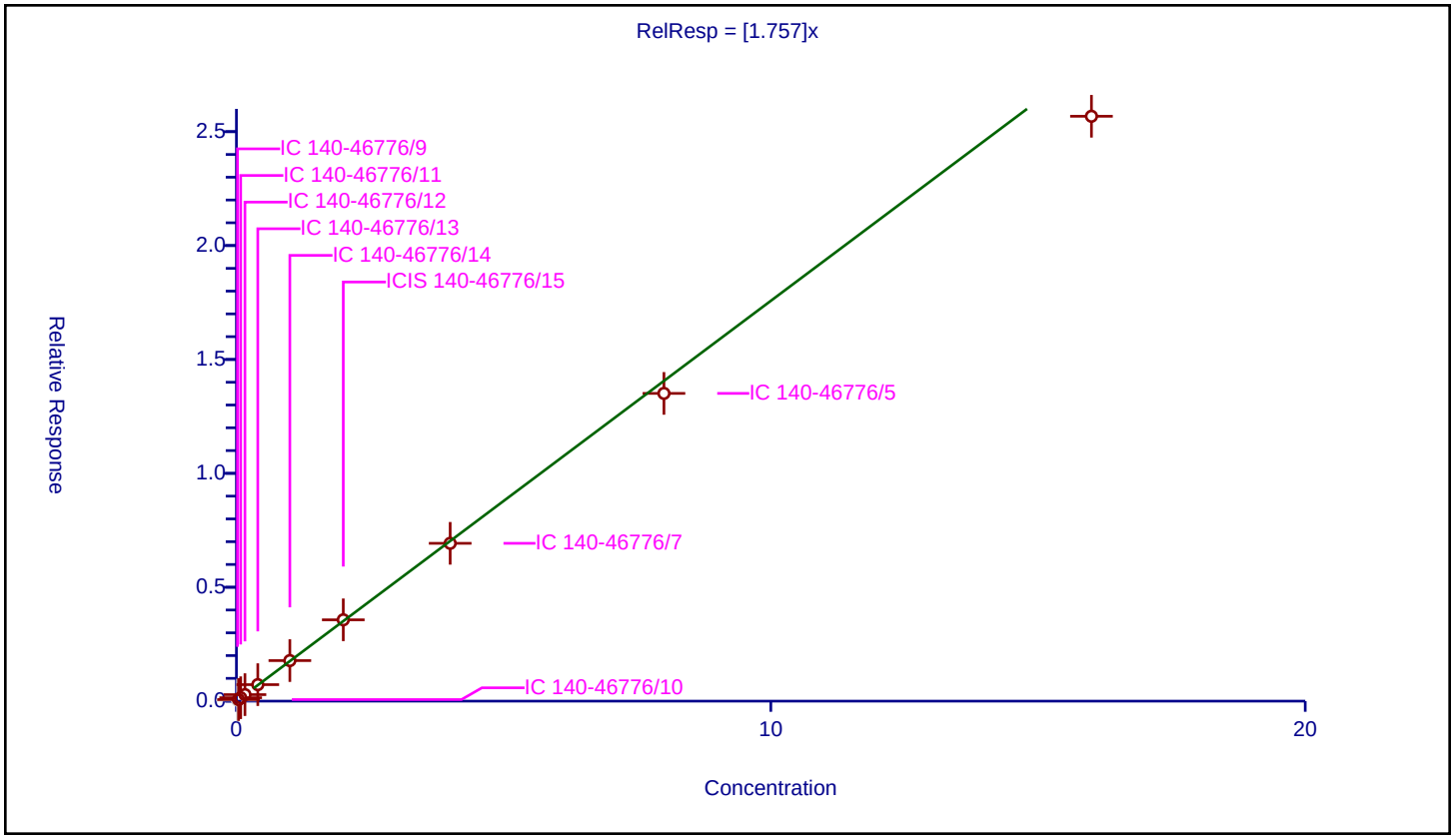
Curve Coefficients

Intercept:	0
Slope:	1.757

Error Coefficients

Standard Error:	996000
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 140-46776/9	0.02	0.046286	4.8	428810.0	2.314312	N
2	IC 140-46776/10	0.04	0.070145	4.8	433296.0	1.753628	Y
3	IC 140-46776/11	0.08	0.149683	4.8	424899.0	1.871033	Y
4	IC 140-46776/12	0.16	0.286436	4.8	429583.0	1.790224	Y
5	IC 140-46776/13	0.4	0.723843	4.8	417949.0	1.809608	Y
6	IC 140-46776/14	1.0	1.780376	4.8	428474.0	1.780376	Y
7	ICIS 140-46776/15	2.0	3.57055	4.8	440849.0	1.785275	Y
8	IC 140-46776/7	4.0	6.928391	4.8	454121.0	1.732098	Y
9	IC 140-46776/5	8.0	13.510185	4.8	458150.0	1.688773	Y
10	IC 140-46776/3	16.0	25.676067	4.8	446279.0	1.604754	Y



Calibration / Propene

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

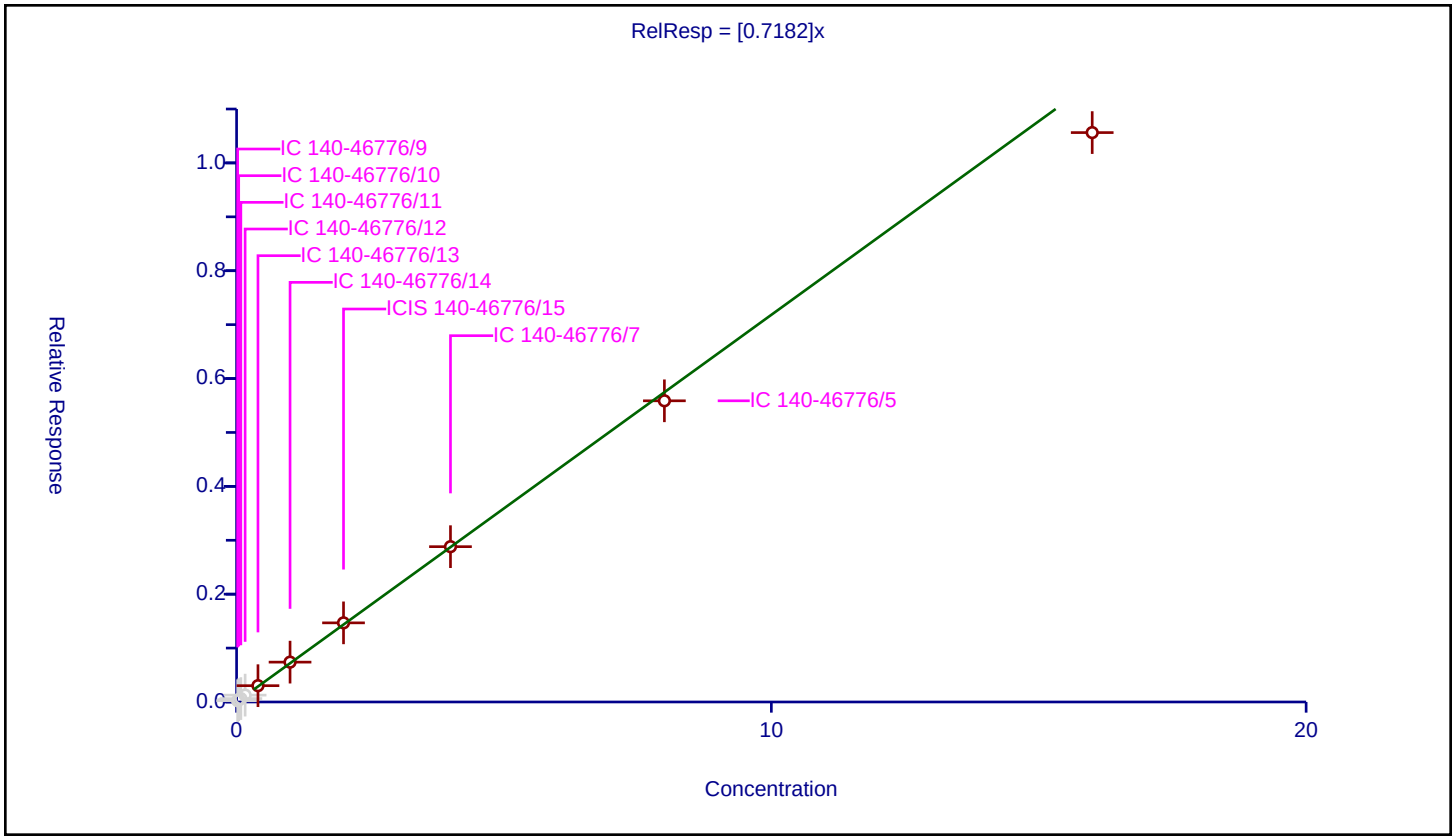
Curve Coefficients

Intercept:	0
Slope:	0.7182

Error Coefficients

Standard Error:	519000
Relative Standard Error:	4.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.023675	4.8	428810.0	1.183741	N
2	IC 140-46776/10	0.04	0.042561	4.8	433296.0	1.06403	N
3	IC 140-46776/11	0.08	0.063093	4.8	424899.0	0.788658	N
4	IC 140-46776/12	0.16	0.127346	4.8	429583.0	0.795911	N
5	IC 140-46776/13	0.4	0.302678	4.8	417949.0	0.756695	Y
6	IC 140-46776/14	1.0	0.739525	4.8	428474.0	0.739525	Y
7	ICIS 140-46776/15	2.0	1.468105	4.8	440849.0	0.734053	Y
8	IC 140-46776/7	4.0	2.881199	4.8	454121.0	0.7203	Y
9	IC 140-46776/5	8.0	5.587183	4.8	458150.0	0.698398	Y
10	IC 140-46776/3	16.0	10.562487	4.8	446279.0	0.660155	Y



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

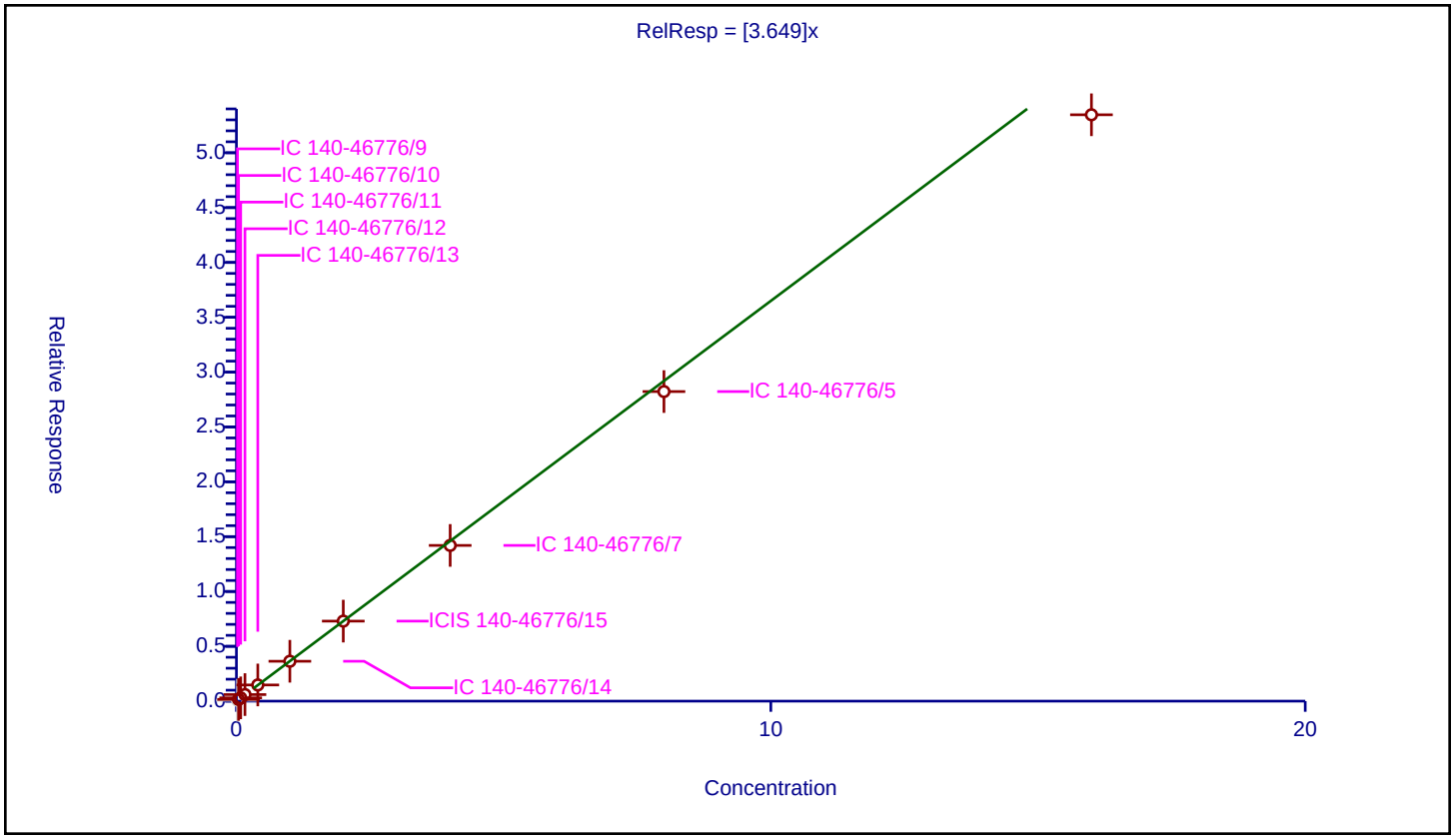
Curve Coefficients

Intercept:	0
Slope:	3.649

Error Coefficients

Standard Error:	2070000
Relative Standard Error:	4.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.085061	4.8	428810.0	4.253072	N
2	IC 140-46776/10	0.04	0.158835	4.8	433296.0	3.970865	Y
3	IC 140-46776/11	0.08	0.298936	4.8	424899.0	3.7367	Y
4	IC 140-46776/12	0.16	0.598817	4.8	429583.0	3.742606	Y
5	IC 140-46776/13	0.4	1.475434	4.8	417949.0	3.688584	Y
6	IC 140-46776/14	1.0	3.635787	4.8	428474.0	3.635787	Y
7	ICIS 140-46776/15	2.0	7.29692	4.8	440849.0	3.64846	Y
8	IC 140-46776/7	4.0	14.198633	4.8	454121.0	3.549658	Y
9	IC 140-46776/5	8.0	28.227311	4.8	458150.0	3.528414	Y
10	IC 140-46776/3	16.0	53.462879	4.8	446279.0	3.34143	Y



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

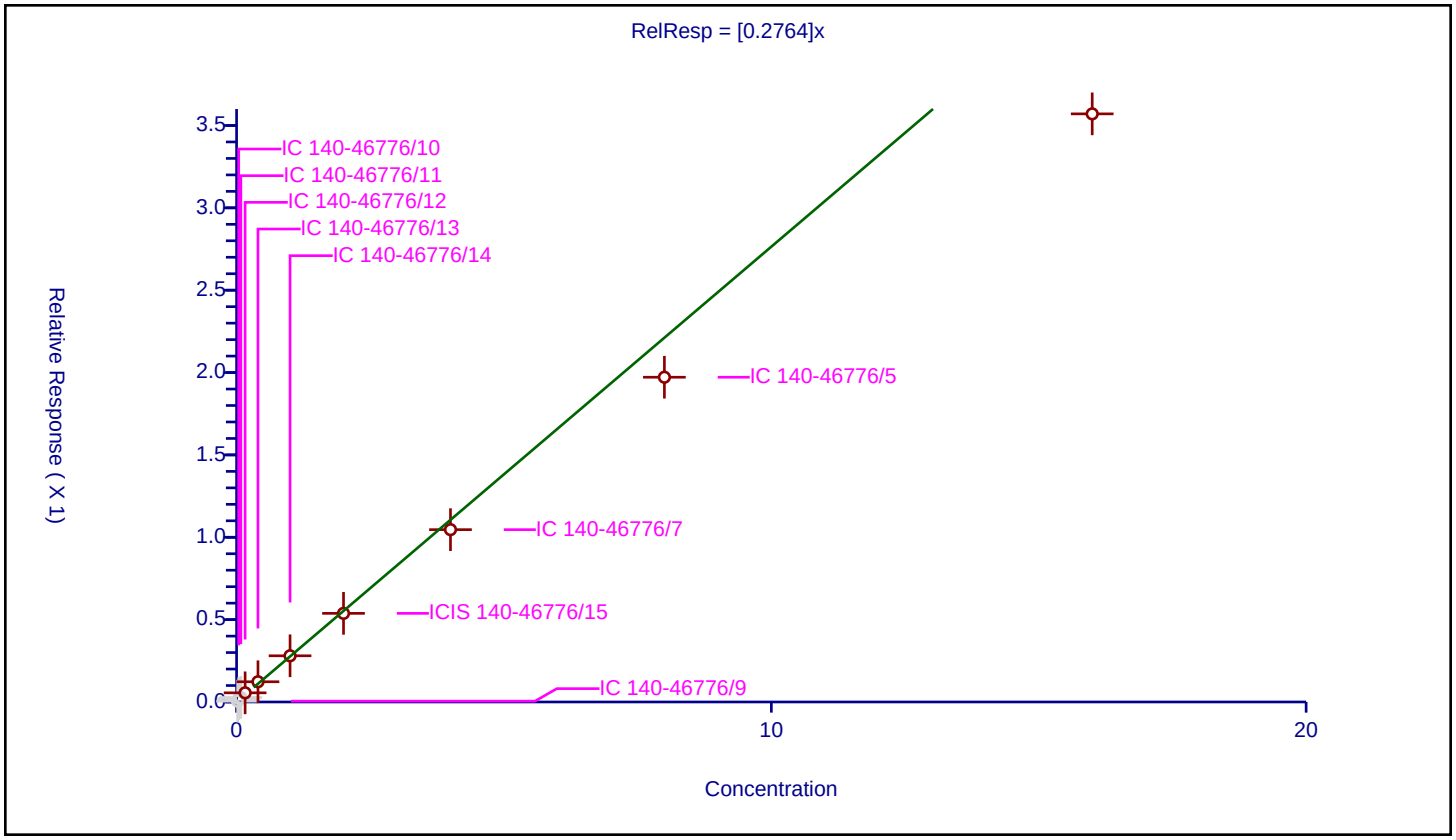
Curve Coefficients

Intercept:	0
Slope:	0.2764

Error Coefficients

Standard Error:	163000
Relative Standard Error:	14.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.005138	4.8	428810.0	0.256897	N
2	IC 140-46776/10	0.04	0.020638	4.8	433296.0	0.515952	N
3	IC 140-46776/11	0.08	0.027214	4.8	424899.0	0.340175	N
4	IC 140-46776/12	0.16	0.055578	4.8	429583.0	0.34736	Y
5	IC 140-46776/13	0.4	0.122805	4.8	417949.0	0.307014	Y
6	IC 140-46776/14	1.0	0.280422	4.8	428474.0	0.280422	Y
7	ICIS 140-46776/15	2.0	0.538002	4.8	440849.0	0.269001	Y
8	IC 140-46776/7	4.0	1.046311	4.8	454121.0	0.261578	Y
9	IC 140-46776/5	8.0	1.971683	4.8	458150.0	0.24646	Y
10	IC 140-46776/3	16.0	3.570559	4.8	446279.0	0.22316	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

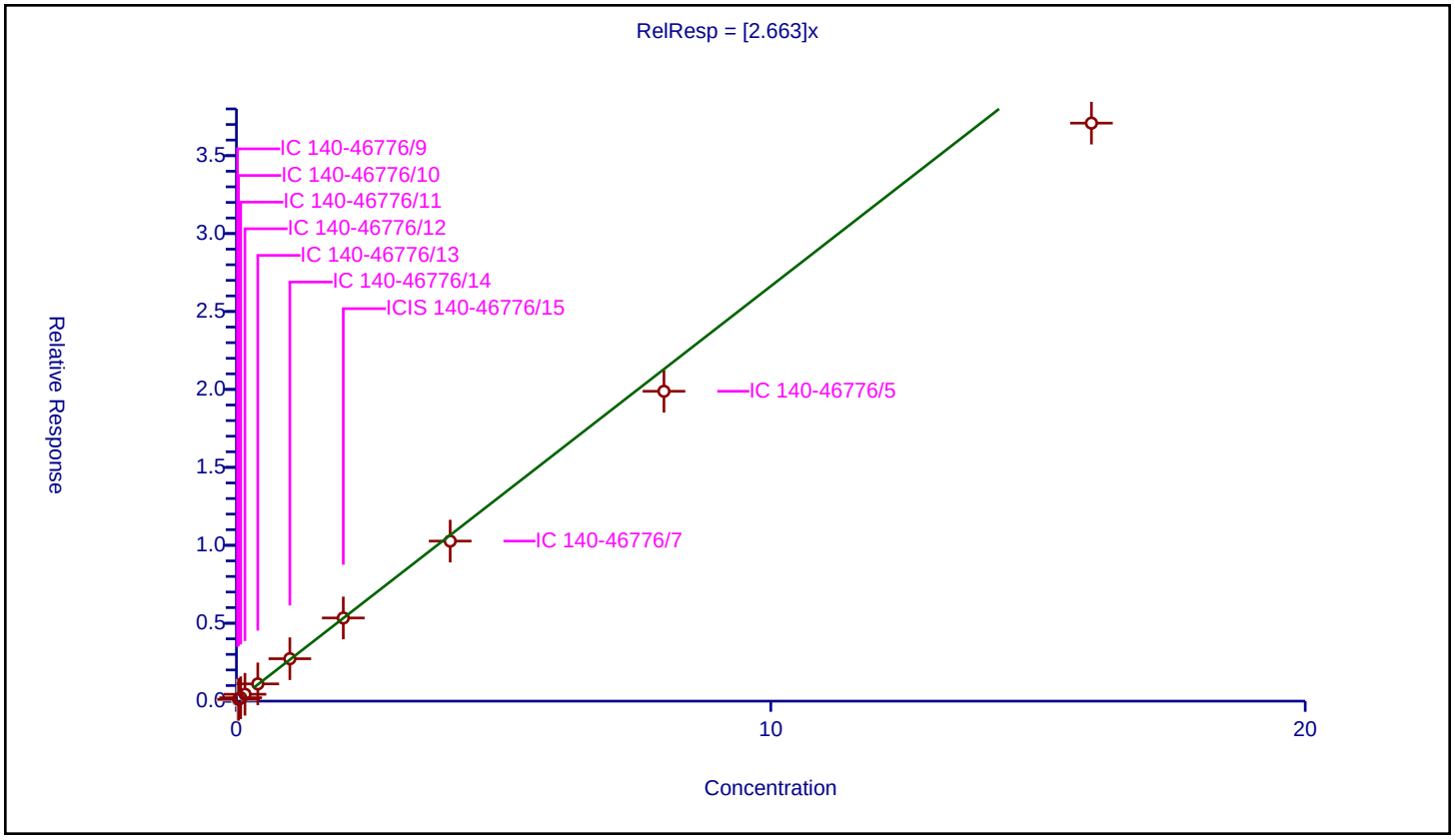
Curve Coefficients

Intercept:	0
Slope:	2.663

Error Coefficients

Standard Error:	1450000
Relative Standard Error:	6.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.068047	4.8	428810.0	3.402346	N
2	IC 140-46776/10	0.04	0.118234	4.8	433296.0	2.955855	Y
3	IC 140-46776/11	0.08	0.21717	4.8	424899.0	2.714622	Y
4	IC 140-46776/12	0.16	0.442286	4.8	429583.0	2.764285	Y
5	IC 140-46776/13	0.4	1.107109	4.8	417949.0	2.767773	Y
6	IC 140-46776/14	1.0	2.721984	4.8	428474.0	2.721984	Y
7	ICIS 140-46776/15	2.0	5.33565	4.8	440849.0	2.667825	Y
8	IC 140-46776/7	4.0	10.269485	4.8	454121.0	2.567371	Y
9	IC 140-46776/5	8.0	19.882666	4.8	458150.0	2.485333	Y
10	IC 140-46776/3	16.0	37.08659	4.8	446279.0	2.317912	Y



Calibration / Vinyl chloride

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

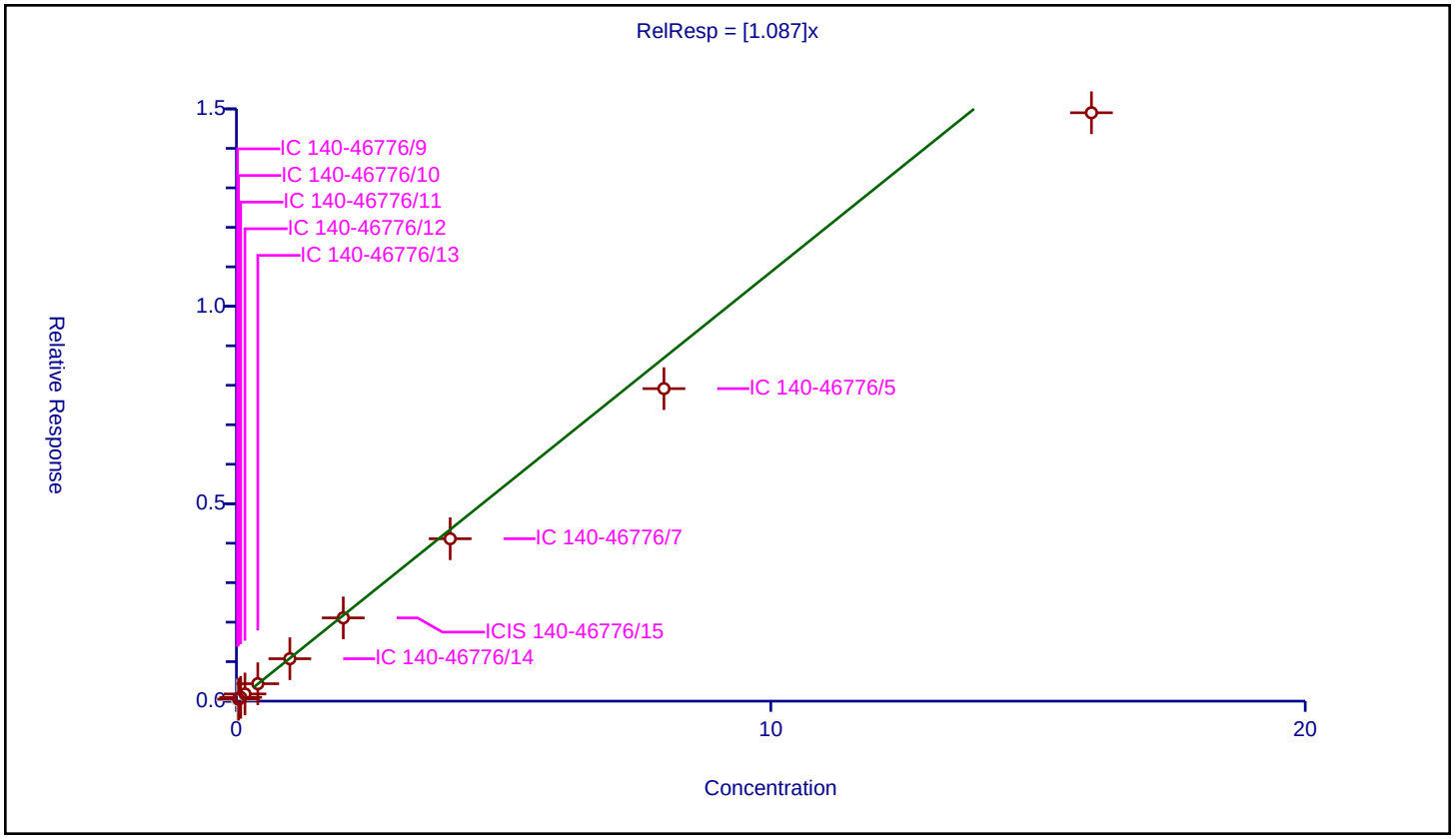
Curve Coefficients

Intercept:	0
Slope:	1.087

Error Coefficients

Standard Error:	580000
Relative Standard Error:	9.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.030514	4.8	428810.0	1.525711	N
2	IC 140-46776/10	0.04	0.050814	4.8	433296.0	1.270356	Y
3	IC 140-46776/11	0.08	0.095142	4.8	424899.0	1.189271	Y
4	IC 140-46776/12	0.16	0.182175	4.8	429583.0	1.138593	Y
5	IC 140-46776/13	0.4	0.441539	4.8	417949.0	1.103848	Y
6	IC 140-46776/14	1.0	1.074571	4.8	428474.0	1.074571	Y
7	ICIS 140-46776/15	2.0	2.109163	4.8	440849.0	1.054582	Y
8	IC 140-46776/7	4.0	4.11336	4.8	454121.0	1.02834	Y
9	IC 140-46776/5	8.0	7.915322	4.8	458150.0	0.989415	Y
10	IC 140-46776/3	16.0	14.902287	4.8	446279.0	0.931393	Y



Calibration / Butane

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

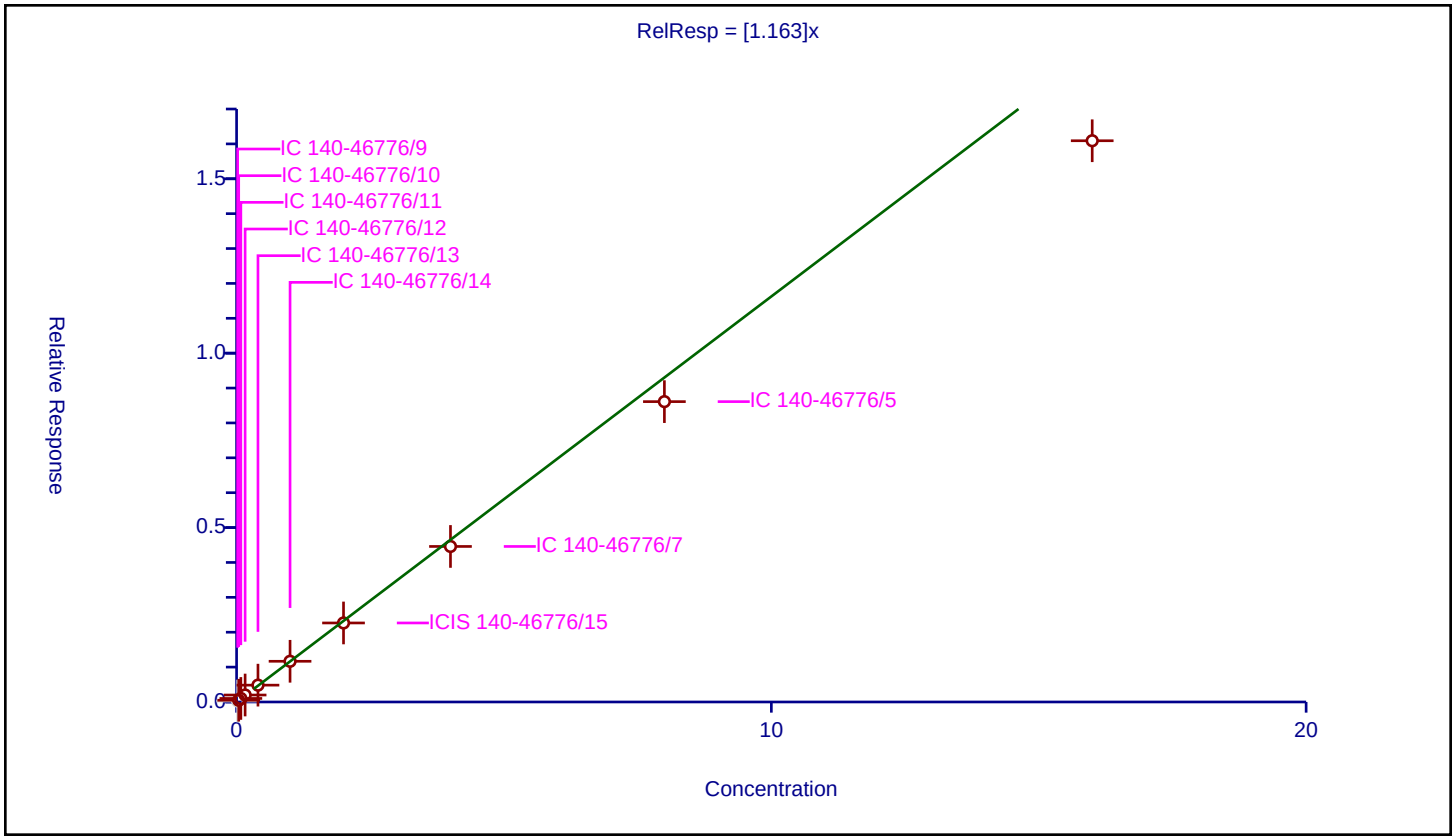
Curve Coefficients

Intercept:	0
Slope:	1.163

Error Coefficients

Standard Error:	627000
Relative Standard Error:	7.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.027302	4.8	428810.0	1.36508	N
2	IC 140-46776/10	0.04	0.049695	4.8	433296.0	1.242384	Y
3	IC 140-46776/11	0.08	0.101378	4.8	424899.0	1.267219	Y
4	IC 140-46776/12	0.16	0.200019	4.8	429583.0	1.250119	Y
5	IC 140-46776/13	0.4	0.482884	4.8	417949.0	1.207209	Y
6	IC 140-46776/14	1.0	1.167193	4.8	428474.0	1.167193	Y
7	ICIS 140-46776/15	2.0	2.26557	4.8	440849.0	1.132785	Y
8	IC 140-46776/7	4.0	4.458847	4.8	454121.0	1.114712	Y
9	IC 140-46776/5	8.0	8.611335	4.8	458150.0	1.076417	Y
10	IC 140-46776/3	16.0	16.090383	4.8	446279.0	1.005649	Y



Calibration / Butadiene

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

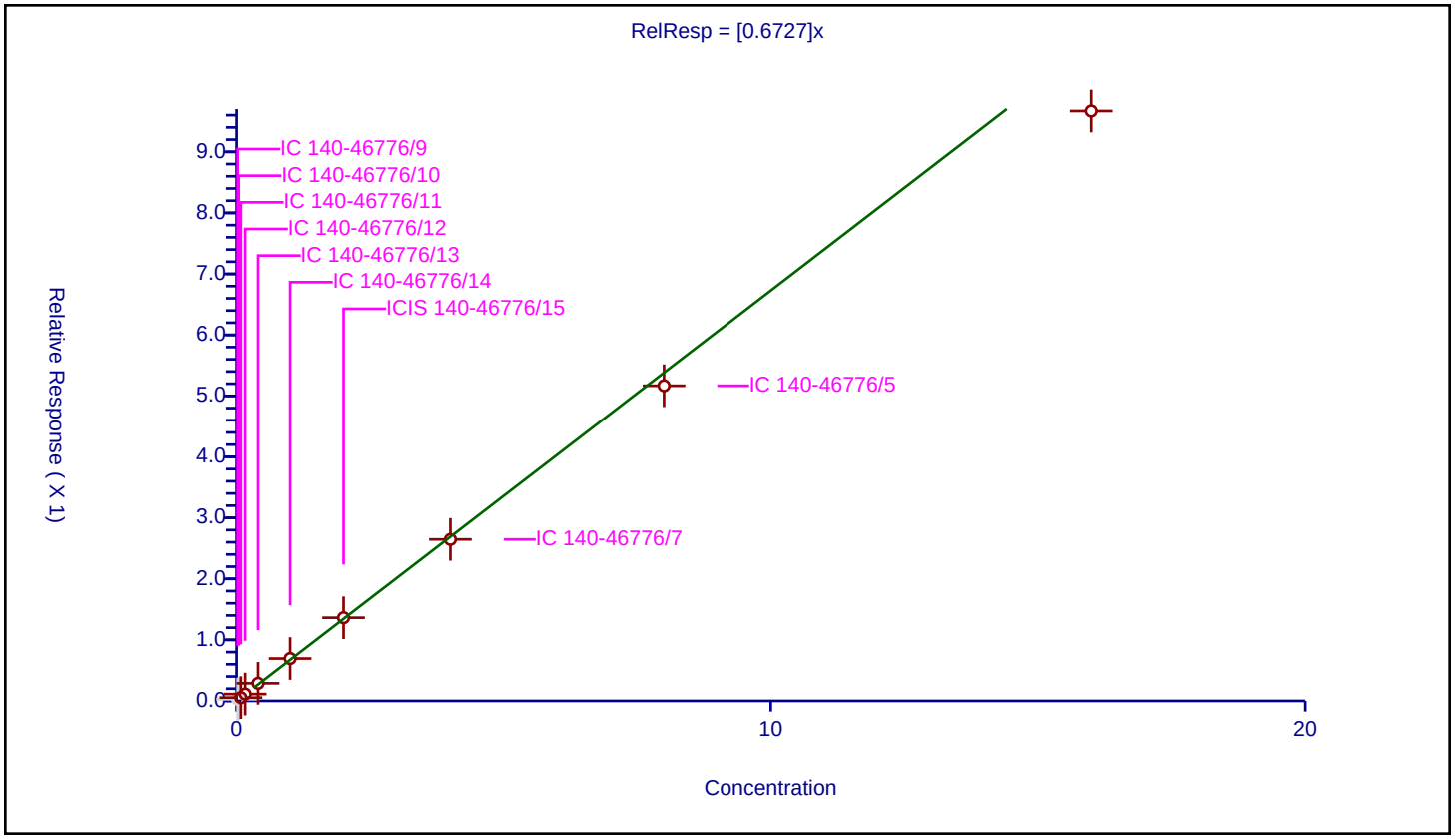
Curve Coefficients

Intercept:	0
Slope:	0.6727

Error Coefficients

Standard Error:	403000
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 140-46776/9	0.02	0.026675	4.8	428810.0	1.333738	N
2	IC 140-46776/10	0.04	0.035615	4.8	433296.0	0.890384	N
3	IC 140-46776/11	0.08	0.053987	4.8	424899.0	0.674843	Y
4	IC 140-46776/12	0.16	0.111747	4.8	429583.0	0.698421	Y
5	IC 140-46776/13	0.4	0.288093	4.8	417949.0	0.720231	Y
6	IC 140-46776/14	1.0	0.694323	4.8	428474.0	0.694323	Y
7	ICIS 140-46776/15	2.0	1.36334	4.8	440849.0	0.68167	Y
8	IC 140-46776/7	4.0	2.646653	4.8	454121.0	0.661663	Y
9	IC 140-46776/5	8.0	5.166692	4.8	458150.0	0.645837	Y
10	IC 140-46776/3	16.0	9.667728	4.8	446279.0	0.604233	Y



Calibration / Bromomethane

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

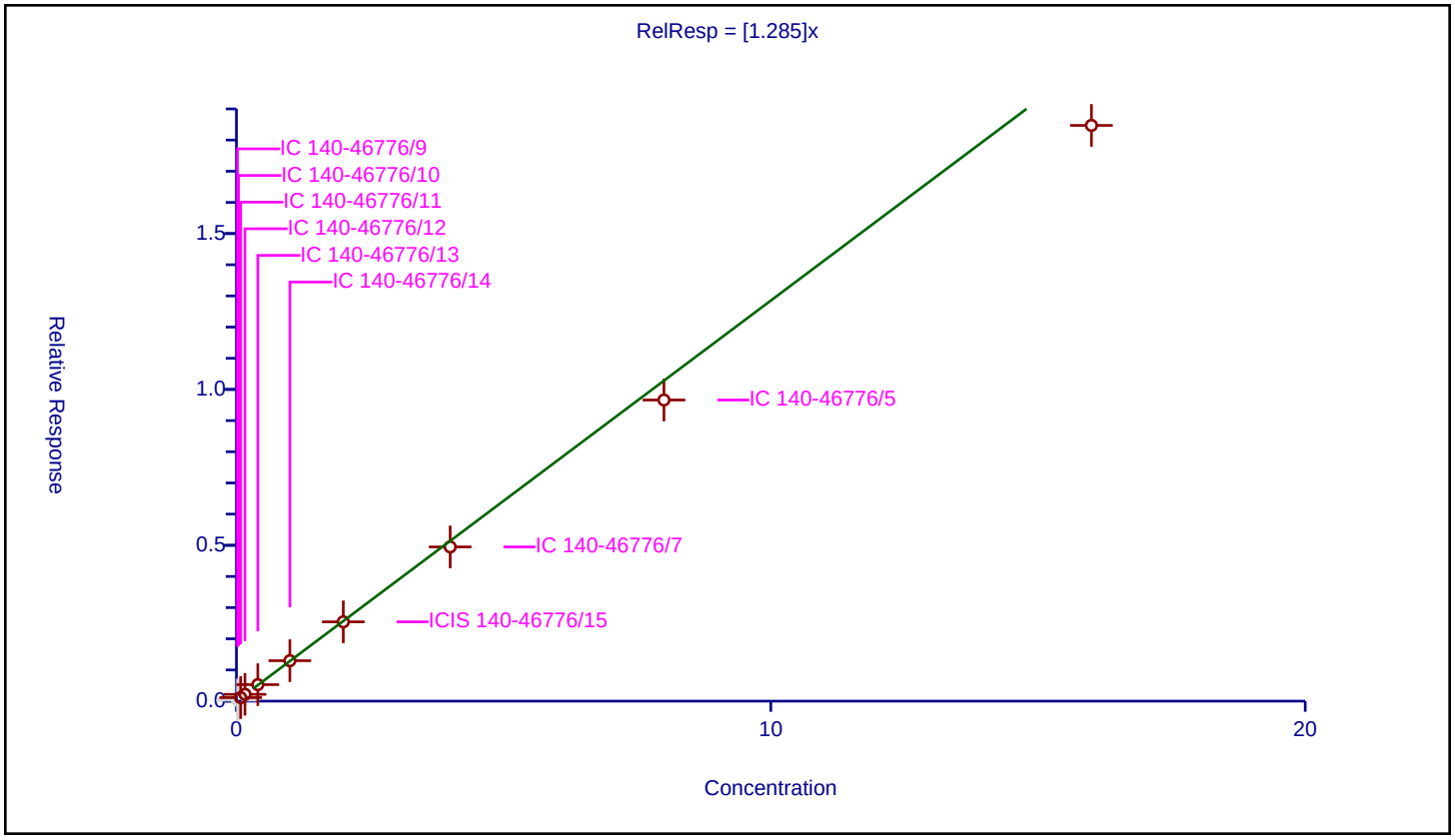
Curve Coefficients

Intercept:	0
Slope:	1.285

Error Coefficients

Standard Error:	764000
Relative Standard Error:	6.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.031734	4.8	428810.0	1.586717	N
2	IC 140-46776/10	0.04	0.061294	4.8	433296.0	1.532347	N
3	IC 140-46776/11	0.08	0.114064	4.8	424899.0	1.425798	Y
4	IC 140-46776/12	0.16	0.218288	4.8	429583.0	1.3643	Y
5	IC 140-46776/13	0.4	0.528914	4.8	417949.0	1.322286	Y
6	IC 140-46776/14	1.0	1.297445	4.8	428474.0	1.297445	Y
7	ICIS 140-46776/15	2.0	2.54424	4.8	440849.0	1.27212	Y
8	IC 140-46776/7	4.0	4.947302	4.8	454121.0	1.236825	Y
9	IC 140-46776/5	8.0	9.661028	4.8	458150.0	1.207629	Y
10	IC 140-46776/3	16.0	18.470092	4.8	446279.0	1.154381	Y



Calibration / Chloroethane

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

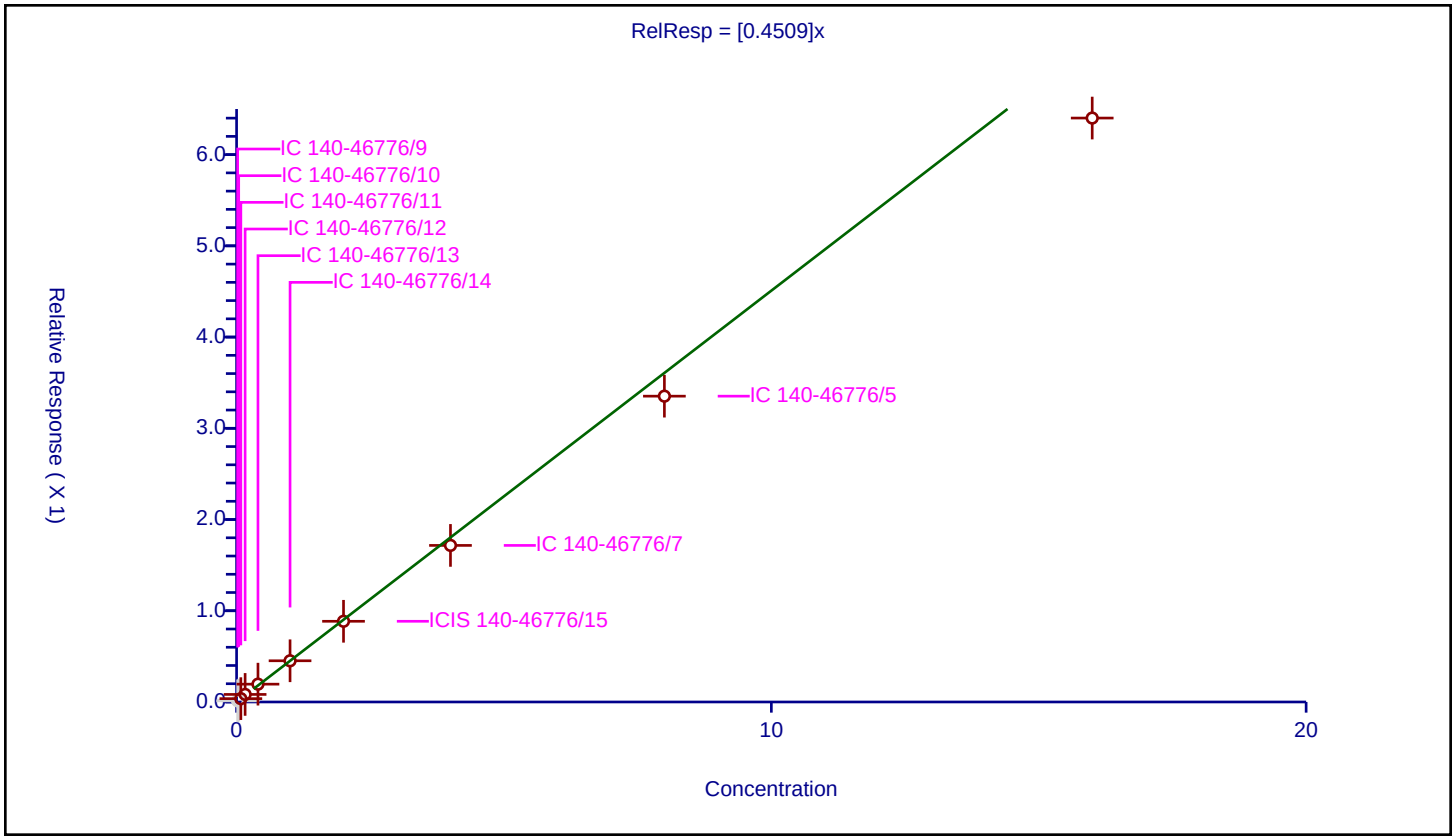
Curve Coefficients

Intercept:	0
Slope:	0.4509

Error Coefficients

Standard Error:	265000
Relative Standard Error:	8.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.012392	4.8	428810.0	0.619575	N
2	IC 140-46776/10	0.04	0.020428	4.8	433296.0	0.51069	N
3	IC 140-46776/11	0.08	0.03659	4.8	424899.0	0.457379	Y
4	IC 140-46776/12	0.16	0.082998	4.8	429583.0	0.518736	Y
5	IC 140-46776/13	0.4	0.195492	4.8	417949.0	0.488729	Y
6	IC 140-46776/14	1.0	0.451619	4.8	428474.0	0.451619	Y
7	ICIS 140-46776/15	2.0	0.884689	4.8	440849.0	0.442345	Y
8	IC 140-46776/7	4.0	1.716399	4.8	454121.0	0.4291	Y
9	IC 140-46776/5	8.0	3.352519	4.8	458150.0	0.419065	Y
10	IC 140-46776/3	16.0	6.400843	4.8	446279.0	0.400053	Y



Calibration / Ethanol

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

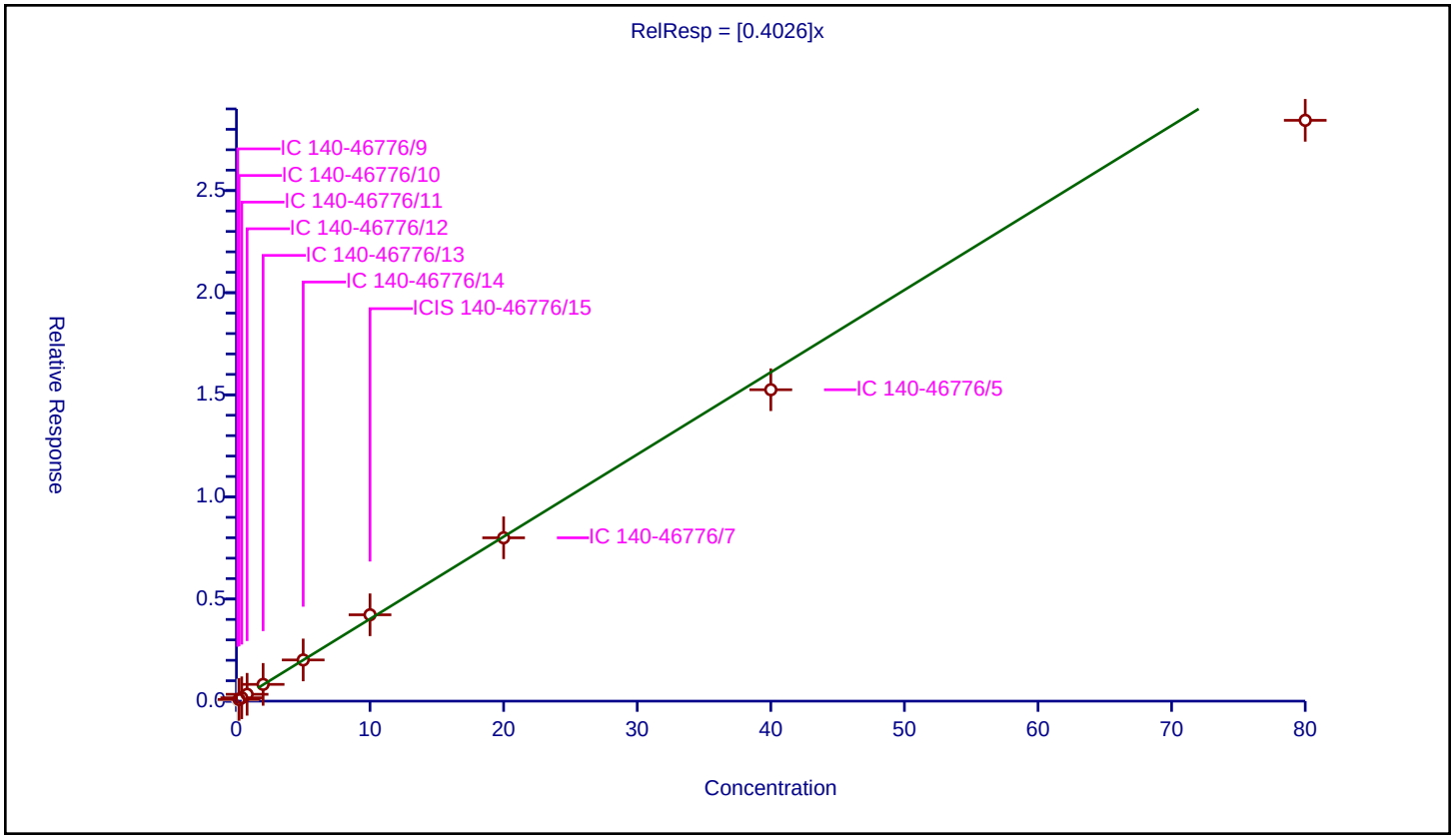
Curve Coefficients

Intercept:	0
Slope:	0.4026

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	5.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.1	0.05532	4.8	428810.0	0.553196	N
2	IC 140-46776/10	0.2	0.083815	4.8	433296.0	0.419076	Y
3	IC 140-46776/11	0.4	0.164707	4.8	424899.0	0.411768	Y
4	IC 140-46776/12	0.8	0.335477	4.8	429583.0	0.419346	Y
5	IC 140-46776/13	2.0	0.82152	4.8	417949.0	0.41076	Y
6	IC 140-46776/14	5.0	2.016481	4.8	428474.0	0.403296	Y
7	ICIS 140-46776/15	10.0	4.228278	4.8	440849.0	0.422828	Y
8	IC 140-46776/7	20.0	7.99784	4.8	454121.0	0.399892	Y
9	IC 140-46776/5	40.0	15.248494	4.8	458150.0	0.381212	Y
10	IC 140-46776/3	80.0	28.440935	4.8	446279.0	0.355512	Y



Calibration / Vinyl bromide

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

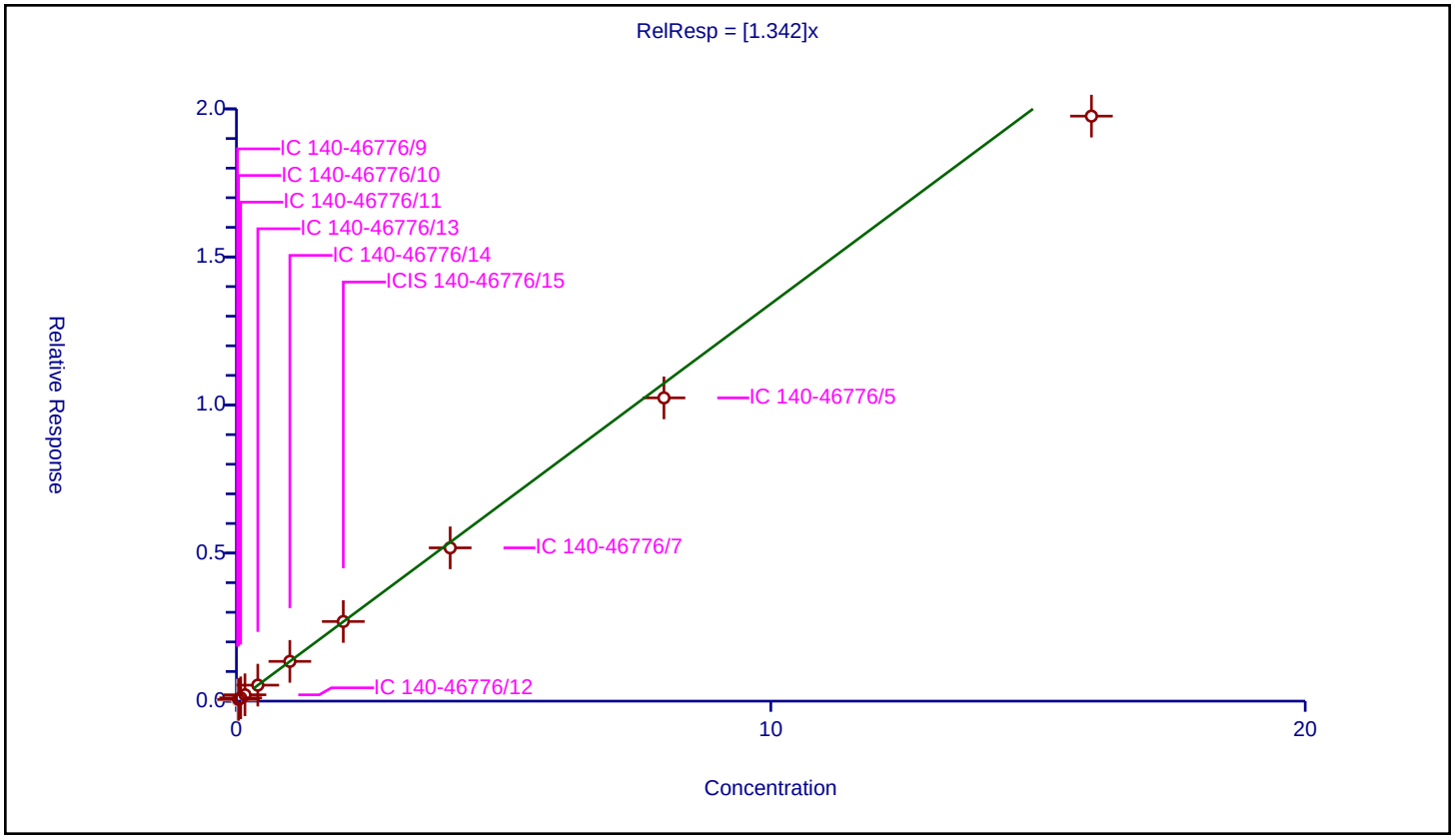
Curve Coefficients

Intercept:	0
Slope:	1.342

Error Coefficients

Standard Error:	762000
Relative Standard Error:	5.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.034656	4.8	428810.0	1.732795	N
2	IC 140-46776/10	0.04	0.060097	4.8	433296.0	1.502437	Y
3	IC 140-46776/11	0.08	0.111048	4.8	424899.0	1.388095	Y
4	IC 140-46776/12	0.16	0.21412	4.8	429583.0	1.338251	Y
5	IC 140-46776/13	0.4	0.540123	4.8	417949.0	1.350308	Y
6	IC 140-46776/14	1.0	1.342435	4.8	428474.0	1.342435	Y
7	ICIS 140-46776/15	2.0	2.689334	4.8	440849.0	1.344667	Y
8	IC 140-46776/7	4.0	5.176573	4.8	454121.0	1.294143	Y
9	IC 140-46776/5	8.0	10.240884	4.8	458150.0	1.28011	Y
10	IC 140-46776/3	16.0	19.755914	4.8	446279.0	1.234745	Y



Calibration / 2-Methylbutane

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

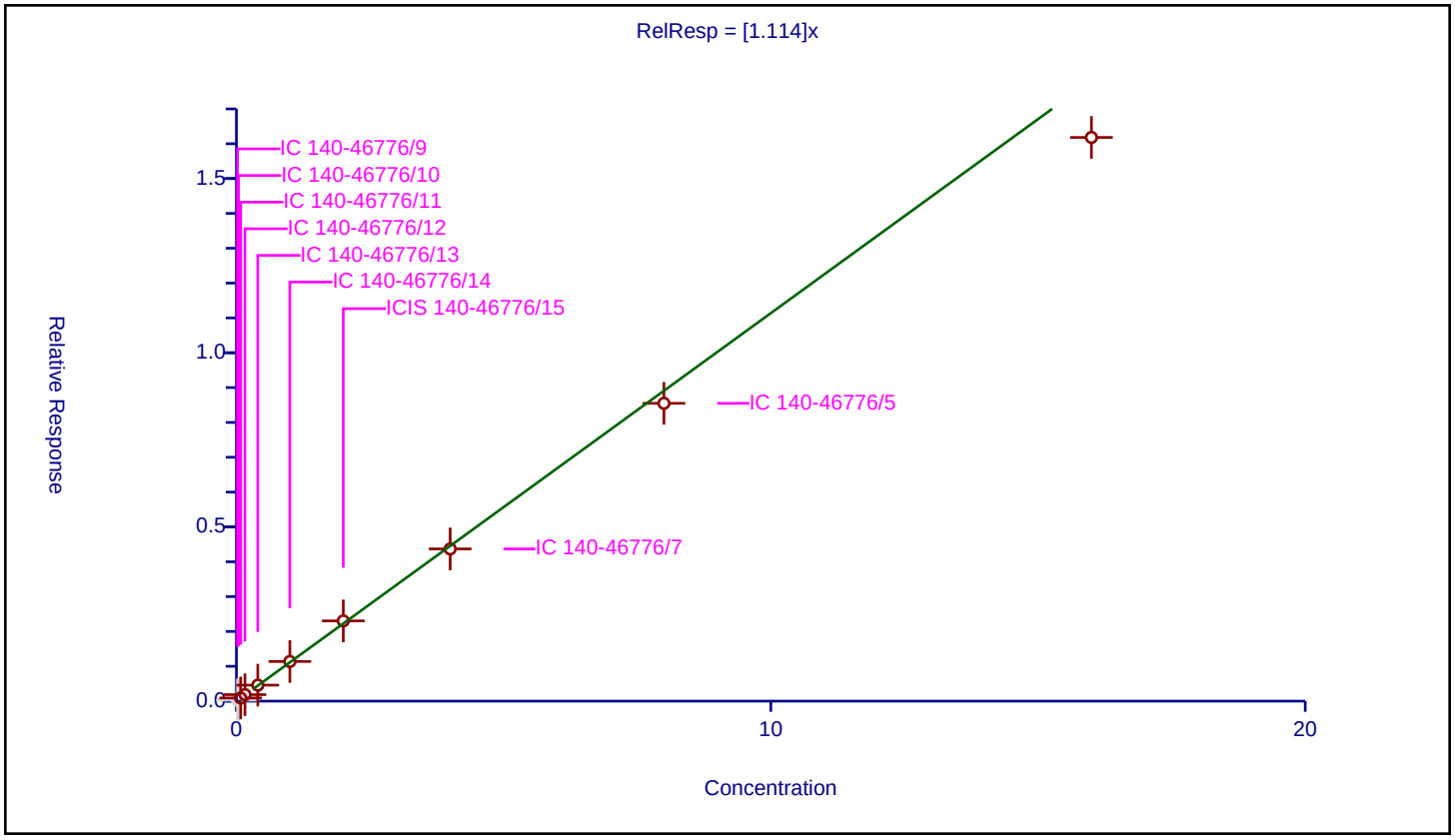
Curve Coefficients

Intercept:	0
Slope:	1.114

Error Coefficients

Standard Error:	672000
Relative Standard Error:	4.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.030525	4.8	428810.0	1.52627	N
2	IC 140-46776/10	0.04	0.051822	4.8	433296.0	1.295558	N
3	IC 140-46776/11	0.08	0.090826	4.8	424899.0	1.135329	Y
4	IC 140-46776/12	0.16	0.186477	4.8	429583.0	1.165479	Y
5	IC 140-46776/13	0.4	0.458766	4.8	417949.0	1.146915	Y
6	IC 140-46776/14	1.0	1.137719	4.8	428474.0	1.137719	Y
7	ICIS 140-46776/15	2.0	2.303385	4.8	440849.0	1.151692	Y
8	IC 140-46776/7	4.0	4.369595	4.8	454121.0	1.092399	Y
9	IC 140-46776/5	8.0	8.548337	4.8	458150.0	1.068542	Y
10	IC 140-46776/3	16.0	16.180547	4.8	446279.0	1.011284	Y



Calibration / Trichlorofluoromethane

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

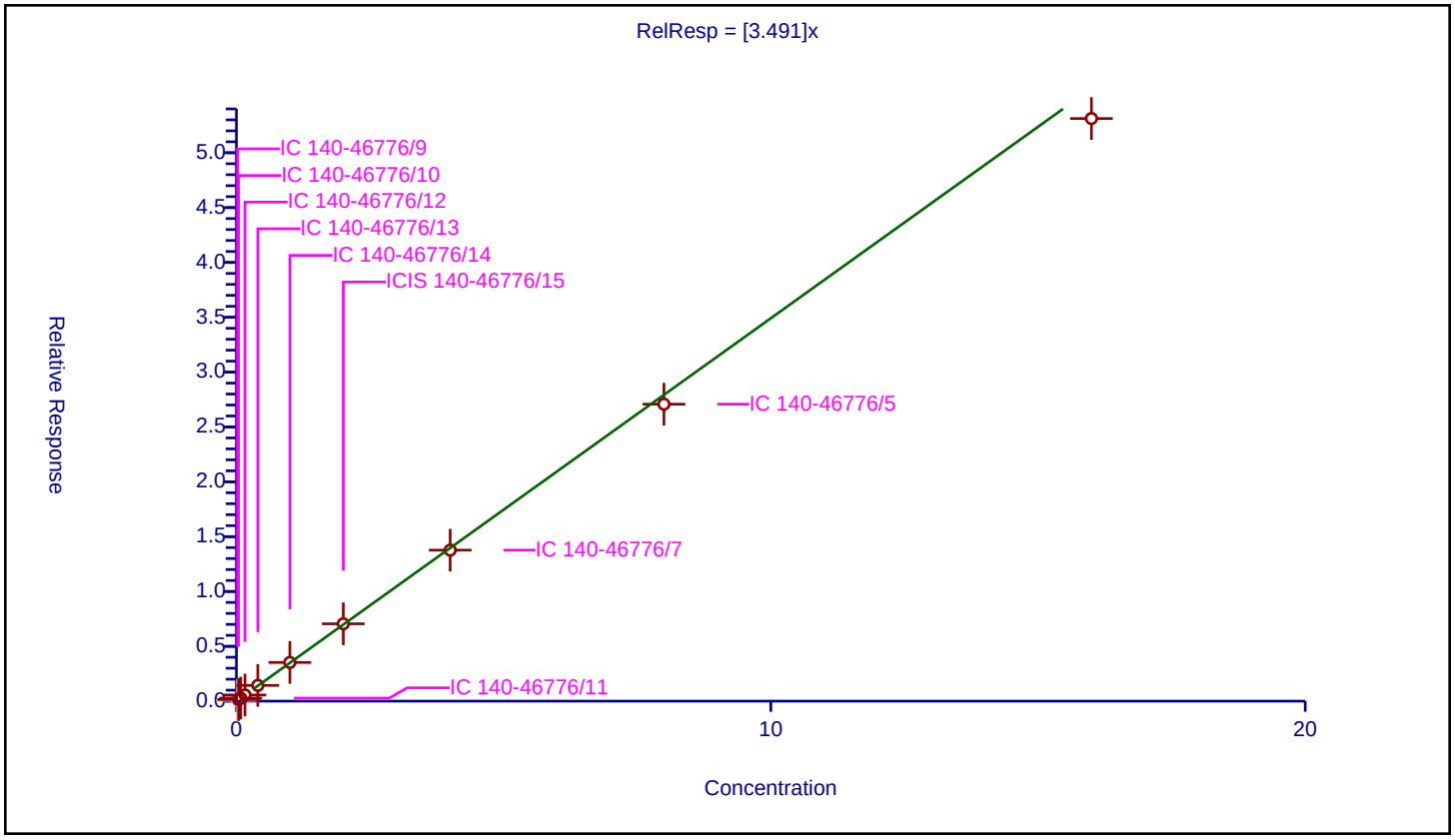
Curve Coefficients

Intercept:	0
Slope:	3.491

Error Coefficients

Standard Error:	2040000
Relative Standard Error:	2.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.079521	4.8	428810.0	3.976027	N
2	IC 140-46776/10	0.04	0.146084	4.8	433296.0	3.652099	Y
3	IC 140-46776/11	0.08	0.27841	4.8	424899.0	3.480121	Y
4	IC 140-46776/12	0.16	0.559307	4.8	429583.0	3.495669	Y
5	IC 140-46776/13	0.4	1.43673	4.8	417949.0	3.591826	Y
6	IC 140-46776/14	1.0	3.526125	4.8	428474.0	3.526125	Y
7	ICIS 140-46776/15	2.0	7.054062	4.8	440849.0	3.527031	Y
8	IC 140-46776/7	4.0	13.767467	4.8	454121.0	3.441867	Y
9	IC 140-46776/5	8.0	27.074734	4.8	458150.0	3.384342	Y
10	IC 140-46776/3	16.0	53.121646	4.8	446279.0	3.320103	Y



Calibration / Acrolein

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

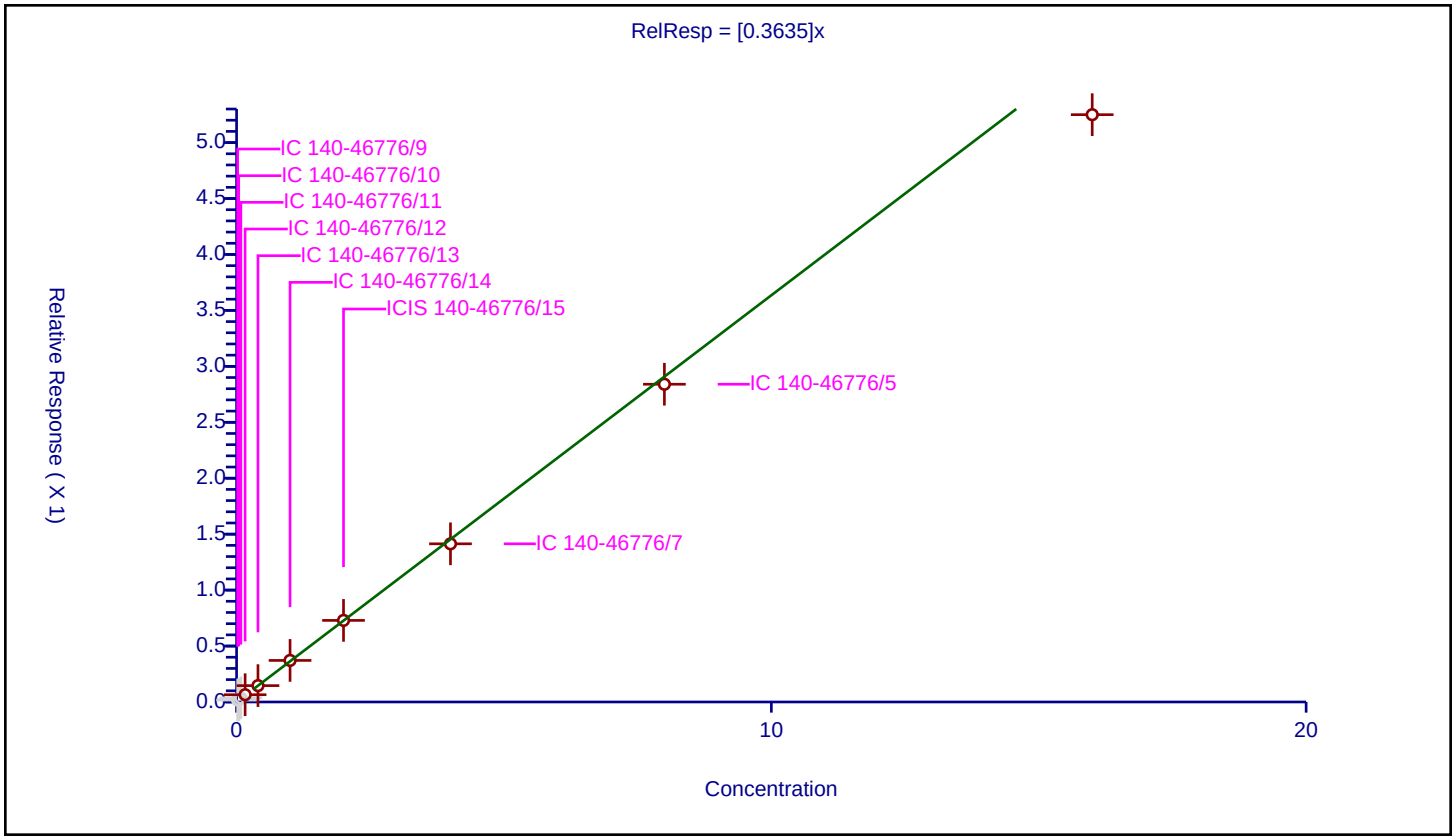
Curve Coefficients

Intercept:	0
Slope:	0.3635

Error Coefficients

Standard Error:	236000
Relative Standard Error:	6.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.01725	4.8	428810.0	0.86248	N
2	IC 140-46776/10	0.04	0.021391	4.8	433296.0	0.534785	N
3	IC 140-46776/11	0.08	0.036489	4.8	424899.0	0.456108	N
4	IC 140-46776/12	0.16	0.065042	4.8	429583.0	0.40651	Y
5	IC 140-46776/13	0.4	0.146142	4.8	417949.0	0.365356	Y
6	IC 140-46776/14	1.0	0.371544	4.8	428474.0	0.371544	Y
7	ICIS 140-46776/15	2.0	0.729218	4.8	440849.0	0.364609	Y
8	IC 140-46776/7	4.0	1.413678	4.8	454121.0	0.353419	Y
9	IC 140-46776/5	8.0	2.840052	4.8	458150.0	0.355006	Y
10	IC 140-46776/3	16.0	5.249391	4.8	446279.0	0.328087	Y



Calibration / Acetonitrile

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

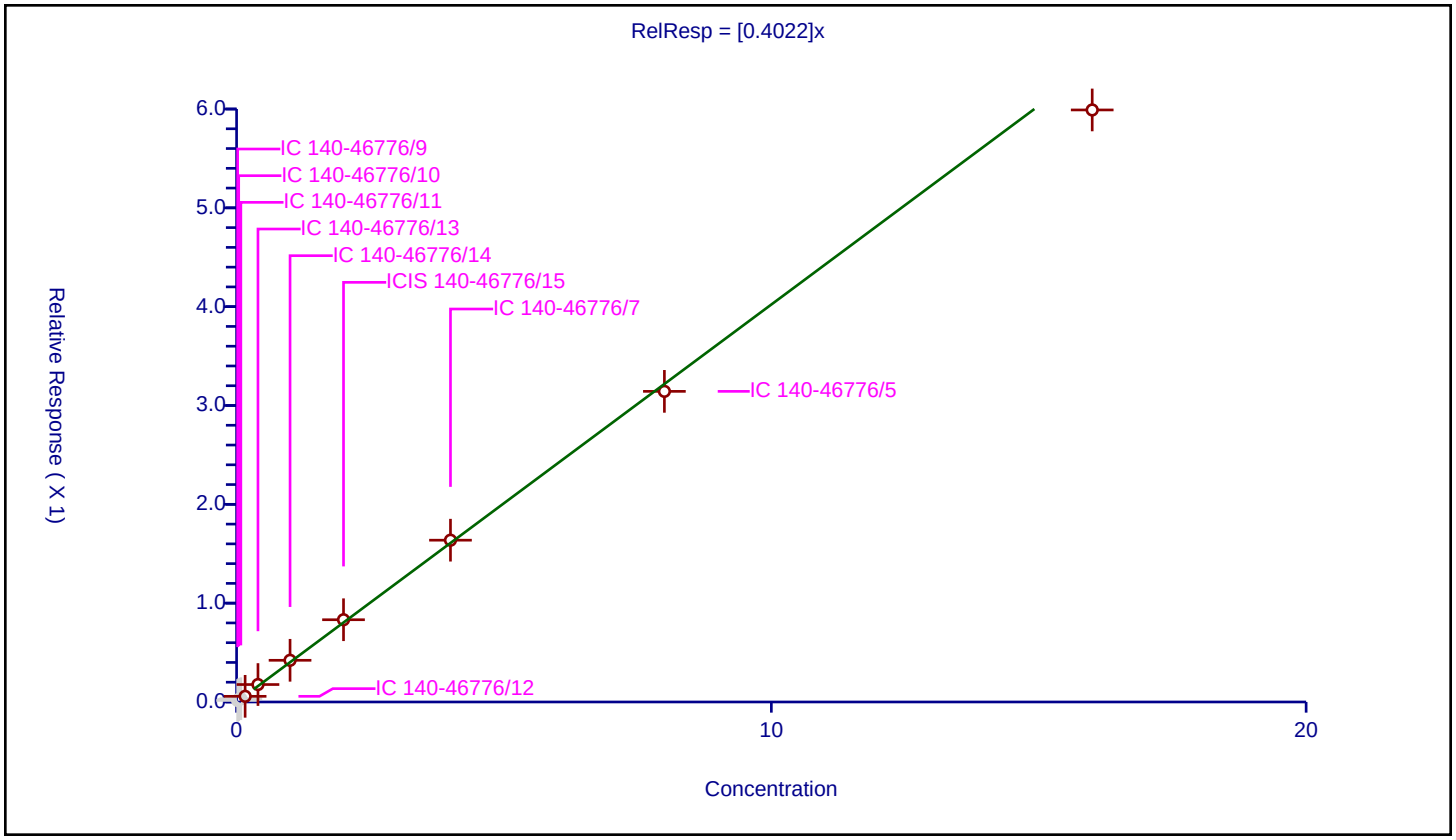
Curve Coefficients

Intercept:	0
Slope:	0.4022

Error Coefficients

Standard Error:	268000
Relative Standard Error:	7.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.01538	4.8	428810.0	0.769012	N
2	IC 140-46776/10	0.04	0.02477	4.8	433296.0	0.619253	N
3	IC 140-46776/11	0.08	0.033292	4.8	424899.0	0.416146	N
4	IC 140-46776/12	0.16	0.057466	4.8	429583.0	0.359162	Y
5	IC 140-46776/13	0.4	0.176554	4.8	417949.0	0.441384	Y
6	IC 140-46776/14	1.0	0.421989	4.8	428474.0	0.421989	Y
7	ICIS 140-46776/15	2.0	0.832296	4.8	440849.0	0.416148	Y
8	IC 140-46776/7	4.0	1.637231	4.8	454121.0	0.409308	Y
9	IC 140-46776/5	8.0	3.143107	4.8	458150.0	0.392888	Y
10	IC 140-46776/3	16.0	5.990452	4.8	446279.0	0.374403	Y



Calibration / Acetone

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

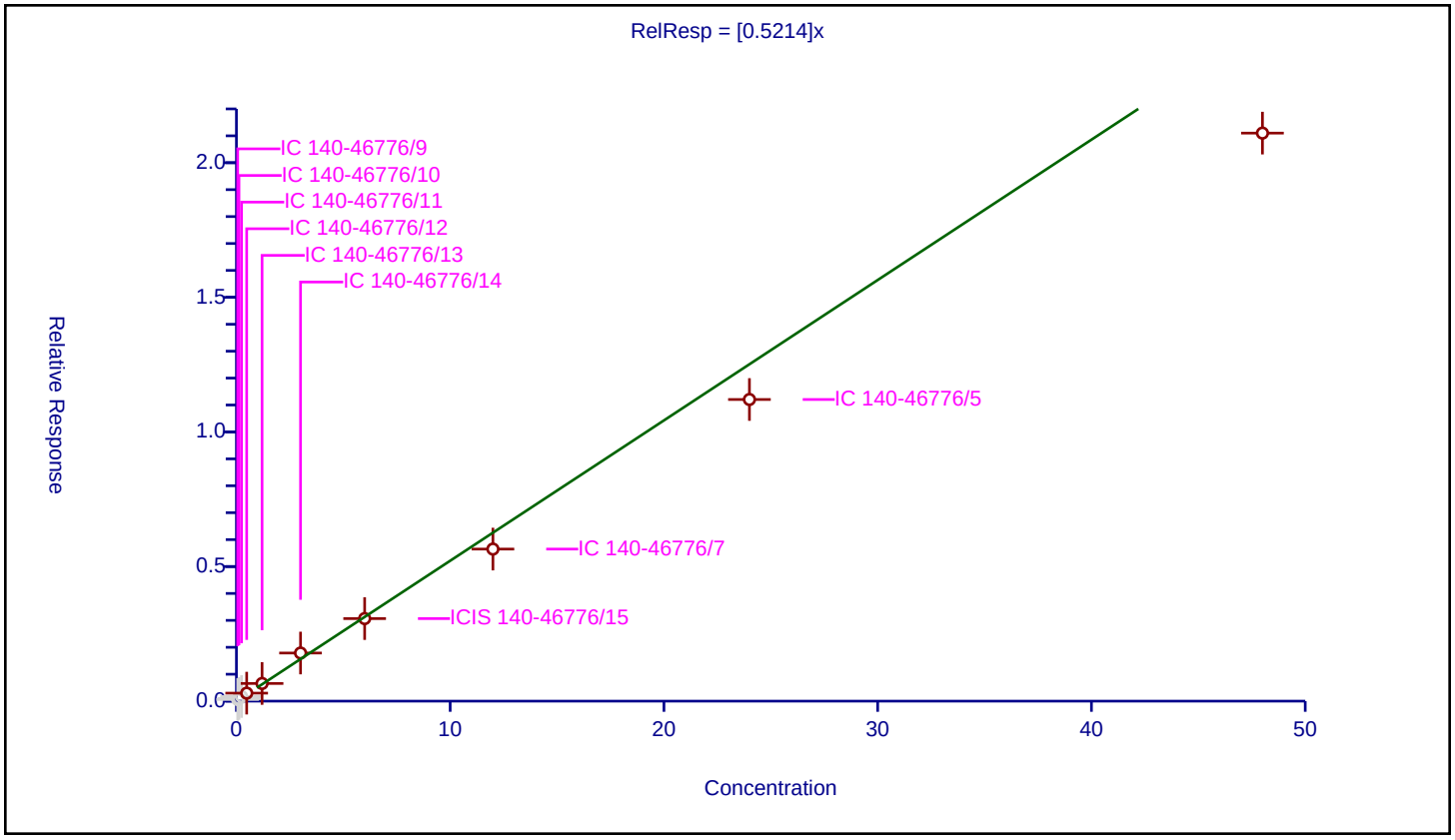
Curve Coefficients

Intercept:	0
Slope:	0.5214

Error Coefficients

Standard Error:	948000
Relative Standard Error:	13.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.06	0.061096	4.8	428810.0	1.01826	N
2	IC 140-46776/10	0.12	0.097231	4.8	433296.0	0.810254	N
3	IC 140-46776/11	0.24	0.171587	4.8	424899.0	0.714946	N
4	IC 140-46776/12	0.48	0.297107	4.8	429583.0	0.618972	Y
5	IC 140-46776/13	1.2	0.656015	4.8	417949.0	0.546679	Y
6	IC 140-46776/14	3.0	1.78759	4.8	428474.0	0.595863	Y
7	ICIS 140-46776/15	6.0	3.066955	4.8	440849.0	0.511159	Y
8	IC 140-46776/7	12.0	5.648972	4.8	454121.0	0.470748	Y
9	IC 140-46776/5	24.0	11.205493	4.8	458150.0	0.466896	Y
10	IC 140-46776/3	48.0	21.100279	4.8	446279.0	0.439589	Y



Calibration / Isopropyl alcohol

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

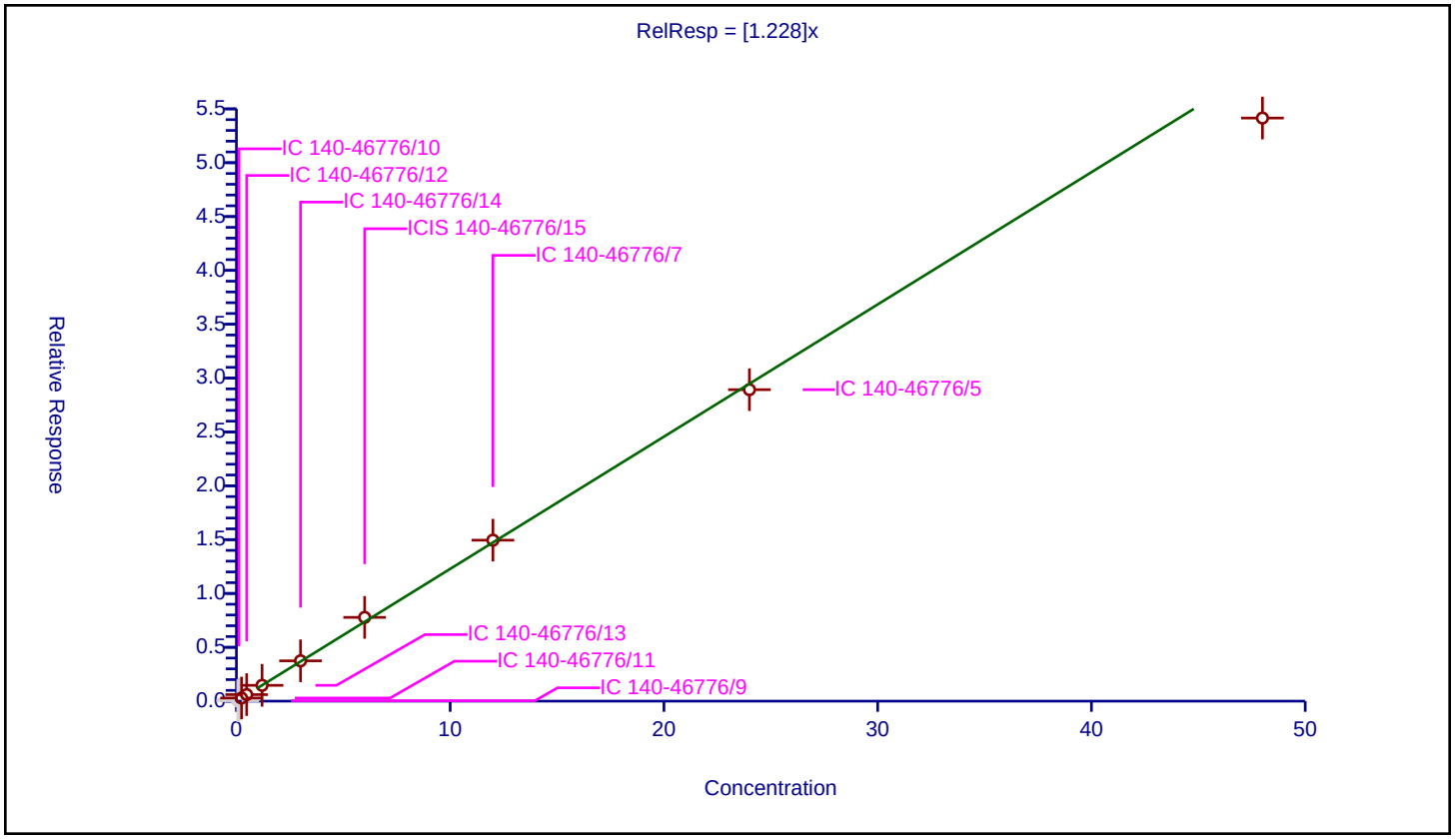
Curve Coefficients

Intercept:	0
Slope:	1.228

Error Coefficients

Standard Error:	2260000
Relative Standard Error:	4.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.06	0.035731	4.8	428810.0	0.595509	N
2	IC 140-46776/10	0.12	0.154847	4.8	433296.0	1.290388	N
3	IC 140-46776/11	0.24	0.291582	4.8	424899.0	1.214924	Y
4	IC 140-46776/12	0.48	0.606158	4.8	429583.0	1.262829	Y
5	IC 140-46776/13	1.2	1.468152	4.8	417949.0	1.22346	Y
6	IC 140-46776/14	3.0	3.743342	4.8	428474.0	1.247781	Y
7	ICIS 140-46776/15	6.0	7.776562	4.8	440849.0	1.296094	Y
8	IC 140-46776/7	12.0	14.948936	4.8	454121.0	1.245745	Y
9	IC 140-46776/5	24.0	28.92455	4.8	458150.0	1.20519	Y
10	IC 140-46776/3	48.0	54.148688	4.8	446279.0	1.128098	Y



Calibration / Pentane

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

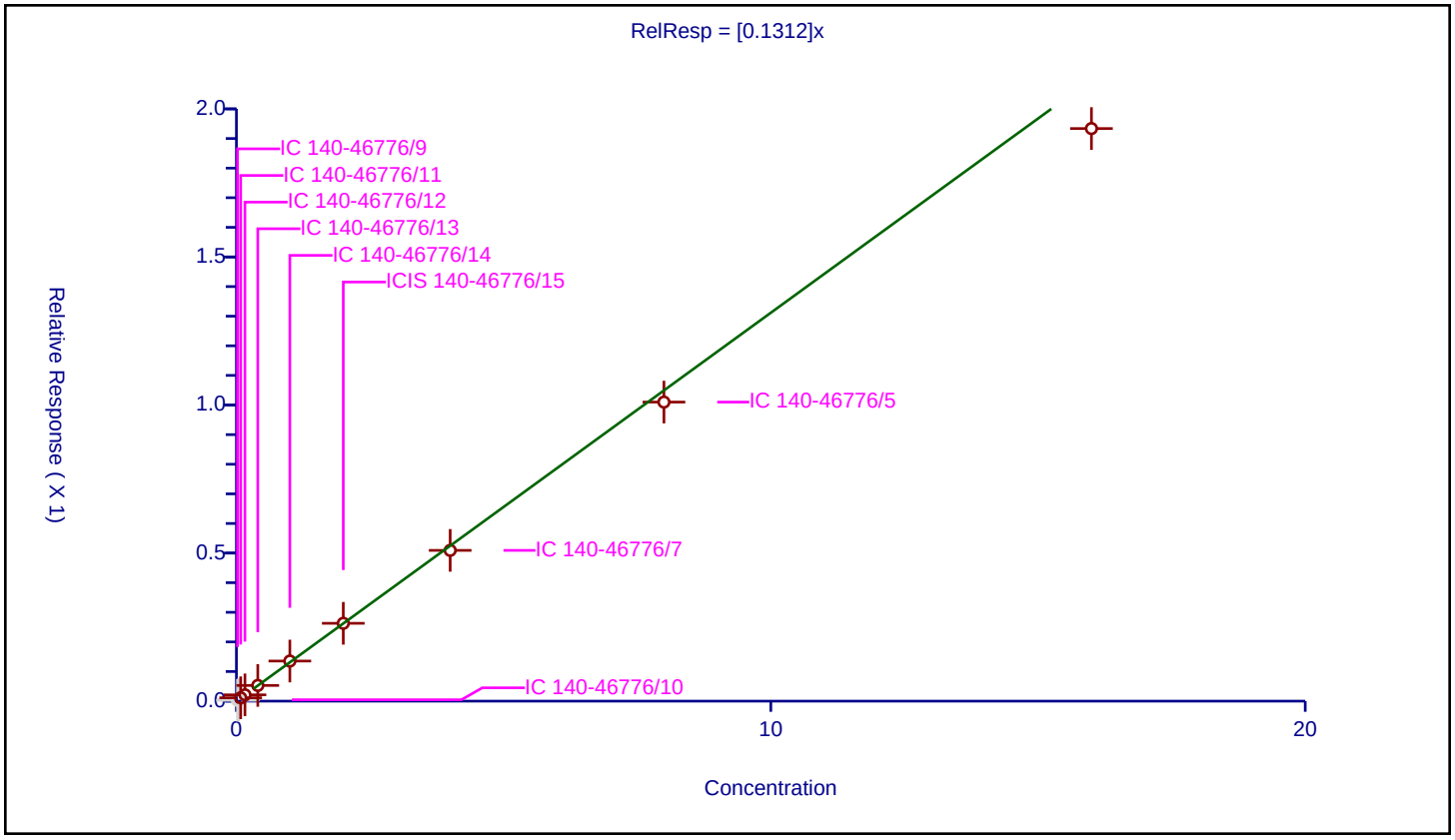
Curve Coefficients

Intercept:	0
Slope:	0.1312

Error Coefficients

Standard Error:	79900
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 140-46776/9	0.02	0.00272	4.8	428810.0	0.136004	N
2	IC 140-46776/10	0.04	0.004686	4.8	433296.0	0.117149	N
3	IC 140-46776/11	0.08	0.011421	4.8	424899.0	0.142763	Y
4	IC 140-46776/12	0.16	0.021252	4.8	429583.0	0.132826	Y
5	IC 140-46776/13	0.4	0.05299	4.8	417949.0	0.132475	Y
6	IC 140-46776/14	1.0	0.135372	4.8	428474.0	0.135372	Y
7	ICIS 140-46776/15	2.0	0.262827	4.8	440849.0	0.131414	Y
8	IC 140-46776/7	4.0	0.509161	4.8	454121.0	0.12729	Y
9	IC 140-46776/5	8.0	1.009912	4.8	458150.0	0.126239	Y
10	IC 140-46776/3	16.0	1.93361	4.8	446279.0	0.120851	Y



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

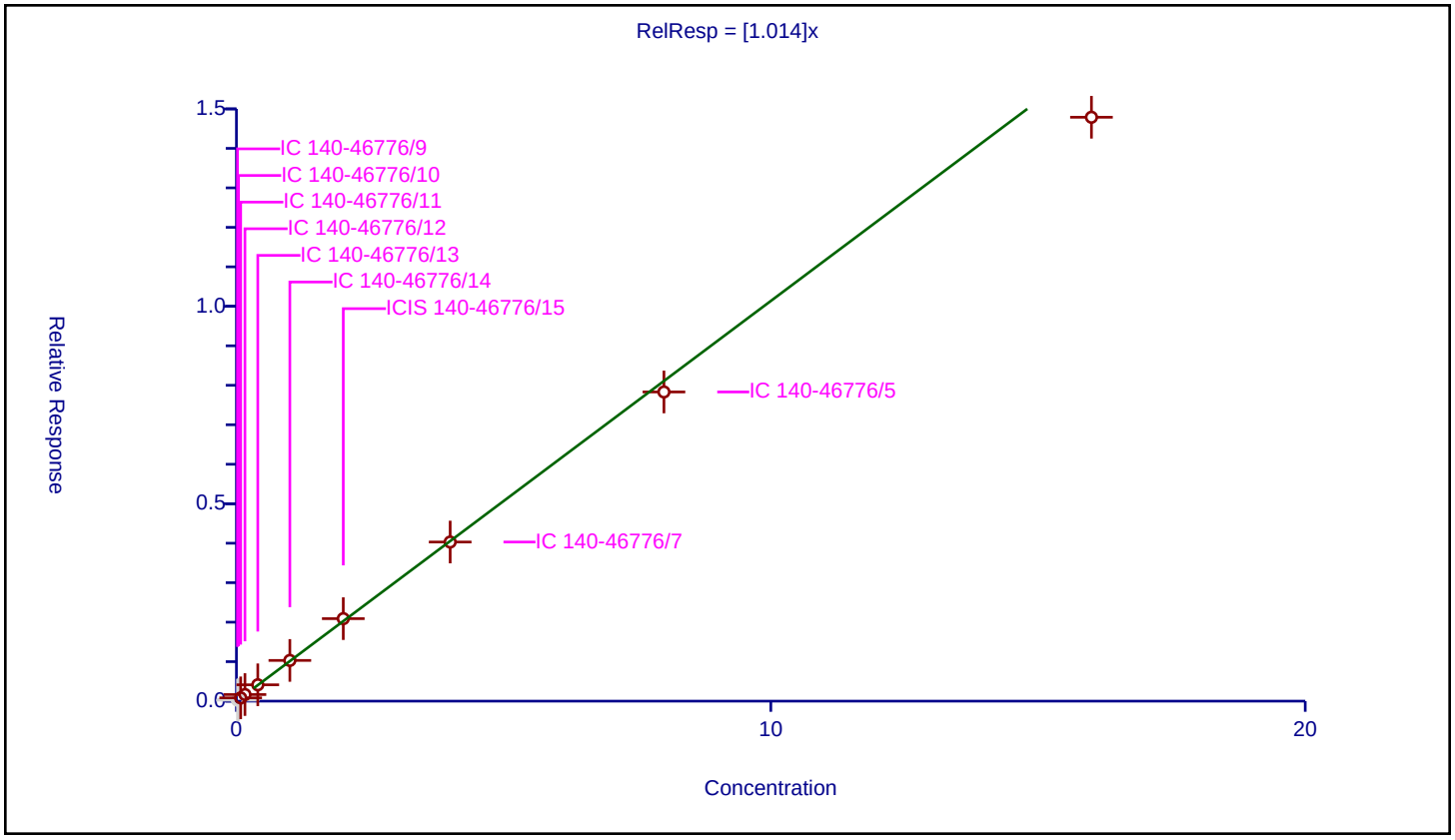
Curve Coefficients

Intercept:	0
Slope:	1.014

Error Coefficients

Standard Error:	614000
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 140-46776/9	0.02	0.024302	4.8	428810.0	1.215084	N
2	IC 140-46776/10	0.04	0.041753	4.8	433296.0	1.043813	N
3	IC 140-46776/11	0.08	0.08354	4.8	424899.0	1.044248	Y
4	IC 140-46776/12	0.16	0.166833	4.8	429583.0	1.042709	Y
5	IC 140-46776/13	0.4	0.413838	4.8	417949.0	1.034595	Y
6	IC 140-46776/14	1.0	1.031273	4.8	428474.0	1.031273	Y
7	ICIS 140-46776/15	2.0	2.089717	4.8	440849.0	1.044858	Y
8	IC 140-46776/7	4.0	4.030186	4.8	454121.0	1.007546	Y
9	IC 140-46776/5	8.0	7.830721	4.8	458150.0	0.97884	Y
10	IC 140-46776/3	16.0	14.788342	4.8	446279.0	0.924271	Y



Calibration / 1,1-Dichloroethene

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

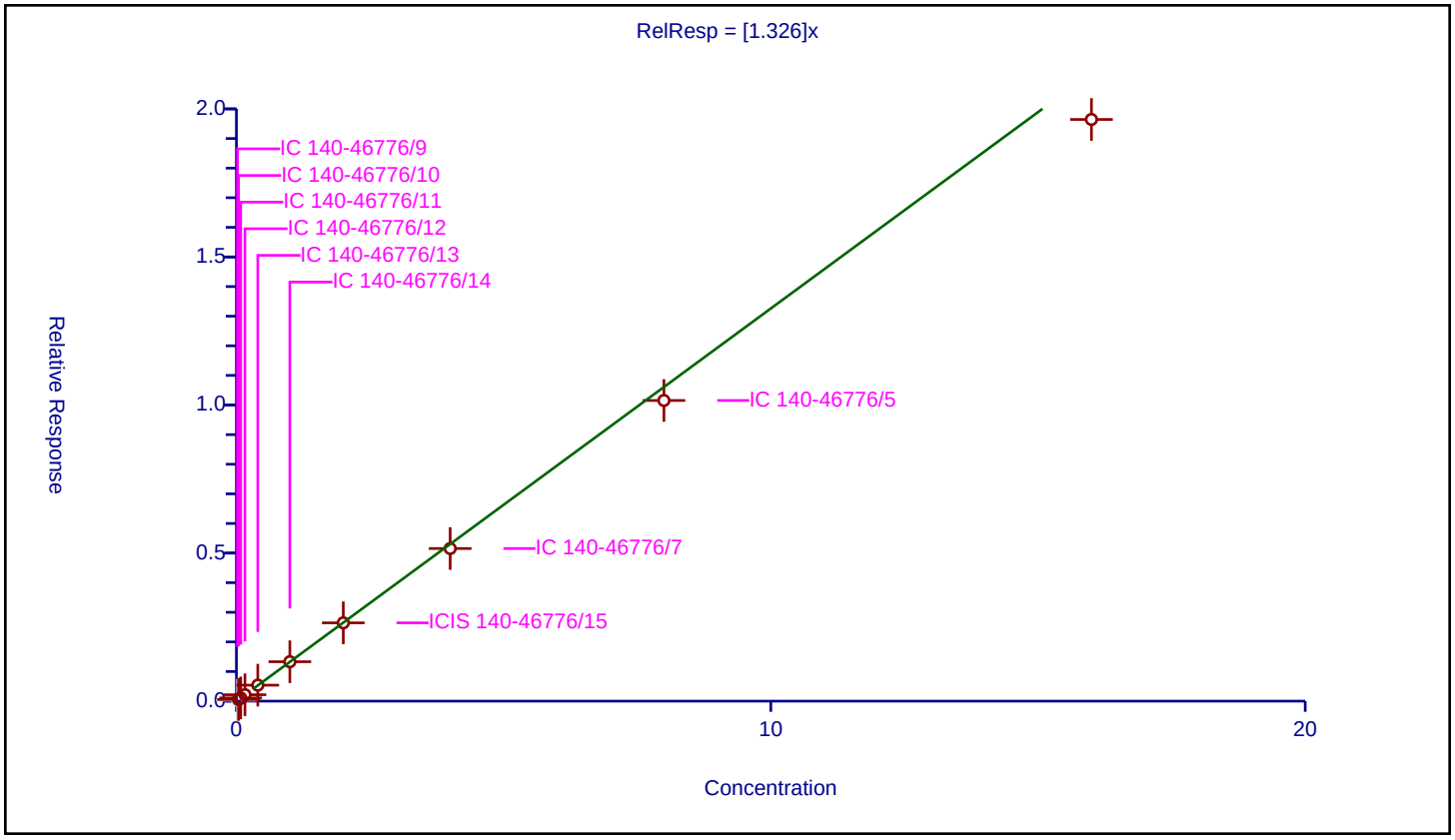
Curve Coefficients

Intercept:	0
Slope:	1.326

Error Coefficients

Standard Error:	757000
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 140-46776/9	0.02	0.035048	4.8	428810.0	1.752385	N
2	IC 140-46776/10	0.04	0.057383	4.8	433296.0	1.434585	Y
3	IC 140-46776/11	0.08	0.108641	4.8	424899.0	1.358017	Y
4	IC 140-46776/12	0.16	0.216578	4.8	429583.0	1.353615	Y
5	IC 140-46776/13	0.4	0.539652	4.8	417949.0	1.349131	Y
6	IC 140-46776/14	1.0	1.331008	4.8	428474.0	1.331008	Y
7	ICIS 140-46776/15	2.0	2.643986	4.8	440849.0	1.321993	Y
8	IC 140-46776/7	4.0	5.15371	4.8	454121.0	1.288428	Y
9	IC 140-46776/5	8.0	10.153317	4.8	458150.0	1.269165	Y
10	IC 140-46776/3	16.0	19.643303	4.8	446279.0	1.227706	Y



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

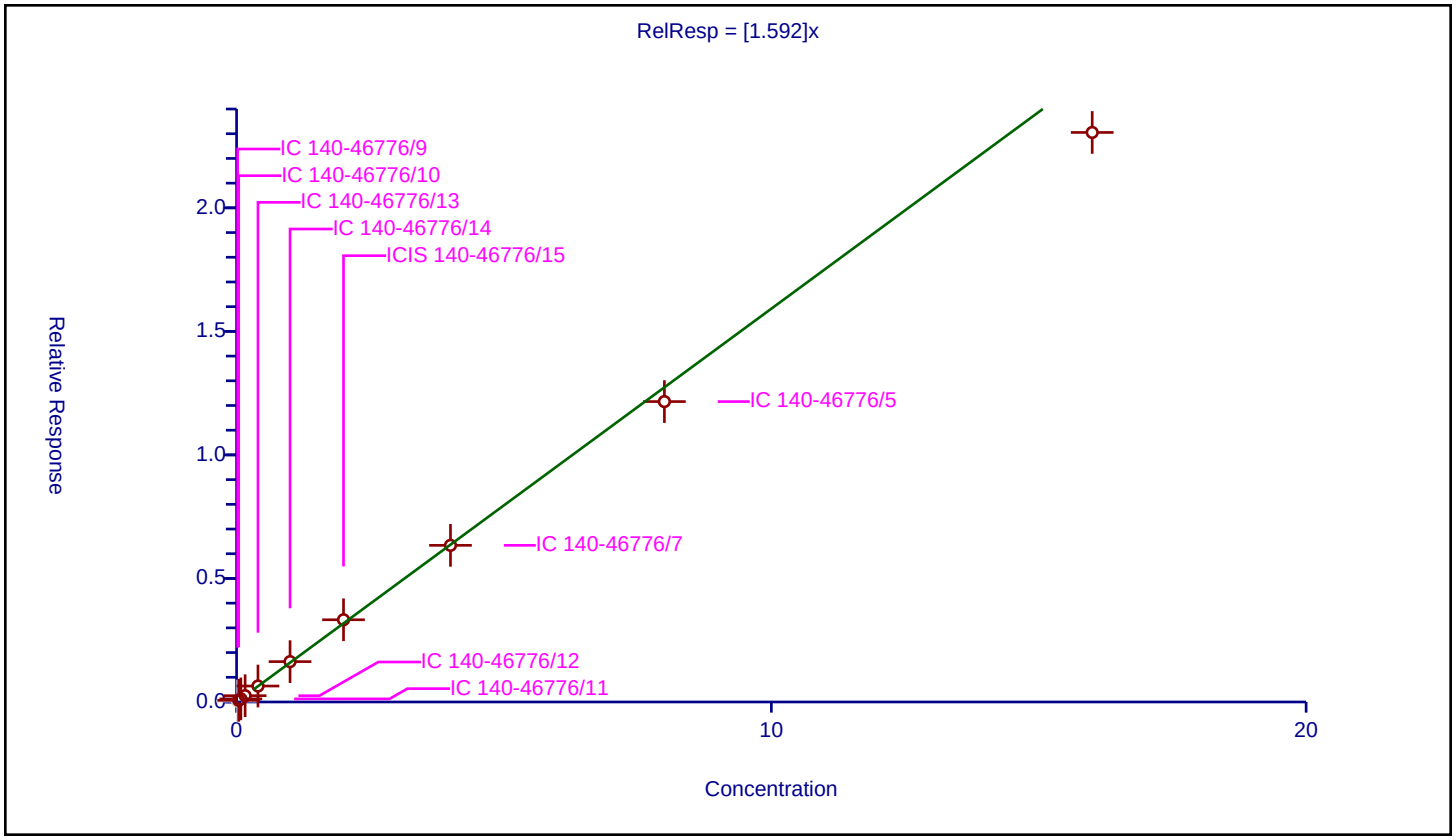
Curve Coefficients

Intercept:	0
Slope:	1.592

Error Coefficients

Standard Error:	896000
Relative Standard Error:	4.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.03638	4.8	428810.0	1.818987	N
2	IC 140-46776/10	0.04	0.068273	4.8	433296.0	1.706824	Y
3	IC 140-46776/11	0.08	0.125982	4.8	424899.0	1.574774	Y
4	IC 140-46776/12	0.16	0.253798	4.8	429583.0	1.586236	Y
5	IC 140-46776/13	0.4	0.646012	4.8	417949.0	1.61503	Y
6	IC 140-46776/14	1.0	1.63397	4.8	428474.0	1.63397	Y
7	ICIS 140-46776/15	2.0	3.328334	4.8	440849.0	1.664167	Y
8	IC 140-46776/7	4.0	6.33984	4.8	454121.0	1.58496	Y
9	IC 140-46776/5	8.0	12.158987	4.8	458150.0	1.519873	Y
10	IC 140-46776/3	16.0	23.051001	4.8	446279.0	1.440688	Y



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

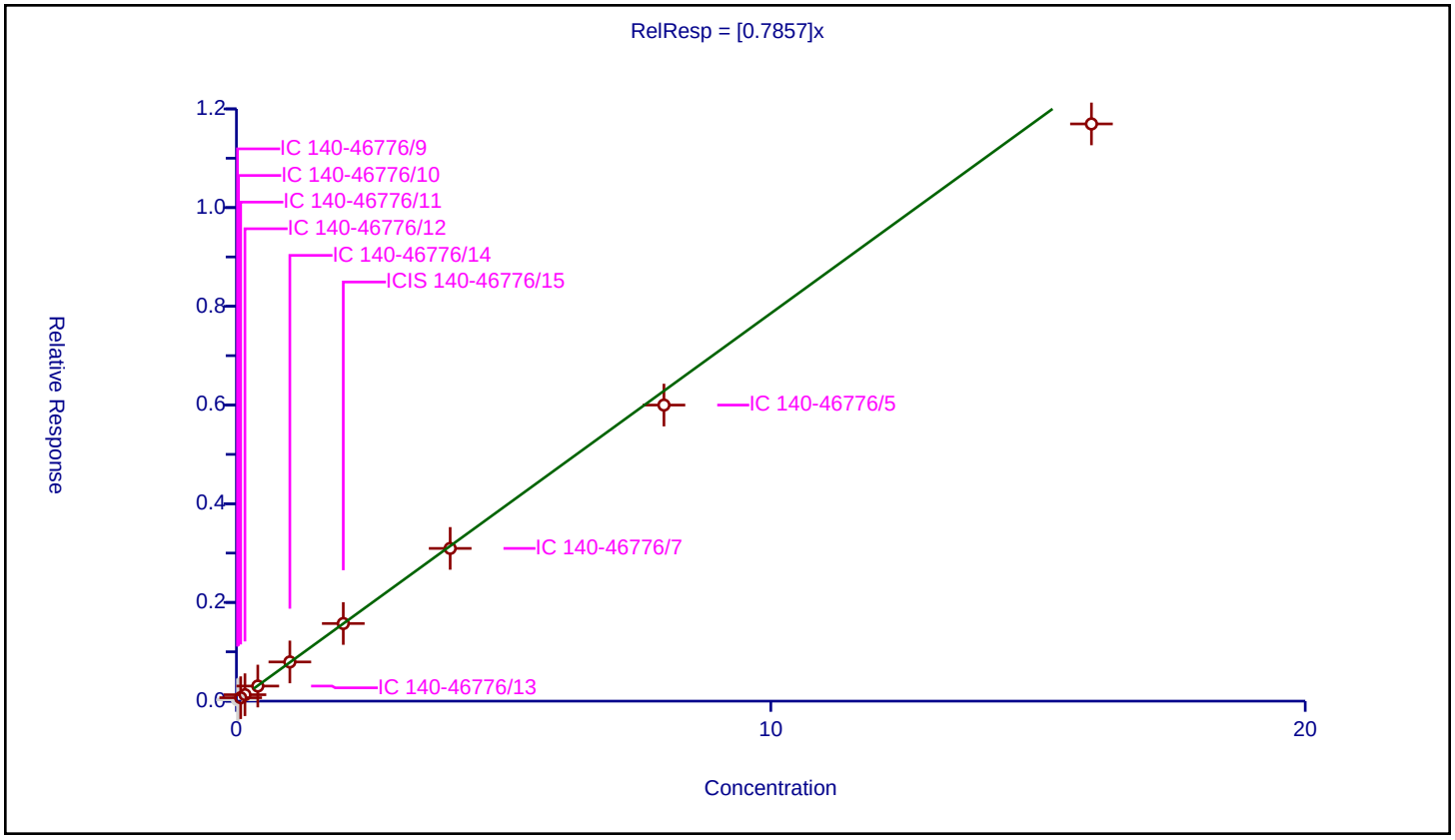
Curve Coefficients

Intercept:	0
Slope:	0.7857

Error Coefficients

Standard Error:	481000
Relative Standard Error:	5.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.026552	4.8	428810.0	1.327581	N
2	IC 140-46776/10	0.04	0.040224	4.8	433296.0	1.005594	N
3	IC 140-46776/11	0.08	0.06969	4.8	424899.0	0.871125	Y
4	IC 140-46776/12	0.16	0.13043	4.8	429583.0	0.815186	Y
5	IC 140-46776/13	0.4	0.305848	4.8	417949.0	0.76462	Y
6	IC 140-46776/14	1.0	0.793958	4.8	428474.0	0.793958	Y
7	ICIS 140-46776/15	2.0	1.573088	4.8	440849.0	0.786544	Y
8	IC 140-46776/7	4.0	3.094826	4.8	454121.0	0.773707	Y
9	IC 140-46776/5	8.0	5.998884	4.8	458150.0	0.749861	Y
10	IC 140-46776/3	16.0	11.695439	4.8	446279.0	0.730965	Y



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

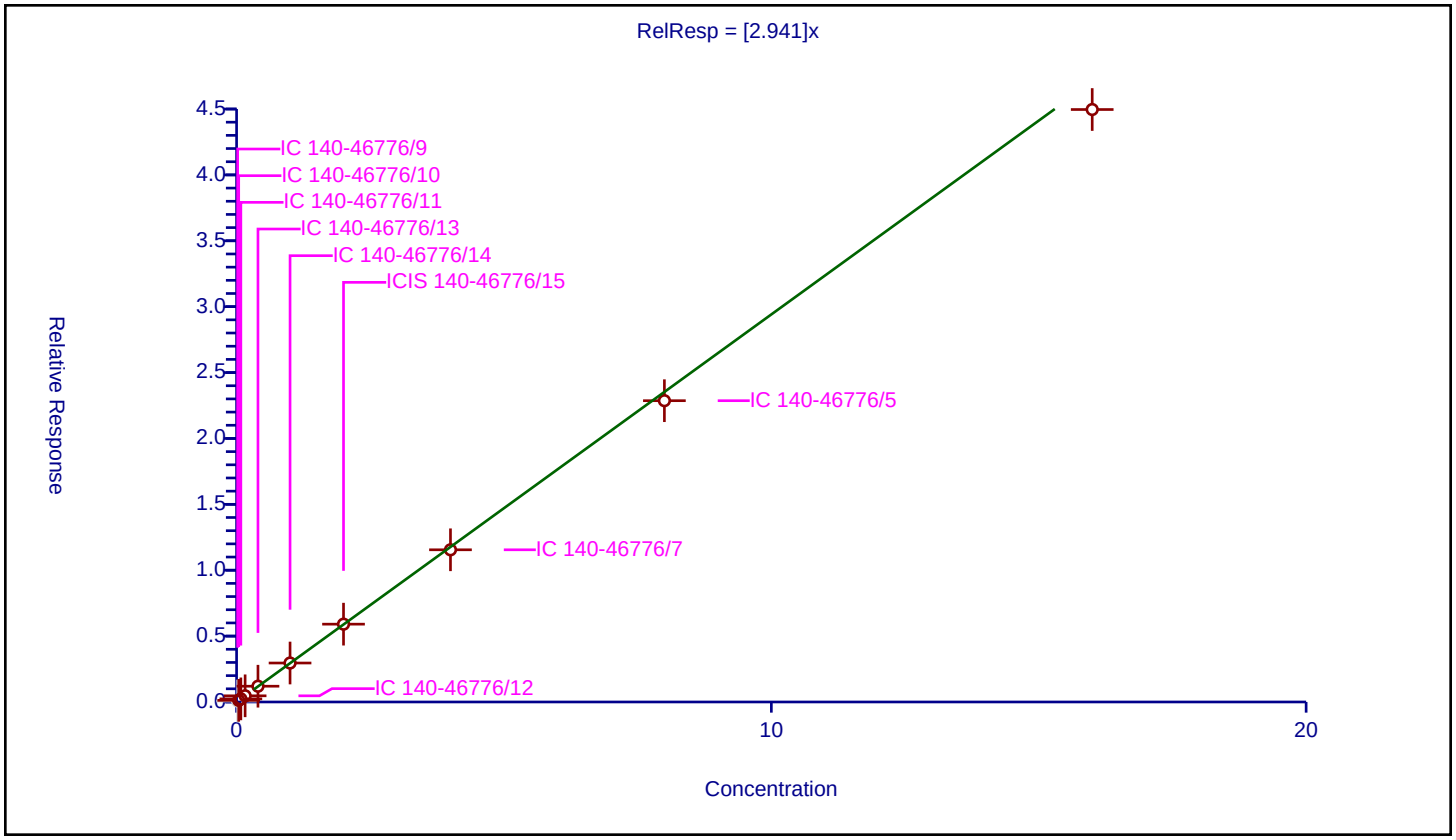
Curve Coefficients

Intercept:	0
Slope:	2.941

Error Coefficients

Standard Error:	1730000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.071685	4.8	428810.0	3.584245	N
2	IC 140-46776/10	0.04	0.125291	4.8	433296.0	3.13227	Y
3	IC 140-46776/11	0.08	0.236645	4.8	424899.0	2.958068	Y
4	IC 140-46776/12	0.16	0.46756	4.8	429583.0	2.922253	Y
5	IC 140-46776/13	0.4	1.196816	4.8	417949.0	2.99204	Y
6	IC 140-46776/14	1.0	2.957024	4.8	428474.0	2.957024	Y
7	ICIS 140-46776/15	2.0	5.906915	4.8	440849.0	2.953458	Y
8	IC 140-46776/7	4.0	11.549243	4.8	454121.0	2.887311	Y
9	IC 140-46776/5	8.0	22.863967	4.8	458150.0	2.857996	Y
10	IC 140-46776/3	16.0	44.962241	4.8	446279.0	2.81014	Y



Calibration / Methylene Chloride

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

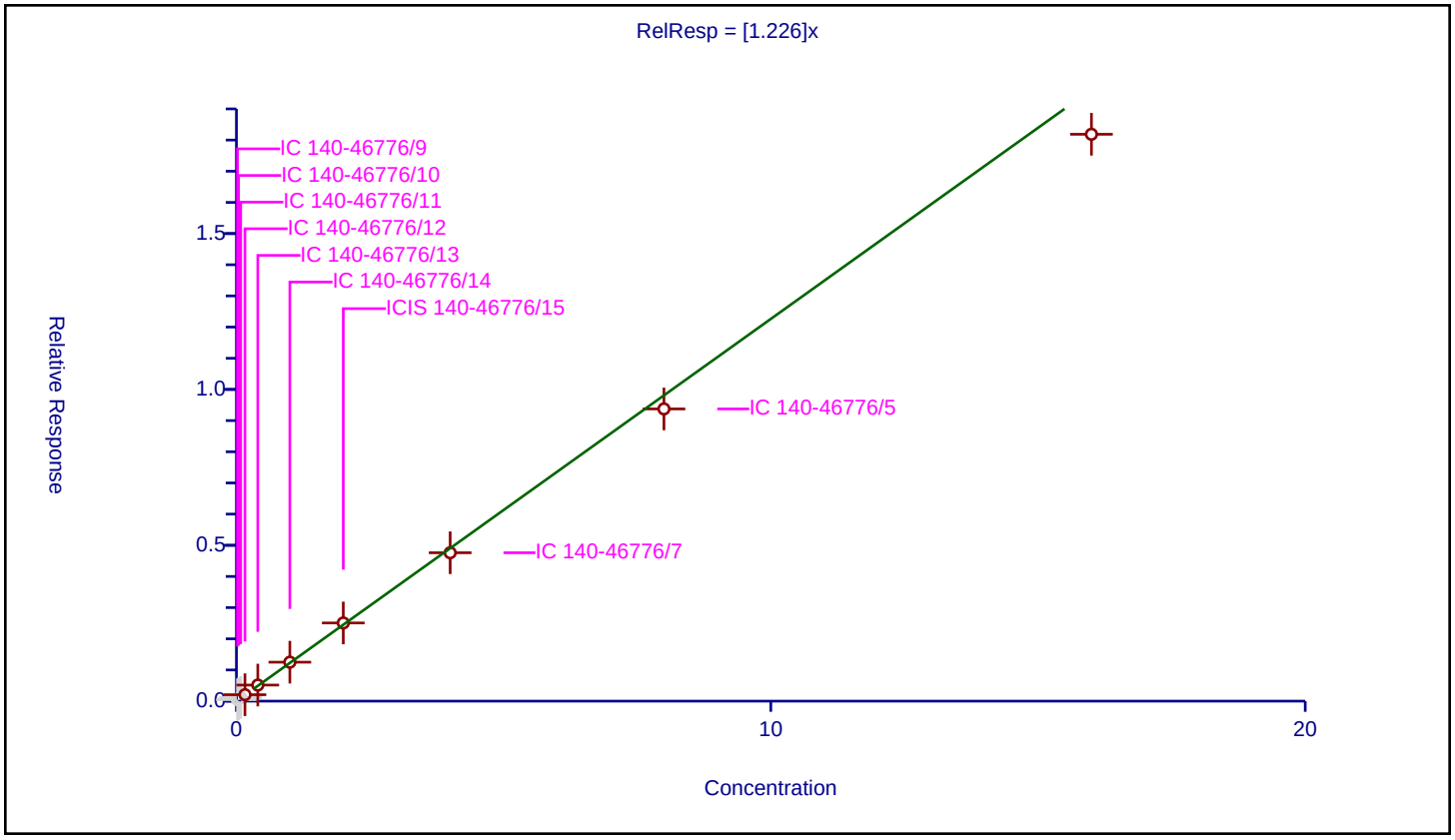
Curve Coefficients

Intercept:	0
Slope:	1.226

Error Coefficients

Standard Error:	809000
Relative Standard Error:	4.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.048682	4.8	428810.0	2.434085	N
2	IC 140-46776/10	0.04	0.069425	4.8	433296.0	1.735626	N
3	IC 140-46776/11	0.08	0.116312	4.8	424899.0	1.453898	N
4	IC 140-46776/12	0.16	0.206712	4.8	429583.0	1.291951	Y
5	IC 140-46776/13	0.4	0.515466	4.8	417949.0	1.288664	Y
6	IC 140-46776/14	1.0	1.24979	4.8	428474.0	1.24979	Y
7	ICIS 140-46776/15	2.0	2.508168	4.8	440849.0	1.254084	Y
8	IC 140-46776/7	4.0	4.760437	4.8	454121.0	1.190109	Y
9	IC 140-46776/5	8.0	9.374903	4.8	458150.0	1.171863	Y
10	IC 140-46776/3	16.0	18.185456	4.8	446279.0	1.136591	Y



Calibration / 3-Chloro-1-propene

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

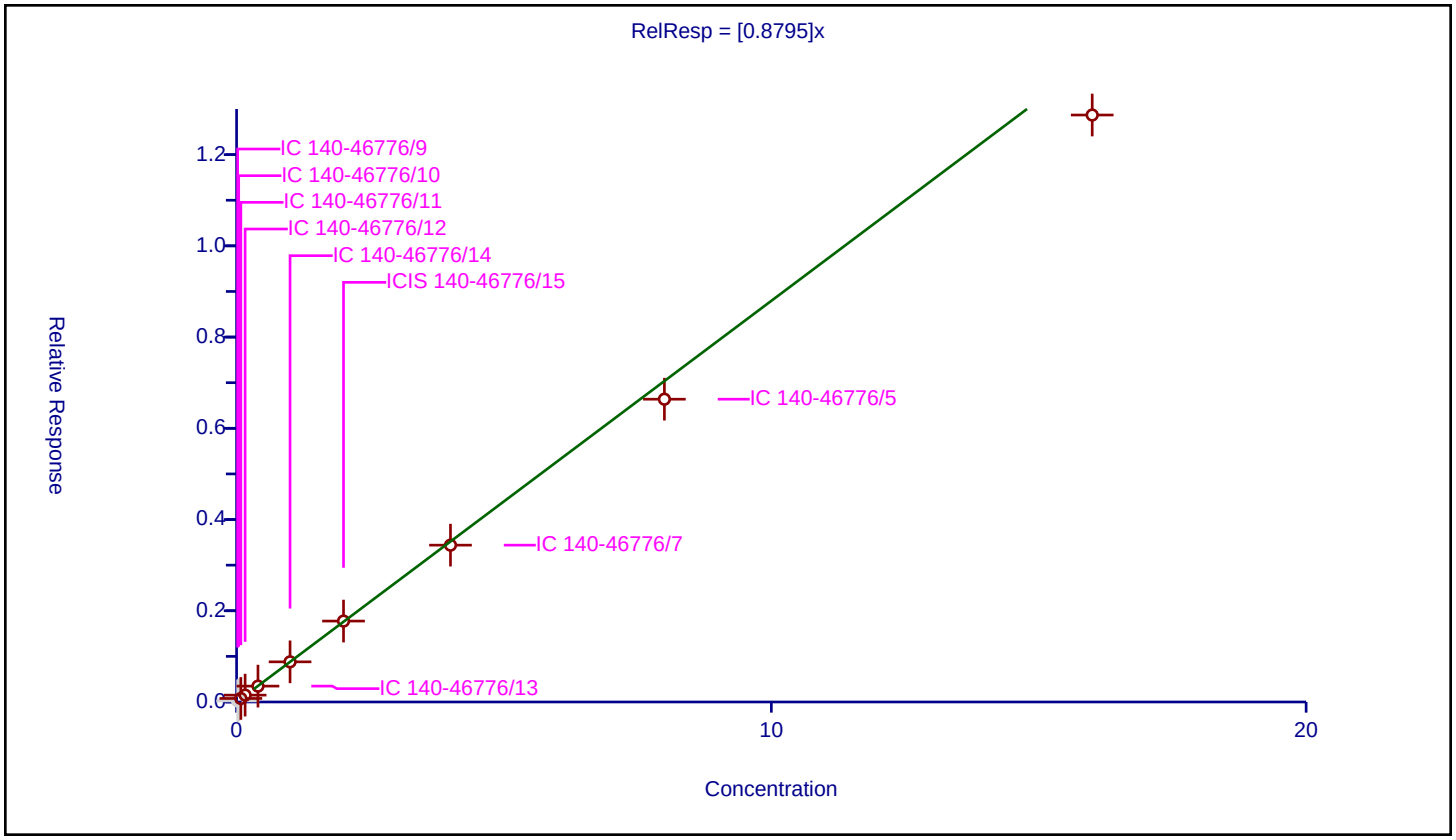
Curve Coefficients

Intercept:	0
Slope:	0.8795

Error Coefficients

Standard Error:	531000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.023798	4.8	428810.0	1.189898	N
2	IC 140-46776/10	0.04	0.042882	4.8	433296.0	1.072062	N
3	IC 140-46776/11	0.08	0.07727	4.8	424899.0	0.965877	Y
4	IC 140-46776/12	0.16	0.150285	4.8	429583.0	0.939283	Y
5	IC 140-46776/13	0.4	0.347847	4.8	417949.0	0.869618	Y
6	IC 140-46776/14	1.0	0.88033	4.8	428474.0	0.88033	Y
7	ICIS 140-46776/15	2.0	1.774213	4.8	440849.0	0.887106	Y
8	IC 140-46776/7	4.0	3.43841	4.8	454121.0	0.859603	Y
9	IC 140-46776/5	8.0	6.638207	4.8	458150.0	0.829776	Y
10	IC 140-46776/3	16.0	12.868413	4.8	446279.0	0.804276	Y



Calibration / Carbon disulfide

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

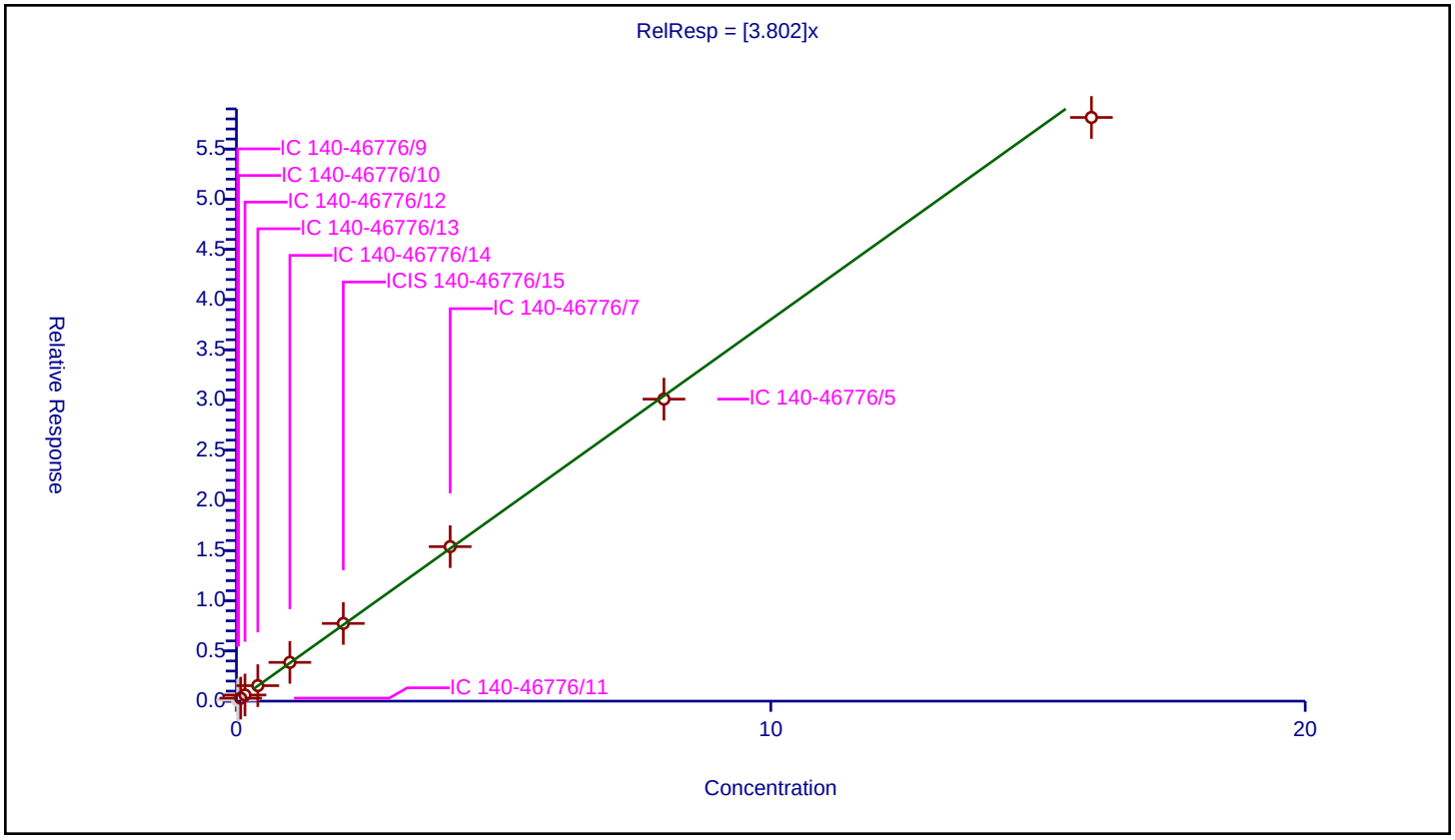
Curve Coefficients

Intercept:	0
Slope:	3.802

Error Coefficients

Standard Error:	2400000
Relative Standard Error:	2.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.096714	4.8	428810.0	4.835708	N
2	IC 140-46776/10	0.04	0.162756	4.8	433296.0	4.068904	N
3	IC 140-46776/11	0.08	0.301116	4.8	424899.0	3.763953	Y
4	IC 140-46776/12	0.16	0.610795	4.8	429583.0	3.817469	Y
5	IC 140-46776/13	0.4	1.543342	4.8	417949.0	3.858356	Y
6	IC 140-46776/14	1.0	3.861406	4.8	428474.0	3.861406	Y
7	ICIS 140-46776/15	2.0	7.74061	4.8	440849.0	3.870305	Y
8	IC 140-46776/7	4.0	15.391496	4.8	454121.0	3.847874	Y
9	IC 140-46776/5	8.0	30.087561	4.8	458150.0	3.760945	Y
10	IC 140-46776/3	16.0	58.147514	4.8	446279.0	3.63422	Y



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

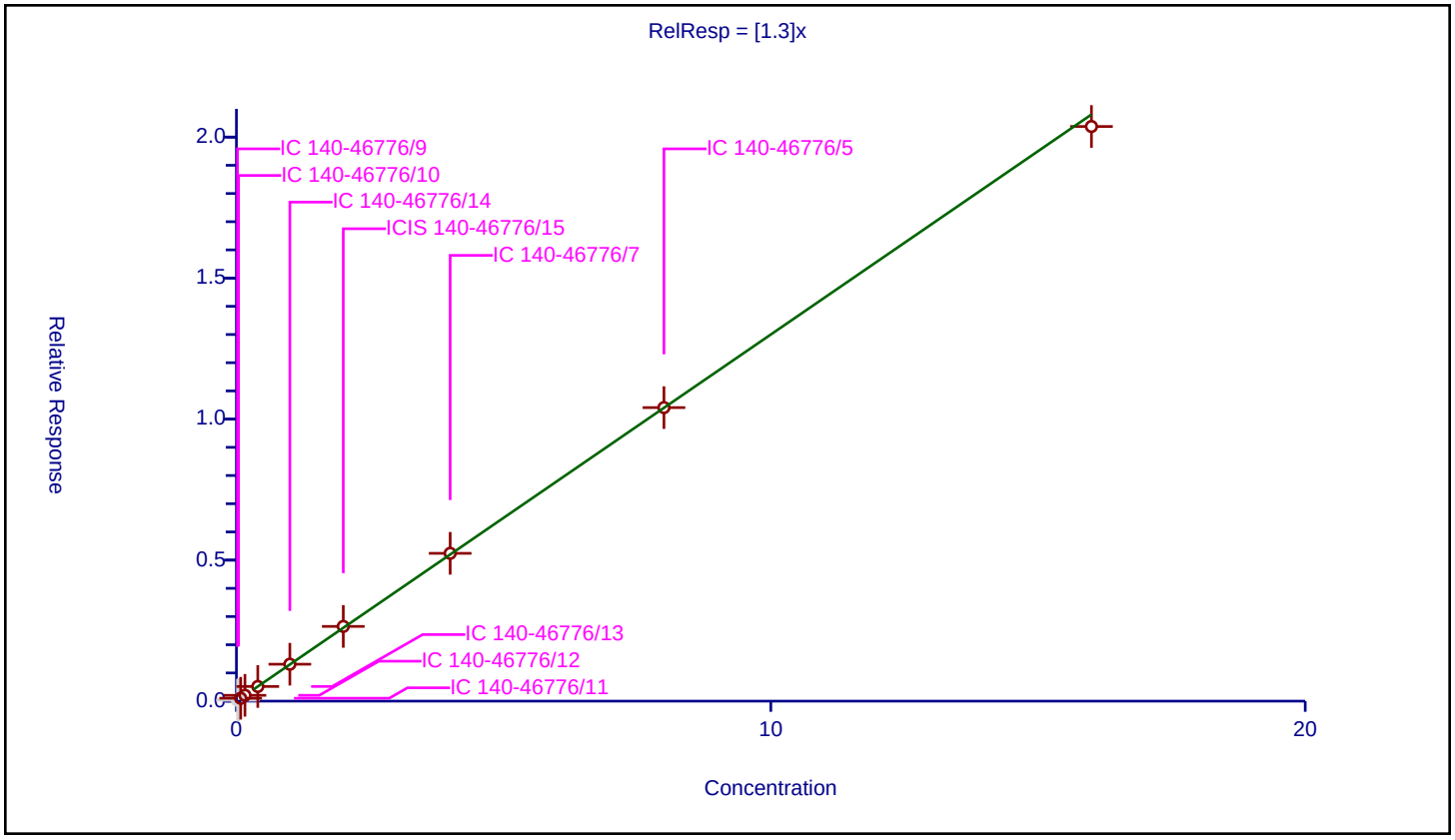
Curve Coefficients

Intercept:	0
Slope:	1.3

Error Coefficients

Standard Error:	836000
Relative Standard Error:	1.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.03188	4.8	428810.0	1.593993	N
2	IC 140-46776/10	0.04	0.053229	4.8	433296.0	1.33073	N
3	IC 140-46776/11	0.08	0.103501	4.8	424899.0	1.293766	Y
4	IC 140-46776/12	0.16	0.206019	4.8	429583.0	1.287621	Y
5	IC 140-46776/13	0.4	0.519635	4.8	417949.0	1.299087	Y
6	IC 140-46776/14	1.0	1.309723	4.8	428474.0	1.309723	Y
7	ICIS 140-46776/15	2.0	2.649756	4.8	440849.0	1.324878	Y
8	IC 140-46776/7	4.0	5.241176	4.8	454121.0	1.310294	Y
9	IC 140-46776/5	8.0	10.408347	4.8	458150.0	1.301043	Y
10	IC 140-46776/3	16.0	20.375899	4.8	446279.0	1.273494	Y



Calibration / 2-Methylpentane

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

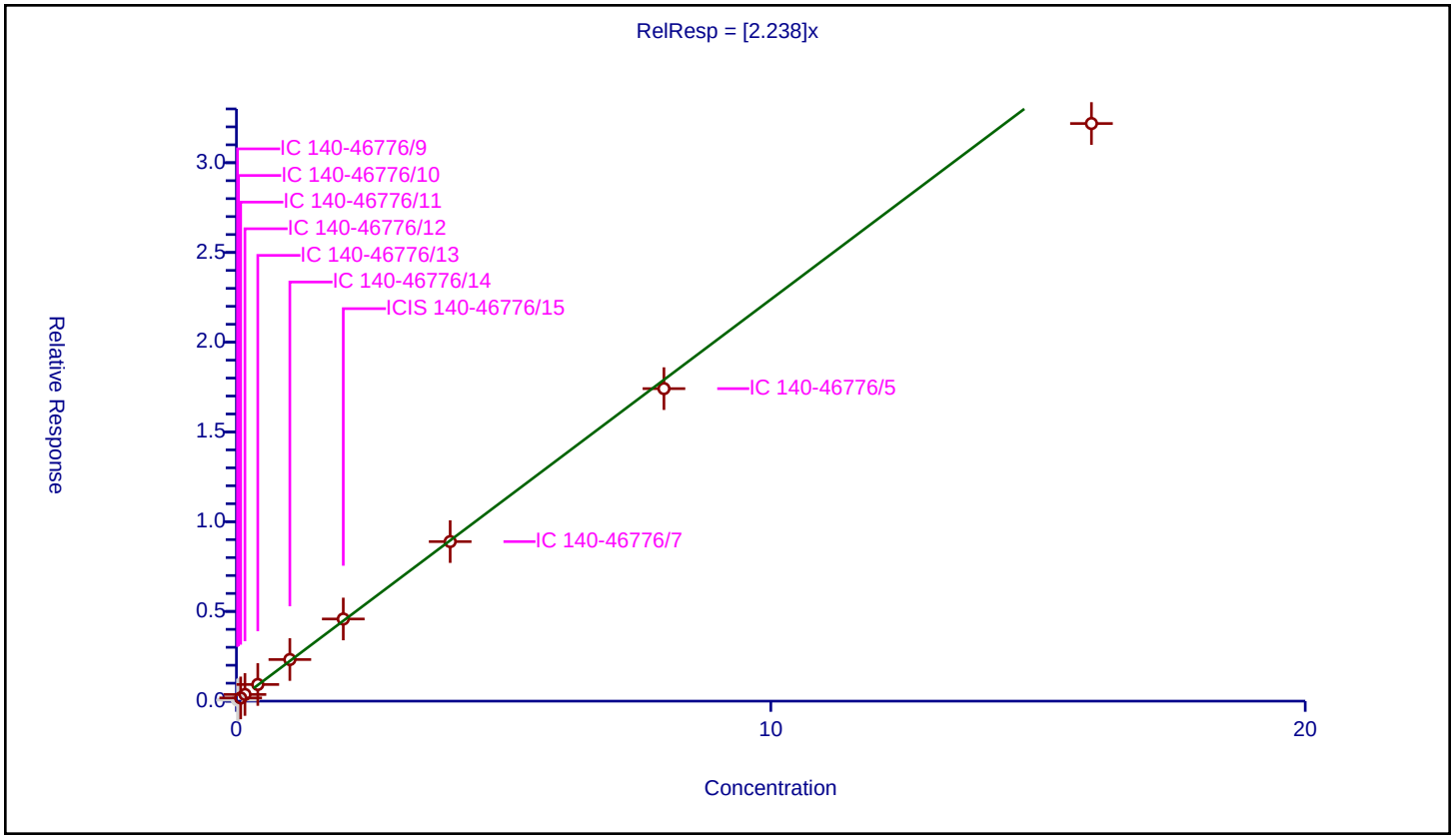
Curve Coefficients

Intercept:	0
Slope:	2.238

Error Coefficients

Standard Error:	1340000
Relative Standard Error:	4.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.058152	4.8	428810.0	2.907581	N
2	IC 140-46776/10	0.04	0.097796	4.8	433296.0	2.444888	N
3	IC 140-46776/11	0.08	0.179517	4.8	424899.0	2.243969	Y
4	IC 140-46776/12	0.16	0.371769	4.8	429583.0	2.323556	Y
5	IC 140-46776/13	0.4	0.928109	4.8	417949.0	2.320274	Y
6	IC 140-46776/14	1.0	2.318501	4.8	428474.0	2.318501	Y
7	ICIS 140-46776/15	2.0	4.577796	4.8	440849.0	2.288898	Y
8	IC 140-46776/7	4.0	8.889694	4.8	454121.0	2.222424	Y
9	IC 140-46776/5	8.0	17.413424	4.8	458150.0	2.176678	Y
10	IC 140-46776/3	16.0	32.184853	4.8	446279.0	2.011553	Y



Calibration / Methyl tert-butyl ether

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

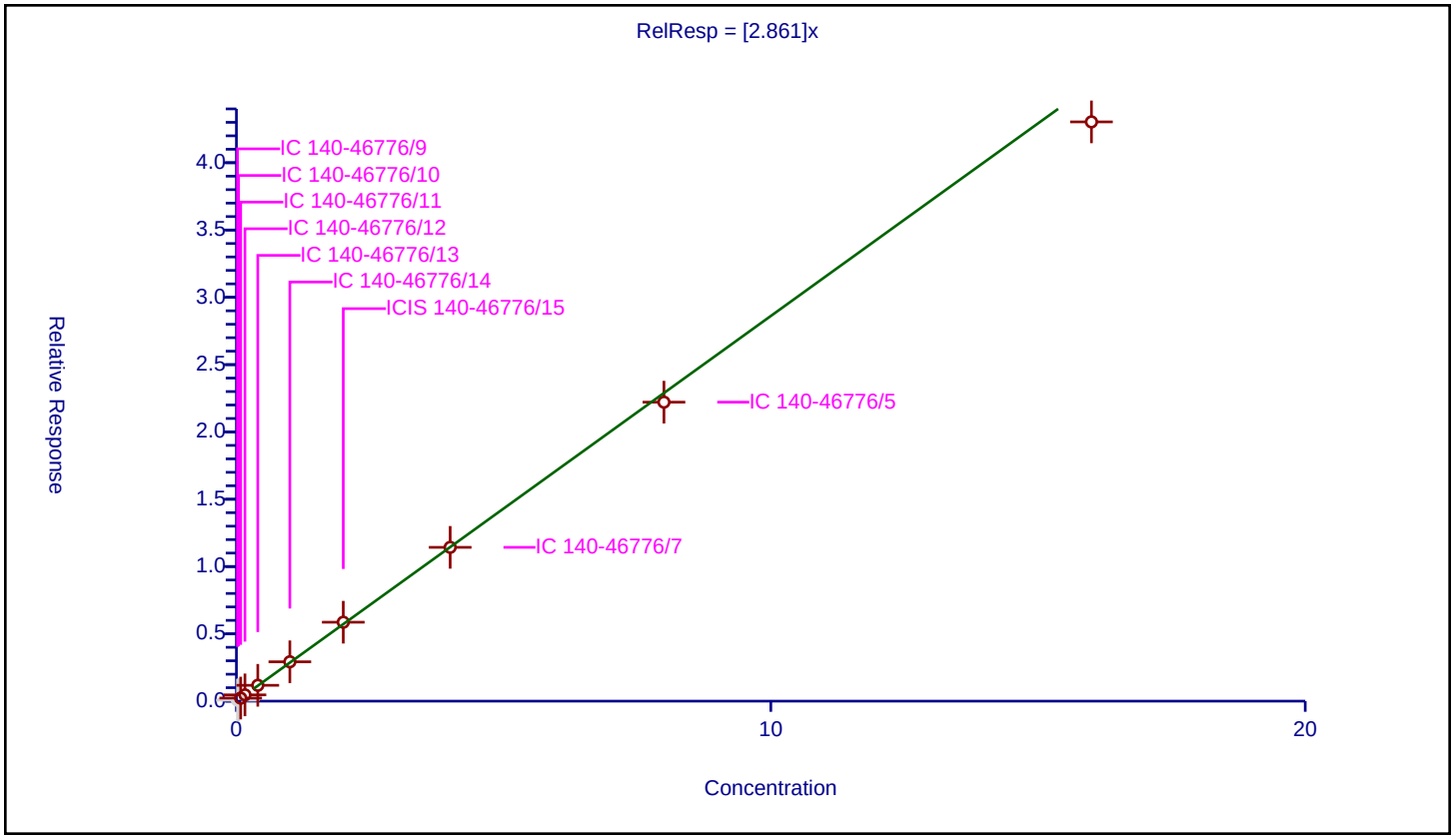
Curve Coefficients

Intercept:	0
Slope:	2.861

Error Coefficients

Standard Error:	1770000
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 140-46776/9	0.02	0.069301	4.8	428810.0	3.465031	N
2	IC 140-46776/10	0.04	0.11963	4.8	433296.0	2.99075	N
3	IC 140-46776/11	0.08	0.22893	4.8	424899.0	2.861621	Y
4	IC 140-46776/12	0.16	0.465426	4.8	429583.0	2.908914	Y
5	IC 140-46776/13	0.4	1.177016	4.8	417949.0	2.942541	Y
6	IC 140-46776/14	1.0	2.92354	4.8	428474.0	2.92354	Y
7	ICIS 140-46776/15	2.0	5.863167	4.8	440849.0	2.931583	Y
8	IC 140-46776/7	4.0	11.426833	4.8	454121.0	2.856708	Y
9	IC 140-46776/5	8.0	22.213046	4.8	458150.0	2.776631	Y
10	IC 140-46776/3	16.0	43.034869	4.8	446279.0	2.689679	Y



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

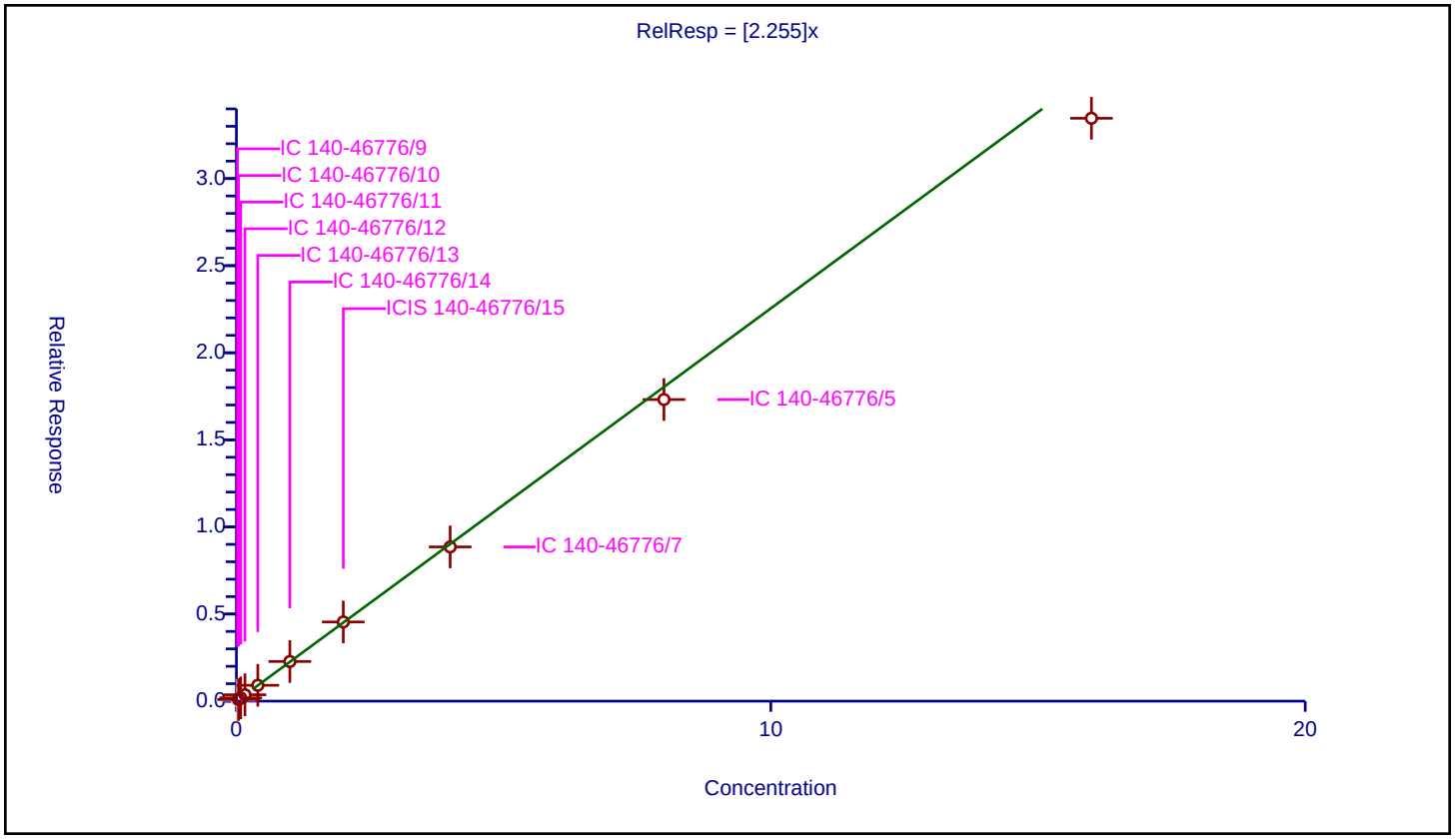
Curve Coefficients

Intercept:	0
Slope:	2.255

Error Coefficients

Standard Error:	1290000
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 140-46776/9	0.02	0.05795	4.8	428810.0	2.897507	N
2	IC 140-46776/10	0.04	0.095225	4.8	433296.0	2.380636	Y
3	IC 140-46776/11	0.08	0.18703	4.8	424899.0	2.337873	Y
4	IC 140-46776/12	0.16	0.365601	4.8	429583.0	2.285007	Y
5	IC 140-46776/13	0.4	0.908631	4.8	417949.0	2.271579	Y
6	IC 140-46776/14	1.0	2.275215	4.8	428474.0	2.275215	Y
7	ICIS 140-46776/15	2.0	4.545066	4.8	440849.0	2.272533	Y
8	IC 140-46776/7	4.0	8.853101	4.8	454121.0	2.213275	Y
9	IC 140-46776/5	8.0	17.313893	4.8	458150.0	2.164237	Y
10	IC 140-46776/3	16.0	33.461059	4.8	446279.0	2.091316	Y



Calibration / Vinyl acetate

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

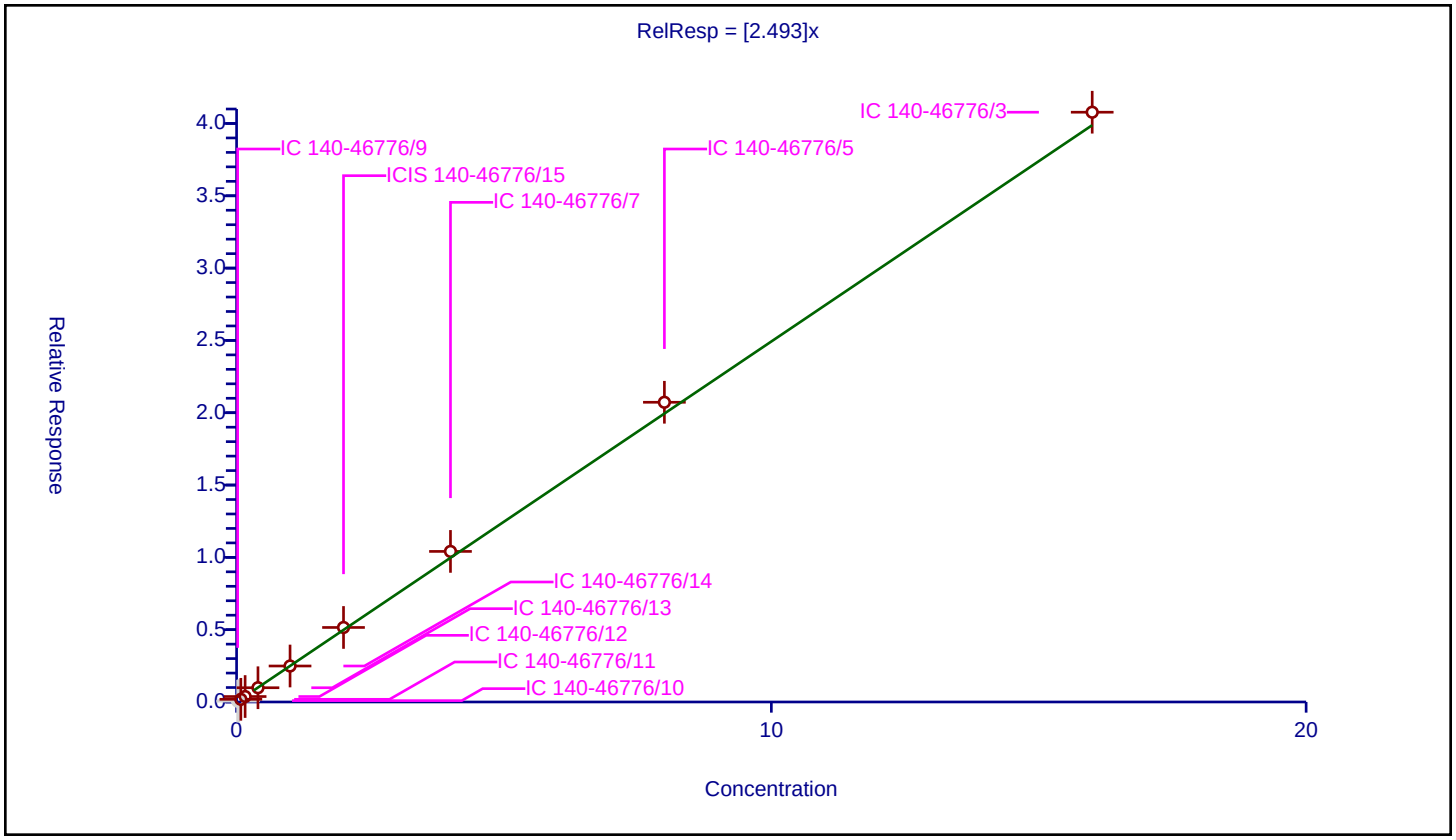
Curve Coefficients

Intercept:	0
Slope:	2.493

Error Coefficients

Standard Error:	1670000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.057144	4.8	428810.0	2.857209	N
2	IC 140-46776/10	0.04	0.093852	4.8	433296.0	2.346294	N
3	IC 140-46776/11	0.08	0.184725	4.8	424899.0	2.309066	Y
4	IC 140-46776/12	0.16	0.377903	4.8	429583.0	2.361895	Y
5	IC 140-46776/13	0.4	0.985946	4.8	417949.0	2.464865	Y
6	IC 140-46776/14	1.0	2.487481	4.8	428474.0	2.487481	Y
7	ICIS 140-46776/15	2.0	5.15175	4.8	440849.0	2.575875	Y
8	IC 140-46776/7	4.0	10.411597	4.8	454121.0	2.602899	Y
9	IC 140-46776/5	8.0	20.722925	4.8	458150.0	2.590366	Y
10	IC 140-46776/3	16.0	40.778075	4.8	446279.0	2.54863	Y



Calibration / 2-Butanone (MEK)

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

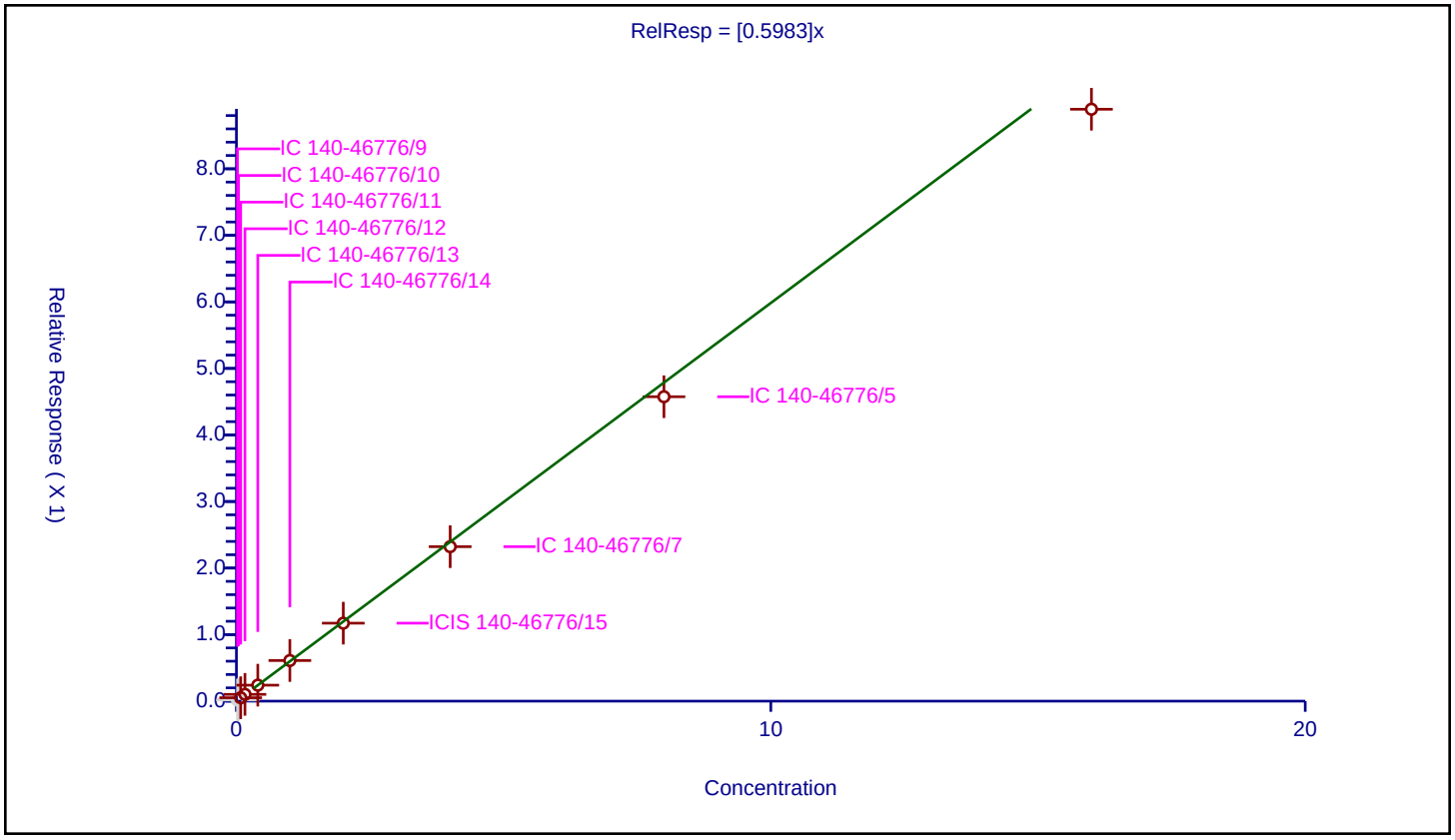
Curve Coefficients

Intercept:	0
Slope:	0.5983

Error Coefficients

Standard Error:	366000
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 140-46776/9	0.02	0.017194	4.8	428810.0	0.859681	N
2	IC 140-46776/10	0.04	0.027927	4.8	433296.0	0.698183	N
3	IC 140-46776/11	0.08	0.051626	4.8	424899.0	0.64533	Y
4	IC 140-46776/12	0.16	0.101915	4.8	429583.0	0.636967	Y
5	IC 140-46776/13	0.4	0.240006	4.8	417949.0	0.600016	Y
6	IC 140-46776/14	1.0	0.610315	4.8	428474.0	0.610315	Y
7	ICIS 140-46776/15	2.0	1.171732	4.8	440849.0	0.585866	Y
8	IC 140-46776/7	4.0	2.321101	4.8	454121.0	0.580275	Y
9	IC 140-46776/5	8.0	4.574621	4.8	458150.0	0.571828	Y
10	IC 140-46776/3	16.0	8.894852	4.8	446279.0	0.555928	Y



Calibration / Hexane

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

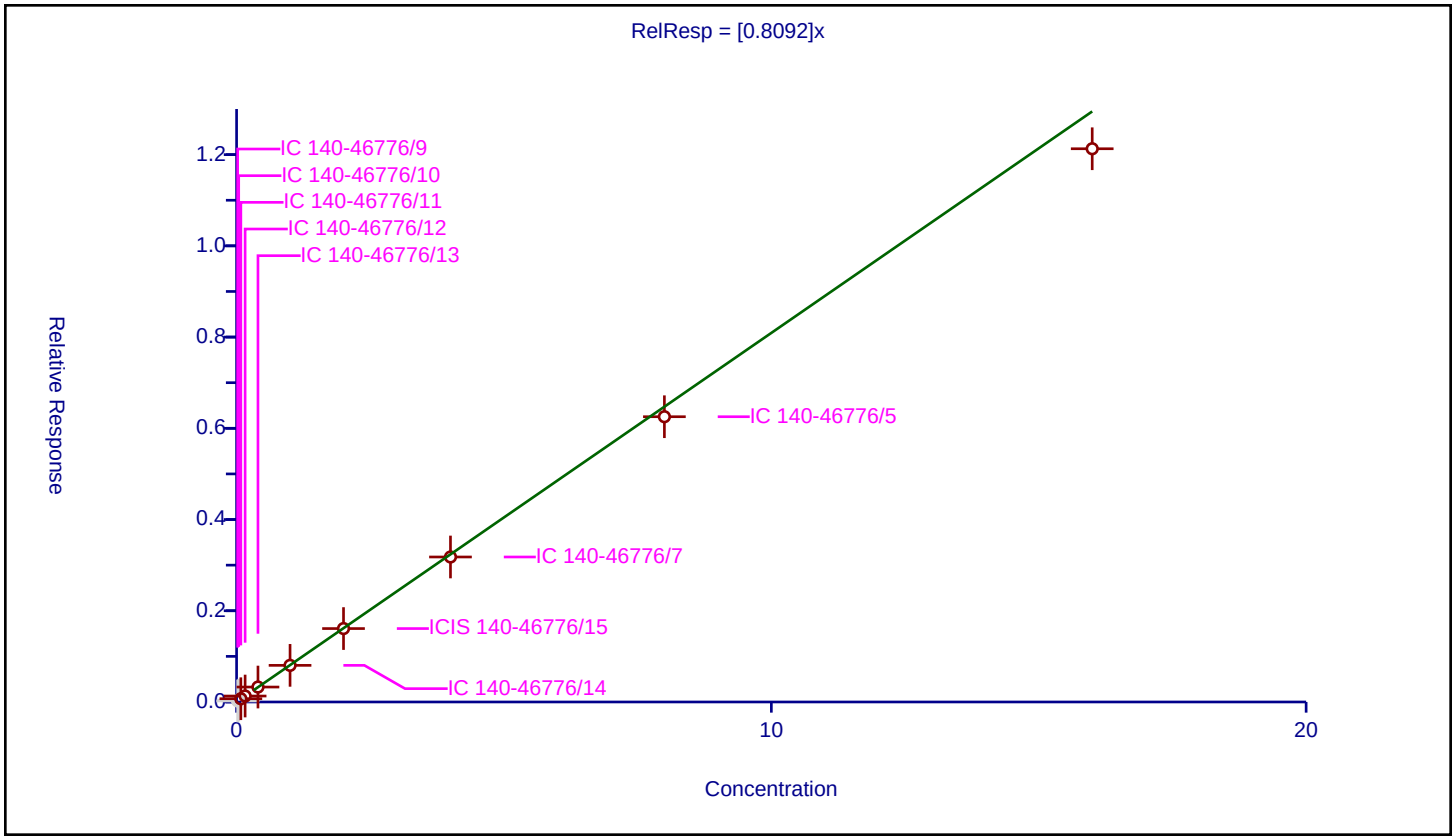
Curve Coefficients

Intercept:	0
Slope:	0.8092

Error Coefficients

Standard Error:	499000
Relative Standard Error:	4.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.022555	4.8	428810.0	1.127772	N
2	IC 140-46776/10	0.04	0.040279	4.8	433296.0	1.006979	N
3	IC 140-46776/11	0.08	0.071565	4.8	424899.0	0.894566	Y
4	IC 140-46776/12	0.16	0.130787	4.8	429583.0	0.817421	Y
5	IC 140-46776/13	0.4	0.327496	4.8	417949.0	0.818741	Y
6	IC 140-46776/14	1.0	0.803043	4.8	428474.0	0.803043	Y
7	ICIS 140-46776/15	2.0	1.609988	4.8	440849.0	0.804994	Y
8	IC 140-46776/7	4.0	3.178783	4.8	454121.0	0.794696	Y
9	IC 140-46776/5	8.0	6.254081	4.8	458150.0	0.78176	Y
10	IC 140-46776/3	16.0	12.128793	4.8	446279.0	0.75805	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

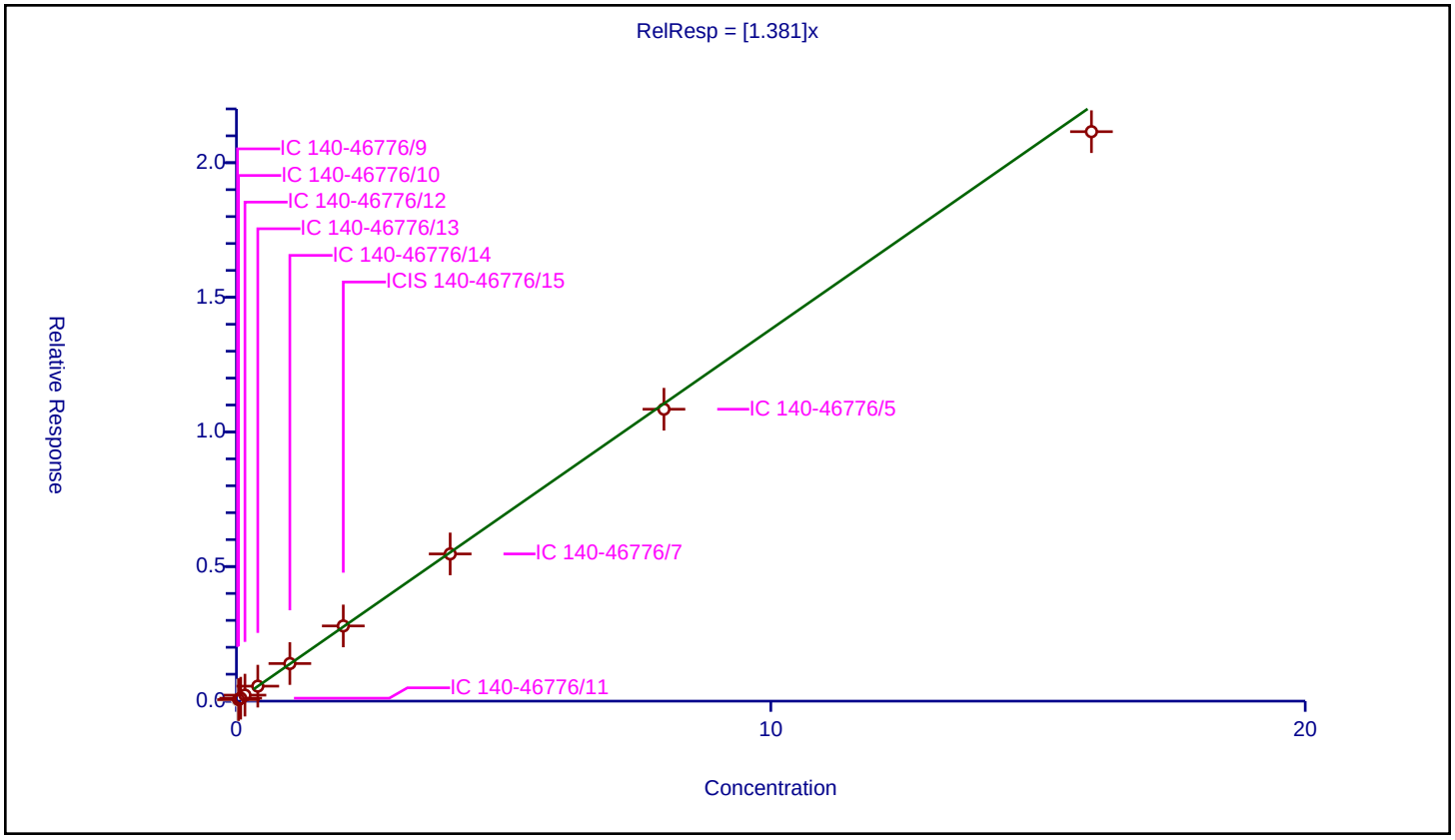
Curve Coefficients

Intercept:	0
Slope:	1.381

Error Coefficients

Standard Error:	813000
Relative Standard Error:	2.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.036693	4.8	428810.0	1.834659	N
2	IC 140-46776/10	0.04	0.05786	4.8	433296.0	1.446494	Y
3	IC 140-46776/11	0.08	0.108992	4.8	424899.0	1.362394	Y
4	IC 140-46776/12	0.16	0.222947	4.8	429583.0	1.393421	Y
5	IC 140-46776/13	0.4	0.556087	4.8	417949.0	1.390217	Y
6	IC 140-46776/14	1.0	1.39661	4.8	428474.0	1.39661	Y
7	ICIS 140-46776/15	2.0	2.793588	4.8	440849.0	1.396794	Y
8	IC 140-46776/7	4.0	5.468238	4.8	454121.0	1.367059	Y
9	IC 140-46776/5	8.0	10.84405	4.8	458150.0	1.355506	Y
10	IC 140-46776/3	16.0	21.154487	4.8	446279.0	1.322155	Y



Calibration / Ethyl acetate

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

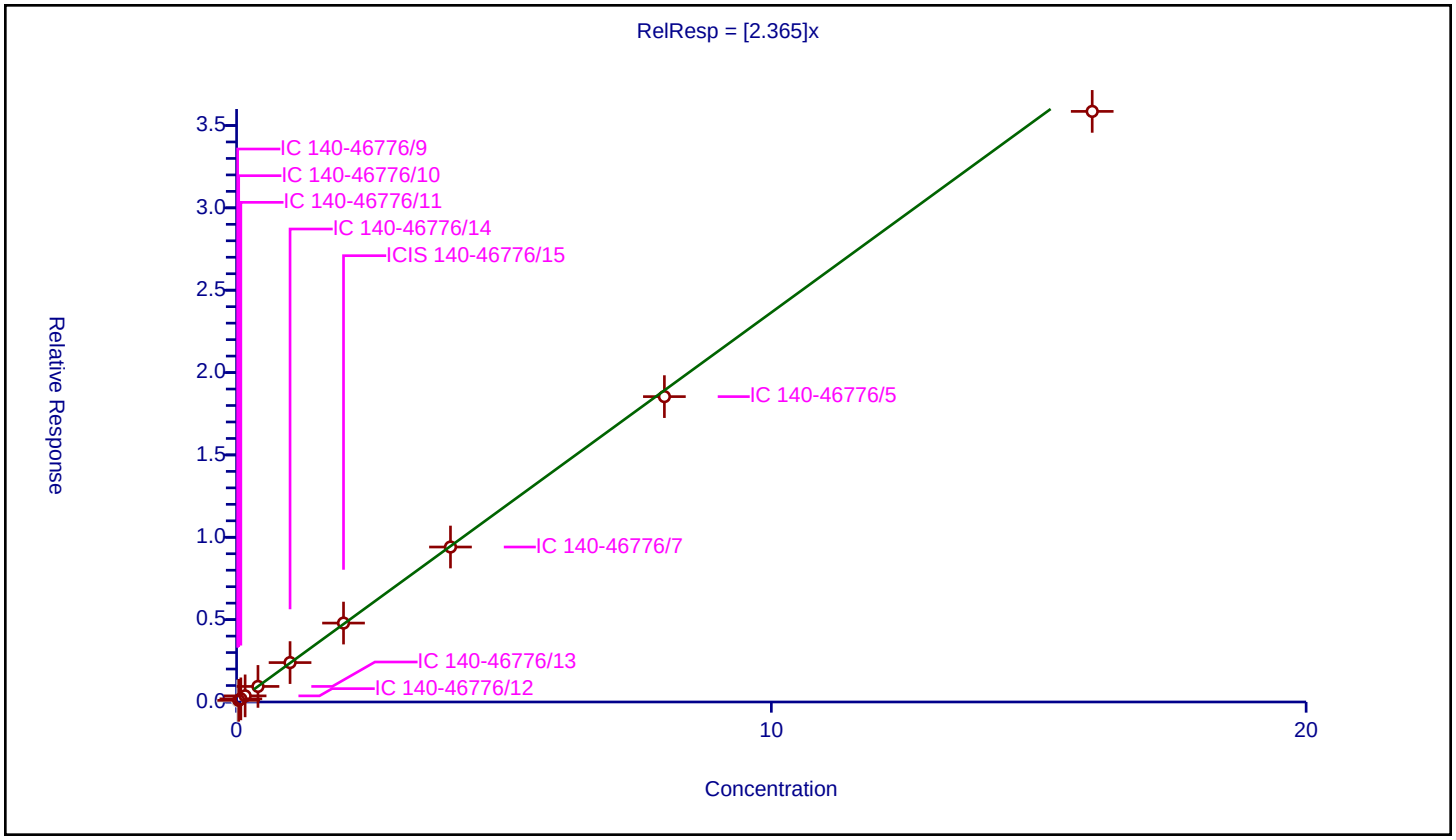
Curve Coefficients

Intercept:	0
Slope:	2.365

Error Coefficients

Standard Error:	1380000
Relative Standard Error:	3.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.058163	4.8	428810.0	2.908141	N
2	IC 140-46776/10	0.04	0.100775	4.8	433296.0	2.519386	Y
3	IC 140-46776/11	0.08	0.190826	4.8	424899.0	2.38532	Y
4	IC 140-46776/12	0.16	0.37092	4.8	429583.0	2.318248	Y
5	IC 140-46776/13	0.4	0.945359	4.8	417949.0	2.363398	Y
6	IC 140-46776/14	1.0	2.391452	4.8	428474.0	2.391452	Y
7	ICIS 140-46776/15	2.0	4.791845	4.8	440849.0	2.395922	Y
8	IC 140-46776/7	4.0	9.409351	4.8	454121.0	2.352338	Y
9	IC 140-46776/5	8.0	18.53876	4.8	458150.0	2.317345	Y
10	IC 140-46776/3	16.0	35.855816	4.8	446279.0	2.240988	Y



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

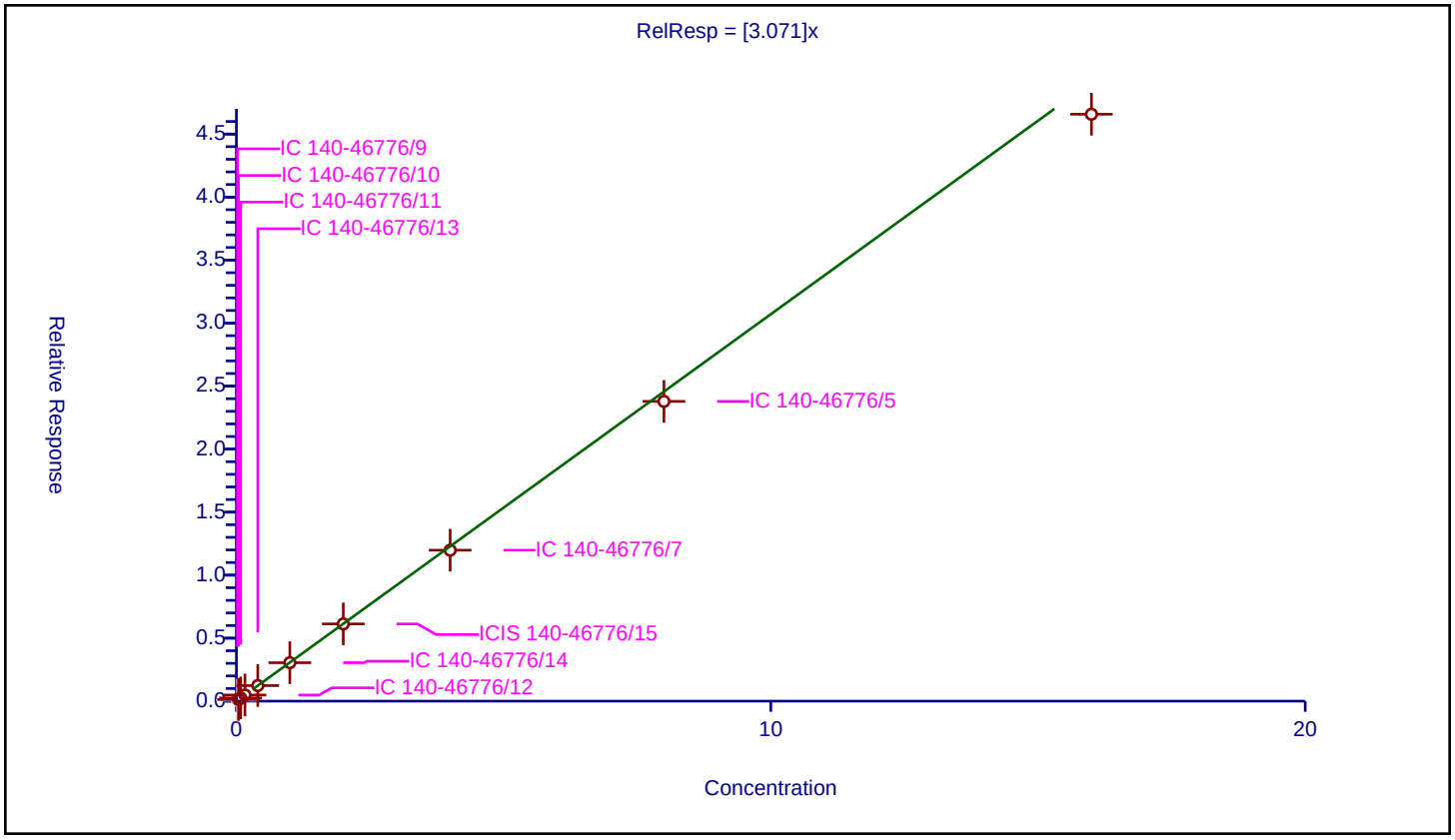
Curve Coefficients

Intercept:	0
Slope:	3.071

Error Coefficients

Standard Error:	1790000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.080752	4.8	428810.0	4.037592	N
2	IC 140-46776/10	0.04	0.134618	4.8	433296.0	3.365459	Y
3	IC 140-46776/11	0.08	0.252099	4.8	424899.0	3.151243	Y
4	IC 140-46776/12	0.16	0.487036	4.8	429583.0	3.043975	Y
5	IC 140-46776/13	0.4	1.232292	4.8	417949.0	3.08073	Y
6	IC 140-46776/14	1.0	3.050801	4.8	428474.0	3.050801	Y
7	ICIS 140-46776/15	2.0	6.127736	4.8	440849.0	3.063868	Y
8	IC 140-46776/7	4.0	11.978897	4.8	454121.0	2.994724	Y
9	IC 140-46776/5	8.0	23.787109	4.8	458150.0	2.973389	Y
10	IC 140-46776/3	16.0	46.574979	4.8	446279.0	2.910936	Y



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

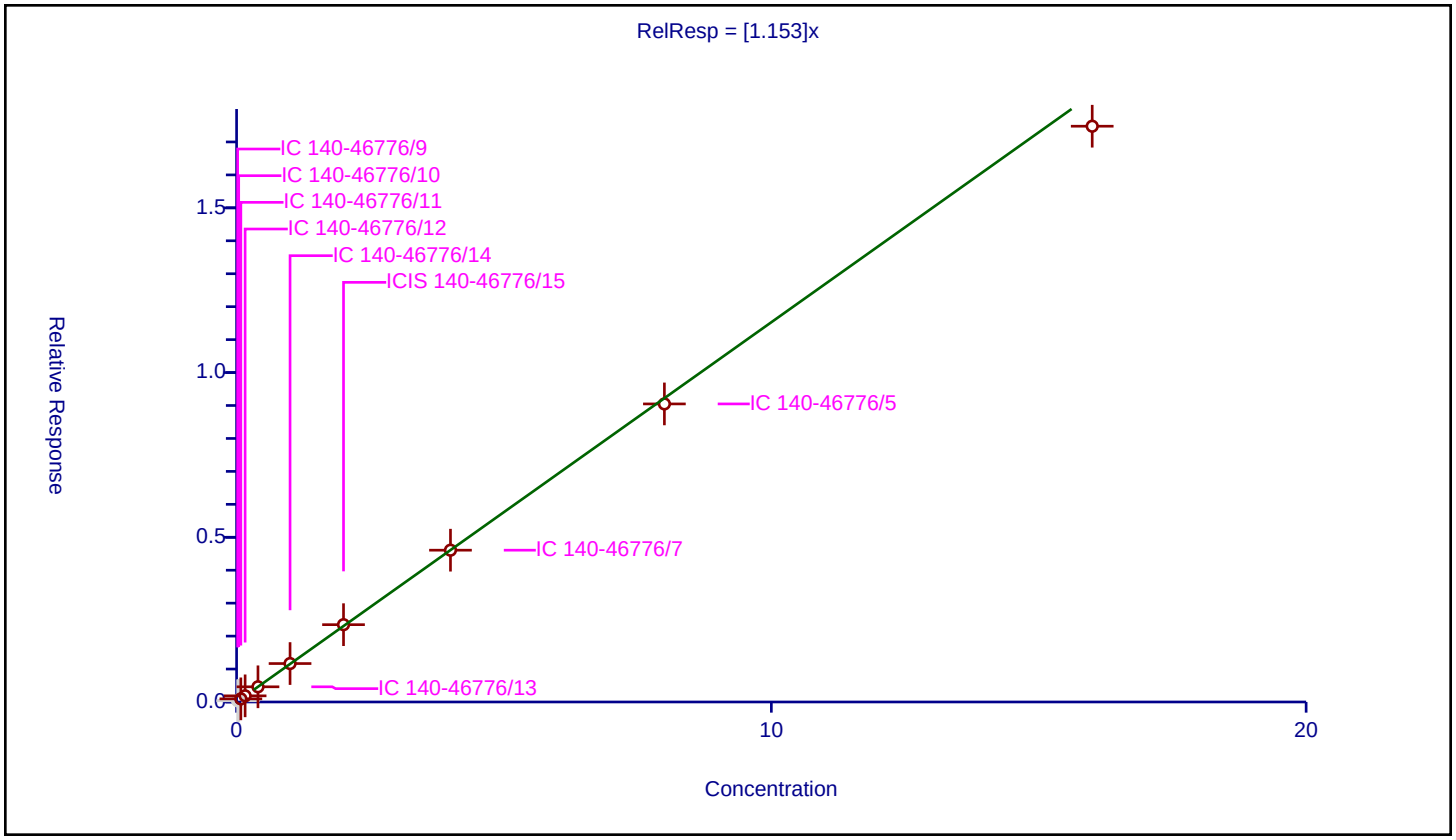
Curve Coefficients

Intercept:	0
Slope:	1.153

Error Coefficients

Standard Error:	721000
Relative Standard Error:	2.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.037152	4.8	428810.0	1.857606	N
2	IC 140-46776/10	0.04	0.049341	4.8	433296.0	1.233522	N
3	IC 140-46776/11	0.08	0.095176	4.8	424899.0	1.189694	Y
4	IC 140-46776/12	0.16	0.186309	4.8	429583.0	1.164432	Y
5	IC 140-46776/13	0.4	0.460948	4.8	417949.0	1.15237	Y
6	IC 140-46776/14	1.0	1.166768	4.8	428474.0	1.166768	Y
7	ICIS 140-46776/15	2.0	2.346763	4.8	440849.0	1.173381	Y
8	IC 140-46776/7	4.0	4.608009	4.8	454121.0	1.152002	Y
9	IC 140-46776/5	8.0	9.048149	4.8	458150.0	1.131019	Y
10	IC 140-46776/3	16.0	17.477985	4.8	446279.0	1.092374	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

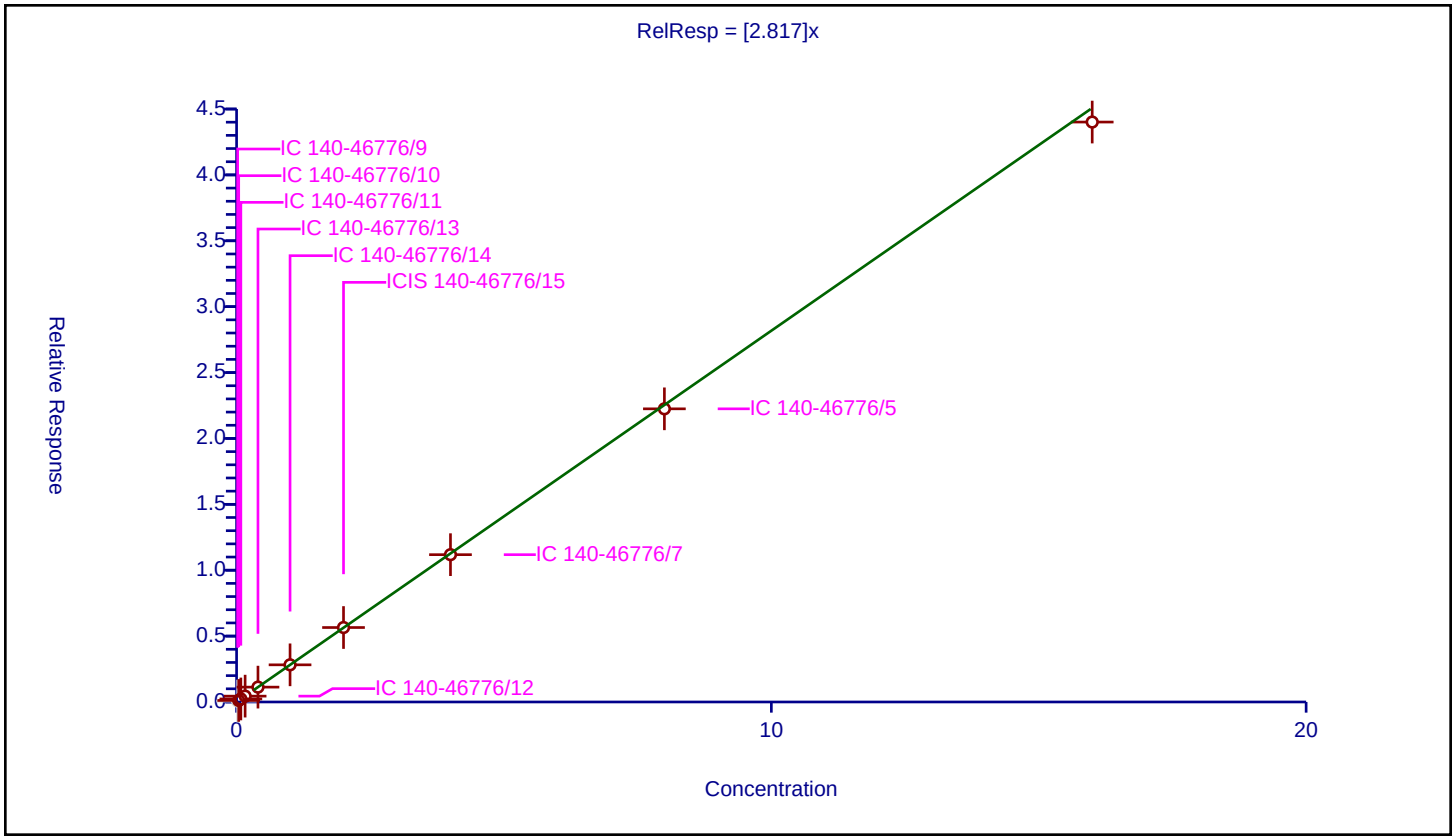
Curve Coefficients

Intercept:	0
Slope:	2.817

Error Coefficients

Standard Error:	1690000
Relative Standard Error:	1.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.068472	4.8	428810.0	3.423614	N
2	IC 140-46776/10	0.04	0.116639	4.8	433296.0	2.915974	Y
3	IC 140-46776/11	0.08	0.229687	4.8	424899.0	2.871082	Y
4	IC 140-46776/12	0.16	0.444487	4.8	429583.0	2.778043	Y
5	IC 140-46776/13	0.4	1.127896	4.8	417949.0	2.819741	Y
6	IC 140-46776/14	1.0	2.820644	4.8	428474.0	2.820644	Y
7	ICIS 140-46776/15	2.0	5.650316	4.8	440849.0	2.825158	Y
8	IC 140-46776/7	4.0	11.18047	4.8	454121.0	2.795118	Y
9	IC 140-46776/5	8.0	22.246562	4.8	458150.0	2.78082	Y
10	IC 140-46776/3	16.0	44.010671	4.8	446279.0	2.750667	Y



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

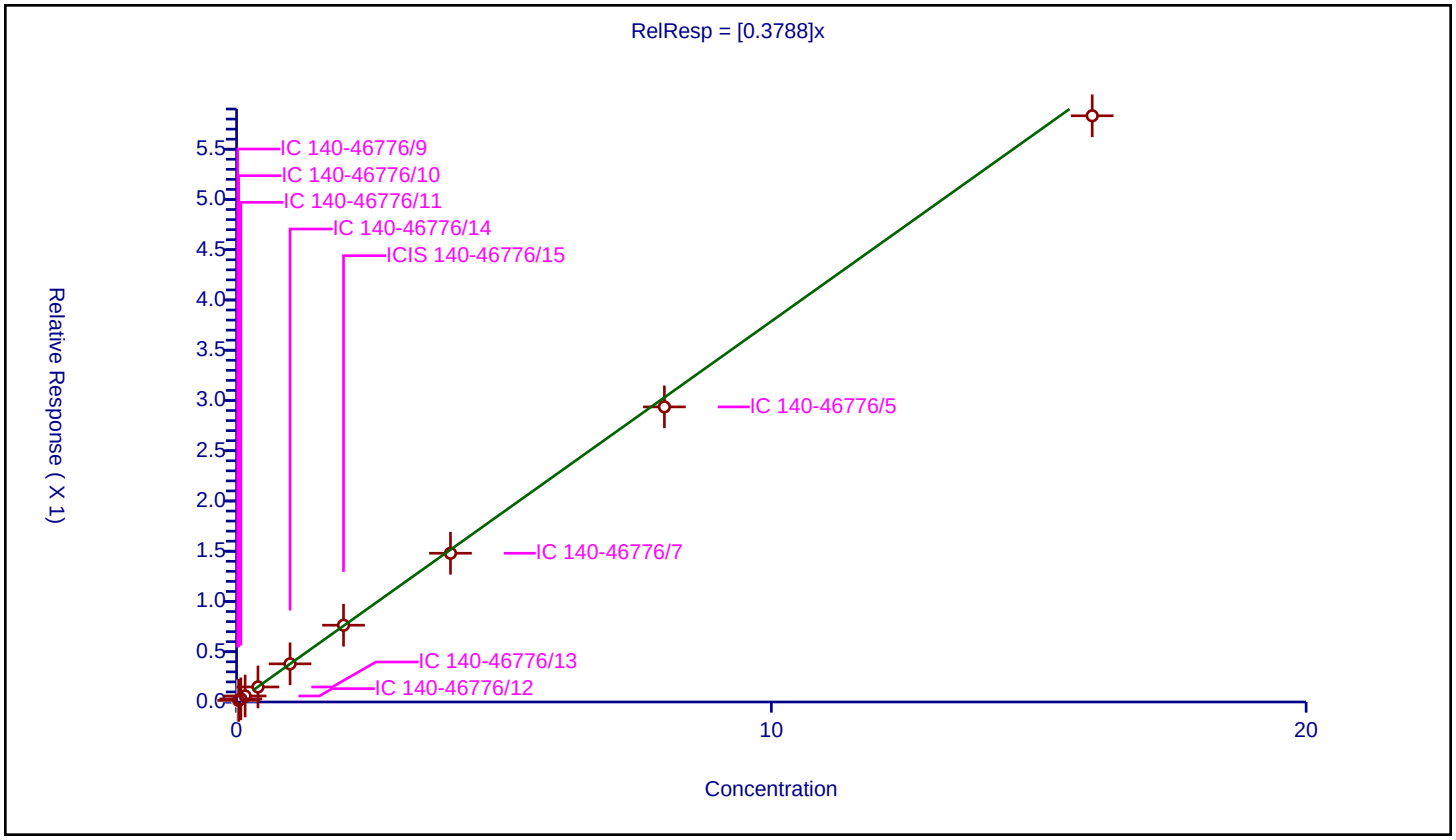
Curve Coefficients

Intercept:	0
Slope:	0.3788

Error Coefficients

Standard Error:	1010000
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 140-46776/9	0.02	0.010173	4.8	2028520.0	0.508627	N
2	IC 140-46776/10	0.04	0.01636	4.8	2045241.0	0.409008	Y
3	IC 140-46776/11	0.08	0.031099	4.8	1997257.0	0.388733	Y
4	IC 140-46776/12	0.16	0.059898	4.8	2021205.0	0.374361	Y
5	IC 140-46776/13	0.4	0.149456	4.8	1967324.0	0.373641	Y
6	IC 140-46776/14	1.0	0.37968	4.8	2001835.0	0.37968	Y
7	ICIS 140-46776/15	2.0	0.763929	4.8	2044363.0	0.381964	Y
8	IC 140-46776/7	4.0	1.479984	4.8	2118872.0	0.369996	Y
9	IC 140-46776/5	8.0	2.936398	4.8	2124392.0	0.36705	Y
10	IC 140-46776/3	16.0	5.832638	4.8	2011533.0	0.36454	Y



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

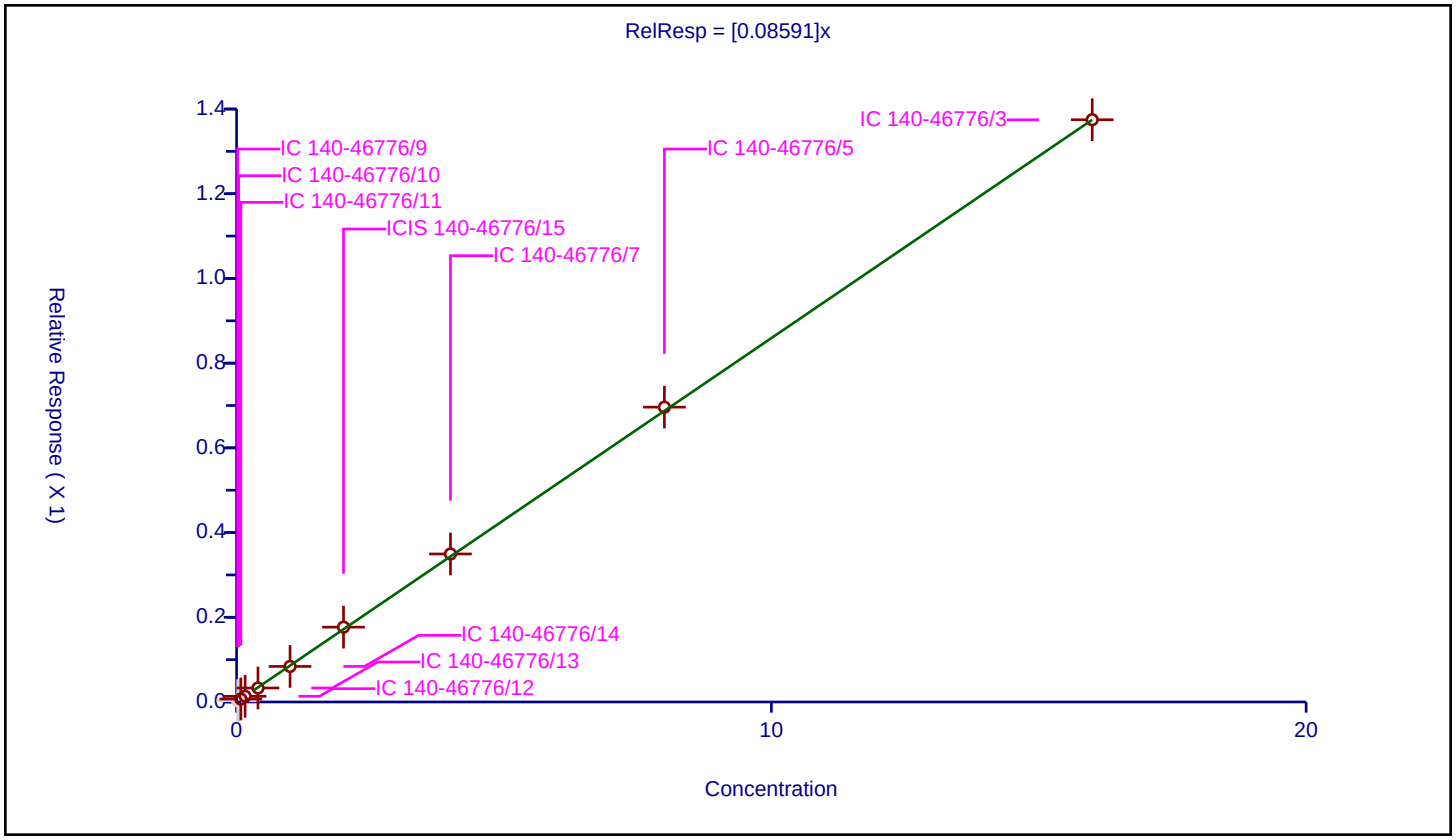
Curve Coefficients

Intercept:	0
Slope:	0.08591

Error Coefficients

Standard Error:	256000
Relative Standard Error:	2.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.002996	4.8	2028520.0	0.149784	N
2	IC 140-46776/10	0.04	0.004253	4.8	2045241.0	0.106315	N
3	IC 140-46776/11	0.08	0.007042	4.8	1997257.0	0.088021	Y
4	IC 140-46776/12	0.16	0.013453	4.8	2021205.0	0.084084	Y
5	IC 140-46776/13	0.4	0.033026	4.8	1967324.0	0.082565	Y
6	IC 140-46776/14	1.0	0.083971	4.8	2001835.0	0.083971	Y
7	ICIS 140-46776/15	2.0	0.176681	4.8	2044363.0	0.08834	Y
8	IC 140-46776/7	4.0	0.34947	4.8	2118872.0	0.087367	Y
9	IC 140-46776/5	8.0	0.696107	4.8	2124392.0	0.087013	Y
10	IC 140-46776/3	16.0	1.374667	4.8	2011533.0	0.085917	Y



Calibration / Benzene

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

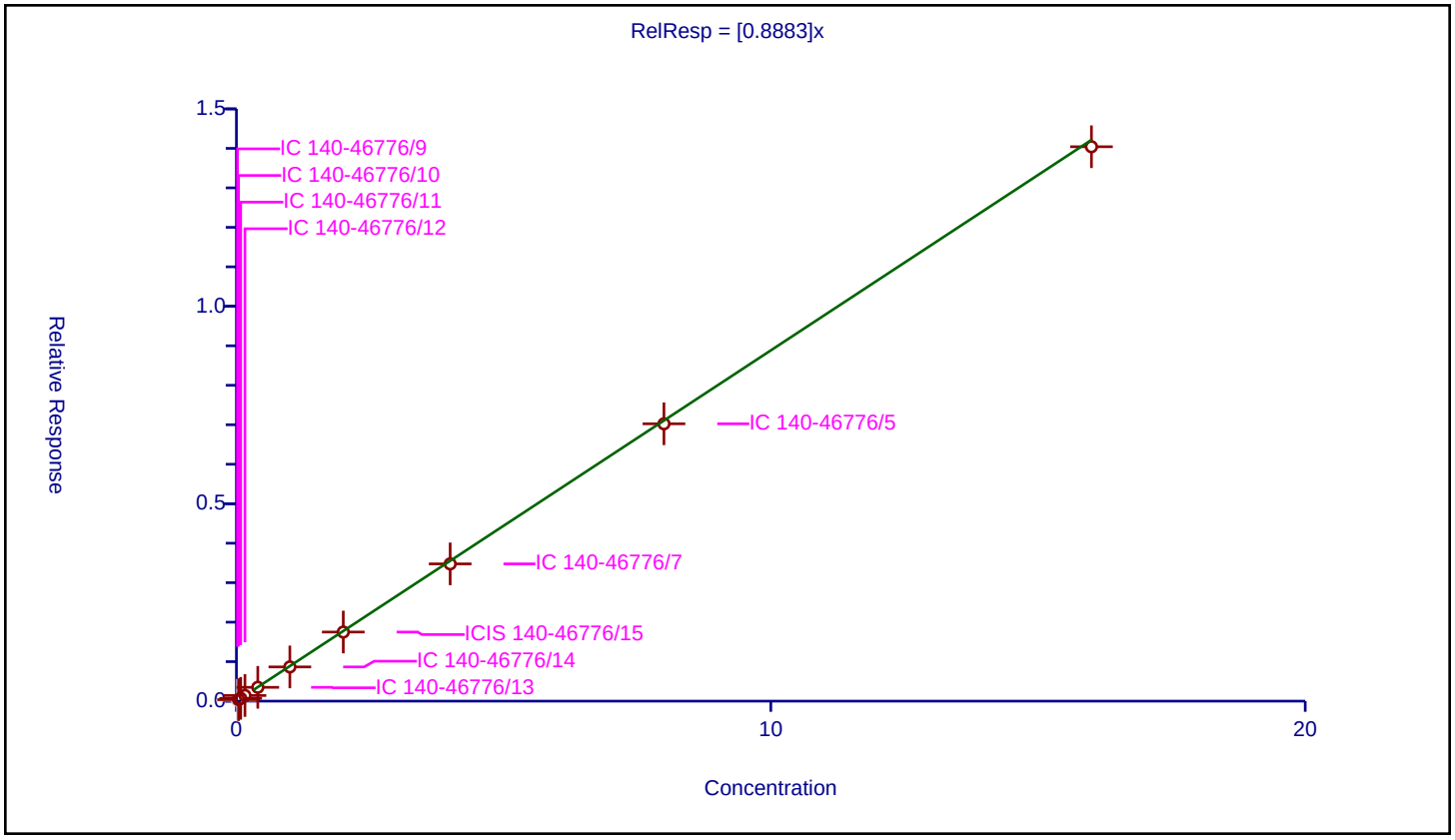
Curve Coefficients

Intercept:	0
Slope:	0.8883

Error Coefficients

Standard Error:	2430000
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 140-46776/9	0.02	0.023987	4.8	2028520.0	1.199337	N
2	IC 140-46776/10	0.04	0.038834	4.8	2045241.0	0.970859	Y
3	IC 140-46776/11	0.08	0.071448	4.8	1997257.0	0.893095	Y
4	IC 140-46776/12	0.16	0.14234	4.8	2021205.0	0.889623	Y
5	IC 140-46776/13	0.4	0.350069	4.8	1967324.0	0.875173	Y
6	IC 140-46776/14	1.0	0.866488	4.8	2001835.0	0.866488	Y
7	ICIS 140-46776/15	2.0	1.750109	4.8	2044363.0	0.875054	Y
8	IC 140-46776/7	4.0	3.476239	4.8	2118872.0	0.86906	Y
9	IC 140-46776/5	8.0	7.024817	4.8	2124392.0	0.878102	Y
10	IC 140-46776/3	16.0	14.041472	4.8	2011533.0	0.877592	Y



Calibration / Cyclohexane

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

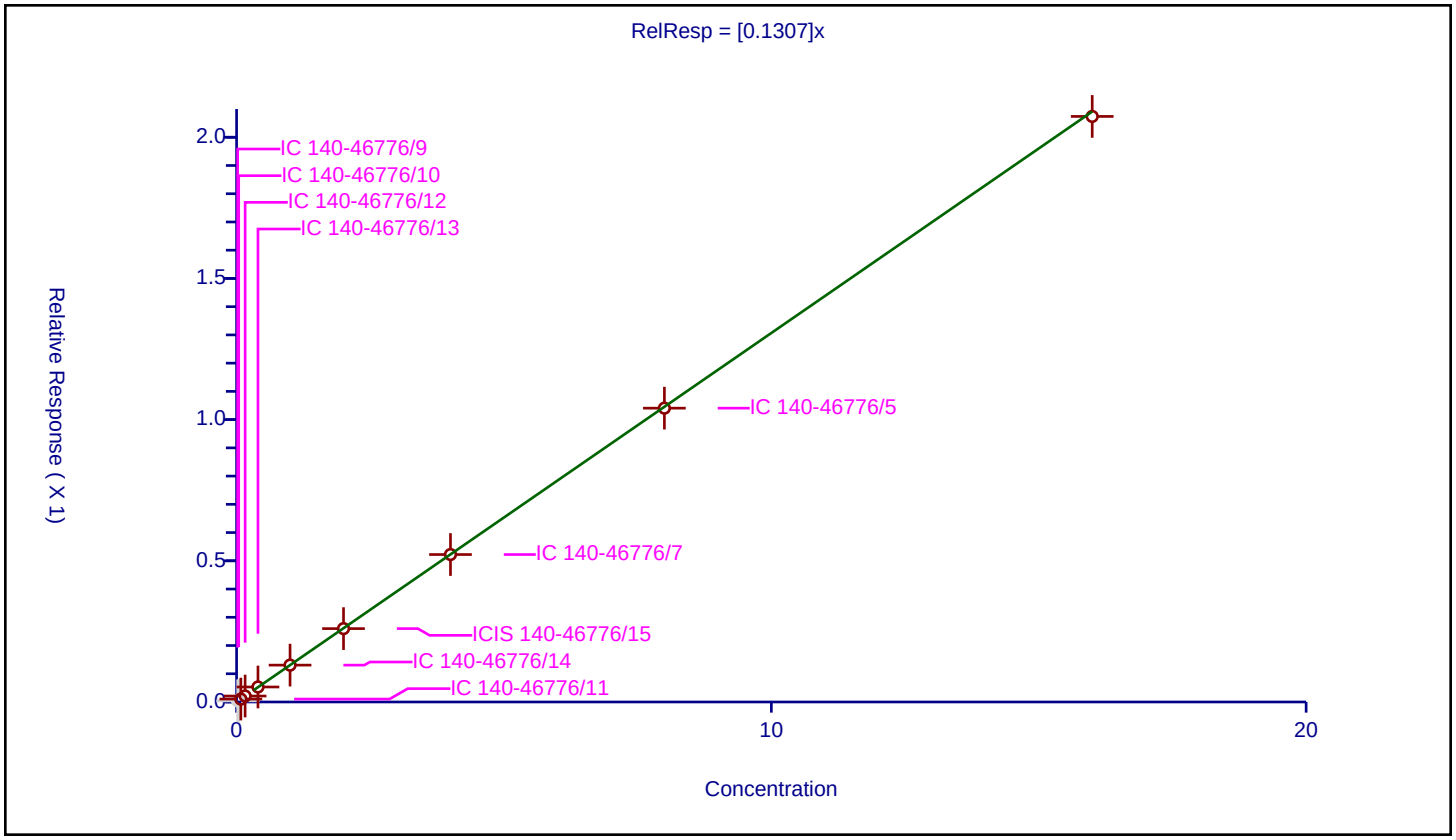
Curve Coefficients

Intercept:	0
Slope:	0.1307

Error Coefficients

Standard Error:	385000
Relative Standard Error:	0.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.003907	4.8	2028520.0	0.195335	N
2	IC 140-46776/10	0.04	0.005771	4.8	2045241.0	0.144276	N
3	IC 140-46776/11	0.08	0.010382	4.8	1997257.0	0.129778	Y
4	IC 140-46776/12	0.16	0.021117	4.8	2021205.0	0.131981	Y
5	IC 140-46776/13	0.4	0.053165	4.8	1967324.0	0.132912	Y
6	IC 140-46776/14	1.0	0.130575	4.8	2001835.0	0.130575	Y
7	ICIS 140-46776/15	2.0	0.259875	4.8	2044363.0	0.129937	Y
8	IC 140-46776/7	4.0	0.52223	4.8	2118872.0	0.130558	Y
9	IC 140-46776/5	8.0	1.040601	4.8	2124392.0	0.130075	Y
10	IC 140-46776/3	16.0	2.073723	4.8	2011533.0	0.129608	Y



Calibration / Carbon tetrachloride

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

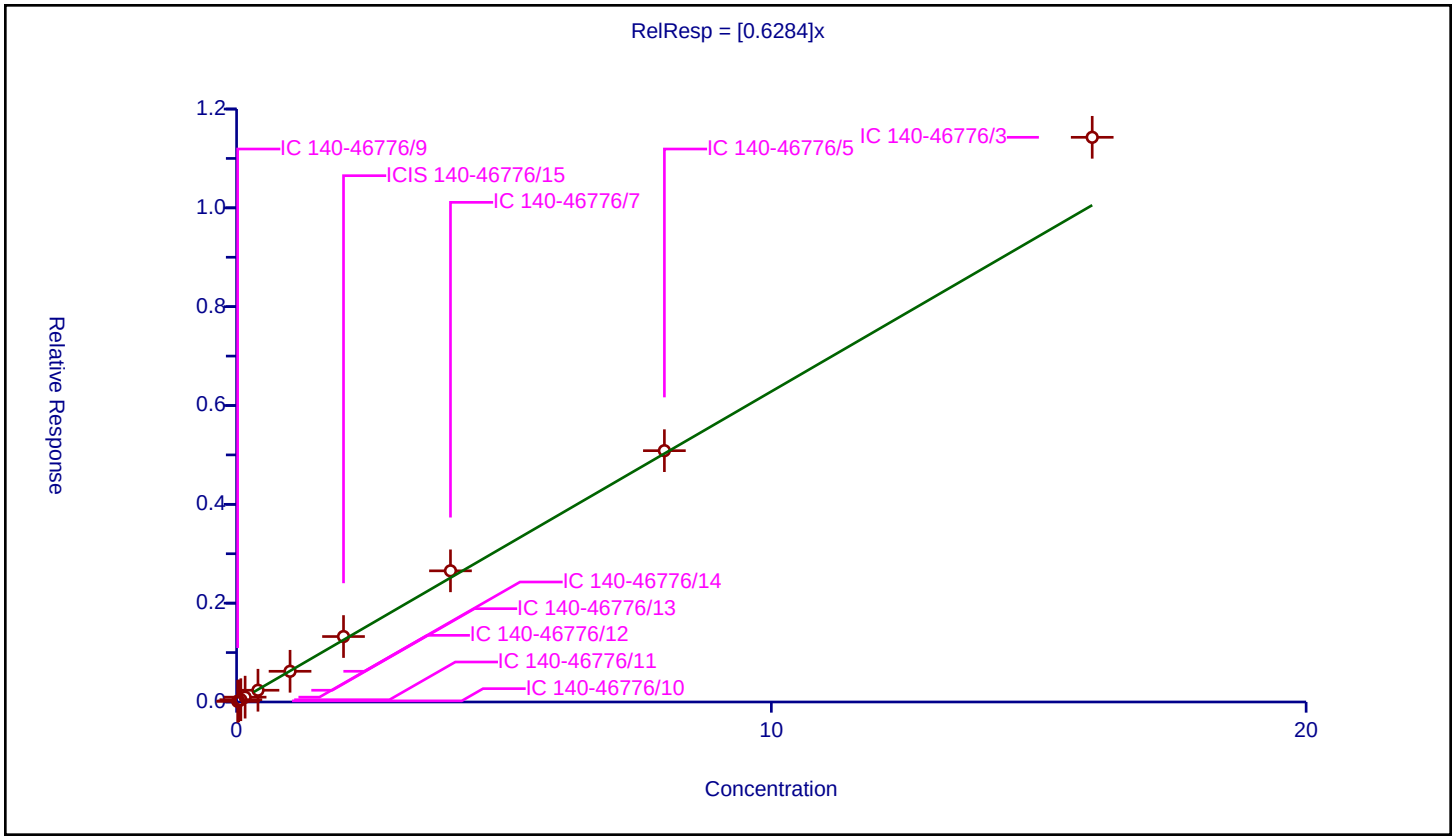
Curve Coefficients

Intercept:	0
Slope:	0.6284

Error Coefficients

Standard Error:	1820000
Relative Standard Error:	6.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.01257	4.8	2028520.0	0.628478	Y
2	IC 140-46776/10	0.04	0.022915	4.8	2045241.0	0.572881	Y
3	IC 140-46776/11	0.08	0.046268	4.8	1997257.0	0.578353	Y
4	IC 140-46776/12	0.16	0.097952	4.8	2021205.0	0.612199	Y
5	IC 140-46776/13	0.4	0.237806	4.8	1967324.0	0.594515	Y
6	IC 140-46776/14	1.0	0.621567	4.8	2001835.0	0.621567	Y
7	ICIS 140-46776/15	2.0	1.324584	4.8	2044363.0	0.662292	Y
8	IC 140-46776/7	4.0	2.654522	4.8	2118872.0	0.66363	Y
9	IC 140-46776/5	8.0	5.086157	4.8	2124392.0	0.63577	Y
10	IC 140-46776/3	16.0	11.42744	4.8	2011533.0	0.714215	Y



Calibration / 2,3-Dimethylpentane

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

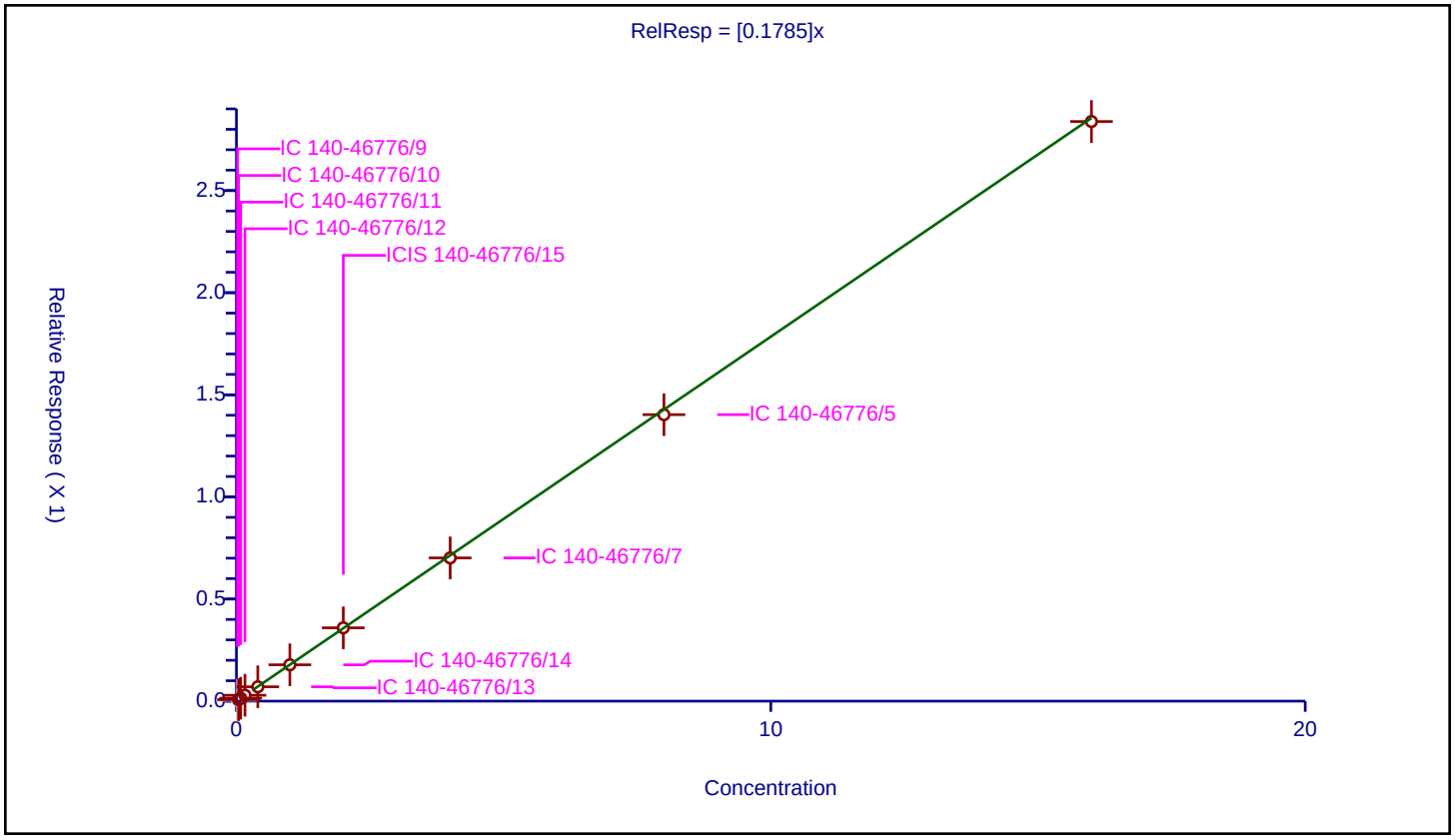
Curve Coefficients

Intercept:	0
Slope:	0.1785

Error Coefficients

Standard Error:	491000
Relative Standard Error:	1.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.004593	4.8	2028520.0	0.229645	N
2	IC 140-46776/10	0.04	0.007383	4.8	2045241.0	0.184585	Y
3	IC 140-46776/11	0.08	0.014413	4.8	1997257.0	0.180157	Y
4	IC 140-46776/12	0.16	0.028861	4.8	2021205.0	0.180382	Y
5	IC 140-46776/13	0.4	0.070217	4.8	1967324.0	0.175542	Y
6	IC 140-46776/14	1.0	0.177922	4.8	2001835.0	0.177922	Y
7	ICIS 140-46776/15	2.0	0.359002	4.8	2044363.0	0.179501	Y
8	IC 140-46776/7	4.0	0.701252	4.8	2118872.0	0.175313	Y
9	IC 140-46776/5	8.0	1.402806	4.8	2124392.0	0.175351	Y
10	IC 140-46776/3	16.0	2.838246	4.8	2011533.0	0.17739	Y



Calibration / Thiophene

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

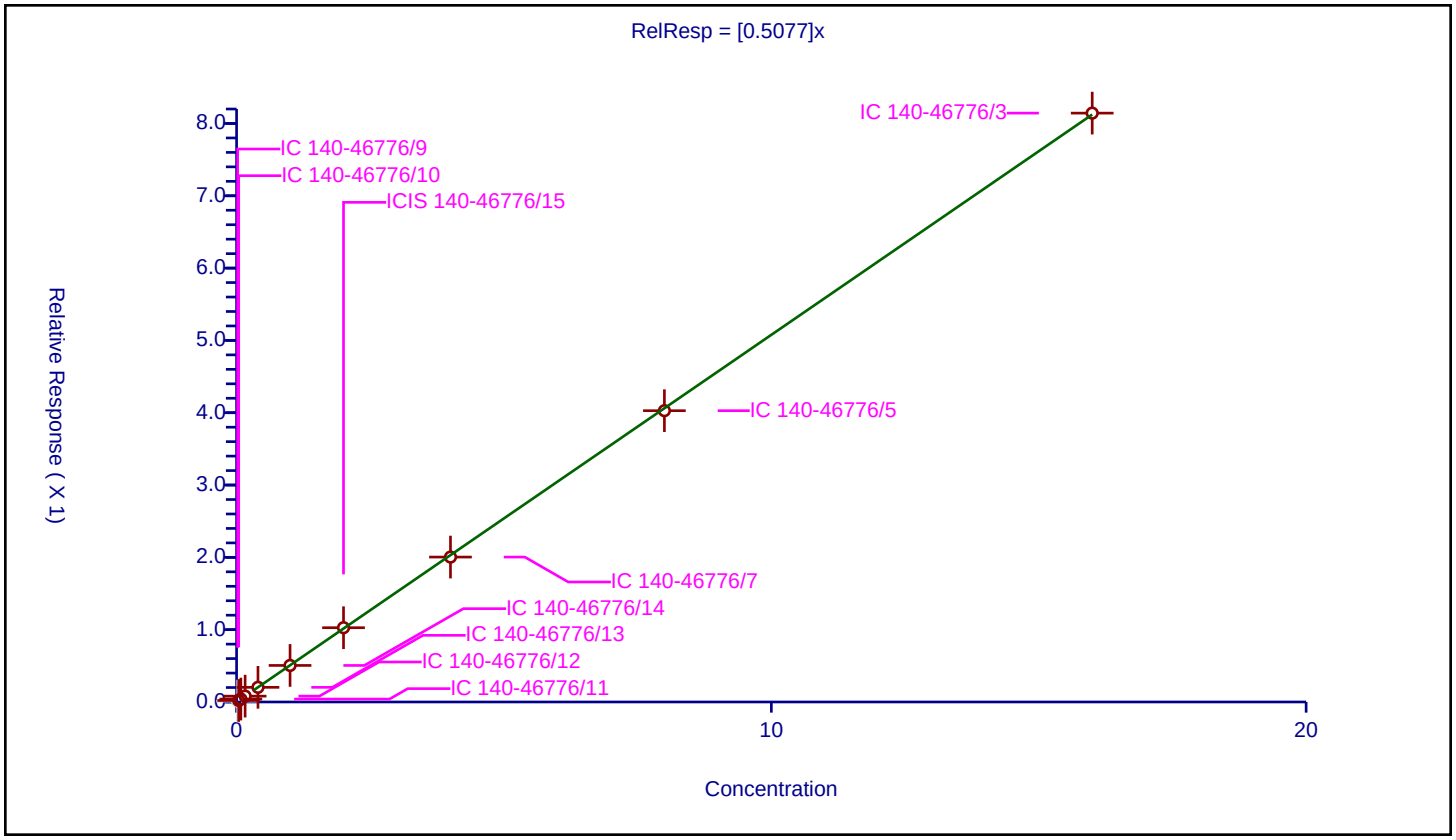
Curve Coefficients

Intercept:	0
Slope:	0.5077

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	1.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.011673	4.8	2028520.0	0.583637	N
2	IC 140-46776/10	0.04	0.020866	4.8	2045241.0	0.52166	Y
3	IC 140-46776/11	0.08	0.040289	4.8	1997257.0	0.503611	Y
4	IC 140-46776/12	0.16	0.080775	4.8	2021205.0	0.504842	Y
5	IC 140-46776/13	0.4	0.202772	4.8	1967324.0	0.50693	Y
6	IC 140-46776/14	1.0	0.50538	4.8	2001835.0	0.50538	Y
7	ICIS 140-46776/15	2.0	1.02722	4.8	2044363.0	0.51361	Y
8	IC 140-46776/7	4.0	2.0039	4.8	2118872.0	0.500975	Y
9	IC 140-46776/5	8.0	4.028183	4.8	2124392.0	0.503523	Y
10	IC 140-46776/3	16.0	8.143251	4.8	2011533.0	0.508953	Y



Calibration / Isooctane

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

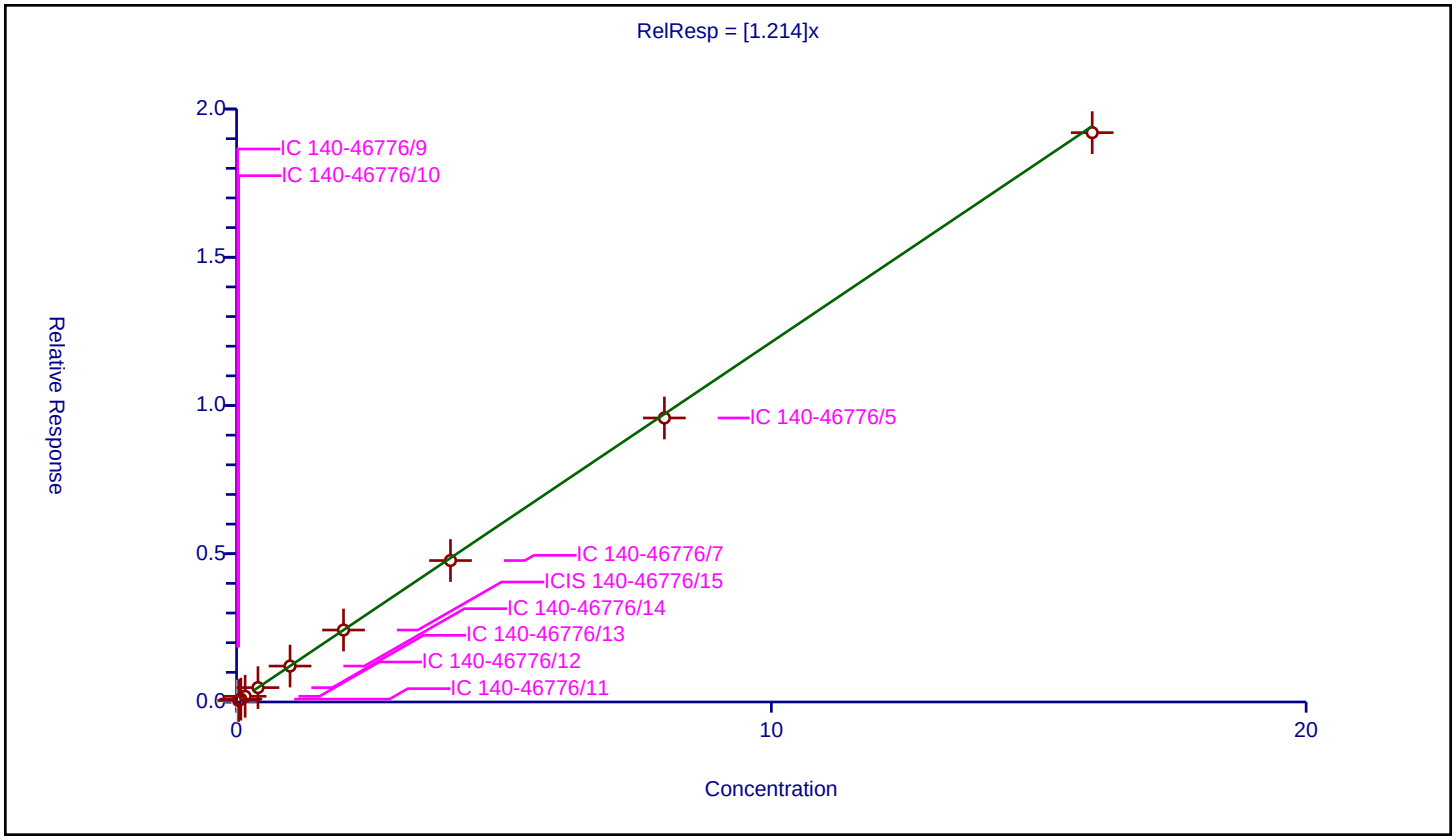
Curve Coefficients

Intercept:	0
Slope:	1.214

Error Coefficients

Standard Error:	3330000
Relative Standard Error:	2.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.031154	4.8	2028520.0	1.557707	N
2	IC 140-46776/10	0.04	0.051787	4.8	2045241.0	1.294674	Y
3	IC 140-46776/11	0.08	0.096526	4.8	1997257.0	1.206575	Y
4	IC 140-46776/12	0.16	0.191639	4.8	2021205.0	1.197741	Y
5	IC 140-46776/13	0.4	0.483983	4.8	1967324.0	1.209958	Y
6	IC 140-46776/14	1.0	1.211985	4.8	2001835.0	1.211985	Y
7	ICIS 140-46776/15	2.0	2.426737	4.8	2044363.0	1.213368	Y
8	IC 140-46776/7	4.0	4.77099	4.8	2118872.0	1.192747	Y
9	IC 140-46776/5	8.0	9.579418	4.8	2124392.0	1.197427	Y
10	IC 140-46776/3	16.0	19.202923	4.8	2011533.0	1.200183	Y



Calibration / n-Heptane

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

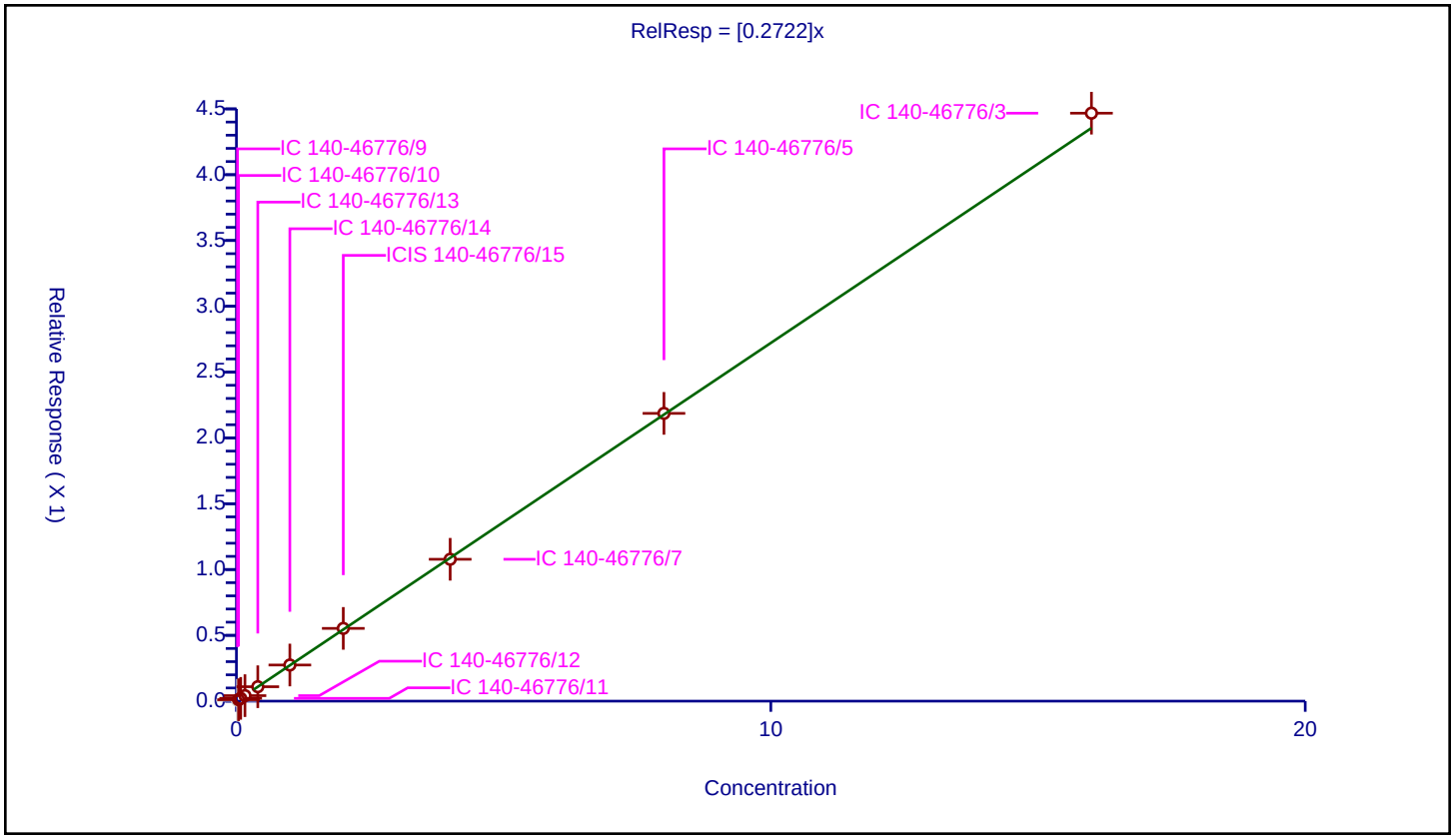
Curve Coefficients

Intercept:	0
Slope:	0.2722

Error Coefficients

Standard Error:	770000
Relative Standard Error:	2.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.006382	4.8	2028520.0	0.31909	N
2	IC 140-46776/10	0.04	0.011054	4.8	2045241.0	0.276349	Y
3	IC 140-46776/11	0.08	0.021156	4.8	1997257.0	0.264453	Y
4	IC 140-46776/12	0.16	0.04188	4.8	2021205.0	0.26175	Y
5	IC 140-46776/13	0.4	0.109555	4.8	1967324.0	0.273887	Y
6	IC 140-46776/14	1.0	0.274553	4.8	2001835.0	0.274553	Y
7	ICIS 140-46776/15	2.0	0.552799	4.8	2044363.0	0.276399	Y
8	IC 140-46776/7	4.0	1.078017	4.8	2118872.0	0.269504	Y
9	IC 140-46776/5	8.0	2.186421	4.8	2124392.0	0.273303	Y
10	IC 140-46776/3	16.0	4.467399	4.8	2011533.0	0.279212	Y



Calibration / 1,2-Dichloropropane

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

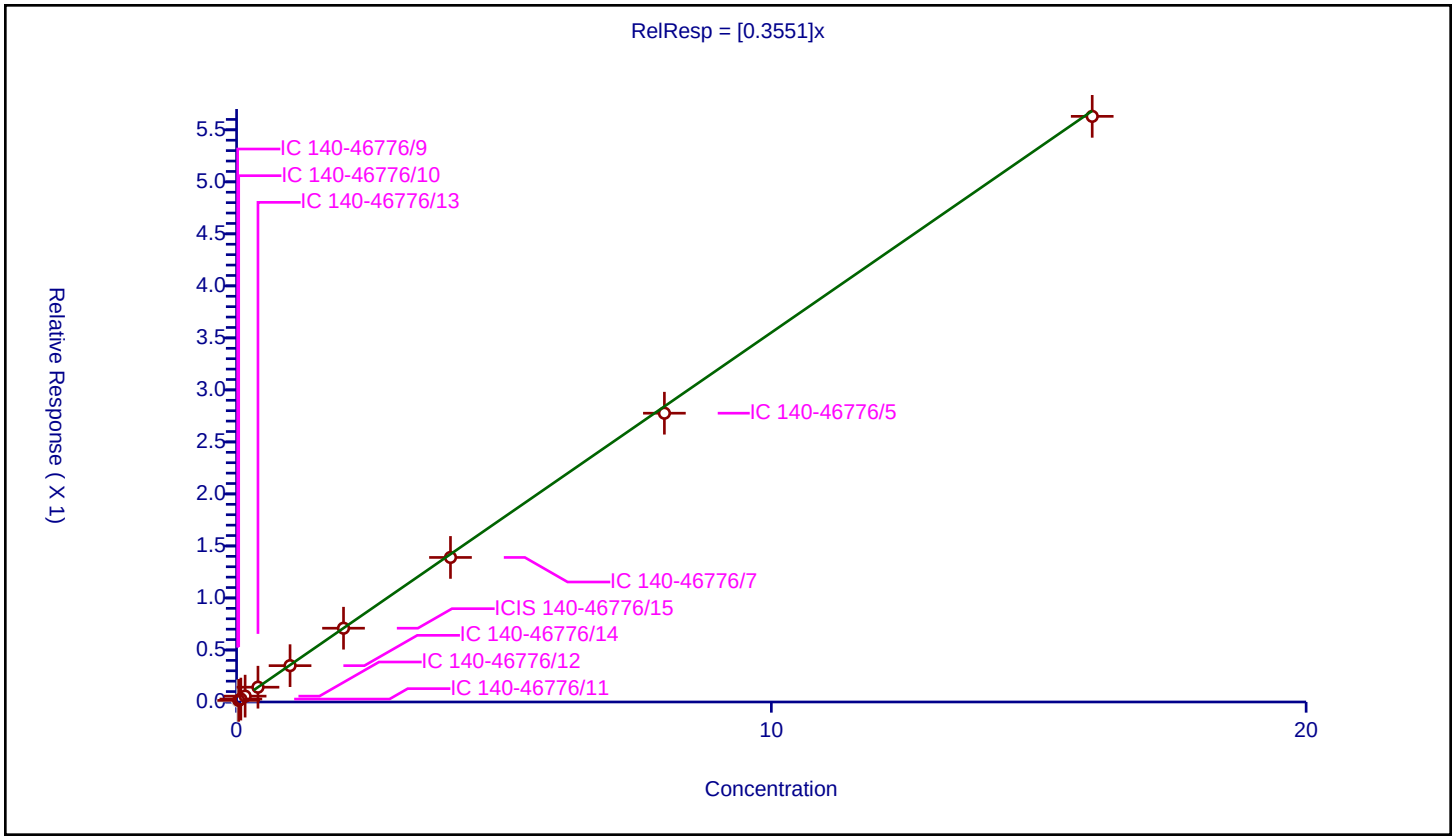
Curve Coefficients

Intercept:	0
Slope:	0.3551

Error Coefficients

Standard Error:	973000
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 140-46776/9	0.02	0.009538	4.8	2028520.0	0.476919	N
2	IC 140-46776/10	0.04	0.01549	4.8	2045241.0	0.38724	Y
3	IC 140-46776/11	0.08	0.02814	4.8	1997257.0	0.351752	Y
4	IC 140-46776/12	0.16	0.056293	4.8	2021205.0	0.35183	Y
5	IC 140-46776/13	0.4	0.142117	4.8	1967324.0	0.355293	Y
6	IC 140-46776/14	1.0	0.349369	4.8	2001835.0	0.349369	Y
7	ICIS 140-46776/15	2.0	0.709187	4.8	2044363.0	0.354593	Y
8	IC 140-46776/7	4.0	1.389359	4.8	2118872.0	0.34734	Y
9	IC 140-46776/5	8.0	2.776093	4.8	2124392.0	0.347012	Y
10	IC 140-46776/3	16.0	5.629505	4.8	2011533.0	0.351844	Y



Calibration / Trichloroethene

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

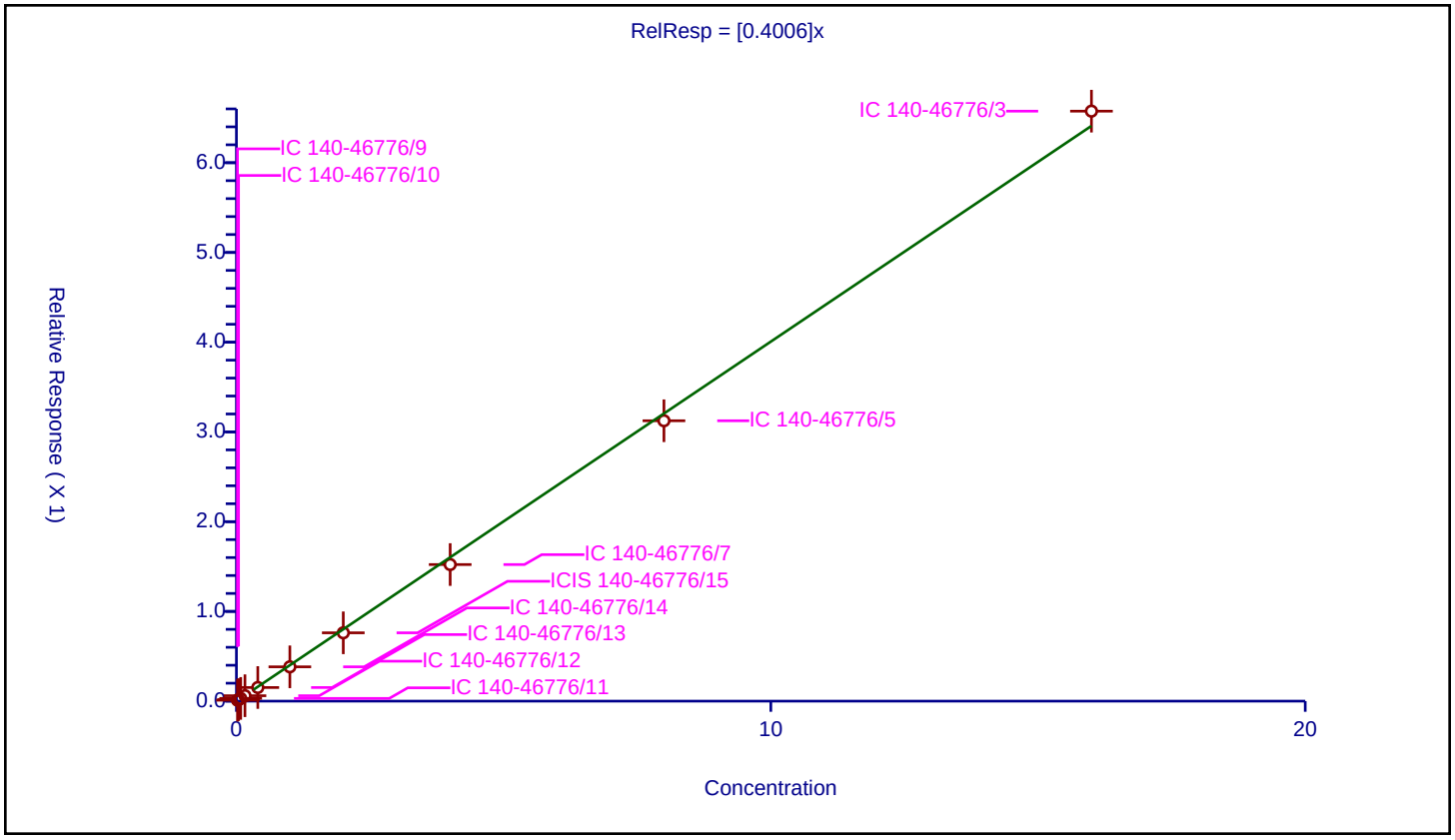
Curve Coefficients

Intercept:	0
Slope:	0.4006

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	9.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.010116	4.8	2028520.0	0.505787	Y
2	IC 140-46776/10	0.04	0.016637	4.8	2045241.0	0.415931	Y
3	IC 140-46776/11	0.08	0.030548	4.8	1997257.0	0.381854	Y
4	IC 140-46776/12	0.16	0.060494	4.8	2021205.0	0.378086	Y
5	IC 140-46776/13	0.4	0.151864	4.8	1967324.0	0.379661	Y
6	IC 140-46776/14	1.0	0.382356	4.8	2001835.0	0.382356	Y
7	ICIS 140-46776/15	2.0	0.761477	4.8	2044363.0	0.380739	Y
8	IC 140-46776/7	4.0	1.522288	4.8	2118872.0	0.380572	Y
9	IC 140-46776/5	8.0	3.124617	4.8	2124392.0	0.390577	Y
10	IC 140-46776/3	16.0	6.574883	4.8	2011533.0	0.41093	Y



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

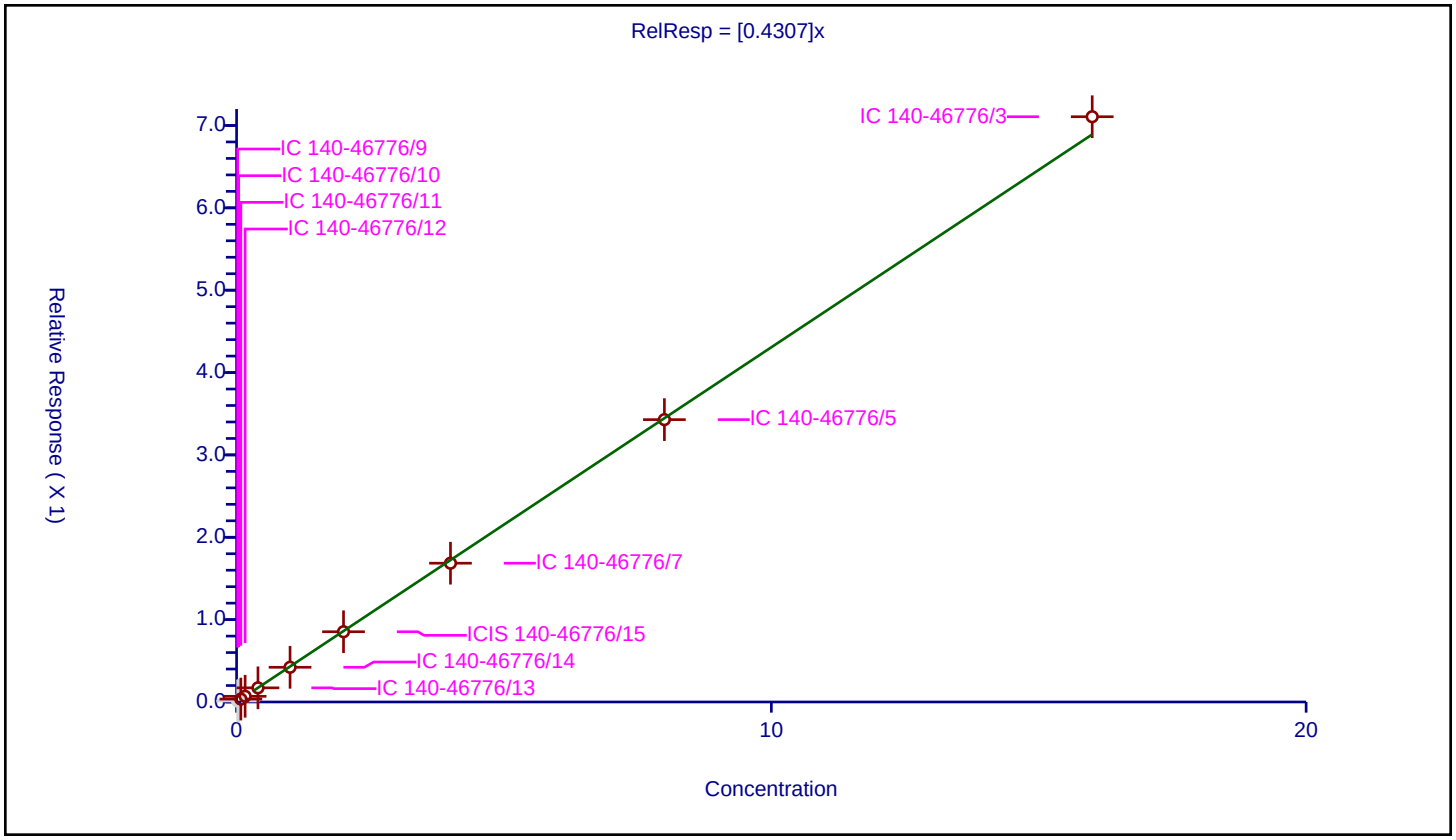
Curve Coefficients

Intercept:	0
Slope:	0.4307

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	2.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.012248	4.8	2028520.0	0.612387	N
2	IC 140-46776/10	0.04	0.020141	4.8	2045241.0	0.50353	N
3	IC 140-46776/11	0.08	0.035425	4.8	1997257.0	0.442807	Y
4	IC 140-46776/12	0.16	0.069024	4.8	2021205.0	0.431401	Y
5	IC 140-46776/13	0.4	0.171844	4.8	1967324.0	0.429611	Y
6	IC 140-46776/14	1.0	0.421492	4.8	2001835.0	0.421492	Y
7	ICIS 140-46776/15	2.0	0.852872	4.8	2044363.0	0.426436	Y
8	IC 140-46776/7	4.0	1.685092	4.8	2118872.0	0.421273	Y
9	IC 140-46776/5	8.0	3.428434	4.8	2124392.0	0.428554	Y
10	IC 140-46776/3	16.0	7.106477	4.8	2011533.0	0.444155	Y



Calibration / 1,4-Dioxane

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

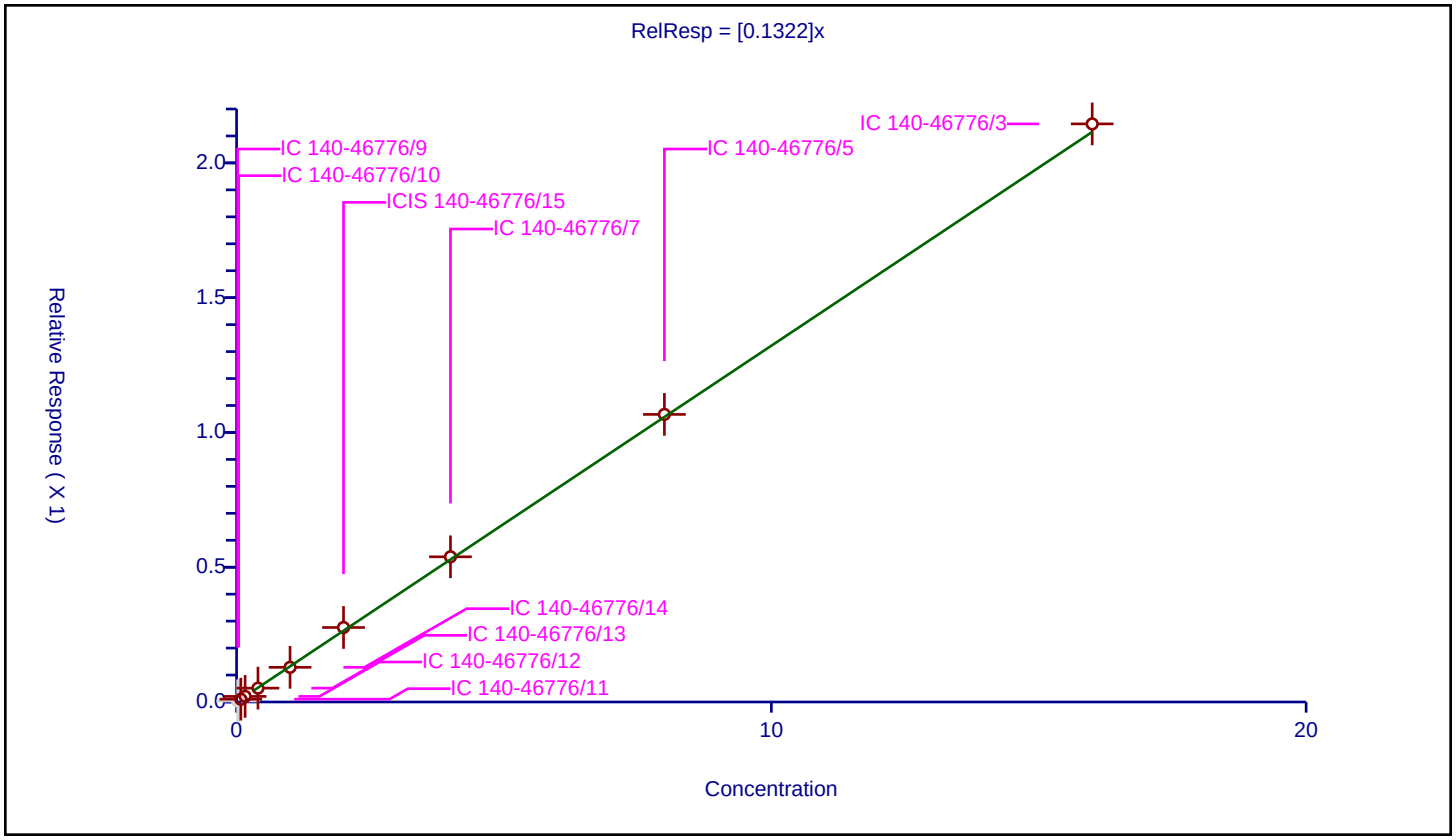
Curve Coefficients

Intercept:	0
Slope:	0.1322

Error Coefficients

Standard Error:	397000
Relative Standard Error:	2.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.003601	4.8	2028520.0	0.180072	N
2	IC 140-46776/10	0.04	0.005834	4.8	2045241.0	0.145861	N
3	IC 140-46776/11	0.08	0.01043	4.8	1997257.0	0.130379	Y
4	IC 140-46776/12	0.16	0.020761	4.8	2021205.0	0.129754	Y
5	IC 140-46776/13	0.4	0.051371	4.8	1967324.0	0.128428	Y
6	IC 140-46776/14	1.0	0.128572	4.8	2001835.0	0.128572	Y
7	ICIS 140-46776/15	2.0	0.276352	4.8	2044363.0	0.138176	Y
8	IC 140-46776/7	4.0	0.538704	4.8	2118872.0	0.134676	Y
9	IC 140-46776/5	8.0	1.067023	4.8	2124392.0	0.133378	Y
10	IC 140-46776/3	16.0	2.144764	4.8	2011533.0	0.134048	Y



Calibration / Dichlorobromomethane

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

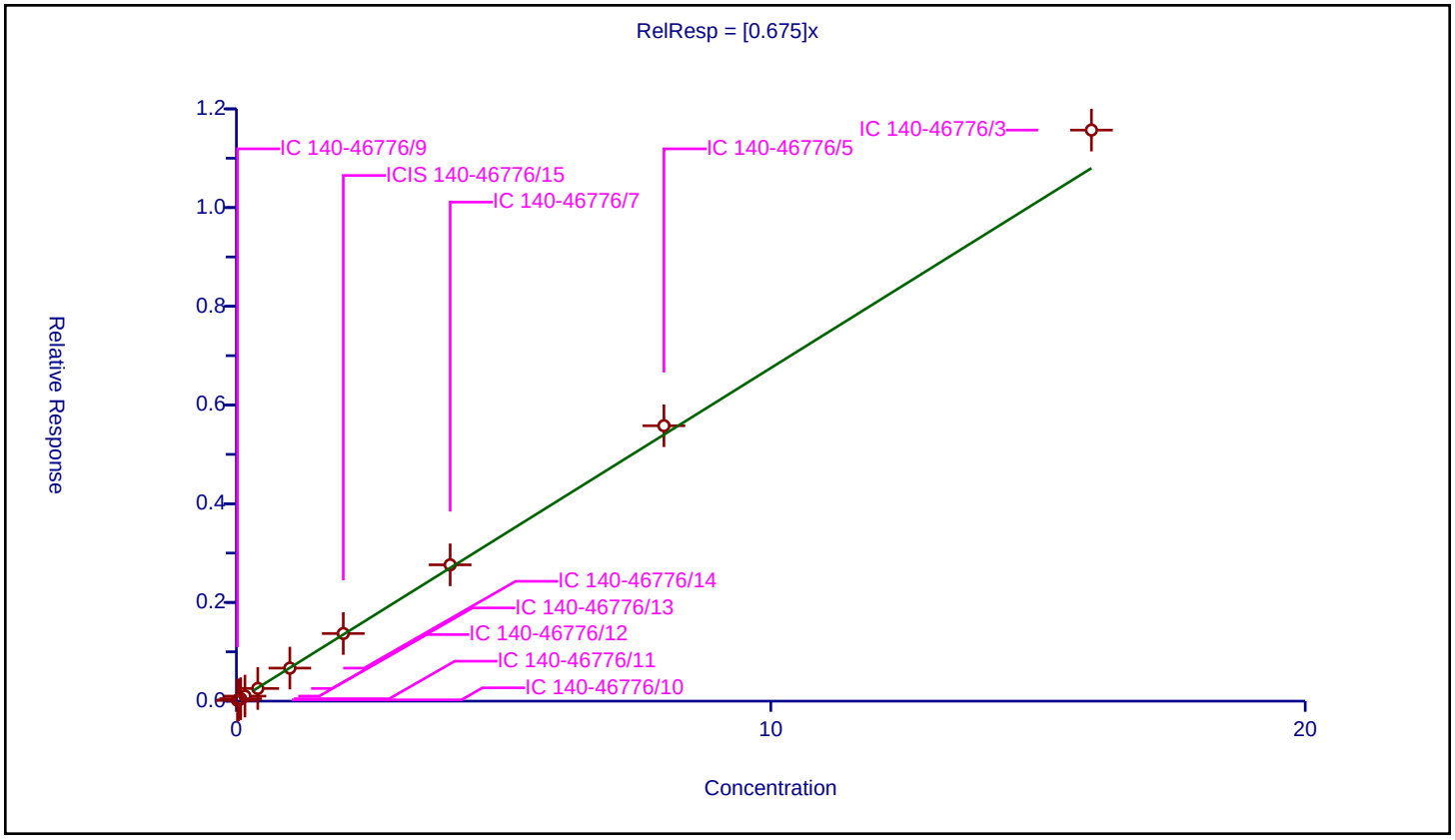
Curve Coefficients

Intercept:	0
Slope:	0.675

Error Coefficients

Standard Error:	1870000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.014657	4.8	2028520.0	0.73283	Y
2	IC 140-46776/10	0.04	0.026027	4.8	2045241.0	0.650681	Y
3	IC 140-46776/11	0.08	0.049493	4.8	1997257.0	0.618669	Y
4	IC 140-46776/12	0.16	0.102165	4.8	2021205.0	0.63853	Y
5	IC 140-46776/13	0.4	0.257308	4.8	1967324.0	0.64327	Y
6	IC 140-46776/14	1.0	0.669262	4.8	2001835.0	0.669262	Y
7	ICIS 140-46776/15	2.0	1.370502	4.8	2044363.0	0.685251	Y
8	IC 140-46776/7	4.0	2.762029	4.8	2118872.0	0.690507	Y
9	IC 140-46776/5	8.0	5.580322	4.8	2124392.0	0.69754	Y
10	IC 140-46776/3	16.0	11.570678	4.8	2011533.0	0.723167	Y



Calibration / Methyl methacrylate

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

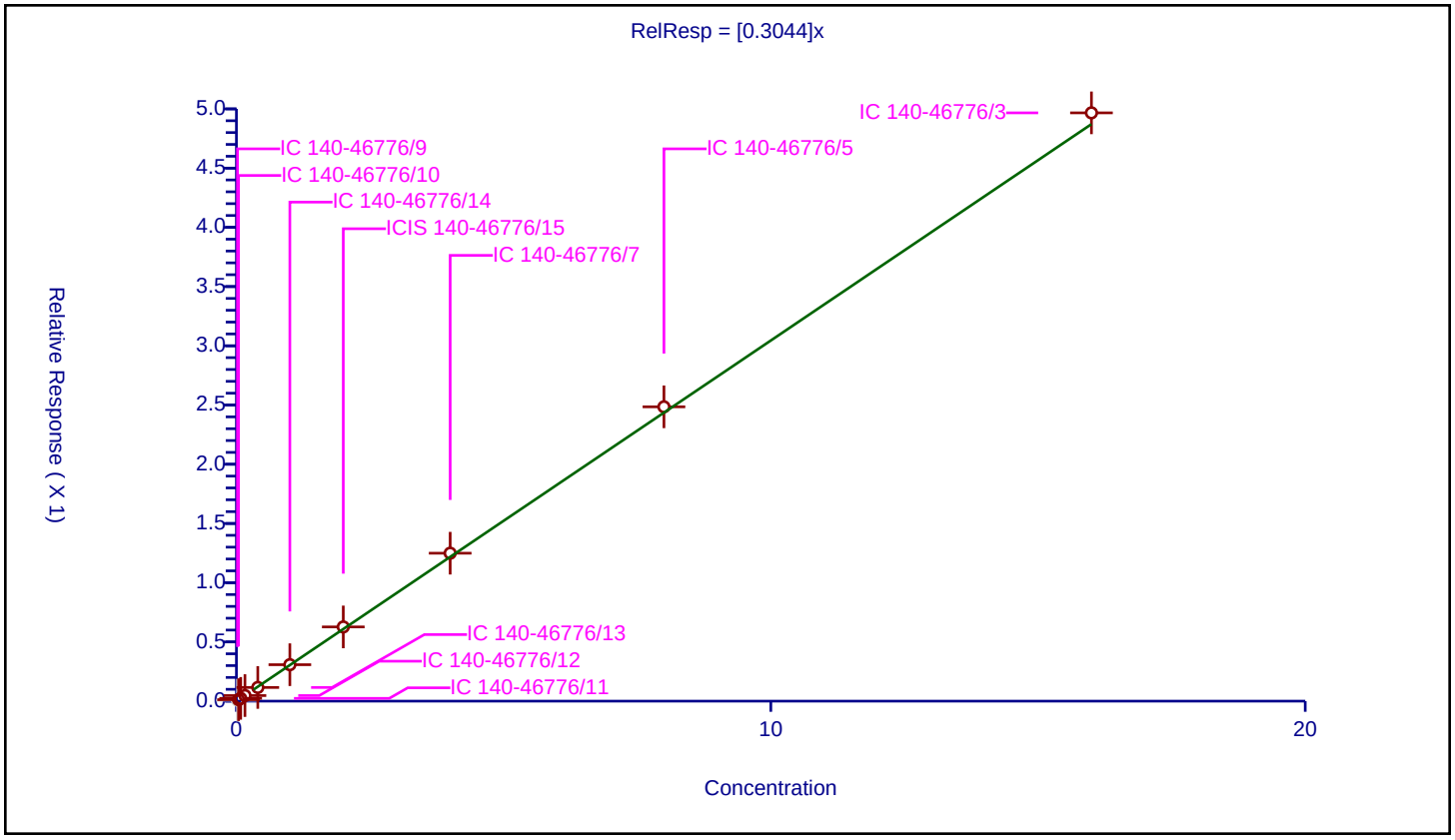
Curve Coefficients

Intercept:	0
Slope:	0.3044

Error Coefficients

Standard Error:	861000
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 140-46776/9	0.02	0.007986	4.8	2028520.0	0.399306	N
2	IC 140-46776/10	0.04	0.012385	4.8	2045241.0	0.309616	Y
3	IC 140-46776/11	0.08	0.023408	4.8	1997257.0	0.292601	Y
4	IC 140-46776/12	0.16	0.047209	4.8	2021205.0	0.295057	Y
5	IC 140-46776/13	0.4	0.115445	4.8	1967324.0	0.288611	Y
6	IC 140-46776/14	1.0	0.307633	4.8	2001835.0	0.307633	Y
7	ICIS 140-46776/15	2.0	0.626561	4.8	2044363.0	0.313281	Y
8	IC 140-46776/7	4.0	1.248993	4.8	2118872.0	0.312248	Y
9	IC 140-46776/5	8.0	2.48468	4.8	2124392.0	0.310585	Y
10	IC 140-46776/3	16.0	4.966576	4.8	2011533.0	0.310411	Y



Calibration / Methylcyclohexane

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

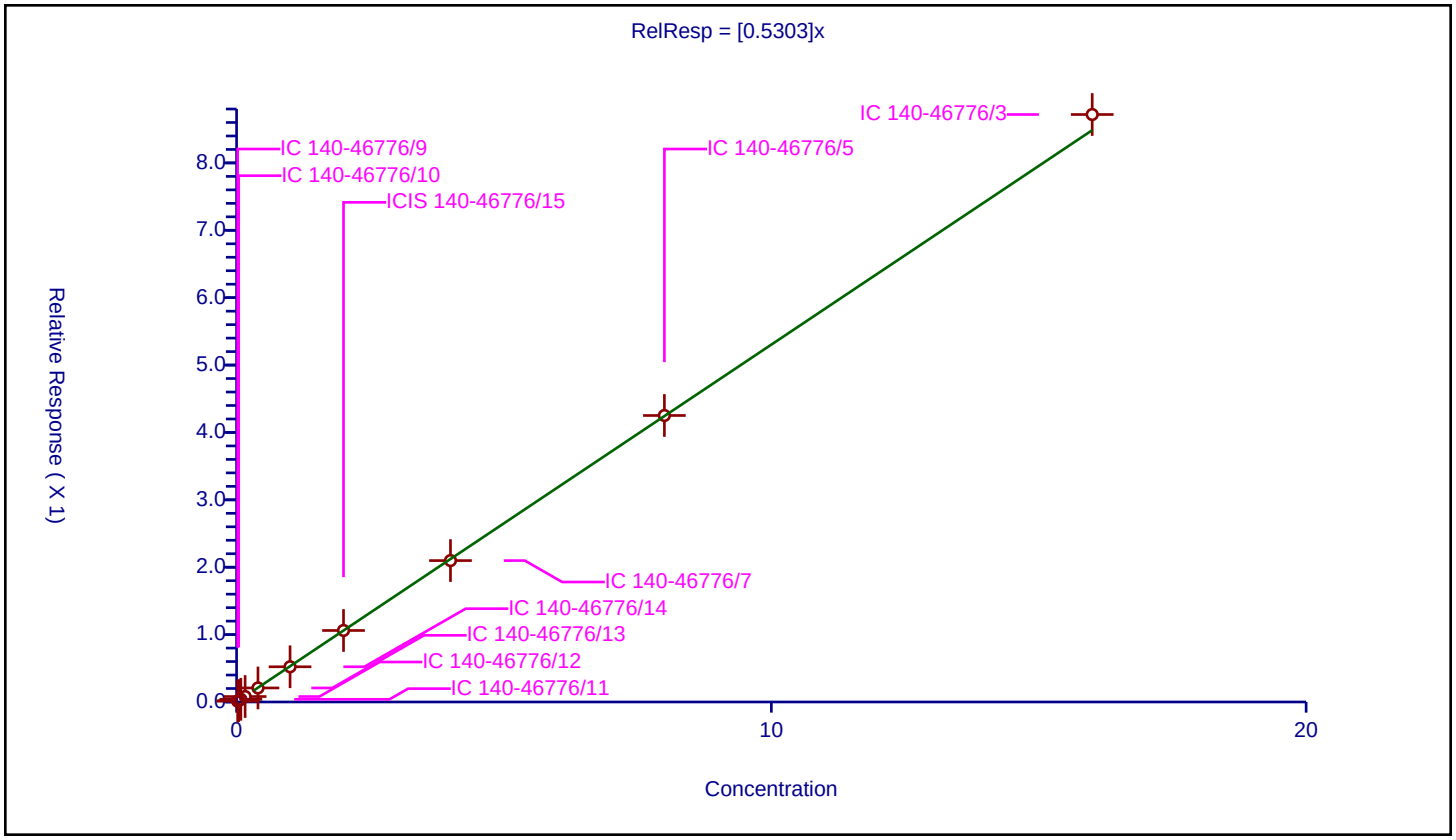
Curve Coefficients

Intercept:	0
Slope:	0.5303

Error Coefficients

Standard Error:	1410000
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 140-46776/9	0.02	0.011784	4.8	2028520.0	0.589198	Y
2	IC 140-46776/10	0.04	0.021355	4.8	2045241.0	0.533864	Y
3	IC 140-46776/11	0.08	0.039914	4.8	1997257.0	0.498924	Y
4	IC 140-46776/12	0.16	0.081019	4.8	2021205.0	0.506371	Y
5	IC 140-46776/13	0.4	0.208401	4.8	1967324.0	0.521002	Y
6	IC 140-46776/14	1.0	0.522452	4.8	2001835.0	0.522452	Y
7	ICIS 140-46776/15	2.0	1.061325	4.8	2044363.0	0.530663	Y
8	IC 140-46776/7	4.0	2.098599	4.8	2118872.0	0.52465	Y
9	IC 140-46776/5	8.0	4.251661	4.8	2124392.0	0.531458	Y
10	IC 140-46776/3	16.0	8.718294	4.8	2011533.0	0.544893	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

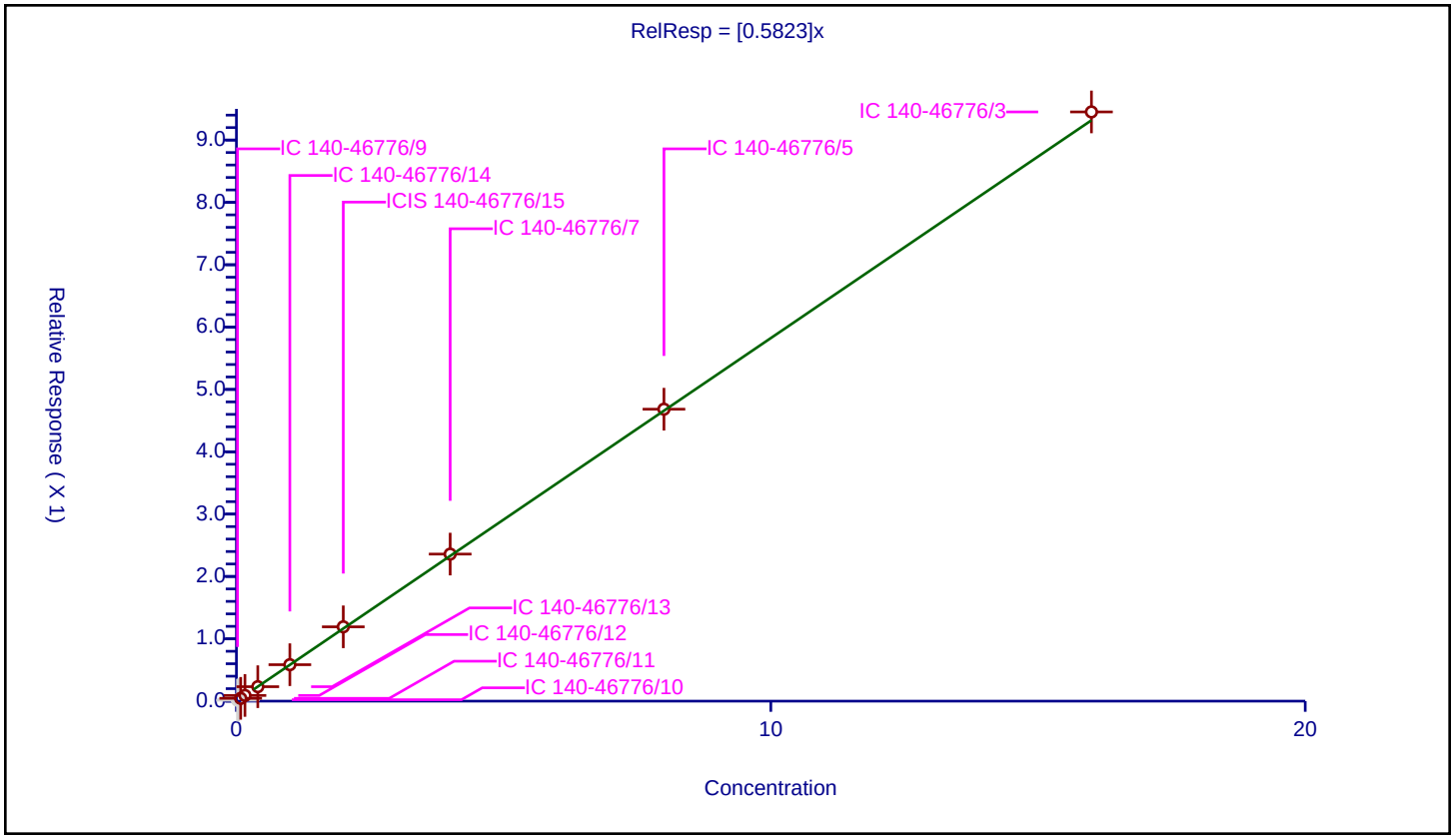
Curve Coefficients

Intercept:	0
Slope:	0.5823

Error Coefficients

Standard Error:	1750000
Relative Standard Error:	1.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.014773	4.8	2028520.0	0.738627	N
2	IC 140-46776/10	0.04	0.022737	4.8	2045241.0	0.568422	N
3	IC 140-46776/11	0.08	0.045105	4.8	1997257.0	0.563813	Y
4	IC 140-46776/12	0.16	0.091036	4.8	2021205.0	0.568977	Y
5	IC 140-46776/13	0.4	0.231789	4.8	1967324.0	0.579473	Y
6	IC 140-46776/14	1.0	0.584612	4.8	2001835.0	0.584612	Y
7	ICIS 140-46776/15	2.0	1.192069	4.8	2044363.0	0.596035	Y
8	IC 140-46776/7	4.0	2.358709	4.8	2118872.0	0.589677	Y
9	IC 140-46776/5	8.0	4.682978	4.8	2124392.0	0.585372	Y
10	IC 140-46776/3	16.0	9.451091	4.8	2011533.0	0.590693	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

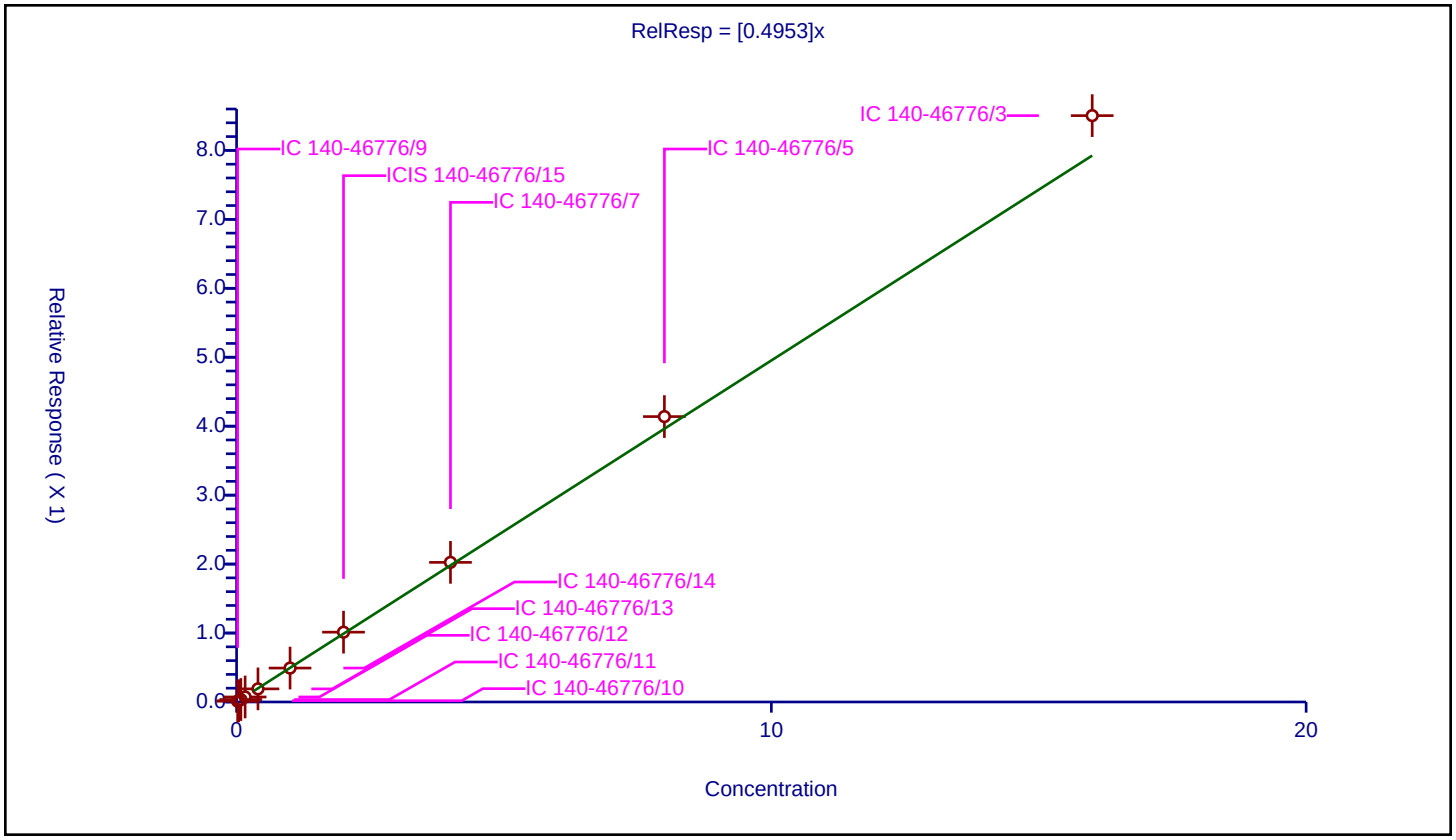
Curve Coefficients

Intercept:	0
Slope:	0.4953

Error Coefficients

Standard Error:	1380000
Relative Standard Error:	7.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.01124	4.8	2028520.0	0.561986	Y
2	IC 140-46776/10	0.04	0.018501	4.8	2045241.0	0.462518	Y
3	IC 140-46776/11	0.08	0.035586	4.8	1997257.0	0.44482	Y
4	IC 140-46776/12	0.16	0.072736	4.8	2021205.0	0.4546	Y
5	IC 140-46776/13	0.4	0.190217	4.8	1967324.0	0.475541	Y
6	IC 140-46776/14	1.0	0.491988	4.8	2001835.0	0.491988	Y
7	ICIS 140-46776/15	2.0	1.012794	4.8	2044363.0	0.506397	Y
8	IC 140-46776/7	4.0	2.02483	4.8	2118872.0	0.506207	Y
9	IC 140-46776/5	8.0	4.139351	4.8	2124392.0	0.517419	Y
10	IC 140-46776/3	16.0	8.503897	4.8	2011533.0	0.531494	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

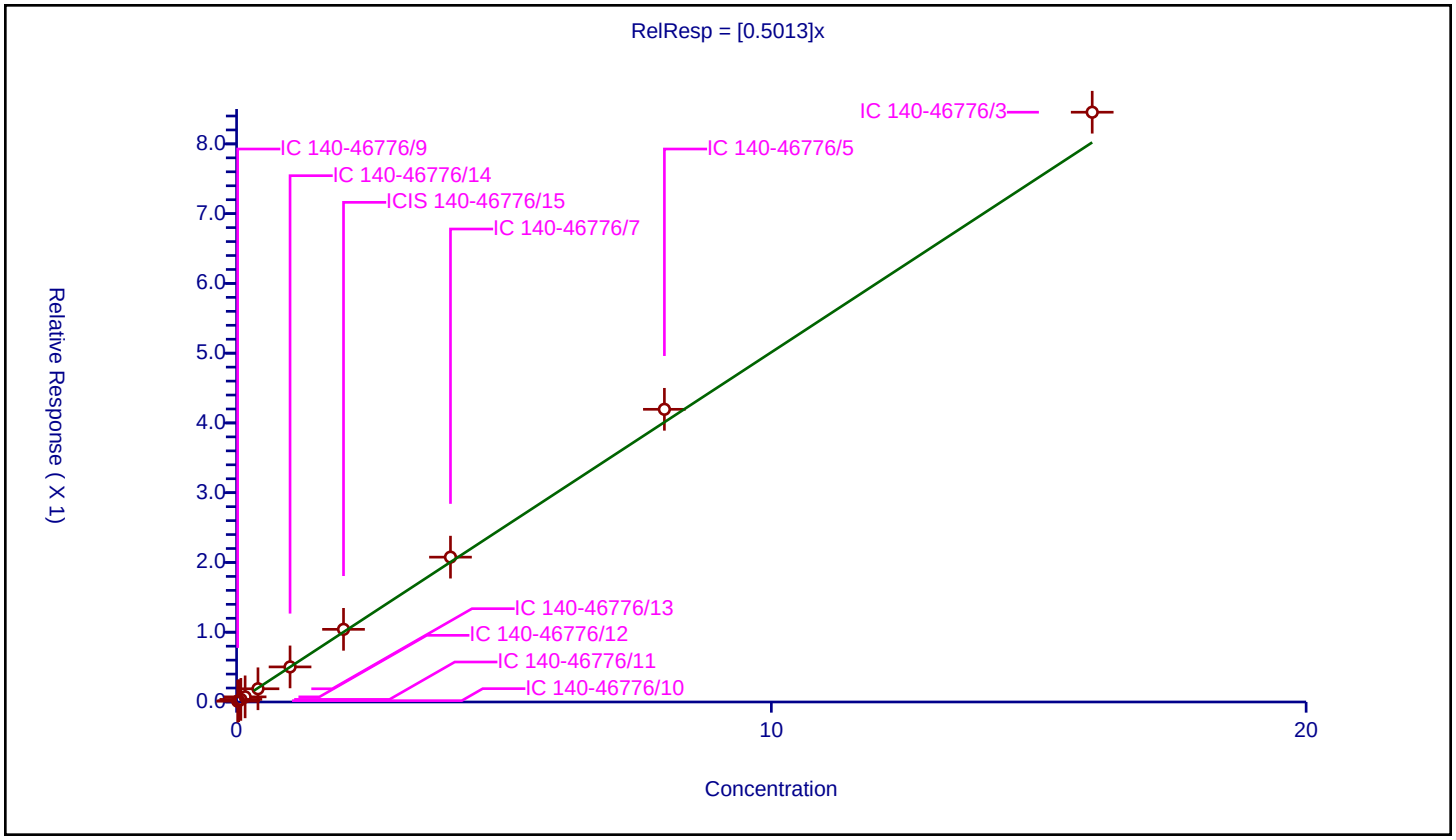
Curve Coefficients

Intercept:	0
Slope:	0.5013

Error Coefficients

Standard Error:	1250000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.010932	4.8	1739215.0	0.546591	Y
2	IC 140-46776/10	0.04	0.01893	4.8	1758697.0	0.473259	Y
3	IC 140-46776/11	0.08	0.03729	4.8	1715217.0	0.466122	Y
4	IC 140-46776/12	0.16	0.073401	4.8	1744119.0	0.458759	Y
5	IC 140-46776/13	0.4	0.189223	4.8	1706433.0	0.473057	Y
6	IC 140-46776/14	1.0	0.5029	4.8	1744759.0	0.5029	Y
7	ICIS 140-46776/15	2.0	1.041605	4.8	1797479.0	0.520803	Y
8	IC 140-46776/7	4.0	2.076172	4.8	1867501.0	0.519043	Y
9	IC 140-46776/5	8.0	4.195497	4.8	1901091.0	0.524437	Y
10	IC 140-46776/3	16.0	8.454078	4.8	1840771.0	0.52838	Y



Calibration / Toluene

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

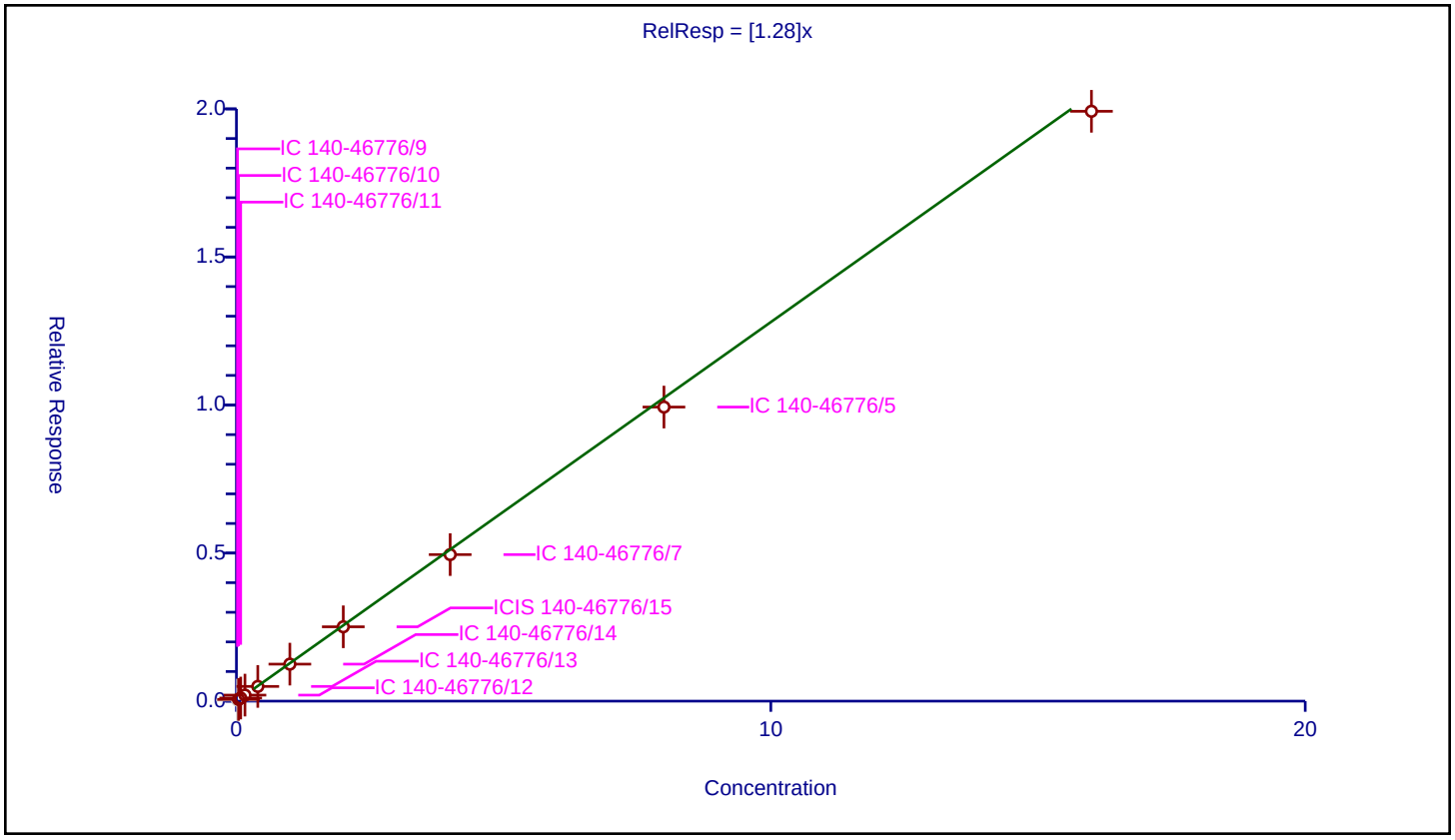
Curve Coefficients

Intercept:	0
Slope:	1.28

Error Coefficients

Standard Error:	3140000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.036243	4.8	1739215.0	1.812128	N
2	IC 140-46776/10	0.04	0.058734	4.8	1758697.0	1.46836	Y
3	IC 140-46776/11	0.08	0.104397	4.8	1715217.0	1.304966	Y
4	IC 140-46776/12	0.16	0.203945	4.8	1744119.0	1.274655	Y
5	IC 140-46776/13	0.4	0.497132	4.8	1706433.0	1.242831	Y
6	IC 140-46776/14	1.0	1.249936	4.8	1744759.0	1.249936	Y
7	ICIS 140-46776/15	2.0	2.511181	4.8	1797479.0	1.255591	Y
8	IC 140-46776/7	4.0	4.949459	4.8	1867501.0	1.237365	Y
9	IC 140-46776/5	8.0	9.93098	4.8	1901091.0	1.241372	Y
10	IC 140-46776/3	16.0	19.91938	4.8	1840771.0	1.244961	Y



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

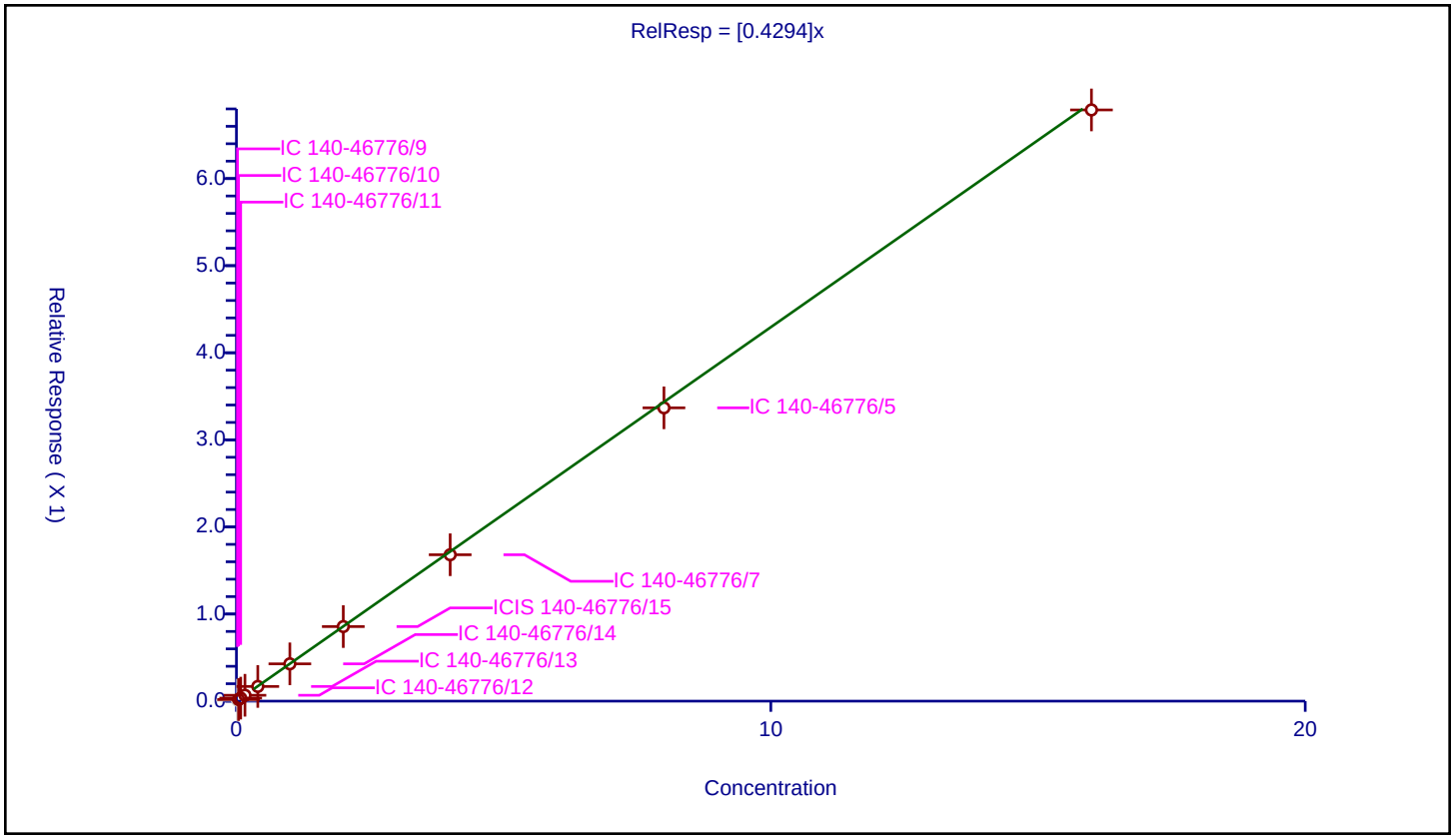
Curve Coefficients

Intercept:	0
Slope:	0.4294

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.011039	4.8	1739215.0	0.551973	N
2	IC 140-46776/10	0.04	0.018608	4.8	1758697.0	0.465208	Y
3	IC 140-46776/11	0.08	0.034682	4.8	1715217.0	0.433519	Y
4	IC 140-46776/12	0.16	0.067509	4.8	1744119.0	0.421932	Y
5	IC 140-46776/13	0.4	0.168751	4.8	1706433.0	0.421877	Y
6	IC 140-46776/14	1.0	0.428277	4.8	1744759.0	0.428277	Y
7	ICIS 140-46776/15	2.0	0.856146	4.8	1797479.0	0.428073	Y
8	IC 140-46776/7	4.0	1.680922	4.8	1867501.0	0.42023	Y
9	IC 140-46776/5	8.0	3.367537	4.8	1901091.0	0.420942	Y
10	IC 140-46776/3	16.0	6.788214	4.8	1840771.0	0.424263	Y



Calibration / 2-Hexanone

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

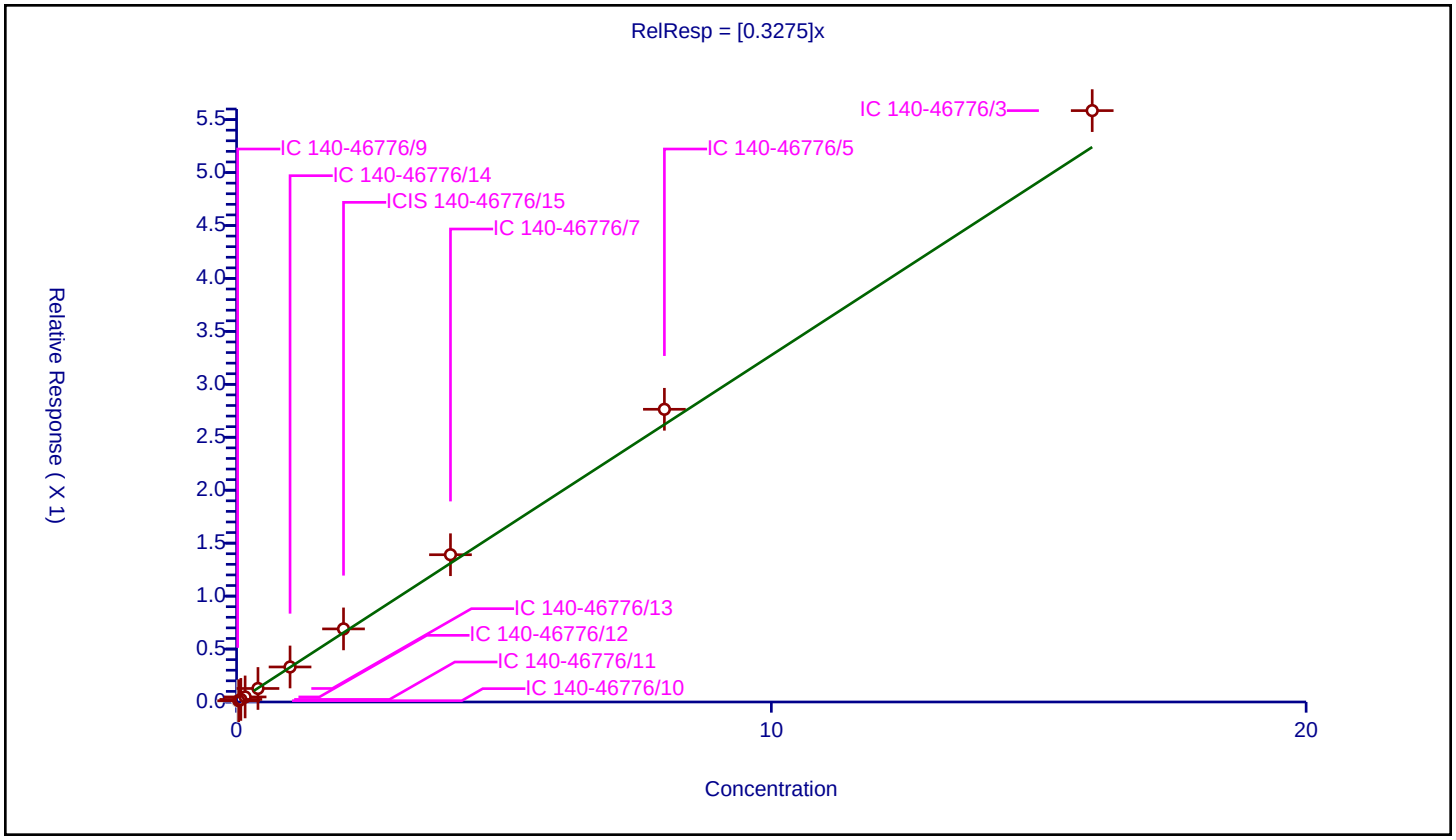
Curve Coefficients

Intercept:	0
Slope:	0.3275

Error Coefficients

Standard Error:	878000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.008037	4.8	1739215.0	0.401836	N
2	IC 140-46776/10	0.04	0.012325	4.8	1758697.0	0.308137	Y
3	IC 140-46776/11	0.08	0.024313	4.8	1715217.0	0.303915	Y
4	IC 140-46776/12	0.16	0.047724	4.8	1744119.0	0.298277	Y
5	IC 140-46776/13	0.4	0.127646	4.8	1706433.0	0.319115	Y
6	IC 140-46776/14	1.0	0.33091	4.8	1744759.0	0.33091	Y
7	ICIS 140-46776/15	2.0	0.690271	4.8	1797479.0	0.345135	Y
8	IC 140-46776/7	4.0	1.390848	4.8	1867501.0	0.347712	Y
9	IC 140-46776/5	8.0	2.764175	4.8	1901091.0	0.345522	Y
10	IC 140-46776/3	16.0	5.584938	4.8	1840771.0	0.349059	Y



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

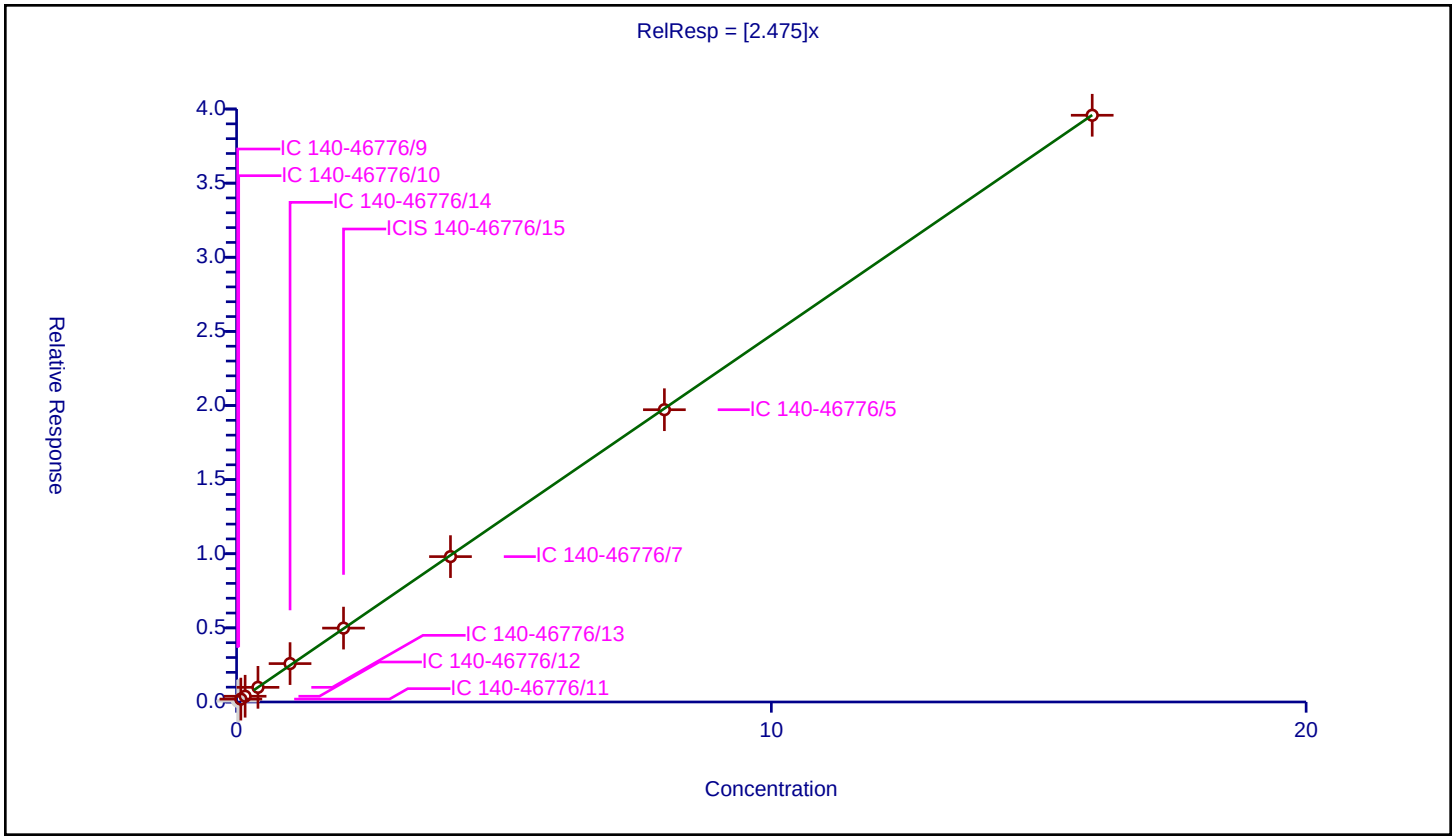
Curve Coefficients

Intercept:	0
Slope:	2.475

Error Coefficients

Standard Error:	7330000
Relative Standard Error:	2.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.056376	4.8	2028520.0	2.818804	N
2	IC 140-46776/10	0.04	0.099542	4.8	2045241.0	2.488548	N
3	IC 140-46776/11	0.08	0.194333	4.8	1997257.0	2.429162	Y
4	IC 140-46776/12	0.16	0.38788	4.8	2021205.0	2.424247	Y
5	IC 140-46776/13	0.4	0.988669	4.8	1967324.0	2.471672	Y
6	IC 140-46776/14	1.0	2.589646	4.8	2001835.0	2.589646	Y
7	ICIS 140-46776/15	2.0	4.983311	4.8	2044363.0	2.491656	Y
8	IC 140-46776/7	4.0	9.806961	4.8	2118872.0	2.45174	Y
9	IC 140-46776/5	8.0	19.717028	4.8	2124392.0	2.464628	Y
10	IC 140-46776/3	16.0	39.579635	4.8	2011533.0	2.473727	Y



Calibration / n-Octane

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

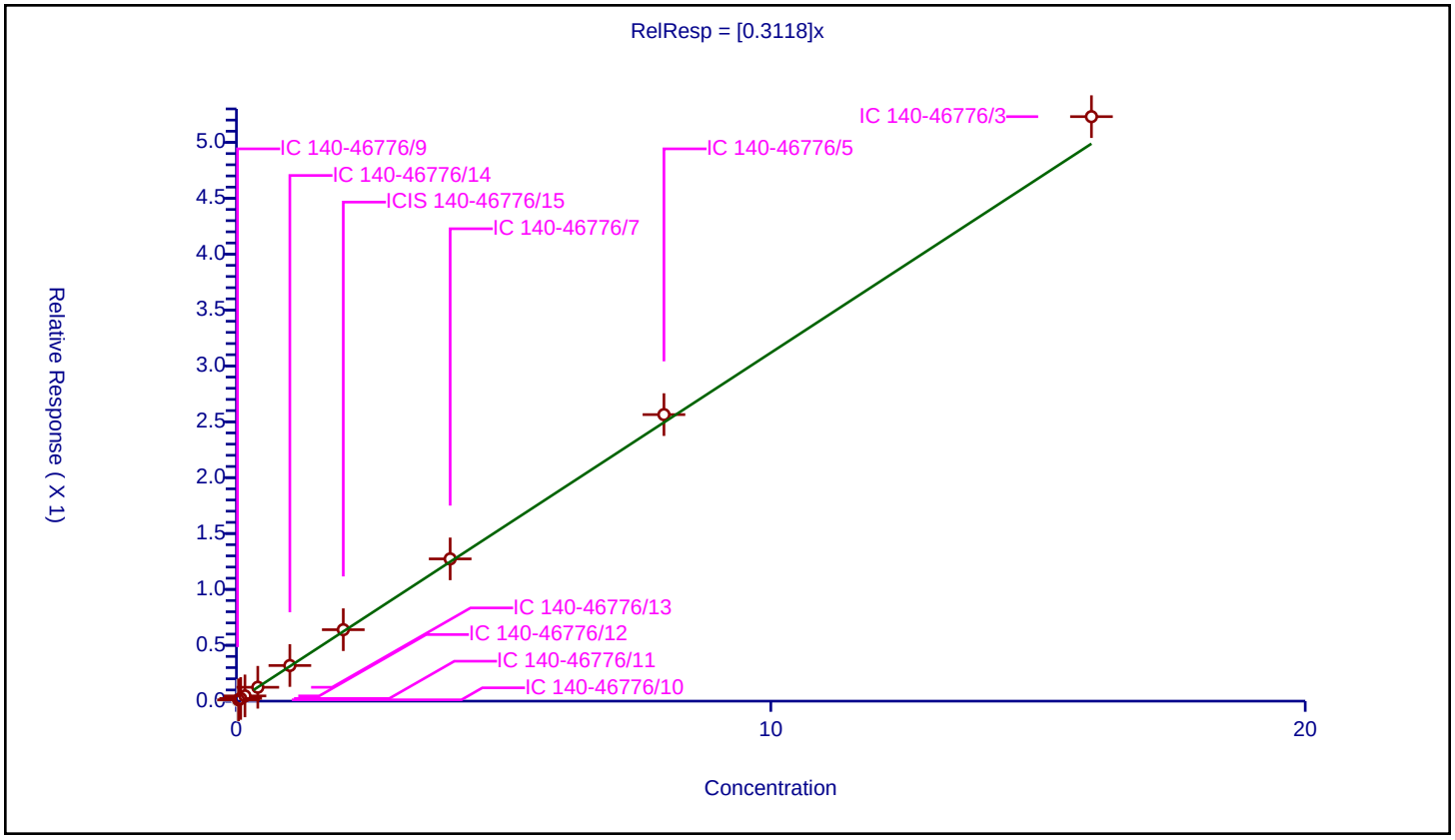
Curve Coefficients

Intercept:	0
Slope:	0.3118

Error Coefficients

Standard Error:	820000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.006958	4.8	1739215.0	0.347881	N
2	IC 140-46776/10	0.04	0.01202	4.8	1758697.0	0.300495	Y
3	IC 140-46776/11	0.08	0.02384	4.8	1715217.0	0.298003	Y
4	IC 140-46776/12	0.16	0.046926	4.8	1744119.0	0.293288	Y
5	IC 140-46776/13	0.4	0.124017	4.8	1706433.0	0.310043	Y
6	IC 140-46776/14	1.0	0.318706	4.8	1744759.0	0.318706	Y
7	ICIS 140-46776/15	2.0	0.639464	4.8	1797479.0	0.319732	Y
8	IC 140-46776/7	4.0	1.273021	4.8	1867501.0	0.318255	Y
9	IC 140-46776/5	8.0	2.564357	4.8	1901091.0	0.320545	Y
10	IC 140-46776/3	16.0	5.230609	4.8	1840771.0	0.326913	Y



Calibration / Chlorodibromomethane

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

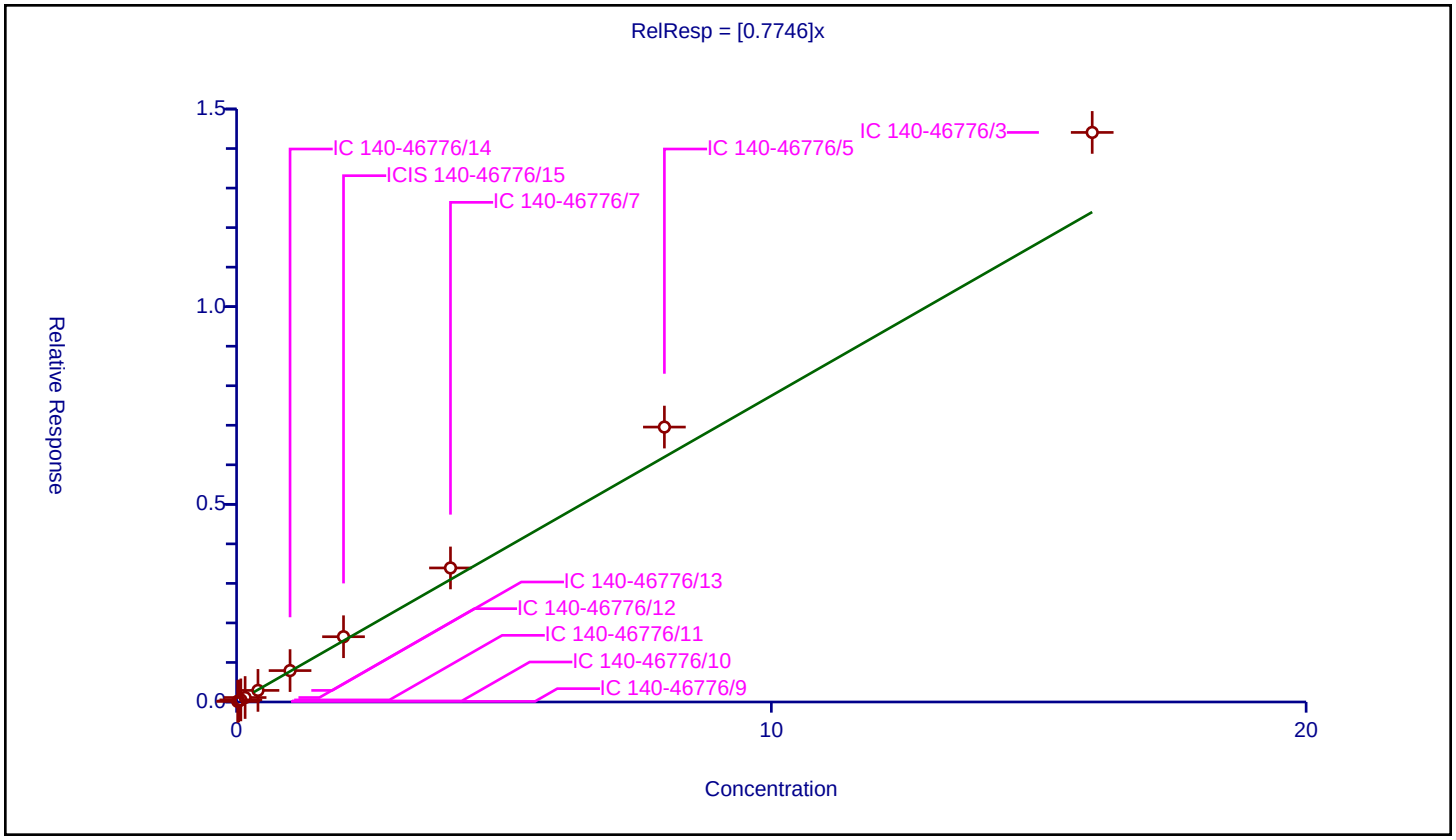
Curve Coefficients

Intercept:	0
Slope:	0.7746

Error Coefficients

Standard Error:	2120000
Relative Standard Error:	11.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.014975	4.8	1739215.0	0.748752	Y
2	IC 140-46776/10	0.04	0.026529	4.8	1758697.0	0.663218	Y
3	IC 140-46776/11	0.08	0.052684	4.8	1715217.0	0.658552	Y
4	IC 140-46776/12	0.16	0.112886	4.8	1744119.0	0.705537	Y
5	IC 140-46776/13	0.4	0.293013	4.8	1706433.0	0.732532	Y
6	IC 140-46776/14	1.0	0.794453	4.8	1744759.0	0.794453	Y
7	ICIS 140-46776/15	2.0	1.651067	4.8	1797479.0	0.825534	Y
8	IC 140-46776/7	4.0	3.390908	4.8	1867501.0	0.847727	Y
9	IC 140-46776/5	8.0	6.954269	4.8	1901091.0	0.869284	Y
10	IC 140-46776/3	16.0	14.407604	4.8	1840771.0	0.900475	Y



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

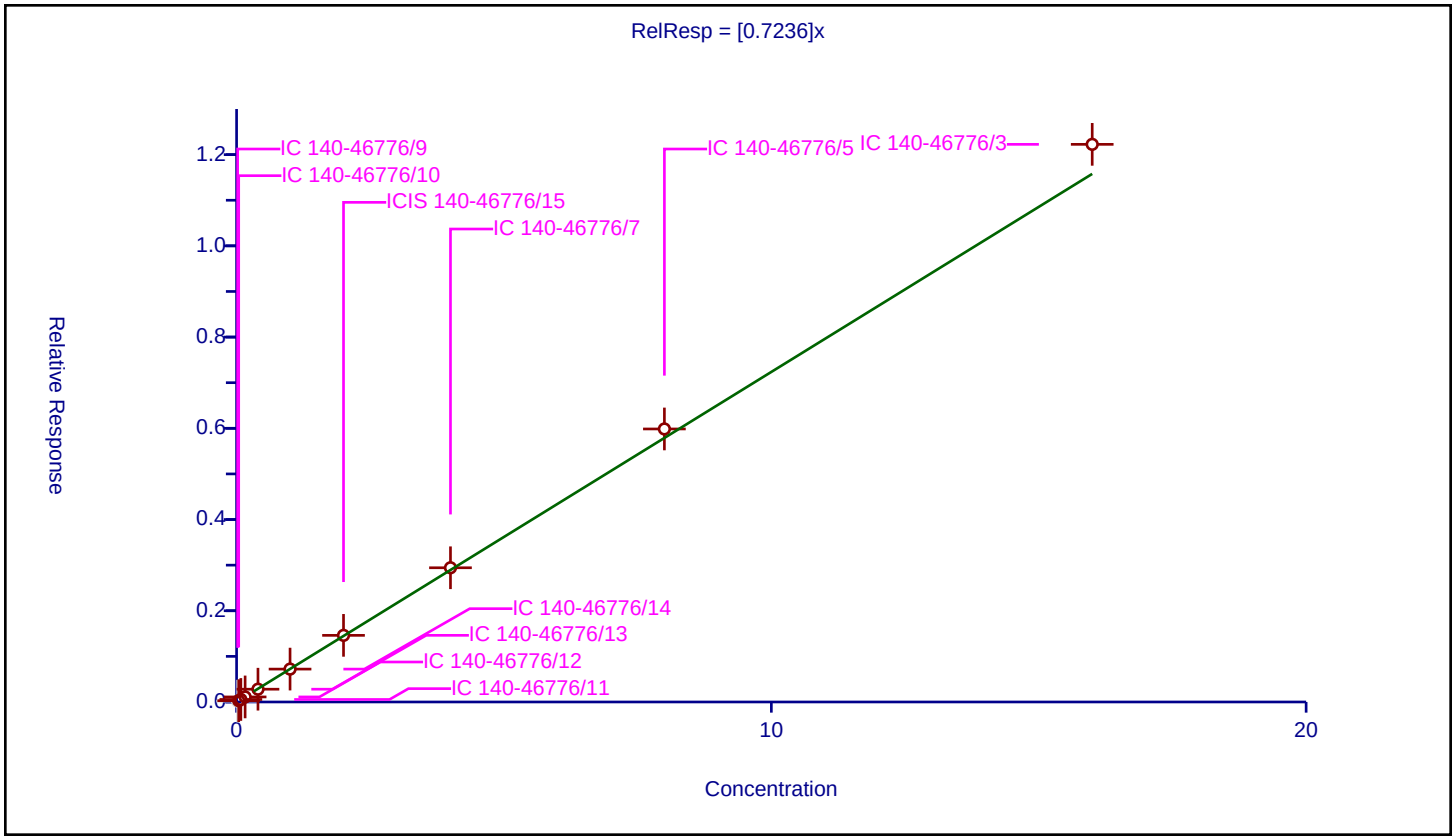
Curve Coefficients

Intercept:	0
Slope:	0.7236

Error Coefficients

Standard Error:	1910000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.018372	4.8	1739215.0	0.918621	N
2	IC 140-46776/10	0.04	0.029086	4.8	1758697.0	0.727152	Y
3	IC 140-46776/11	0.08	0.055365	4.8	1715217.0	0.692064	Y
4	IC 140-46776/12	0.16	0.110808	4.8	1744119.0	0.69255	Y
5	IC 140-46776/13	0.4	0.28054	4.8	1706433.0	0.701351	Y
6	IC 140-46776/14	1.0	0.7212	4.8	1744759.0	0.7212	Y
7	ICIS 140-46776/15	2.0	1.460603	4.8	1797479.0	0.730301	Y
8	IC 140-46776/7	4.0	2.942431	4.8	1867501.0	0.735608	Y
9	IC 140-46776/5	8.0	5.985442	4.8	1901091.0	0.74818	Y
10	IC 140-46776/3	16.0	12.225541	4.8	1840771.0	0.764096	Y



Calibration / Tetrachloroethene

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

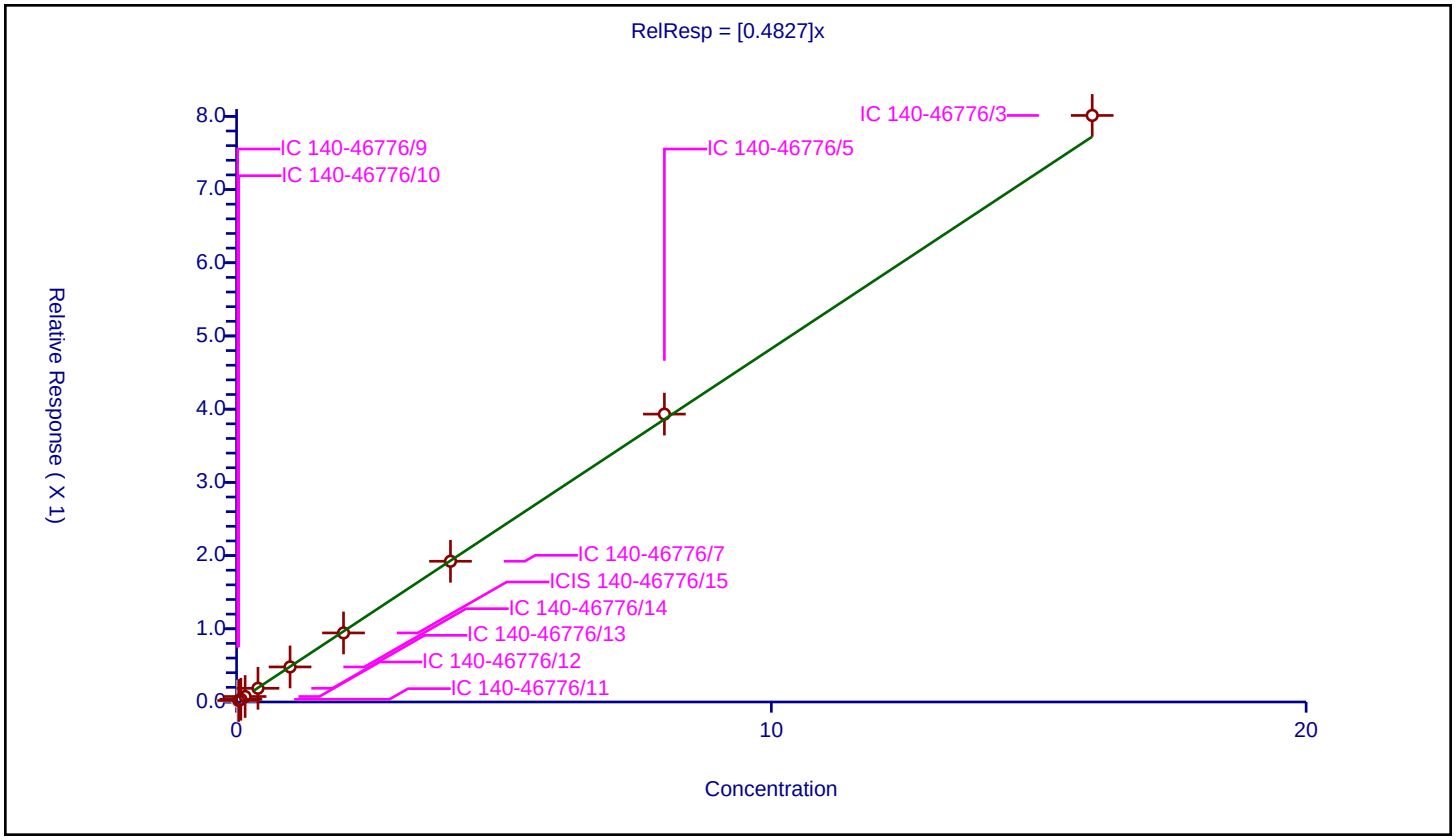
Curve Coefficients

Intercept:	0
Slope:	0.4827

Error Coefficients

Standard Error:	1250000
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 140-46776/9	0.02	0.012323	4.8	1739215.0	0.61614	N
2	IC 140-46776/10	0.04	0.020631	4.8	1758697.0	0.515768	Y
3	IC 140-46776/11	0.08	0.037474	4.8	1715217.0	0.468431	Y
4	IC 140-46776/12	0.16	0.074954	4.8	1744119.0	0.46846	Y
5	IC 140-46776/13	0.4	0.187192	4.8	1706433.0	0.46798	Y
6	IC 140-46776/14	1.0	0.478682	4.8	1744759.0	0.478682	Y
7	ICIS 140-46776/15	2.0	0.94323	4.8	1797479.0	0.471615	Y
8	IC 140-46776/7	4.0	1.922302	4.8	1867501.0	0.480575	Y
9	IC 140-46776/5	8.0	3.932549	4.8	1901091.0	0.491569	Y
10	IC 140-46776/3	16.0	8.012322	4.8	1840771.0	0.50077	Y



Calibration / Chlorobenzene

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

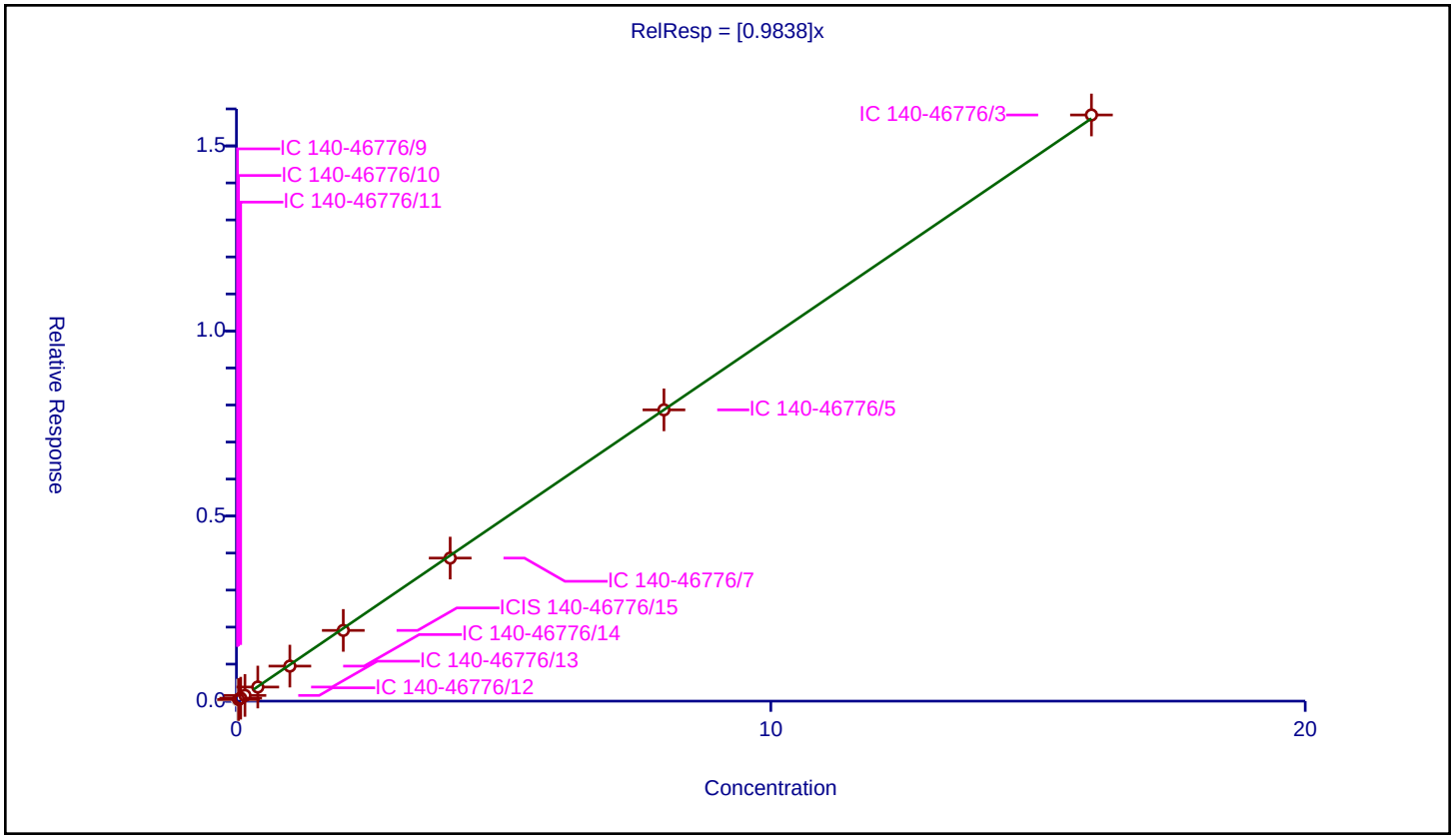
Curve Coefficients

Intercept:	0
Slope:	0.9838

Error Coefficients

Standard Error:	2490000
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 140-46776/9	0.02	0.027704	4.8	1739215.0	1.385177	N
2	IC 140-46776/10	0.04	0.044307	4.8	1758697.0	1.107684	Y
3	IC 140-46776/11	0.08	0.079259	4.8	1715217.0	0.990732	Y
4	IC 140-46776/12	0.16	0.153983	4.8	1744119.0	0.962394	Y
5	IC 140-46776/13	0.4	0.380713	4.8	1706433.0	0.951782	Y
6	IC 140-46776/14	1.0	0.946438	4.8	1744759.0	0.946438	Y
7	ICIS 140-46776/15	2.0	1.911034	4.8	1797479.0	0.955517	Y
8	IC 140-46776/7	4.0	3.86494	4.8	1867501.0	0.966235	Y
9	IC 140-46776/5	8.0	7.869273	4.8	1901091.0	0.983659	Y
10	IC 140-46776/3	16.0	15.83626	4.8	1840771.0	0.989766	Y



Calibration / Ethylbenzene

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

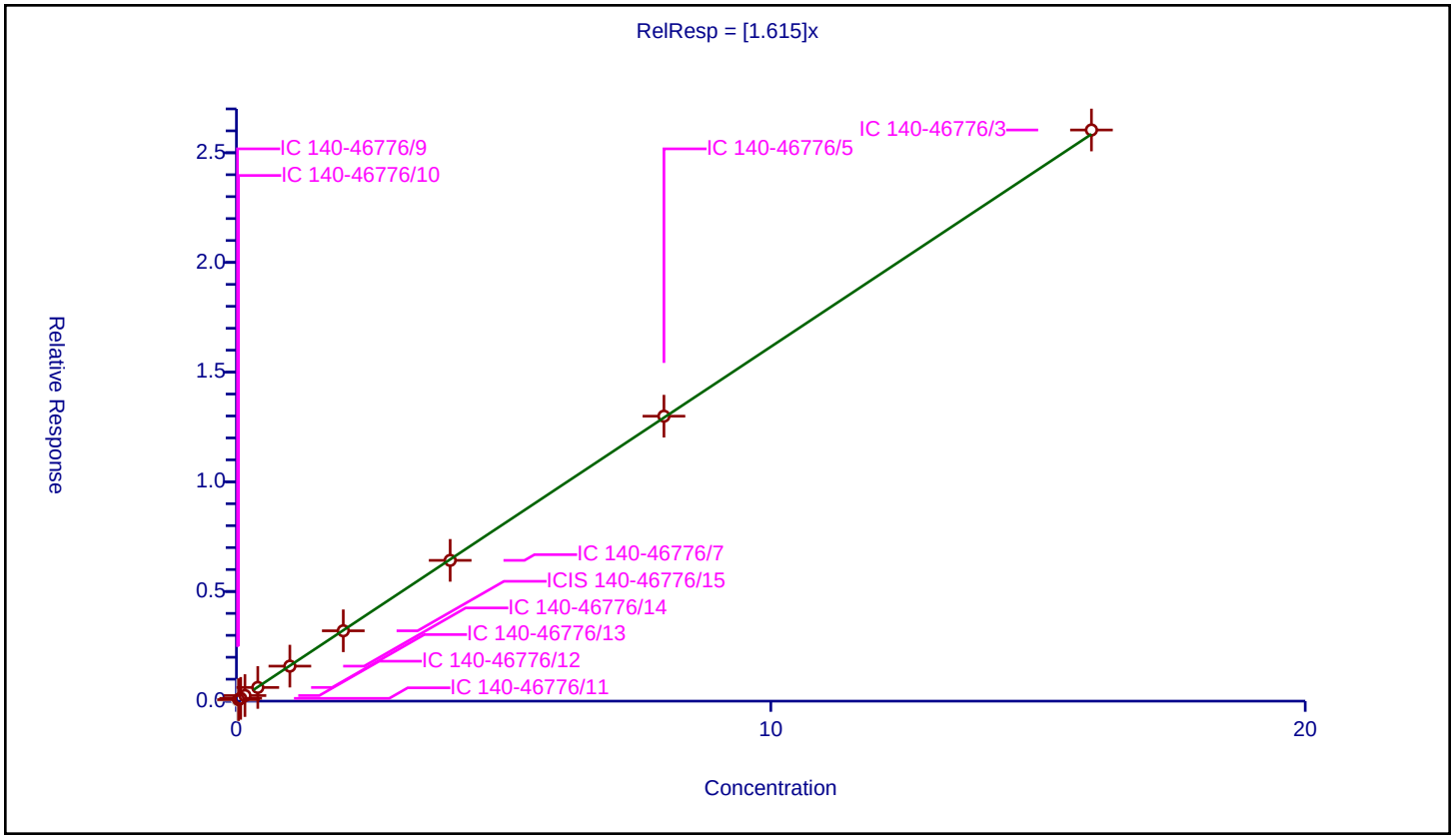
Curve Coefficients

Intercept:	0
Slope:	1.615

Error Coefficients

Standard Error:	4100000
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 140-46776/9	0.02	0.042902	4.8	1739215.0	2.145106	N
2	IC 140-46776/10	0.04	0.070255	4.8	1758697.0	1.756368	Y
3	IC 140-46776/11	0.08	0.126304	4.8	1715217.0	1.578797	Y
4	IC 140-46776/12	0.16	0.254432	4.8	1744119.0	1.590201	Y
5	IC 140-46776/13	0.4	0.623406	4.8	1706433.0	1.558514	Y
6	IC 140-46776/14	1.0	1.596266	4.8	1744759.0	1.596266	Y
7	ICIS 140-46776/15	2.0	3.207012	4.8	1797479.0	1.603506	Y
8	IC 140-46776/7	4.0	6.417323	4.8	1867501.0	1.604331	Y
9	IC 140-46776/5	8.0	12.991201	4.8	1901091.0	1.6239	Y
10	IC 140-46776/3	16.0	26.038835	4.8	1840771.0	1.627427	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

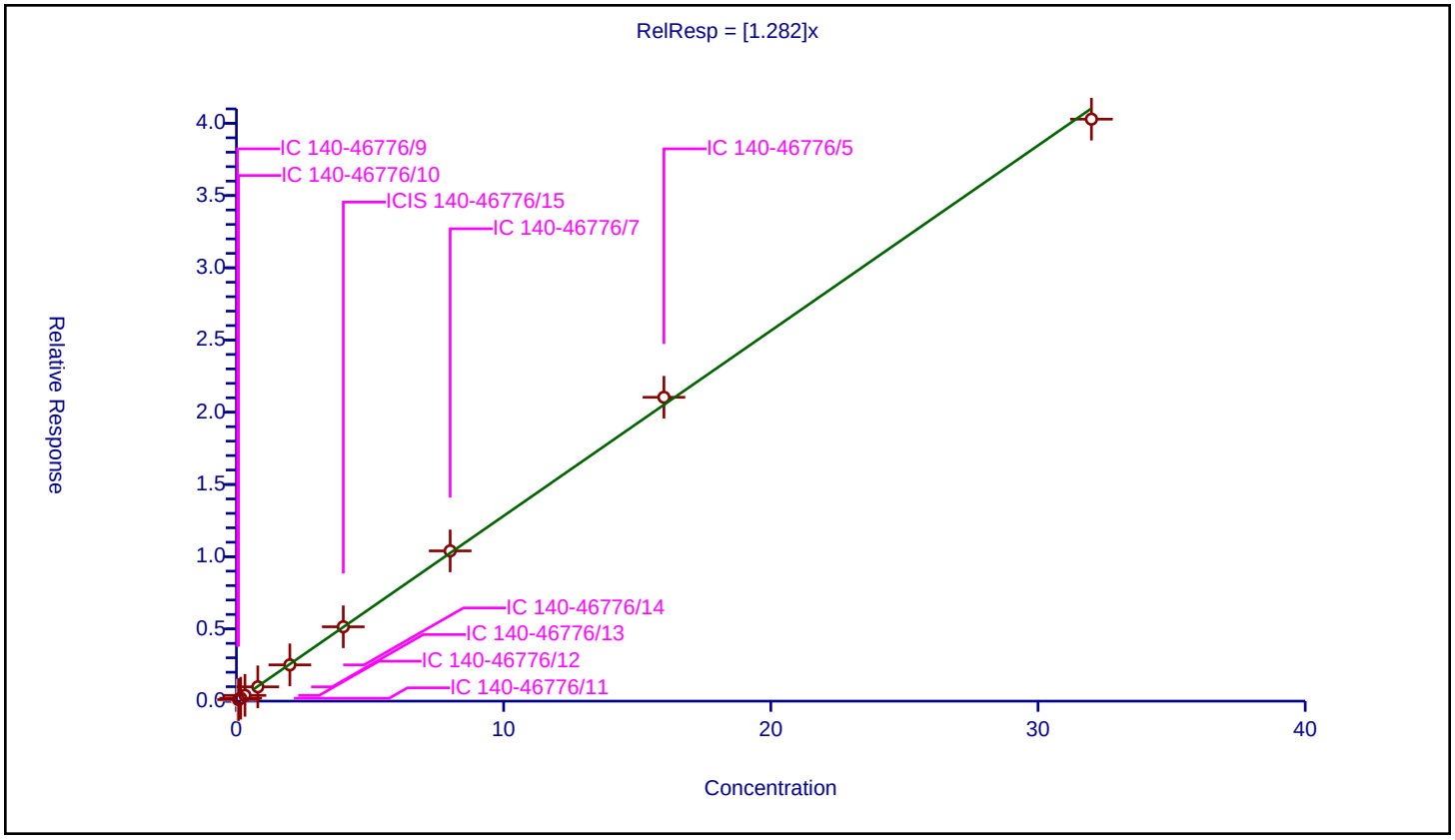
Curve Coefficients

Intercept:	0
Slope:	1.282

Error Coefficients

Standard Error:	6410000
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 140-46776/9	0.04	0.065872	4.8	1739215.0	1.646812	N
2	IC 140-46776/10	0.08	0.109256	4.8	1758697.0	1.365704	Y
3	IC 140-46776/11	0.16	0.203704	4.8	1715217.0	1.273151	Y
4	IC 140-46776/12	0.32	0.39864	4.8	1744119.0	1.245749	Y
5	IC 140-46776/13	0.8	0.990591	4.8	1706433.0	1.238239	Y
6	IC 140-46776/14	2.0	2.512087	4.8	1744759.0	1.256043	Y
7	ICIS 140-46776/15	4.0	5.147065	4.8	1797479.0	1.286766	Y
8	IC 140-46776/7	8.0	10.402179	4.8	1867501.0	1.300272	Y
9	IC 140-46776/5	16.0	21.035623	4.8	1901091.0	1.314726	Y
10	IC 140-46776/3	32.0	40.288726	4.8	1840771.0	1.259023	Y



Calibration / n-Nonane

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

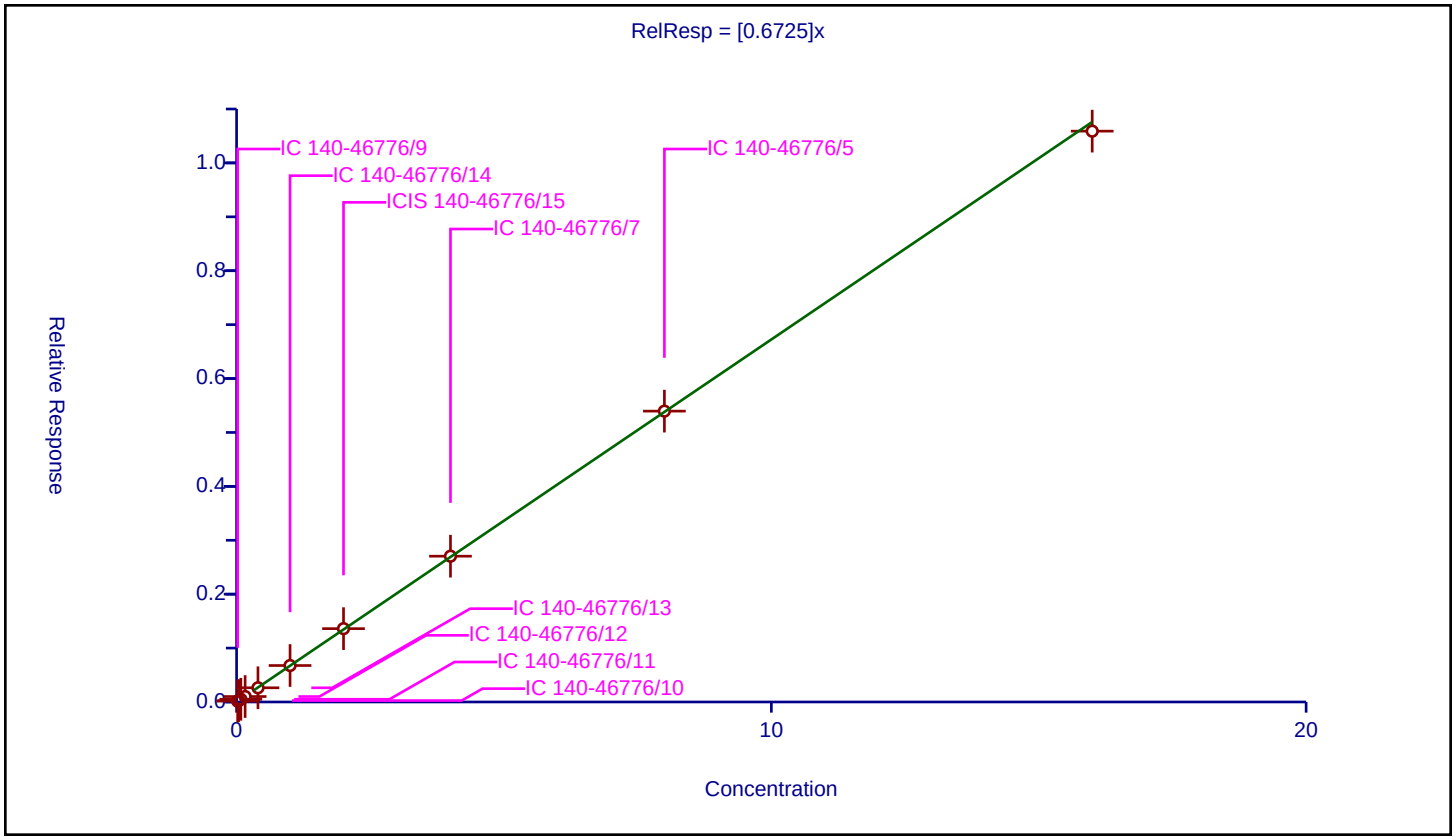
Curve Coefficients

Intercept:	0
Slope:	0.6725

Error Coefficients

Standard Error:	1580000
Relative Standard Error:	5.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.015348	4.8	1739215.0	0.767381	Y
2	IC 140-46776/10	0.04	0.026477	4.8	1758697.0	0.661922	Y
3	IC 140-46776/11	0.08	0.050689	4.8	1715217.0	0.633611	Y
4	IC 140-46776/12	0.16	0.101396	4.8	1744119.0	0.633724	Y
5	IC 140-46776/13	0.4	0.263618	4.8	1706433.0	0.659045	Y
6	IC 140-46776/14	1.0	0.67639	4.8	1744759.0	0.67639	Y
7	ICIS 140-46776/15	2.0	1.360698	4.8	1797479.0	0.680349	Y
8	IC 140-46776/7	4.0	2.704633	4.8	1867501.0	0.676158	Y
9	IC 140-46776/5	8.0	5.395916	4.8	1901091.0	0.67449	Y
10	IC 140-46776/3	16.0	10.589236	4.8	1840771.0	0.661827	Y



Calibration / Bromoform

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

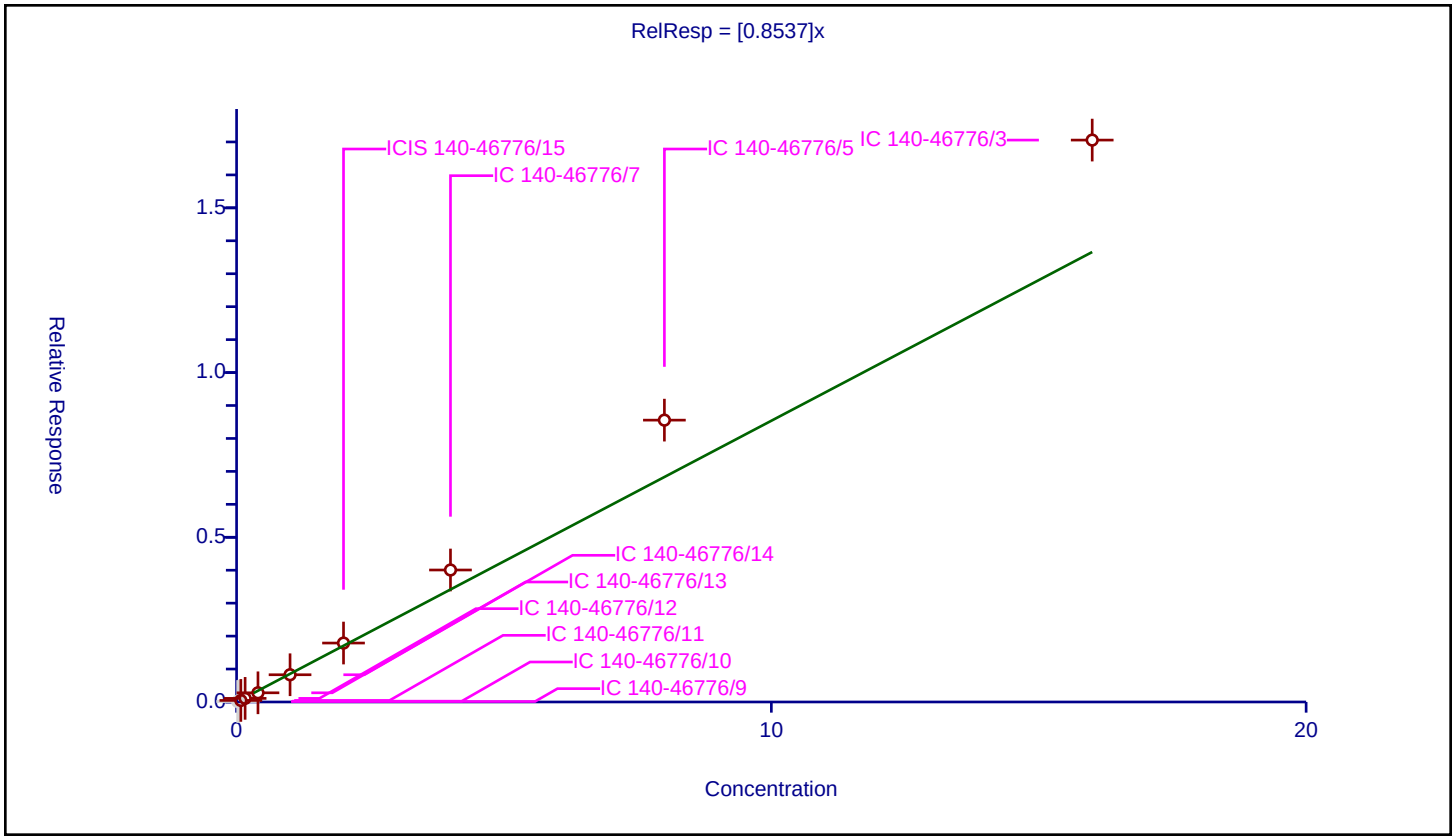
Curve Coefficients

Intercept:	0
Slope:	0.8537

Error Coefficients

Standard Error:	2860000
Relative Standard Error:	21.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.952

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.015005	4.8	1739215.0	0.75027	N
2	IC 140-46776/10	0.04	0.025039	4.8	1758697.0	0.625963	N
3	IC 140-46776/11	0.08	0.047303	4.8	1715217.0	0.591284	Y
4	IC 140-46776/12	0.16	0.109283	4.8	1744119.0	0.683021	Y
5	IC 140-46776/13	0.4	0.278585	4.8	1706433.0	0.696463	Y
6	IC 140-46776/14	1.0	0.827024	4.8	1744759.0	0.827024	Y
7	ICIS 140-46776/15	2.0	1.788948	4.8	1797479.0	0.894474	Y
8	IC 140-46776/7	4.0	4.006295	4.8	1867501.0	1.001574	Y
9	IC 140-46776/5	8.0	8.555685	4.8	1901091.0	1.069461	Y
10	IC 140-46776/3	16.0	17.057262	4.8	1840771.0	1.066079	Y



Calibration / Styrene

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

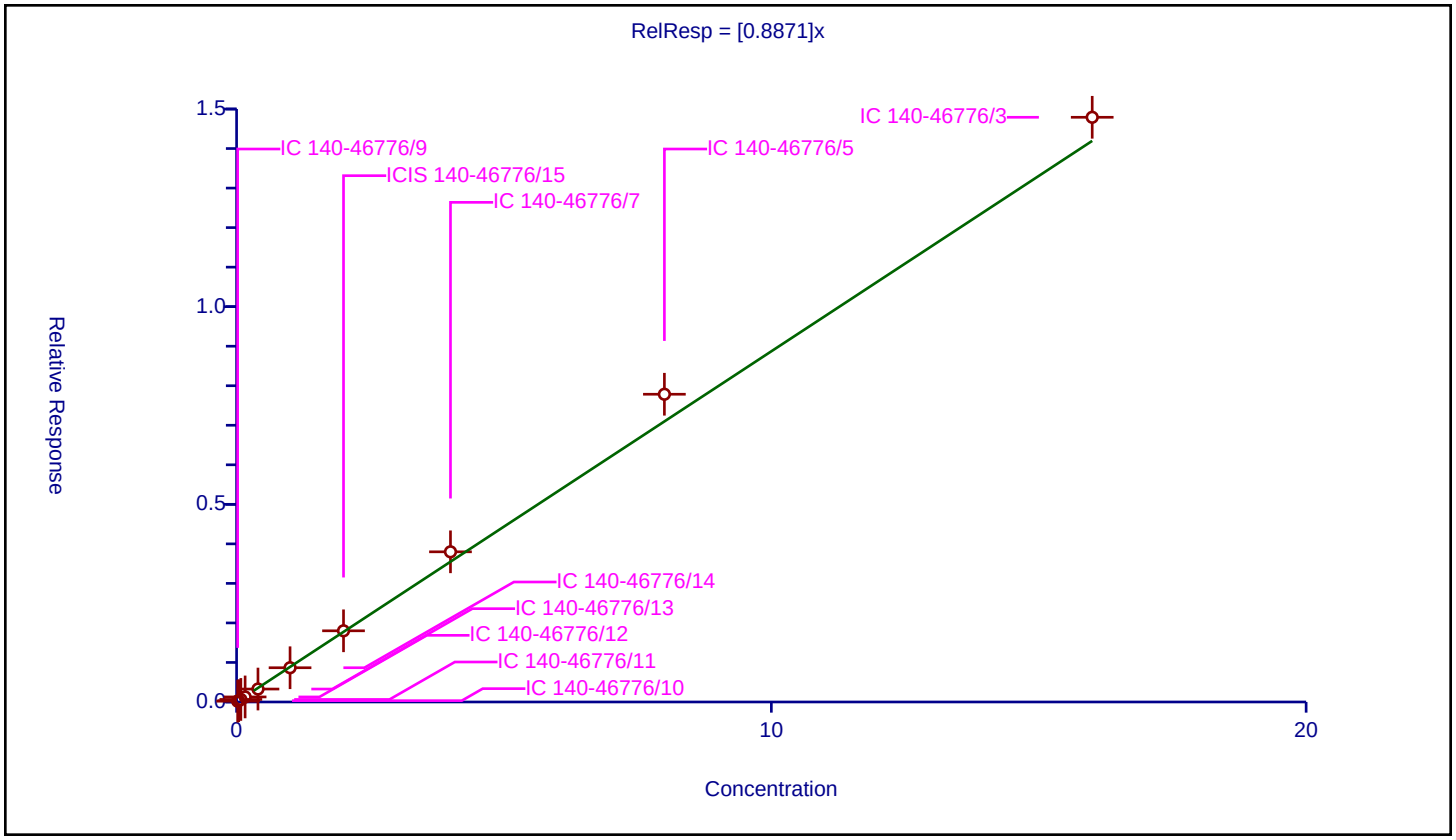
Curve Coefficients

Intercept:	0
Slope:	0.8871

Error Coefficients

Standard Error:	2220000
Relative Standard Error:	8.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.01986	4.8	1739215.0	0.993	Y
2	IC 140-46776/10	0.04	0.033581	4.8	1758697.0	0.839531	Y
3	IC 140-46776/11	0.08	0.064469	4.8	1715217.0	0.805857	Y
4	IC 140-46776/12	0.16	0.127984	4.8	1744119.0	0.7999	Y
5	IC 140-46776/13	0.4	0.327583	4.8	1706433.0	0.818957	Y
6	IC 140-46776/14	1.0	0.866298	4.8	1744759.0	0.866298	Y
7	ICIS 140-46776/15	2.0	1.800575	4.8	1797479.0	0.900288	Y
8	IC 140-46776/7	4.0	3.798634	4.8	1867501.0	0.949659	Y
9	IC 140-46776/5	8.0	7.784546	4.8	1901091.0	0.973068	Y
10	IC 140-46776/3	16.0	14.790903	4.8	1840771.0	0.924431	Y



Calibration / o-Xylene

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

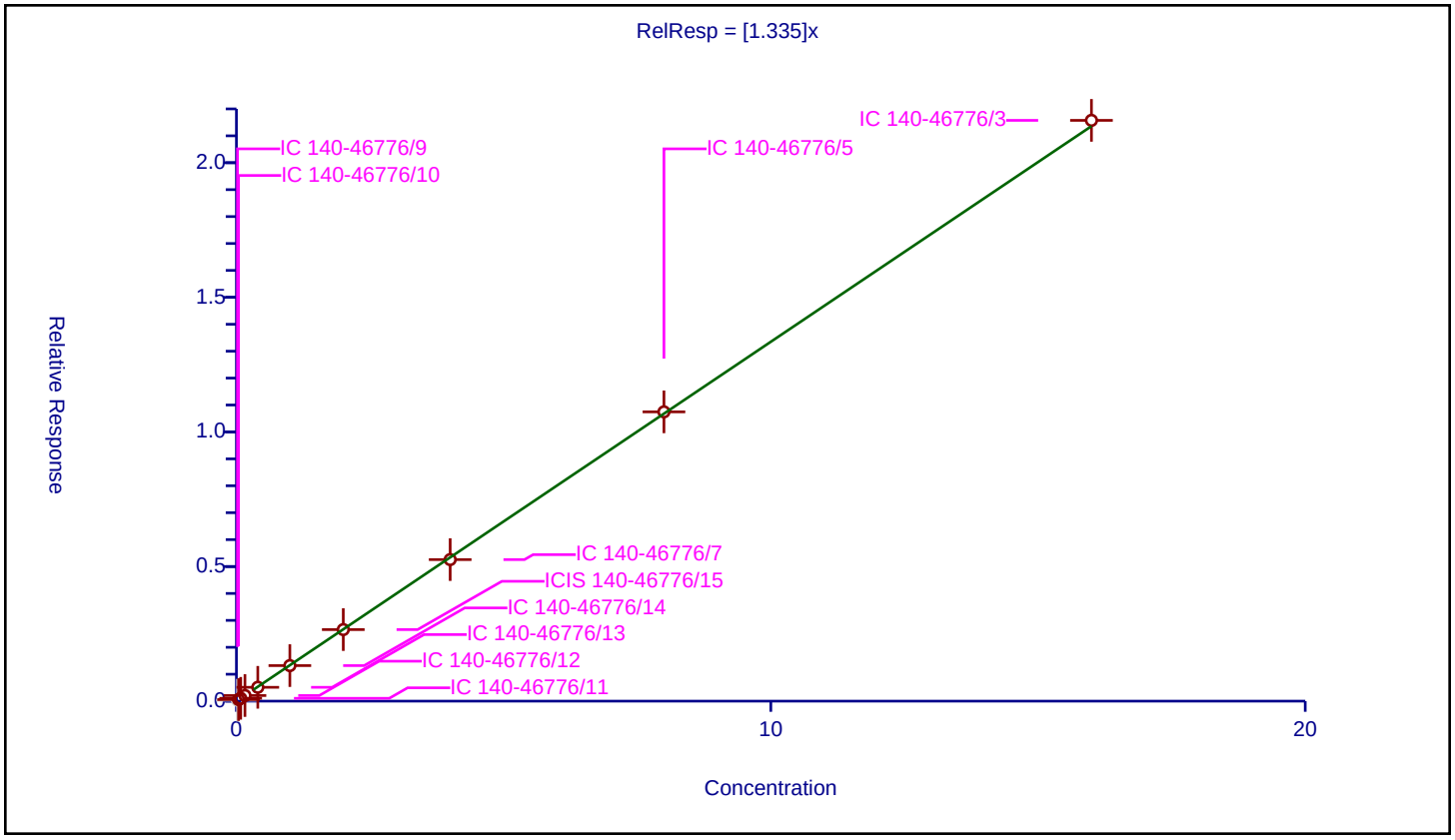
Curve Coefficients

Intercept:	0
Slope:	1.335

Error Coefficients

Standard Error:	3390000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.03521	4.8	1739215.0	1.760518	N
2	IC 140-46776/10	0.04	0.058396	4.8	1758697.0	1.459899	Y
3	IC 140-46776/11	0.08	0.105019	4.8	1715217.0	1.312732	Y
4	IC 140-46776/12	0.16	0.208092	4.8	1744119.0	1.300576	Y
5	IC 140-46776/13	0.4	0.514269	4.8	1706433.0	1.285671	Y
6	IC 140-46776/14	1.0	1.32027	4.8	1744759.0	1.32027	Y
7	ICIS 140-46776/15	2.0	2.657519	4.8	1797479.0	1.32876	Y
8	IC 140-46776/7	4.0	5.257888	4.8	1867501.0	1.314472	Y
9	IC 140-46776/5	8.0	10.745509	4.8	1901091.0	1.343189	Y
10	IC 140-46776/3	16.0	21.573594	4.8	1840771.0	1.34835	Y



Calibration / 1,1,2,2-Tetrachloroethane

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

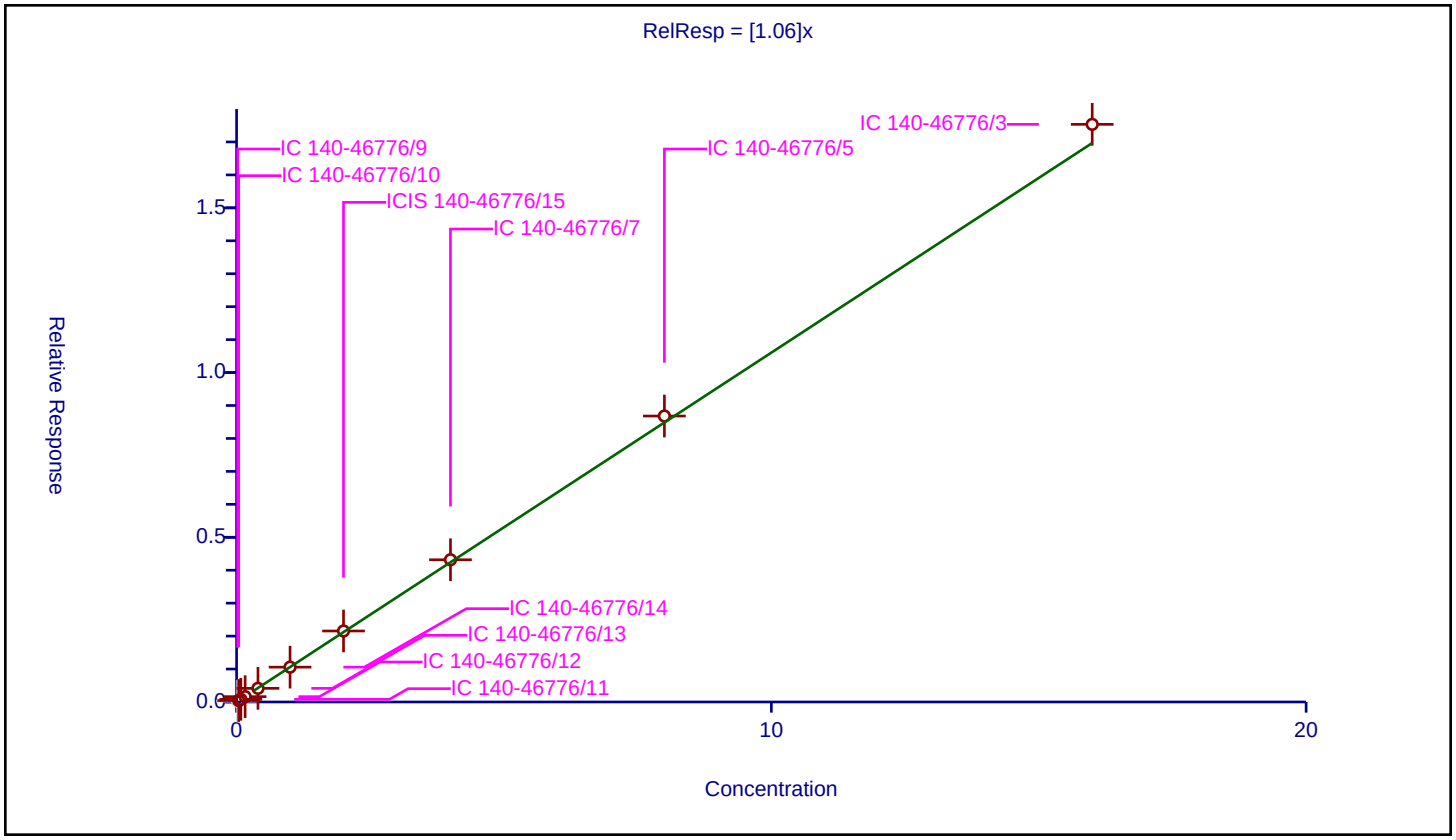
Curve Coefficients

Intercept:	0
Slope:	1.06

Error Coefficients

Standard Error:	2750000
Relative Standard Error:	2.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.026125	4.8	1739215.0	1.306244	N
2	IC 140-46776/10	0.04	0.043101	4.8	1758697.0	1.077525	Y
3	IC 140-46776/11	0.08	0.081604	4.8	1715217.0	1.020046	Y
4	IC 140-46776/12	0.16	0.162663	4.8	1744119.0	1.016645	Y
5	IC 140-46776/13	0.4	0.413834	4.8	1706433.0	1.034586	Y
6	IC 140-46776/14	1.0	1.057183	4.8	1744759.0	1.057183	Y
7	ICIS 140-46776/15	2.0	2.155598	4.8	1797479.0	1.077799	Y
8	IC 140-46776/7	4.0	4.317247	4.8	1867501.0	1.079312	Y
9	IC 140-46776/5	8.0	8.680805	4.8	1901091.0	1.085101	Y
10	IC 140-46776/3	16.0	17.534467	4.8	1840771.0	1.095904	Y



Calibration / 1,2,3-Trichloropropane

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

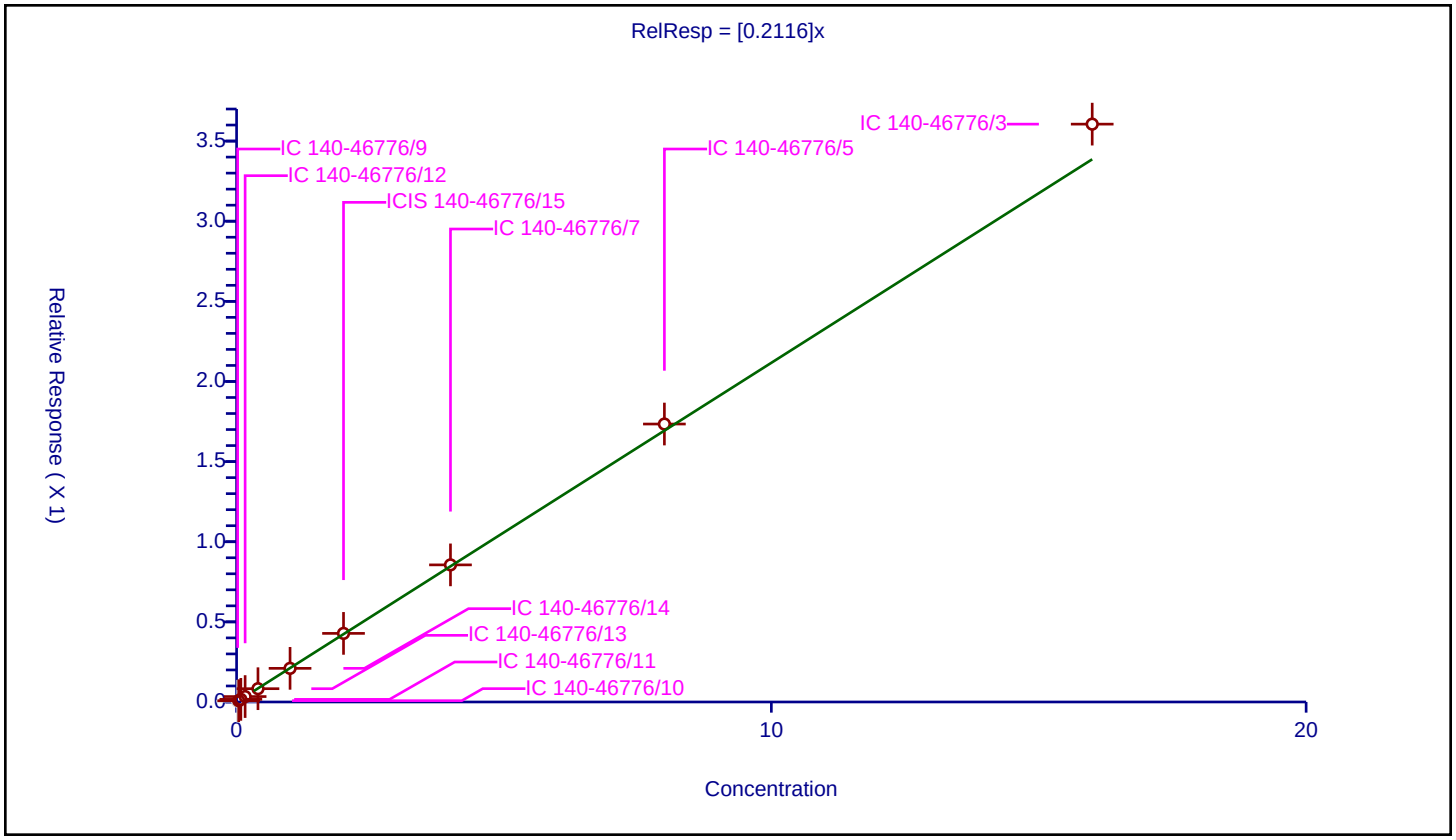
Curve Coefficients

Intercept:	0
Slope:	0.2116

Error Coefficients

Standard Error:	562000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.004971	4.8	1739215.0	0.248526	N
2	IC 140-46776/10	0.04	0.008021	4.8	1758697.0	0.200535	Y
3	IC 140-46776/11	0.08	0.016438	4.8	1715217.0	0.205478	Y
4	IC 140-46776/12	0.16	0.033862	4.8	1744119.0	0.211637	Y
5	IC 140-46776/13	0.4	0.08287	4.8	1706433.0	0.207176	Y
6	IC 140-46776/14	1.0	0.209851	4.8	1744759.0	0.209851	Y
7	ICIS 140-46776/15	2.0	0.428021	4.8	1797479.0	0.21401	Y
8	IC 140-46776/7	4.0	0.855441	4.8	1867501.0	0.21386	Y
9	IC 140-46776/5	8.0	1.734447	4.8	1901091.0	0.216806	Y
10	IC 140-46776/3	16.0	3.605702	4.8	1840771.0	0.225356	Y



Calibration / Isopropylbenzene

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

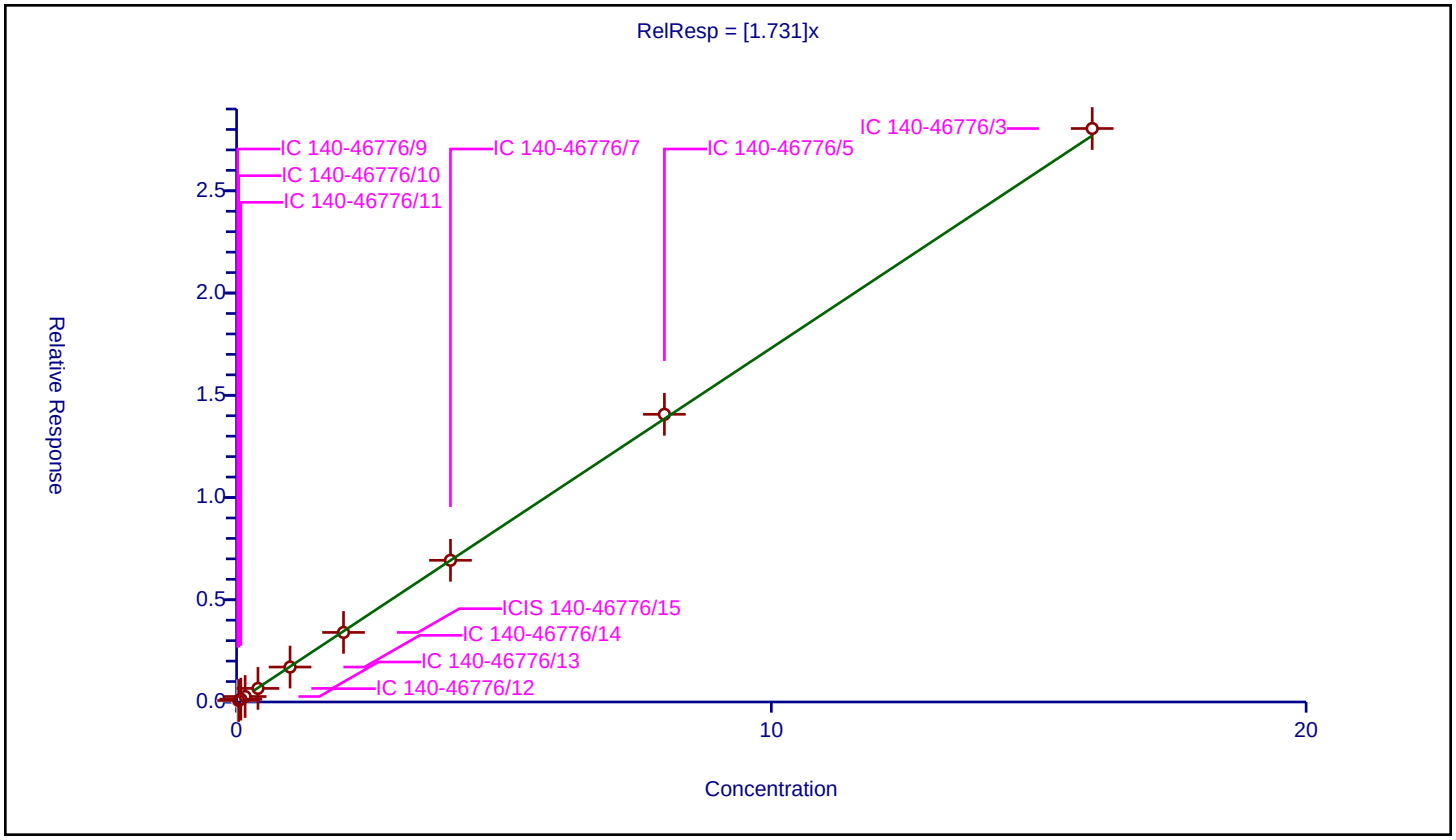
Curve Coefficients

Intercept:	0
Slope:	1.731

Error Coefficients

Standard Error:	4420000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.049534	4.8	1739215.0	2.476704	N
2	IC 140-46776/10	0.04	0.074286	4.8	1758697.0	1.857148	Y
3	IC 140-46776/11	0.08	0.13853	4.8	1715217.0	1.731629	Y
4	IC 140-46776/12	0.16	0.268443	4.8	1744119.0	1.67777	Y
5	IC 140-46776/13	0.4	0.663998	4.8	1706433.0	1.659996	Y
6	IC 140-46776/14	1.0	1.708761	4.8	1744759.0	1.708761	Y
7	ICIS 140-46776/15	2.0	3.401951	4.8	1797479.0	1.700976	Y
8	IC 140-46776/7	4.0	6.929451	4.8	1867501.0	1.732363	Y
9	IC 140-46776/5	8.0	14.06999	4.8	1901091.0	1.758749	Y
10	IC 140-46776/3	16.0	28.046763	4.8	1840771.0	1.752923	Y



Calibration / 4-Bromofluorobenzene (Surr)

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

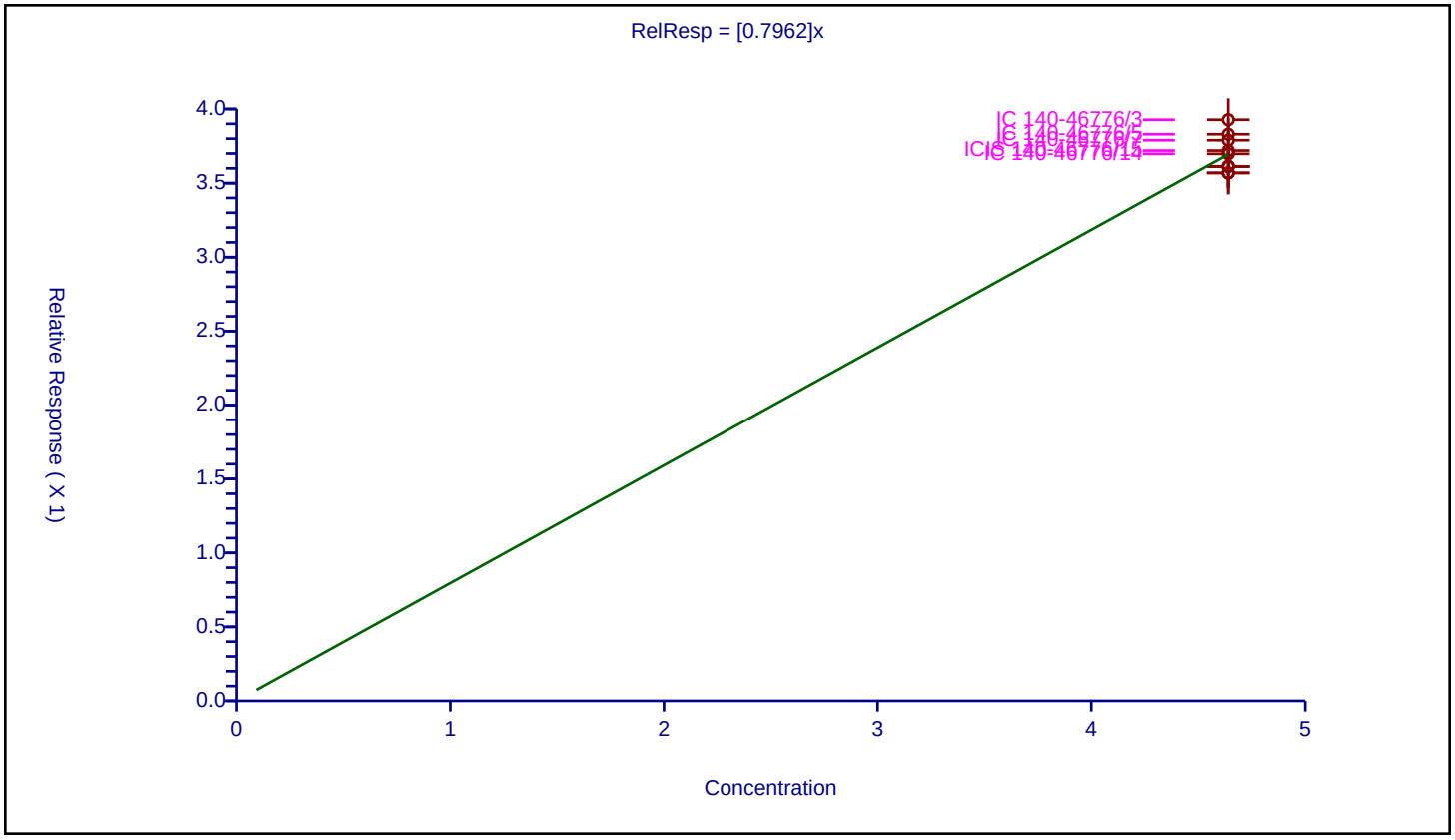
Curve Coefficients

Intercept:	0
Slope:	0.7962

Error Coefficients

Standard Error:	1450000
Relative Standard Error:	3.3
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/3	4.64	3.927697	4.8	1840771.0	0.846486	Y
2	IC 140-46776/5	4.64	3.829775	4.8	1901091.0	0.825382	Y
3	IC 140-46776/7	4.64	3.789376	4.8	1867501.0	0.816676	Y
4	IC 140-46776/9	4.64	3.568217	4.8	1739215.0	0.769012	Y
5	IC 140-46776/10	4.64	3.569927	4.8	1758697.0	0.769381	Y
6	IC 140-46776/11	4.64	3.612513	4.8	1715217.0	0.778559	Y
7	IC 140-46776/12	4.64	3.613691	4.8	1744119.0	0.778813	Y
8	IC 140-46776/13	4.64	3.61312	4.8	1706433.0	0.77869	Y
9	IC 140-46776/14	4.64	3.697542	4.8	1744759.0	0.796884	Y
10	ICIS 140-46776/15	4.64	3.719807	4.8	1797479.0	0.801683	Y



Calibration / N-Propylbenzene

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

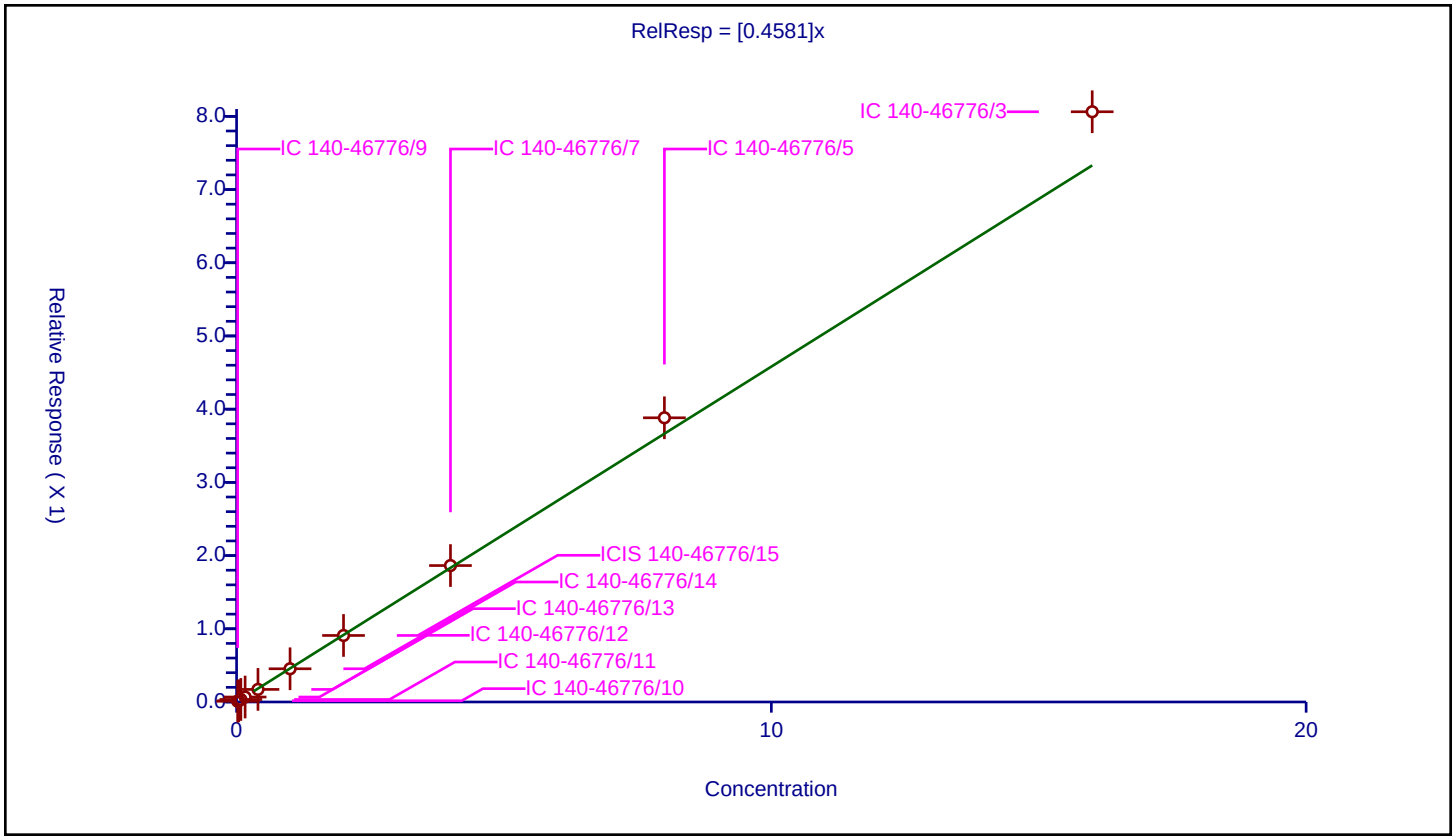
Curve Coefficients

Intercept:	0
Slope:	0.4581

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.010308	4.8	1739215.0	0.515405	Y
2	IC 140-46776/10	0.04	0.016766	4.8	1758697.0	0.419151	Y
3	IC 140-46776/11	0.08	0.034377	4.8	1715217.0	0.429707	Y
4	IC 140-46776/12	0.16	0.067947	4.8	1744119.0	0.424667	Y
5	IC 140-46776/13	0.4	0.171625	4.8	1706433.0	0.429063	Y
6	IC 140-46776/14	1.0	0.453565	4.8	1744759.0	0.453565	Y
7	ICIS 140-46776/15	2.0	0.908478	4.8	1797479.0	0.454239	Y
8	IC 140-46776/7	4.0	1.863787	4.8	1867501.0	0.465947	Y
9	IC 140-46776/5	8.0	3.882183	4.8	1901091.0	0.485273	Y
10	IC 140-46776/3	16.0	8.062534	4.8	1840771.0	0.503908	Y



Calibration / 2-Chlorotoluene

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

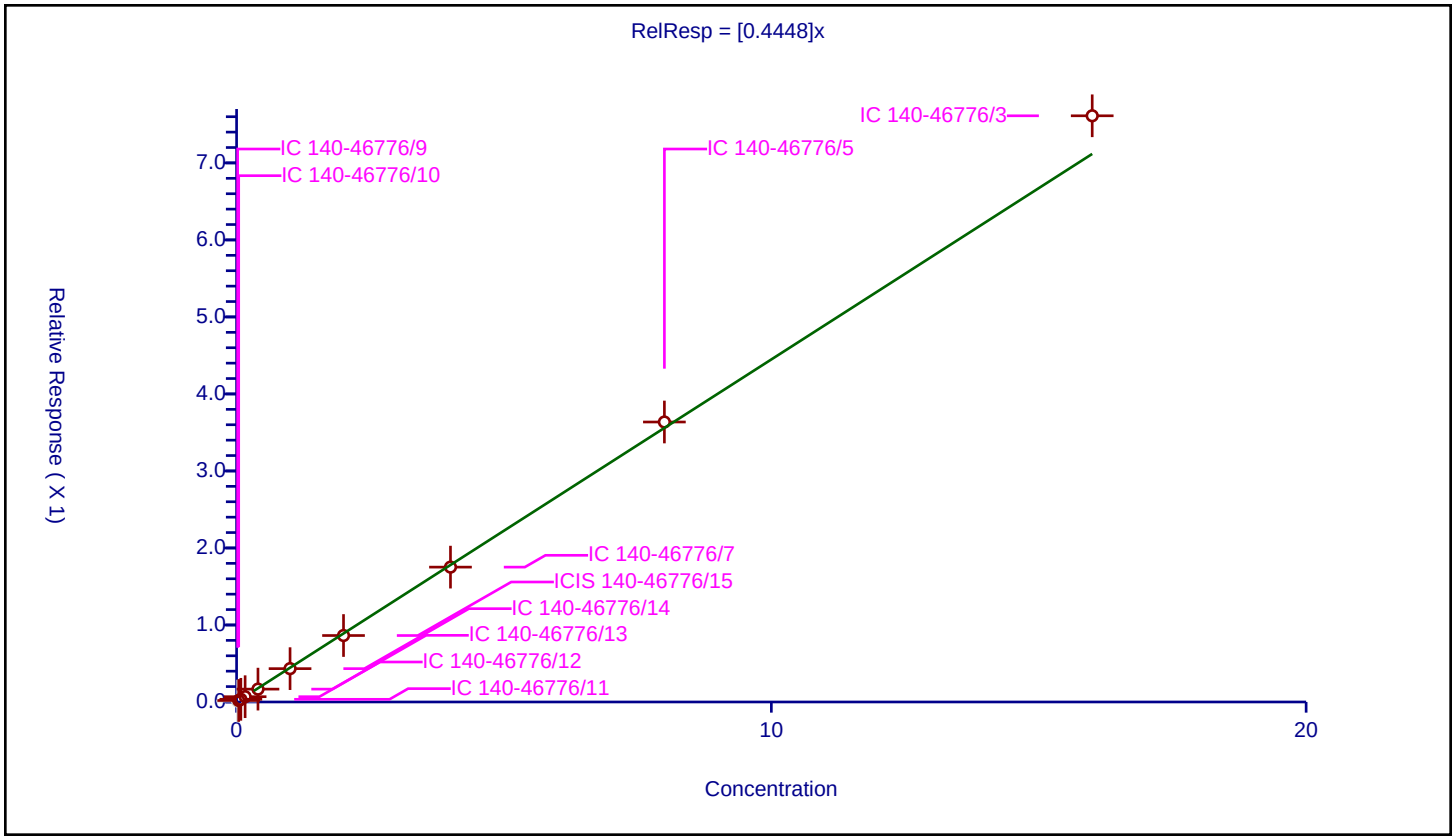
Curve Coefficients

Intercept:	0
Slope:	0.4448

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.011867	4.8	1739215.0	0.593371	N
2	IC 140-46776/10	0.04	0.019463	4.8	1758697.0	0.486565	Y
3	IC 140-46776/11	0.08	0.034936	4.8	1715217.0	0.436703	Y
4	IC 140-46776/12	0.16	0.068781	4.8	1744119.0	0.429879	Y
5	IC 140-46776/13	0.4	0.166998	4.8	1706433.0	0.417495	Y
6	IC 140-46776/14	1.0	0.433108	4.8	1744759.0	0.433108	Y
7	ICIS 140-46776/15	2.0	0.862931	4.8	1797479.0	0.431466	Y
8	IC 140-46776/7	4.0	1.751288	4.8	1867501.0	0.437822	Y
9	IC 140-46776/5	8.0	3.635671	4.8	1901091.0	0.454459	Y
10	IC 140-46776/3	16.0	7.611914	4.8	1840771.0	0.475745	Y



Calibration / 4-Ethyltoluene

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

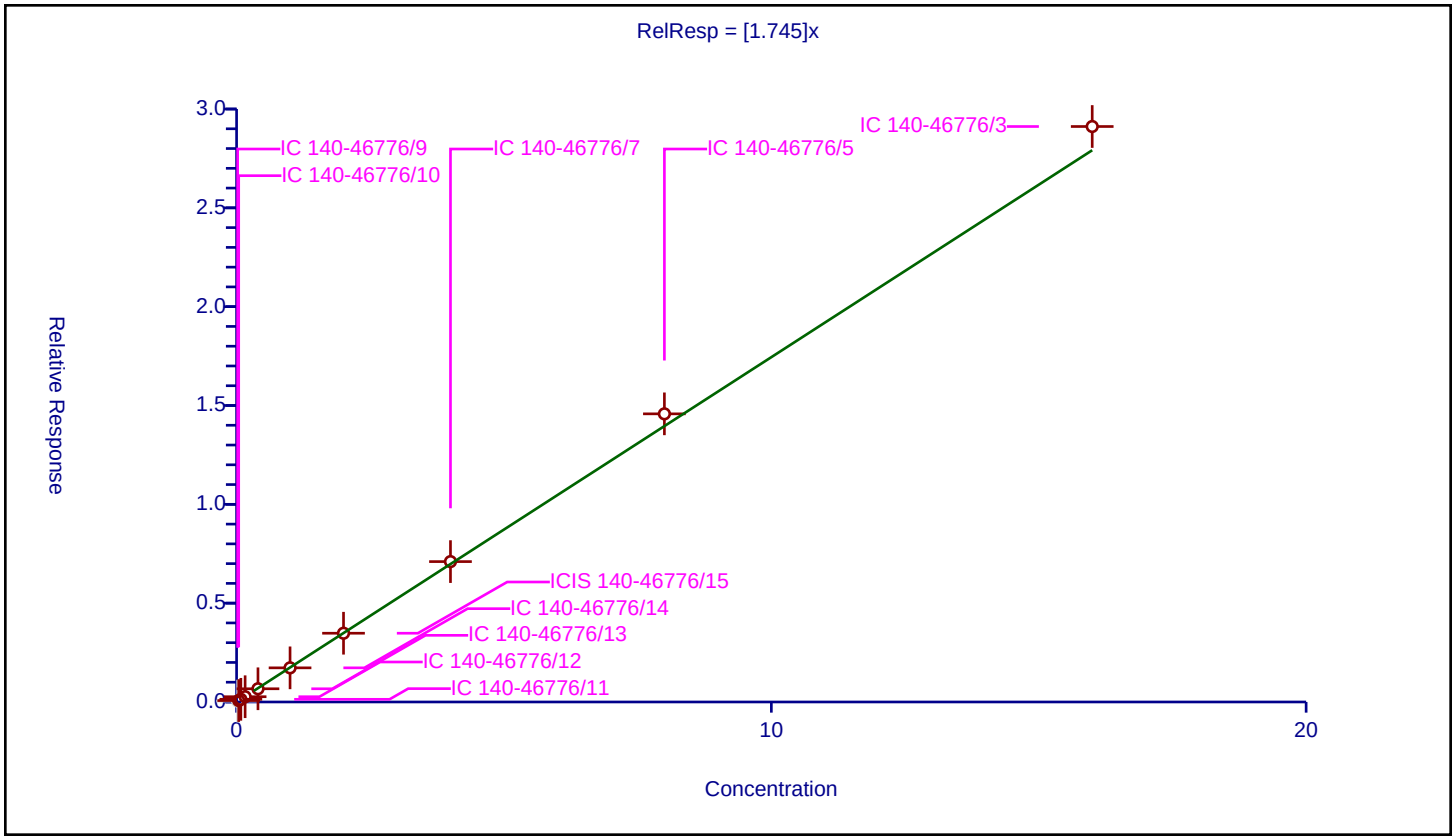
Curve Coefficients

Intercept:	0
Slope:	1.745

Error Coefficients

Standard Error:	4580000
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 140-46776/9	0.02	0.044605	4.8	1739215.0	2.230248	N
2	IC 140-46776/10	0.04	0.071723	4.8	1758697.0	1.793077	Y
3	IC 140-46776/11	0.08	0.135057	4.8	1715217.0	1.688218	Y
4	IC 140-46776/12	0.16	0.266368	4.8	1744119.0	1.6648	Y
5	IC 140-46776/13	0.4	0.668412	4.8	1706433.0	1.67103	Y
6	IC 140-46776/14	1.0	1.727331	4.8	1744759.0	1.727331	Y
7	ICIS 140-46776/15	2.0	3.479252	4.8	1797479.0	1.739626	Y
8	IC 140-46776/7	4.0	7.101937	4.8	1867501.0	1.775484	Y
9	IC 140-46776/5	8.0	14.57744	4.8	1901091.0	1.82218	Y
10	IC 140-46776/3	16.0	29.115168	4.8	1840771.0	1.819698	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

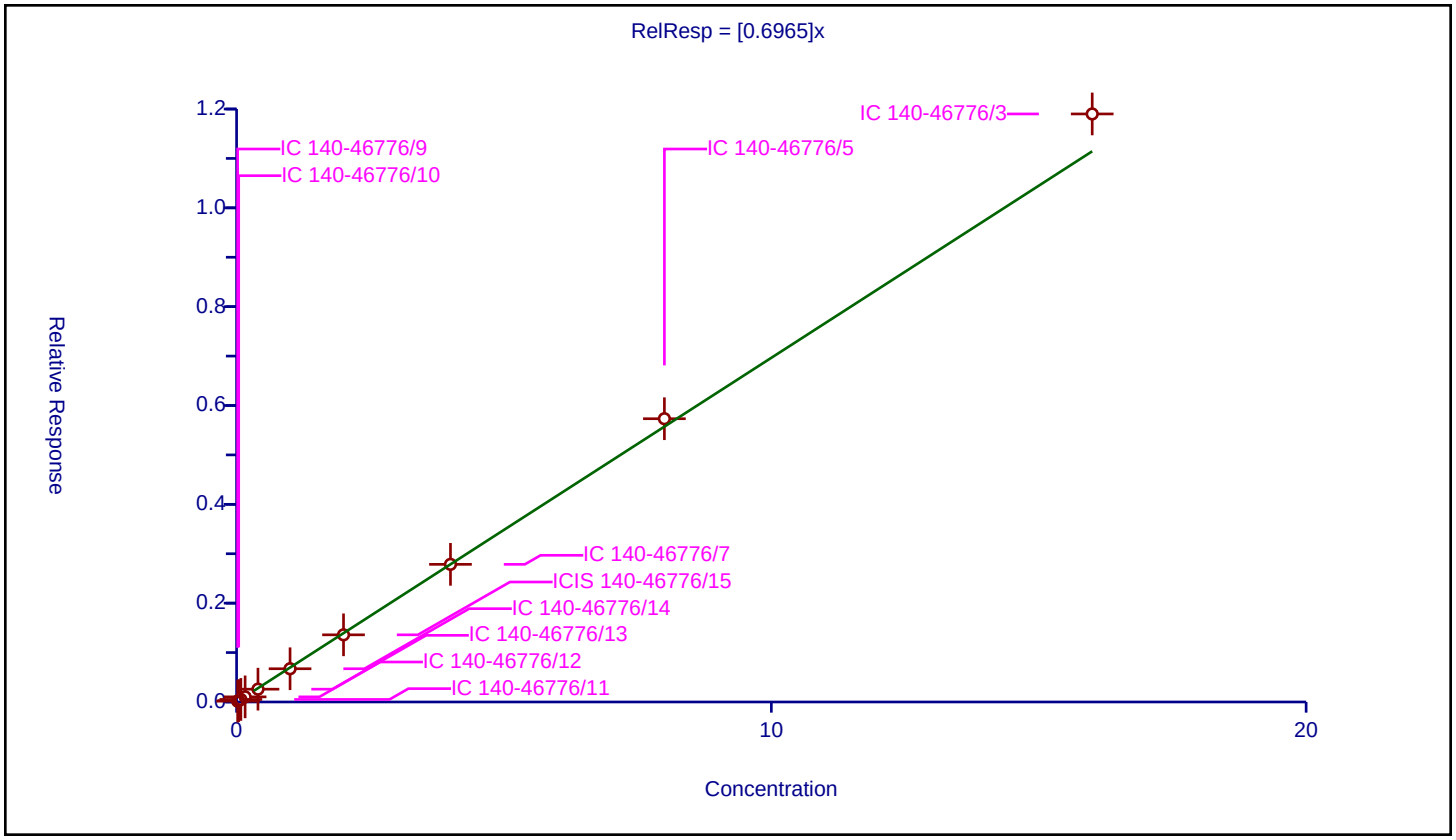
Curve Coefficients

Intercept:	0
Slope:	0.6965

Error Coefficients

Standard Error:	1750000
Relative Standard Error:	7.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.016234	4.8	1739215.0	0.811677	Y
2	IC 140-46776/10	0.04	0.028	4.8	1758697.0	0.699996	Y
3	IC 140-46776/11	0.08	0.051576	4.8	1715217.0	0.6447	Y
4	IC 140-46776/12	0.16	0.10414	4.8	1744119.0	0.650873	Y
5	IC 140-46776/13	0.4	0.259559	4.8	1706433.0	0.648897	Y
6	IC 140-46776/14	1.0	0.672643	4.8	1744759.0	0.672643	Y
7	ICIS 140-46776/15	2.0	1.359328	4.8	1797479.0	0.679664	Y
8	IC 140-46776/7	4.0	2.785227	4.8	1867501.0	0.696307	Y
9	IC 140-46776/5	8.0	5.732587	4.8	1901091.0	0.716573	Y
10	IC 140-46776/3	16.0	11.900002	4.8	1840771.0	0.74375	Y



Calibration / Alpha Methyl Styrene

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

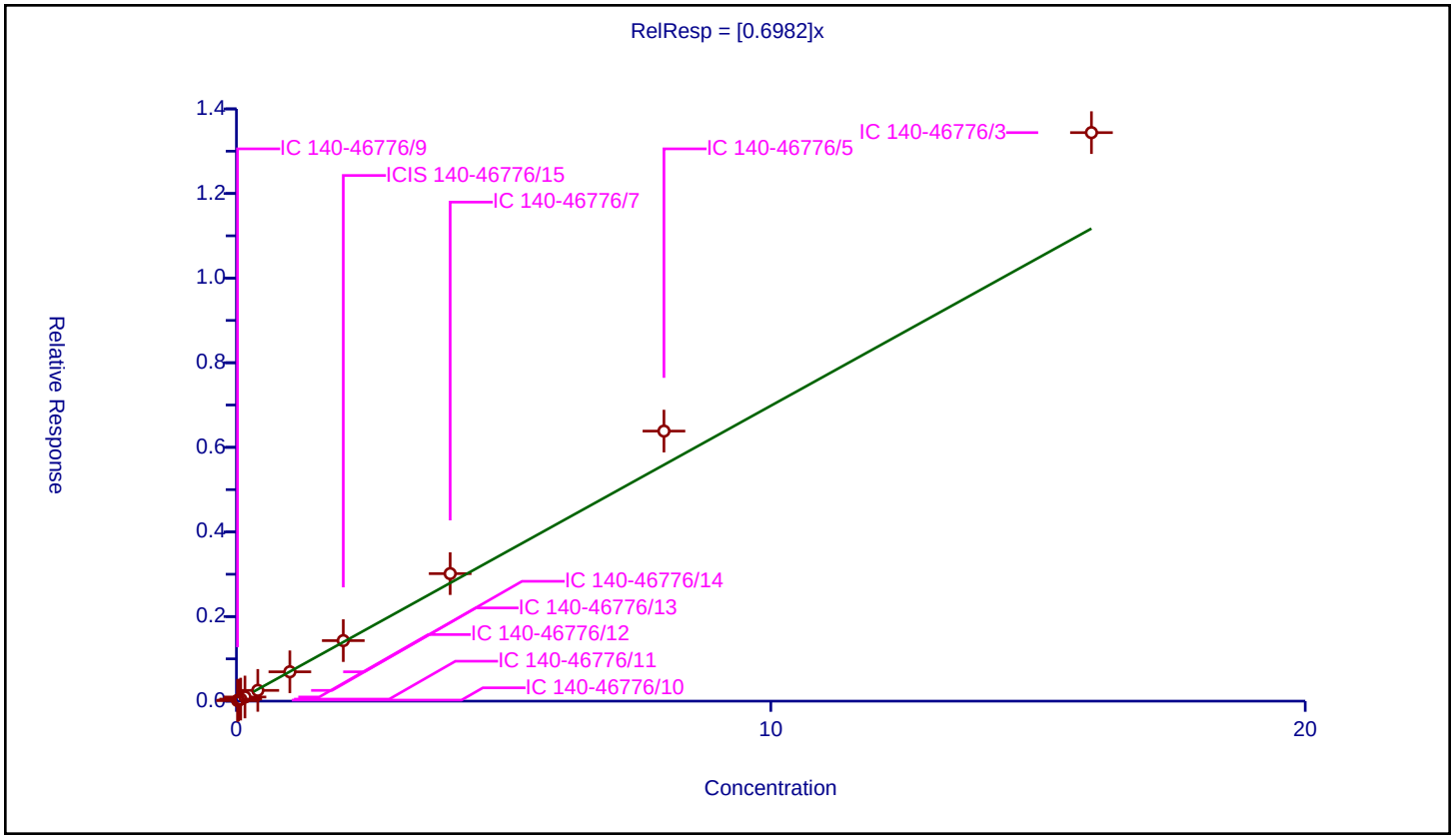
Curve Coefficients

Intercept:	0
Slope:	0.6982

Error Coefficients

Standard Error:	1960000
Relative Standard Error:	11.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.014257	4.8	1739215.0	0.712873	Y
2	IC 140-46776/10	0.04	0.024733	4.8	1758697.0	0.618321	Y
3	IC 140-46776/11	0.08	0.048235	4.8	1715217.0	0.602932	Y
4	IC 140-46776/12	0.16	0.097945	4.8	1744119.0	0.612154	Y
5	IC 140-46776/13	0.4	0.25413	4.8	1706433.0	0.635325	Y
6	IC 140-46776/14	1.0	0.693499	4.8	1744759.0	0.693499	Y
7	ICIS 140-46776/15	2.0	1.431044	4.8	1797479.0	0.715522	Y
8	IC 140-46776/7	4.0	3.014224	4.8	1867501.0	0.753556	Y
9	IC 140-46776/5	8.0	6.384073	4.8	1901091.0	0.798009	Y
10	IC 140-46776/3	16.0	13.439312	4.8	1840771.0	0.839957	Y



Calibration / n-Decane

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

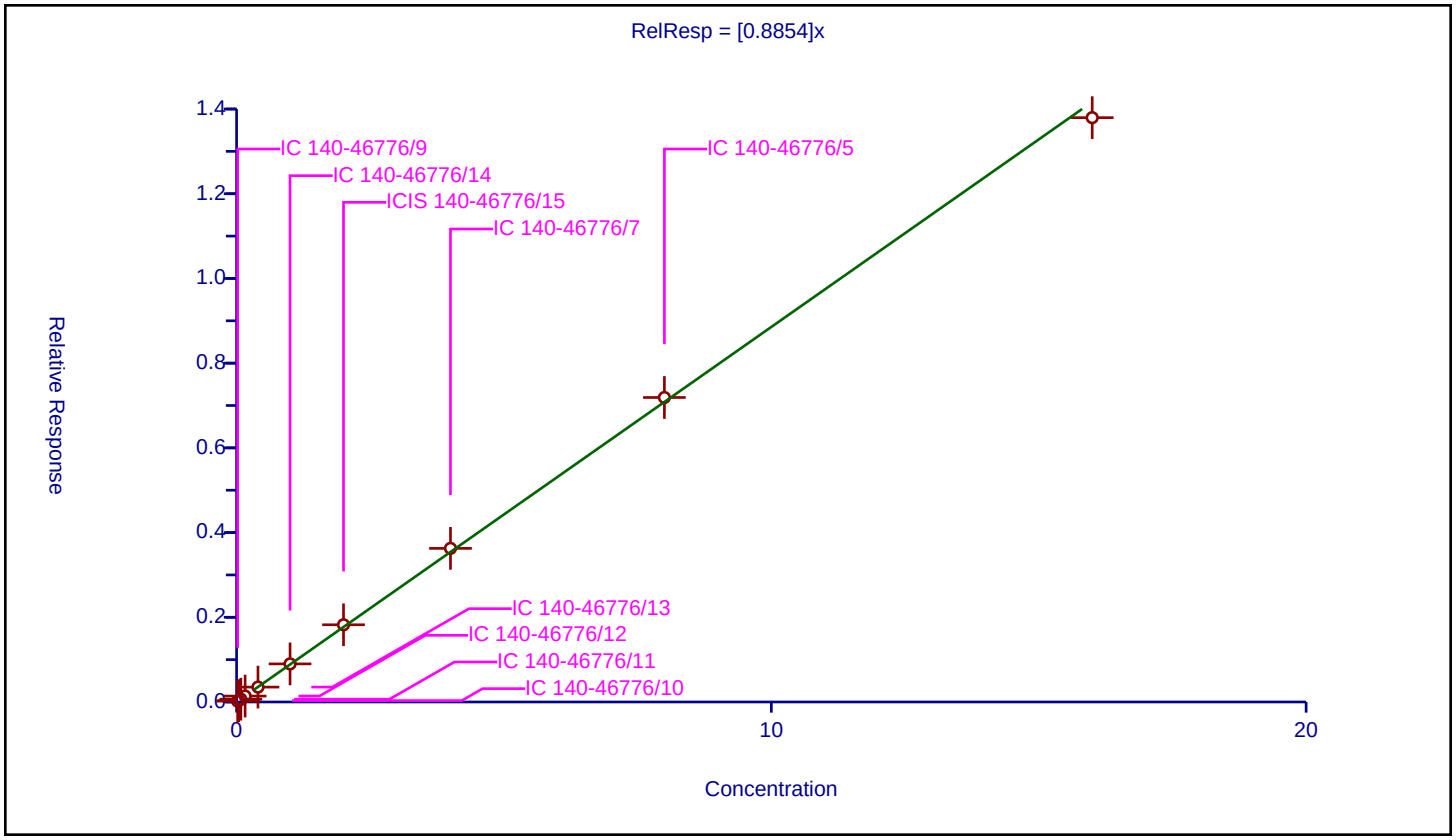
Curve Coefficients

Intercept:	0
Slope:	0.8854

Error Coefficients

Standard Error:	2070000
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 140-46776/9	0.02	0.019537	4.8	1739215.0	0.976855	Y
2	IC 140-46776/10	0.04	0.032948	4.8	1758697.0	0.823701	Y
3	IC 140-46776/11	0.08	0.065753	4.8	1715217.0	0.821913	Y
4	IC 140-46776/12	0.16	0.139901	4.8	1744119.0	0.874378	Y
5	IC 140-46776/13	0.4	0.351703	4.8	1706433.0	0.879259	Y
6	IC 140-46776/14	1.0	0.899278	4.8	1744759.0	0.899278	Y
7	ICIS 140-46776/15	2.0	1.822849	4.8	1797479.0	0.911425	Y
8	IC 140-46776/7	4.0	3.626927	4.8	1867501.0	0.906732	Y
9	IC 140-46776/5	8.0	7.18891	4.8	1901091.0	0.898614	Y
10	IC 140-46776/3	16.0	13.795972	4.8	1840771.0	0.862248	Y



Calibration / tert-Butylbenzene

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

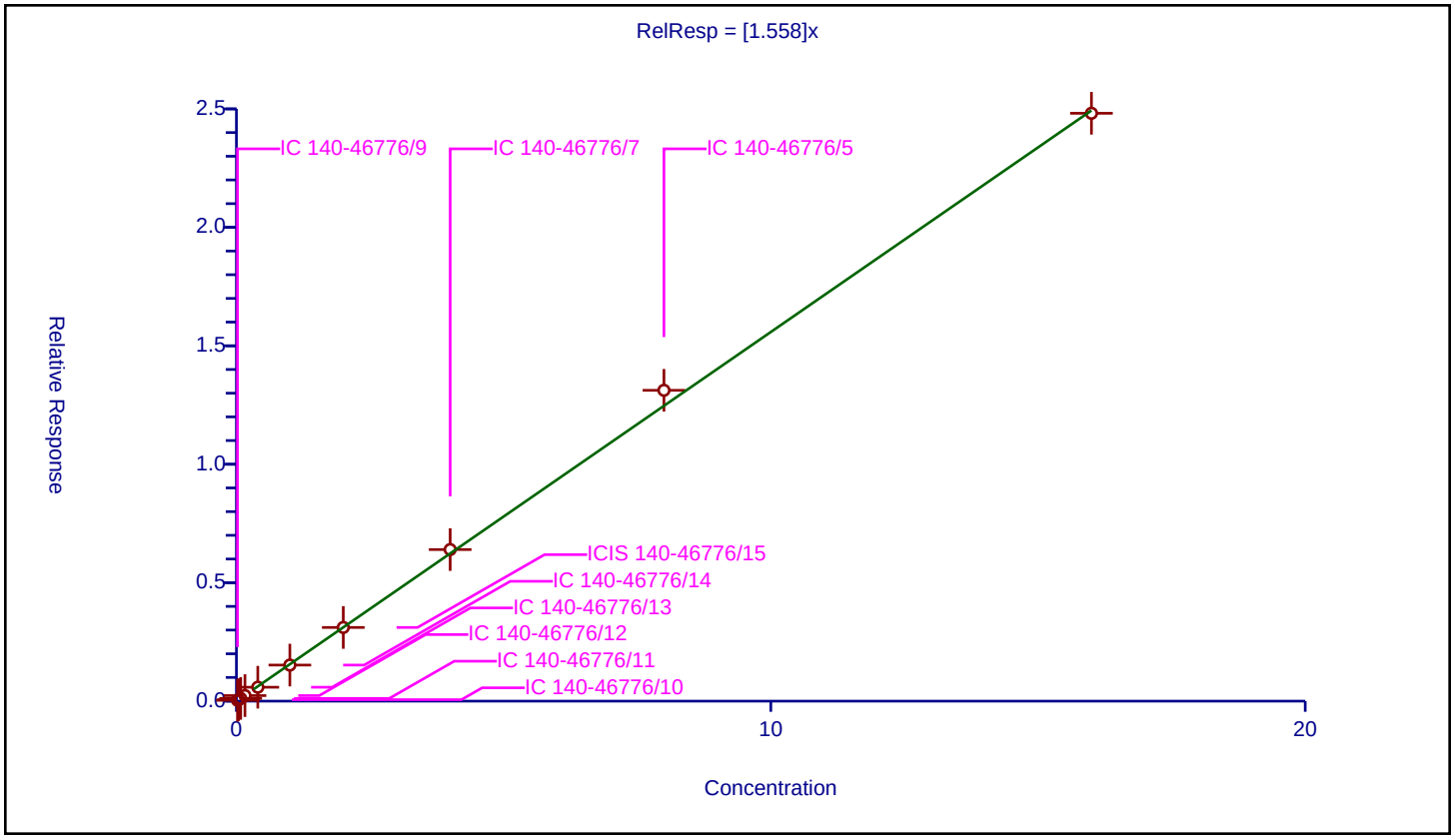
Curve Coefficients

Intercept:	0
Slope:	1.558

Error Coefficients

Standard Error:	3730000
Relative Standard Error:	6.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.035765	4.8	1739215.0	1.788255	Y
2	IC 140-46776/10	0.04	0.062018	4.8	1758697.0	1.550443	Y
3	IC 140-46776/11	0.08	0.115065	4.8	1715217.0	1.438314	Y
4	IC 140-46776/12	0.16	0.234815	4.8	1744119.0	1.467595	Y
5	IC 140-46776/13	0.4	0.587454	4.8	1706433.0	1.468635	Y
6	IC 140-46776/14	1.0	1.523007	4.8	1744759.0	1.523007	Y
7	ICIS 140-46776/15	2.0	3.109929	4.8	1797479.0	1.554964	Y
8	IC 140-46776/7	4.0	6.398467	4.8	1867501.0	1.599617	Y
9	IC 140-46776/5	8.0	13.121357	4.8	1901091.0	1.64017	Y
10	IC 140-46776/3	16.0	24.814787	4.8	1840771.0	1.550924	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

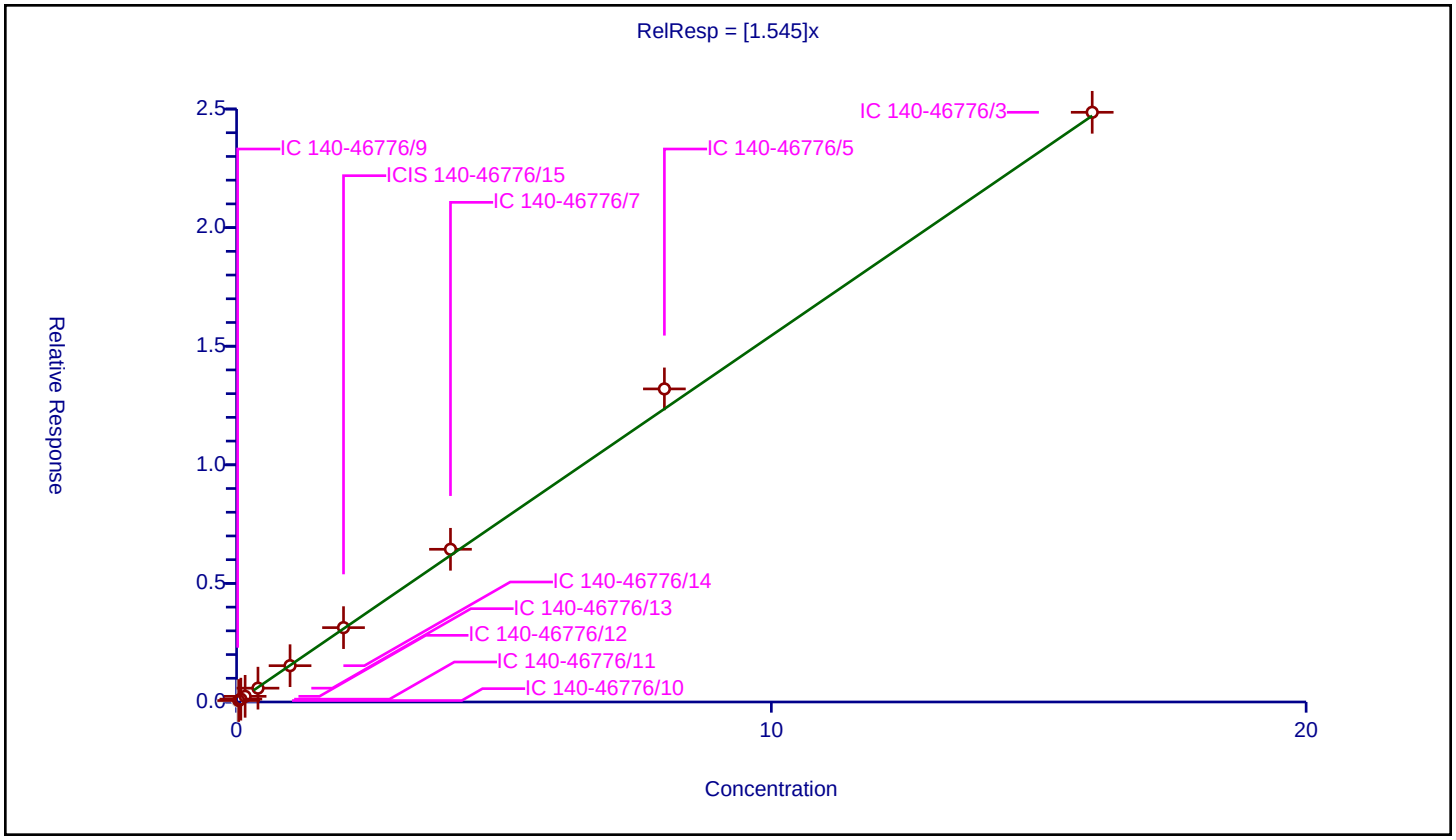
Curve Coefficients

Intercept:	0
Slope:	1.545

Error Coefficients

Standard Error:	3970000
Relative Standard Error:	3.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.040001	4.8	1739215.0	2.000075	N
2	IC 140-46776/10	0.04	0.061758	4.8	1758697.0	1.543961	Y
3	IC 140-46776/11	0.08	0.11994	4.8	1715217.0	1.499251	Y
4	IC 140-46776/12	0.16	0.238594	4.8	1744119.0	1.491211	Y
5	IC 140-46776/13	0.4	0.582689	4.8	1706433.0	1.456723	Y
6	IC 140-46776/14	1.0	1.530473	4.8	1744759.0	1.530473	Y
7	ICIS 140-46776/15	2.0	3.135581	4.8	1797479.0	1.56779	Y
8	IC 140-46776/7	4.0	6.438003	4.8	1867501.0	1.609501	Y
9	IC 140-46776/5	8.0	13.20006	4.8	1901091.0	1.650007	Y
10	IC 140-46776/3	16.0	24.861411	4.8	1840771.0	1.553838	Y



Calibration / sec-Butylbenzene

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

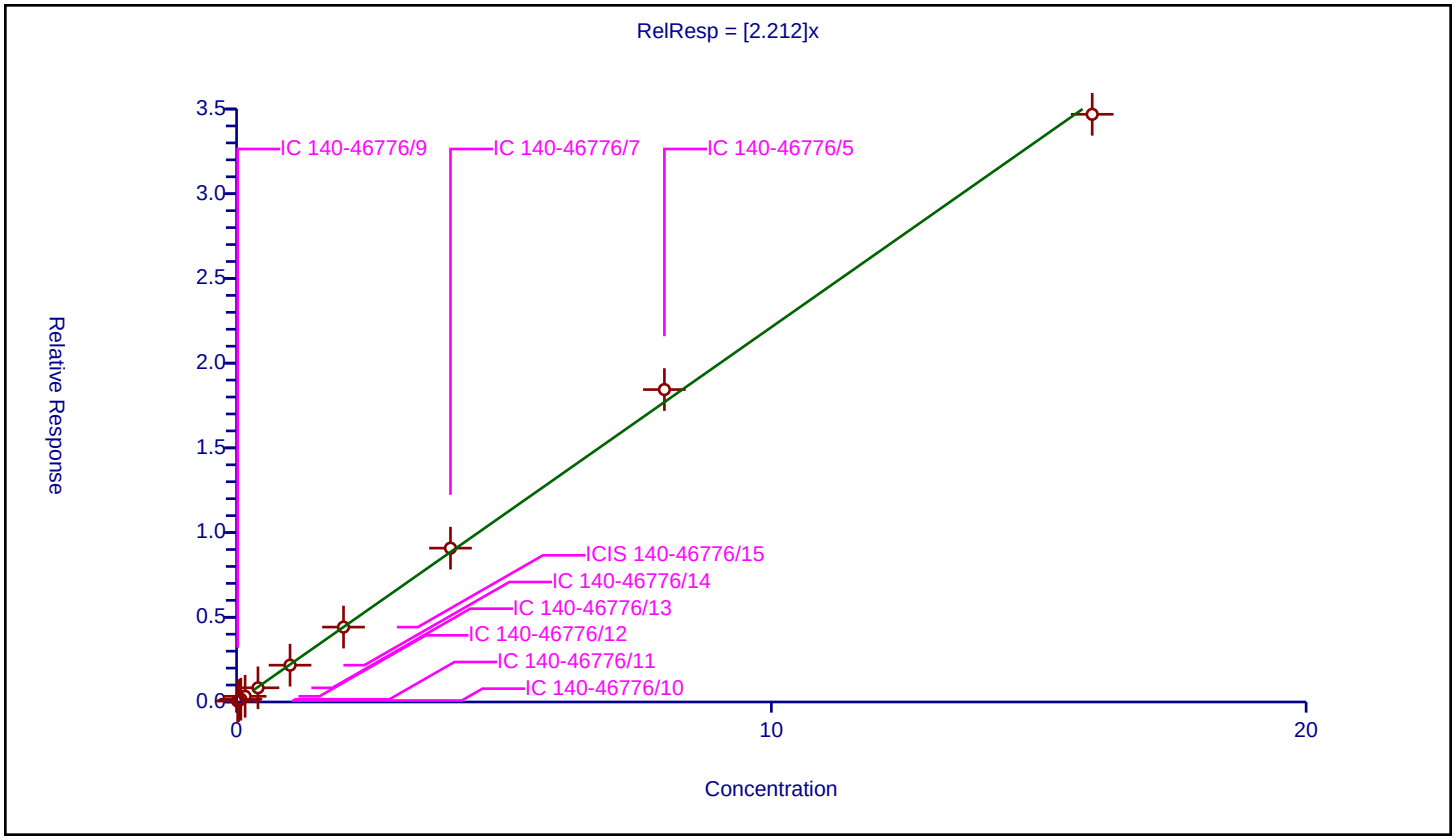
Curve Coefficients

Intercept:	0
Slope:	2.212

Error Coefficients

Standard Error:	5230000
Relative Standard Error:	7.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.052059	4.8	1739215.0	2.602967	Y
2	IC 140-46776/10	0.04	0.087064	4.8	1758697.0	2.176611	Y
3	IC 140-46776/11	0.08	0.162334	4.8	1715217.0	2.029178	Y
4	IC 140-46776/12	0.16	0.335765	4.8	1744119.0	2.098532	Y
5	IC 140-46776/13	0.4	0.83584	4.8	1706433.0	2.089601	Y
6	IC 140-46776/14	1.0	2.172436	4.8	1744759.0	2.172436	Y
7	ICIS 140-46776/15	2.0	4.420589	4.8	1797479.0	2.210294	Y
8	IC 140-46776/7	4.0	9.081372	4.8	1867501.0	2.270343	Y
9	IC 140-46776/5	8.0	18.440225	4.8	1901091.0	2.305028	Y
10	IC 140-46776/3	16.0	34.688797	4.8	1840771.0	2.16805	Y



Calibration / 1,3-Dichlorobenzene

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

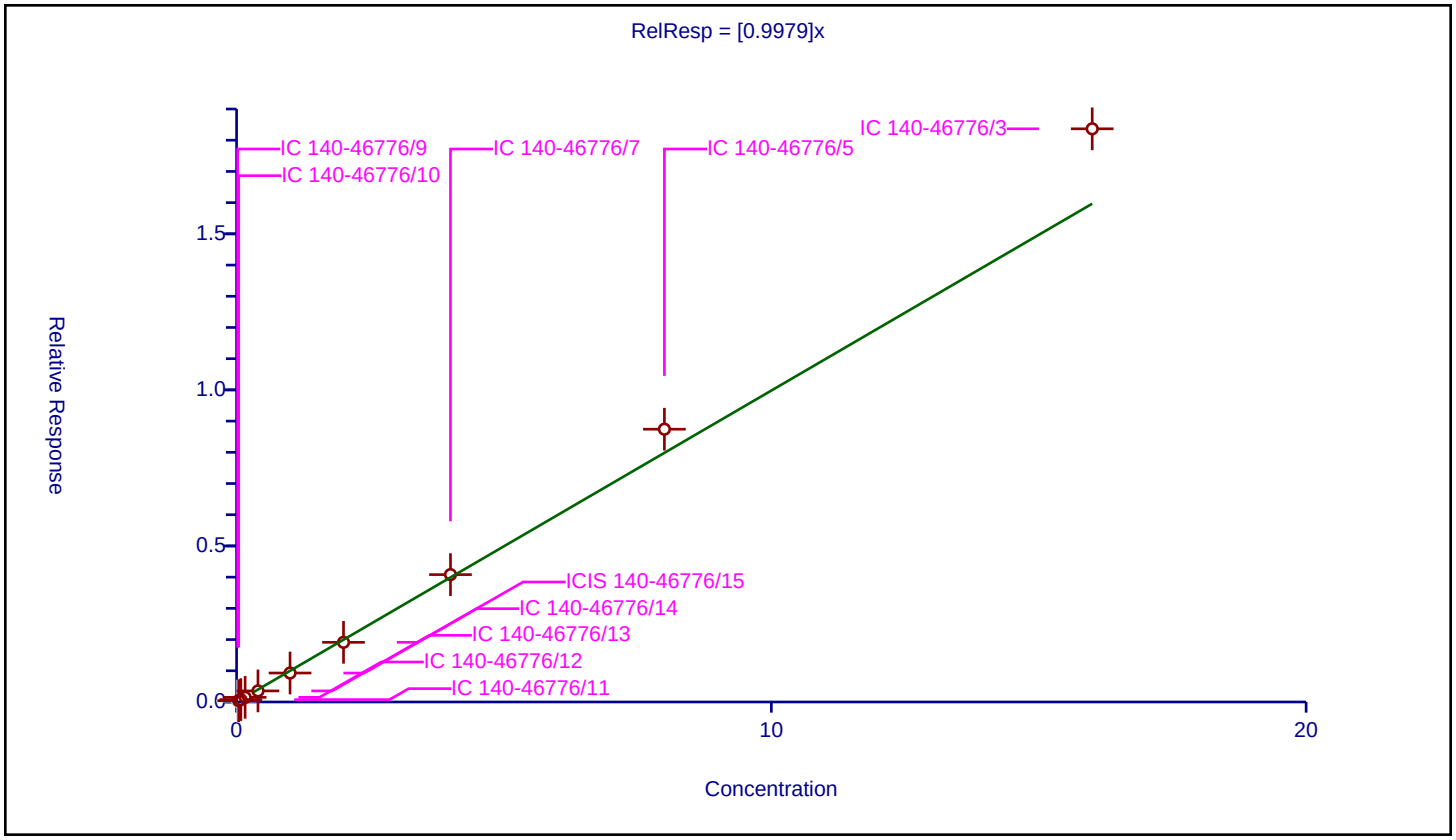
Curve Coefficients

Intercept:	0
Slope:	0.9979

Error Coefficients

Standard Error:	2850000
Relative Standard Error:	8.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.028507	4.8	1739215.0	1.425333	N
2	IC 140-46776/10	0.04	0.042397	4.8	1758697.0	1.059921	Y
3	IC 140-46776/11	0.08	0.076723	4.8	1715217.0	0.959039	Y
4	IC 140-46776/12	0.16	0.148749	4.8	1744119.0	0.929679	Y
5	IC 140-46776/13	0.4	0.354679	4.8	1706433.0	0.886699	Y
6	IC 140-46776/14	1.0	0.928591	4.8	1744759.0	0.928591	Y
7	ICIS 140-46776/15	2.0	1.911766	4.8	1797479.0	0.955883	Y
8	IC 140-46776/7	4.0	4.081334	4.8	1867501.0	1.020334	Y
9	IC 140-46776/5	8.0	8.740942	4.8	1901091.0	1.092618	Y
10	IC 140-46776/3	16.0	18.366258	4.8	1840771.0	1.147891	Y



Calibration / Benzyl chloride

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

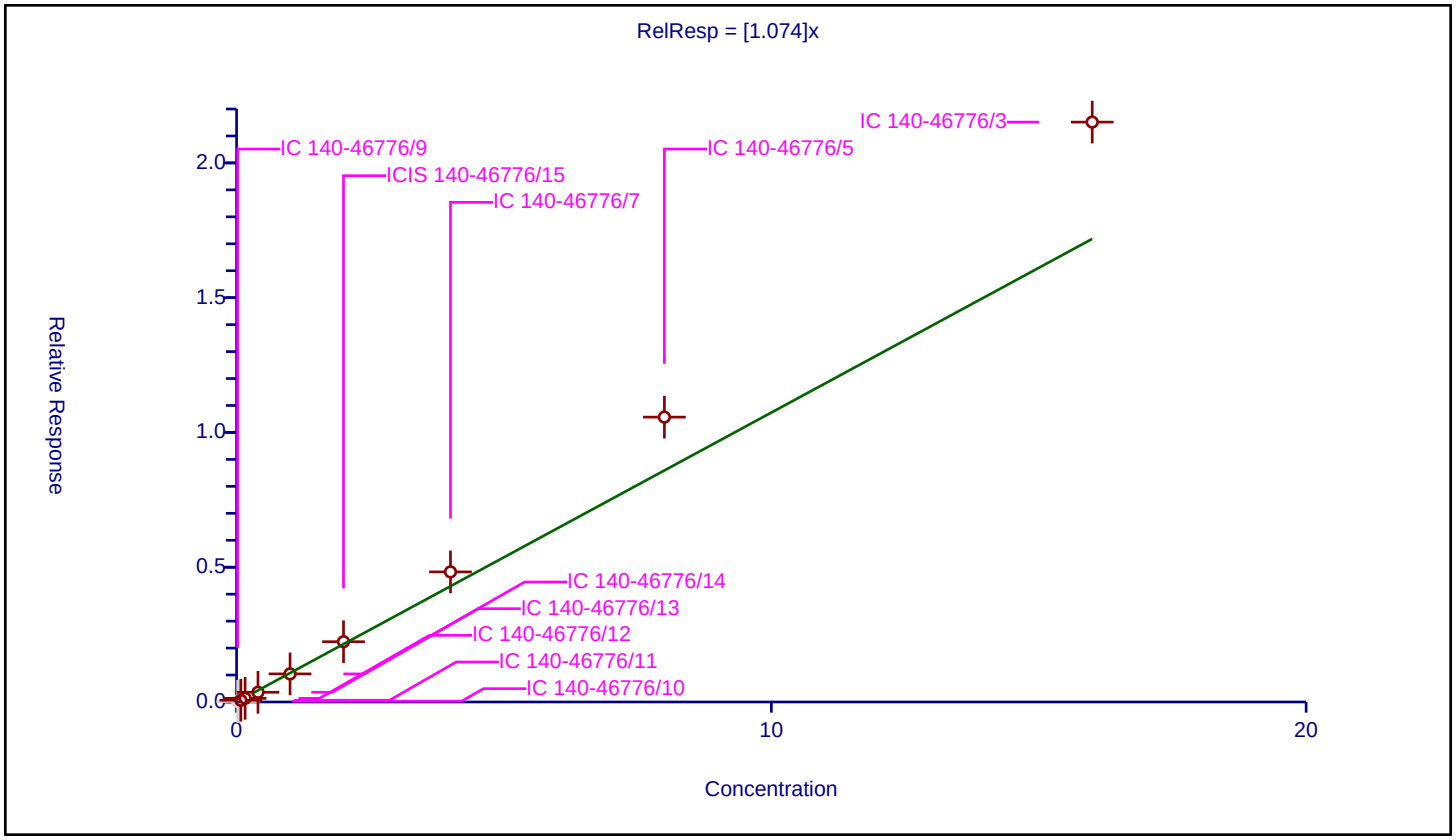
Curve Coefficients

Intercept:	0
Slope:	1.074

Error Coefficients

Standard Error:	3590000
Relative Standard Error:	19.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.960

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.021819	4.8	1739215.0	1.090975	N
2	IC 140-46776/10	0.04	0.032277	4.8	1758697.0	0.806916	N
3	IC 140-46776/11	0.08	0.065115	4.8	1715217.0	0.813938	Y
4	IC 140-46776/12	0.16	0.134897	4.8	1744119.0	0.843108	Y
5	IC 140-46776/13	0.4	0.360142	4.8	1706433.0	0.900355	Y
6	IC 140-46776/14	1.0	1.042654	4.8	1744759.0	1.042654	Y
7	ICIS 140-46776/15	2.0	2.23598	4.8	1797479.0	1.11799	Y
8	IC 140-46776/7	4.0	4.826451	4.8	1867501.0	1.206613	Y
9	IC 140-46776/5	8.0	10.568551	4.8	1901091.0	1.321069	Y
10	IC 140-46776/3	16.0	21.514394	4.8	1840771.0	1.34465	Y



Calibration / 1,4-Dichlorobenzene

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

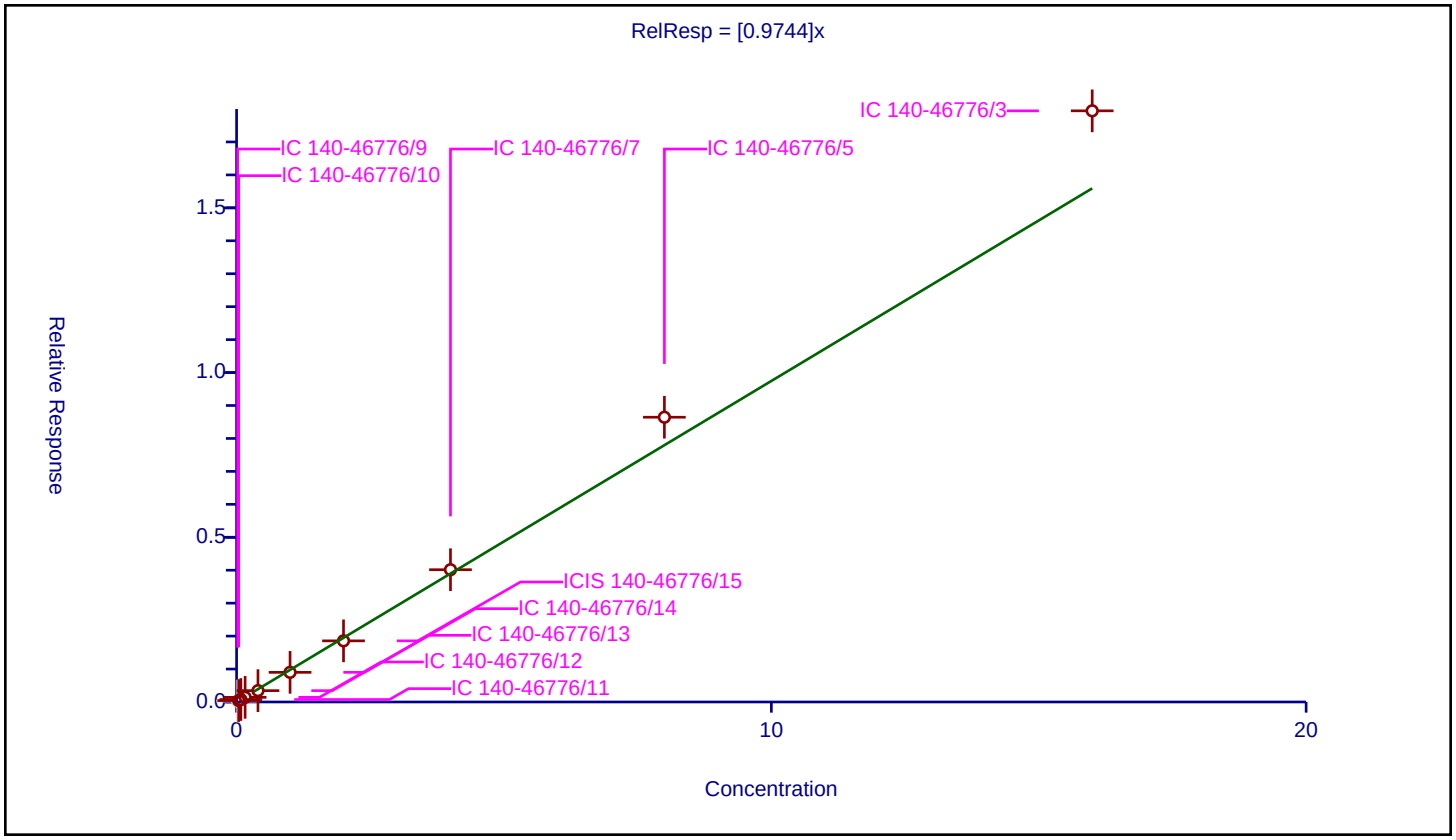
Curve Coefficients

Intercept:	0
Slope:	0.9744

Error Coefficients

Standard Error:	2790000
Relative Standard Error:	9.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.027367	4.8	1739215.0	1.368341	N
2	IC 140-46776/10	0.04	0.042402	4.8	1758697.0	1.060058	Y
3	IC 140-46776/11	0.08	0.074551	4.8	1715217.0	0.931894	Y
4	IC 140-46776/12	0.16	0.141318	4.8	1744119.0	0.883237	Y
5	IC 140-46776/13	0.4	0.344446	4.8	1706433.0	0.861116	Y
6	IC 140-46776/14	1.0	0.899826	4.8	1744759.0	0.899826	Y
7	ICIS 140-46776/15	2.0	1.855706	4.8	1797479.0	0.927853	Y
8	IC 140-46776/7	4.0	4.015242	4.8	1867501.0	1.003811	Y
9	IC 140-46776/5	8.0	8.643828	4.8	1901091.0	1.080479	Y
10	IC 140-46776/3	16.0	17.944551	4.8	1840771.0	1.121534	Y



Calibration / 4-Isopropyltoluene

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

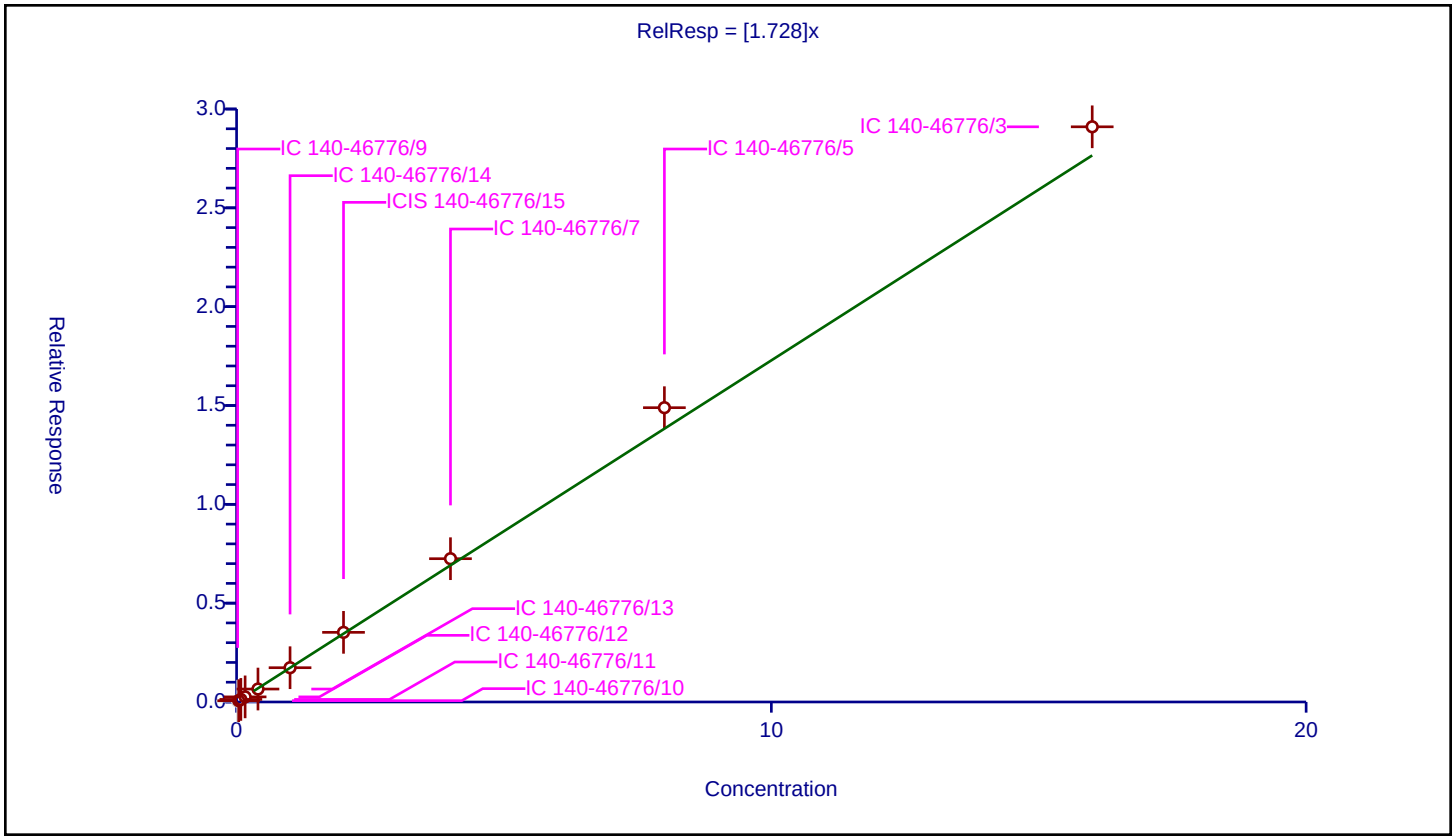
Curve Coefficients

Intercept:	0
Slope:	1.728

Error Coefficients

Standard Error:	4600000
Relative Standard Error:	5.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.040609	4.8	1739215.0	2.030433	N
2	IC 140-46776/10	0.04	0.067083	4.8	1758697.0	1.677083	Y
3	IC 140-46776/11	0.08	0.130594	4.8	1715217.0	1.632423	Y
4	IC 140-46776/12	0.16	0.258877	4.8	1744119.0	1.61798	Y
5	IC 140-46776/13	0.4	0.655425	4.8	1706433.0	1.638562	Y
6	IC 140-46776/14	1.0	1.734605	4.8	1744759.0	1.734605	Y
7	ICIS 140-46776/15	2.0	3.522696	4.8	1797479.0	1.761348	Y
8	IC 140-46776/7	4.0	7.2495	4.8	1867501.0	1.812375	Y
9	IC 140-46776/5	8.0	14.890137	4.8	1901091.0	1.861267	Y
10	IC 140-46776/3	16.0	29.100417	4.8	1840771.0	1.818776	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

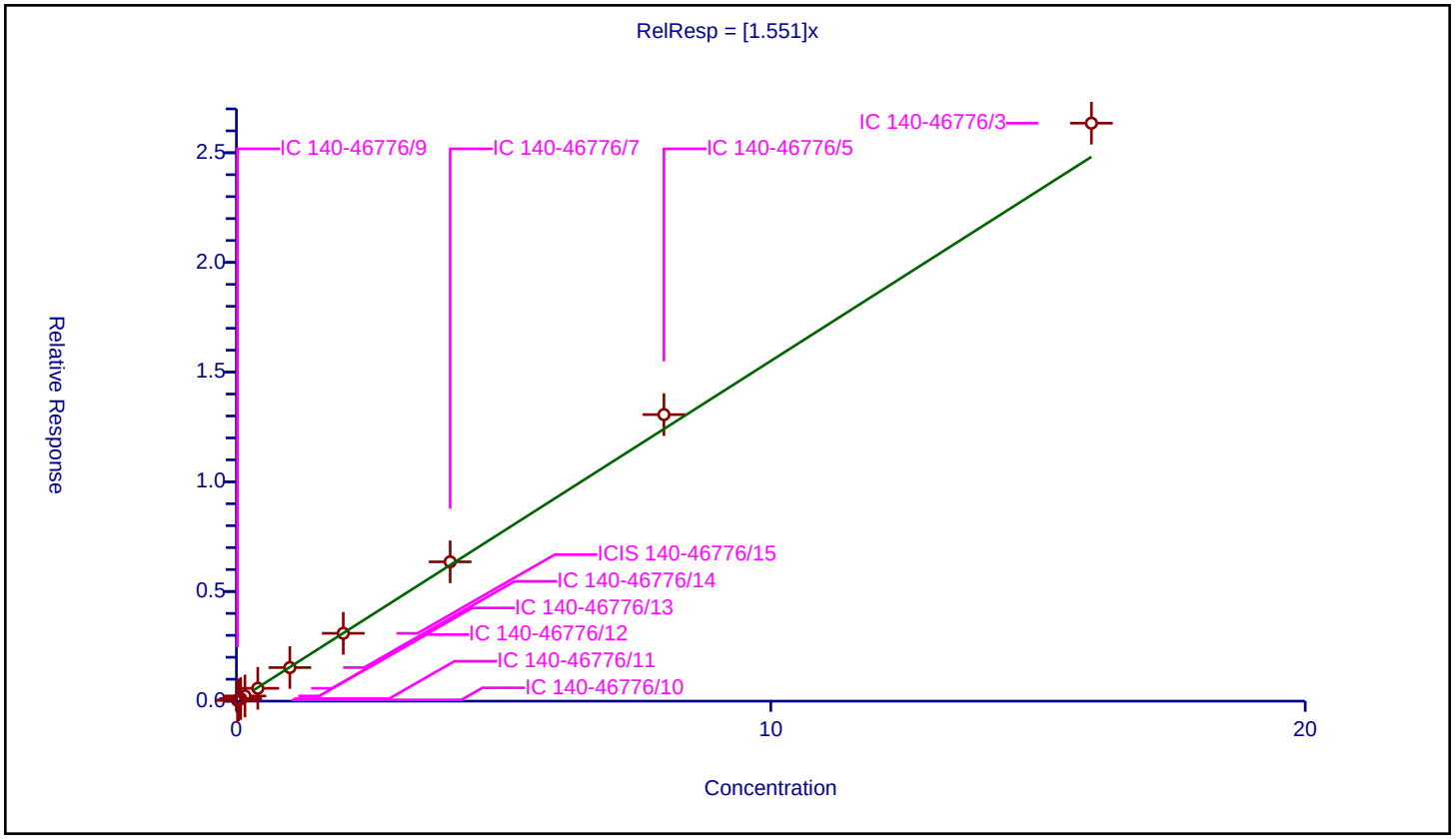
Curve Coefficients

Intercept:	0
Slope:	1.551

Error Coefficients

Standard Error:	3900000
Relative Standard Error:	5.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.033847	4.8	1739215.0	1.69235	Y
2	IC 140-46776/10	0.04	0.059662	4.8	1758697.0	1.491559	Y
3	IC 140-46776/11	0.08	0.115496	4.8	1715217.0	1.443701	Y
4	IC 140-46776/12	0.16	0.235839	4.8	1744119.0	1.473993	Y
5	IC 140-46776/13	0.4	0.585482	4.8	1706433.0	1.463706	Y
6	IC 140-46776/14	1.0	1.530306	4.8	1744759.0	1.530306	Y
7	ICIS 140-46776/15	2.0	3.091832	4.8	1797479.0	1.545916	Y
8	IC 140-46776/7	4.0	6.351439	4.8	1867501.0	1.58786	Y
9	IC 140-46776/5	8.0	13.063046	4.8	1901091.0	1.632881	Y
10	IC 140-46776/3	16.0	26.348279	4.8	1840771.0	1.646767	Y



Calibration / 2,3-Dihydroindene

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

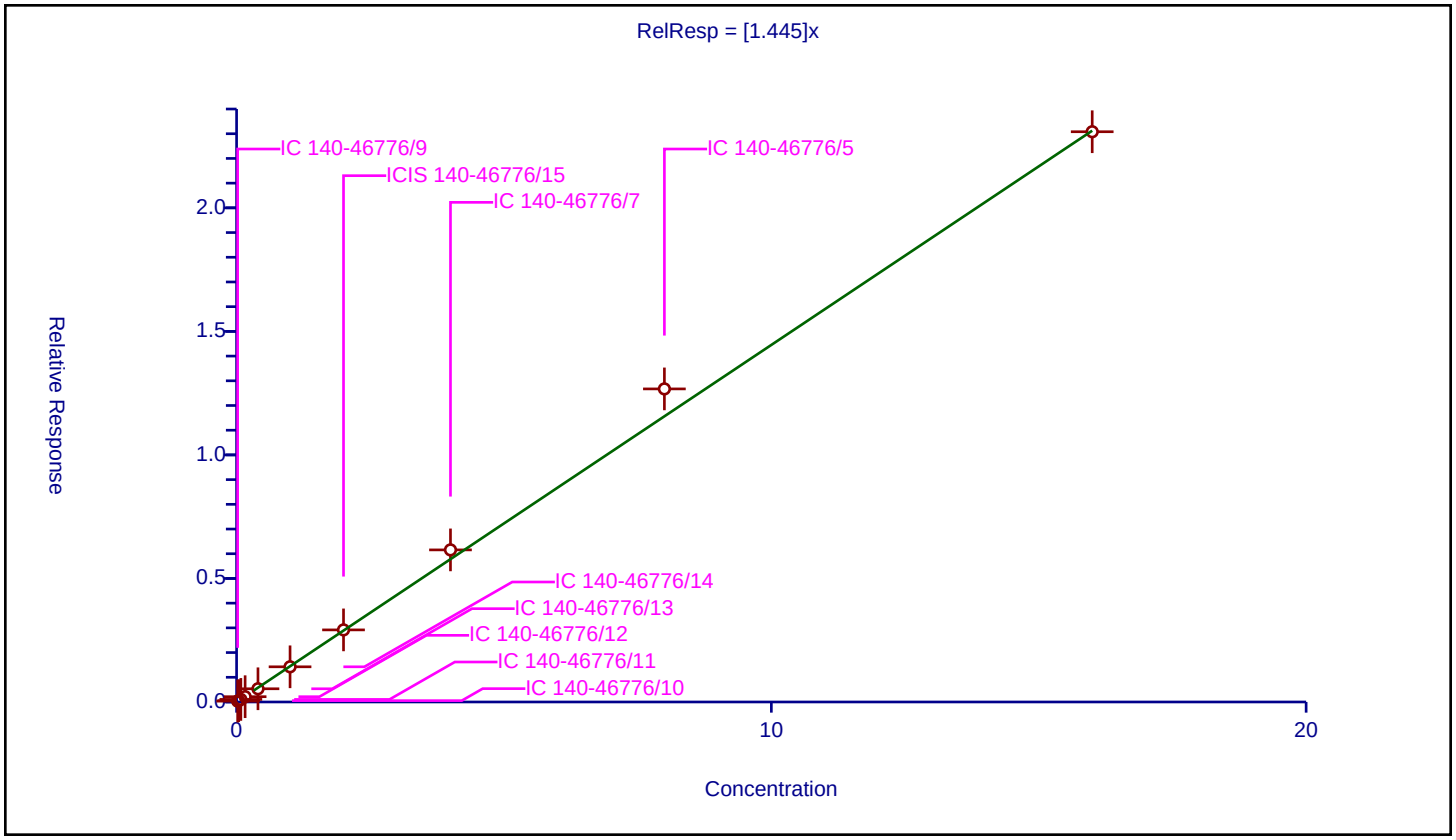
Curve Coefficients

Intercept:	0
Slope:	1.445

Error Coefficients

Standard Error:	3510000
Relative Standard Error:	8.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.033557	4.8	1739215.0	1.67786	Y
2	IC 140-46776/10	0.04	0.054024	4.8	1758697.0	1.350591	Y
3	IC 140-46776/11	0.08	0.103835	4.8	1715217.0	1.297935	Y
4	IC 140-46776/12	0.16	0.214521	4.8	1744119.0	1.340757	Y
5	IC 140-46776/13	0.4	0.5346	4.8	1706433.0	1.3365	Y
6	IC 140-46776/14	1.0	1.424025	4.8	1744759.0	1.424025	Y
7	ICIS 140-46776/15	2.0	2.917449	4.8	1797479.0	1.458724	Y
8	IC 140-46776/7	4.0	6.155964	4.8	1867501.0	1.538991	Y
9	IC 140-46776/5	8.0	12.672088	4.8	1901091.0	1.584011	Y
10	IC 140-46776/3	16.0	23.08022	4.8	1840771.0	1.442514	Y



Calibration / 1,2-Dichlorobenzene

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

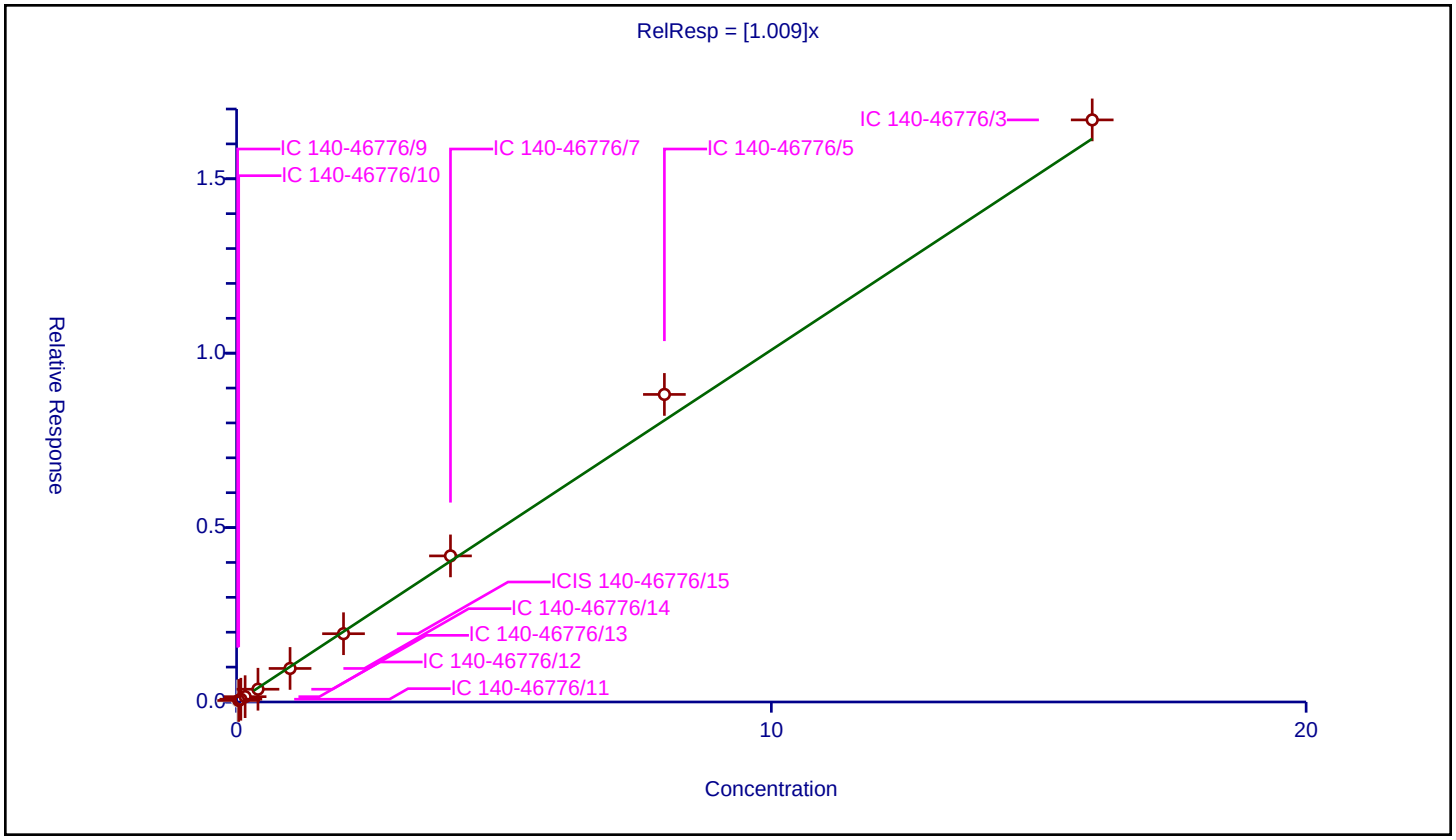
Curve Coefficients

Intercept:	0
Slope:	1.009

Error Coefficients

Standard Error:	2660000
Relative Standard Error:	6.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.028879	4.8	1739215.0	1.443962	N
2	IC 140-46776/10	0.04	0.043794	4.8	1758697.0	1.094856	Y
3	IC 140-46776/11	0.08	0.078878	4.8	1715217.0	0.985974	Y
4	IC 140-46776/12	0.16	0.152835	4.8	1744119.0	0.955222	Y
5	IC 140-46776/13	0.4	0.365802	4.8	1706433.0	0.914504	Y
6	IC 140-46776/14	1.0	0.961228	4.8	1744759.0	0.961228	Y
7	ICIS 140-46776/15	2.0	1.957614	4.8	1797479.0	0.978807	Y
8	IC 140-46776/7	4.0	4.188584	4.8	1867501.0	1.047146	Y
9	IC 140-46776/5	8.0	8.817145	4.8	1901091.0	1.102143	Y
10	IC 140-46776/3	16.0	16.68831	4.8	1840771.0	1.043019	Y



Calibration / n-Butylbenzene

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

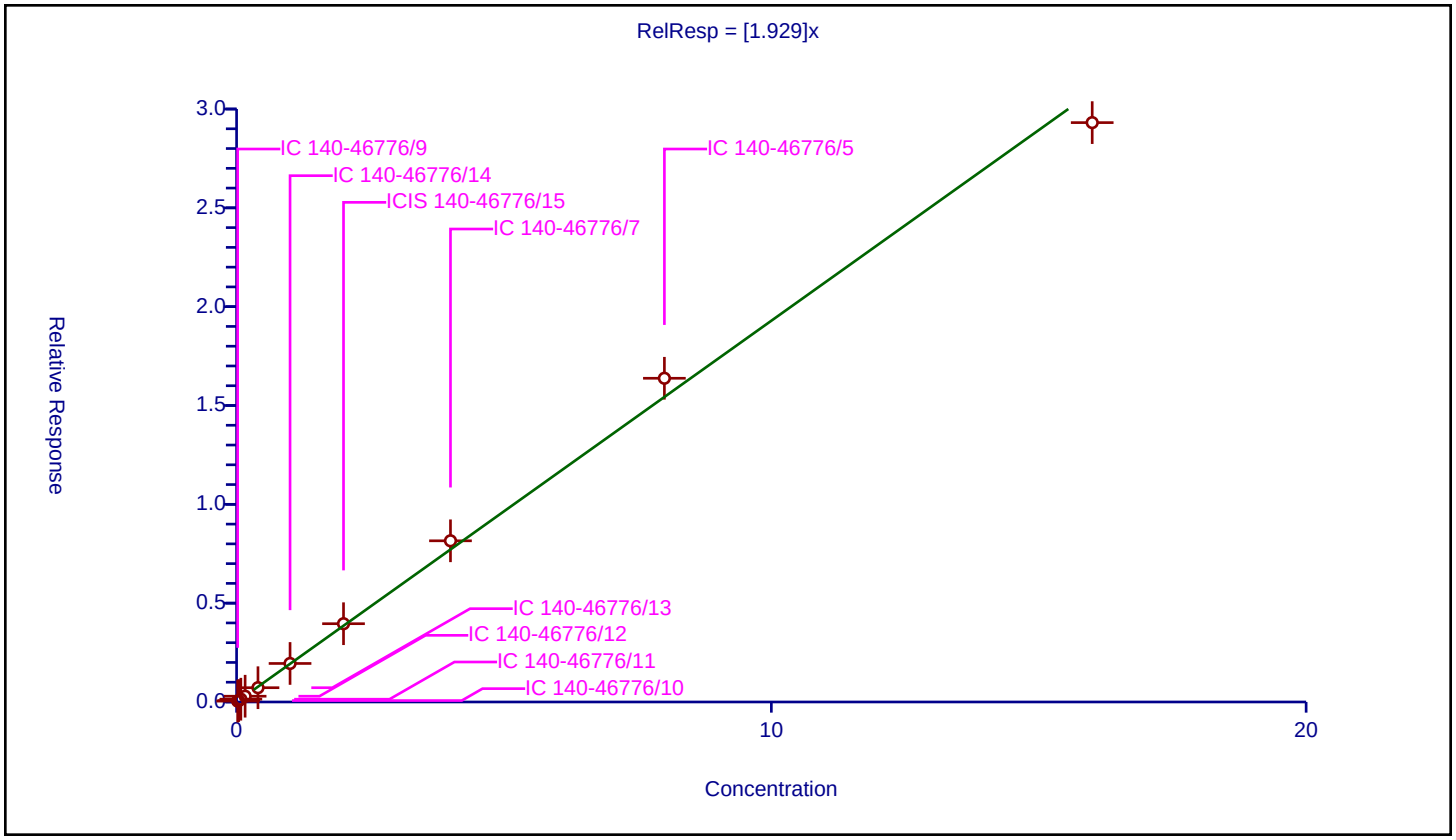
Curve Coefficients

Intercept:	0
Slope:	1.929

Error Coefficients

Standard Error:	4490000
Relative Standard Error:	7.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.04442	4.8	1739215.0	2.221002	Y
2	IC 140-46776/10	0.04	0.072826	4.8	1758697.0	1.820643	Y
3	IC 140-46776/11	0.08	0.141231	4.8	1715217.0	1.765386	Y
4	IC 140-46776/12	0.16	0.292464	4.8	1744119.0	1.827897	Y
5	IC 140-46776/13	0.4	0.723055	4.8	1706433.0	1.807637	Y
6	IC 140-46776/14	1.0	1.948285	4.8	1744759.0	1.948285	Y
7	ICIS 140-46776/15	2.0	3.96005	4.8	1797479.0	1.980025	Y
8	IC 140-46776/7	4.0	8.154441	4.8	1867501.0	2.03861	Y
9	IC 140-46776/5	8.0	16.377775	4.8	1901091.0	2.047222	Y
10	IC 140-46776/3	16.0	29.312081	4.8	1840771.0	1.832005	Y



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

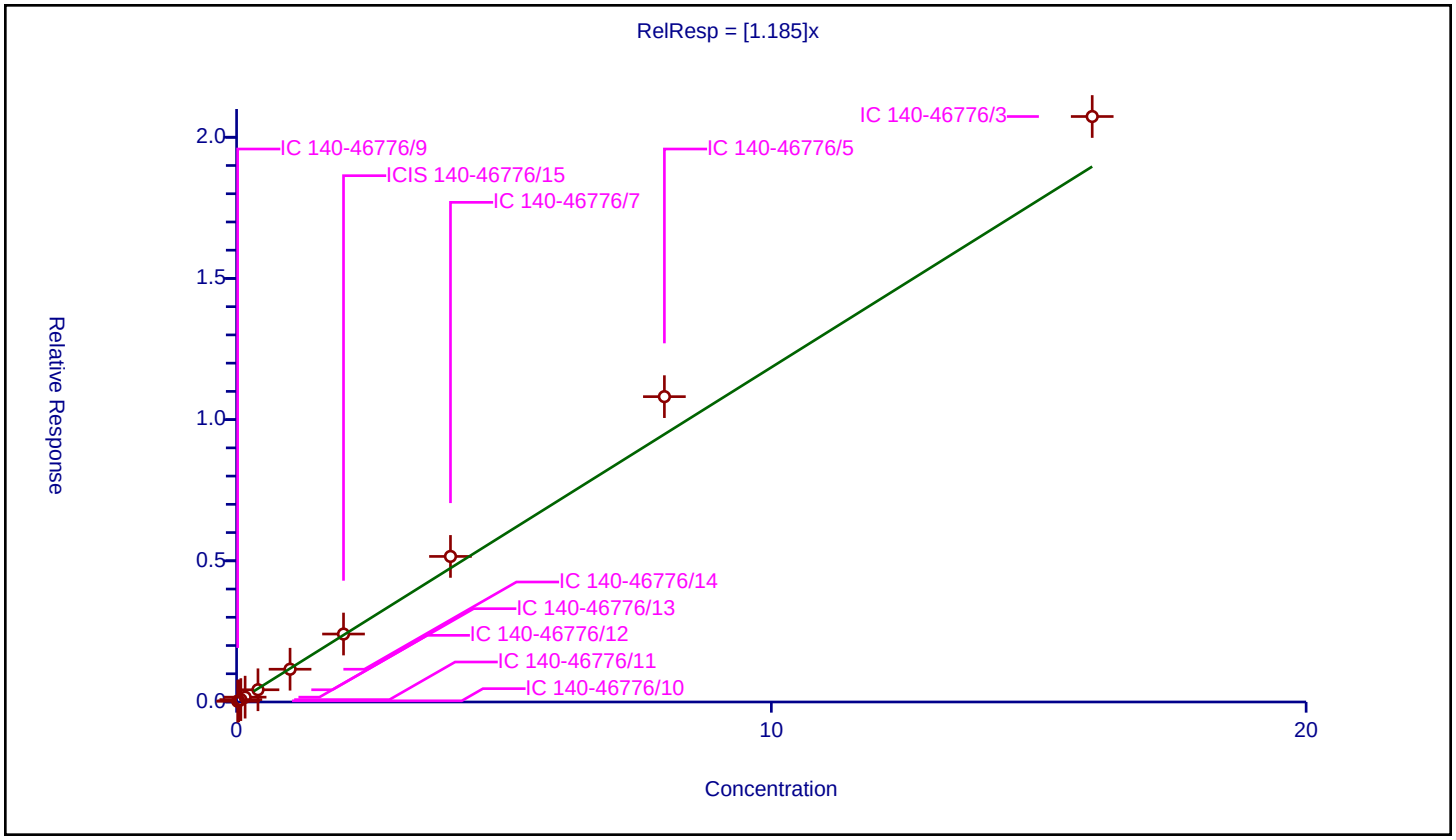
Curve Coefficients

Intercept:	0
Slope:	1.185

Error Coefficients

Standard Error:	3100000
Relative Standard Error:	9.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.025551	4.8	1739215.0	1.277542	Y
2	IC 140-46776/10	0.04	0.042304	4.8	1758697.0	1.057601	Y
3	IC 140-46776/11	0.08	0.084976	4.8	1715217.0	1.062198	Y
4	IC 140-46776/12	0.16	0.171588	4.8	1744119.0	1.072427	Y
5	IC 140-46776/13	0.4	0.432655	4.8	1706433.0	1.081639	Y
6	IC 140-46776/14	1.0	1.160379	4.8	1744759.0	1.160379	Y
7	ICIS 140-46776/15	2.0	2.406338	4.8	1797479.0	1.203169	Y
8	IC 140-46776/7	4.0	5.155426	4.8	1867501.0	1.288856	Y
9	IC 140-46776/5	8.0	10.813377	4.8	1901091.0	1.351672	Y
10	IC 140-46776/3	16.0	20.734882	4.8	1840771.0	1.29593	Y



Calibration / Undecane

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

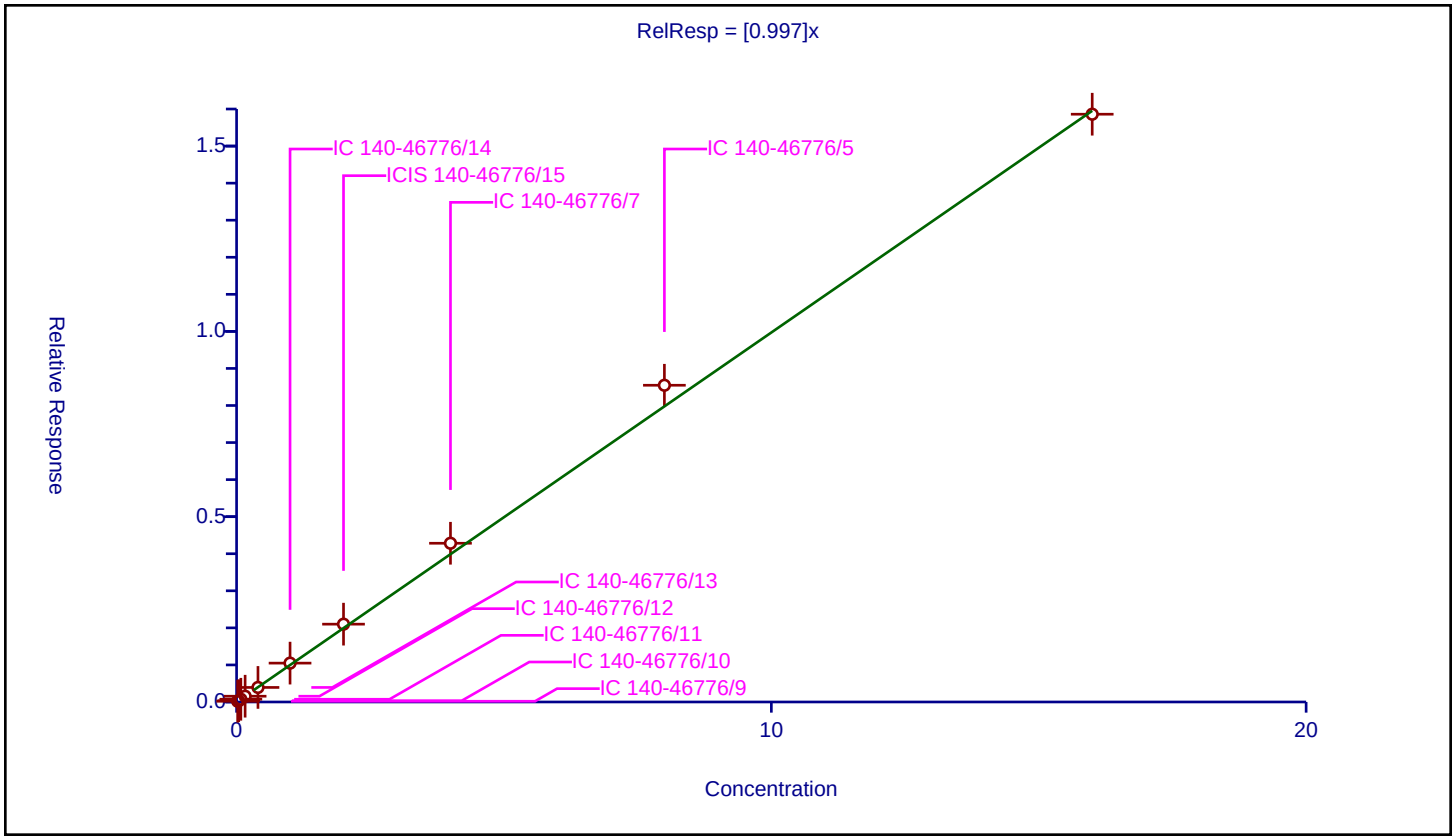
Curve Coefficients

Intercept:	0
Slope:	0.997

Error Coefficients

Standard Error:	2400000
Relative Standard Error:	6.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.019863	4.8	1739215.0	0.993138	Y
2	IC 140-46776/10	0.04	0.034894	4.8	1758697.0	0.87235	Y
3	IC 140-46776/11	0.08	0.073653	4.8	1715217.0	0.920665	Y
4	IC 140-46776/12	0.16	0.155703	4.8	1744119.0	0.973145	Y
5	IC 140-46776/13	0.4	0.392496	4.8	1706433.0	0.98124	Y
6	IC 140-46776/14	1.0	1.04899	4.8	1744759.0	1.04899	Y
7	ICIS 140-46776/15	2.0	2.099864	4.8	1797479.0	1.049932	Y
8	IC 140-46776/7	4.0	4.283135	4.8	1867501.0	1.070784	Y
9	IC 140-46776/5	8.0	8.545967	4.8	1901091.0	1.068246	Y
10	IC 140-46776/3	16.0	15.859997	4.8	1840771.0	0.99125	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

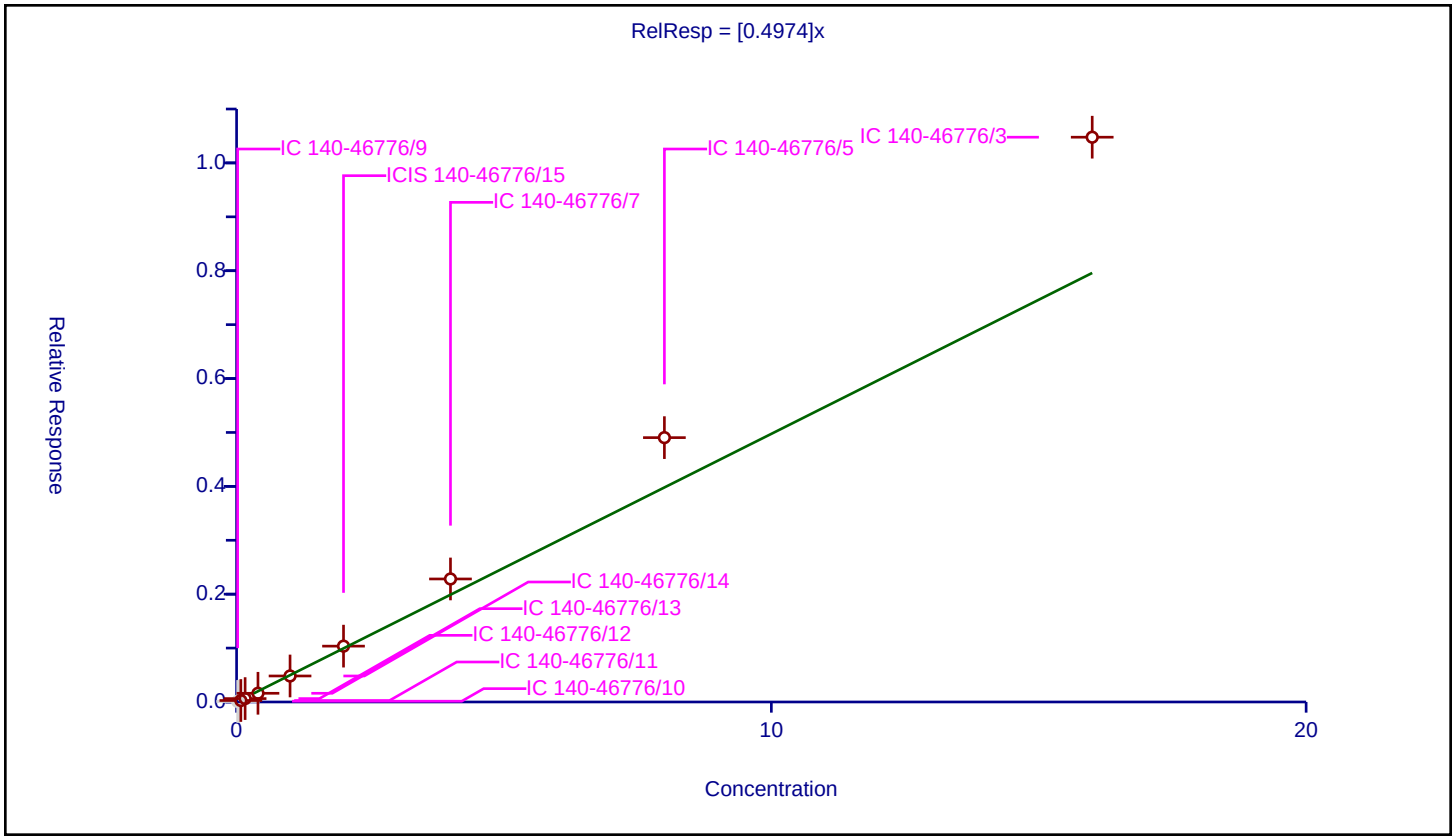
Curve Coefficients

Intercept:	0
Slope:	0.4974

Error Coefficients

Standard Error:	1730000
Relative Standard Error:	22.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.948

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.010264	4.8	1739215.0	0.513197	N
2	IC 140-46776/10	0.04	0.014533	4.8	1758697.0	0.363337	N
3	IC 140-46776/11	0.08	0.027478	4.8	1715217.0	0.343478	Y
4	IC 140-46776/12	0.16	0.062839	4.8	1744119.0	0.392743	Y
5	IC 140-46776/13	0.4	0.161676	4.8	1706433.0	0.40419	Y
6	IC 140-46776/14	1.0	0.482523	4.8	1744759.0	0.482523	Y
7	ICIS 140-46776/15	2.0	1.036112	4.8	1797479.0	0.518056	Y
8	IC 140-46776/7	4.0	2.282033	4.8	1867501.0	0.570508	Y
9	IC 140-46776/5	8.0	4.9041	4.8	1901091.0	0.613013	Y
10	IC 140-46776/3	16.0	10.476934	4.8	1840771.0	0.654808	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

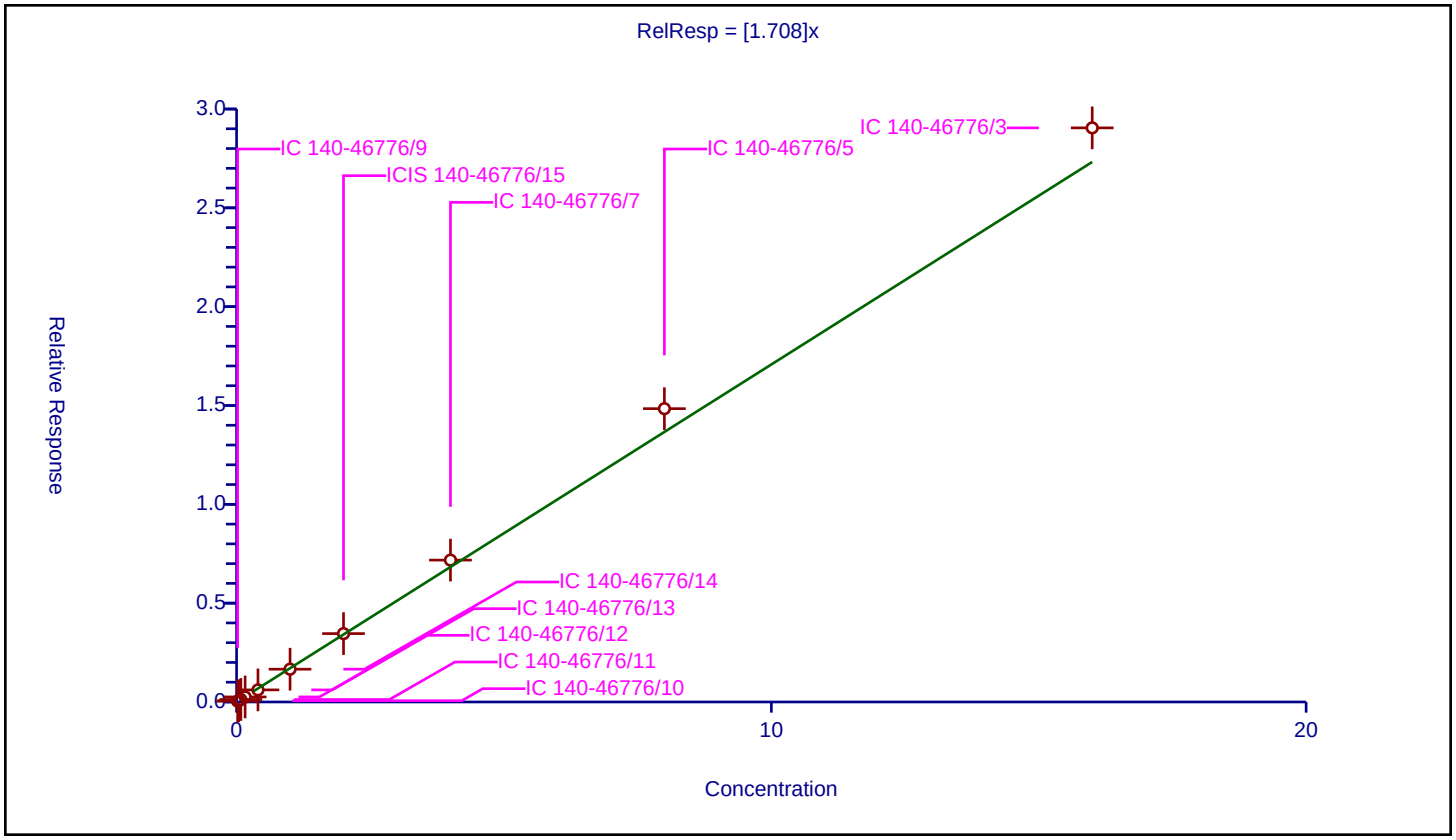
Curve Coefficients

Intercept:	0
Slope:	1.708

Error Coefficients

Standard Error:	4330000
Relative Standard Error:	7.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.038263	4.8	1739215.0	1.913139	Y
2	IC 140-46776/10	0.04	0.064065	4.8	1758697.0	1.601618	Y
3	IC 140-46776/11	0.08	0.126346	4.8	1715217.0	1.579322	Y
4	IC 140-46776/12	0.16	0.255704	4.8	1744119.0	1.598148	Y
5	IC 140-46776/13	0.4	0.611749	4.8	1706433.0	1.529373	Y
6	IC 140-46776/14	1.0	1.659395	4.8	1744759.0	1.659395	Y
7	ICIS 140-46776/15	2.0	3.459368	4.8	1797479.0	1.729684	Y
8	IC 140-46776/7	4.0	7.178082	4.8	1867501.0	1.79452	Y
9	IC 140-46776/5	8.0	14.839822	4.8	1901091.0	1.854978	Y
10	IC 140-46776/3	16.0	29.046531	4.8	1840771.0	1.815408	Y



Calibration / Dodecane

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

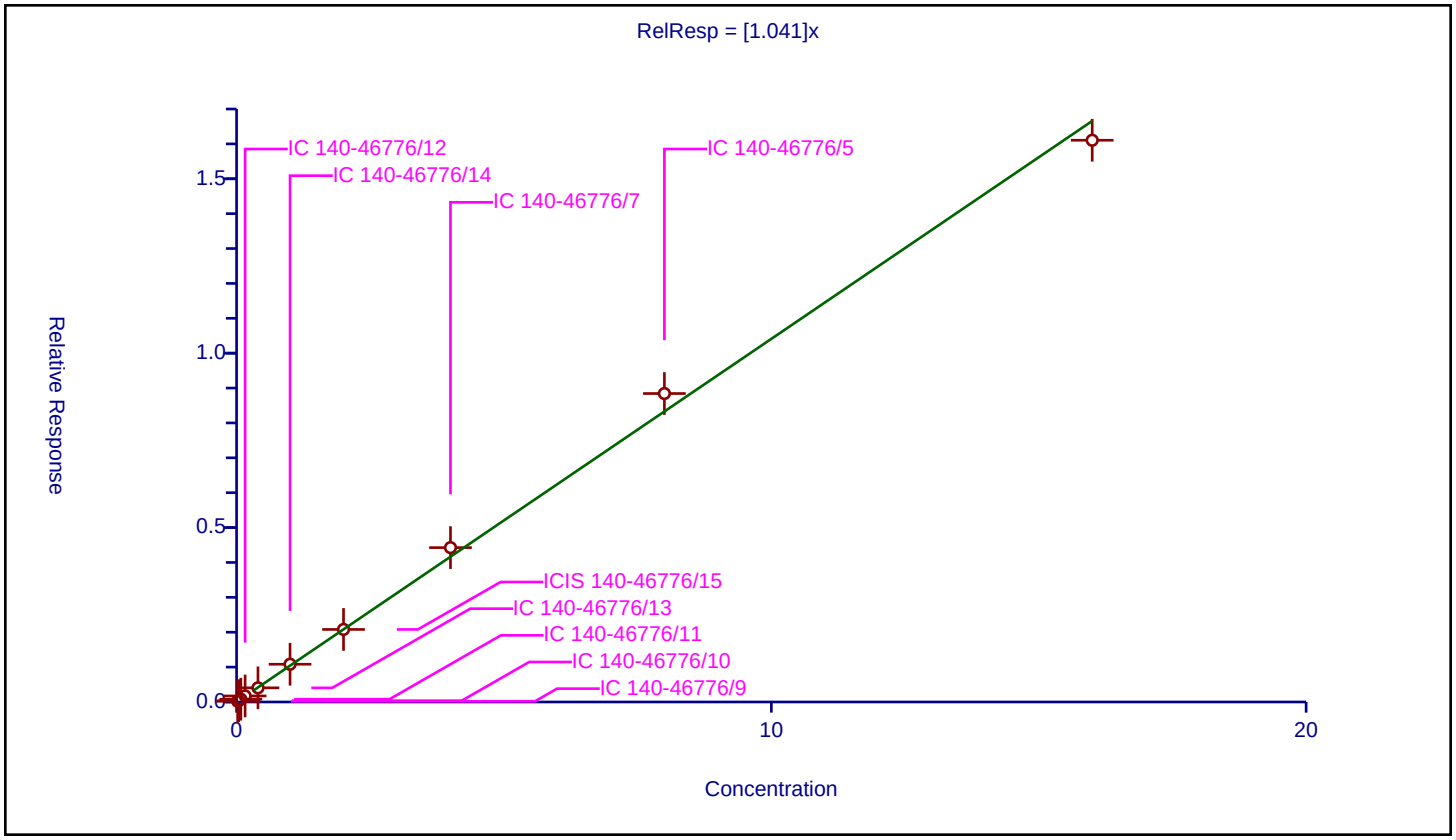
Curve Coefficients

Intercept:	0
Slope:	1.041

Error Coefficients

Standard Error:	2450000
Relative Standard Error:	5.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.02055	4.8	1739215.0	1.027498	Y
2	IC 140-46776/10	0.04	0.037934	4.8	1758697.0	0.948361	Y
3	IC 140-46776/11	0.08	0.07986	4.8	1715217.0	0.998253	Y
4	IC 140-46776/12	0.16	0.173196	4.8	1744119.0	1.082472	Y
5	IC 140-46776/13	0.4	0.405531	4.8	1706433.0	1.013827	Y
6	IC 140-46776/14	1.0	1.082036	4.8	1744759.0	1.082036	Y
7	ICIS 140-46776/15	2.0	2.07952	4.8	1797479.0	1.03976	Y
8	IC 140-46776/7	4.0	4.425425	4.8	1867501.0	1.106356	Y
9	IC 140-46776/5	8.0	8.843118	4.8	1901091.0	1.10539	Y
10	IC 140-46776/3	16.0	16.105013	4.8	1840771.0	1.006563	Y



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

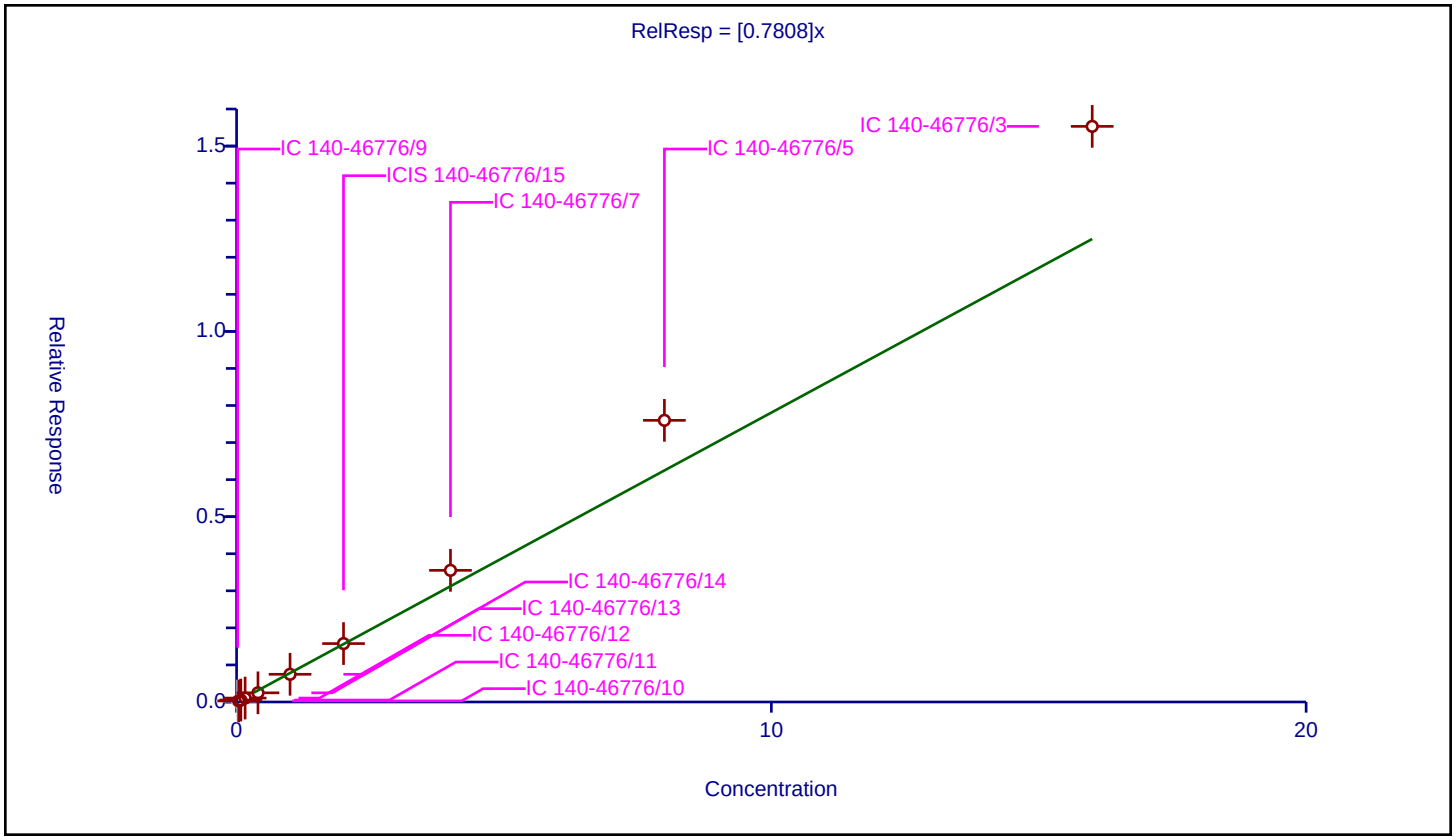
Curve Coefficients

Intercept:	0
Slope:	0.7808

Error Coefficients

Standard Error:	2420000
Relative Standard Error:	16.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.024773	4.8	1739215.0	1.238628	N
2	IC 140-46776/10	0.04	0.029657	4.8	1758697.0	0.741413	Y
3	IC 140-46776/11	0.08	0.052925	4.8	1715217.0	0.661561	Y
4	IC 140-46776/12	0.16	0.105882	4.8	1744119.0	0.661761	Y
5	IC 140-46776/13	0.4	0.247489	4.8	1706433.0	0.618722	Y
6	IC 140-46776/14	1.0	0.74725	4.8	1744759.0	0.74725	Y
7	ICIS 140-46776/15	2.0	1.575957	4.8	1797479.0	0.787978	Y
8	IC 140-46776/7	4.0	3.551867	4.8	1867501.0	0.887967	Y
9	IC 140-46776/5	8.0	7.599084	4.8	1901091.0	0.949886	Y
10	IC 140-46776/3	16.0	15.531517	4.8	1840771.0	0.97072	Y



Calibration / Naphthalene

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

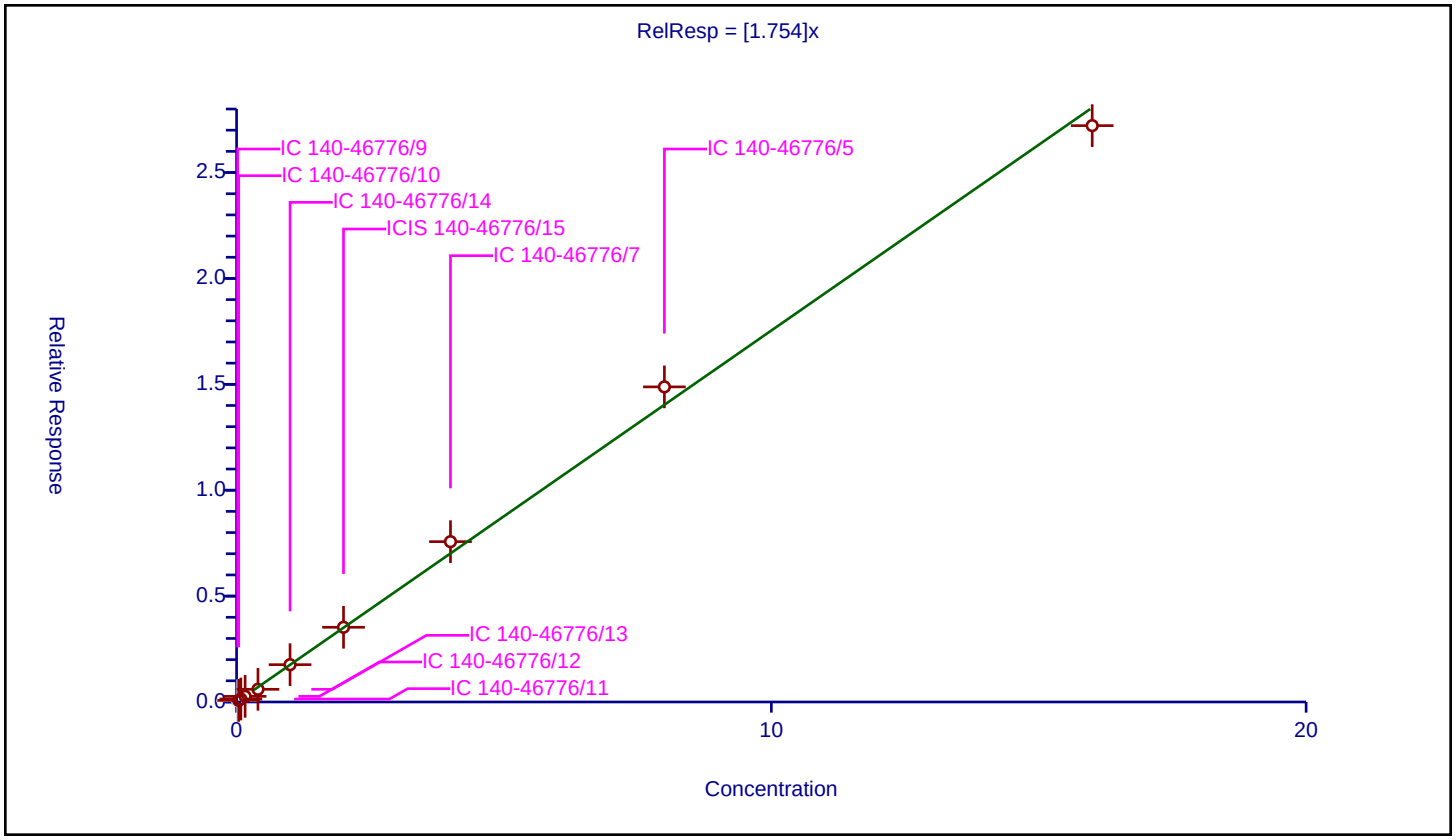
Curve Coefficients

Intercept:	0
Slope:	1.754

Error Coefficients

Standard Error:	4400000
Relative Standard Error:	7.2
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.060242	4.8	1739215.0	3.012118	N
2	IC 140-46776/10	0.04	0.075735	4.8	1758697.0	1.893379	Y
3	IC 140-46776/11	0.08	0.140193	4.8	1715217.0	1.752408	Y
4	IC 140-46776/12	0.16	0.266261	4.8	1744119.0	1.66413	Y
5	IC 140-46776/13	0.4	0.598557	4.8	1706433.0	1.496392	Y
6	IC 140-46776/14	1.0	1.761967	4.8	1744759.0	1.761967	Y
7	ICIS 140-46776/15	2.0	3.527837	4.8	1797479.0	1.763918	Y
8	IC 140-46776/7	4.0	7.571461	4.8	1867501.0	1.892865	Y
9	IC 140-46776/5	8.0	14.878995	4.8	1901091.0	1.859874	Y
10	IC 140-46776/3	16.0	27.215842	4.8	1840771.0	1.70099	Y



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

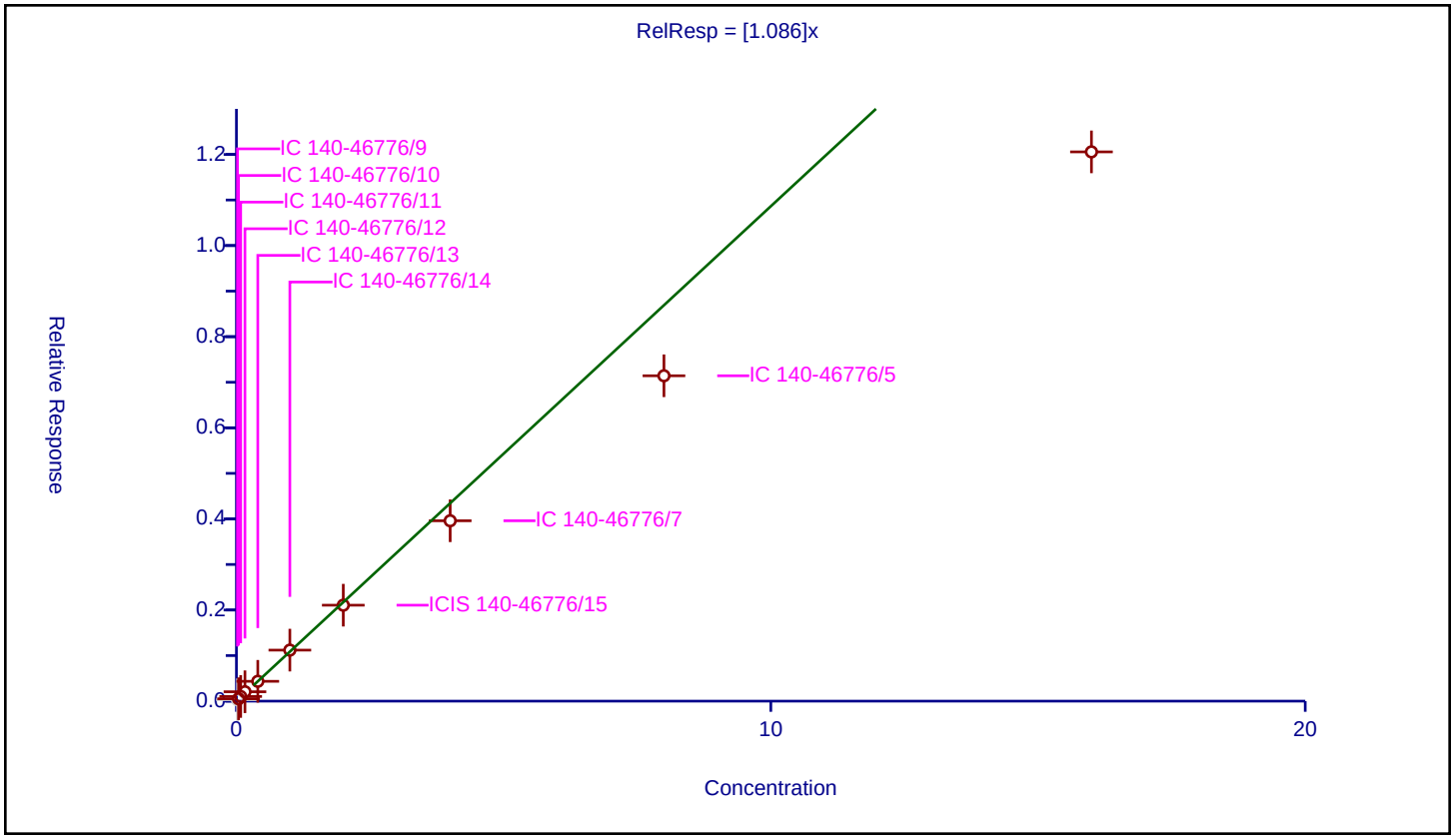
Curve Coefficients

Intercept:	0
Slope:	1.086

Error Coefficients

Standard Error:	2020000
Relative Standard Error:	17.5
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.954

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.030974	4.8	1739215.0	1.548699	N
2	IC 140-46776/10	0.04	0.052479	4.8	1758697.0	1.311971	Y
3	IC 140-46776/11	0.08	0.102293	4.8	1715217.0	1.27866	Y
4	IC 140-46776/12	0.16	0.206144	4.8	1744119.0	1.288398	Y
5	IC 140-46776/13	0.4	0.435184	4.8	1706433.0	1.087961	Y
6	IC 140-46776/14	1.0	1.119892	4.8	1744759.0	1.119892	Y
7	ICIS 140-46776/15	2.0	2.106163	4.8	1797479.0	1.053082	Y
8	IC 140-46776/7	4.0	3.959632	4.8	1867501.0	0.989908	Y
9	IC 140-46776/5	8.0	7.142028	4.8	1901091.0	0.892753	Y
10	IC 140-46776/3	16.0	12.056602	4.8	1840771.0	0.753538	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

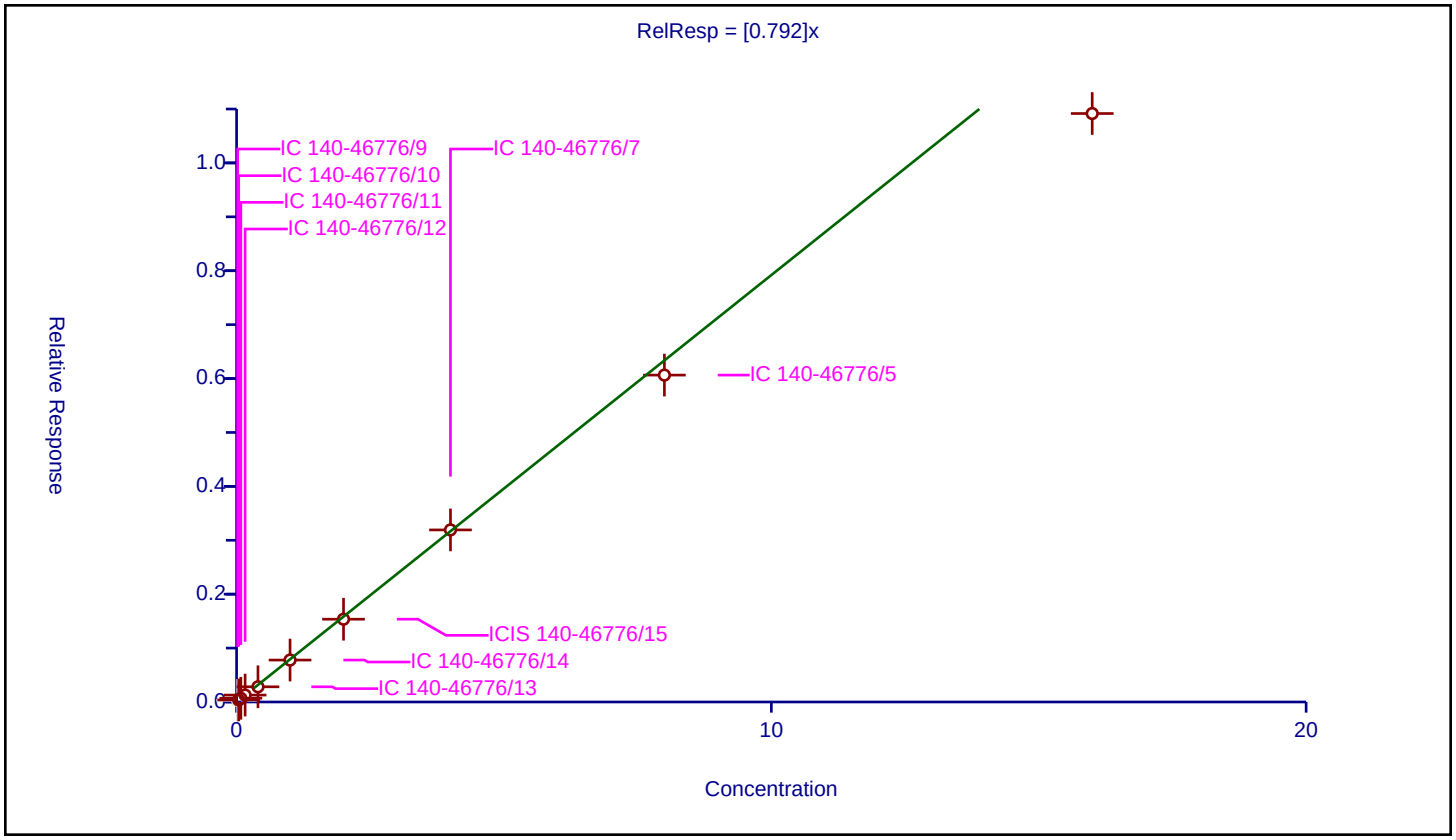
Curve Coefficients

Intercept:	0
Slope:	0.792

Error Coefficients

Standard Error:	1780000
Relative Standard Error:	11.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.02	0.029401	4.8	1739215.0	1.470043	N
2	IC 140-46776/10	0.04	0.039034	4.8	1758697.0	0.975859	Y
3	IC 140-46776/11	0.08	0.069002	4.8	1715217.0	0.862526	Y
4	IC 140-46776/12	0.16	0.128256	4.8	1744119.0	0.801602	Y
5	IC 140-46776/13	0.4	0.281519	4.8	1706433.0	0.703798	Y
6	IC 140-46776/14	1.0	0.777795	4.8	1744759.0	0.777795	Y
7	ICIS 140-46776/15	2.0	1.535537	4.8	1797479.0	0.767769	Y
8	IC 140-46776/7	4.0	3.191804	4.8	1867501.0	0.797951	Y
9	IC 140-46776/5	8.0	6.064271	4.8	1901091.0	0.758034	Y
10	IC 140-46776/3	16.0	10.916279	4.8	1840771.0	0.682267	Y



Calibration / 2-Methylnaphthalene

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

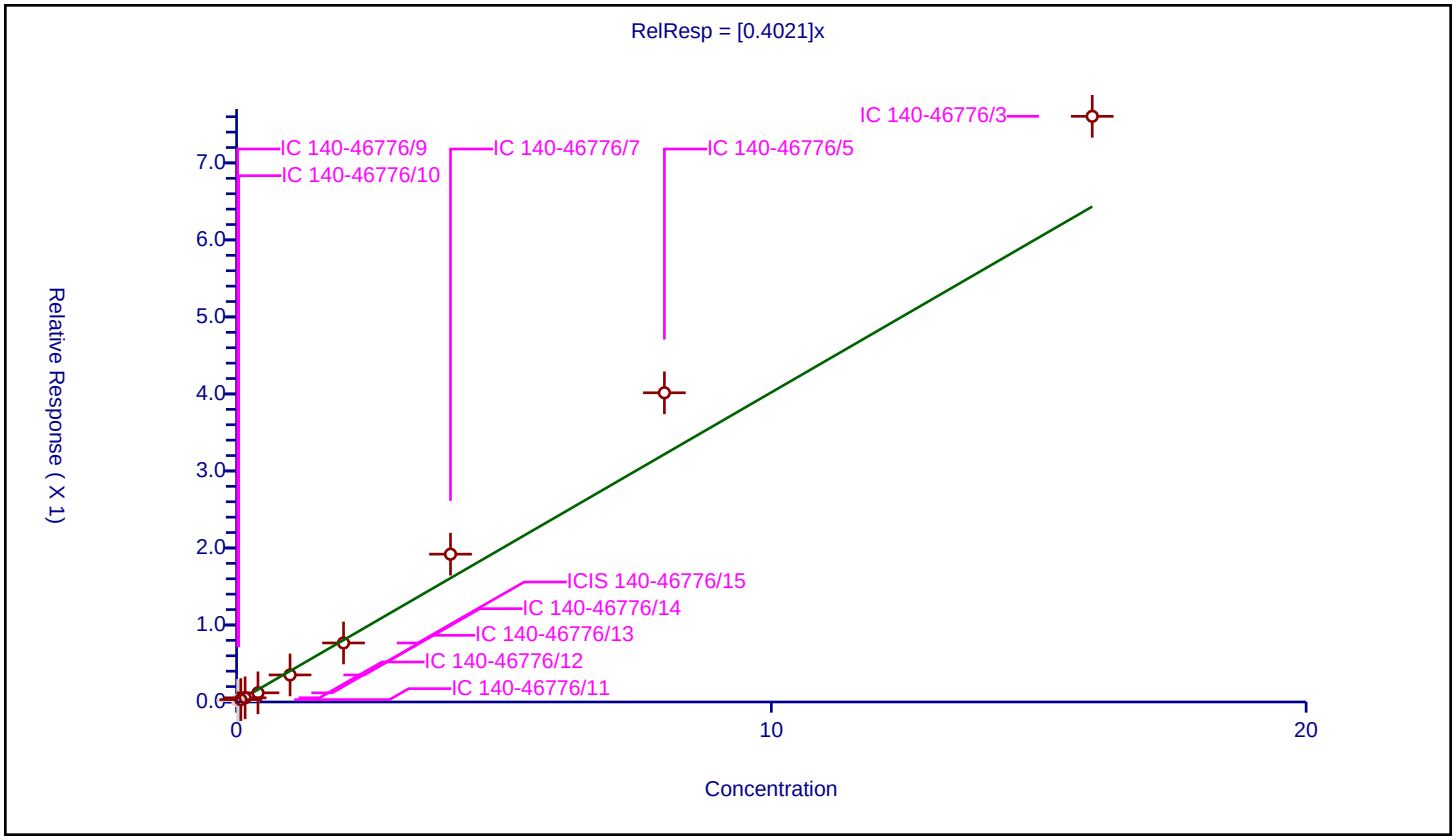
Curve Coefficients

Intercept:	0
Slope:	0.4021

Error Coefficients

Standard Error:	1290000
Relative Standard Error:	18.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.960

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.020001	0.019153	4.8	1739215.0	0.957626	N
2	IC 140-46776/10	0.040002	0.018999	4.8	1758697.0	0.474942	N
3	IC 140-46776/11	0.080004	0.030929	4.8	1715217.0	0.386591	Y
4	IC 140-46776/12	0.160008	0.05453	4.8	1744119.0	0.340797	Y
5	IC 140-46776/13	0.40002	0.119016	4.8	1706433.0	0.297525	Y
6	IC 140-46776/14	1.00005	0.351373	4.8	1744759.0	0.351355	Y
7	ICIS 140-46776/15	2.0001	0.766449	4.8	1797479.0	0.383206	Y
8	IC 140-46776/7	4.000199	1.919446	4.8	1867501.0	0.479838	Y
9	IC 140-46776/5	8.000399	4.015239	4.8	1901091.0	0.50188	Y
10	IC 140-46776/3	16.000797	7.605004	4.8	1840771.0	0.475289	Y



Calibration / 1-Methylnaphthalene

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

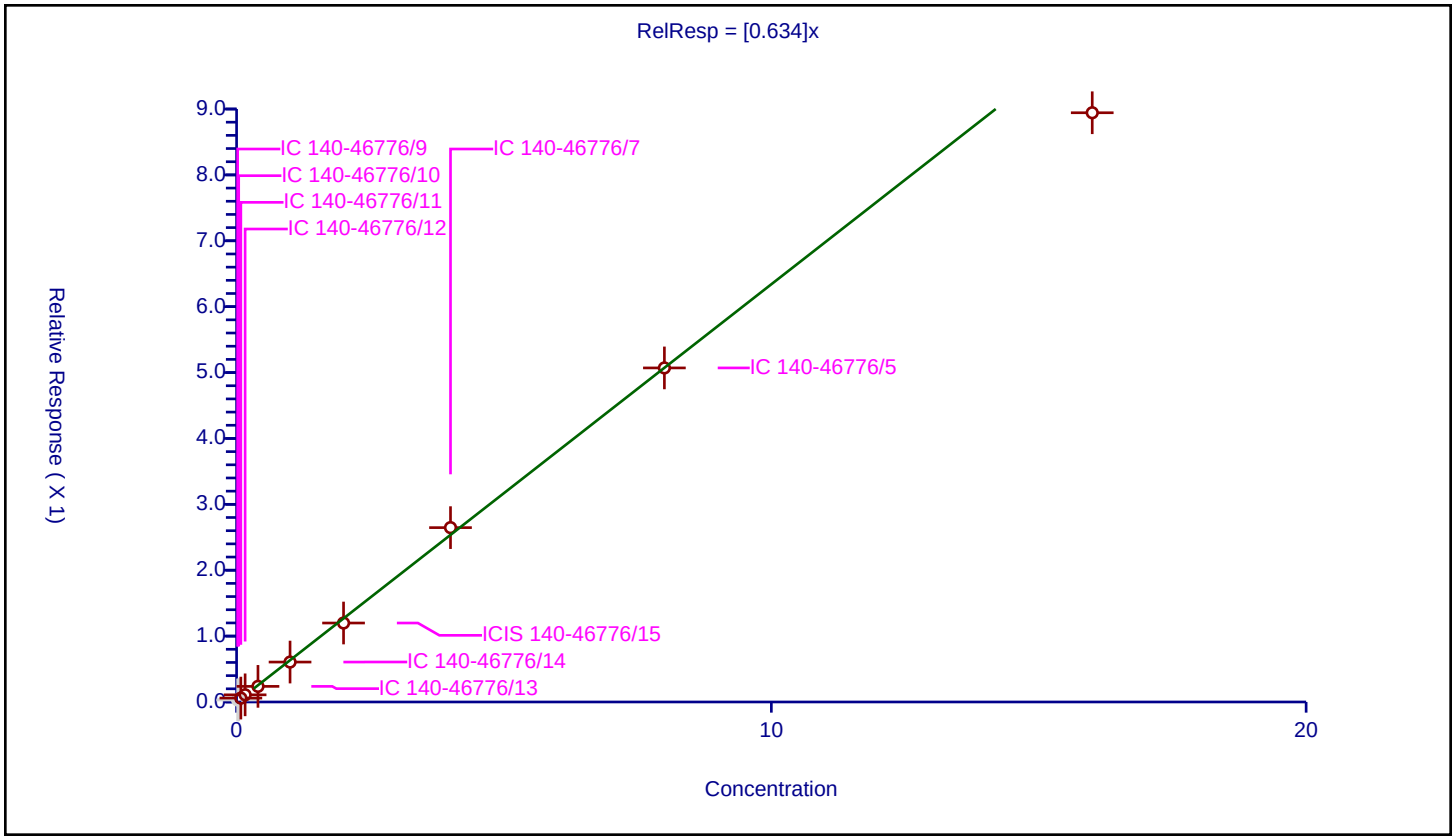
Curve Coefficients

Intercept:	0
Slope:	0.634

Error Coefficients

Standard Error:	1560000
Relative Standard Error:	9.1
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46776/9	0.020001	0.030665	4.8	1739215.0	1.533167	N
2	IC 140-46776/10	0.040002	0.034725	4.8	1758697.0	0.868077	N
3	IC 140-46776/11	0.080004	0.059221	4.8	1715217.0	0.740231	Y
4	IC 140-46776/12	0.160008	0.108708	4.8	1744119.0	0.679392	Y
5	IC 140-46776/13	0.40002	0.237121	4.8	1706433.0	0.592772	Y
6	IC 140-46776/14	1.00005	0.606045	4.8	1744759.0	0.606014	Y
7	ICIS 140-46776/15	2.0001	1.198788	4.8	1797479.0	0.599364	Y
8	IC 140-46776/7	4.000199	2.646558	4.8	1867501.0	0.661607	Y
9	IC 140-46776/5	8.000399	5.070312	4.8	1901091.0	0.633757	Y
10	IC 140-46776/3	16.000797	8.94334	4.8	1840771.0	0.558931	Y



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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-46159/9	SA20IC01.D
Level 2	IC 140-46159/10	SA20IC02.D
Level 3	IC 140-46159/11	SA20IC03.D
Level 4	IC 140-46159/12	SA20IC04.D
Level 5	IC 140-46159/13	SA20IC05.D
Level 6	IC 140-46159/14	SA20IC06.D
Level 7	ICIS 140-46159/15	SA20IC07.D
Level 8	IC 140-46159/21	SA20IC08R.D
Level 9	IC 140-46159/5	SA20IC09.D
Level 10	IC 140-46159/3	SA20IC10.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	+++++ 2.5764	2.4273 2.5684	2.7530 2.4893	2.7025 2.3668	2.7151 2.4118	Ave		2.5567				5.6		30.0			
Propene	+++++ 1.1553	+++++ 1.1076	+++++ 1.0927	+++++ 1.0676	1.1763 1.0501	Ave		1.1083				4.4		30.0			
Dichlorodifluoromethane	+++++ 3.8180	+++++ 3.7901	3.9404 3.8171	3.9062 3.5765	3.8056 3.6189	Ave		3.7841				3.3		30.0			
Chloromethane	+++++ 0.2586	+++++ 0.2739	0.2843 0.2468	0.2728 0.2368	0.2969 0.2226	Ave		0.2616				9.6		30.0			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	+++++ 1.8976	2.0170 1.8971	2.0168 1.8495	1.9865 1.7579	1.9141 1.7618	Ave		1.8998				5.2		30.0			
Vinyl chloride	0.9494 0.8659	0.8528 0.8794	0.8945 0.8298	0.8317 0.8942	0.8712 0.7938	Ave		0.8663				5.0		30.0			
1,3-Butadiene	+++++ 0.6294	+++++ 0.6521	0.7070 0.6374	0.6774 0.7535	0.6710 0.6226	Ave		0.6688				6.6		30.0			
Butane	+++++ 1.1635	+++++ 1.1670	1.2818 1.1210	1.2327 1.3131	1.1441 1.0827	Ave		1.1882				6.7		30.0			
Bromomethane	+++++ 0.8367	+++++ 0.8595	1.1250 0.8436	1.0077 0.8997	0.8847 0.8173	Ave		0.9093				11.6		30.0			
Chloroethane	+++++ 0.3903	+++++ 0.3887	0.4199 0.3727	0.3640 0.4195	0.3803 0.3688	Ave		0.3880				5.6		30.0			
Ethanol	+++++ 0.2882	+++++ 0.3176	+++++ 0.3093	0.3894 0.3508	0.3345 0.2876	Ave		0.3253				11.2		30.0			
Vinyl bromide	1.3364 1.2554	1.2927 1.3020	1.2552 1.3031	1.2898 1.2601	1.2529 1.2355	Ave		1.2783				2.4		30.0			
2-Methylbutane	+++++ 1.6848	+++++ 1.6279	+++++ 1.6121	1.7621 1.5540	1.6902 1.5244	Ave		1.6365				5.1		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.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

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								
Trichlorofluoromethane	+++++ 3.7070	4.1857 3.7378	3.9464 3.7443	3.9620 3.5508	3.8404 3.6521	Ave		3.8140				5.0		30.0			
Acrolein	+++++ 0.4554	+++++ 0.3644	+++++ 0.4404	0.5167 0.4197	0.4550 0.3955	Ave		0.4353				11.2		30.0			
Acetonitrile	+++++ 0.5643	+++++ 0.6217	+++++ 0.5942	+++++ 0.5911	0.5688 0.6001	Ave		0.5900				3.6		30.0			
Acetone	+++++ 0.8260	+++++ 0.7259	+++++ 0.6735	+++++ 0.6405	1.0007 0.6039	Ave		0.7451				19.7		30.0			
Isopropyl alcohol	+++++ 1.6995	+++++ 1.8529	1.8029 1.7911	1.7388 1.7239	1.7041 1.6490	Ave		1.7453				3.8		30.0			
Pentane	+++++ 0.2281	+++++ 0.2282	+++++ 0.2248	0.2406 0.2117	0.2309 0.1904	Ave		0.2221				7.4		30.0			
Ethyl ether	+++++ 1.3992	+++++ 1.4379	1.3884 1.4397	1.3550 1.3979	1.3928 1.4115	Ave		1.4028				2.0		30.0			
1,1-Dichloroethene	1.3765 1.3700	1.4820 1.3888	1.2471 1.3908	1.3071 1.3459	1.3466 1.3208	Ave		1.3576				4.6		30.0			
Acrylonitrile	+++++ 1.0697	+++++ 1.1027	1.1037 1.0919	1.0567 1.0668	1.0564 1.0777	Ave		1.0782				1.8		30.0			
tert-Butyl alcohol	2.1839 2.2259	2.0509 2.4990	2.1427 2.4771	2.1333 2.4488	2.1576 2.4399	Ave		2.2759				7.5		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 3.0743	3.2022 3.0520	3.1638 3.0180	3.2512 2.8614	3.0885 2.7966	Ave		3.0564				4.9		30.0			
Methylene Chloride	+++++ 1.5167	+++++ 1.3868	+++++ 1.3388	+++++ 1.2159	2.0105 1.1869	Ave		1.4426				21.0		30.0			
3-Chloropropene	+++++ 1.0078	+++++ 1.1405	1.2175 1.1893	1.1856 1.1488	1.1369 1.2145	Ave		1.1551				5.8		30.0			
Carbon disulfide	+++++ 3.5332	+++++ 3.7112	+++++ 3.7957	3.6860 3.7393	3.4585 3.7700	Ave		3.6705				3.4		30.0			
trans-1,2-Dichloroethene	1.4003 1.3939	1.3949 1.4283	1.3477 1.4175	1.3558 1.3457	1.3508 1.2884	Ave		1.3723				3.1		30.0			
2-Methylpentane	3.0651 3.0842	2.8677 3.1158	3.0003 3.1041	2.8014 2.9339	2.9312 2.8094	Ave		2.9713				4.0		30.0			
Methyl tert-butyl ether	+++++ 3.4762	+++++ 3.6460	+++++ 3.7237	3.0524 3.6114	3.3090 3.6389	Ave		3.4939				6.8		30.0			
1,1-Dichloroethane	2.7486 2.6449	2.7612 2.6700	2.7208 2.6723	2.7123 2.5706	2.7132 2.6000	Ave		2.6814				2.3		30.0			
Vinyl acetate	+++++ 3.1229	+++++ 3.2648	+++++ 3.5428	+++++ 3.5582	2.7937 3.8275	Ave		3.3516				11.0		30.0			
2-Butanone (MEK)	+++++ 0.6714	+++++ 0.6635	+++++ 0.6683	0.7140 0.6502	0.6605 0.6253	Ave		0.6648				4.0		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.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

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								
Hexane	+++++ 1.1840	1.1217 1.1909	1.1941 1.1728	1.1529 1.1237	1.1793 1.1204	Ave		1.1600				2.7		30.0			
cis-1,2-Dichloroethene	1.4729 1.4329	1.1830 1.4746	1.3346 1.4852	1.3802 1.4407	1.4167 1.4620	Ave		1.4083				6.5		30.0			
Ethyl acetate	+++++ 3.0645	3.0468 3.1486	2.8908 3.2129	2.9266 3.1712	2.9765 3.3374	Ave		3.0861				4.7		30.0			
Chloroform	3.2591 3.0310	3.4054 3.0419	3.2636 3.0634	3.1975 2.9484	3.1772 3.0564	Ave		3.1444				4.4		30.0			
Tetrahydrofuran	+++++ 1.4878	+++++ 1.5509	+++++ 1.5676	1.3432 1.5558	1.4195 1.6218	Ave		1.5067				6.4		30.0			
1,1,1-Trichloroethane	2.9946 2.9649	2.9247 3.0716	2.8892 3.1092	2.8551 3.0342	2.9035 3.2038	Ave		2.9951				3.7		30.0			
1,2-Dichloroethane	0.4825 0.4272	0.4671 0.4207	0.4800 0.4276	0.4310 0.4111	0.4247 0.4325	Ave		0.4404				5.9		30.0			
1-Butanol	+++++ 0.0768	+++++ 0.0919	+++++ 0.0987	+++++ 0.1010	0.0743 0.1051	Ave		0.0913				14.2		30.0			
Cyclohexane	+++++ 0.1333	+++++ 0.1341	+++++ 0.1307	0.1167 0.1210	0.1207 0.1100	Ave		0.1238				7.4		30.0			
Benzene	+++++ 0.8854	+++++ 0.8840	0.9578 0.8780	0.8949 0.8011	0.8991 0.7312	Ave		0.8665				8.0		30.0			
Carbon tetrachloride	0.5841 0.5238	0.5536 0.5917	0.5525 0.6360	0.5557 0.6094	0.5845 0.6452	Ave		0.5837				6.6		30.0			
2,3-Dimethylpentane	+++++ 0.1813	+++++ 0.1932	0.1469 0.1932	0.1592 0.1797	0.1805 0.1732	Ave		0.1759				9.1		30.0			
Thiophene	0.4839 0.5054	0.4650 0.5189	0.4479 0.5258	0.4703 0.4972	0.4897 0.4973	Ave		0.4901				4.9		30.0			
2,2,4-Trimethylpentane	1.4773 1.4429	1.3589 1.4611	1.2926 1.4674	1.3187 1.3981	1.3714 1.3736	Ave		1.3962				4.6		30.0			
Heptane	+++++ 0.2718	+++++ 0.2823	+++++ 0.2885	0.2190 0.2734	0.2498 0.2646	Ave		0.2642				8.9		30.0			
1,2-Dichloropropane	0.3626 0.3439	0.3467 0.3512	0.3540 0.3442	0.3529 0.3268	0.3354 0.3149	Ave		0.3433				4.1		30.0			
Trichloroethene	0.4074 0.3856	0.3795 0.3905	0.3962 0.3947	0.3761 0.3657	0.3839 0.3594	Ave		0.3839				3.8		30.0			
Dibromomethane	+++++ 0.3619	+++++ 0.3658	0.3862 0.3720	0.3732 0.3525	0.3612 0.3543	Ave		0.3659				3.0		30.0			
Bromodichloromethane	0.5807 0.6081	0.5636 0.6319	0.5187 0.6580	0.5327 0.6356	0.5770 0.6604	Ave		0.5967				8.4		30.0			
1,4-Dioxane	+++++ 0.1151	+++++ 0.1337	+++++ 0.1310	0.1081 0.1237	0.1141 0.1172	Ave		0.1204				7.8		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.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

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								
Methyl methacrylate	+++++ 0.3556	+++++ 0.3827	+++++ 0.3955	0.2859 0.3882	0.3260 0.4041	Ave		0.3626				11.9		30.0			
Methylcyclohexane	+++++ 0.4917	+++++ 0.5203	0.4032 0.5369	0.4126 0.5078	0.4623 0.4999	QuaF		0.5259	-0.001649						1.0000		0.9900
4-Methyl-2-pentanone (MIBK)	+++++ 0.6373	+++++ 0.6869	+++++ 0.7034	0.5274 0.6858	0.5972 0.7127	Ave		0.6501				10.4		30.0			
cis-1,3-Dichloropropene	+++++ 0.4592	+++++ 0.4939	0.3473 0.5149	0.3818 0.4984	0.4229 0.5165	Ave		0.4544				14.1		30.0			
trans-1,3-Dichloropropene	+++++ 0.4393	+++++ 0.4950	0.3602 0.5328	0.3463 0.5248	0.3888 0.5452	Ave		0.4540				17.9		30.0			
Toluene	+++++ 1.2124	+++++ 1.2216	1.2429 1.2375	1.1512 1.1738	1.1849 1.1476	Ave		1.1965				3.1		30.0			
1,1,2-Trichloroethane	+++++ 0.3825	0.3792 0.3800	0.3703 0.3796	0.3696 0.3551	0.3782 0.3474	Ave		0.3713				3.3		30.0			
2-Hexanone	+++++ 0.3696	+++++ 0.4108	+++++ 0.4287	0.2478 0.4162	0.3013 0.4218	Ave		0.3709				18.9		30.0			
Octane	+++++ 0.3540	+++++ 0.3720	+++++ 0.3774	0.2585 0.3515	0.3248 0.3380	Ave		0.3394				11.8		30.0			
C8 Range	+++++ 2.9606	+++++ 2.9877	+++++ 2.9655	+++++ 2.7709	2.8572 2.7614	Ave		2.8839				3.5		30.0			
Dibromochloromethane	+++++ 0.6474	+++++ 0.7123	0.4821 0.7694	0.5261 0.7449	0.5728 0.7728	Ave		0.6535				17.5		30.0			
1,2-Dibromoethane (EDB)	0.6785 0.6805	0.5949 0.6956	0.5935 0.7107	0.6235 0.6786	0.6418 0.6803	Ave		0.6578				6.3		30.0			
Tetrachloroethene	0.4648 0.4388	0.4523 0.4408	0.4305 0.4372	0.4244 0.4074	0.4378 0.3979	Ave		0.4332				4.5		30.0			
Chlorobenzene	+++++ 0.9783	+++++ 0.9711	1.1004 0.9566	1.0043 0.8763	0.9760 0.8142	Ave		0.9597				8.9		30.0			
Ethylbenzene	+++++ 1.5508	+++++ 1.5911	1.3001 1.6402	1.3369 1.5497	1.4652 1.5483	Ave		1.4978				8.1		30.0			
m-Xylene & p-Xylene	1.0233 1.2488	0.9714 1.2593	0.9835 1.2582	1.0678 1.1684	1.1921 1.1484	Ave		1.1321				10.0		30.0			
Nonane	+++++ 0.7985	+++++ 0.8323	+++++ 0.8416	0.6069 0.7743	0.7154 0.7523	Ave		0.7602				10.6		30.0			
Bromoform	+++++ 0.5689	+++++ 0.6518	0.3938 0.7360	0.3723 0.7126	0.4376 0.7365	Ave		0.5762				27.0		30.0			
Styrene	+++++ 0.8889	+++++ 0.9523	0.5251 0.9832	0.6323 0.8973	0.7668 0.8415	Ave		0.8109				19.8		30.0			
o-Xylene	+++++ 1.3394	+++++ 1.3542	1.1248 1.3538	1.2338 1.2639	1.2930 1.2783	Ave		1.2802				6.0		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.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

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								
1,1,2,2-Tetrachloroethane	+++++ 1.0173	0.9532 1.0326	0.9426 1.0398	0.9451 0.9775	0.9954 0.9712	Ave		0.9861				3.8		30.0			
1,2,3-Trichloropropane	+++++ 0.2779	+++++ 0.2687	+++++ 0.2776	0.2386 0.2609	0.2676 0.2681	Ave		0.2656				5.0		30.0			
Isopropylbenzene	+++++ 1.7653	+++++ 1.7950	+++++ 1.8402	1.4740 1.7292	1.6280 1.7418	Ave		1.7105				7.2		30.0			
Propylbenzene	+++++ 0.4686	+++++ 0.4976	+++++ 0.5127	0.3727 0.4784	0.4292 0.4839	Ave		0.4633				10.3		30.0			
2-Chlorotoluene	0.4385 0.4516	0.4005 0.4663	0.4273 0.4663	0.4200 0.4380	0.4462 0.4380	Ave		0.4393				4.6		30.0			
4-Ethyltoluene	+++++ 1.8493	+++++ 1.8807	+++++ 1.9139	1.5454 1.8085	1.7218 1.8413	Ave		1.7944				7.0		30.0			
1,3,5-Trimethylbenzene	+++++ 0.7543	+++++ 0.7599	0.5964 0.7747	0.6249 0.7234	0.6889 0.7238	Ave		0.7058				9.2		30.0			
Alpha Methyl Styrene	+++++ 0.6811	+++++ 0.7490	+++++ 0.8103	0.3985 0.7941	0.5215 0.8200	Lin2	-0.069	0.7871							0.9950		0.9900
Decane	+++++ 1.1695	+++++ 1.1399	+++++ 1.1203	+++++ 1.0236	1.1130 0.9769	Ave		1.0905				6.8		30.0			
tert-Butylbenzene	+++++ 1.6394	+++++ 1.6411	+++++ 1.6461	1.4477 1.5133	1.5517 1.4953	Ave		1.5621				5.2		30.0			
1,2,4-Trimethylbenzene	+++++ 1.5824	+++++ 1.6003	1.2926 1.5875	1.4137 1.4624	1.5286 1.4462	Ave		1.4892				7.1		30.0			
sec-Butylbenzene	+++++ 2.2879	+++++ 2.3190	+++++ 2.3497	1.8742 2.1757	2.0850 2.1307	Ave		2.1746				7.6		30.0			
1,3-Dichlorobenzene	+++++ 1.0433	+++++ 1.0421	1.0706 1.0494	1.0449 0.9769	1.0302 0.9633	Ave		1.0276				3.6		30.0			
Benzyl chloride	+++++ 1.1168	+++++ 1.2193	+++++ 1.3507	0.6424 1.3190	0.7743 1.3518	Ave		1.1106				26.1		30.0			
1,4-Dichlorobenzene	+++++ 1.0239	1.0290 1.0284	1.0462 1.0453	0.9972 0.9746	0.9975 0.9608	Ave		1.0114				3.0		30.0			
4-Isopropyltoluene	+++++ 1.9219	+++++ 1.9324	1.3742 1.9481	1.5808 1.8355	1.7666 1.8549	Ave		1.7768				11.4		30.0			
1,2,3-Trimethylbenzene	+++++ 1.6214	+++++ 1.6202	1.2420 1.6396	1.4166 1.5440	1.4917 1.5859	Ave		1.5202				8.9		30.0			
Indane	+++++ 1.4870	+++++ 1.4969	1.1510 1.4950	1.2522 1.3816	1.3744 1.3257	Ave		1.3705				9.1		30.0			
1,2-Dichlorobenzene	+++++ 1.0516	1.0609 1.0298	1.0980 1.0172	1.0718 0.9345	1.0271 0.9050	Ave		1.0218				6.2		30.0			
Butylbenzene	+++++ 1.9873	+++++ 1.9636	+++++ 1.9322	1.7650 1.7558	1.8234 1.6894	Ave		1.8453				6.3		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.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

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								
Indene	+++++ 1.2851	+++++ 1.3195	+++++ 1.3560	0.9515 1.2538	1.1320 1.2220	Ave		1.2171				11.3		30.0			
Undecane	+++++ 1.3330	+++++ 1.3144	+++++ 1.3046	+++++ 1.1924	1.1992 1.1289	Ave		1.2454				6.7		30.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.4590	+++++ 0.5082	0.3060 0.5482	0.3216 0.5465	0.3514 0.5795	Ave		0.4525				24.5		30.0			
1,2,4,5-Tetramethylbenzene	+++++ 1.7055	+++++ 1.7765	1.0116 1.8625	1.2134 1.7746	1.4283 1.8314	Ave		1.5755				20.3		30.0			
Dodecane	+++++ 1.3944	+++++ 1.3331	+++++ 1.3635	+++++ 1.2660	1.0617 1.1938	Ave		1.2687				9.8		30.0			
1,2,4-Trichlorobenzene	+++++ 0.7804	0.6944 0.7917	0.7157 0.8476	0.7138 0.8361	0.6679 0.8698	Ave		0.7686				9.6		30.0			
Naphthalene	2.1576 1.8839	1.4504 1.9133	1.4282 2.0507	1.6463 2.0339	1.5064 2.1270	Ave		1.8198				15.7		30.0			
Hexachlorobutadiene	+++++ 0.7279	+++++ 0.6849	0.8279 0.6869	0.8019 0.6349	0.7124 0.5997	Ave		0.7096				10.9		30.0			
1,2,3-Trichlorobenzene	+++++ 0.6189	0.6379 0.5993	0.5924 0.6148	0.6017 0.5829	0.5451 0.5778	Ave		0.5968				4.5		30.0			
2-Methylnaphthalene	+++++ 0.2451	+++++ 0.2591	+++++ 0.3527	+++++ 0.3834	+++++ 0.4185	Ave		0.3318				23.1		50.0			
1-Methylnaphthalene	+++++ 0.4295	+++++ 0.4030	+++++ 0.5001	+++++ 0.5086	+++++ 0.5284	Ave		0.4739				11.5		50.0			
4-Bromofluorobenzene (Surr)	0.7688 0.7903	0.7734 0.7856	0.7866 0.7768	0.7855 0.7760	0.7882 0.7978	Ave		0.7829				1.1		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-46159/9	SA20IC01.D
Level 2	IC 140-46159/10	SA20IC02.D
Level 3	IC 140-46159/11	SA20IC03.D
Level 4	IC 140-46159/12	SA20IC04.D
Level 5	IC 140-46159/13	SA20IC05.D
Level 6	IC 140-46159/14	SA20IC06.D
Level 7	ICIS 140-46159/15	SA20IC07.D
Level 8	IC 140-46159/21	SA20IC08R.D
Level 9	IC 140-46159/5	SA20IC09.D
Level 10	IC 140-46159/3	SA20IC10.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	+++++ 126004	4514 256341	10234 509991	20419 933672	52216 1609598	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Propene	CBM	Ave	+++++ 56501	+++++ 110543	+++++ 223859	+++++ 421152	22622 700855	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
Dichlorodifluoromethane	CBM	Ave	+++++ 186727	+++++ 378280	14648 782010	29514 1410893	73187 2415229	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloromethane	CBM	Ave	+++++ 12646	+++++ 27334	1057 50555	2061 93432	5709 148592	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	CBM	Ave	+++++ 92803	3751 189345	7497 378900	15009 693469	36811 1175835	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl chloride	CBM	Ave	876 42346	1586 87772	3325 170001	6284 352752	16755 529786	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,3-Butadiene	CBM	Ave	+++++ 30782	+++++ 65086	2628 130577	5118 297242	12905 415484	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Butane	CBM	Ave	+++++ 56905	+++++ 116475	4765 229663	9314 518002	22002 722580	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromomethane	CBM	Ave	+++++ 40919	+++++ 85787	4182 172837	7614 354909	17015 545443	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroethane	CBM	Ave	+++++ 19088	+++++ 38799	1561 76358	2750 165482	7314 246102	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethanol	CBM	Ave	+++++ 70480	+++++ 158500	+++++ 316844	14711 691873	32167 959582	+++++ 5.00	+++++ 10.0	+++++ 20.0	0.800 40.0	2.00 80.0
Vinyl bromide	CBM	Ave	1233 61397	2404 129950	4666 266959	9745 497098	24096 824564	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylbutane	CBM	Ave	+++++ 82399	+++++ 162479	+++++ 330282	13314 613023	32506 1017362	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Trichlorofluoromethane	CBM	Ave	+++++	7784	14670	29935	73857	+++++	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.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

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
			181294	373058	767092	1400752	2437335	1.00	2.00	4.00	8.00	16.0
Acrolein	CBM	Ave	+++++ 22271	+++++ 36368	+++++ 90217	3904 165577	8750 263953	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Acetonitrile	CBM	Ave	+++++ 27597	+++++ 62050	+++++ 121741	+++++ 233171	10939 400467	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
Acetone	CBM	Ave	+++++ 121186	+++++ 217354	+++++ 413932	+++++ 758041	57735 1209113	+++++ 3.00	+++++ 6.00	+++++ 12.0	+++++ 24.0	1.20 48.0
Isopropyl alcohol	CBM	Ave	+++++ 249346	+++++ 554811	20106 1100815	39414 2040216	98315 3301553	+++++ 3.00	+++++ 6.00	0.240 12.0	0.480 24.0	1.20 48.0
Pentane	CBM	Ave	+++++ 11156	+++++ 22773	+++++ 46058	1818 83511	4441 127089	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Ethyl ether	CBM	Ave	+++++ 68430	+++++ 143513	5161 294949	10238 551463	26785 942030	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1-Dichloroethene	CBM	Ave	1270 67001	2756 138612	4636 284937	9876 530940	25897 881457	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Acrylonitrile	CBM	Ave	+++++ 52317	+++++ 110062	4103 223708	7984 420859	20317 719210	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
tert-Butyl alcohol	CBM	Ave	2015 108860	3814 249416	7965 507489	16118 966026	41493 1628387	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,2-Trichloro-1,2,2-trifluoroethane	CBM	Ave	+++++ 150351	5955 304610	11761 618302	24565 1128799	59397 1866424	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methylene Chloride	CBM	Ave	+++++ 74178	+++++ 138410	+++++ 274292	+++++ 479663	38664 792142	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
3-Chloropropene	CBM	Ave	+++++ 49288	+++++ 113828	4526 243656	8958 453182	21865 810534	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon disulfide	CBM	Ave	+++++ 172795	+++++ 370404	+++++ 777630	27850 1475094	66513 2516035	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
trans-1,2-Dichloroethene	CBM	Ave	1292 68171	2594 142557	5010 290399	10244 530871	25977 859885	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylpentane	CBM	Ave	2828 150835	5333 310977	11153 635932	21166 1157380	56372 1874953	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methyl tert-butyl ether	CBM	Ave	+++++ 170007	+++++ 363900	+++++ 762886	23063 1424648	63637 2428547	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,1-Dichloroethane	CBM	Ave	2536 129352	5135 266485	10114 547471	20493 1014087	52179 1735212	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl acetate	CBM	Ave	+++++ 152729	+++++ 325853	+++++ 725816	+++++ 1403665	53727 2554417	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
2-Butanone (MEK)	CBM	Ave	+++++ 32835	+++++ 66226	+++++ 136908	5395 256499	12703 417331	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Hexane	CBM	Ave	+++++ 57904	2086 118857	4439 240266	8711 443281	22679 747713	+++++ 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.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

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
cis-1,2-Dichloroethene	CBM	Ave	1359 70079	2200 147172	4961 304282	10428 568329	27245 975735	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethyl acetate	CBM	Ave	+++++ 149872	5666 314256	10746 658230	22112 1250983	57243 2227363	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroform	CBM	Ave	3007 148235	6333 303601	12132 627611	24159 1163119	61103 2039818	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrahydrofuran	CBM	Ave	+++++ 72763	+++++ 154789	+++++ 321162	10149 613748	27299 1082348	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,1,1-Trichloroethane	CBM	Ave	2763 145004	5439 306570	10740 636977	21572 1196956	55839 2138144	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	2133 100009	4093 202684	8373 422253	15608 791819	39021 1428124	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1-Butanol	DFBZ	Ave	+++++ 17980	+++++ 44255	+++++ 97423	+++++ 194500	6830 346906	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
Cyclohexane	DFBZ	Ave	+++++ 31199	+++++ 64612	+++++ 129090	4226 233064	11086 363160	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Benzene	DFBZ	Ave	+++++ 207299	+++++ 425896	16709 867060	32407 1543047	82610 2414388	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon tetrachloride	DFBZ	Ave	2582 122642	4851 285058	9639 628056	20123 1173682	53704 2130435	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	+++++ 42439	+++++ 93070	2562 190747	5766 346051	16588 571975	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Thiophene	DFBZ	Ave	2139 118333	4075 250009	7813 519271	17030 957580	44993 1642095	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	6530 337820	11908 703925	22549 1449100	47751 2692882	126005 4535819	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Heptane	DFBZ	Ave	+++++ 63625	+++++ 136014	+++++ 284931	7930 526634	22948 873653	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,2-Dichloropropane	DFBZ	Ave	1603 80522	3038 169196	6175 339863	12780 629392	30817 1039889	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Trichloroethene	DFBZ	Ave	1801 90278	3326 188117	6912 389731	13620 704370	35276 1186678	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Dibromomethane	DFBZ	Ave	+++++ 84718	+++++ 176250	6737 367324	13513 679032	33189 1170079	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromodichloromethane	DFBZ	Ave	2567 142366	4939 304432	9048 649810	19290 1224299	53018 2180700	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,4-Dioxane	DFBZ	Ave	+++++ 26956	+++++ 64412	+++++ 129361	3913 238167	10481 386985	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Methyl methacrylate	DFBZ	Ave	+++++ 83254	+++++ 184364	+++++ 390526	10351 747791	29956 1334386	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Methylcyclohexane	DFBZ	QuaF	+++++ 115123	+++++ 250686	7034 530199	14941 978026	42472 1650728	+++++ 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.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

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
4-Methyl-2-pentanone (MIBK)	DFBZ	Ave	+++++ 149197	+++++ 330937	+++++ 694617	19098 1320955	54868 2353220	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
cis-1,3-Dichloropropene	DFBZ	Ave	+++++ 107520	+++++ 237968	6059 508420	13825 960025	38858 1705354	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
trans-1,3-Dichloropropene	CBZd5	Ave	+++++ 88593	+++++ 207890	5329 461259	10678 892363	30724 1618109	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Toluene	CBZd5	Ave	+++++ 244516	+++++ 513084	18390 1071333	35494 1995937	93640 3405904	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,2-Trichloroethane	CBZd5	Ave	+++++ 77139	2811 159597	5479 328644	11394 603751	29888 1031176	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Hexanone	CBZd5	Ave	+++++ 74544	+++++ 172530	+++++ 371154	7640 707673	23815 1251959	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Octane	CBZd5	Ave	+++++ 71399	+++++ 156229	+++++ 326700	7969 597712	25667 1003228	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
C8 Range	DFBZ	Ave	+++++ 693136	+++++ 1439392	+++++ 2928440	+++++ 5337031	262519 9118184	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
Dibromochloromethane	CBZd5	Ave	+++++ 130574	+++++ 299181	7133 666073	16221 1266586	45265 2293618	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dibromoethane (EDB)	CBZd5	Ave	2550 137258	4410 292161	8781 615210	19223 1153862	50720 2019150	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrachloroethene	CBZd5	Ave	1747 88497	3353 185153	6370 378500	13084 692711	34597 1180924	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chlorobenzene	CBZd5	Ave	+++++ 197319	+++++ 407889	16282 828143	30965 1490066	77130 2416411	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethylbenzene	CBZd5	Ave	+++++ 312778	+++++ 668276	19236 1419898	41219 2635129	115793 4595303	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
m-Xylene & p-Xylene	CBZd5	Ave	7692 503728	14402 1057882	29104 2178395	65844 3973431	188414 6816875	0.0400 2.00	0.0800 4.00	0.160 8.00	0.320 16.0	0.800 32.0
Nonane	CBZd5	Ave	+++++ 161050	+++++ 349571	+++++ 728529	18712 1316639	56539 2232667	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Bromoform	CBZd5	Ave	+++++ 114746	+++++ 273760	5827 637118	11479 1211699	34585 2185940	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Styrene	CBZd5	Ave	+++++ 179278	+++++ 399977	7769 851140	19496 1525698	60598 2497422	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
o-Xylene	CBZd5	Ave	+++++ 270144	+++++ 568795	16643 1171975	38041 2149103	102187 3793833	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,2,2-Tetrachloroethane	CBZd5	Ave	+++++ 205184	7066 433701	13946 900186	29139 1662200	78662 2882459	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,3-Trichloropropane	CBZd5	Ave	+++++ 56039	+++++ 112860	+++++ 240340	7357 443631	21147 795666	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Isopropylbenzene	CBZd5	Ave	+++++ 356048	+++++ 753915	+++++ 1593007	45444 2940303	128657 5169471	+++++ 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.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

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
Propylbenzene	CBZd5	Ave	+++++	+++++	+++++	11491	33922	+++++	+++++	+++++	0.160	0.400
			94512	209006	443842	813479	1436162	1.00	2.00	4.00	8.00	16.0
2-Chlorotoluene	CBZd5	Ave	1648	2969	6323	12949	35266	0.0200	0.0400	0.0800	0.160	0.400
			91079	195841	403655	744817	1299972	1.00	2.00	4.00	8.00	16.0
4-Ethyltoluene	CBZd5	Ave	+++++	+++++	+++++	47647	136070	+++++	+++++	+++++	0.160	0.400
			372978	789934	1656886	3075128	5464838	1.00	2.00	4.00	8.00	16.0
1,3,5-Trimethylbenzene	CBZd5	Ave	+++++	+++++	8825	19268	54442	+++++	+++++	0.0800	0.160	0.400
			152135	319170	670681	1229996	2148202	1.00	2.00	4.00	8.00	16.0
Alpha Methyl Styrene	CBZd5	Lin2	+++++	+++++	+++++	12285	41213	+++++	+++++	+++++	0.160	0.400
			137378	314583	701428	1350334	2433803	1.00	2.00	4.00	8.00	16.0
Decane	CBZd5	Ave	+++++	+++++	+++++	+++++	87958	+++++	+++++	+++++	+++++	0.400
			235879	478761	969801	1740570	2899371	1.00	2.00	4.00	8.00	16.0
tert-Butylbenzene	CBZd5	Ave	+++++	+++++	+++++	44636	122629	+++++	+++++	+++++	0.160	0.400
			330650	689287	1425017	2573110	4438017	1.00	2.00	4.00	8.00	16.0
1,2,4-Trimethylbenzene	CBZd5	Ave	+++++	+++++	19125	43587	120800	+++++	+++++	0.0800	0.160	0.400
			319158	672153	1374290	2486650	4292246	1.00	2.00	4.00	8.00	16.0
sec-Butylbenzene	CBZd5	Ave	+++++	+++++	+++++	57785	164774	+++++	+++++	+++++	0.160	0.400
			461440	974026	2034153	3699449	6323816	1.00	2.00	4.00	8.00	16.0
1,3-Dichlorobenzene	CBZd5	Ave	+++++	+++++	15840	32215	81413	+++++	+++++	0.0800	0.160	0.400
			210427	437702	908424	1661060	2859070	1.00	2.00	4.00	8.00	16.0
Benzyl chloride	CBZd5	Ave	+++++	+++++	+++++	19806	61192	+++++	+++++	+++++	0.160	0.400
			225238	512115	1169327	2242755	4012121	1.00	2.00	4.00	8.00	16.0
1,4-Dichlorobenzene	CBZd5	Ave	+++++	7628	15480	30744	78827	+++++	0.0400	0.0800	0.160	0.400
			206504	431942	904929	1657219	2851574	1.00	2.00	4.00	8.00	16.0
4-Isopropyltoluene	CBZd5	Ave	+++++	+++++	20332	48737	139609	+++++	+++++	0.0800	0.160	0.400
			387625	811640	1686413	3121071	5505305	1.00	2.00	4.00	8.00	16.0
1,2,3-Trimethylbenzene	CBZd5	Ave	+++++	+++++	18376	43675	117883	+++++	+++++	0.0800	0.160	0.400
			327025	680502	1419407	2625402	4706809	1.00	2.00	4.00	8.00	16.0
Indane	CBZd5	Ave	+++++	+++++	17030	38606	108617	+++++	+++++	0.0800	0.160	0.400
			299913	628741	1294246	2349309	3934500	1.00	2.00	4.00	8.00	16.0
1,2-Dichlorobenzene	CBZd5	Ave	+++++	7865	16246	33045	81170	+++++	0.0400	0.0800	0.160	0.400
			212102	432530	880608	1589063	2685900	1.00	2.00	4.00	8.00	16.0
Butylbenzene	CBZd5	Ave	+++++	+++++	+++++	54417	144099	+++++	+++++	+++++	0.160	0.400
			400818	824763	1672699	2985535	5014184	1.00	2.00	4.00	8.00	16.0
Indene	CBZd5	Ave	+++++	+++++	+++++	29337	89460	+++++	+++++	+++++	0.160	0.400
			259194	554222	1173864	2131870	3626735	1.00	2.00	4.00	8.00	16.0
Undecane	CBZd5	Ave	+++++	+++++	+++++	+++++	94769	+++++	+++++	+++++	+++++	0.400
			268847	552058	1129394	2027582	3350473	1.00	2.00	4.00	8.00	16.0
1,2-Dibromo-3-Chloropropane	CBZd5	Ave	+++++	+++++	4527	9914	27767	+++++	+++++	0.0800	0.160	0.400
			92571	213457	474549	929222	1719984	1.00	2.00	4.00	8.00	16.0
1,2,4,5-Tetramethylbenzene	CBZd5	Ave	+++++	+++++	14967	37412	112875	+++++	+++++	0.0800	0.160	0.400
			343983	746166	1612387	3017531	5435444	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.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

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
Dodecane	CBZd5	Ave	+++++ 281224	+++++ 559929	+++++ 1180333	+++++ 2152709	83908 3543078	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
1,2,4-Trichlorobenzene	CBZd5	Ave	+++++ 157395	5148 332546	10590 733730	22008 1421730	52780 2581598	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Naphthalene	CBZd5	Ave	8109 379961	10752 803621	21131 1775285	50757 3458372	119046 6312737	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Hexachlorobutadiene	CBZd5	Ave	+++++ 146806	+++++ 287681	12250 594677	24724 1079546	56299 1779870	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,3-Trichlorobenzene	CBZd5	Ave	+++++ 124828	4729 251713	8765 532251	18552 991126	43082 1714873	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylnaphthalene	CBZd5	Ave	+++++ 49446	+++++ 108839	+++++ 305345	+++++ 651973	+++++ 1242074	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	+++++ 16.0
1-Methylnaphthalene	CBZd5	Ave	+++++ 86626	+++++ 169260	+++++ 432941	+++++ 864791	+++++ 1568475	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	+++++ 16.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	670377 739609	665033 765486	675011 780026	702331 765351	722534 686650	4.64 4.64	4.64 4.64	4.64 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.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-46159/9	SA20IC01.D
Level 2	IC 140-46159/10	SA20IC02.D
Level 3	IC 140-46159/11	SA20IC03.D
Level 4	IC 140-46159/12	SA20IC04.D
Level 5	IC 140-46159/13	SA20IC05.D
Level 6	IC 140-46159/14	SA20IC06.D
Level 7	ICIS 140-46159/15	SA20IC07.D
Level 8	IC 140-46159/21	SA20IC08R.D
Level 9	IC 140-46159/5	SA20IC09.D
Level 10	IC 140-46159/3	SA20IC10.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	+++++	-5.1						50				
Propene	+++++	+++++	+++++	+++++	6.1						50	
Dichlorodifluoromethane	+++++	+++++	4.1						50			
Chloromethane	+++++	+++++	8.7						50			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	+++++	6.2						50				
Vinyl chloride	9.6						50					
1,3-Butadiene	+++++	+++++	5.7						50			
Butane	+++++	+++++	7.9						50			
Bromomethane	+++++	+++++	23.7						50			
Chloroethane	+++++	+++++	8.2						50			
Ethanol	+++++	+++++	+++++	19.7						50		
Vinyl bromide	4.5						50					
2-Methylbutane	+++++	+++++	+++++	7.7						50		
Trichlorofluoromethane	+++++	9.7						50				

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

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	+++++	+++++	+++++	18.7						50		
Acetonitrile	+++++	+++++	+++++	+++++	-3.6						50	
Acetone	+++++	+++++	+++++	+++++	34.3						80	
Isopropyl alcohol	+++++	+++++	3.3						50			
Pentane	+++++	+++++	+++++	8.3						50		
Ethyl ether	+++++	+++++	-1.0						50			
1,1-Dichloroethene	1.4						50					
Acrylonitrile	+++++	+++++	2.4						50			
tert-Butyl alcohol	-4.0						50					
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++	4.8						50				
Methylene Chloride	+++++	+++++	+++++	+++++	39.4						80	
3-Chloropropene	+++++	+++++	5.4						50			
Carbon disulfide	+++++	+++++	+++++	0.4						50		
trans-1,2-Dichloroethene	2.0						50					
2-Methylpentane	3.2						50					
Methyl tert-butyl ether	+++++	+++++	+++++	-12.6						50		
1,1-Dichloroethane	2.5						50					
Vinyl acetate	+++++	+++++	+++++	+++++	-16.6						50	
2-Butanone (MEK)	+++++	+++++	+++++	7.4						50		
Hexane	+++++	-3.3						50				
cis-1,2-Dichloroethene	4.6						50					

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

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	+++++	-1.3						50				
Chloroform	3.6						50					
Tetrahydrofuran	+++++	+++++	+++++	-10.8						50		
1,1,1-Trichloroethane	0.0						50					
1,2-Dichloroethane	9.6						50					
1-Butanol	+++++	+++++	+++++	+++++	-18.6						50	
Cyclohexane	+++++	+++++	+++++	-5.7						50		
Benzene	+++++	+++++	10.5						50			
Carbon tetrachloride	0.1						50					
2,3-Dimethylpentane	+++++	+++++	-16.5						50			
Thiophene	-1.3						50					
2,2,4-Trimethylpentane	5.8						50					
Heptane	+++++	+++++	+++++	-17.1						50		
1,2-Dichloropropane	5.6						50					
Trichloroethene	6.1						50					
Dibromomethane	+++++	+++++	5.5						50			
Bromodichloromethane	-2.7						50					
1,4-Dioxane	+++++	+++++	+++++	-10.3						50		
Methyl methacrylate	+++++	+++++	+++++	-21.2						50		
Methylcyclohexane	+++++	+++++	-23.3						50			
4-Methyl-2-pentanone (MIBK)	+++++	+++++	+++++	-18.9						50		

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

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	+++++	+++++	-23.6						50			
trans-1,3-Dichloropropene	+++++	+++++	-20.7						50			
Toluene	+++++	+++++	3.9						50			
1,1,2-Trichloroethane	+++++	2.1						50				
2-Hexanone	+++++	+++++	+++++	-33.2						50		
Octane	+++++	+++++	+++++	-23.9						50		
Dibromochloromethane	+++++	+++++	-26.2						50			
1,2-Dibromoethane (EDB)	3.1						50					
Tetrachloroethene	7.3						50					
Chlorobenzene	+++++	+++++	14.7						50			
Ethylbenzene	+++++	+++++	-13.2						50			
m-Xylene & p-Xylene	-9.6						50					
Nonane	+++++	+++++	+++++	-20.2						50		
Bromoform	+++++	+++++	-31.7						50			
Styrene	+++++	+++++	-35.2						50			
o-Xylene	+++++	+++++	-12.1						50			
1,1,2,2-Tetrachloroethane	+++++	-3.3						50				
1,2,3-Trichloropropane	+++++	+++++	+++++	-10.2						50		
Isopropylbenzene	+++++	+++++	+++++	-13.8						50		
Propylbenzene	+++++	+++++	+++++	-19.6						50		
2-Chlorotoluene	-0.2						50					

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

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	+++++	+++++	+++++	-13.9						50		
1,3,5-Trimethylbenzene	+++++	+++++	-15.5						50			
Alpha Methyl Styrene	+++++	+++++	+++++	5.3						50		
Decane	+++++	+++++	+++++	+++++	2.1						50	
tert-Butylbenzene	+++++	+++++	+++++	-7.3						50		
1,2,4-Trimethylbenzene	+++++	+++++	-13.2						50			
sec-Butylbenzene	+++++	+++++	+++++	-13.8						50		
1,3-Dichlorobenzene	+++++	+++++	4.2						50			
Benzyl chloride	+++++	+++++	+++++	-42.2						50		
1,4-Dichlorobenzene	+++++	1.7						50				
4-Isopropyltoluene	+++++	+++++	-22.7						50			
1,2,3-Trimethylbenzene	+++++	+++++	-18.3						50			
Indane	+++++	+++++	-16.0						50			
1,2-Dichlorobenzene	+++++	3.8						50				
Butylbenzene	+++++	+++++	+++++	-4.4						50		
Indene	+++++	+++++	+++++	-21.8						50		
Undecane	+++++	+++++	+++++	+++++	-3.7						50	
1,2-Dibromo-3-Chloropropane	+++++	+++++	-32.4						50			
1,2,4,5-Tetramethylbenzene	+++++	+++++	-35.8						50			
Dodecane	+++++	+++++	+++++	+++++	-16.3						50	
1,2,4-Trichlorobenzene	+++++	-9.7						50				

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1 Analy Batch No.: 46159

SDG No.:

Instrument ID: MS GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/20/2021 15:02 Calibration End Date: 01/21/2021 08:11 Calibration ID: 2847

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	18.6						80					
Hexachlorobutadiene	+++++	+++++	16.7						50			
1,2,3-Trichlorobenzene	+++++	6.9						50				
2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	-26.1						80
1-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	-9.4						80

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC10.D
Lims ID: IC L10
Client ID:
Sample Type: IC Calib Level: 10
Inject. Date: 20-Jan-2021 15:02:30 ALS Bottle#: 4 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: blk
Operator ID: afb Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Jan-2021 11:23:12 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: barlozhetskayaa Date: 20-Jan-2021 15:48:44

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	9.266	9.257	0.009	96	200216	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.444	11.435	0.009	95	990614	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.108	16.104	0.004	87	890383	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.749	17.747	0.002	90	686650	4.64	4.73	
6 Chlorodifluoromethane	51	3.805	3.802	0.003	96	1609598	16.0	15.1	
7 Propene	41	3.816	3.818	-0.002	99	700855	16.0	15.2	
8 Dichlorodifluoromethane	85	3.875	3.874	0.001	100	2415229	16.0	15.3	
9 Chloromethane	52	4.074	4.058	0.016	98	148592	16.0	13.6	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.079	0.001	91	1175835	16.0	14.8	
11 Acetaldehyde	44	4.241	4.240	0.001	99	901006	80.0	64.4	
12 Vinyl chloride	62	4.263	4.257	0.006	99	529786	16.0	14.7	
68 Butane	43	4.354	4.354	0.000	83	722580	16.0	14.6	
13 Butadiene	54	4.354	4.352	0.002	73	415484	16.0	14.9	
14 Bromomethane	94	4.709	4.705	0.004	98	545443	16.0	14.4	
15 Chloroethane	64	4.865	4.859	0.006	95	246102	16.0	15.2	
16 Ethanol	31	4.962	4.954	0.008	96	959582	80.0	70.7	
17 Vinyl bromide	106	5.193	5.189	0.004	98	824564	16.0	15.5	
18 2-Methylbutane	43	5.242	5.238	0.004	91	1017362	16.0	14.9	
19 Trichlorofluoromethane	101	5.484	5.478	0.006	100	2437335	16.0	15.3	
20 Acrolein	56	5.489	5.491	-0.002	93	263953	16.0	14.5	
21 Acetonitrile	40	5.570	5.559	0.011	99	400467	16.0	16.3	
22 Acetone	58	5.608	5.613	-0.005	98	1209113	48.0	38.9	
23 Isopropyl alcohol	45	5.694	5.701	-0.007	96	3301553	48.0	45.4	
33 Pentane	72	5.715	5.711	0.004	96	127089	16.0	13.7	
24 Ethyl ether	31	5.887	5.902	-0.015	96	942030	16.0	16.1	
39 1,1-Dichloroethene	96	6.242	6.234	0.008	96	881457	16.0	15.6	
26 2-Methyl-2-propanol	59	6.328	6.349	-0.021	95	1628387	16.0	17.2	
25 Acrylonitrile	53	6.355	6.348	0.007	94	719210	16.0	16.0	
27 112TCTFE	101	6.425	6.419	0.006	95	1866424	16.0	14.6	
28 Methylene Chloride	84	6.614	6.605	0.009	99	792142	16.0	13.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
29 3-Chloro-1-propene	39	6.630	6.623	0.007	97	810534	16.0	16.8	
30 Carbon disulfide	76	6.786	6.780	0.006	99	2516035	16.0	16.4	
40 trans-1,2-Dichloroethene	96	7.458	7.454	0.004	97	859885	16.0	15.0	
32 2-Methylpentane	43	7.474	7.469	0.005	94	1874953	16.0	15.1	
34 Methyl tert-butyl ether	73	7.571	7.601	-0.030	96	2428547	16.0	16.7	
35 1,1-Dichloroethane	63	7.905	7.894	0.011	100	1735212	16.0	15.5	
36 Vinyl acetate	43	8.001	7.998	0.003	100	2554417	16.0	18.3	
37 2-Butanone (MEK)	72	8.453	8.473	-0.020	98	417331	16.0	15.1	
104 Hexane	56	8.491	8.486	0.005	92	747713	16.0	15.5	
38 Isopropyl ether	45	8.642	8.660	-0.018	98	3201392	16.0	16.9	
31 cis-1,2-Dichloroethene	96	8.921	8.913	0.008	95	975735	16.0	16.6	
41 Ethyl acetate	43	9.088	9.096	-0.008	99	2227363	16.0	17.3	
42 Chloroform	83	9.276	9.264	0.012	96	2039818	16.0	15.6	
43 Tert-butyl ethyl ether	59	9.341	9.359	-0.018	95	3037140	16.0	17.4	
44 Tetrahydrofuran	42	9.658	9.693	-0.035	94	1082348	16.0	17.2	
45 1,1,1-Trichloroethane	97	10.325	10.318	0.007	96	2138144	16.0	17.1	
46 1,2-Dichloroethane	62	10.438	10.428	0.010	98	1428124	16.0	15.7	
47 n-Butanol	31	10.826	10.836	-0.010	83	346906	16.0	18.4	
48 Cyclohexane	69	10.912	10.905	0.007	95	363160	16.0	14.2	
49 Benzene	78	10.917	10.908	0.009	98	2414388	16.0	13.5	
50 Carbon tetrachloride	117	10.939	10.931	0.008	98	2130435	16.0	17.7	
51 2,3-Dimethylpentane	71	11.019	11.016	0.003	89	571975	16.0	15.8	
52 Thiophene	84	11.186	11.178	0.008	97	1642095	16.0	16.2	
53 Isooctane	57	11.654	11.646	0.008	99	4535819	16.0	15.7	
54 n-Heptane	71	12.015	12.011	0.004	92	873653	16.0	16.0	
55 1,2-Dichloropropane	63	12.111	12.108	0.003	89	1039889	16.0	14.7	
56 Trichloroethene	130	12.149	12.139	0.010	95	1186678	16.0	15.0	
57 Dibromomethane	93	12.235	12.228	0.007	96	1170079	16.0	15.5	
58 Dichlorobromomethane	83	12.375	12.367	0.008	98	2180700	16.0	17.7	
59 1,4-Dioxane	88	12.364	12.383	-0.019	91	386985	16.0	15.6	
60 Methyl methacrylate	41	12.445	12.443	0.002	93	1334386	16.0	17.8	
61 Methylcyclohexane	83	12.902	12.898	0.004	95	1650728	16.0	16.0	
62 4-Methyl-2-pentanone (MIBK)	43	13.279	13.288	-0.009	97	2353220	16.0	17.5	
63 cis-1,3-Dichloropropene	75	13.354	13.349	0.005	95	1705354	16.0	18.2	
64 trans-1,3-Dichloropropene	75	14.037	14.031	0.006	99	1618109	16.0	19.2	
65 Toluene	91	14.161	14.156	0.005	94	3405904	16.0	15.3	
66 1,1,2-Trichloroethane	83	14.236	14.232	0.004	99	1031176	16.0	15.0	
67 2-Hexanone	58	14.591	14.597	-0.006	94	1251959	16.0	18.2	
69 n-Octane	85	14.817	14.817	0.000	94	1003228	16.0	15.9	
70 Chlorodibromomethane	129	14.936	14.929	0.007	98	2293618	16.0	18.9	
71 Ethylene Dibromide	107	15.221	15.218	0.003	98	2019150	16.0	16.5	
72 Tetrachloroethene	129	15.291	15.286	0.005	96	1180924	16.0	14.7	
73 2,3-Dimethylheptane	43	16.152	16.148	0.004	93	2488738	16.0	12.5	
74 Chlorobenzene	112	16.157	16.151	0.006	94	2416411	16.0	13.6	
80 Ethylbenzene	91	16.431	16.430	0.001	98	4595303	16.0	16.5	
75 m-Xylene & p-Xylene	91	16.593	16.589	0.004	99	6816875	32.0	32.5	
77 n-Nonane	57	16.996	16.991	0.005	90	2232667	16.0	15.8	
78 Bromoform	173	17.055	17.054	0.001	96	2185940	16.0	20.5	
79 Styrene	104	17.066	17.060	0.006	98	2497422	16.0	16.6	
76 o-Xylene	91	17.125	17.121	0.004	98	3793833	16.0	16.0	
81 1,1,2,2-Tetrachloroethane	83	17.448	17.447	0.001	99	2882459	16.0	15.8	
82 1,2,3-Trichloropropane	110	17.615	17.612	0.003	98	795666	16.0	16.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
83 Isopropylbenzene	105	17.717	17.713	0.004	96	5169471	16.0	16.3	
84 N-Propylbenzene	120	18.244	18.243	0.001	99	1436162	16.0	16.7	
85 2-Chlorotoluene	126	18.298	18.293	0.005	97	1299972	16.0	16.0	
86 4-Ethyltoluene	105	18.395	18.391	0.004	99	5464838	16.0	16.4	
87 1,3,5-Trimethylbenzene	120	18.465	18.461	0.004	92	2148202	16.0	16.4	
89 Alpha Methyl Styrene	118	18.691	18.692	-0.001	90	2433803	16.0	16.8	
103 n-Decane	57	18.734	18.733	0.001	90	2899371	16.0	14.3	
95 tert-Butylbenzene	119	18.884	18.884	0.000	90	4438017	16.0	15.3	
88 1,2,4-Trimethylbenzene	105	18.900	18.896	0.004	96	4292246	16.0	15.5	
90 sec-Butylbenzene	105	19.153	19.148	0.005	99	6323816	16.0	15.7	
91 1,3-Dichlorobenzene	146	19.175	19.168	0.007	99	2859070	16.0	15.0	
92 Benzyl chloride	91	19.245	19.242	0.003	98	4012121	16.0	19.5	
93 1,4-Dichlorobenzene	146	19.261	19.255	0.006	94	2851574	16.0	15.2	
94 4-Isopropyltoluene	119	19.309	19.306	0.003	97	5505305	16.0	16.7	
96 1,2,3-Trimethylbenzene	105	19.369	19.363	0.006	99	4706809	16.0	16.7	
97 Butylcyclohexane	83	19.417	19.412	0.005	95	3440376	16.0	15.1	
98 2,3-Dihydroindene	117	19.616	19.611	0.005	95	3934500	16.0	15.5	
99 1,2-Dichlorobenzene	146	19.616	19.612	0.004	97	2685900	16.0	14.2	
100 n-Butylbenzene	91	19.734	19.734	0.000	98	5014184	16.0	14.6	
101 Indene	116	19.745	19.740	0.005	97	3626735	16.0	16.1	
102 Undecane	57	20.030	20.028	0.002	94	3350473	16.0	14.5	
105 1,2-Dibromo-3-Chloropropane	157	20.208	20.207	0.001	99	1719984	16.0	20.5	
106 1,2,4,5-Tetramethylbenzene	119	20.493	20.489	0.004	96	5435444	16.0	18.6	
107 Dodecane	57	21.112	21.107	0.005	99	3543078	16.0	15.1	
108 1,2,4-Trichlorobenzene	180	21.343	21.343	0.000	94	2581598	16.0	18.1	
109 Naphthalene	128	21.493	21.489	0.004	99	6312737	16.0	18.7	
110 Hexachlorobutadiene	225	21.676	21.676	0.000	96	1779870	16.0	13.5	
111 1,2,3-Trichlorobenzene	180	21.741	21.740	0.001	95	1714873	16.0	15.5	
113 2-Methylnaphthalene	142	22.290	22.289	0.001	100	1242074	16.0	20.2	
112 1-Methylnaphthalene	142	22.413	22.413	0.000	100	1568475	16.0	17.8	
A 115 C8 Range	1	14.822	(14.769-14.866)		0	9118184	16.0	15.3	
S 116 Xylenes, Total	100				0		48.0	48.4	
S 117 1,2-Dichloroethene, Total	1				0		32.0	31.6	

QC Flag Legend

Processing Flags

Reagents:

40L10DQP_00022	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

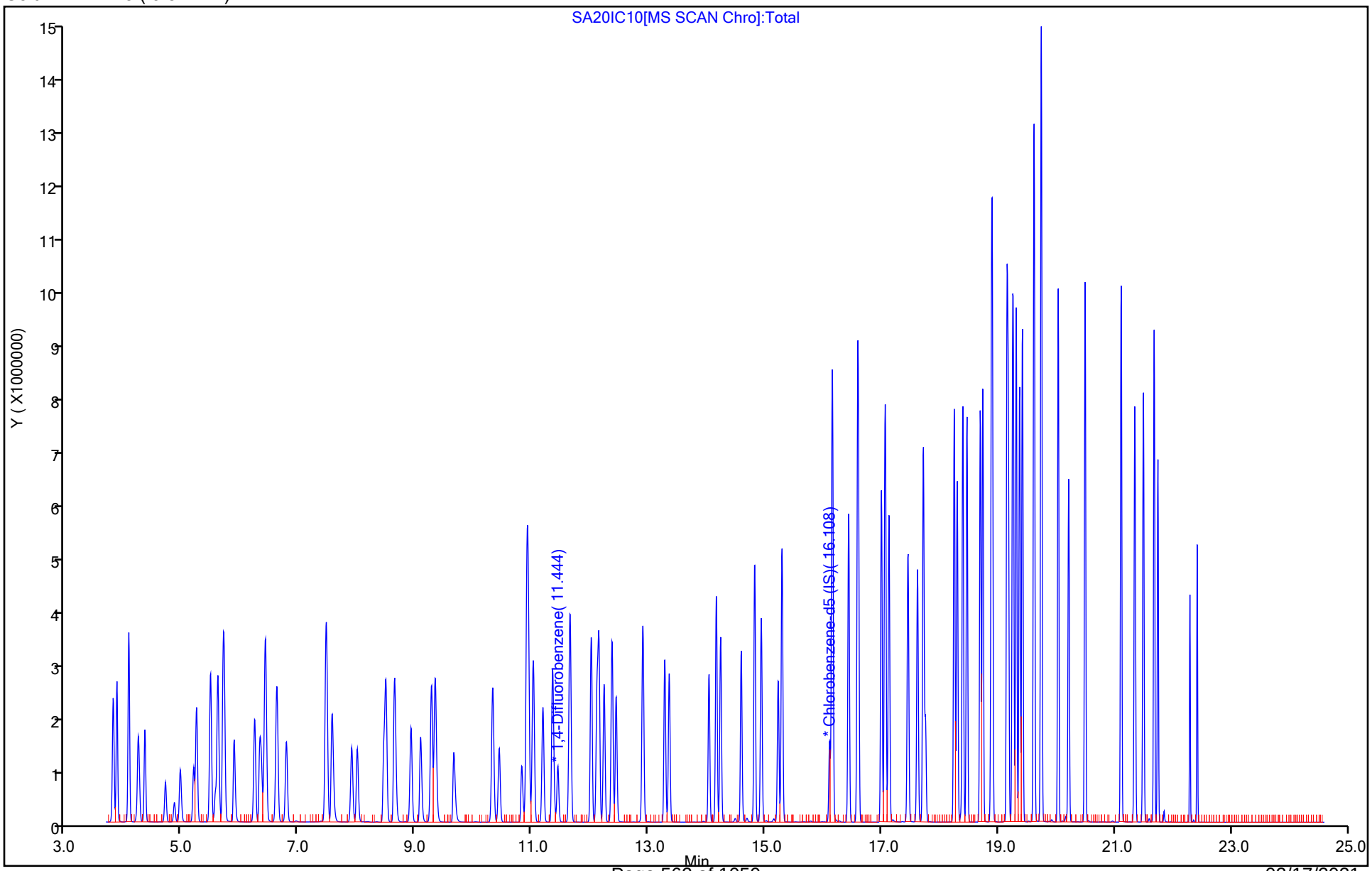
Report Date: 21-Jan-2021 11:23:13 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC10.D

Injection Date:	20-Jan-2021 15:02:30	Instrument ID:	MS	Operator ID:	afb
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)

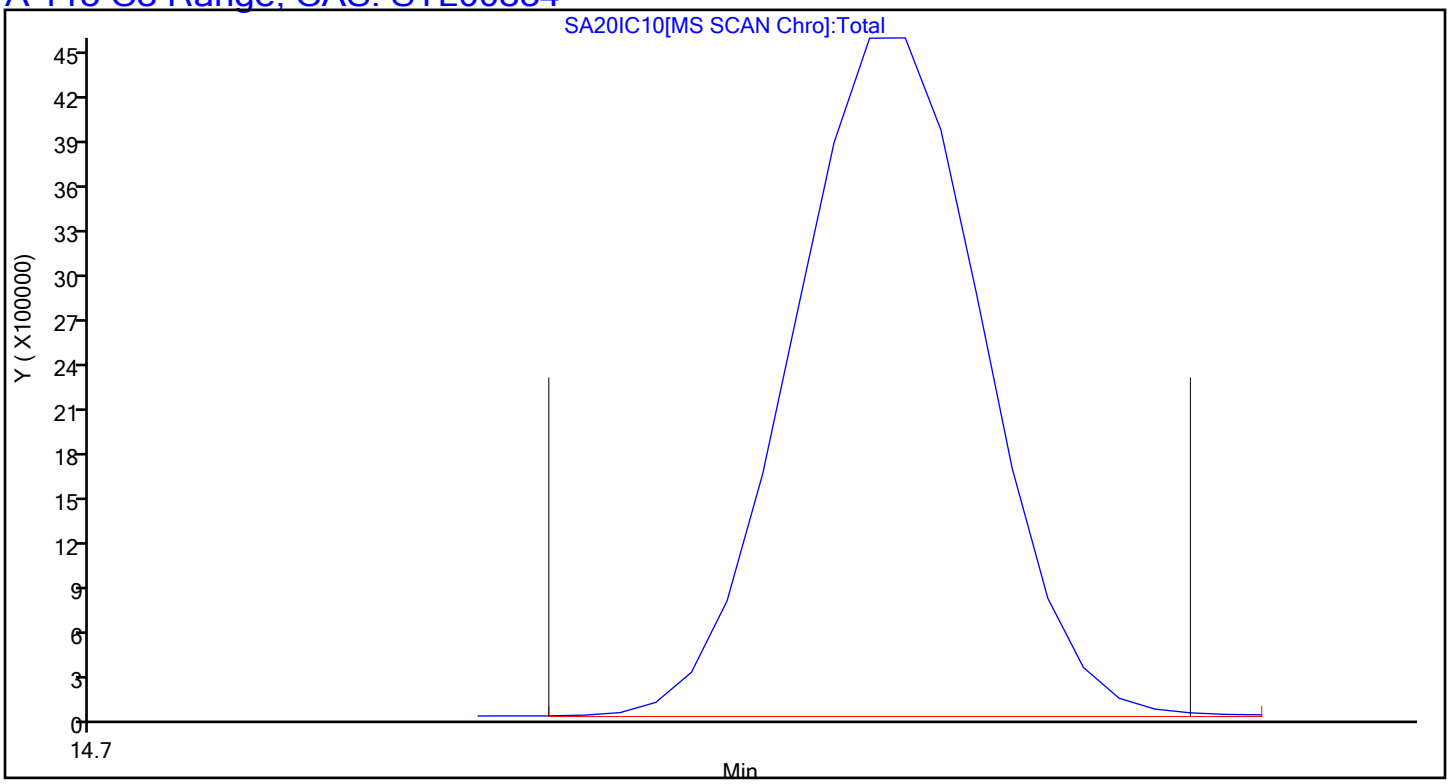


Report Date: 21-Jan-2021 11:23:13 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC10.D				
Injection Date:	20-Jan-2021 15:02:30	Instrument ID:	MS		
Lims ID:	IC L10				
Client ID:					
Operator ID:	afb	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\20210118-17951.b\SA20IC09.D
Lims ID: IC L9
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 20-Jan-2021 16:49:30 ALS Bottle#: 6 Worklist Smp#: 5
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: blk
Operator ID: afb Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Jan-2021 11:23:20 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: tajh Date: 21-Jan-2021 09:05:19

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	9.260	9.257	0.003	96	236693	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.439	11.435	0.004	94	1155662	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.103	16.104	-0.001	86	1020231	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.749	17.747	0.002	90	765351	4.64	4.60	
6 Chlorodifluoromethane	51	3.805	3.802	0.003	96	933672	8.00	7.41	
7 Propene	41	3.816	3.818	-0.002	99	421152	8.00	7.71	
8 Dichlorodifluoromethane	85	3.875	3.874	0.001	100	1410893	8.00	7.56	
9 Chloromethane	52	4.074	4.058	0.016	98	93432	8.00	7.24	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.079	0.001	98	693469	8.00	7.40	
11 Acetaldehyde	44	4.236	4.240	-0.004	98	635835	40.0	38.5	
12 Vinyl chloride	62	4.257	4.257	0.000	99	352752	8.00	8.26	
68 Butane	43	4.354	4.354	0.000	84	518002	8.00	8.84	
13 Butadiene	54	4.354	4.352	0.002	71	297242	8.00	9.01	
14 Bromomethane	94	4.704	4.705	-0.001	99	354909	8.00	7.92	
15 Chloroethane	64	4.860	4.859	0.001	98	165482	8.00	8.65	
16 Ethanol	31	4.951	4.954	-0.003	95	691873	40.0	43.1	
17 Vinyl bromide	106	5.188	5.189	-0.001	98	497098	8.00	7.89	
18 2-Methylbutane	43	5.236	5.238	-0.002	91	613023	8.00	7.60	
19 Trichlorofluoromethane	101	5.479	5.478	0.001	100	1400752	8.00	7.45	
20 Acrolein	56	5.484	5.491	-0.007	92	165577	8.00	7.71	
21 Acetonitrile	40	5.559	5.559	0.000	100	233171	8.00	8.01	
22 Acetone	58	5.602	5.613	-0.011	97	758041	24.0	20.6	
23 Isopropyl alcohol	45	5.688	5.701	-0.013	97	2040216	24.0	23.7	
33 Pentane	72	5.715	5.711	0.004	96	83511	8.00	7.62	
24 Ethyl ether	31	5.882	5.902	-0.020	97	551463	8.00	7.97	
39 1,1-Dichloroethene	96	6.232	6.234	-0.002	96	530940	8.00	7.93	
26 2-Methyl-2-propanol	59	6.318	6.349	-0.031	94	966026	8.00	8.61	
25 Acrylonitrile	53	6.345	6.348	-0.003	94	420859	8.00	7.92	
27 112TCTFE	101	6.420	6.419	0.001	95	1128799	8.00	7.49	
28 Methylene Chloride	84	6.608	6.605	0.003	98	479663	8.00	6.74	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
29 3-Chloro-1-propene	39	6.619	6.623	-0.004	96	453182	8.00	7.96	
30 Carbon disulfide	76	6.780	6.780	0.000	99	1475094	8.00	8.15	
40 trans-1,2-Dichloroethene	96	7.453	7.454	-0.001	98	530871	8.00	7.84	
32 2-Methylpentane	43	7.469	7.469	0.000	95	1157380	8.00	7.90	
34 Methyl tert-butyl ether	73	7.566	7.601	-0.035	97	1424648	8.00	8.27	
35 1,1-Dichloroethane	63	7.899	7.894	0.005	100	1014087	8.00	7.67	
36 Vinyl acetate	43	7.996	7.998	-0.002	100	1403665	8.00	8.49	
37 2-Butanone (MEK)	72	8.453	8.473	-0.020	98	256499	8.00	7.82	
104 Hexane	56	8.486	8.486	0.000	91	443281	8.00	7.75	
38 Isopropyl ether	45	8.636	8.660	-0.024	98	1864350	8.00	8.34	
31 cis-1,2-Dichloroethene	96	8.916	8.913	0.003	95	568329	8.00	8.18	
41 Ethyl acetate	43	9.083	9.096	-0.013	99	1250983	8.00	8.22	
42 Chloroform	83	9.271	9.264	0.007	95	1163119	8.00	7.50	
43 Tert-butyl ethyl ether	59	9.336	9.359	-0.023	95	1764979	8.00	8.56	
44 Tetrahydrofuran	42	9.658	9.693	-0.035	94	613748	8.00	8.26	
45 1,1,1-Trichloroethane	97	10.320	10.318	0.002	96	1196956	8.00	8.10	
46 1,2-Dichloroethane	62	10.428	10.428	0.000	98	791819	8.00	7.47	
47 n-Butanol	31	10.820	10.836	-0.016	82	194500	8.00	8.85	
48 Cyclohexane	69	10.907	10.905	0.001	93	233064	8.00	7.82	
49 Benzene	78	10.912	10.908	0.004	97	1543047	8.00	7.40	
50 Carbon tetrachloride	117	10.933	10.931	0.002	97	1173682	8.00	8.35	
51 2,3-Dimethylpentane	71	11.019	11.016	0.003	90	346051	8.00	8.17	
52 Thiophene	84	11.181	11.178	0.003	96	957580	8.00	8.11	
53 Isooctane	57	11.649	11.646	0.003	99	2692882	8.00	8.01	
54 n-Heptane	71	12.009	12.011	-0.002	91	526634	8.00	8.28	
55 1,2-Dichloropropane	63	12.112	12.108	0.004	91	629392	8.00	7.62	
56 Trichloroethene	130	12.144	12.139	0.005	96	704370	8.00	7.62	
57 Dibromomethane	93	12.230	12.228	0.002	96	679032	8.00	7.71	
59 1,4-Dioxane	88	12.364	12.383	-0.019	87	238167	8.00	8.22	
58 Dichlorobromomethane	83	12.370	12.367	0.003	99	1224299	8.00	8.52	
60 Methyl methacrylate	41	12.440	12.443	-0.003	94	747791	8.00	8.57	
61 Methylcyclohexane	83	12.897	12.898	-0.001	95	978026	8.00	7.92	
62 4-Methyl-2-pentanone (MIBK)	43	13.274	13.288	-0.014	97	1320955	8.00	8.44	
63 cis-1,3-Dichloropropene	75	13.349	13.349	0.000	94	960025	8.00	8.78	
64 trans-1,3-Dichloropropene	75	14.032	14.031	0.001	99	892363	8.00	9.25	
65 Toluene	91	14.161	14.156	0.005	94	1995937	8.00	7.85	
66 1,1,2-Trichloroethane	83	14.231	14.232	-0.001	98	603751	8.00	7.65	
67 2-Hexanone	58	14.586	14.597	-0.011	94	707673	8.00	8.98	
69 n-Octane	85	14.817	14.817	0.000	93	597712	8.00	8.28	
70 Chlorodibromomethane	129	14.930	14.929	0.001	98	1266586	8.00	9.12	
71 Ethylene Dibromide	107	15.221	15.218	0.003	99	1153862	8.00	8.25	
72 Tetrachloroethene	129	15.285	15.286	-0.001	96	692711	8.00	7.52	
73 2,3-Dimethylheptane	43	16.152	16.148	0.004	94	1615724	8.00	7.07	
74 Chlorobenzene	112	16.152	16.151	0.001	96	1490066	8.00	7.31	
80 Ethylbenzene	91	16.431	16.430	0.001	98	2635129	8.00	8.28	
75 m-Xylene & p-Xylene	91	16.593	16.589	0.004	98	3973431	16.0	16.5	
77 n-Nonane	57	16.996	16.991	0.005	91	1316639	8.00	8.15	
78 Bromoform	173	17.055	17.054	0.001	95	1211699	8.00	9.89	
79 Styrene	104	17.061	17.060	0.001	98	1525698	8.00	8.85	
76 o-Xylene	91	17.125	17.121	0.004	99	2149103	8.00	7.90	
81 1,1,2,2-Tetrachloroethane	83	17.448	17.447	0.001	99	1662200	8.00	7.93	
82 1,2,3-Trichloropropane	110	17.615	17.612	0.003	98	443631	8.00	7.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
83 Isopropylbenzene	105	17.712	17.713	-0.001	95	2940303	8.00	8.09	
84 N-Propylbenzene	120	18.244	18.243	0.001	99	813479	8.00	8.26	
85 2-Chlorotoluene	126	18.293	18.293	0.000	97	744817	8.00	7.98	
86 4-Ethyltoluene	105	18.390	18.391	-0.001	99	3075128	8.00	8.06	
87 1,3,5-Trimethylbenzene	120	18.465	18.461	0.004	92	1229996	8.00	8.20	
89 Alpha Methyl Styrene	118	18.691	18.692	-0.001	90	1350334	8.00	8.16	
103 n-Decane	57	18.734	18.733	0.001	90	1740570	8.00	7.51	
95 tert-Butylbenzene	119	18.884	18.884	0.000	90	2573110	8.00	7.75	
88 1,2,4-Trimethylbenzene	105	18.901	18.896	0.005	96	2486650	8.00	7.86	
90 sec-Butylbenzene	105	19.148	19.148	0.000	99	3699449	8.00	8.00	
91 1,3-Dichlorobenzene	146	19.170	19.168	0.002	99	1661060	8.00	7.61	
92 Benzyl chloride	91	19.245	19.242	0.003	98	2242755	8.00	9.50	
93 1,4-Dichlorobenzene	146	19.256	19.255	0.001	96	1657219	8.00	7.71	
94 4-Isopropyltoluene	119	19.309	19.306	0.003	97	3121071	8.00	8.26	
96 1,2,3-Trimethylbenzene	105	19.363	19.363	0.000	98	2625402	8.00	8.13	
97 Butylcyclohexane	83	19.412	19.412	0.000	94	2007647	8.00	7.67	
98 2,3-Dihydroindene	117	19.611	19.611	0.000	95	2349309	8.00	8.07	
99 1,2-Dichlorobenzene	146	19.616	19.612	0.004	97	1589063	8.00	7.32	
100 n-Butylbenzene	91	19.734	19.734	0.000	98	2985535	8.00	7.61	
101 Indene	116	19.740	19.740	0.000	91	2131870	8.00	8.24	
102 Undecane	57	20.030	20.028	0.002	95	2027582	8.00	7.66	
105 1,2-Dibromo-3-Chloropropane	157	20.208	20.207	0.001	99	929222	8.00	9.66	
106 1,2,4,5-Tetramethylbenzene	119	20.488	20.489	-0.001	96	3017531	8.00	9.01	
107 Dodecane	57	21.106	21.107	-0.001	98	2152709	8.00	7.98	
108 1,2,4-Trichlorobenzene	180	21.343	21.343	0.000	94	1421730	8.00	8.70	
109 Naphthalene	128	21.488	21.489	-0.001	99	3458372	8.00	8.94	
110 Hexachlorobutadiene	225	21.676	21.676	0.000	96	1079546	8.00	7.16	
111 1,2,3-Trichlorobenzene	180	21.741	21.740	0.001	95	991126	8.00	7.81	
113 2-Methylnaphthalene	142	22.290	22.289	0.001	99	651973	8.00	9.25	
112 1-Methylnaphthalene	142	22.413	22.413	0.000	100	864791	8.00	8.59	
A 115 C8 Range	1	14.823	(14.774-14.871)		0	5337031	8.00	7.69	
S 116 Xylenes, Total	100				0		24.0	24.4	
S 117 1,2-Dichloroethene, Total	1				0		16.0	16.0	

QC Flag Legend

Processing Flags

Reagents:

40L9DQP_00022	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

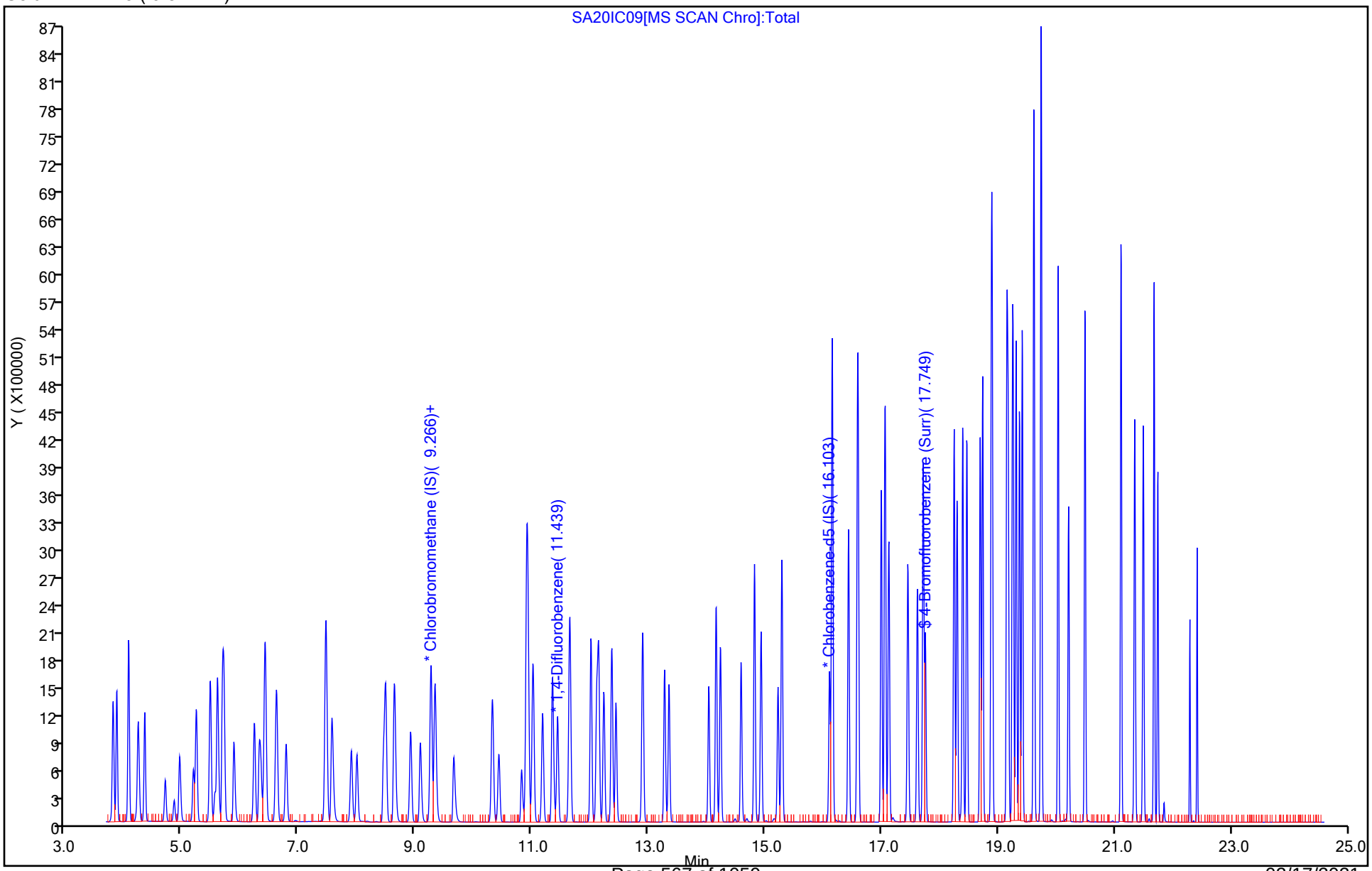
Report Date: 21-Jan-2021 11:23:21 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC09.D

Injection Date:	20-Jan-2021 16:49:30	Instrument ID:	MS	Operator ID:	afb
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)

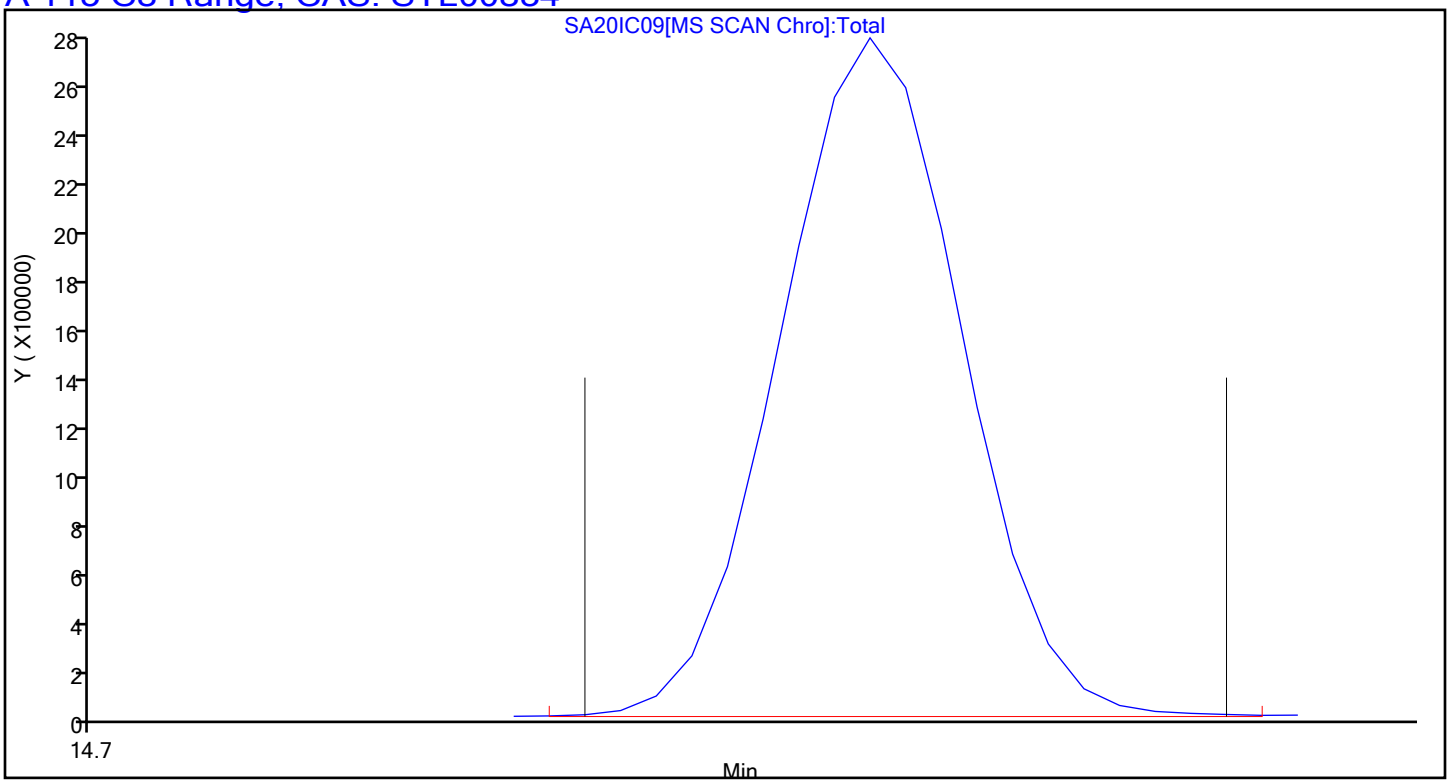


Report Date: 21-Jan-2021 11:23:21 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC09.D				
Injection Date:	20-Jan-2021 16:49:30	Instrument ID:	MS		
Lims ID:	IC L9				
Client ID:					
Operator ID:	afb	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\20210118-17951.b\SA20IC01.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 20-Jan-2021 20:22:30 ALS Bottle#: 10 Worklist Smp#: 9
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: blk
Operator ID: afb Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Jan-2021 11:23:28 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: barlozhetskayaa Date: 21-Jan-2021 10:17:02

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	9.250	9.257	-0.007	95	221438	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.434	11.435	-0.001	95	1060865	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.103	16.104	-0.001	88	902023	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.749	17.747	0.002	89	670377	4.64	4.56	
6 Chlorodifluoromethane	51	3.768	3.802	-0.034	90	12665	0.0200	0.1074	
7 Propene	41	3.811	3.818	-0.007	63	2017	0.0200	0.0395	
8 Dichlorodifluoromethane	85	3.870	3.874	-0.004	99	4027	0.0200	0.0231	
9 Chloromethane	52	3.935	4.058	-0.123	1	238	0.0200	0.0197	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.079	0.001	85	2013	0.0200	0.0230	
11 Acetaldehyde	44	4.241	4.240	0.001	99	10882	0.1000	0.7036	
12 Vinyl chloride	62	4.247	4.257	-0.010	34	876	0.0200	0.0219	
68 Butane	43	4.354	4.354	0.000	84	2590	0.0200	0.0472	
13 Butadiene	54	4.333	4.352	-0.019	1	569	0.0200	0.0184	
14 Bromomethane	94	4.698	4.705	-0.007	84	1684	0.0200	0.0401	
15 Chloroethane	64	4.860	4.859	0.001	7	466	0.0200	0.0260	
16 Ethanol	31	4.957	4.954	0.003	92	6121	0.1000	0.4078	
17 Vinyl bromide	106	5.188	5.189	-0.001	54	1233	0.0200	0.0209	
18 2-Methylbutane	43	5.231	5.238	-0.007	89	2759	0.0200	0.0365	
19 Trichlorofluoromethane	101	5.484	5.478	0.006	96	4183	0.0200	0.0238	
20 Acrolein	56	5.495	5.491	0.004	34	1418	0.0200	0.0706	
21 Acetonitrile	40	5.543	5.559	-0.016	26	2215	0.0200	0.0814	
22 Acetone	58	5.629	5.613	0.016	98	11200	0.0600	0.3258	
23 Isopropyl alcohol	45	5.721	5.701	0.020	79	6129	0.0600	0.0761	
24 Ethyl ether	31	5.925	5.902	0.023	73	1312	0.0200	0.0203	
39 1,1-Dichloroethene	96	6.232	6.234	-0.002	87	1270	0.0200	0.0203	
26 2-Methyl-2-propanol	59	6.393	6.349	0.044	88	2015	0.0200	0.0192	
25 Acrylonitrile	53	6.350	6.348	0.002	68	1442	0.0200	0.0290	
27 112TCTFE	101	6.409	6.419	-0.010	93	3182	0.0200	0.0226	
28 Methylene Chloride	84	6.603	6.605	-0.002	99	12168	0.0200	0.1828	
29 3-Chloro-1-propene	39	6.624	6.623	0.001	53	1440	0.0200	0.0270	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
30 Carbon disulfide	76	6.775	6.780	-0.005	96	6655	0.0200	0.0393	
40 trans-1,2-Dichloroethene	96	7.458	7.454	0.004	96	1292	0.0200	0.0204	
32 2-Methylpentane	43	7.469	7.469	0.000	74	2828	0.0200	0.0206	
34 Methyl tert-butyl ether	73	7.657	7.601	0.056	87	3155	0.0200	0.0196	
35 1,1-Dichloroethane	63	7.894	7.894	0.000	27	2536	0.0200	0.0205	
36 Vinyl acetate	43	8.001	7.998	0.003	98	2436	0.0200	0.0158	
37 2-Butanone (MEK)	72	8.513	8.473	0.040	91	1178	0.0200	0.0384	
104 Hexane	56	8.486	8.486	0.000	61	1463	0.0200	0.0273	
38 Isopropyl ether	45	8.701	8.660	0.041	89	3641	0.0200	0.0174	
31 cis-1,2-Dichloroethene	96	8.905	8.913	-0.008	92	1359	0.0200	0.0209	
41 Ethyl acetate	43	9.115	9.096	0.019	93	3272	0.0200	0.0230	
42 Chloroform	83	9.255	9.264	-0.009	27	3007	0.0200	0.0207	
43 Tert-butyl ethyl ether	59	9.395	9.359	0.036	92	3214	0.0200	0.0167	
44 Tetrahydrofuran	42	9.734	9.693	0.041	9	1577	0.0200	0.0227	
45 1,1,1-Trichloroethane	97	10.315	10.318	-0.003	92	2763	0.0200	0.0200	
46 1,2-Dichloroethane	62	10.428	10.428	0.000	90	2133	0.0200	0.0219	
48 Cyclohexane	69	10.885	10.905	-0.020	61	211	0.0200	0.007713	
49 Benzene	78	10.906	10.908	-0.002	94	5031	0.0200	0.0263	
50 Carbon tetrachloride	117	10.933	10.931	0.002	87	2582	0.0200	0.0200	
51 2,3-Dimethylpentane	71	11.025	11.016	0.009	88	499	0.0200	0.0128	
52 Thiophene	84	11.181	11.178	0.003	94	2139	0.0200	0.0197	
53 Isooctane	57	11.643	11.646	-0.003	98	6530	0.0200	0.0212	
54 n-Heptane	71	12.015	12.011	0.004	81	825	0.0200	0.0141	
55 1,2-Dichloropropane	63	12.106	12.108	-0.002	88	1603	0.0200	0.0211	
56 Trichloroethene	130	12.144	12.139	0.005	89	1801	0.0200	0.0212	
57 Dibromomethane	93	12.230	12.228	0.002	95	2059	0.0200	0.0255	
58 Dichlorobromomethane	83	12.364	12.367	-0.003	94	2567	0.0200	0.0195	
60 Methyl methacrylate	41	12.440	12.443	-0.003	1	1473	0.0200	0.0184	
61 Methylcyclohexane	83	12.897	12.898	-0.001	89	1625	0.0200	0.0140	
62 4-Methyl-2-pentanone (MIBK)	43	13.311	13.288	0.023	93	2640	0.0200	0.0184	
63 cis-1,3-Dichloropropene	75	13.354	13.349	0.005	77	1555	0.0200	0.0155	
64 trans-1,3-Dichloropropene	75	14.032	14.031	0.001	92	1425	0.0200	0.0167	
65 Toluene	91	14.156	14.156	0.000	94	6855	0.0200	0.0305	
66 1,1,2-Trichloroethane	83	14.231	14.232	-0.001	94	1688	0.0200	0.0242	
67 2-Hexanone	58	14.608	14.597	0.011	82	495	0.0200	0.007102	
69 n-Octane	85	14.823	14.817	0.006	82	790	0.0200	0.0124	
70 Chlorodibromomethane	129	14.925	14.929	-0.004	93	1781	0.0200	0.0145	
71 Ethylene Dibromide	107	15.216	15.218	-0.002	98	2550	0.0200	0.0206	
72 Tetrachloroethene	129	15.291	15.286	0.005	91	1747	0.0200	0.0215	
73 2,3-Dimethylheptane	43	16.146	16.148	-0.002	88	4206	0.0200	0.0208	
74 Chlorobenzene	112	16.146	16.151	-0.005	93	5025	0.0200	0.0279	
80 Ethylbenzene	91	16.426	16.430	-0.004	97	5335	0.0200	0.0190	
75 m-Xylene & p-Xylene	91	16.593	16.589	0.004	95	7692	0.0400	0.0362	
77 n-Nonane	57	16.991	16.991	0.000	87	1807	0.0200	0.0126	
78 Bromoform	173	17.050	17.054	-0.004	79	1518	0.0200	0.0140	
79 Styrene	104	17.061	17.060	0.001	95	1768	0.0200	0.0116	
76 o-Xylene	91	17.125	17.121	0.004	96	4077	0.0200	0.0169	
81 1,1,2,2-Tetrachloroethane	83	17.443	17.447	-0.004	96	3999	0.0200	0.0216	
82 1,2,3-Trichloropropane	110	17.609	17.612	-0.003	92	1108	0.0200	0.0222	
83 Isopropylbenzene	105	17.717	17.713	0.004	93	5904	0.0200	0.0184	
84 N-Propylbenzene	120	18.239	18.243	-0.004	98	1319	0.0200	0.0151	
85 2-Chlorotoluene	126	18.293	18.293	0.000	95	1648	0.0200	0.0200	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 4-Ethyltoluene	105	18.395	18.391	0.004	95	4950	0.0200	0.0147	
87 1,3,5-Trimethylbenzene	120	18.459	18.461	-0.002	92	1855	0.0200	0.0140	
89 Alpha Methyl Styrene	118	18.696	18.692	0.004	87	1271	0.0200	0.0960	
103 n-Decane	57	18.728	18.733	-0.005	92	2487	0.0200	0.0121	
95 tert-Butylbenzene	119	18.884	18.884	0.000	91	4112	0.0200	0.0140	
88 1,2,4-Trimethylbenzene	105	18.895	18.896	-0.001	94	3840	0.0200	0.0137	
90 sec-Butylbenzene	105	19.148	19.148	0.000	98	6116	0.0200	0.0150	
91 1,3-Dichlorobenzene	146	19.164	19.168	-0.004	97	4644	0.0200	0.0240	
92 Benzyl chloride	91	19.239	19.242	-0.003	64	2169	0.0200	0.0104	
93 1,4-Dichlorobenzene	146	19.256	19.255	0.001	86	4507	0.0200	0.0237	
94 4-Isopropyltoluene	119	19.304	19.306	-0.002	96	4066	0.0200	0.0122	
96 1,2,3-Trimethylbenzene	105	19.358	19.363	-0.005	95	3591	0.0200	0.0126	
97 Butylcyclohexane	83	19.412	19.412	0.000	91	3090	0.0200	0.0134	
98 2,3-Dihydroindene	117	19.611	19.611	0.000	83	3588	0.0200	0.0139	
99 1,2-Dichlorobenzene	146	19.611	19.612	-0.001	92	4592	0.0200	0.0239	
100 n-Butylbenzene	91	19.734	19.734	0.000	94	5104	0.0200	0.0147	
101 Indene	116	19.740	19.740	0.000	68	2413	0.0200	0.0105	
102 Undecane	57	20.025	20.028	-0.003	89	2215	0.0200	0.009464	
105 1,2-Dibromo-3-Chloropropane	157	20.202	20.207	-0.005	84	1253	0.0200	0.0147	
106 1,2,4,5-Tetramethylbenzene	119	20.487	20.489	-0.002	94	3099	0.0200	0.0105	
107 Dodecane	57	21.101	21.107	-0.006	92	1669	0.0200	0.007000	
108 1,2,4-Trichlorobenzene	180	21.343	21.343	0.000	92	3356	0.0200	0.0232	
109 Naphthalene	128	21.488	21.489	-0.001	99	8109	0.0200	0.0237	
110 Hexachlorobutadiene	225	21.676	21.676	0.000	92	3383	0.0200	0.0254	
111 1,2,3-Trichlorobenzene	180	21.736	21.740	-0.004	93	3222	0.0200	0.0287	
113 2-Methylnaphthalene	142	22.290	22.289	0.001	94	1156	0.0200	0.0185	
112 1-Methylnaphthalene	142	22.413	22.413	0.000	96	1955	0.0200	0.0220	
A 115 C8 Range	1	14.817	(14.796-14.839)		0	8110	0.0200	0.0127	
S 116 Xylenes, Total	100				0		0.0600	0.0531	
S 117 1,2-Dichloroethene, Total	1				0		0.0400	0.0413	

QC Flag Legend

Processing Flags

Reagents:

40L1-3DQP_00037	Amount Added: 50.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

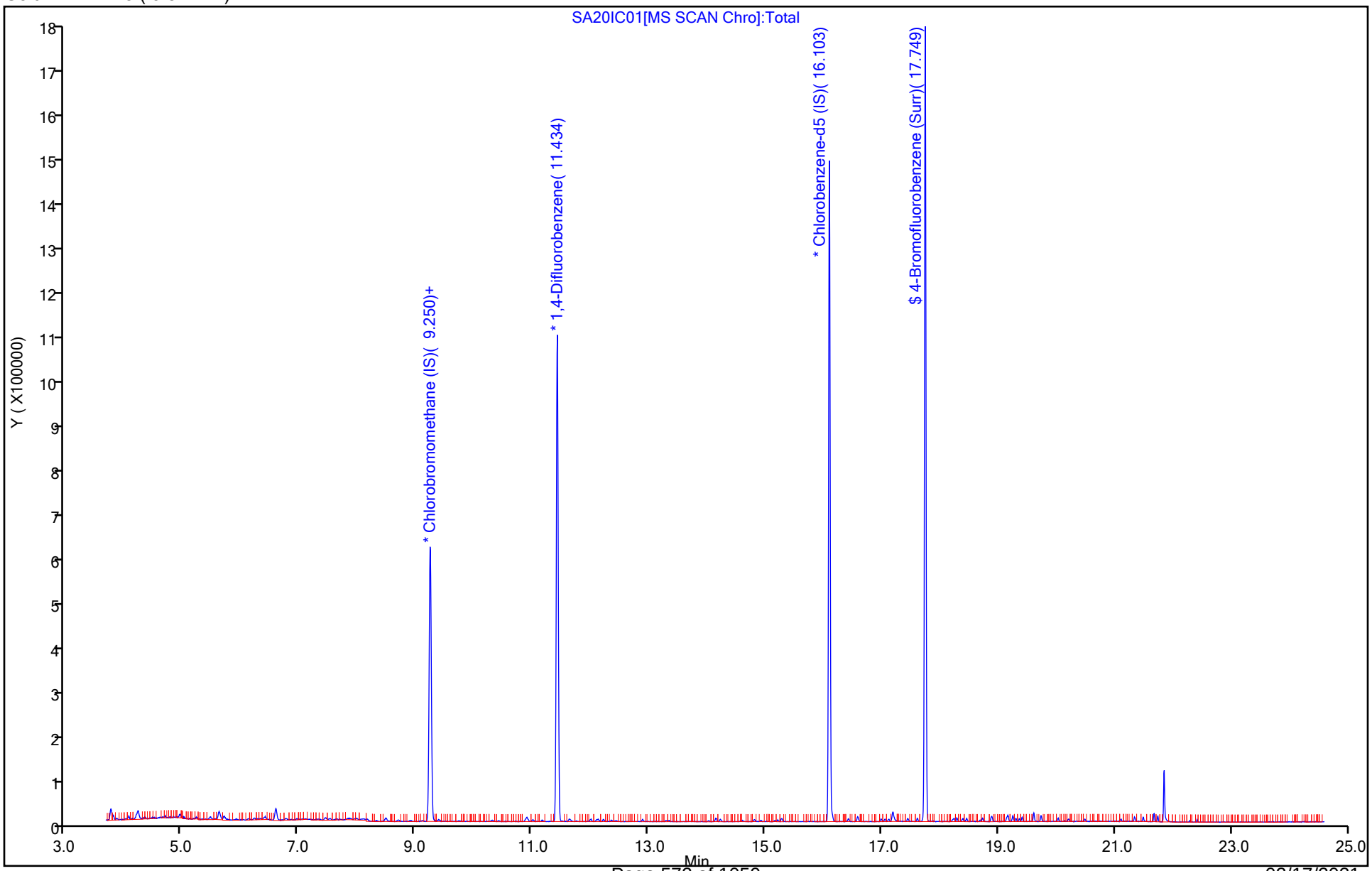
Report Date: 21-Jan-2021 11:23:29 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC01.D

Injection Date:	20-Jan-2021 20:22:30	Instrument ID:	MS	Operator ID:	afb
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)

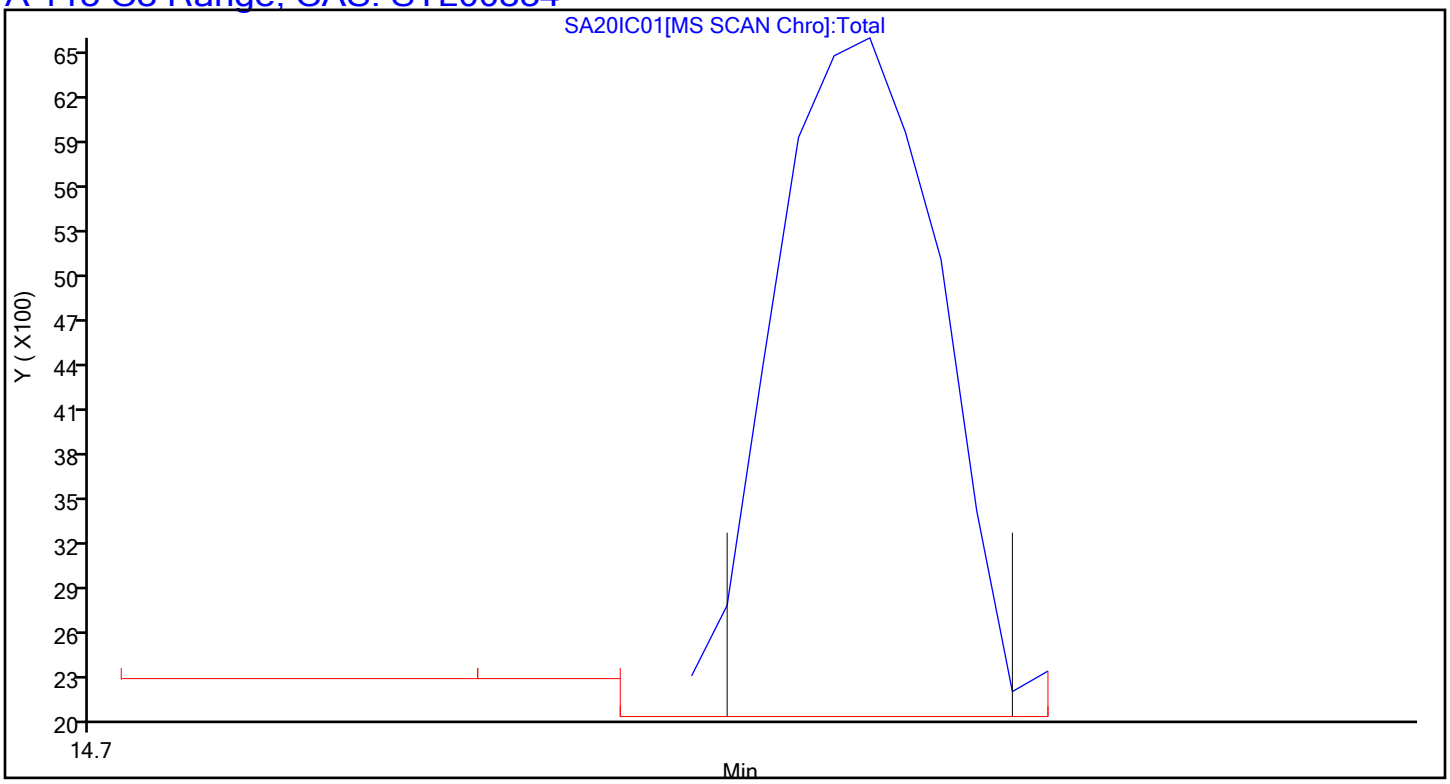


Report Date: 21-Jan-2021 11:23:29 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC01.D				
Injection Date:	20-Jan-2021 20:22:30	Instrument ID:	MS		
Lims ID:	IC L1				
Client ID:					
Operator ID:	afb	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\20210118-17951.b\SA20IC02.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 20-Jan-2021 21:14:30 ALS Bottle#: 11 Worklist Smp#: 10
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: blk
Operator ID: afb Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Jan-2021 11:23:34 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: barlozhetskayaa Date: 21-Jan-2021 10:17:15

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	9.257	-0.002	95	223160	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.434	11.435	-0.001	95	1051585	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.103	16.104	-0.001	88	889589	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.744	17.747	-0.003	89	665033	4.64	4.58	
6 Chlorodifluoromethane	51	3.805	3.802	0.003	73	4514	0.0400	0.0380	
7 Propene	41	3.811	3.818	-0.007	74	3090	0.0400	0.0600	
8 Dichlorodifluoromethane	85	3.870	3.874	-0.004	97	7963	0.0400	0.0453	
9 Chloromethane	52	4.069	4.058	0.011	55	608	0.0400	0.0500	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.074	4.079	-0.005	90	3751	0.0400	0.0425	
11 Acetaldehyde	44	4.241	4.240	0.001	98	15657	0.2000	1.00	
12 Vinyl chloride	62	4.246	4.257	-0.011	31	1586	0.0400	0.0394	
13 Butadiene	54	4.359	4.352	0.007	68	1470	0.0400	0.0473	
68 Butane	43	4.354	4.354	0.000	81	3372	0.0400	0.0610	
14 Bromomethane	94	4.704	4.705	-0.001	95	2556	0.0400	0.0605	
15 Chloroethane	64	4.854	4.859	-0.005	40	646	0.0400	0.0358	
16 Ethanol	31	4.962	4.954	0.008	95	6456	0.2000	0.4268	
17 Vinyl bromide	106	5.188	5.189	-0.001	94	2404	0.0400	0.0405	
18 2-Methylbutane	43	5.242	5.238	0.004	93	4687	0.0400	0.0616	
19 Trichlorofluoromethane	101	5.473	5.478	-0.005	99	7784	0.0400	0.0439	
20 Acrolein	56	5.500	5.491	0.009	91	1838	0.0400	0.0908	
21 Acetonitrile	40	5.559	5.559	0.000	67	1367	0.0400	0.0498	
22 Acetone	58	5.624	5.613	0.011	98	16402	0.1200	0.4735	
23 Isopropyl alcohol	45	5.720	5.701	0.019	83	11100	0.1200	0.1368	
24 Ethyl ether	31	5.920	5.902	0.018	91	2333	0.0400	0.0358	
39 1,1-Dichloroethene	96	6.232	6.234	-0.002	96	2756	0.0400	0.0437	
25 Acrylonitrile	53	6.355	6.348	0.007	87	2384	0.0400	0.0476	
26 2-Methyl-2-propanol	59	6.382	6.349	0.033	90	3814	0.0400	0.0360	
27 112TCTFE	101	6.420	6.419	0.001	90	5955	0.0400	0.0419	
28 Methylene Chloride	84	6.603	6.605	-0.002	98	14513	0.0400	0.2164	
29 3-Chloro-1-propene	39	6.635	6.623	0.012	1	1471	0.0400	0.0274	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
30 Carbon disulfide	76	6.780	6.780	0.000	97	9653	0.0400	0.0566	
40 trans-1,2-Dichloroethene	96	7.458	7.454	0.004	93	2594	0.0400	0.0407	
32 2-Methylpentane	43	7.469	7.469	0.000	92	5333	0.0400	0.0386	
34 Methyl tert-butyl ether	73	7.646	7.601	0.045	95	5671	0.0400	0.0349	
35 1,1-Dichloroethane	63	7.894	7.894	0.000	96	5135	0.0400	0.0412	
36 Vinyl acetate	43	8.001	7.998	0.003	99	5030	0.0400	0.0323	
104 Hexane	56	8.475	8.486	-0.011	69	2086	0.0400	0.0387	
37 2-Butanone (MEK)	72	8.496	8.473	0.023	91	1781	0.0400	0.0576	
38 Isopropyl ether	45	8.690	8.660	0.030	94	7098	0.0400	0.0337	
31 cis-1,2-Dichloroethene	96	8.911	8.913	-0.002	96	2200	0.0400	0.0336	
41 Ethyl acetate	43	9.110	9.096	0.014	96	5666	0.0400	0.0395	
42 Chloroform	83	9.260	9.264	-0.004	28	6333	0.0400	0.0433	
43 Tert-butyl ethyl ether	59	9.400	9.359	0.041	97	6516	0.0400	0.0335	
44 Tetrahydrofuran	42	9.744	9.693	0.051	88	2736	0.0400	0.0391	
45 1,1,1-Trichloroethane	97	10.315	10.318	-0.003	97	5439	0.0400	0.0391	
46 1,2-Dichloroethane	62	10.422	10.428	-0.006	94	4093	0.0400	0.0424	
48 Cyclohexane	69	10.906	10.905	0.001	60	854	0.0400	0.0315	
49 Benzene	78	10.906	10.908	-0.002	96	9248	0.0400	0.0487	
50 Carbon tetrachloride	117	10.928	10.931	-0.003	95	4851	0.0400	0.0379	
51 2,3-Dimethylpentane	71	11.009	11.016	-0.007	86	1161	0.0400	0.0301	
52 Thiophene	84	11.170	11.178	-0.008	97	4075	0.0400	0.0379	
53 Isooctane	57	11.643	11.646	-0.003	97	11908	0.0400	0.0389	
54 n-Heptane	71	12.009	12.011	-0.002	86	1718	0.0400	0.0297	
55 1,2-Dichloropropane	63	12.111	12.108	0.003	89	3038	0.0400	0.0404	
56 Trichloroethene	130	12.138	12.139	-0.001	93	3326	0.0400	0.0395	
57 Dibromomethane	93	12.224	12.228	-0.004	90	3521	0.0400	0.0439	
58 Dichlorobromomethane	83	12.370	12.367	0.003	96	4939	0.0400	0.0378	
59 1,4-Dioxane	88	12.413	12.383	0.030	90	928	0.0400	0.0352	
60 Methyl methacrylate	41	12.450	12.443	0.007	88	2391	0.0400	0.0301	
61 Methylcyclohexane	83	12.897	12.898	-0.001	91	3328	0.0400	0.0289	
62 4-Methyl-2-pentanone (MIBK)	43	13.306	13.288	0.018	96	4708	0.0400	0.0331	
63 cis-1,3-Dichloropropene	75	13.349	13.349	0.000	94	3217	0.0400	0.0323	
64 trans-1,3-Dichloropropene	75	14.021	14.031	-0.010	95	2494	0.0400	0.0296	
65 Toluene	91	14.150	14.156	-0.006	92	11194	0.0400	0.0505	
66 1,1,2-Trichloroethane	83	14.231	14.232	-0.001	96	2811	0.0400	0.0408	
67 2-Hexanone	58	14.613	14.597	0.016	88	1642	0.0400	0.0239	
69 n-Octane	85	14.812	14.817	-0.005	86	1534	0.0400	0.0244	
70 Chlorodibromomethane	129	14.930	14.929	0.001	94	3623	0.0400	0.0299	
71 Ethylene Dibromide	107	15.215	15.218	-0.003	98	4410	0.0400	0.0362	
72 Tetrachloroethene	129	15.285	15.286	-0.001	93	3353	0.0400	0.0418	
73 2,3-Dimethylheptane	43	16.151	16.148	0.003	92	8249	0.0400	0.0414	
74 Chlorobenzene	112	16.151	16.151	0.000	95	8752	0.0400	0.0492	
80 Ethylbenzene	91	16.426	16.430	-0.004	98	9683	0.0400	0.0349	
75 m-Xylene & p-Xylene	91	16.587	16.589	-0.002	96	14402	0.0800	0.0686	
77 n-Nonane	57	16.985	16.991	-0.006	90	3394	0.0400	0.0241	
78 Bromoform	173	17.055	17.054	0.001	79	2904	0.0400	0.0272	
79 Styrene	104	17.055	17.060	-0.005	95	3623	0.0400	0.0241	
76 o-Xylene	91	17.120	17.121	-0.001	97	7701	0.0400	0.0325	
81 1,1,2,2-Tetrachloroethane	83	17.443	17.447	-0.004	96	7066	0.0400	0.0387	
82 1,2,3-Trichloropropane	110	17.609	17.612	-0.003	93	2038	0.0400	0.0414	
83 Isopropylbenzene	105	17.712	17.713	-0.001	87	11465	0.0400	0.0362	
84 N-Propylbenzene	120	18.244	18.243	0.001	98	2167	0.0400	0.0252	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 2-Chlorotoluene	126	18.293	18.293	0.000	96	2969	0.0400	0.0365	
86 4-Ethyltoluene	105	18.389	18.391	-0.002	97	9814	0.0400	0.0295	
87 1,3,5-Trimethylbenzene	120	18.465	18.461	0.004	92	3738	0.0400	0.0286	
89 Alpha Methyl Styrene	118	18.691	18.692	-0.001	76	2389	0.0400	0.1038	
103 n-Decane	57	18.734	18.733	0.001	91	5097	0.0400	0.0252	
95 tert-Butylbenzene	119	18.884	18.884	0.000	87	8446	0.0400	0.0292	
88 1,2,4-Trimethylbenzene	105	18.895	18.896	-0.001	94	8139	0.0400	0.0295	
90 sec-Butylbenzene	105	19.148	19.148	0.000	99	11892	0.0400	0.0295	
91 1,3-Dichlorobenzene	146	19.164	19.168	-0.004	97	8314	0.0400	0.0437	
92 Benzyl chloride	91	19.245	19.242	0.003	75	4695	0.0400	0.0228	
93 1,4-Dichlorobenzene	146	19.250	19.255	-0.005	89	7628	0.0400	0.0407	
94 4-Isopropyltoluene	119	19.309	19.306	0.003	96	8996	0.0400	0.0273	
96 1,2,3-Trimethylbenzene	105	19.363	19.363	0.000	97	7871	0.0400	0.0279	
97 Butylcyclohexane	83	19.412	19.412	0.000	90	6742	0.0400	0.0295	
98 2,3-Dihydroindene	117	19.611	19.611	0.000	88	7627	0.0400	0.0300	
99 1,2-Dichlorobenzene	146	19.611	19.612	-0.001	90	7865	0.0400	0.0415	
100 n-Butylbenzene	91	19.734	19.734	0.000	94	10235	0.0400	0.0299	
101 Indene	116	19.740	19.740	0.000	69	5320	0.0400	0.0236	
102 Undecane	57	20.025	20.028	-0.003	92	4474	0.0400	0.0194	
105 1,2-Dibromo-3-Chloropropane	157	20.208	20.207	0.001	83	2440	0.0400	0.0291	
106 1,2,4,5-Tetramethylbenzene	119	20.487	20.489	-0.002	94	6841	0.0400	0.0234	
107 Dodecane	57	21.111	21.107	0.004	90	3250	0.0400	0.0138	
108 1,2,4-Trichlorobenzene	180	21.343	21.343	0.000	92	5148	0.0400	0.0361	
109 Naphthalene	128	21.488	21.489	-0.001	99	10752	0.0400	0.0319	
110 Hexachlorobutadiene	225	21.676	21.676	0.000	91	5883	0.0400	0.0447	
111 1,2,3-Trichlorobenzene	180	21.741	21.740	0.001	93	4729	0.0400	0.0428	
113 2-Methylnaphthalene	142	22.284	22.289	-0.005	91	971	0.0400	0.0158	
112 1-Methylnaphthalene	142	22.413	22.413	0.000	93	1433	0.0400	0.0163	
A 115 C8 Range	1	14.812	(14.785-14.839)		0	17414	0.0400	0.0276	
S 116 Xylenes, Total	100				0		0.1200	0.1011	
S 117 1,2-Dichloroethene, Total	1				0		0.0800	0.0743	

QC Flag Legend

Processing Flags

Reagents:

40L1-3DQP_00037	Amount Added: 100.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

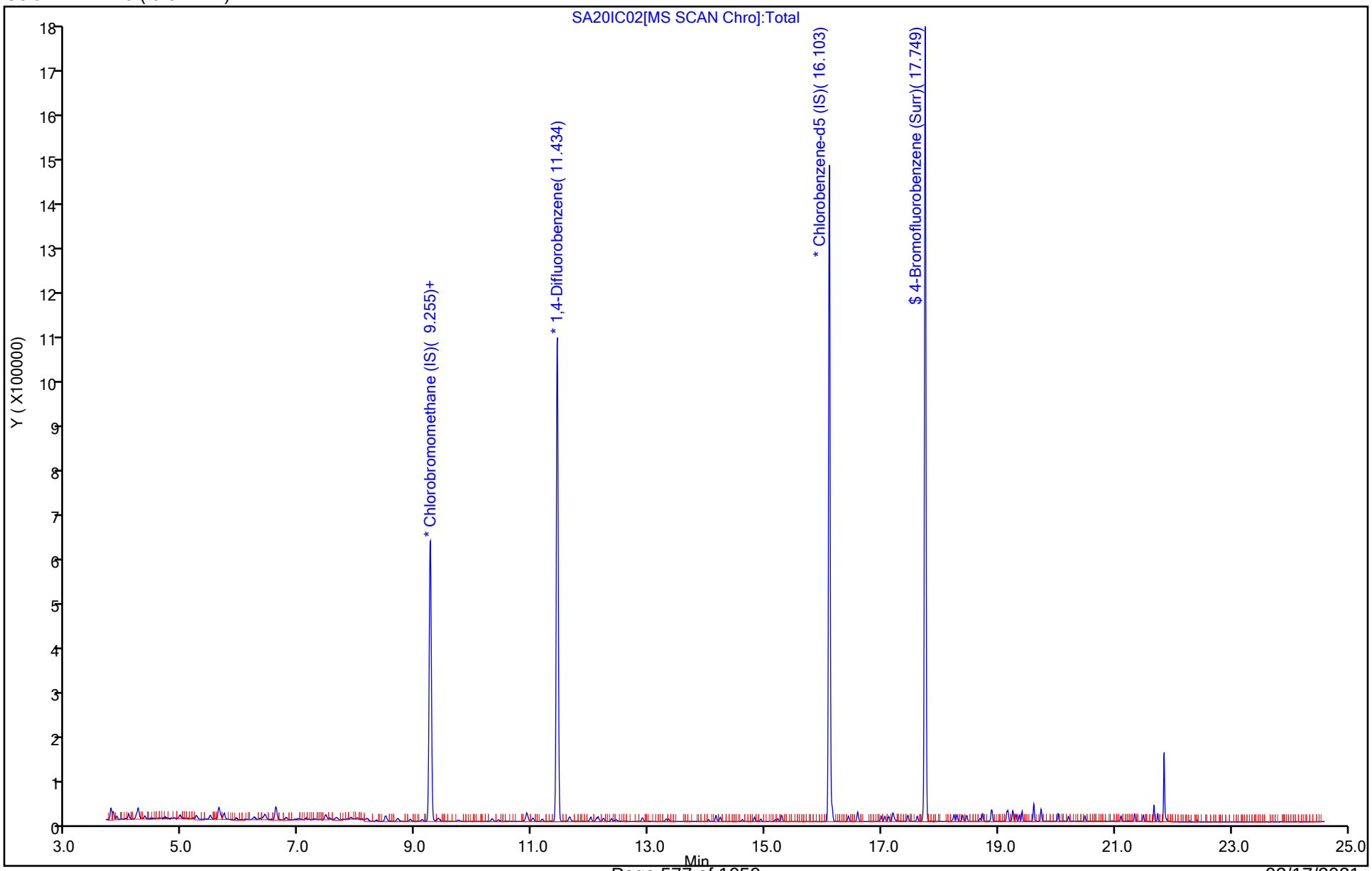
Report Date: 21-Jan-2021 11:23:35 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC02.D

Injection Date:	20-Jan-2021 21:14:30	Instrument ID:	MS	Operator ID:	afb
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)

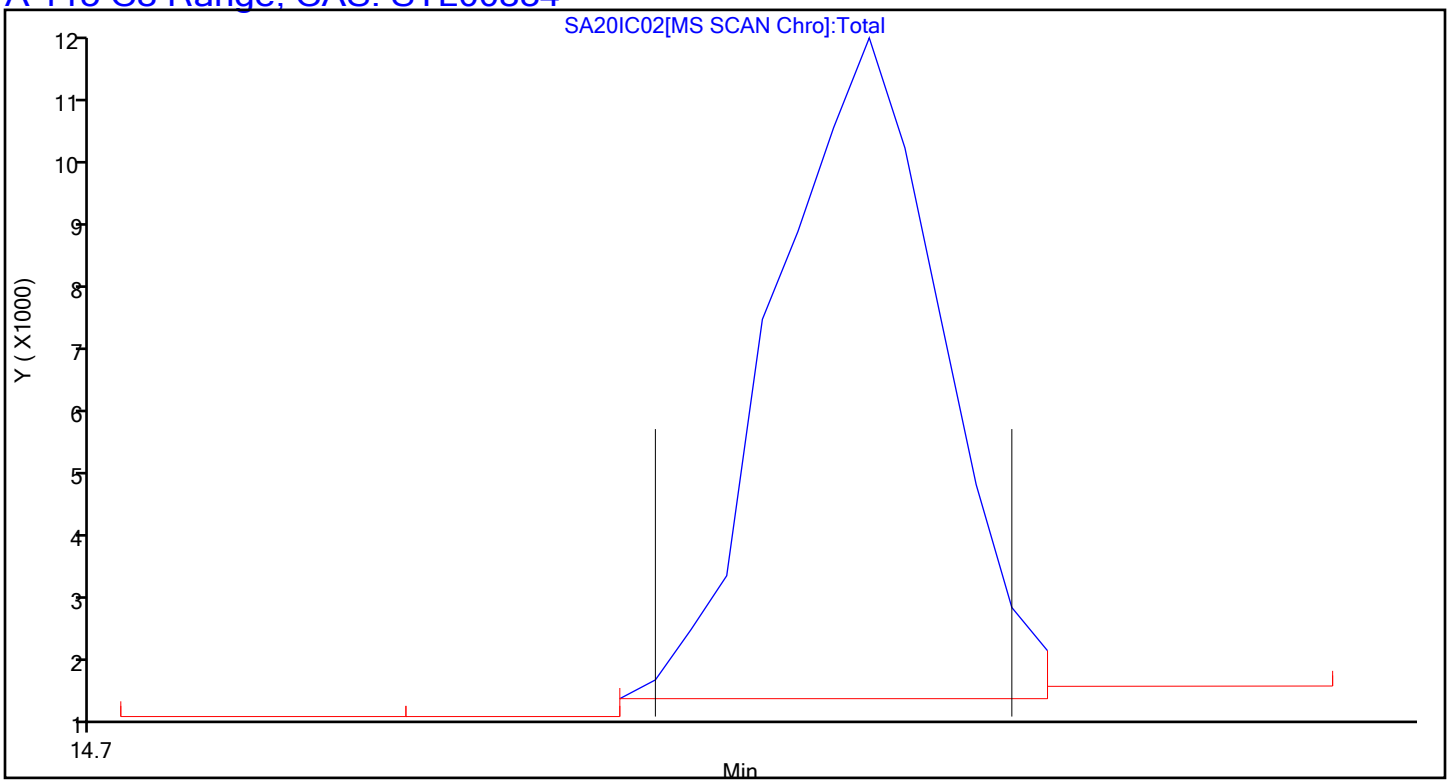


Report Date: 21-Jan-2021 11:23:35 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC02.D				
Injection Date:	20-Jan-2021 21:14:30	Instrument ID:	MS		
Lims ID:	IC L2				
Client ID:					
Operator ID:	afb	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\20210118-17951.b\SA20IC03.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 20-Jan-2021 22:07:30 ALS Bottle#: 12 Worklist Smp#: 11
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: blk
Operator ID: afb Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Jan-2021 11:23:41 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: tajh Date: 21-Jan-2021 11:20:34

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	9.257	-0.002	96	223041	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.434	11.435	-0.001	95	1046685	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.103	16.104	-0.001	88	887761	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.744	17.747	-0.003	89	675011	4.64	4.66	
6 Chlorodifluoromethane	51	3.805	3.802	0.003	85	10234	0.0800	0.0861	
7 Propene	41	3.822	3.818	0.004	71	5474	0.0800	0.1063	
8 Dichlorodifluoromethane	85	3.875	3.874	0.001	99	14648	0.0800	0.0833	
9 Chloromethane	52	4.069	4.058	0.011	54	1057	0.0800	0.0870	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.085	4.079	0.006	87	7497	0.0800	0.0849	
11 Acetaldehyde	44	4.241	4.240	0.001	97	23120	0.4000	1.48	
12 Vinyl chloride	62	4.263	4.257	0.006	88	3325	0.0800	0.0826	
68 Butane	43	4.354	4.354	0.000	88	4765	0.0800	0.0863	
13 Butadiene	54	4.354	4.352	0.002	70	2628	0.0800	0.0846	
14 Bromomethane	94	4.709	4.705	0.004	97	4182	0.0800	0.0990	
15 Chloroethane	64	4.854	4.859	-0.005	93	1561	0.0800	0.0866	
16 Ethanol	31	4.957	4.954	0.003	95	9242	0.4000	0.6113	
17 Vinyl bromide	106	5.188	5.189	-0.001	96	4666	0.0800	0.0786	
18 2-Methylbutane	43	5.236	5.238	-0.002	91	7104	0.0800	0.0934	
19 Trichlorofluoromethane	101	5.484	5.478	0.006	99	14670	0.0800	0.0828	
20 Acrolein	56	5.500	5.491	0.009	86	2831	0.0800	0.1400	
21 Acetonitrile	40	5.565	5.559	0.006	97	2858	0.0800	0.1042	
22 Acetone	58	5.624	5.613	0.011	98	26473	0.2400	0.7646	
33 Pentane	72	5.704	5.711	-0.007	80	823	0.0800	0.0797	
23 Isopropyl alcohol	45	5.721	5.701	0.020	82	20106	0.2400	0.2479	
24 Ethyl ether	31	5.914	5.902	0.012	92	5161	0.0800	0.0792	
39 1,1-Dichloroethene	96	6.232	6.234	-0.002	95	4636	0.0800	0.0735	
25 Acrylonitrile	53	6.355	6.348	0.007	85	4103	0.0800	0.0819	
26 2-Methyl-2-propanol	59	6.388	6.349	0.039	84	7965	0.0800	0.0753	
27 112TCTFE	101	6.420	6.419	0.001	92	11761	0.0800	0.0828	
28 Methylene Chloride	84	6.603	6.605	-0.002	97	17193	0.0800	0.2565	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
29 3-Chloro-1-propene	39	6.619	6.623	-0.004	38	4526	0.0800	0.0843	
30 Carbon disulfide	76	6.780	6.780	0.000	97	15523	0.0800	0.0910	
40 trans-1,2-Dichloroethene	96	7.447	7.454	-0.007	84	5010	0.0800	0.0786	
32 2-Methylpentane	43	7.469	7.469	0.000	94	11153	0.0800	0.0808	
34 Methyl tert-butyl ether	73	7.625	7.601	0.024	94	11163	0.0800	0.0688	
35 1,1-Dichloroethane	63	7.894	7.894	0.000	99	10114	0.0800	0.0812	
36 Vinyl acetate	43	8.001	7.998	0.003	99	9305	0.0800	0.0597	
104 Hexane	56	8.486	8.486	0.000	64	4439	0.0800	0.0824	
37 2-Butanone (MEK)	72	8.486	8.473	0.013	90	3781	0.0800	0.1224	
38 Isopropyl ether	45	8.679	8.660	0.019	91	14561	0.0800	0.0691	
31 cis-1,2-Dichloroethene	96	8.911	8.913	-0.002	94	4961	0.0800	0.0758	
41 Ethyl acetate	43	9.115	9.096	0.019	99	10746	0.0800	0.0749	
42 Chloroform	83	9.260	9.264	-0.004	45	12132	0.0800	0.0830	
43 Tert-butyl ethyl ether	59	9.384	9.359	0.025	97	12919	0.0800	0.0665	
44 Tetrahydrofuran	42	9.734	9.693	0.041	86	4887	0.0800	0.0698	
45 1,1,1-Trichloroethane	97	10.315	10.318	-0.003	96	10740	0.0800	0.0772	
46 1,2-Dichloroethane	62	10.428	10.428	0.000	97	8373	0.0800	0.0872	
48 Cyclohexane	69	10.912	10.905	0.007	61	1980	0.0800	0.0734	
49 Benzene	78	10.906	10.908	-0.002	96	16709	0.0800	0.0884	
50 Carbon tetrachloride	117	10.928	10.931	-0.003	89	9639	0.0800	0.0757	
51 2,3-Dimethylpentane	71	11.019	11.016	0.003	86	2562	0.0800	0.0668	
52 Thiophene	84	11.175	11.178	-0.003	97	7813	0.0800	0.0731	
53 Isooctane	57	11.643	11.646	-0.003	97	22549	0.0800	0.0741	
54 n-Heptane	71	12.009	12.011	-0.002	91	3837	0.0800	0.0666	
55 1,2-Dichloropropane	63	12.106	12.108	-0.002	87	6175	0.0800	0.0825	
56 Trichloroethene	130	12.133	12.139	-0.006	95	6912	0.0800	0.0826	
57 Dibromomethane	93	12.230	12.228	0.002	92	6737	0.0800	0.0844	
58 Dichlorobromomethane	83	12.364	12.367	-0.003	99	9048	0.0800	0.0695	
59 1,4-Dioxane	88	12.402	12.383	0.019	68	1790	0.0800	0.0682	
60 Methyl methacrylate	41	12.450	12.443	0.007	93	4594	0.0800	0.0581	
61 Methylcyclohexane	83	12.897	12.898	-0.001	92	7034	0.0800	0.0613	
62 4-Methyl-2-pentanone (MIBK)	43	13.300	13.288	0.012	96	8919	0.0800	0.0629	
63 cis-1,3-Dichloropropene	75	13.343	13.349	-0.006	96	6059	0.0800	0.0612	
64 trans-1,3-Dichloropropene	75	14.032	14.031	0.001	96	5329	0.0800	0.0635	
65 Toluene	91	14.150	14.156	-0.006	93	18390	0.0800	0.0831	
66 1,1,2-Trichloroethane	83	14.231	14.232	-0.001	98	5479	0.0800	0.0798	
67 2-Hexanone	58	14.608	14.597	0.011	92	3416	0.0800	0.0498	
69 n-Octane	85	14.817	14.817	0.000	88	3657	0.0800	0.0582	
70 Chlorodibromomethane	129	14.925	14.929	-0.004	97	7133	0.0800	0.0590	
71 Ethylene Dibromide	107	15.221	15.218	0.003	97	8781	0.0800	0.0722	
72 Tetrachloroethene	129	15.280	15.286	-0.006	93	6370	0.0800	0.0795	
73 2,3-Dimethylheptane	43	16.152	16.148	0.004	94	16745	0.0800	0.0842	
74 Chlorobenzene	112	16.146	16.151	-0.005	94	16282	0.0800	0.0917	
80 Ethylbenzene	91	16.431	16.430	0.001	99	19236	0.0800	0.0694	
75 m-Xylene & p-Xylene	91	16.587	16.589	-0.002	97	29104	0.1600	0.1390	
77 n-Nonane	57	16.991	16.991	0.000	88	7839	0.0800	0.0558	
78 Bromoform	173	17.055	17.054	0.001	80	5827	0.0800	0.0547	
79 Styrene	104	17.055	17.060	-0.005	97	7769	0.0800	0.0518	
76 o-Xylene	91	17.120	17.121	-0.001	98	16643	0.0800	0.0703	
81 1,1,2,2-Tetrachloroethane	83	17.448	17.447	0.001	98	13946	0.0800	0.0765	
82 1,2,3-Trichloropropane	110	17.615	17.612	0.003	98	3821	0.0800	0.0778	
83 Isopropylbenzene	105	17.712	17.713	-0.001	89	21669	0.0800	0.0685	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 N-Propylbenzene	120	18.244	18.243	0.001	98	5202	0.0800	0.0607	
85 2-Chlorotoluene	126	18.293	18.293	0.000	97	6323	0.0800	0.0778	
86 4-Ethyltoluene	105	18.389	18.391	-0.002	98	20081	0.0800	0.0605	
87 1,3,5-Trimethylbenzene	120	18.459	18.461	-0.002	93	8825	0.0800	0.0676	
89 Alpha Methyl Styrene	118	18.696	18.692	0.004	85	5614	0.0800	0.1260	
103 n-Decane	57	18.734	18.733	0.001	93	11606	0.0800	0.0575	
95 tert-Butylbenzene	119	18.879	18.884	-0.005	92	19737	0.0800	0.0683	
88 1,2,4-Trimethylbenzene	105	18.895	18.896	-0.001	96	19125	0.0800	0.0694	
90 sec-Butylbenzene	105	19.143	19.148	-0.005	97	25510	0.0800	0.0634	
91 1,3-Dichlorobenzene	146	19.164	19.168	-0.004	99	15840	0.0800	0.0833	
92 Benzyl chloride	91	19.239	19.242	-0.003	97	9583	0.0800	0.0467	
93 1,4-Dichlorobenzene	146	19.250	19.255	-0.005	92	15480	0.0800	0.0828	
94 4-Isopropyltoluene	119	19.309	19.306	0.003	97	20332	0.0800	0.0619	
96 1,2,3-Trimethylbenzene	105	19.358	19.363	-0.005	98	18376	0.0800	0.0654	
97 Butylcyclohexane	83	19.412	19.412	0.000	89	15882	0.0800	0.0697	
98 2,3-Dihydroindene	117	19.611	19.611	0.000	89	17030	0.0800	0.0672	
99 1,2-Dichlorobenzene	146	19.616	19.612	0.004	91	16246	0.0800	0.0860	
100 n-Butylbenzene	91	19.734	19.734	0.000	97	22812	0.0800	0.0668	
101 Indene	116	19.740	19.740	0.000	93	12509	0.0800	0.0556	
102 Undecane	57	20.025	20.028	-0.003	94	11706	0.0800	0.0508	
105 1,2-Dibromo-3-Chloropropane	157	20.208	20.207	0.001	88	4527	0.0800	0.0541	
106 1,2,4,5-Tetramethylbenzene	119	20.487	20.489	-0.002	96	14967	0.0800	0.0514	
107 Dodecane	57	21.106	21.107	-0.001	91	9647	0.0800	0.0411	
108 1,2,4-Trichlorobenzene	180	21.343	21.343	0.000	94	10590	0.0800	0.0745	
109 Naphthalene	128	21.488	21.489	-0.001	98	21131	0.0800	0.0628	
110 Hexachlorobutadiene	225	21.676	21.676	0.000	94	12250	0.0800	0.0933	
111 1,2,3-Trichlorobenzene	180	21.736	21.740	-0.004	95	8765	0.0800	0.0794	
113 2-Methylnaphthalene	142	22.290	22.289	0.001	91	1489	0.0800	0.0243	
112 1-Methylnaphthalene	142	22.413	22.413	0.000	88	2776	0.0800	0.0317	
A 115 C8 Range	1	14.812	(14.785-14.850)		0	40523	0.0800	0.0644	
S 116 Xylenes, Total	100				0		0.2400	0.2093	
S 117 1,2-Dichloroethene, Total	1				0		0.1600	0.1544	

QC Flag Legend

Processing Flags

Reagents:

40L1-3DQP_00037	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

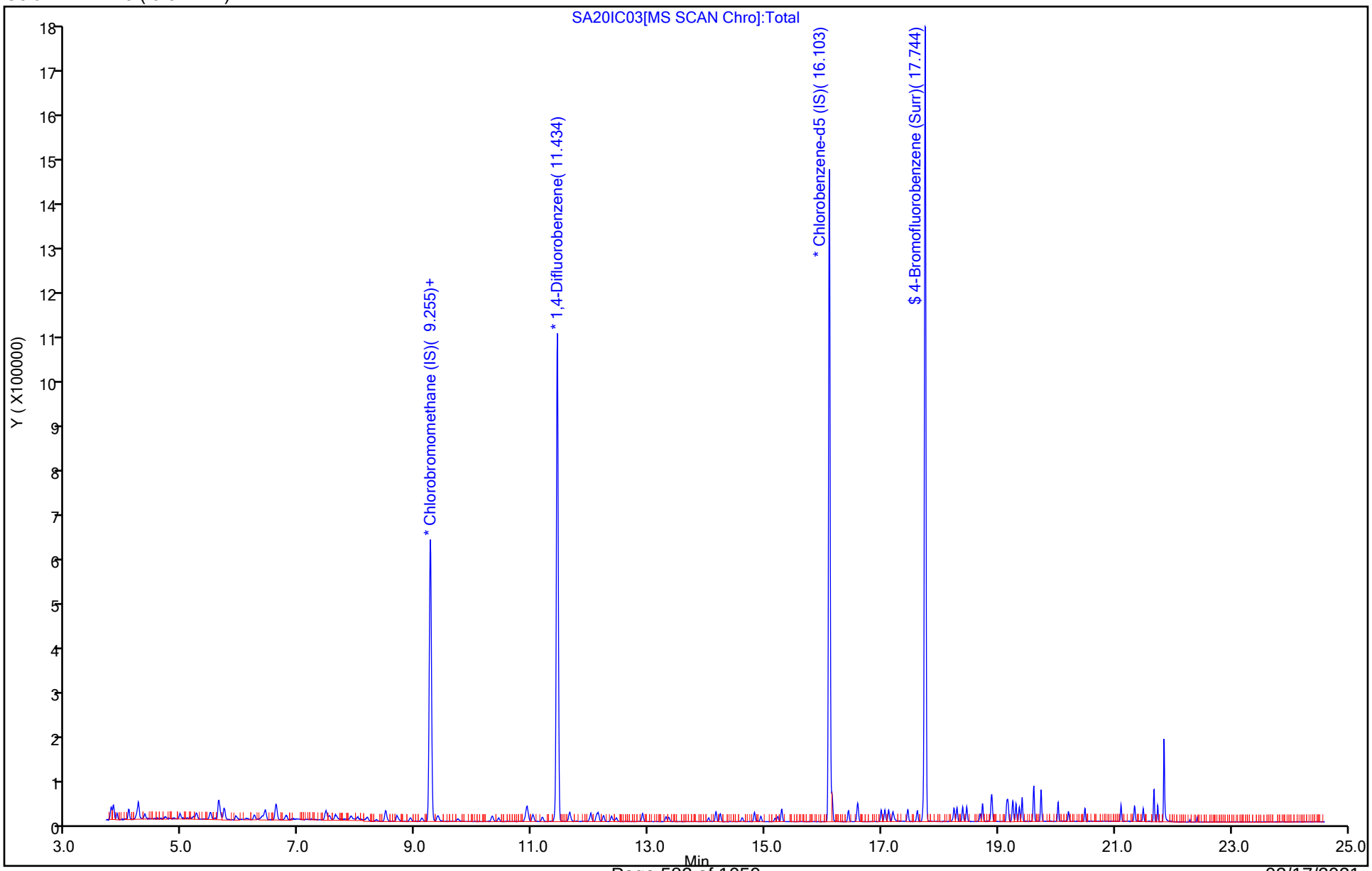
Report Date: 21-Jan-2021 11:23:42 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC03.D

Injection Date:	20-Jan-2021 22:07:30	Instrument ID:	MS	Operator ID:	afb
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)

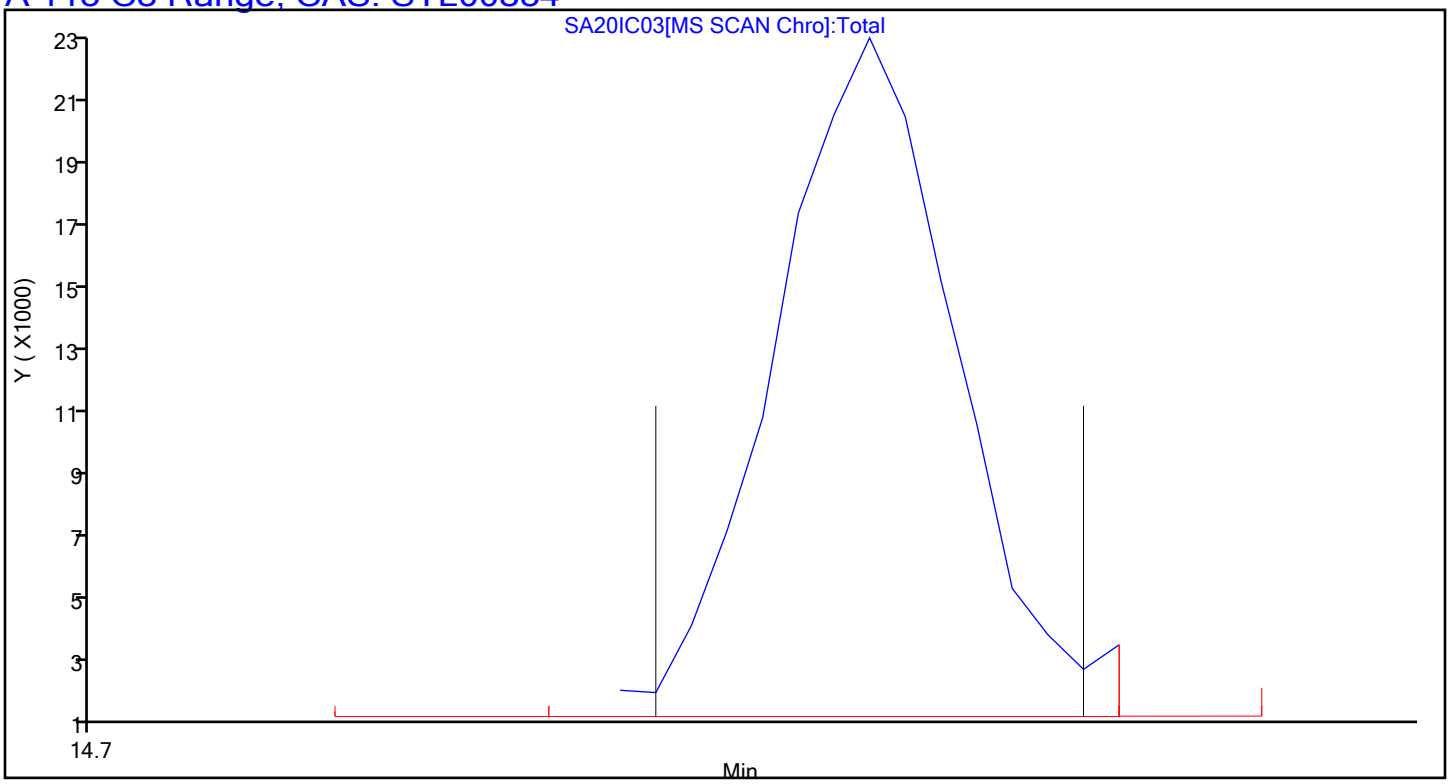


Report Date: 21-Jan-2021 11:23:42 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC03.D				
Injection Date:	20-Jan-2021 22:07:30	Instrument ID:	MS		
Lims ID:	IC L3				
Client ID:					
Operator ID:	afb	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\20210118-17951.b\SA20IC04.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 20-Jan-2021 23:01:30 ALS Bottle#: 13 Worklist Smp#: 12
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: s134
Operator ID: afb Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Jan-2021 11:23:49 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: tajh Date: 21-Jan-2021 11:21:11

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	9.255	9.257	-0.002	95	226668	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.434	11.435	-0.001	95	1086338	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.103	16.104	-0.001	88	924942	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.749	17.747	0.002	89	702331	4.64	4.66	
6 Chlorodifluoromethane	51	3.805	3.802	0.003	98	20419	0.1600	0.1691	
7 Propene	41	3.821	3.818	0.003	98	9368	0.1600	0.1790	
8 Dichlorodifluoromethane	85	3.875	3.874	0.001	100	29514	0.1600	0.1652	
9 Chloromethane	52	4.064	4.058	0.006	62	2061	0.1600	0.1668	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.079	0.001	89	15009	0.1600	0.1673	
11 Acetaldehyde	44	4.241	4.240	0.001	99	27004	0.8000	1.71	
12 Vinyl chloride	62	4.257	4.257	0.000	97	6284	0.1600	0.1536	
68 Butane	43	4.354	4.354	0.000	84	9314	0.1600	0.1660	
13 Butadiene	54	4.349	4.352	-0.003	74	5118	0.1600	0.1621	
14 Bromomethane	94	4.704	4.705	-0.001	92	7614	0.1600	0.1773	
15 Chloroethane	64	4.860	4.859	0.001	94	2750	0.1600	0.1501	
16 Ethanol	31	4.957	4.954	0.003	95	14711	0.8000	0.9575	
17 Vinyl bromide	106	5.188	5.189	-0.001	99	9745	0.1600	0.1614	
18 2-Methylbutane	43	5.242	5.238	0.004	89	13314	0.1600	0.1723	
19 Trichlorofluoromethane	101	5.473	5.478	-0.005	99	29935	0.1600	0.1662	
20 Acrolein	56	5.494	5.491	0.003	98	3904	0.1600	0.1899	
21 Acetonitrile	40	5.559	5.559	0.000	98	5233	0.1600	0.1878	
22 Acetone	58	5.624	5.613	0.011	98	32678	0.4800	0.9288	
33 Pentane	72	5.704	5.711	-0.007	77	1818	0.1600	0.1733	
23 Isopropyl alcohol	45	5.704	5.701	0.003	81	39414	0.4800	0.4782	
24 Ethyl ether	31	5.914	5.902	0.012	92	10238	0.1600	0.1546	
39 1,1-Dichloroethene	96	6.231	6.234	-0.003	95	9876	0.1600	0.1541	
25 Acrylonitrile	53	6.344	6.348	-0.004	98	7984	0.1600	0.1568	
26 2-Methyl-2-propanol	59	6.366	6.349	0.017	94	16118	0.1600	0.1500	
27 112TCTFE	101	6.420	6.419	0.001	94	24565	0.1600	0.1702	
28 Methylene Chloride	84	6.603	6.605	-0.002	98	21007	0.1600	0.3084	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
29 3-Chloro-1-propene	39	6.619	6.623	-0.004	60	8958	0.1600	0.1642	
30 Carbon disulfide	76	6.780	6.780	0.000	98	27850	0.1600	0.1607	
40 trans-1,2-Dichloroethene	96	7.447	7.454	-0.007	96	10244	0.1600	0.1581	
32 2-Methylpentane	43	7.469	7.469	0.000	91	21166	0.1600	0.1508	
34 Methyl tert-butyl ether	73	7.619	7.601	0.018	95	23063	0.1600	0.1398	
35 1,1-Dichloroethane	63	7.888	7.894	-0.006	99	20493	0.1600	0.1618	
36 Vinyl acetate	43	7.996	7.998	-0.002	100	19507	0.1600	0.1232	
37 2-Butanone (MEK)	72	8.486	8.473	0.013	89	5395	0.1600	0.1719	
104 Hexane	56	8.491	8.486	0.005	65	8711	0.1600	0.1590	
38 Isopropyl ether	45	8.668	8.660	0.008	94	31161	0.1600	0.1455	
31 cis-1,2-Dichloroethene	96	8.916	8.913	0.003	94	10428	0.1600	0.1568	
41 Ethyl acetate	43	9.104	9.096	0.008	98	22112	0.1600	0.1517	
42 Chloroform	83	9.255	9.264	-0.009	30	24159	0.1600	0.1627	
43 Tert-butyl ethyl ether	59	9.368	9.359	0.009	97	27761	0.1600	0.1405	
44 Tetrahydrofuran	42	9.701	9.693	0.008	92	10149	0.1600	0.1426	
45 1,1,1-Trichloroethane	97	10.320	10.318	0.002	97	21572	0.1600	0.1525	
46 1,2-Dichloroethane	62	10.428	10.428	0.000	98	15608	0.1600	0.1566	
47 n-Butanol	31	10.863	10.836	0.027	57	2501	0.1600	0.1211	
49 Benzene	78	10.906	10.908	-0.002	97	32407	0.1600	0.1653	
48 Cyclohexane	69	10.901	10.905	-0.004	64	4226	0.1600	0.1509	
50 Carbon tetrachloride	117	10.928	10.931	-0.003	96	20123	0.1600	0.1523	
51 2,3-Dimethylpentane	71	11.019	11.016	0.003	86	5766	0.1600	0.1448	
52 Thiophene	84	11.175	11.178	-0.003	99	17030	0.1600	0.1535	
53 Isooctane	57	11.643	11.646	-0.003	97	47751	0.1600	0.1511	
54 n-Heptane	71	12.015	12.011	0.004	91	7930	0.1600	0.1326	
55 1,2-Dichloropropane	63	12.111	12.108	0.003	89	12780	0.1600	0.1645	
56 Trichloroethene	130	12.133	12.139	-0.006	94	13620	0.1600	0.1568	
57 Dibromomethane	93	12.219	12.228	-0.009	93	13513	0.1600	0.1632	
58 Dichlorobromomethane	83	12.370	12.367	0.003	98	19290	0.1600	0.1428	
59 1,4-Dioxane	88	12.402	12.383	0.019	82	3913	0.1600	0.1436	
60 Methyl methacrylate	41	12.450	12.443	0.007	94	10351	0.1600	0.1261	
61 Methylcyclohexane	83	12.897	12.898	-0.001	91	14941	0.1600	0.1256	
62 4-Methyl-2-pentanone (MIBK)	43	13.295	13.288	0.007	97	19098	0.1600	0.1298	
63 cis-1,3-Dichloropropene	75	13.354	13.349	0.005	95	13825	0.1600	0.1344	
64 trans-1,3-Dichloropropene	75	14.032	14.031	0.001	98	10678	0.1600	0.1220	
65 Toluene	91	14.156	14.156	0.000	94	35494	0.1600	0.1539	
66 1,1,2-Trichloroethane	83	14.231	14.232	-0.001	98	11394	0.1600	0.1592	
67 2-Hexanone	58	14.602	14.597	0.005	94	7640	0.1600	0.1069	
69 n-Octane	85	14.817	14.817	0.000	92	7969	0.1600	0.1218	
70 Chlorodibromomethane	129	14.925	14.929	-0.004	98	16221	0.1600	0.1288	
71 Ethylene Dibromide	107	15.215	15.218	-0.003	97	19223	0.1600	0.1517	
72 Tetrachloroethene	129	15.285	15.286	-0.001	95	13084	0.1600	0.1567	
74 Chlorobenzene	112	16.151	16.151	0.000	89	30965	0.1600	0.1674	
73 2,3-Dimethylheptane	43	16.146	16.148	-0.002	96	34430	0.1600	0.1662	
80 Ethylbenzene	91	16.431	16.430	0.001	99	41219	0.1600	0.1428	
75 m-Xylene & p-Xylene	91	16.593	16.589	0.004	98	65844	0.3200	0.3018	
77 n-Nonane	57	16.991	16.991	0.000	89	18712	0.1600	0.1277	
78 Bromoform	173	17.050	17.054	-0.004	74	11479	0.1600	0.1034	
79 Styrene	104	17.061	17.060	0.001	99	19496	0.1600	0.1248	
76 o-Xylene	91	17.120	17.121	-0.001	98	38041	0.1600	0.1542	
81 1,1,2,2-Tetrachloroethane	83	17.448	17.447	0.001	97	29139	0.1600	0.1534	
82 1,2,3-Trichloropropane	110	17.609	17.612	-0.003	98	7357	0.1600	0.1437	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
83 Isopropylbenzene	105	17.711	17.713	-0.002	90	45444	0.1600	0.1379	
84 N-Propylbenzene	120	18.239	18.243	-0.004	98	11491	0.1600	0.1287	
85 2-Chlorotoluene	126	18.292	18.293	-0.001	97	12949	0.1600	0.1530	
86 4-Ethyltoluene	105	18.389	18.391	-0.002	97	47647	0.1600	0.1378	
87 1,3,5-Trimethylbenzene	120	18.459	18.461	-0.002	91	19268	0.1600	0.1417	
89 Alpha Methyl Styrene	118	18.691	18.692	-0.001	85	12285	0.1600	0.1684	
103 n-Decane	57	18.734	18.733	0.001	90	30746	0.1600	0.1463	
95 tert-Butylbenzene	119	18.884	18.884	0.000	92	44636	0.1600	0.1483	
88 1,2,4-Trimethylbenzene	105	18.895	18.896	-0.001	96	43587	0.1600	0.1519	
90 sec-Butylbenzene	105	19.148	19.148	0.000	99	57785	0.1600	0.1379	
91 1,3-Dichlorobenzene	146	19.169	19.168	0.001	99	32215	0.1600	0.1627	
92 Benzyl chloride	91	19.239	19.242	-0.003	97	19806	0.1600	0.0925	
93 1,4-Dichlorobenzene	146	19.255	19.255	0.000	93	30744	0.1600	0.1577	
94 4-Isopropyltoluene	119	19.304	19.306	-0.002	97	48737	0.1600	0.1423	
96 1,2,3-Trimethylbenzene	105	19.363	19.363	0.000	98	43675	0.1600	0.1491	
97 Butylcyclohexane	83	19.411	19.412	-0.001	93	38456	0.1600	0.1621	
98 2,3-Dihydroindene	117	19.610	19.611	-0.001	92	38606	0.1600	0.1462	
99 1,2-Dichlorobenzene	146	19.610	19.612	-0.002	88	33045	0.1600	0.1678	
100 n-Butylbenzene	91	19.734	19.734	0.000	96	54417	0.1600	0.1530	
101 Indene	116	19.740	19.740	0.000	86	29337	0.1600	0.1251	
102 Undecane	57	20.030	20.028	0.002	94	32477	0.1600	0.1353	
105 1,2-Dibromo-3-Chloropropane	157	20.208	20.207	0.001	86	9914	0.1600	0.1137	
106 1,2,4,5-Tetramethylbenzene	119	20.493	20.489	0.004	97	37412	0.1600	0.1232	
107 Dodecane	57	21.111	21.107	0.004	94	29808	0.1600	0.1219	
108 1,2,4-Trichlorobenzene	180	21.343	21.343	0.000	94	22008	0.1600	0.1486	
109 Naphthalene	128	21.488	21.489	-0.001	99	50757	0.1600	0.1447	
110 Hexachlorobutadiene	225	21.676	21.676	0.000	94	24724	0.1600	0.1808	
111 1,2,3-Trichlorobenzene	180	21.741	21.740	0.001	94	18552	0.1600	0.1613	
113 2-Methylnaphthalene	142	22.290	22.289	0.001	96	3890	0.1600	0.0608	
112 1-Methylnaphthalene	142	22.413	22.413	0.000	97	8108	0.1600	0.0888	
A 115 C8 Range	1	14.817	(14.774-14.850)		0	87505	0.1600	0.1341	
S 116 Xylenes, Total	100				0		0.4800	0.4560	
S 117 1,2-Dichloroethene, Total	1				0		0.3200	0.3149	

QC Flag Legend

Processing Flags

Reagents:

40L4DQP_00023	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

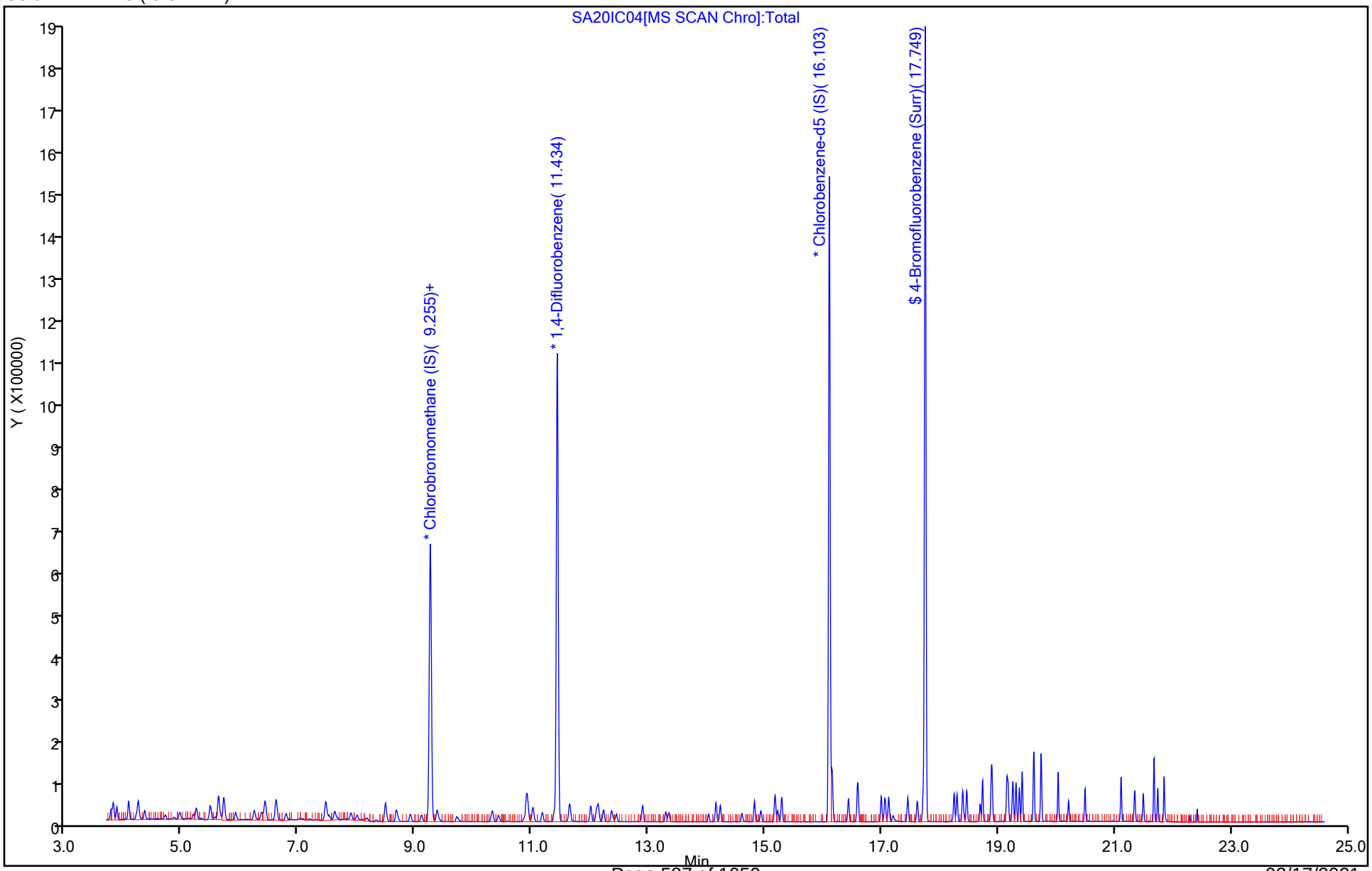
Report Date: 21-Jan-2021 11:23:50 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC04.D

Injection Date:	20-Jan-2021 23:01:30	Instrument ID:	MS	Operator ID:	afb
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)

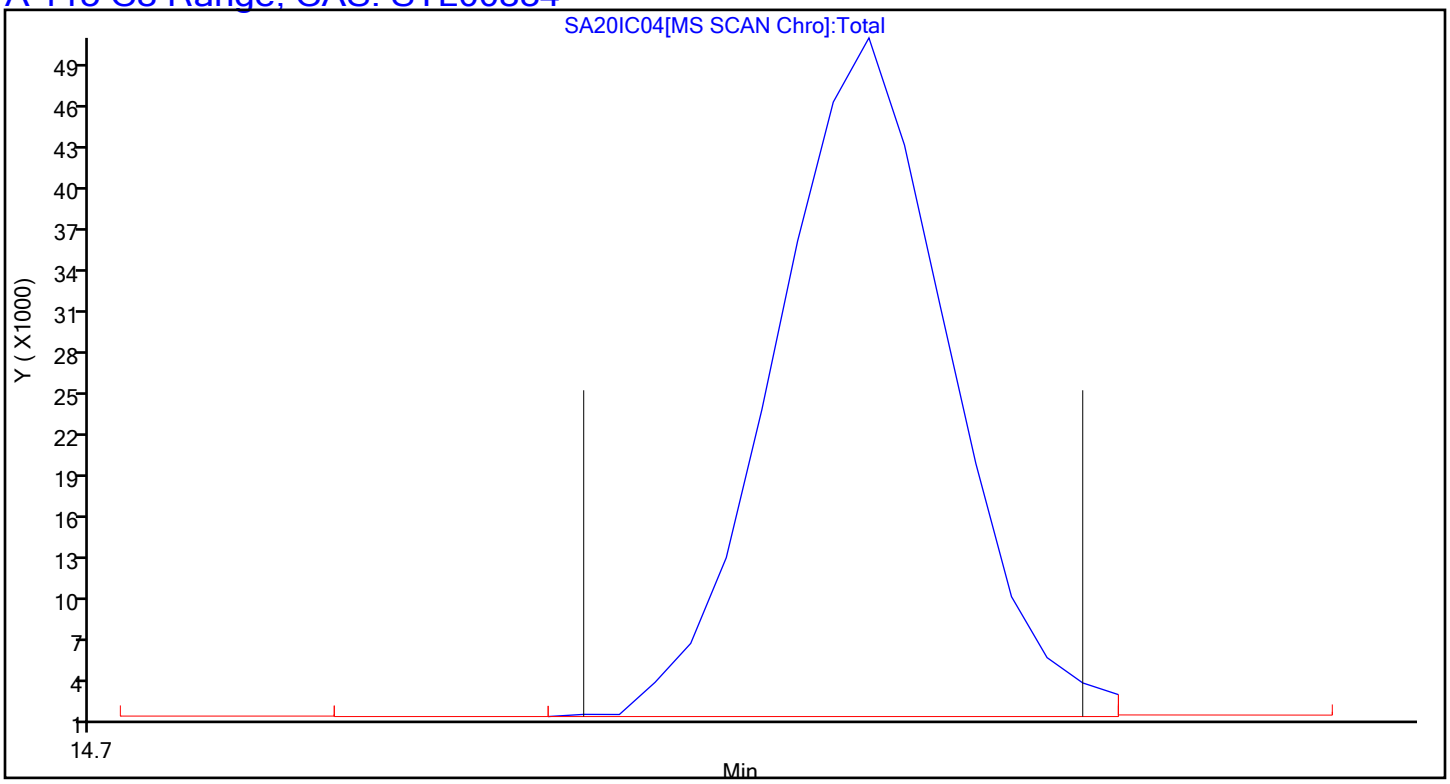


Report Date: 21-Jan-2021 11:23:50 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC04.D				
Injection Date:	20-Jan-2021 23:01:30	Instrument ID:	MS		
Lims ID:	IC L4				
Client ID:					
Operator ID:	afb	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\20210118-17951.b\SA20IC05.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 20-Jan-2021 23:54:30 ALS Bottle#: 14 Worklist Smp#: 13
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: blk
Operator ID: afb Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Jan-2021 11:23:57 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: tajh Date: 21-Jan-2021 11:21:52

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	9.255	9.257	-0.002	97	230778	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.434	11.435	-0.001	95	1102565	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.103	16.104	-0.001	87	948342	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.744	17.747	-0.003	89	722534	4.64	4.67	
6 Chlorodifluoromethane	51	3.806	3.802	0.004	96	52216	0.4000	0.4248	
7 Propene	41	3.822	3.818	0.004	99	22622	0.4000	0.4246	
8 Dichlorodifluoromethane	85	3.875	3.874	0.001	99	73187	0.4000	0.4023	
9 Chloromethane	52	4.075	4.058	0.016	54	5709	0.4000	0.4539	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.079	0.001	92	36811	0.4000	0.4030	
11 Acetaldehyde	44	4.241	4.240	0.001	99	41054	2.00	2.55	
12 Vinyl chloride	62	4.257	4.257	0.000	99	16755	0.4000	0.4023	
13 Butadiene	54	4.354	4.352	0.002	74	12905	0.4000	0.4013	
68 Butane	43	4.354	4.354	0.000	84	22002	0.4000	0.3851	
14 Bromomethane	94	4.704	4.705	-0.001	97	17015	0.4000	0.3892	
15 Chloroethane	64	4.860	4.859	0.001	98	7314	0.4000	0.3921	
16 Ethanol	31	4.946	4.954	-0.008	95	32167	2.00	2.06	
17 Vinyl bromide	106	5.193	5.189	0.004	98	24096	0.4000	0.3921	
18 2-Methylbutane	43	5.236	5.238	-0.002	89	32506	0.4000	0.4131	
19 Trichlorofluoromethane	101	5.479	5.478	0.001	99	73857	0.4000	0.4028	
20 Acrolein	56	5.489	5.491	-0.002	91	8750	0.4000	0.4181	
21 Acetonitrile	40	5.565	5.559	0.006	100	10939	0.4000	0.3856	
22 Acetone	58	5.608	5.613	-0.005	98	57735	1.20	1.61	
23 Isopropyl alcohol	45	5.699	5.701	-0.002	94	98315	1.20	1.17	
33 Pentane	72	5.710	5.711	-0.001	97	4441	0.4000	0.4159	
24 Ethyl ether	31	5.909	5.902	0.007	94	26785	0.4000	0.3971	
39 1,1-Dichloroethene	96	6.232	6.234	-0.002	95	25897	0.4000	0.3968	
25 Acrylonitrile	53	6.345	6.348	-0.003	92	20317	0.4000	0.3919	
26 2-Methyl-2-propanol	59	6.345	6.349	-0.004	94	41493	0.4000	0.3792	
27 112TCTFE	101	6.425	6.419	0.006	95	59397	0.4000	0.4042	
28 Methylene Chloride	84	6.608	6.605	0.003	98	38664	0.4000	0.5574	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
29 3-Chloro-1-propene	39	6.619	6.623	-0.004	95	21865	0.4000	0.3937	
30 Carbon disulfide	76	6.780	6.780	0.000	99	66513	0.4000	0.3769	
40 trans-1,2-Dichloroethene	96	7.453	7.454	-0.001	97	25977	0.4000	0.3937	
32 2-Methylpentane	43	7.469	7.469	0.000	94	56372	0.4000	0.3946	
34 Methyl tert-butyl ether	73	7.598	7.601	-0.003	96	63637	0.4000	0.3788	
35 1,1-Dichloroethane	63	7.889	7.894	-0.005	99	52179	0.4000	0.4047	
36 Vinyl acetate	43	7.996	7.998	-0.002	99	53727	0.4000	0.3334	
37 2-Butanone (MEK)	72	8.475	8.473	0.002	97	12703	0.4000	0.3975	
104 Hexane	56	8.486	8.486	0.000	78	22679	0.4000	0.4067	
38 Isopropyl ether	45	8.658	8.660	-0.002	97	85044	0.4000	0.3900	
31 cis-1,2-Dichloroethene	96	8.916	8.913	0.003	94	27245	0.4000	0.4024	
41 Ethyl acetate	43	9.094	9.096	-0.002	99	57243	0.4000	0.3858	
42 Chloroform	83	9.266	9.264	0.002	90	61103	0.4000	0.4042	
43 Tert-butyl ethyl ether	59	9.352	9.359	-0.007	97	77317	0.4000	0.3844	
44 Tetrahydrofuran	42	9.696	9.693	0.003	93	27299	0.4000	0.3769	
45 1,1,1-Trichloroethane	97	10.320	10.318	0.002	97	55839	0.4000	0.3878	
46 1,2-Dichloroethane	62	10.428	10.428	0.000	97	39021	0.4000	0.3857	
47 n-Butanol	31	10.847	10.836	0.011	78	6830	0.4000	0.3257	
48 Cyclohexane	69	10.912	10.905	0.007	65	11086	0.4000	0.3899	
49 Benzene	78	10.907	10.908	-0.001	97	82610	0.4000	0.4151	
50 Carbon tetrachloride	117	10.933	10.931	0.002	96	53704	0.4000	0.4006	
51 2,3-Dimethylpentane	71	11.014	11.016	-0.002	87	16588	0.4000	0.4106	
52 Thiophene	84	11.181	11.178	0.003	96	44993	0.4000	0.3996	
53 Isooctane	57	11.649	11.646	0.003	98	126005	0.4000	0.3929	
54 n-Heptane	71	12.009	12.011	-0.002	90	22948	0.4000	0.3781	
55 1,2-Dichloropropane	63	12.106	12.108	-0.002	88	30817	0.4000	0.3908	
56 Trichloroethene	130	12.133	12.139	-0.006	95	35276	0.4000	0.4000	
57 Dibromomethane	93	12.225	12.228	-0.003	94	33189	0.4000	0.3949	
58 Dichlorobromomethane	83	12.364	12.367	-0.003	99	53018	0.4000	0.3868	
59 1,4-Dioxane	88	12.386	12.383	0.003	89	10481	0.4000	0.3790	
60 Methyl methacrylate	41	12.440	12.443	-0.003	92	29956	0.4000	0.3597	
61 Methylcyclohexane	83	12.902	12.898	0.004	95	42472	0.4000	0.3520	
62 4-Methyl-2-pentanone (MIBK)	43	13.290	13.288	0.002	98	54868	0.4000	0.3674	
63 cis-1,3-Dichloropropene	75	13.344	13.349	-0.005	95	38858	0.4000	0.3723	
64 trans-1,3-Dichloropropene	75	14.032	14.031	0.001	99	30724	0.4000	0.3425	
65 Toluene	91	14.156	14.156	0.000	93	93640	0.4000	0.3961	
66 1,1,2-Trichloroethane	83	14.231	14.232	-0.001	98	29888	0.4000	0.4074	
67 2-Hexanone	58	14.597	14.597	0.000	92	23815	0.4000	0.3250	
69 n-Octane	85	14.818	14.817	0.001	93	25667	0.4000	0.3827	
70 Chlorodibromomethane	129	14.925	14.929	-0.004	98	45265	0.4000	0.3506	
71 Ethylene Dibromide	107	15.221	15.218	0.003	99	50720	0.4000	0.3903	
72 Tetrachloroethene	129	15.286	15.286	0.000	95	34597	0.4000	0.4042	
73 2,3-Dimethylheptane	43	16.146	16.148	-0.002	95	90296	0.4000	0.4252	
74 Chlorobenzene	112	16.152	16.151	0.001	88	77130	0.4000	0.4068	
80 Ethylbenzene	91	16.431	16.430	0.001	99	115793	0.4000	0.3913	
75 m-Xylene & p-Xylene	91	16.587	16.589	-0.002	98	188414	0.8000	0.8424	
77 n-Nonane	57	16.991	16.991	0.000	91	56539	0.4000	0.3765	
78 Bromoform	173	17.055	17.054	0.001	92	34585	0.4000	0.3038	
79 Styrene	104	17.061	17.060	0.001	99	60598	0.4000	0.3782	
76 o-Xylene	91	17.120	17.121	-0.001	98	102187	0.4000	0.4040	
81 1,1,2,2-Tetrachloroethane	83	17.448	17.447	0.001	99	78662	0.4000	0.4038	
82 1,2,3-Trichloropropane	110	17.610	17.612	-0.002	97	21147	0.4000	0.4030	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
83 Isopropylbenzene	105	17.712	17.713	-0.001	94	128657	0.4000	0.3807	
84 N-Propylbenzene	120	18.244	18.243	0.001	99	33922	0.4000	0.3706	
85 2-Chlorotoluene	126	18.293	18.293	0.000	98	35266	0.4000	0.4063	
86 4-Ethyltoluene	105	18.390	18.391	-0.001	99	136070	0.4000	0.3838	
87 1,3,5-Trimethylbenzene	120	18.460	18.461	-0.001	93	54442	0.4000	0.3904	
89 Alpha Methyl Styrene	118	18.691	18.692	-0.001	89	41213	0.4000	0.3524	
103 n-Decane	57	18.734	18.733	0.001	89	87958	0.4000	0.4082	
95 tert-Butylbenzene	119	18.884	18.884	0.000	93	122629	0.4000	0.3973	
88 1,2,4-Trimethylbenzene	105	18.895	18.896	-0.001	96	120800	0.4000	0.4106	
90 sec-Butylbenzene	105	19.148	19.148	0.000	99	164774	0.4000	0.3835	
91 1,3-Dichlorobenzene	146	19.170	19.168	0.002	99	81413	0.4000	0.4010	
92 Benzyl chloride	91	19.240	19.242	-0.002	98	61192	0.4000	0.2789	
93 1,4-Dichlorobenzene	146	19.256	19.255	0.001	93	78827	0.4000	0.3945	
94 4-Isopropyltoluene	119	19.304	19.306	-0.002	97	139609	0.4000	0.3977	
96 1,2,3-Trimethylbenzene	105	19.363	19.363	0.000	99	117883	0.4000	0.3925	
97 Butylcyclohexane	83	19.412	19.412	0.000	92	100492	0.4000	0.4131	
98 2,3-Dihydroindene	117	19.611	19.611	0.000	93	108617	0.4000	0.4011	
99 1,2-Dichlorobenzene	146	19.611	19.612	-0.001	84	81170	0.4000	0.4021	
100 n-Butylbenzene	91	19.734	19.734	0.000	98	144099	0.4000	0.3953	
101 Indene	116	19.740	19.740	0.000	95	89460	0.4000	0.3720	
102 Undecane	57	20.025	20.028	-0.003	94	94769	0.4000	0.3852	
105 1,2-Dibromo-3-Chloropropane	157	20.208	20.207	0.001	90	27767	0.4000	0.3106	
106 1,2,4,5-Tetramethylbenzene	119	20.488	20.489	-0.001	96	112875	0.4000	0.3626	
107 Dodecane	57	21.106	21.107	-0.001	96	83908	0.4000	0.3347	
108 1,2,4-Trichlorobenzene	180	21.343	21.343	0.000	94	52780	0.4000	0.3476	
109 Naphthalene	128	21.488	21.489	-0.001	99	119046	0.4000	0.3311	
110 Hexachlorobutadiene	225	21.676	21.676	0.000	95	56299	0.4000	0.4016	
111 1,2,3-Trichlorobenzene	180	21.741	21.740	0.001	95	43082	0.4000	0.3654	
113 2-Methylnaphthalene	142	22.290	22.289	0.001	99	9720	0.4000	0.1483	
112 1-Methylnaphthalene	142	22.413	22.413	0.000	99	21283	0.4000	0.2273	
A 115 C8 Range	1	14.823	(14.774-14.861)		0	262519	0.4000	0.3963	
S 116 Xylenes, Total	100				0		1.20	1.25	
S 117 1,2-Dichloroethene, Total	1				0		0.8000	0.7961	

QC Flag Legend

Processing Flags

Reagents:

40L5DQP_00023	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

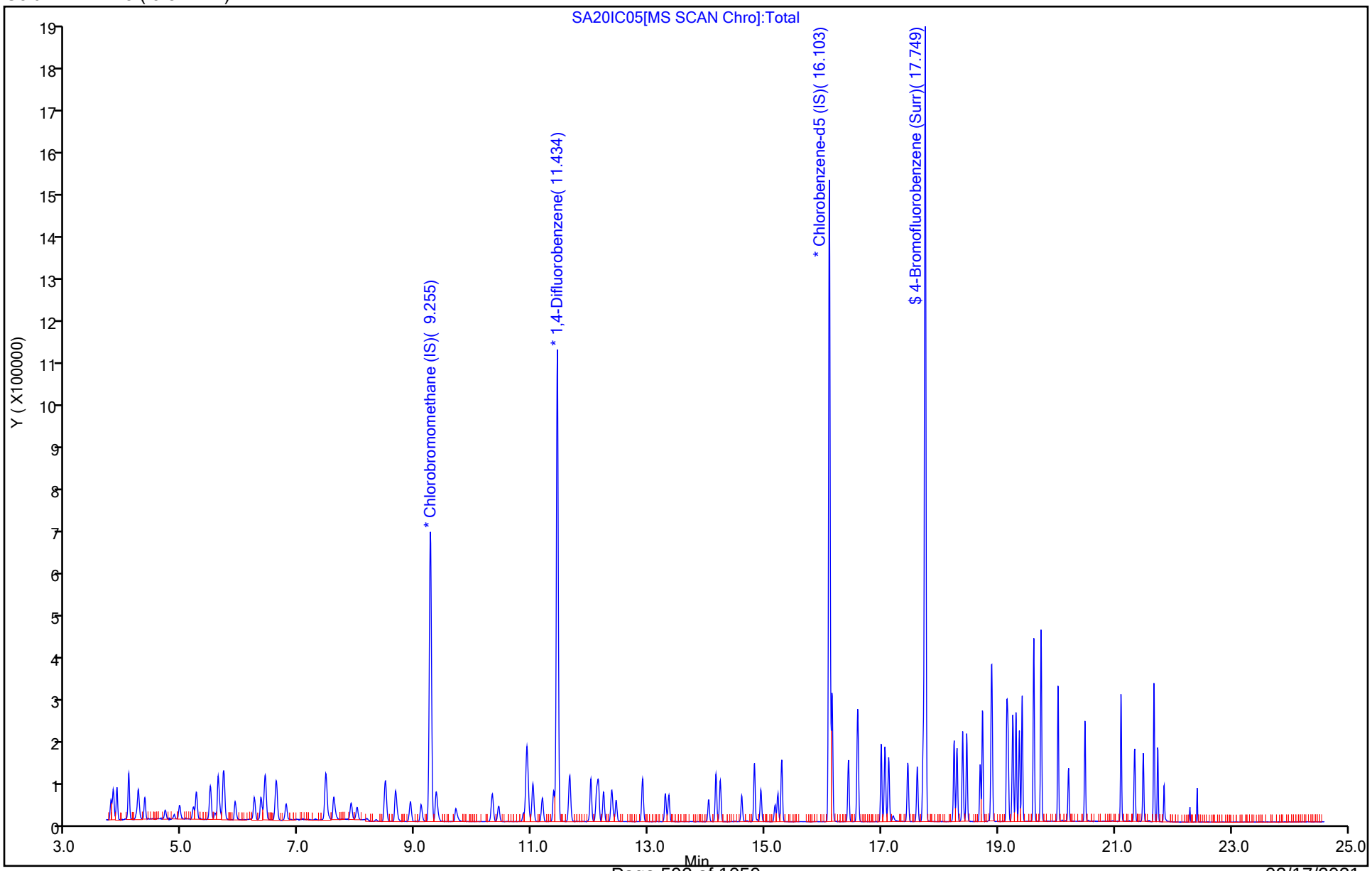
Report Date: 21-Jan-2021 11:23:58 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC05.D

Injection Date:	20-Jan-2021 23:54:30	Instrument ID:	MS	Operator ID:	afb
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)

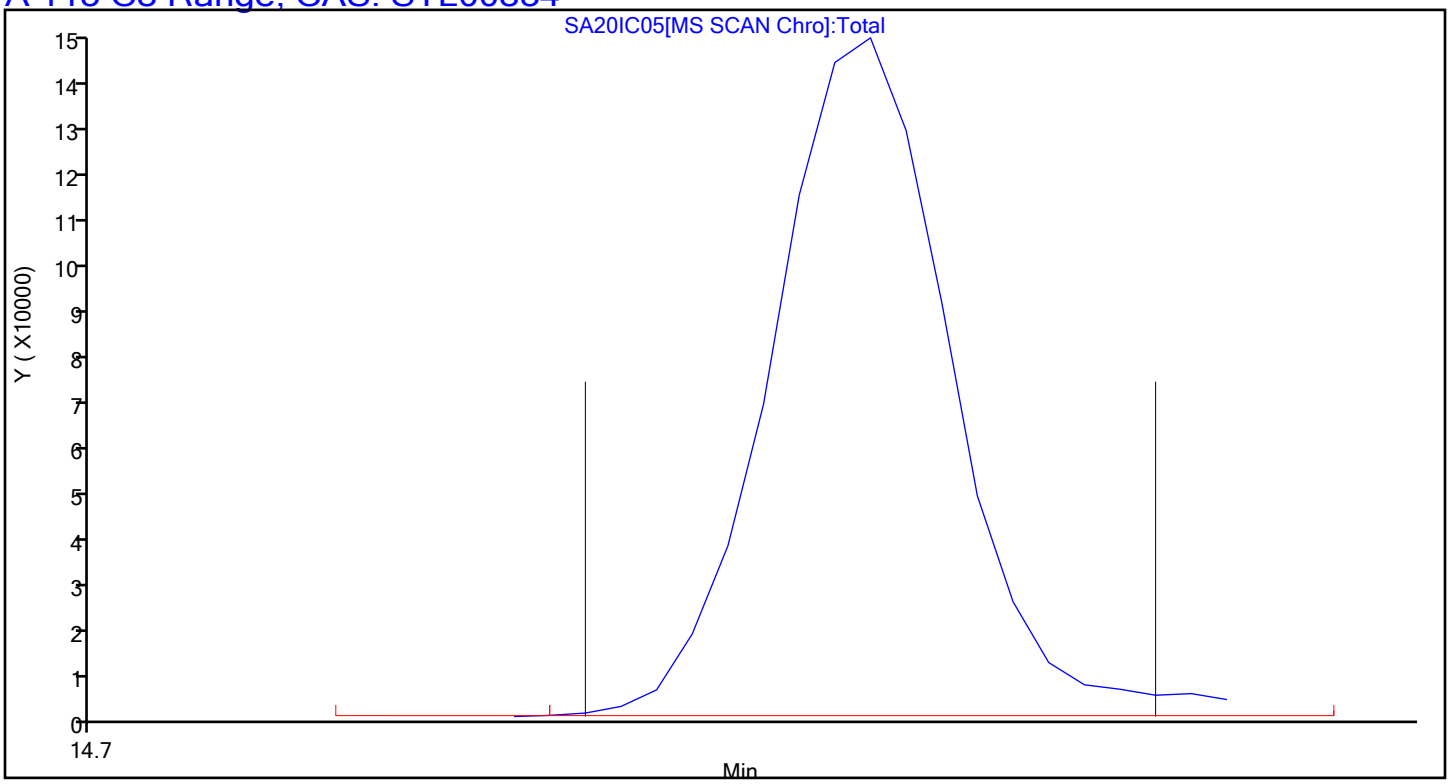


Report Date: 21-Jan-2021 11:23:58 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC05.D				
Injection Date:	20-Jan-2021 23:54:30	Instrument ID:	MS		
Lims ID:	IC L5				
Client ID:					
Operator ID:	afb	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\20210118-17951.b\SA20IC06.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 21-Jan-2021 00:48:30 ALS Bottle#: 15 Worklist Smp#: 14
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: blk
Operator ID: afb Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Jan-2021 11:24:05 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: tajh Date: 21-Jan-2021 11:02:50

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	9.260	9.257	0.003	98	234751	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.434	11.435	-0.001	94	1123781	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.103	16.104	-0.001	90	968099	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.749	17.747	0.002	89	739609	4.64	4.68	
6 Chlorodifluoromethane	51	3.805	3.802	0.003	96	126004	1.00	1.01	M
7 Propene	41	3.821	3.818	0.003	98	56501	1.00	1.04	
8 Dichlorodifluoromethane	85	3.875	3.874	0.001	100	186727	1.00	1.01	
9 Chloromethane	52	4.074	4.058	0.016	99	12646	1.00	0.9885	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.079	0.001	92	92803	1.00	1.00	
11 Acetaldehyde	44	4.241	4.240	0.001	99	89963	5.00	5.49	
12 Vinyl chloride	62	4.263	4.257	0.006	98	42346	1.00	1.00	
68 Butane	43	4.354	4.354	0.000	84	56905	1.00	0.9792	
13 Butadiene	54	4.354	4.352	0.002	70	30782	1.00	0.9411	
14 Bromomethane	94	4.704	4.705	-0.001	98	40919	1.00	0.9202	
15 Chloroethane	64	4.860	4.859	0.001	98	19088	1.00	1.01	
16 Ethanol	31	4.951	4.954	-0.003	96	70480	5.00	4.43	
17 Vinyl bromide	106	5.188	5.189	-0.001	97	61397	1.00	0.9821	
18 2-Methylbutane	43	5.236	5.238	-0.002	92	82399	1.00	1.03	
19 Trichlorofluoromethane	101	5.478	5.478	0.000	100	181294	1.00	0.9719	
20 Acrolein	56	5.489	5.491	-0.002	31	22271	1.00	1.05	
21 Acetonitrile	40	5.554	5.559	-0.005	95	27597	1.00	0.9564	
22 Acetone	58	5.613	5.613	0.000	98	121186	3.00	3.33	
23 Isopropyl alcohol	45	5.688	5.701	-0.013	95	249346	3.00	2.92	
33 Pentane	72	5.715	5.711	0.004	97	11156	1.00	1.03	
24 Ethyl ether	31	5.898	5.902	-0.004	95	68430	1.00	1.00	
39 1,1-Dichloroethene	96	6.237	6.234	0.003	97	67001	1.00	1.01	
26 2-Methyl-2-propanol	59	6.334	6.349	-0.015	95	108860	1.00	0.9780	
25 Acrylonitrile	53	6.344	6.348	-0.004	94	52317	1.00	0.99	
27 112TCTFE	101	6.420	6.419	0.001	95	150351	1.00	1.01	
28 Methylene Chloride	84	6.603	6.605	-0.002	98	74178	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
29 3-Chloro-1-propene	39	6.624	6.623	0.001	95	49288	1.00	0.8725	
30 Carbon disulfide	76	6.780	6.780	0.000	98	172795	1.00	0.9626	
40 trans-1,2-Dichloroethene	96	7.458	7.454	0.004	98	68171	1.00	1.02	
32 2-Methylpentane	43	7.469	7.469	0.000	95	150835	1.00	1.04	
34 Methyl tert-butyl ether	73	7.587	7.601	-0.014	97	170007	1.00	0.99	
35 1,1-Dichloroethane	63	7.894	7.894	0.000	100	129352	1.00	0.9864	
36 Vinyl acetate	43	7.996	7.998	-0.002	100	152729	1.00	0.9317	
37 2-Butanone (MEK)	72	8.464	8.473	-0.009	97	32835	1.00	1.01	
104 Hexane	56	8.486	8.486	0.000	91	57904	1.00	1.02	
38 Isopropyl ether	45	8.647	8.660	-0.013	98	226420	1.00	1.02	
31 cis-1,2-Dichloroethene	96	8.911	8.913	-0.002	95	70079	1.00	1.02	
41 Ethyl acetate	43	9.088	9.096	-0.008	99	149872	1.00	0.99	
42 Chloroform	83	9.266	9.264	0.002	88	148235	1.00	0.9639	
43 Tert-butyl ethyl ether	59	9.346	9.359	-0.013	96	207909	1.00	1.02	
44 Tetrahydrofuran	42	9.680	9.693	-0.013	95	72763	1.00	0.9875	
45 1,1,1-Trichloroethane	97	10.315	10.318	-0.003	96	145004	1.00	0.9899	
46 1,2-Dichloroethane	62	10.428	10.428	0.000	98	100009	1.00	0.9699	
47 n-Butanol	31	10.842	10.836	0.006	86	17980	1.00	0.8413	
49 Benzene	78	10.906	10.908	-0.002	98	207299	1.00	1.02	
48 Cyclohexane	69	10.906	10.905	0.001	67	31199	1.00	1.08	
50 Carbon tetrachloride	117	10.928	10.931	-0.003	96	122642	1.00	0.8975	
51 2,3-Dimethylpentane	71	11.009	11.016	-0.007	91	42439	1.00	1.03	
52 Thiophene	84	11.175	11.178	-0.003	97	118333	1.00	1.03	
53 Isooctane	57	11.643	11.646	-0.003	99	337820	1.00	1.03	
54 n-Heptane	71	12.009	12.011	-0.002	92	63625	1.00	1.03	
55 1,2-Dichloropropane	63	12.106	12.108	-0.002	89	80522	1.00	1.00	
56 Trichloroethene	130	12.138	12.139	-0.001	97	90278	1.00	1.00	
57 Dibromomethane	93	12.230	12.228	0.002	96	84718	1.00	0.9890	
58 Dichlorobromomethane	83	12.364	12.367	-0.003	99	142366	1.00	1.02	
59 1,4-Dioxane	88	12.380	12.383	-0.003	90	26956	1.00	0.9563	
60 Methyl methacrylate	41	12.440	12.443	-0.003	94	83254	1.00	0.9808	
61 Methylcyclohexane	83	12.897	12.898	-0.001	95	115123	1.00	0.9377	
62 4-Methyl-2-pentanone (MIBK)	43	13.279	13.288	-0.009	97	149197	1.00	0.9803	
63 cis-1,3-Dichloropropene	75	13.349	13.349	0.000	95	107520	1.00	1.01	
64 trans-1,3-Dichloropropene	75	14.032	14.031	0.001	99	88593	1.00	0.9675	
65 Toluene	91	14.156	14.156	0.000	93	244516	1.00	1.01	
66 1,1,2-Trichloroethane	83	14.231	14.232	-0.001	98	77139	1.00	1.03	
67 2-Hexanone	58	14.591	14.597	-0.006	94	74544	1.00	1.00	
69 n-Octane	85	14.817	14.817	0.000	94	71399	1.00	1.04	
70 Chlorodibromomethane	129	14.930	14.929	0.001	98	130574	1.00	0.99	
71 Ethylene Dibromide	107	15.215	15.218	-0.003	98	137258	1.00	1.03	
72 Tetrachloroethene	129	15.285	15.286	-0.001	96	88497	1.00	1.01	
73 2,3-Dimethylheptane	43	16.146	16.148	-0.002	96	230508	1.00	1.06	
74 Chlorobenzene	112	16.151	16.151	0.000	87	197319	1.00	1.02	
80 Ethylbenzene	91	16.431	16.430	0.001	98	312778	1.00	1.04	
75 m-Xylene & p-Xylene	91	16.587	16.589	-0.002	98	503728	2.00	2.21	
77 n-Nonane	57	16.991	16.991	0.000	92	161050	1.00	1.05	
78 Bromoform	173	17.055	17.054	0.001	93	114746	1.00	0.9874	
79 Styrene	104	17.061	17.060	0.001	98	179278	1.00	1.10	
76 o-Xylene	91	17.120	17.121	-0.001	99	270144	1.00	1.05	
81 1,1,2,2-Tetrachloroethane	83	17.448	17.447	0.001	99	205184	1.00	1.03	
82 1,2,3-Trichloropropane	110	17.609	17.612	-0.003	98	56039	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
83 Isopropylbenzene	105	17.712	17.713	-0.001	96	356048	1.00	1.03	
84 N-Propylbenzene	120	18.244	18.243	0.001	99	94512	1.00	1.01	
85 2-Chlorotoluene	126	18.293	18.293	-0.001	97	91079	1.00	1.03	
86 4-Ethyltoluene	105	18.389	18.391	-0.002	99	372978	1.00	1.03	
87 1,3,5-Trimethylbenzene	120	18.459	18.461	-0.002	93	152135	1.00	1.07	
89 Alpha Methyl Styrene	118	18.691	18.692	-0.001	89	137378	1.00	0.9528	
103 n-Decane	57	18.734	18.733	0.001	89	235879	1.00	1.07	
95 tert-Butylbenzene	119	18.884	18.884	0.000	91	330650	1.00	1.05	
88 1,2,4-Trimethylbenzene	105	18.895	18.896	-0.001	95	319158	1.00	1.06	
90 sec-Butylbenzene	105	19.148	19.148	0.000	99	461440	1.00	1.05	
91 1,3-Dichlorobenzene	146	19.169	19.168	0.001	99	210427	1.00	1.02	
92 Benzyl chloride	91	19.245	19.242	0.003	97	225238	1.00	1.01	
93 1,4-Dichlorobenzene	146	19.255	19.255	0.000	93	206504	1.00	1.01	
94 4-Isopropyltoluene	119	19.304	19.306	-0.002	97	387625	1.00	1.08	
96 1,2,3-Trimethylbenzene	105	19.363	19.363	0.000	99	327025	1.00	1.07	
97 Butylcyclohexane	83	19.411	19.412	-0.001	94	266854	1.00	1.07	
98 2,3-Dihydroindene	117	19.611	19.611	-0.001	94	299913	1.00	1.09	
99 1,2-Dichlorobenzene	146	19.611	19.612	-0.002	96	212102	1.00	1.03	
100 n-Butylbenzene	91	19.734	19.734	0.000	98	400818	1.00	1.08	
101 Indene	116	19.740	19.740	0.000	91	259194	1.00	1.06	
102 Undecane	57	20.030	20.028	0.002	96	268847	1.00	1.07	
105 1,2-Dibromo-3-Chloropropane	157	20.208	20.207	0.001	93	92571	1.00	1.01	
106 1,2,4,5-Tetramethylbenzene	119	20.487	20.489	-0.002	97	343983	1.00	1.08	
107 Dodecane	57	21.106	21.107	-0.001	96	281224	1.00	1.10	
108 1,2,4-Trichlorobenzene	180	21.343	21.343	0.000	94	157395	1.00	1.02	
109 Naphthalene	128	21.488	21.489	-0.001	99	379961	1.00	1.04	
110 Hexachlorobutadiene	225	21.676	21.676	0.000	95	146806	1.00	1.03	
111 1,2,3-Trichlorobenzene	180	21.741	21.740	0.001	95	124828	1.00	1.04	
113 2-Methylnaphthalene	142	22.290	22.289	0.001	98	49446	1.00	0.7390	
112 1-Methylnaphthalene	142	22.413	22.413	0.000	99	86626	1.00	0.9063	
A 115 C8 Range	1	14.817	(14.774-14.860)		0	693136	1.00	1.03	
S 116 Xylenes, Total	100				0		3.00	3.25	
S 117 1,2-Dichloroethene, Total	1				0		2.00	2.03	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

40L6DQP_00022	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

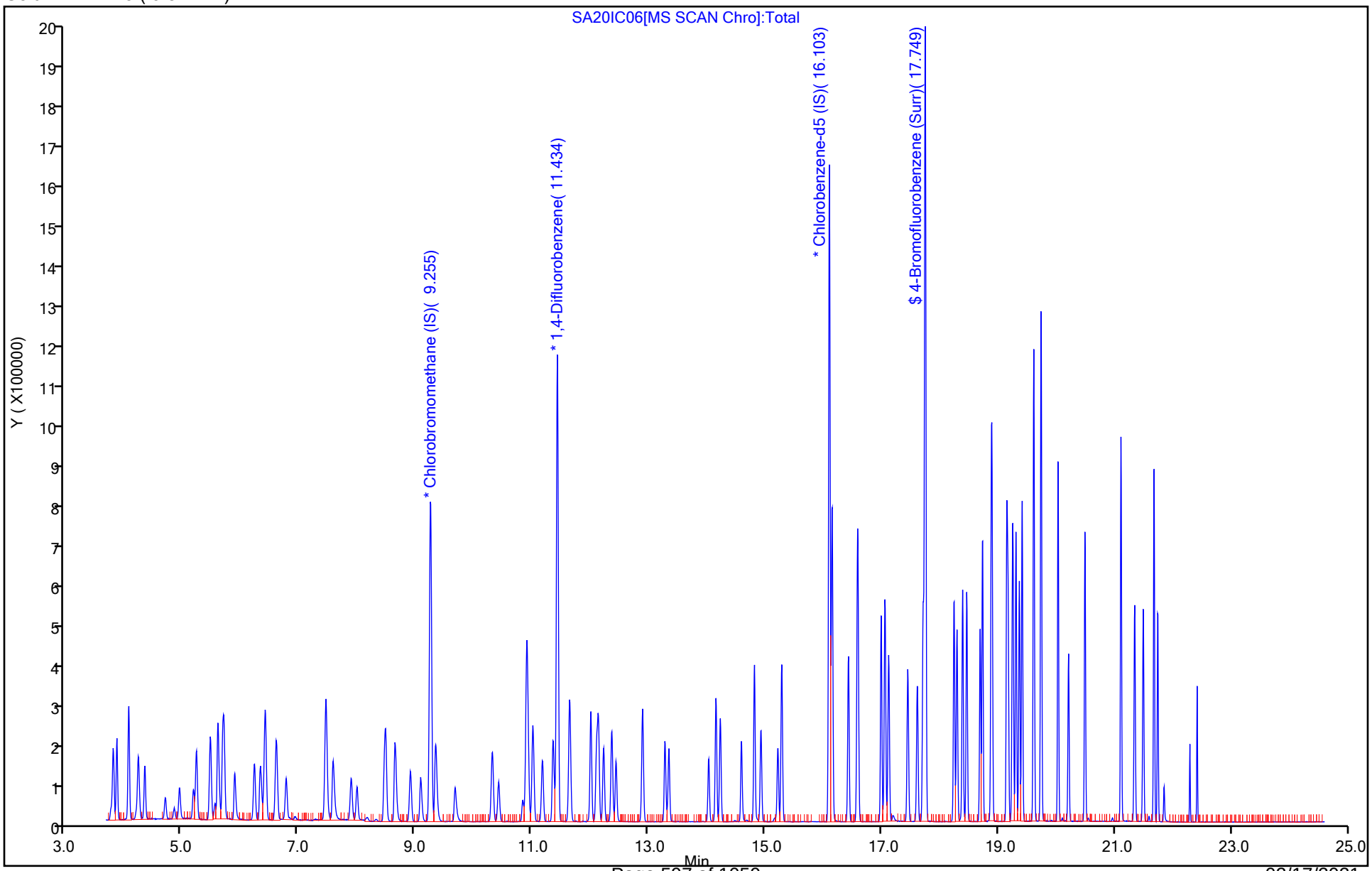
Report Date: 21-Jan-2021 11:24:06 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC06.D

Injection Date:	21-Jan-2021 00:48:30	Instrument ID:	MS	Operator ID:	afb
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)

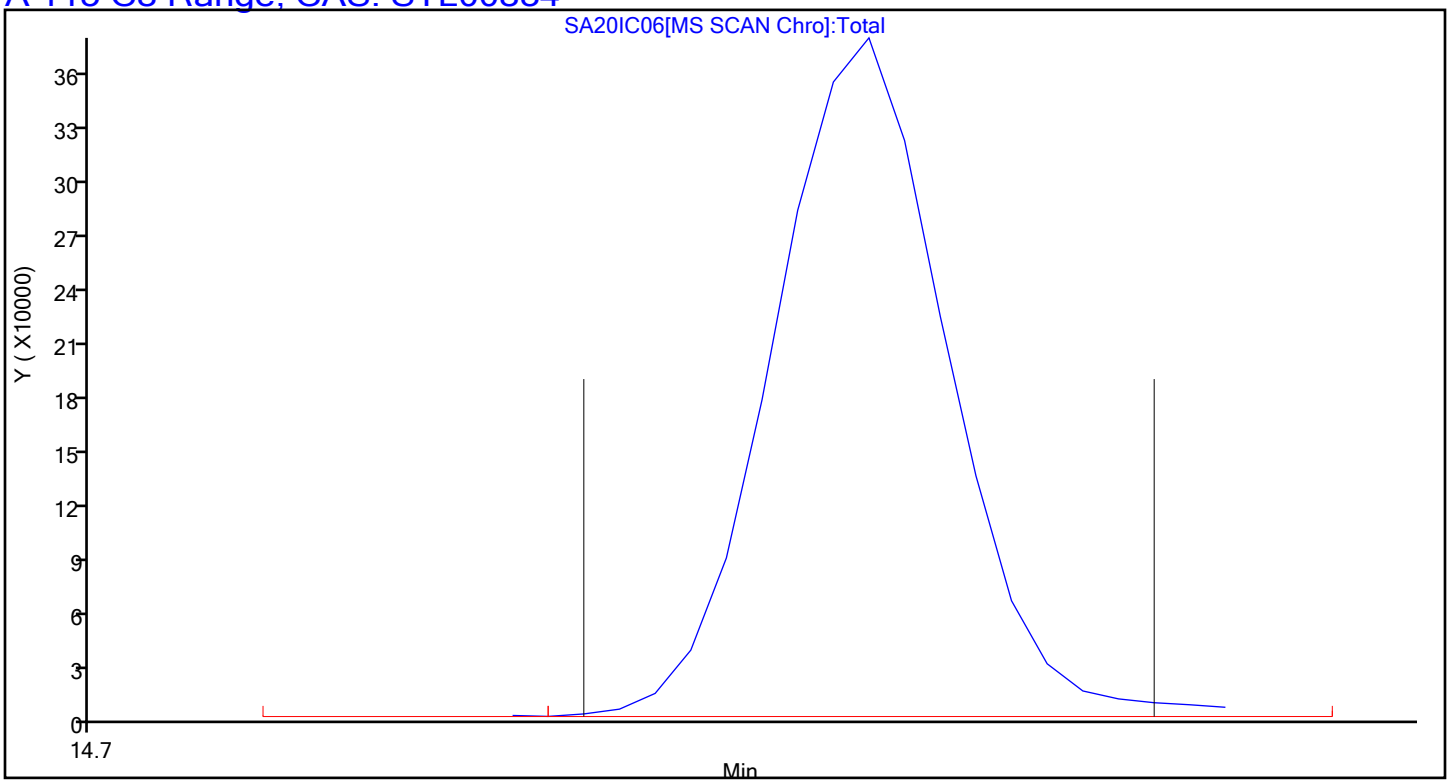


Report Date: 21-Jan-2021 11:24:07 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC06.D				
Injection Date:	21-Jan-2021 00:48:30	Instrument ID:	MS		
Lims ID:	IC L6				
Client ID:					
Operator ID:	afb	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



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

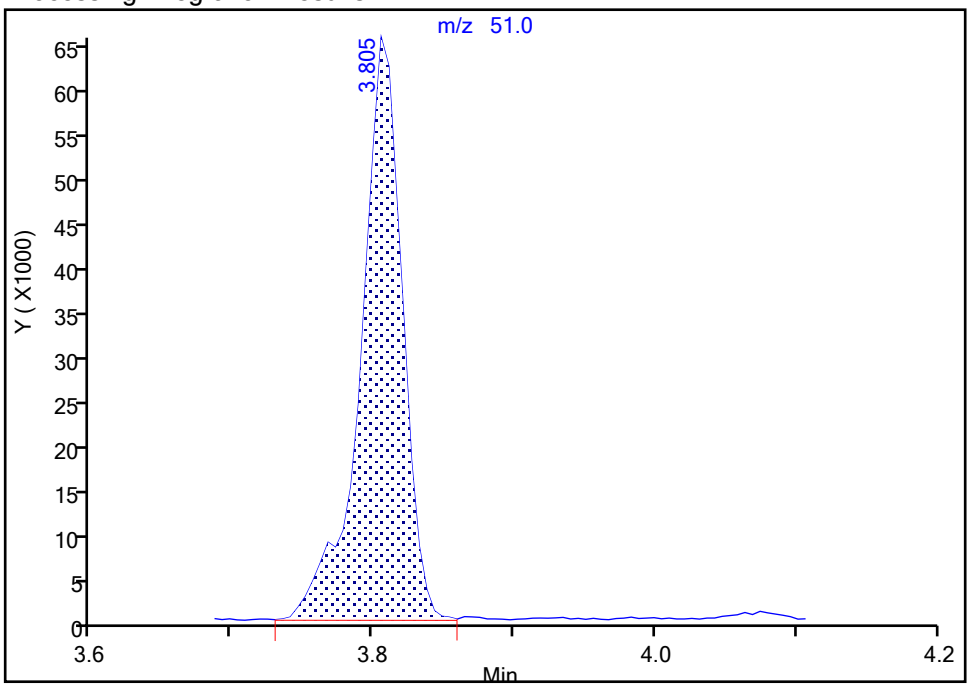
Data File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC06.D				
Injection Date:	21-Jan-2021 00:48:30	Instrument ID:	MS		
Lims ID:	IC L6				
Client ID:					
Operator ID:	afb	ALS Bottle#:	15	Worklist Smp#:	14
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MS_TO15A	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

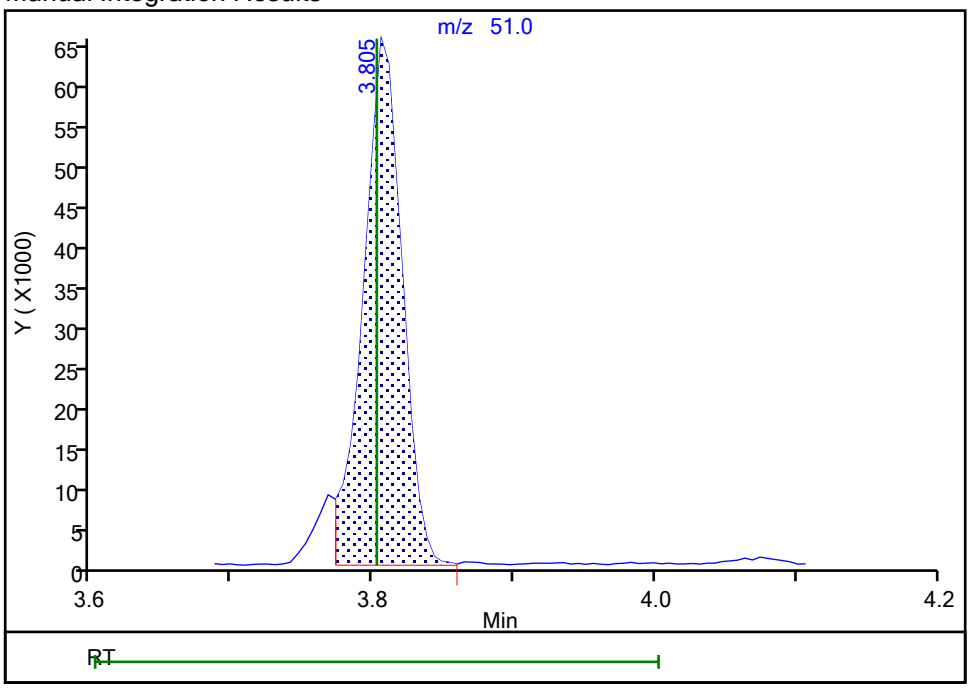
Processing Integration Results

RT: 3.81
Area: 133846
Amount: 1.060028
Amount Units: ppb v/v



Manual Integration Results

RT: 3.81
Area: 126004
Amount: 1.007700
Amount Units: ppb v/v



Reviewer: tajh, 21-Jan-2021 11:04:21
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC07.D
Lims ID: ICIS L7
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 21-Jan-2021 01:41:30 ALS Bottle#: 16 Worklist Smp#: 15
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: blk
Operator ID: afb Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Jan-2021 11:24:15 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: tajh Date: 21-Jan-2021 09:07:46

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	9.255	9.257	-0.002	97	239538	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.434	11.435	-0.001	95	1156240	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.103	16.104	-0.001	87	1008042	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.744	17.747	-0.003	90	765486	4.64	4.66	
6 Chlorodifluoromethane	51	3.811	3.802	0.009	96	256341	2.00	2.01	M
7 Propene	41	3.822	3.818	0.004	99	110543	2.00	2.00	
8 Dichlorodifluoromethane	85	3.875	3.874	0.001	100	378280	2.00	2.00	
9 Chloromethane	52	4.074	4.058	0.016	53	27334	2.00	2.09	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.079	0.001	91	189345	2.00	2.00	
11 Acetaldehyde	44	4.241	4.240	0.001	98	162973	10.0	9.74	
12 Vinyl chloride	62	4.263	4.257	0.006	98	87772	2.00	2.03	
68 Butane	43	4.354	4.354	0.000	83	116475	2.00	1.96	
13 Butadiene	54	4.354	4.352	0.002	72	65086	2.00	1.95	
14 Bromomethane	94	4.709	4.705	0.004	99	85787	2.00	1.89	
15 Chloroethane	64	4.860	4.859	0.001	98	38799	2.00	2.00	
16 Ethanol	31	4.951	4.954	-0.003	96	158500	10.0	9.76	
17 Vinyl bromide	106	5.188	5.189	-0.001	99	129950	2.00	2.04	
18 2-Methylbutane	43	5.242	5.238	0.004	90	162479	2.00	1.99	
19 Trichlorofluoromethane	101	5.478	5.478	0.000	100	373058	2.00	1.96	
20 Acrolein	56	5.489	5.491	-0.002	90	36368	2.00	1.67	
21 Acetonitrile	40	5.559	5.559	0.000	99	62050	2.00	2.11	
22 Acetone	58	5.602	5.613	-0.011	97	217354	6.00	5.85	
23 Isopropyl alcohol	45	5.688	5.701	-0.013	97	554811	6.00	6.37	
33 Pentane	72	5.715	5.711	0.004	96	22773	2.00	2.05	
24 Ethyl ether	31	5.893	5.902	-0.009	96	143513	2.00	2.05	
39 1,1-Dichloroethene	96	6.237	6.234	0.003	91	138612	2.00	2.05	
26 2-Methyl-2-propanol	59	6.323	6.349	-0.026	95	249416	2.00	2.20	
25 Acrylonitrile	53	6.345	6.348	-0.003	94	110062	2.00	2.05	
27 112TCTFE	101	6.420	6.419	0.001	95	304610	2.00	2.00	
28 Methylene Chloride	84	6.608	6.605	0.003	98	138410	2.00	1.92	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
29 3-Chloro-1-propene	39	6.619	6.623	-0.004	96	113828	2.00	1.97	
30 Carbon disulfide	76	6.780	6.780	0.000	99	370404	2.00	2.02	
40 trans-1,2-Dichloroethene	96	7.453	7.454	-0.001	98	142557	2.00	2.08	
32 2-Methylpentane	43	7.469	7.469	0.000	95	310977	2.00	2.10	
34 Methyl tert-butyl ether	73	7.577	7.601	-0.024	97	363900	2.00	2.09	
35 1,1-Dichloroethane	63	7.894	7.894	0.000	99	266485	2.00	1.99	
36 Vinyl acetate	43	7.996	7.998	-0.002	100	325853	2.00	1.95	
37 2-Butanone (MEK)	72	8.453	8.473	-0.020	98	66226	2.00	2.00	
104 Hexane	56	8.486	8.486	0.000	88	118857	2.00	2.05	
38 Isopropyl ether	45	8.647	8.660	-0.013	99	482227	2.00	2.13	
31 cis-1,2-Dichloroethene	96	8.911	8.913	-0.002	95	147172	2.00	2.09	
41 Ethyl acetate	43	9.083	9.096	-0.013	99	314256	2.00	2.04	
42 Chloroform	83	9.266	9.264	0.002	96	303601	2.00	1.93	
43 Tert-butyl ethyl ether	59	9.341	9.359	-0.018	95	445271	2.00	2.13	
44 Tetrahydrofuran	42	9.669	9.693	-0.024	94	154789	2.00	2.06	
45 1,1,1-Trichloroethane	97	10.320	10.318	0.002	96	306570	2.00	2.05	
46 1,2-Dichloroethane	62	10.428	10.428	0.000	97	202684	2.00	1.91	
47 n-Butanol	31	10.831	10.836	-0.005	85	44255	2.00	2.01	
48 Cyclohexane	69	10.906	10.905	0.001	67	64612	2.00	2.17	
49 Benzene	78	10.906	10.908	-0.002	97	425896	2.00	2.04	
50 Carbon tetrachloride	117	10.928	10.931	-0.003	97	285058	2.00	2.03	
51 2,3-Dimethylpentane	71	11.014	11.016	-0.002	92	93070	2.00	2.20	
52 Thiophene	84	11.181	11.178	0.003	96	250009	2.00	2.12	
53 Isooctane	57	11.643	11.646	-0.003	99	703925	2.00	2.09	
54 n-Heptane	71	12.009	12.011	-0.002	91	136014	2.00	2.14	
55 1,2-Dichloropropane	63	12.106	12.108	-0.002	91	169196	2.00	2.05	
56 Trichloroethene	130	12.138	12.139	-0.001	96	188117	2.00	2.03	
57 Dibromomethane	93	12.224	12.228	-0.004	96	176250	2.00	2.00	
58 Dichlorobromomethane	83	12.364	12.367	-0.003	99	304432	2.00	2.12	
59 1,4-Dioxane	88	12.370	12.383	-0.013	38	64412	2.00	2.22	
60 Methyl methacrylate	41	12.440	12.443	-0.003	94	184364	2.00	2.11	
61 Methylcyclohexane	83	12.897	12.898	-0.001	95	250686	2.00	1.99	
62 4-Methyl-2-pentanone (MIBK)	43	13.273	13.288	-0.015	97	330937	2.00	2.11	
63 cis-1,3-Dichloropropene	75	13.349	13.349	0.000	94	237968	2.00	2.17	
64 trans-1,3-Dichloropropene	75	14.032	14.031	0.001	98	207890	2.00	2.18	
65 Toluene	91	14.156	14.156	0.000	93	513084	2.00	2.04	
66 1,1,2-Trichloroethane	83	14.231	14.232	-0.001	98	159597	2.00	2.05	
67 2-Hexanone	58	14.591	14.597	-0.006	95	172530	2.00	2.22	
69 n-Octane	85	14.817	14.817	0.000	94	156229	2.00	2.19	
70 Chlorodibromomethane	129	14.930	14.929	0.001	98	299181	2.00	2.18	
71 Ethylene Dibromide	107	15.221	15.218	0.003	98	292161	2.00	2.11	
72 Tetrachloroethene	129	15.285	15.286	-0.001	97	185153	2.00	2.04	
73 2,3-Dimethylheptane	43	16.146	16.148	-0.002	95	469381	2.00	2.08	
74 Chlorobenzene	112	16.152	16.151	0.001	93	407889	2.00	2.02	
80 Ethylbenzene	91	16.431	16.430	0.001	98	668276	2.00	2.12	
75 m-Xylene & p-Xylene	91	16.587	16.589	-0.002	98	1057882	4.00	4.45	
77 n-Nonane	57	16.991	16.991	0.000	92	349571	2.00	2.19	
78 Bromoform	173	17.055	17.054	0.001	94	273760	2.00	2.26	
79 Styrene	104	17.055	17.060	-0.005	99	399977	2.00	2.35	
76 o-Xylene	91	17.120	17.121	-0.001	99	568795	2.00	2.12	
81 1,1,2,2-Tetrachloroethane	83	17.448	17.447	0.001	99	433701	2.00	2.09	
82 1,2,3-Trichloropropane	110	17.609	17.612	-0.003	98	112860	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
83 Isopropylbenzene	105	17.712	17.713	-0.001	95	753915	2.00	2.10	
84 N-Propylbenzene	120	18.239	18.243	-0.004	99	209006	2.00	2.15	
85 2-Chlorotoluene	126	18.293	18.293	0.000	97	195841	2.00	2.12	
86 4-Ethyltoluene	105	18.389	18.391	-0.002	99	789934	2.00	2.10	
87 1,3,5-Trimethylbenzene	120	18.459	18.461	-0.002	93	319170	2.00	2.15	
89 Alpha Methyl Styrene	118	18.691	18.692	-0.001	89	314583	2.00	1.99	
103 n-Decane	57	18.728	18.733	-0.005	89	478761	2.00	2.09	
95 tert-Butylbenzene	119	18.884	18.884	0.000	94	689287	2.00	2.10	
88 1,2,4-Trimethylbenzene	105	18.895	18.896	-0.001	96	672153	2.00	2.15	
90 sec-Butylbenzene	105	19.148	19.148	0.000	99	974026	2.00	2.13	
91 1,3-Dichlorobenzene	146	19.170	19.168	0.002	99	437702	2.00	2.03	
92 Benzyl chloride	91	19.239	19.242	-0.003	98	512115	2.00	2.20	
93 1,4-Dichlorobenzene	146	19.256	19.255	0.001	95	431942	2.00	2.03	
94 4-Isopropyltoluene	119	19.304	19.306	-0.002	97	811640	2.00	2.18	
96 1,2,3-Trimethylbenzene	105	19.363	19.363	0.000	98	680502	2.00	2.13	
97 Butylcyclohexane	83	19.412	19.412	0.000	94	547867	2.00	2.12	
98 2,3-Dihydroindene	117	19.611	19.611	0.000	94	628741	2.00	2.18	
99 1,2-Dichlorobenzene	146	19.611	19.612	-0.001	81	432530	2.00	2.02	
100 n-Butylbenzene	91	19.734	19.734	0.000	98	824763	2.00	2.13	
101 Indene	116	19.740	19.740	0.000	90	554222	2.00	2.17	
102 Undecane	57	20.025	20.028	-0.003	96	552058	2.00	2.11	
105 1,2-Dibromo-3-Chloropropane	157	20.208	20.207	0.001	97	213457	2.00	2.25	
106 1,2,4,5-Tetramethylbenzene	119	20.488	20.489	-0.001	97	746166	2.00	2.26	
107 Dodecane	57	21.106	21.107	-0.001	97	559929	2.00	2.10	
108 1,2,4-Trichlorobenzene	180	21.343	21.343	0.000	94	332546	2.00	2.06	
109 Naphthalene	128	21.488	21.489	-0.001	99	803621	2.00	2.10	
110 Hexachlorobutadiene	225	21.676	21.676	0.000	96	287681	2.00	1.93	
111 1,2,3-Trichlorobenzene	180	21.741	21.740	0.001	95	251713	2.00	2.01	
113 2-Methylnaphthalene	142	22.290	22.289	0.001	99	108839	2.00	1.56	
112 1-Methylnaphthalene	142	22.413	22.413	0.000	99	169260	2.00	1.70	
A 115 C8 Range	1	14.820	(14.764-14.860)		0	1439392	2.00	2.07	
S 116 Xylenes, Total	100				0		6.00	6.57	
S 117 1,2-Dichloroethene, Total	1				0		4.00	4.18	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

40L7DQP_00022	Amount Added: 200.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

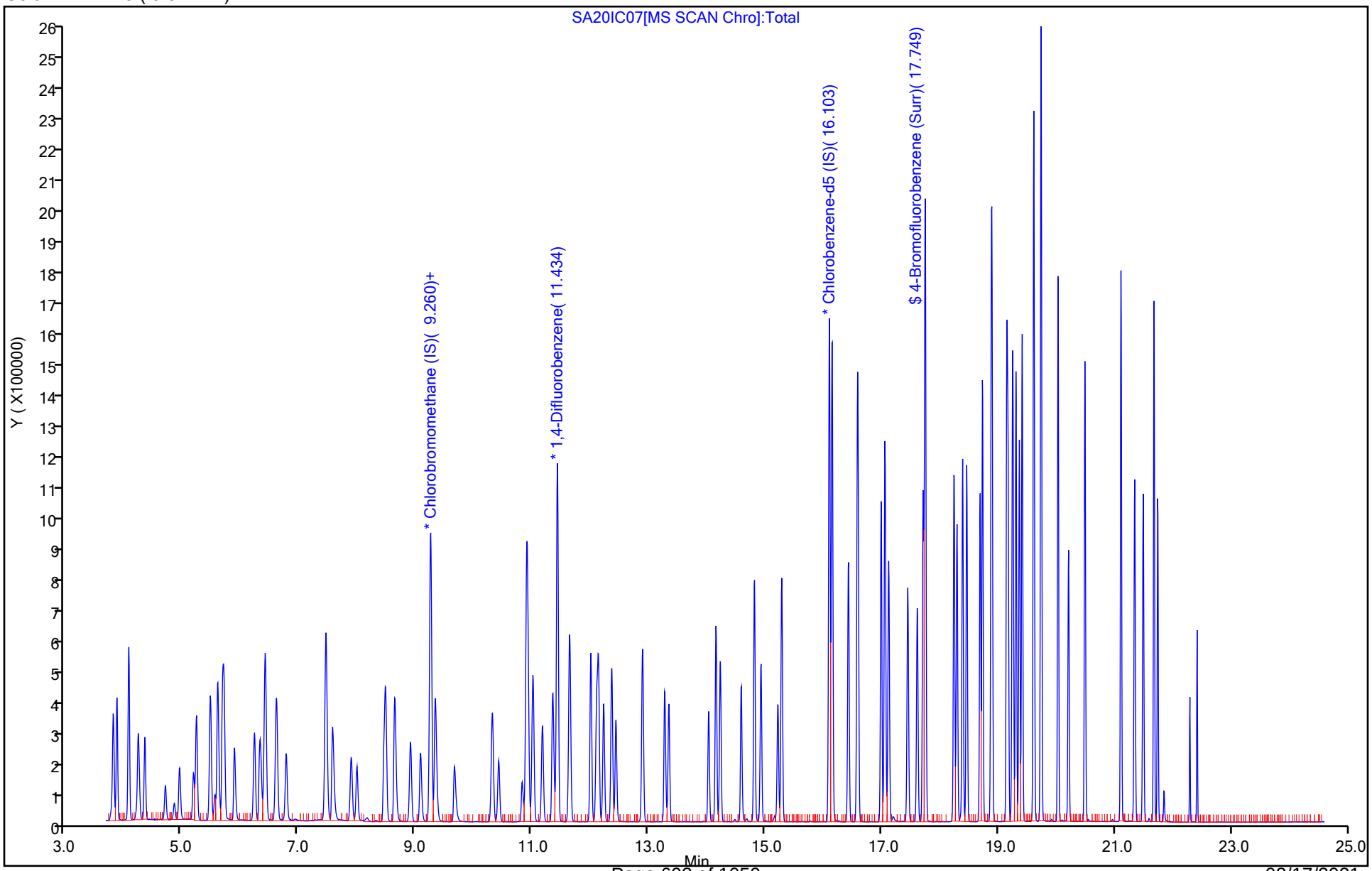
Report Date: 21-Jan-2021 11:24:16 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC07.D

Injection Date:	21-Jan-2021 01:41:30	Instrument ID:	MS	Operator ID:	afb
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)

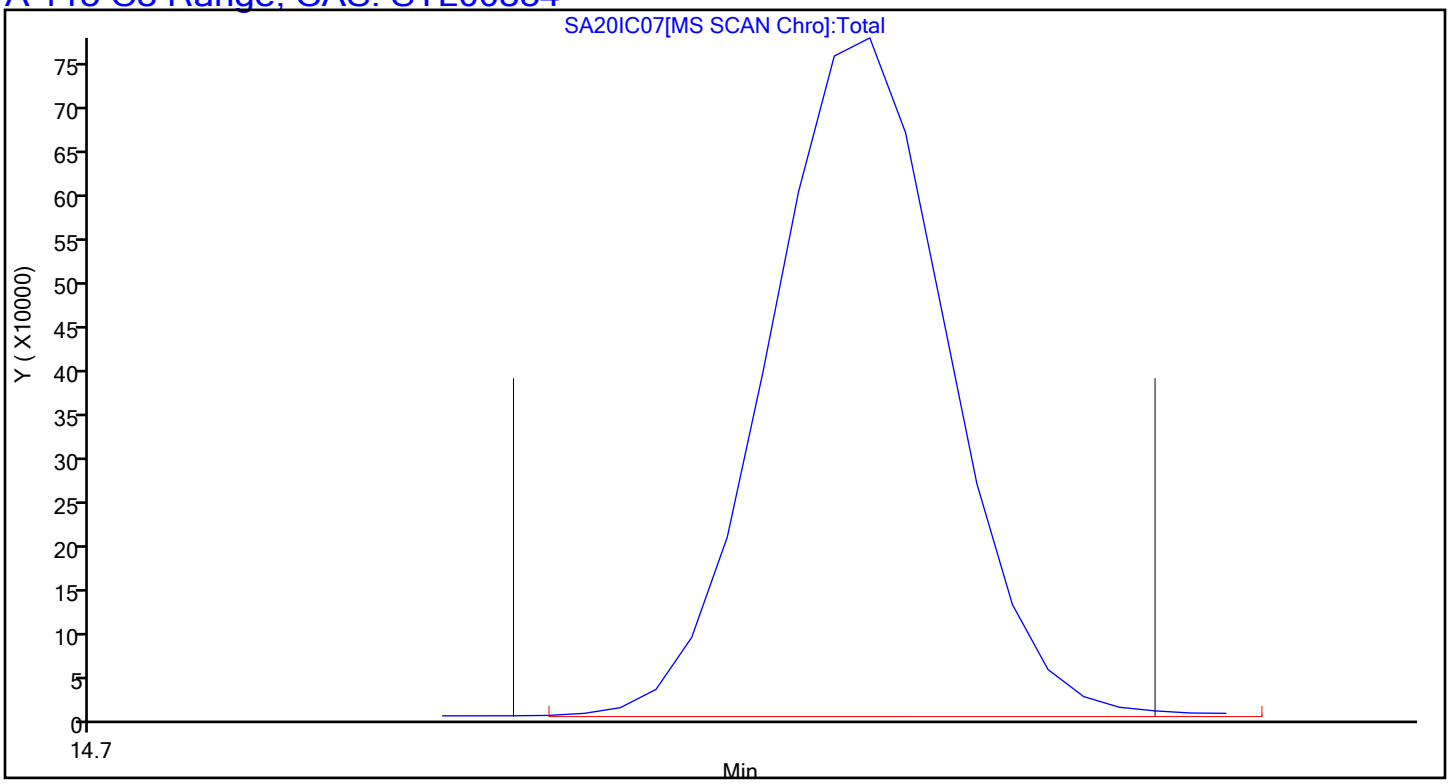


Report Date: 21-Jan-2021 11:24:16 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC07.D				
Injection Date:	21-Jan-2021 01:41:30	Instrument ID:	MS		
Lims ID:	ICIS L7				
Client ID:					
Operator ID:	afb	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



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

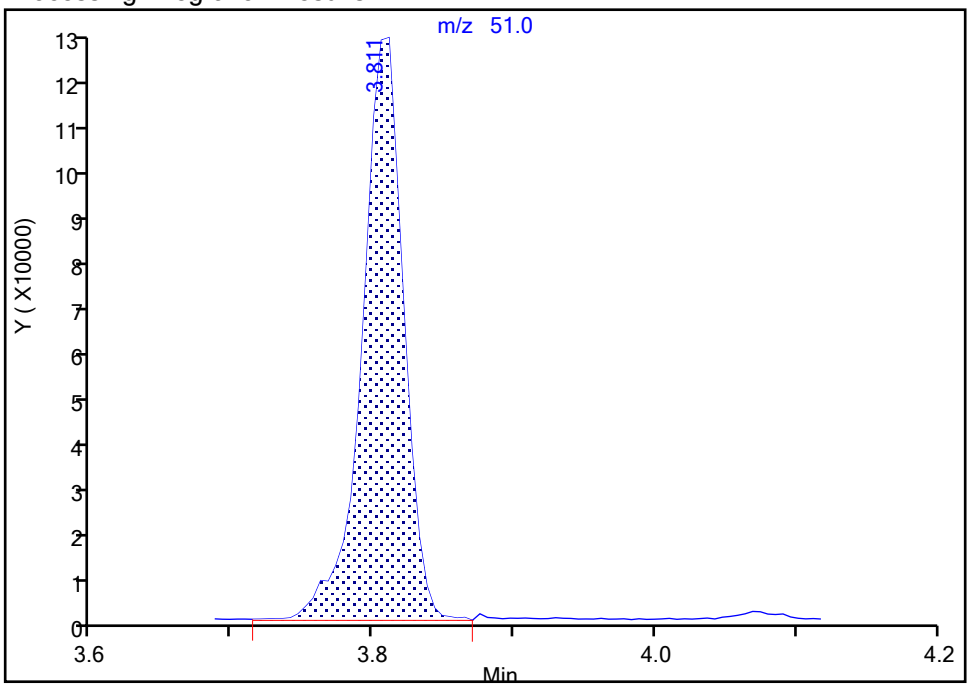
Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC07.D
Injection Date: 21-Jan-2021 01:41:30 Instrument ID: MS
Lims ID: ICIS L7
Client ID:
Operator ID: afb ALS Bottle#: 16 Worklist Smp#: 15
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Method: MS_TO15A Limit Group: MSA TO14A_15 Routine ICAL
Column: RTX-5 (0.32 mm) Detector MS SCAN

6 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

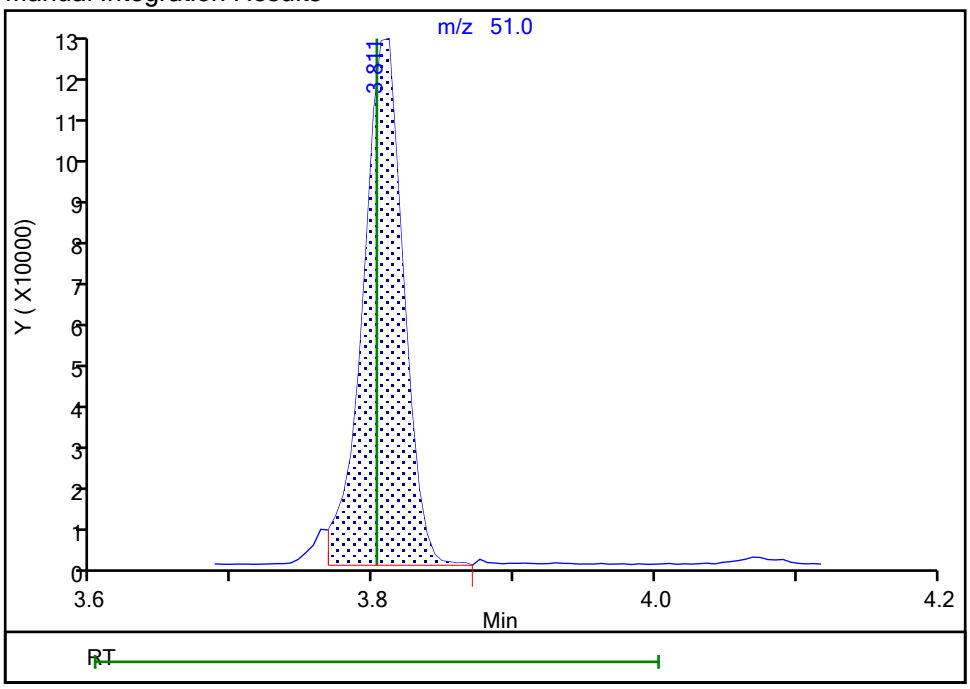
Processing Integration Results

RT: 3.81
Area: 262842
Amount: 2.054221
Amount Units: ppb v/v



Manual Integration Results

RT: 3.81
Area: 256341
Amount: 2.009084
Amount Units: ppb v/v



Reviewer: tajh, 21-Jan-2021 11:05:38
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 21-Jan-2021 08:11:30 ALS Bottle#: 8 Worklist Smp#: 21
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: blk
Operator ID: afb Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Jan-2021 11:24:26 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1678

First Level Reviewer: tajh Date: 21-Jan-2021 09:04:47

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	9.257	-0.002	96	245846	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.434	11.435	-0.001	94	1185013	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.103	16.104	-0.001	86	1038828	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.744	17.747	-0.003	91	780026	4.64	4.60	
6 Chlorodifluoromethane	51	3.806	3.802	0.004	96	509991	4.00	3.89	
7 Propene	41	3.816	3.818	-0.002	99	223859	4.00	3.94	
8 Dichlorodifluoromethane	85	3.870	3.874	-0.004	100	782010	4.00	4.03	
9 Chloromethane	52	4.069	4.058	0.011	98	50555	4.00	3.77	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.075	4.079	-0.004	97	378900	4.00	3.89	
11 Acetaldehyde	44	4.236	4.240	-0.004	99	305071	20.0	17.8	
12 Vinyl chloride	62	4.258	4.257	0.001	99	170001	4.00	3.83	
68 Butane	43	4.349	4.354	-0.005	83	229663	4.00	3.77	
13 Butadiene	54	4.354	4.352	0.002	72	130577	4.00	3.81	
14 Bromomethane	94	4.704	4.705	-0.001	98	172837	4.00	3.71	
15 Chloroethane	64	4.855	4.859	-0.004	98	76358	4.00	3.84	
16 Ethanol	31	4.946	4.954	-0.008	95	316844	20.0	19.0	
17 Vinyl bromide	106	5.188	5.189	-0.001	99	266959	4.00	4.08	
18 2-Methylbutane	43	5.237	5.238	-0.001	92	330282	4.00	3.94	
19 Trichlorofluoromethane	101	5.473	5.478	-0.005	99	767092	4.00	3.93	
20 Acrolein	56	5.484	5.491	-0.007	92	90217	4.00	4.05	
21 Acetonitrile	40	5.554	5.559	-0.005	100	121741	4.00	4.03	
22 Acetone	58	5.597	5.613	-0.016	97	413932	12.0	10.8	
23 Isopropyl alcohol	45	5.683	5.701	-0.018	98	1100815	12.0	12.3	
33 Pentane	72	5.710	5.711	-0.001	98	46058	4.00	4.05	
24 Ethyl ether	31	5.882	5.902	-0.020	96	294949	4.00	4.11	
39 1,1-Dichloroethene	96	6.232	6.234	-0.002	97	284937	4.00	4.10	
26 2-Methyl-2-propanol	59	6.318	6.349	-0.031	95	507489	4.00	4.35	
25 Acrylonitrile	53	6.339	6.348	-0.009	94	223708	4.00	4.05	
27 112TCTFE	101	6.415	6.419	-0.004	95	618302	4.00	3.95	
28 Methylene Chloride	84	6.603	6.605	-0.002	99	274292	4.00	3.71	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
29 3-Chloro-1-propene	39	6.619	6.623	-0.004	96	243656	4.00	4.12	
30 Carbon disulfide	76	6.775	6.780	-0.005	99	777630	4.00	4.14	
40 trans-1,2-Dichloroethene	96	7.453	7.454	-0.001	98	290399	4.00	4.13	
32 2-Methylpentane	43	7.464	7.469	-0.005	95	635932	4.00	4.18	
34 Methyl tert-butyl ether	73	7.566	7.601	-0.035	97	762886	4.00	4.26	
35 1,1-Dichloroethane	63	7.894	7.894	0.000	99	547471	4.00	3.99	
36 Vinyl acetate	43	7.991	7.998	-0.007	100	725816	4.00	4.23	
37 2-Butanone (MEK)	72	8.448	8.473	-0.025	98	136908	4.00	4.02	
104 Hexane	56	8.486	8.486	0.000	92	240266	4.00	4.04	
38 Isopropyl ether	45	8.636	8.660	-0.024	98	990932	4.00	4.27	
31 cis-1,2-Dichloroethene	96	8.911	8.913	-0.002	96	304282	4.00	4.22	
41 Ethyl acetate	43	9.078	9.096	-0.018	99	658230	4.00	4.16	
42 Chloroform	83	9.266	9.264	0.002	96	627611	4.00	3.90	
43 Tert-butyl ethyl ether	59	9.330	9.359	-0.029	95	934274	4.00	4.36	
44 Tetrahydrofuran	42	9.653	9.693	-0.040	94	321162	4.00	4.16	
45 1,1,1-Trichloroethane	97	10.315	10.318	-0.003	96	636977	4.00	4.15	
46 1,2-Dichloroethane	62	10.422	10.428	-0.006	98	422253	4.00	3.88	
47 n-Butanol	31	10.821	10.836	-0.015	83	97423	4.00	4.32	
48 Cyclohexane	69	10.907	10.905	0.002	72	129090	4.00	4.22	
49 Benzene	78	10.907	10.908	-0.001	98	867060	4.00	4.05	
50 Carbon tetrachloride	117	10.928	10.931	-0.003	97	628056	4.00	4.36	
51 2,3-Dimethylpentane	71	11.014	11.016	-0.002	91	190747	4.00	4.39	
52 Thiophene	84	11.176	11.178	-0.002	96	519271	4.00	4.29	
53 Isooctane	57	11.644	11.646	-0.002	99	1449100	4.00	4.20	
54 n-Heptane	71	12.009	12.011	-0.002	91	284931	4.00	4.37	
55 1,2-Dichloropropane	63	12.106	12.108	-0.002	91	339863	4.00	4.01	
56 Trichloroethene	130	12.139	12.139	0.000	96	389731	4.00	4.11	
57 Dibromomethane	93	12.230	12.228	0.002	96	367324	4.00	4.07	
58 Dichlorobromomethane	83	12.365	12.367	-0.002	99	649810	4.00	4.41	
59 1,4-Dioxane	88	12.365	12.383	-0.018	38	129361	4.00	4.35	
60 Methyl methacrylate	41	12.434	12.443	-0.009	95	390526	4.00	4.36	
61 Methylcyclohexane	83	12.897	12.898	-0.001	95	530199	4.00	4.14	
62 4-Methyl-2-pentanone (MIBK)	43	13.274	13.288	-0.014	97	694617	4.00	4.33	
63 cis-1,3-Dichloropropene	75	13.349	13.349	0.000	94	508420	4.00	4.53	
64 trans-1,3-Dichloropropene	75	14.032	14.031	0.001	98	461259	4.00	4.69	
65 Toluene	91	14.156	14.156	0.000	94	1071333	4.00	4.14	
66 1,1,2-Trichloroethane	83	14.231	14.232	-0.001	98	328644	4.00	4.09	
67 2-Hexanone	58	14.586	14.597	-0.011	94	371154	4.00	4.62	
69 n-Octane	85	14.818	14.817	0.001	93	326700	4.00	4.45	
70 Chlorodibromomethane	129	14.931	14.929	0.002	98	666073	4.00	4.71	
71 Ethylene Dibromide	107	15.216	15.218	-0.002	99	615210	4.00	4.32	
72 Tetrachloroethene	129	15.286	15.286	0.000	97	378500	4.00	4.04	
73 2,3-Dimethylheptane	43	16.146	16.148	-0.002	95	932986	4.00	4.01	
74 Chlorobenzene	112	16.152	16.151	0.001	96	828143	4.00	3.99	
80 Ethylbenzene	91	16.431	16.430	0.001	98	1419898	4.00	4.38	
75 m-Xylene & p-Xylene	91	16.587	16.589	-0.002	98	2178395	8.00	8.89	
77 n-Nonane	57	16.991	16.991	0.000	91	728529	4.00	4.43	
78 Bromoform	173	17.056	17.054	0.002	94	637118	4.00	5.11	
79 Styrene	104	17.061	17.060	0.001	98	851140	4.00	4.85	
76 o-Xylene	91	17.120	17.121	-0.001	99	1171975	4.00	4.23	
81 1,1,2,2-Tetrachloroethane	83	17.448	17.447	0.001	99	900186	4.00	4.22	
82 1,2,3-Trichloropropane	110	17.615	17.612	0.003	98	240340	4.00	4.18	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
83 Isopropylbenzene	105	17.712	17.713	-0.001	95	1593007	4.00	4.30	
84 N-Propylbenzene	120	18.244	18.243	0.001	99	443842	4.00	4.43	
85 2-Chlorotoluene	126	18.293	18.293	0.000	97	403655	4.00	4.25	
86 4-Ethyltoluene	105	18.390	18.391	-0.001	99	1656886	4.00	4.27	
87 1,3,5-Trimethylbenzene	120	18.460	18.461	-0.001	93	670681	4.00	4.39	
89 Alpha Methyl Styrene	118	18.691	18.692	-0.001	89	701428	4.00	4.20	
103 n-Decane	57	18.734	18.733	0.001	89	969801	4.00	4.11	
95 tert-Butylbenzene	119	18.885	18.884	0.001	92	1425017	4.00	4.22	
88 1,2,4-Trimethylbenzene	105	18.895	18.896	-0.001	96	1374290	4.00	4.26	
90 sec-Butylbenzene	105	19.148	19.148	0.000	99	2034153	4.00	4.32	
91 1,3-Dichlorobenzene	146	19.170	19.168	0.002	99	908424	4.00	4.08	
92 Benzyl chloride	91	19.240	19.242	-0.002	98	1169327	4.00	4.86	
93 1,4-Dichlorobenzene	146	19.256	19.255	0.001	94	904929	4.00	4.13	
94 4-Isopropyltoluene	119	19.304	19.306	-0.002	97	1686413	4.00	4.39	
96 1,2,3-Trimethylbenzene	105	19.363	19.363	0.000	98	1419407	4.00	4.31	
97 Butylcyclohexane	83	19.412	19.412	0.000	94	1116729	4.00	4.19	
98 2,3-Dihydroindene	117	19.611	19.611	0.000	94	1294246	4.00	4.36	
99 1,2-Dichlorobenzene	146	19.611	19.612	-0.001	98	880608	4.00	3.98	
100 n-Butylbenzene	91	19.735	19.734	0.001	98	1672699	4.00	4.19	
101 Indene	116	19.740	19.740	0.000	91	1173864	4.00	4.46	
102 Undecane	57	20.030	20.028	0.002	96	1129394	4.00	4.19	
105 1,2-Dibromo-3-Chloropropane	157	20.208	20.207	0.001	98	474549	4.00	4.85	
106 1,2,4,5-Tetramethylbenzene	119	20.488	20.489	-0.001	97	1612387	4.00	4.73	
107 Dodecane	57	21.106	21.107	-0.001	97	1180333	4.00	4.30	
108 1,2,4-Trichlorobenzene	180	21.343	21.343	0.000	94	733730	4.00	4.41	
109 Naphthalene	128	21.488	21.489	-0.001	99	1775285	4.00	4.51	
110 Hexachlorobutadiene	225	21.677	21.676	0.001	96	594677	4.00	3.87	
111 1,2,3-Trichlorobenzene	180	21.741	21.740	0.001	95	532251	4.00	4.12	
113 2-Methylnaphthalene	142	22.290	22.289	0.001	99	305345	4.00	4.25	
112 1-Methylnaphthalene	142	22.414	22.413	0.001	99	432941	4.00	4.22	
A 115 C8 Range	1	14.820	(14.764-14.861)		0	2928440	4.00	4.11	
S 116 Xylenes, Total	100				0		12.0	13.1	
S 117 1,2-Dichloroethene, Total	1				0		8.00	8.35	

QC Flag Legend

Processing Flags

Reagents:

40L9DQP_00022	Amount Added: 100.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

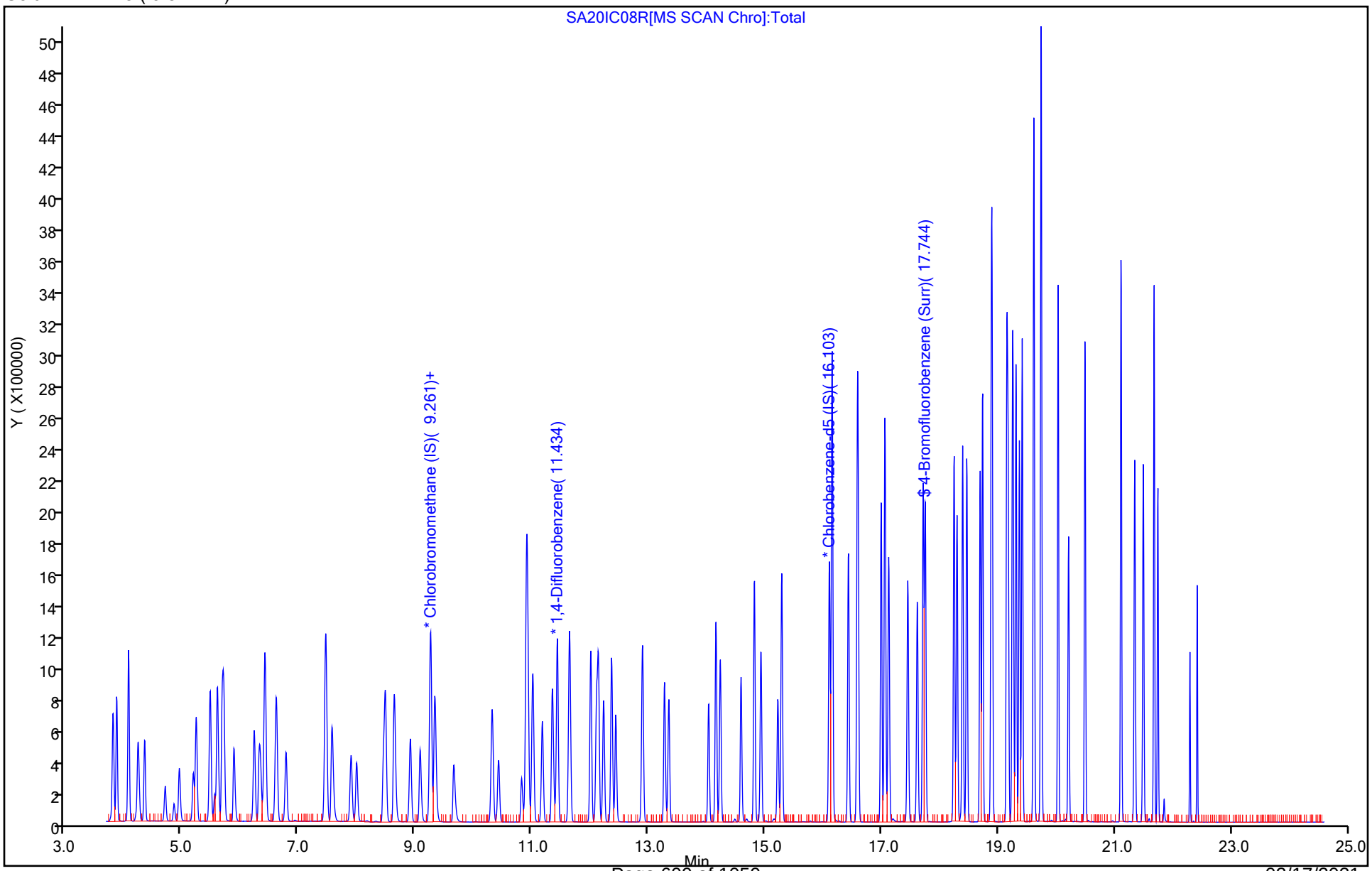
Report Date: 21-Jan-2021 11:24:27 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Injection Date:	21-Jan-2021 08:11:30	Instrument ID:	MS	Operator ID:	afb
Lims ID:	IC L8			Worklist Smp#:	21
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)

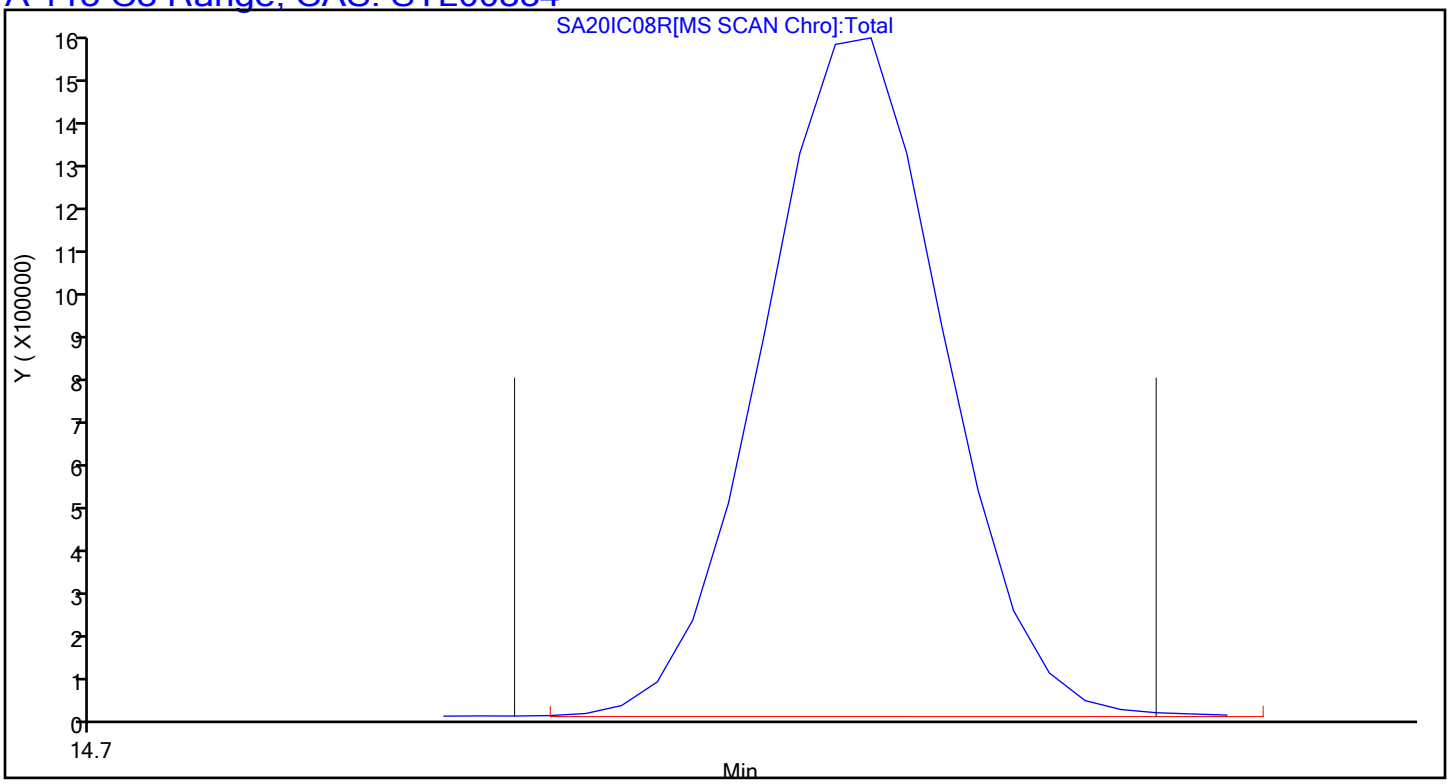


Report Date: 21-Jan-2021 11:24:28 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D				
Injection Date:	21-Jan-2021 08:11:30	Instrument ID:	MS		
Lims ID:	IC L8				
Client ID:					
Operator ID:	afb	ALS Bottle#:	8	Worklist Smp#:	21
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



Calibration / Chlorodifluoromethane

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

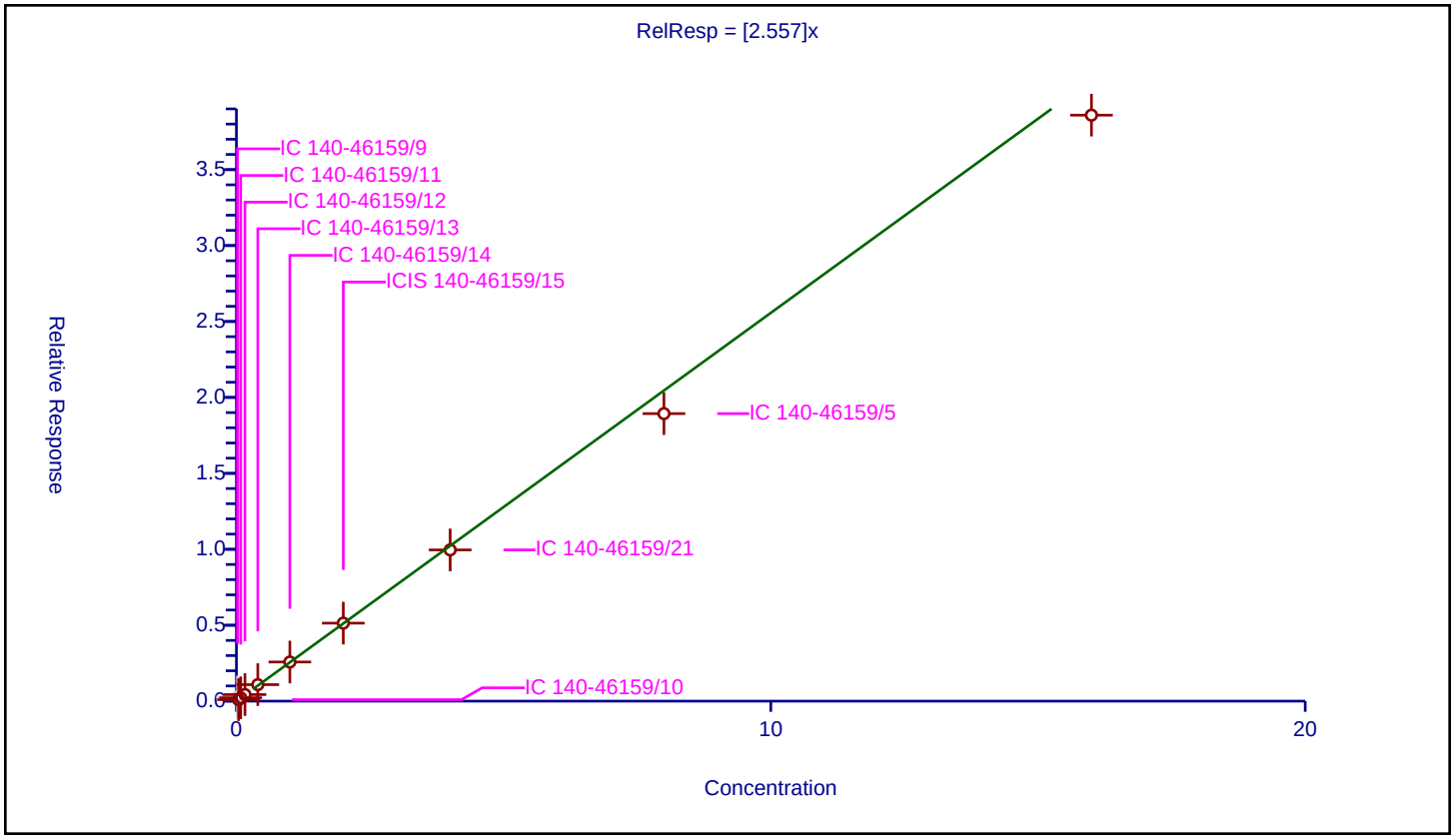
Curve Coefficients

Intercept:	0
Slope:	2.557

Error Coefficients

Standard Error:	690000
Relative Standard Error:	5.6
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.274533	4.8	221438.0	13.726641	N
2	IC 140-46159/10	0.04	0.097093	4.8	223160.0	2.427317	Y
3	IC 140-46159/11	0.08	0.220243	4.8	223041.0	2.753036	Y
4	IC 140-46159/12	0.16	0.4324	4.8	226668.0	2.702499	Y
5	IC 140-46159/13	0.4	1.086052	4.8	230778.0	2.715129	Y
6	IC 140-46159/14	1.0	2.576429	4.8	234751.0	2.576429	Y
7	ICIS 140-46159/15	2.0	5.136708	4.8	239538.0	2.568354	Y
8	IC 140-46159/21	4.0	9.957277	4.8	245846.0	2.489319	Y
9	IC 140-46159/5	8.0	18.934339	4.8	236693.0	2.366792	Y
10	IC 140-46159/3	16.0	38.588676	4.8	200216.0	2.411792	Y



Calibration / Propene

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

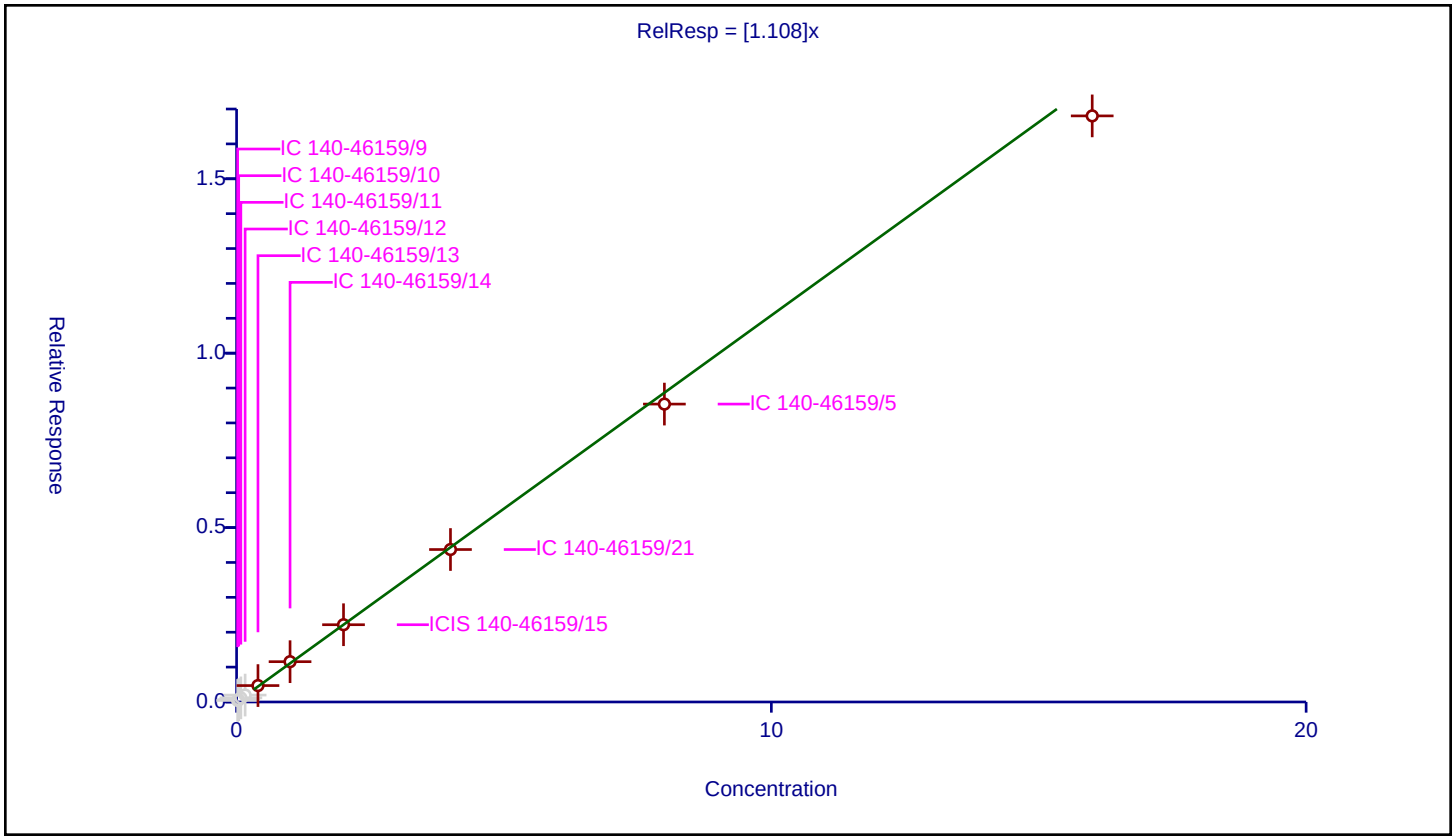
Curve Coefficients

Intercept:	0
Slope:	1.108

Error Coefficients

Standard Error:	383000
Relative Standard Error:	4.4
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.043721	4.8	221438.0	2.186075	N
2	IC 140-46159/10	0.04	0.066464	4.8	223160.0	1.661588	N
3	IC 140-46159/11	0.08	0.117804	4.8	223041.0	1.472554	N
4	IC 140-46159/12	0.16	0.19838	4.8	226668.0	1.239875	N
5	IC 140-46159/13	0.4	0.47052	4.8	230778.0	1.176299	Y
6	IC 140-46159/14	1.0	1.155287	4.8	234751.0	1.155287	Y
7	ICIS 140-46159/15	2.0	2.215124	4.8	239538.0	1.107562	Y
8	IC 140-46159/21	4.0	4.370717	4.8	245846.0	1.092679	Y
9	IC 140-46159/5	8.0	8.540724	4.8	236693.0	1.067591	Y
10	IC 140-46159/3	16.0	16.802373	4.8	200216.0	1.050148	Y



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

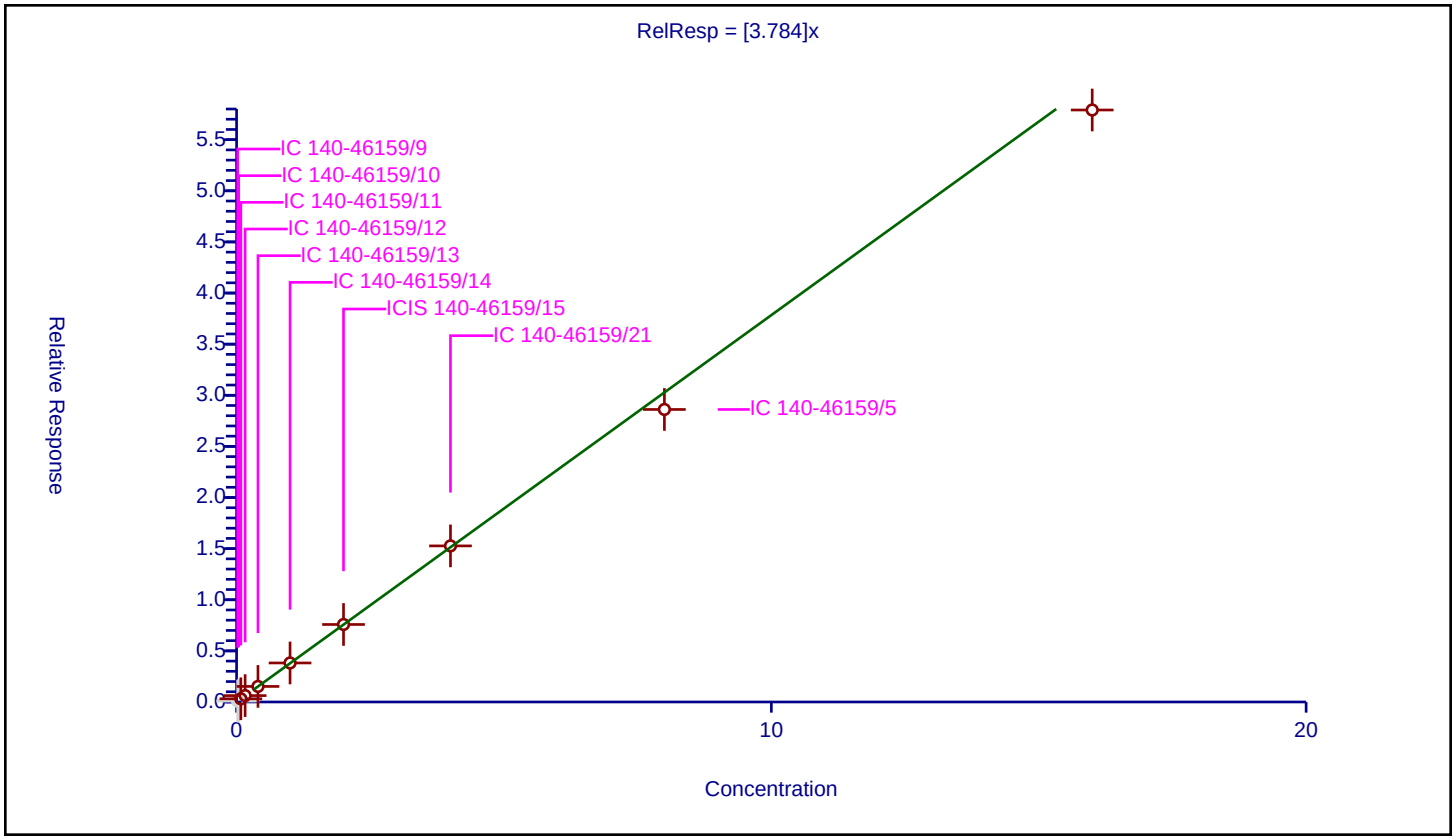
Curve Coefficients

Intercept:	0
Slope:	3.784

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	3.3
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.087291	4.8	221438.0	4.364563	N
2	IC 140-46159/10	0.04	0.171278	4.8	223160.0	4.28195	N
3	IC 140-46159/11	0.08	0.315235	4.8	223041.0	3.940441	Y
4	IC 140-46159/12	0.16	0.624999	4.8	226668.0	3.906242	Y
5	IC 140-46159/13	0.4	1.522232	4.8	230778.0	3.805579	Y
6	IC 140-46159/14	1.0	3.818044	4.8	234751.0	3.818044	Y
7	ICIS 140-46159/15	2.0	7.580192	4.8	239538.0	3.790096	Y
8	IC 140-46159/21	4.0	15.26829	4.8	245846.0	3.817072	Y
9	IC 140-46159/5	8.0	28.612111	4.8	236693.0	3.576514	Y
10	IC 140-46159/3	16.0	57.902961	4.8	200216.0	3.618935	Y



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

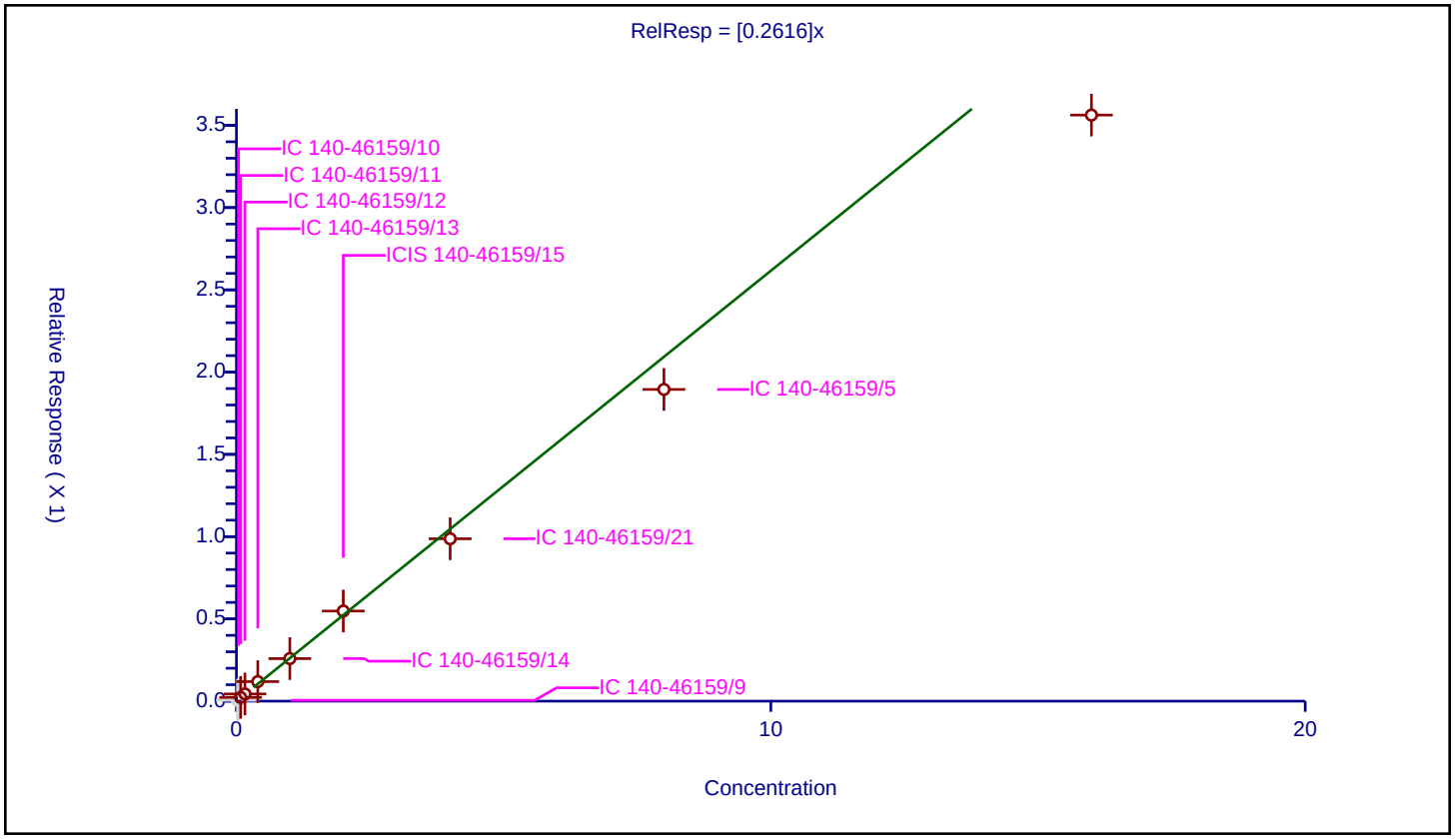
Curve Coefficients

Intercept:	0
Slope:	0.2616

Error Coefficients

Standard Error:	70000
Relative Standard Error:	9.6
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.005159	4.8	221438.0	0.25795	N
2	IC 140-46159/10	0.04	0.013078	4.8	223160.0	0.32694	N
3	IC 140-46159/11	0.08	0.022747	4.8	223041.0	0.284342	Y
4	IC 140-46159/12	0.16	0.043644	4.8	226668.0	0.272778	Y
5	IC 140-46159/13	0.4	0.118743	4.8	230778.0	0.296857	Y
6	IC 140-46159/14	1.0	0.258575	4.8	234751.0	0.258575	Y
7	ICIS 140-46159/15	2.0	0.547734	4.8	239538.0	0.273867	Y
8	IC 140-46159/21	4.0	0.987057	4.8	245846.0	0.246764	Y
9	IC 140-46159/5	8.0	1.894748	4.8	236693.0	0.236844	Y
10	IC 140-46159/3	16.0	3.562361	4.8	200216.0	0.222648	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

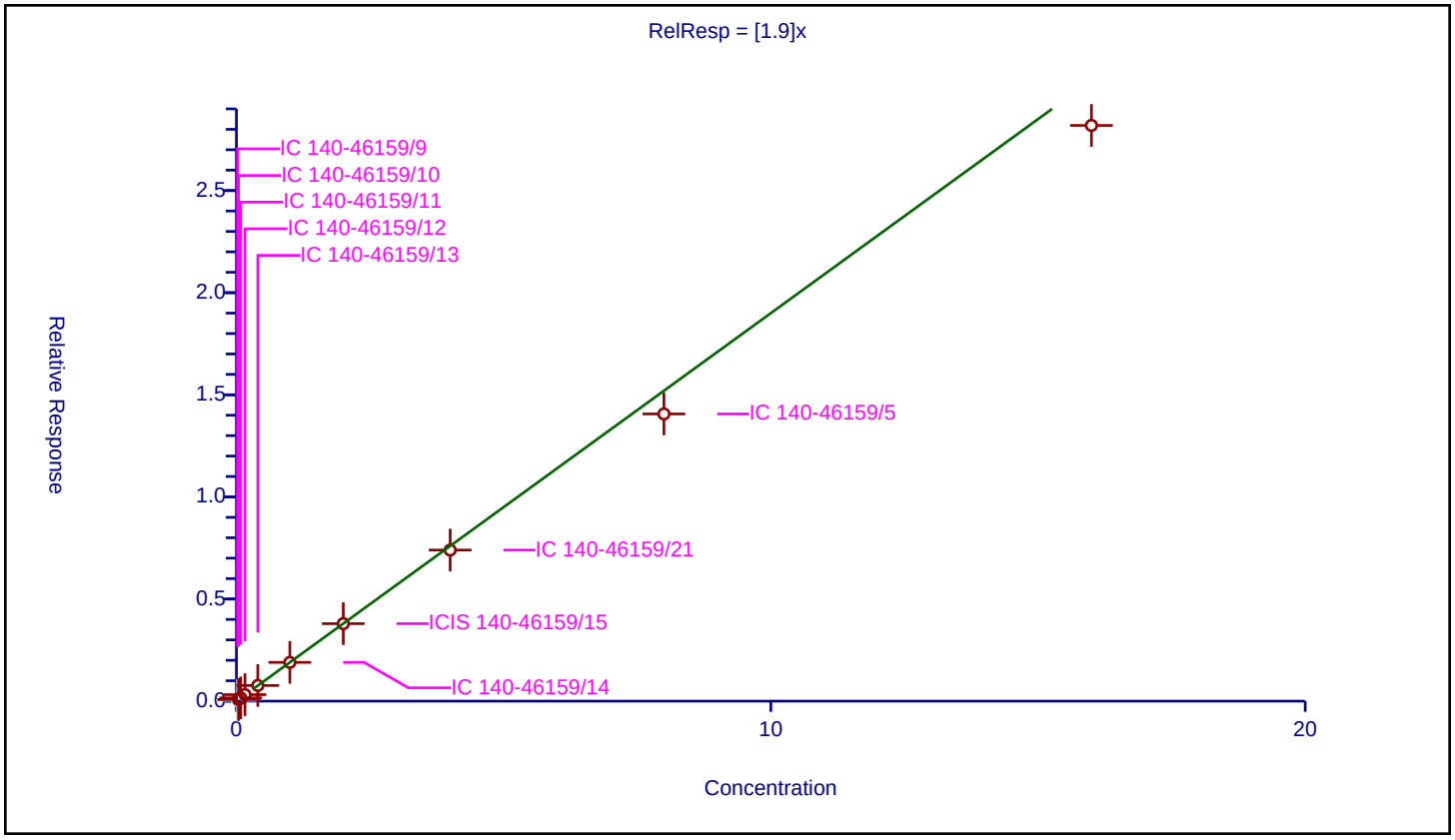
Curve Coefficients

Intercept:	0
Slope:	1.9

Error Coefficients

Standard Error:	507000
Relative Standard Error:	5.2
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.043635	4.8	221438.0	2.181739	N
2	IC 140-46159/10	0.04	0.080681	4.8	223160.0	2.017028	Y
3	IC 140-46159/11	0.08	0.161341	4.8	223041.0	2.016759	Y
4	IC 140-46159/12	0.16	0.317836	4.8	226668.0	1.986474	Y
5	IC 140-46159/13	0.4	0.76564	4.8	230778.0	1.914099	Y
6	IC 140-46159/14	1.0	1.897561	4.8	234751.0	1.897561	Y
7	ICIS 140-46159/15	2.0	3.794204	4.8	239538.0	1.897102	Y
8	IC 140-46159/21	4.0	7.397802	4.8	245846.0	1.84945	Y
9	IC 140-46159/5	8.0	14.063159	4.8	236693.0	1.757895	Y
10	IC 140-46159/3	16.0	28.189595	4.8	200216.0	1.76185	Y



Calibration / Vinyl chloride

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

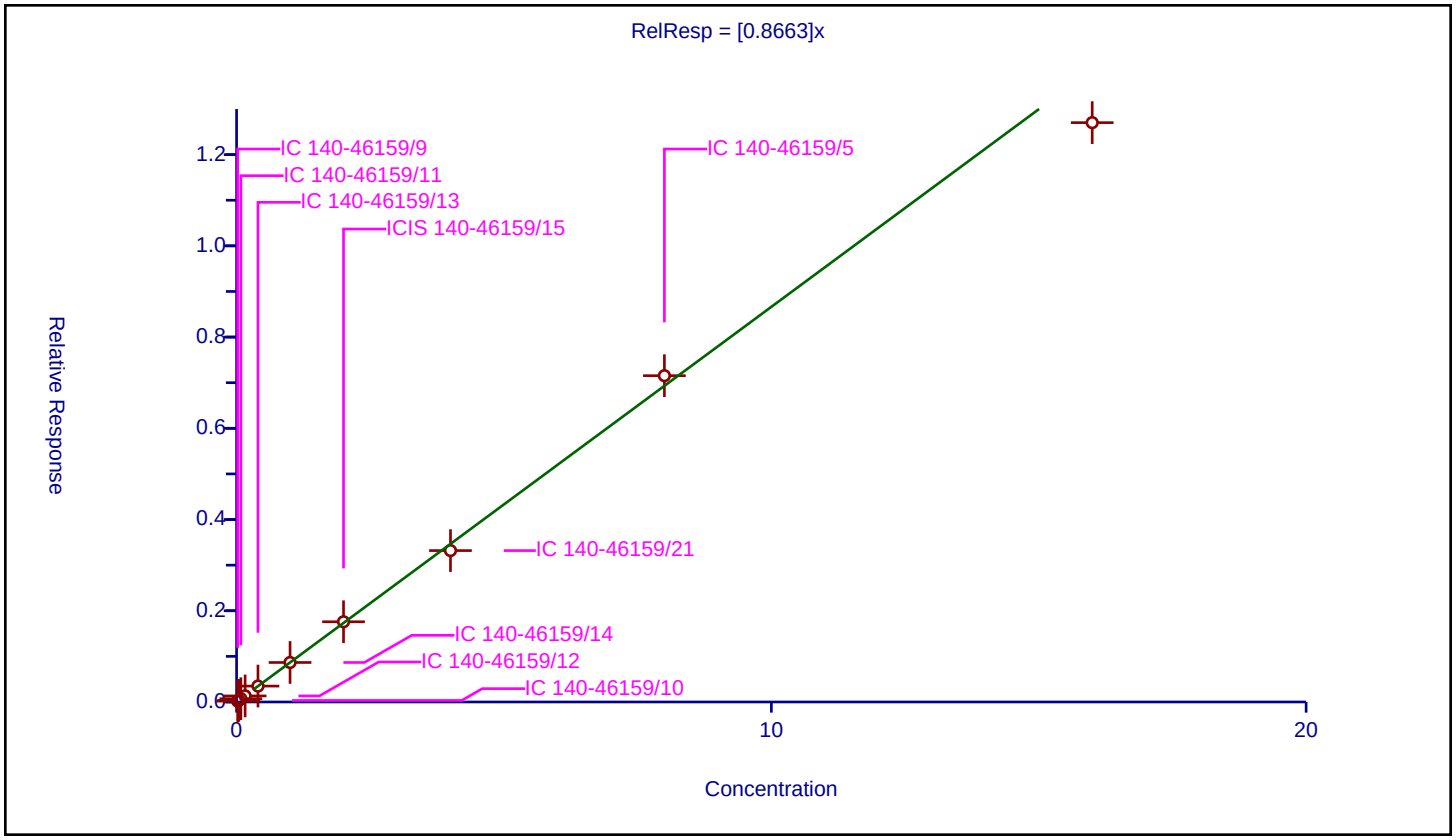
Curve Coefficients

Intercept:	0
Slope:	0.8663

Error Coefficients

Standard Error:	222000
Relative Standard Error:	5.0
Correlation Coefficient:	0.978
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.018989	4.8	221438.0	0.949431	Y
2	IC 140-46159/10	0.04	0.034114	4.8	223160.0	0.852841	Y
3	IC 140-46159/11	0.08	0.071556	4.8	223041.0	0.894454	Y
4	IC 140-46159/12	0.16	0.133072	4.8	226668.0	0.831701	Y
5	IC 140-46159/13	0.4	0.348491	4.8	230778.0	0.871227	Y
6	IC 140-46159/14	1.0	0.865857	4.8	234751.0	0.865857	Y
7	ICIS 140-46159/15	2.0	1.758826	4.8	239538.0	0.879413	Y
8	IC 140-46159/21	4.0	3.319171	4.8	245846.0	0.829793	Y
9	IC 140-46159/5	8.0	7.153611	4.8	236693.0	0.894201	Y
10	IC 140-46159/3	16.0	12.701147	4.8	200216.0	0.793822	Y



Calibration / Butadiene

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

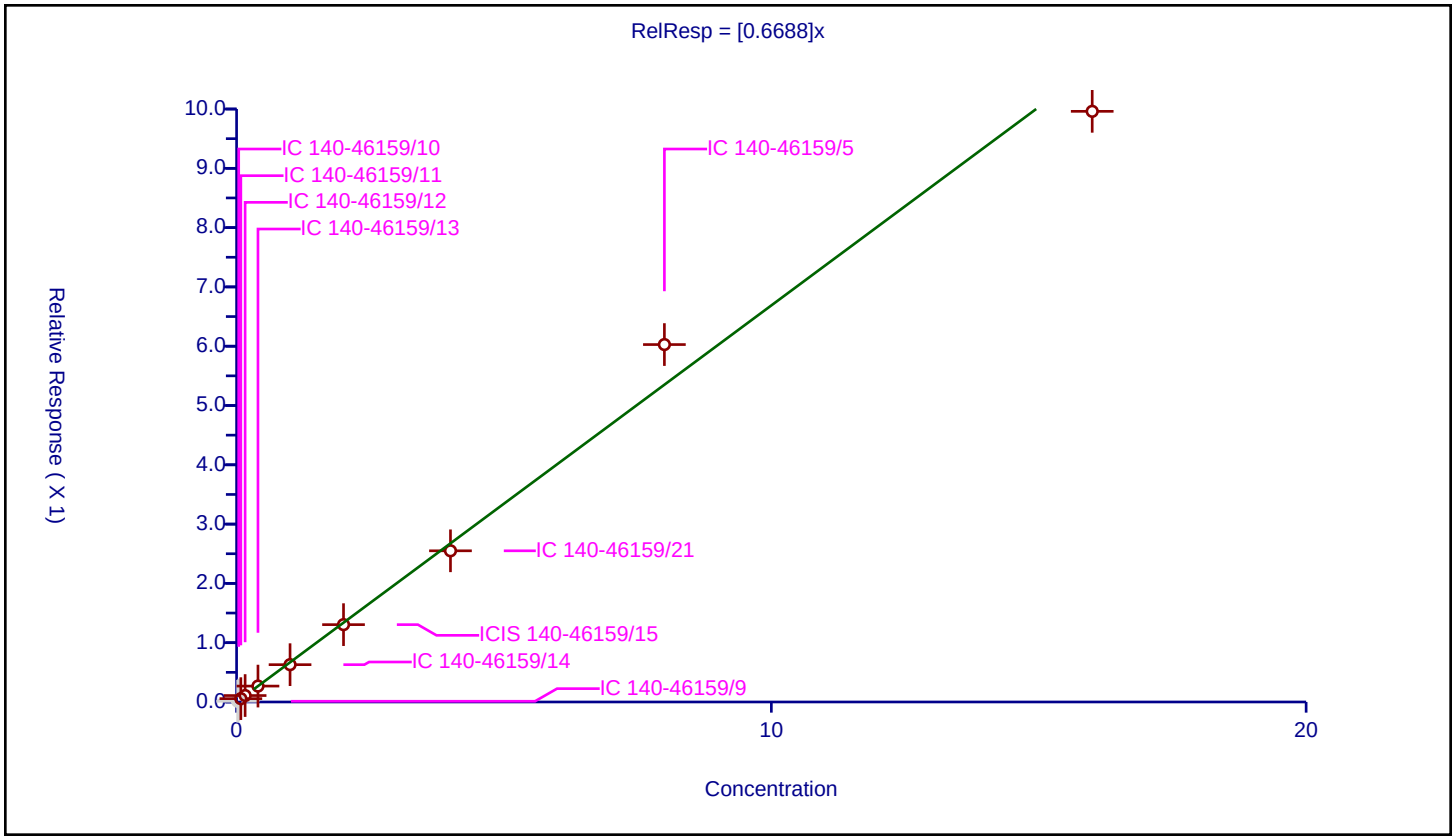
Curve Coefficients

Intercept:	0
Slope:	0.6688

Error Coefficients

Standard Error:	201000
Relative Standard Error:	6.6
Correlation Coefficient:	0.964
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.012334	4.8	221438.0	0.616696	N
2	IC 140-46159/10	0.04	0.031619	4.8	223160.0	0.790464	N
3	IC 140-46159/11	0.08	0.056556	4.8	223041.0	0.706955	Y
4	IC 140-46159/12	0.16	0.108381	4.8	226668.0	0.677378	Y
5	IC 140-46159/13	0.4	0.268414	4.8	230778.0	0.671035	Y
6	IC 140-46159/14	1.0	0.629406	4.8	234751.0	0.629406	Y
7	ICIS 140-46159/15	2.0	1.304231	4.8	239538.0	0.652115	Y
8	IC 140-46159/21	4.0	2.54944	4.8	245846.0	0.63736	Y
9	IC 140-46159/5	8.0	6.027899	4.8	236693.0	0.753487	Y
10	IC 140-46159/3	16.0	9.960858	4.8	200216.0	0.622554	Y



Calibration / Butane

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

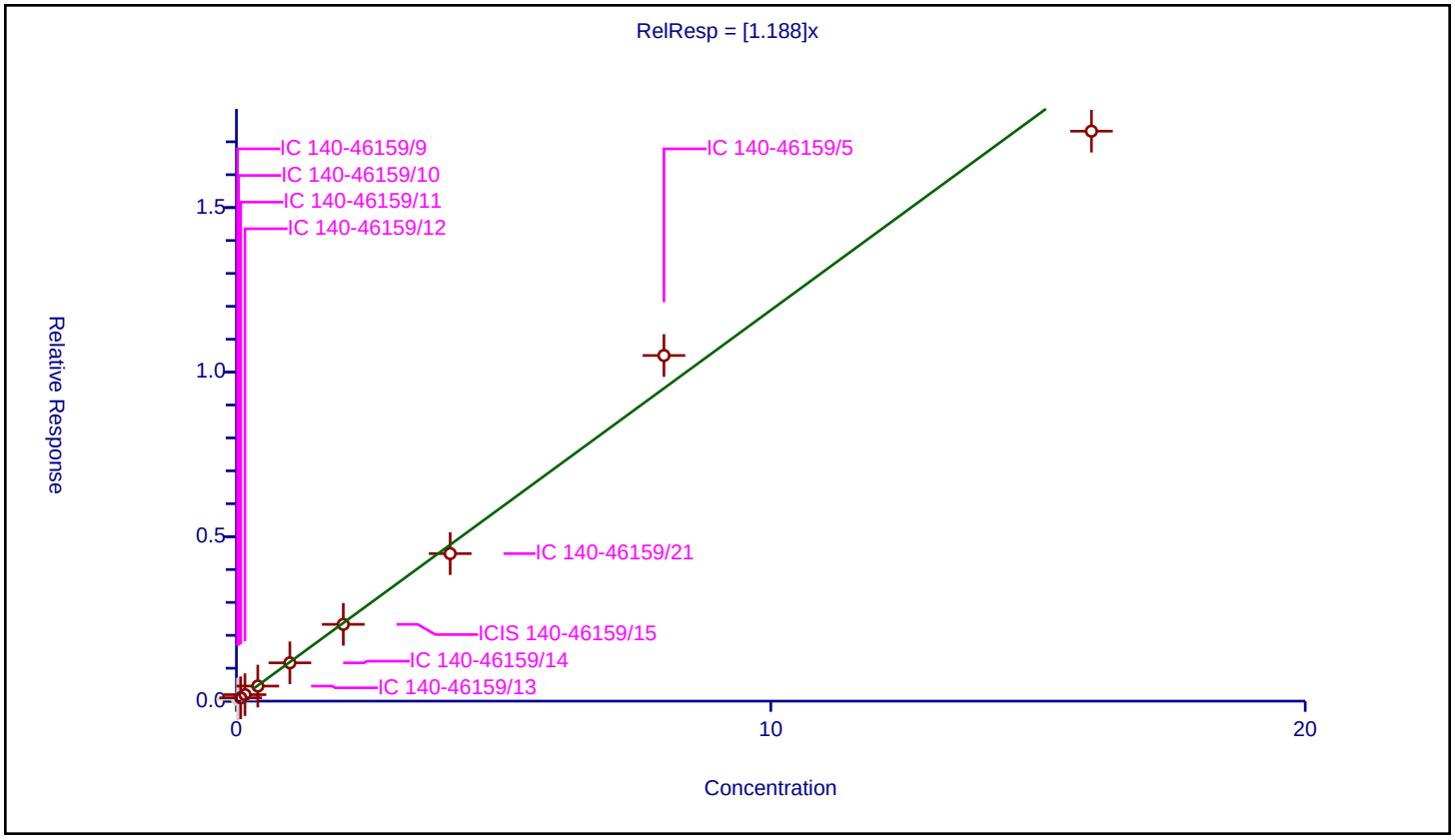
Curve Coefficients

Intercept:	0
Slope:	1.188

Error Coefficients

Standard Error:	351000
Relative Standard Error:	6.7
Correlation Coefficient:	0.963
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.056142	4.8	221438.0	2.807106	N
2	IC 140-46159/10	0.04	0.072529	4.8	223160.0	1.813228	N
3	IC 140-46159/11	0.08	0.102546	4.8	223041.0	1.281827	Y
4	IC 140-46159/12	0.16	0.197236	4.8	226668.0	1.232728	Y
5	IC 140-46159/13	0.4	0.457624	4.8	230778.0	1.144061	Y
6	IC 140-46159/14	1.0	1.163548	4.8	234751.0	1.163548	Y
7	ICIS 140-46159/15	2.0	2.333993	4.8	239538.0	1.166996	Y
8	IC 140-46159/21	4.0	4.484036	4.8	245846.0	1.121009	Y
9	IC 140-46159/5	8.0	10.504787	4.8	236693.0	1.313098	Y
10	IC 140-46159/3	16.0	17.323211	4.8	200216.0	1.082701	Y



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

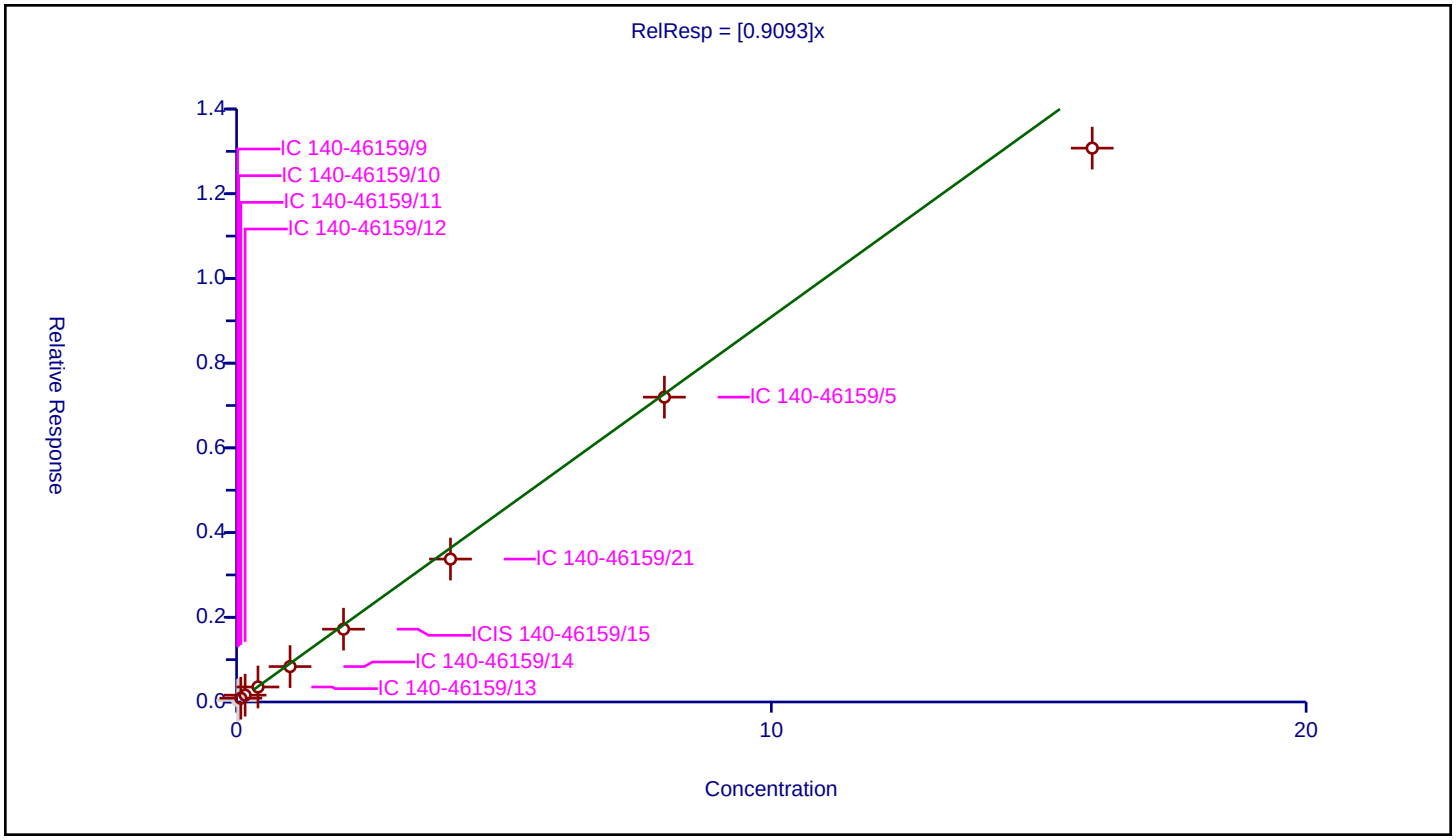
Curve Coefficients

Intercept:	0
Slope:	0.9093

Error Coefficients

Standard Error:	257000
Relative Standard Error:	11.6
Correlation Coefficient:	0.980
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.036503	4.8	221438.0	1.825161	N
2	IC 140-46159/10	0.04	0.054978	4.8	223160.0	1.37444	N
3	IC 140-46159/11	0.08	0.09	4.8	223041.0	1.124995	Y
4	IC 140-46159/12	0.16	0.161237	4.8	226668.0	1.007729	Y
5	IC 140-46159/13	0.4	0.353899	4.8	230778.0	0.884746	Y
6	IC 140-46159/14	1.0	0.836679	4.8	234751.0	0.836679	Y
7	ICIS 140-46159/15	2.0	1.719049	4.8	239538.0	0.859525	Y
8	IC 140-46159/21	4.0	3.374542	4.8	245846.0	0.843635	Y
9	IC 140-46159/5	8.0	7.197354	4.8	236693.0	0.899669	Y
10	IC 140-46159/3	16.0	13.076509	4.8	200216.0	0.817282	Y



Calibration / Chloroethane

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

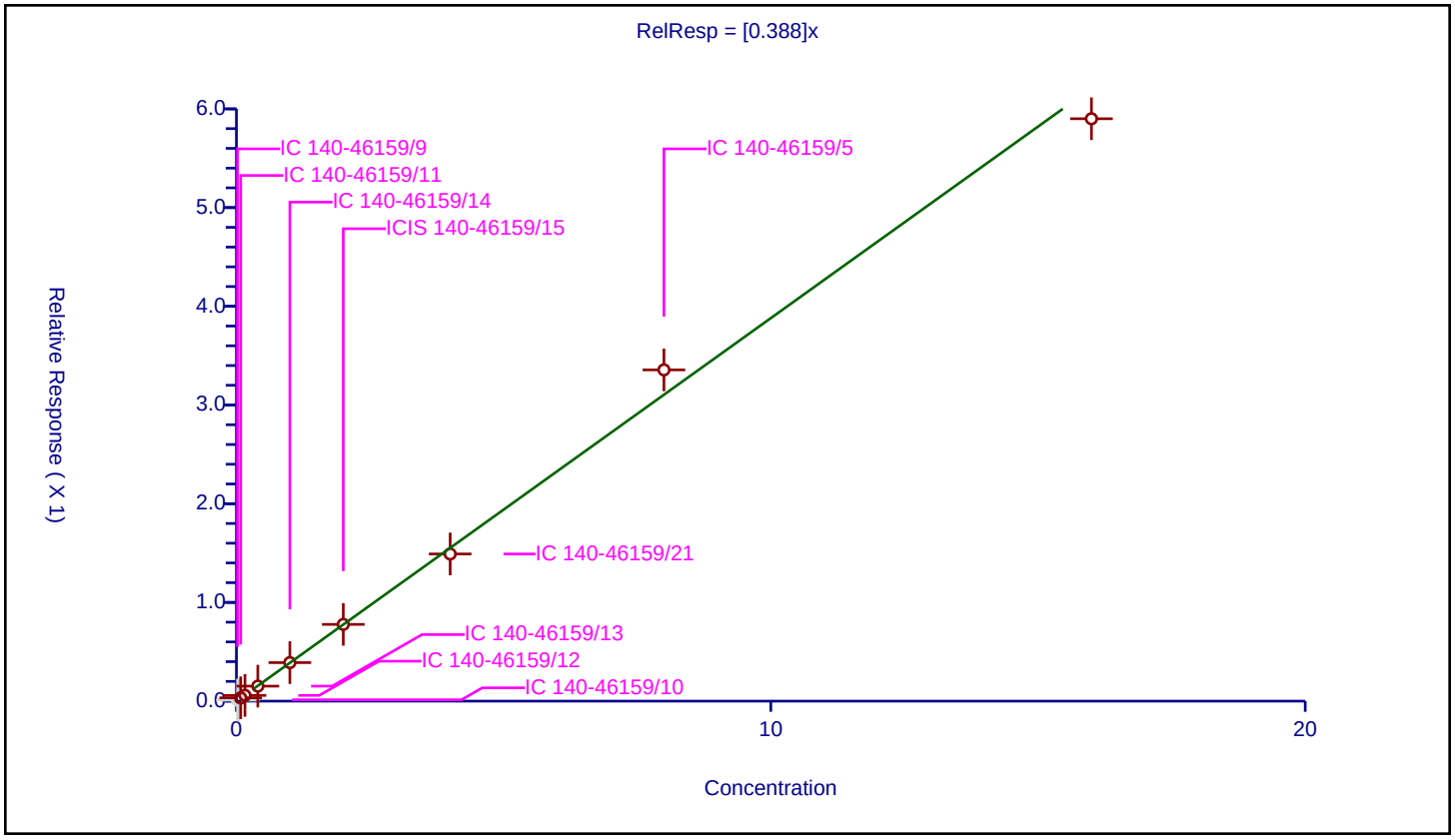
Curve Coefficients

Intercept:	0
Slope:	0.388

Error Coefficients

Standard Error:	117000
Relative Standard Error:	5.6
Correlation Coefficient:	0.976
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.010101	4.8	221438.0	0.505062	N
2	IC 140-46159/10	0.04	0.013895	4.8	223160.0	0.347374	N
3	IC 140-46159/11	0.08	0.033594	4.8	223041.0	0.419923	Y
4	IC 140-46159/12	0.16	0.058235	4.8	226668.0	0.363968	Y
5	IC 140-46159/13	0.4	0.152125	4.8	230778.0	0.380314	Y
6	IC 140-46159/14	1.0	0.390296	4.8	234751.0	0.390296	Y
7	ICIS 140-46159/15	2.0	0.777477	4.8	239538.0	0.388738	Y
8	IC 140-46159/21	4.0	1.490845	4.8	245846.0	0.372711	Y
9	IC 140-46159/5	8.0	3.355881	4.8	236693.0	0.419485	Y
10	IC 140-46159/3	16.0	5.900076	4.8	200216.0	0.368755	Y



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

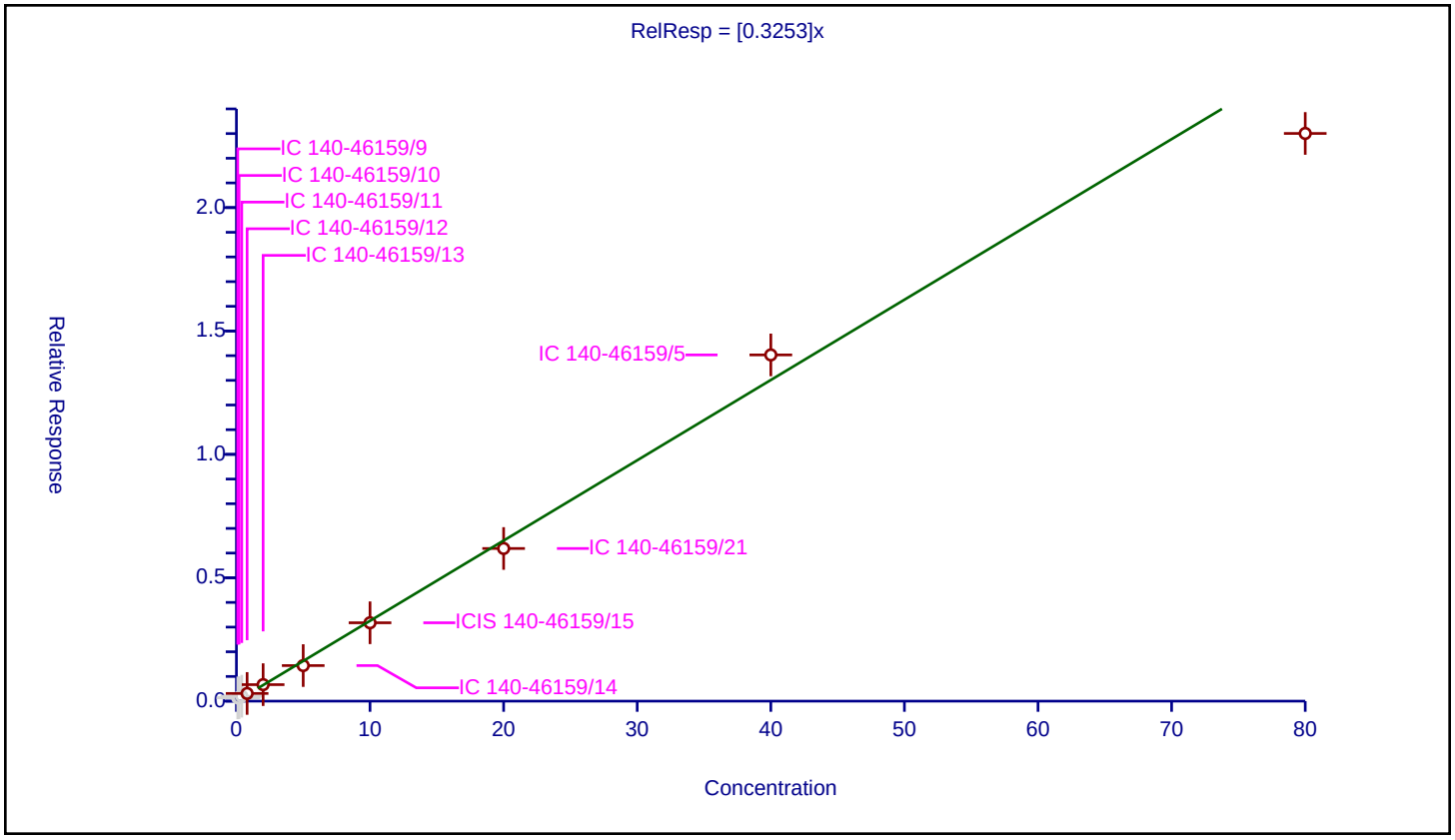
Curve Coefficients

Intercept:	0
Slope:	0.3253

Error Coefficients

Standard Error:	505000
Relative Standard Error:	11.2
Correlation Coefficient:	0.959
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.1	0.132682	4.8	221438.0	1.326818	N
2	IC 140-46159/10	0.2	0.138864	4.8	223160.0	0.694318	N
3	IC 140-46159/11	0.4	0.198894	4.8	223041.0	0.497236	N
4	IC 140-46159/12	0.8	0.311525	4.8	226668.0	0.389407	Y
5	IC 140-46159/13	2.0	0.669048	4.8	230778.0	0.334524	Y
6	IC 140-46159/14	5.0	1.441118	4.8	234751.0	0.288224	Y
7	ICIS 140-46159/15	10.0	3.176114	4.8	239538.0	0.317611	Y
8	IC 140-46159/21	20.0	6.186195	4.8	245846.0	0.30931	Y
9	IC 140-46159/5	40.0	14.030793	4.8	236693.0	0.35077	Y
10	IC 140-46159/3	80.0	23.005122	4.8	200216.0	0.287564	Y



Calibration / Vinyl bromide

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

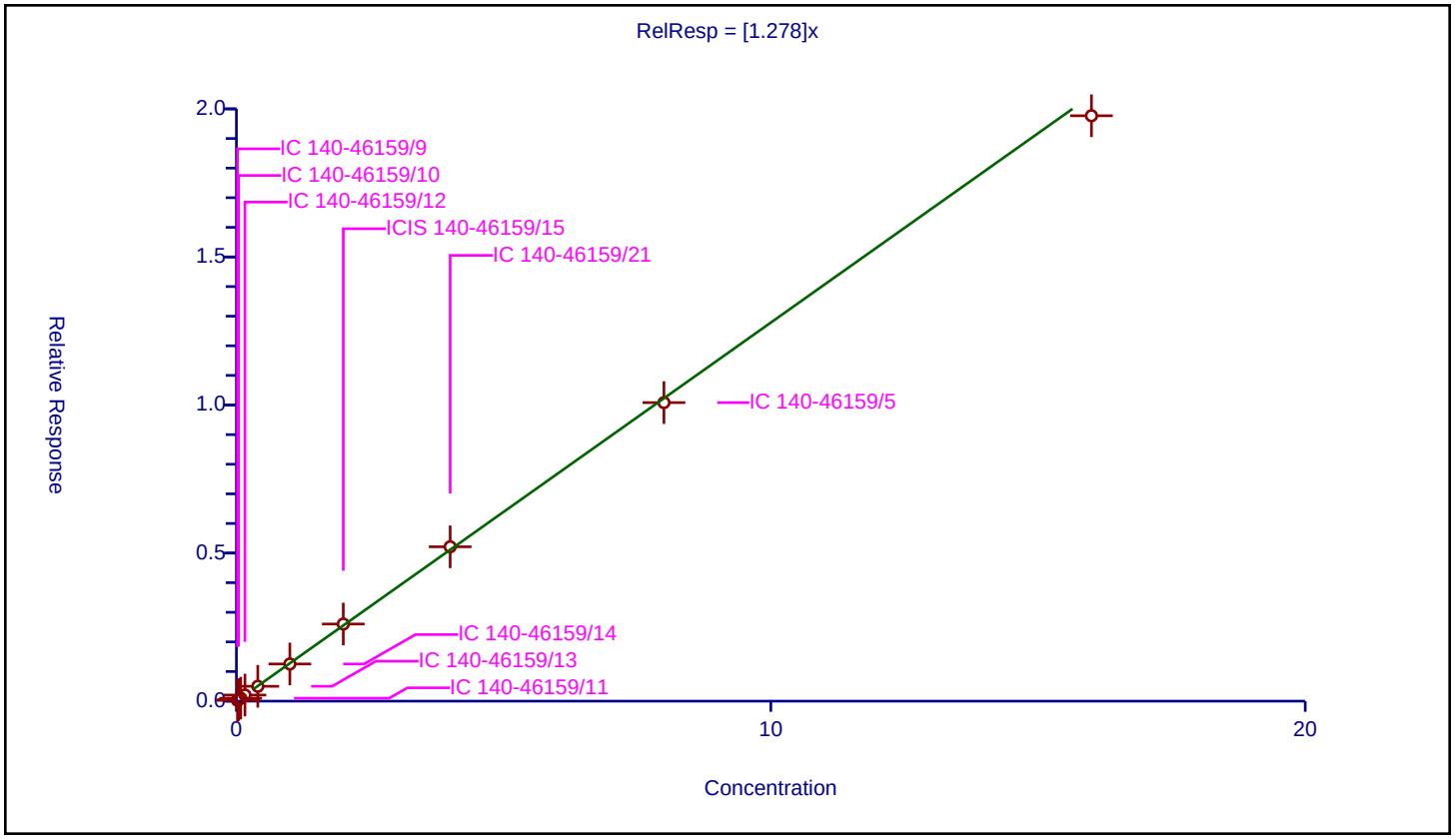
Curve Coefficients

Intercept:	0
Slope:	1.278

Error Coefficients

Standard Error:	337000
Relative Standard Error:	2.4
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.026727	4.8	221438.0	1.336356	Y
2	IC 140-46159/10	0.04	0.051708	4.8	223160.0	1.292705	Y
3	IC 140-46159/11	0.08	0.100416	4.8	223041.0	1.255195	Y
4	IC 140-46159/12	0.16	0.206363	4.8	226668.0	1.289772	Y
5	IC 140-46159/13	0.4	0.501178	4.8	230778.0	1.252944	Y
6	IC 140-46159/14	1.0	1.255397	4.8	234751.0	1.255397	Y
7	ICIS 140-46159/15	2.0	2.604013	4.8	239538.0	1.302006	Y
8	IC 140-46159/21	4.0	5.212219	4.8	245846.0	1.303055	Y
9	IC 140-46159/5	8.0	10.080866	4.8	236693.0	1.260108	Y
10	IC 140-46159/3	16.0	19.768186	4.8	200216.0	1.235512	Y



Calibration / 2-Methylbutane

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

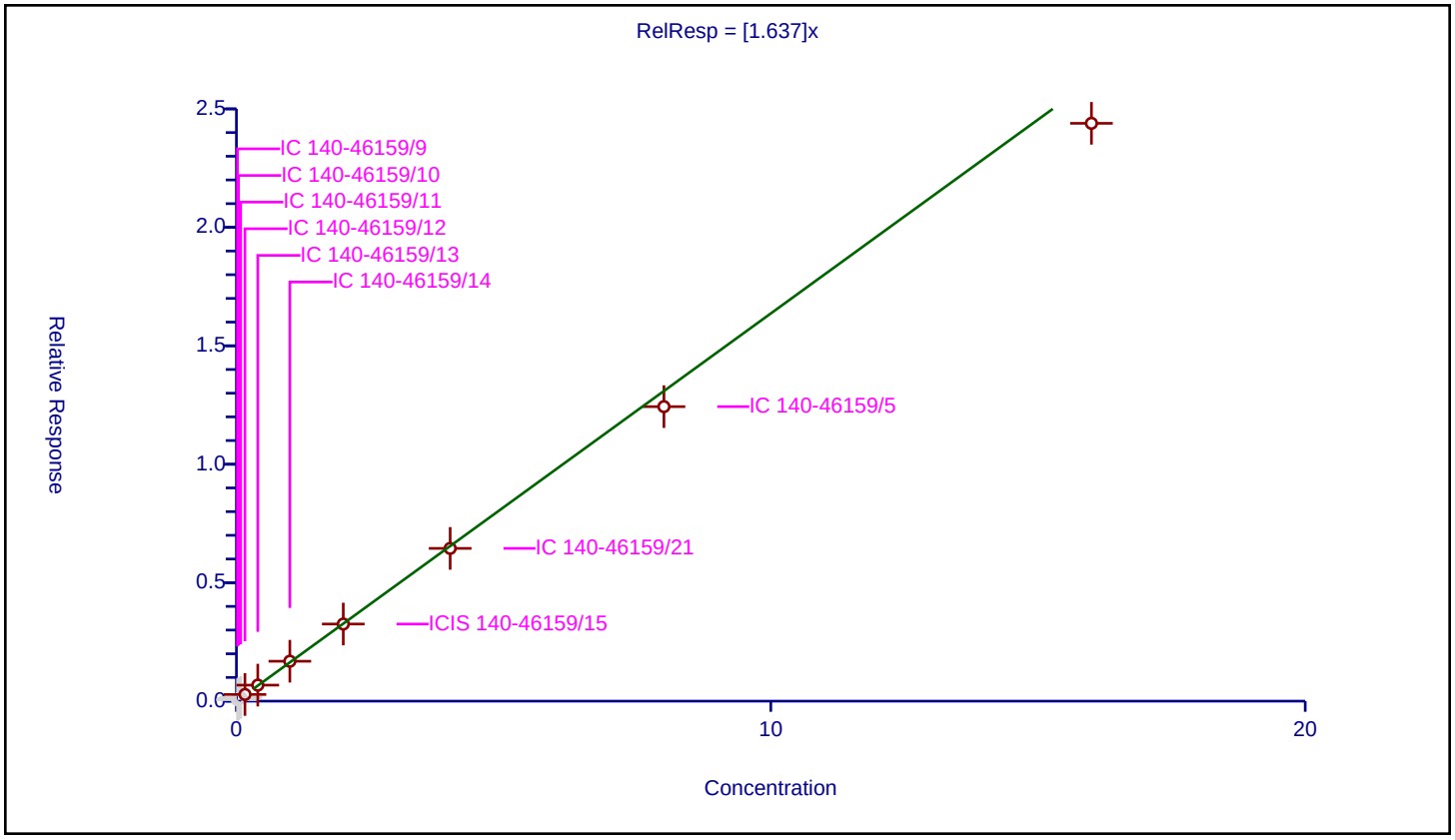
Curve Coefficients

Intercept:	0
Slope:	1.637

Error Coefficients

Standard Error:	509000
Relative Standard Error:	5.1
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.059805	4.8	221438.0	2.990273	N
2	IC 140-46159/10	0.04	0.100814	4.8	223160.0	2.520344	N
3	IC 140-46159/11	0.08	0.152883	4.8	223041.0	1.911039	N
4	IC 140-46159/12	0.16	0.281942	4.8	226668.0	1.762137	Y
5	IC 140-46159/13	0.4	0.676099	4.8	230778.0	1.690248	Y
6	IC 140-46159/14	1.0	1.684829	4.8	234751.0	1.684829	Y
7	ICIS 140-46159/15	2.0	3.255848	4.8	239538.0	1.627924	Y
8	IC 140-46159/21	4.0	6.448564	4.8	245846.0	1.612141	Y
9	IC 140-46159/5	8.0	12.431759	4.8	236693.0	1.55397	Y
10	IC 140-46159/3	16.0	24.390346	4.8	200216.0	1.524397	Y



Calibration / Trichlorofluoromethane

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

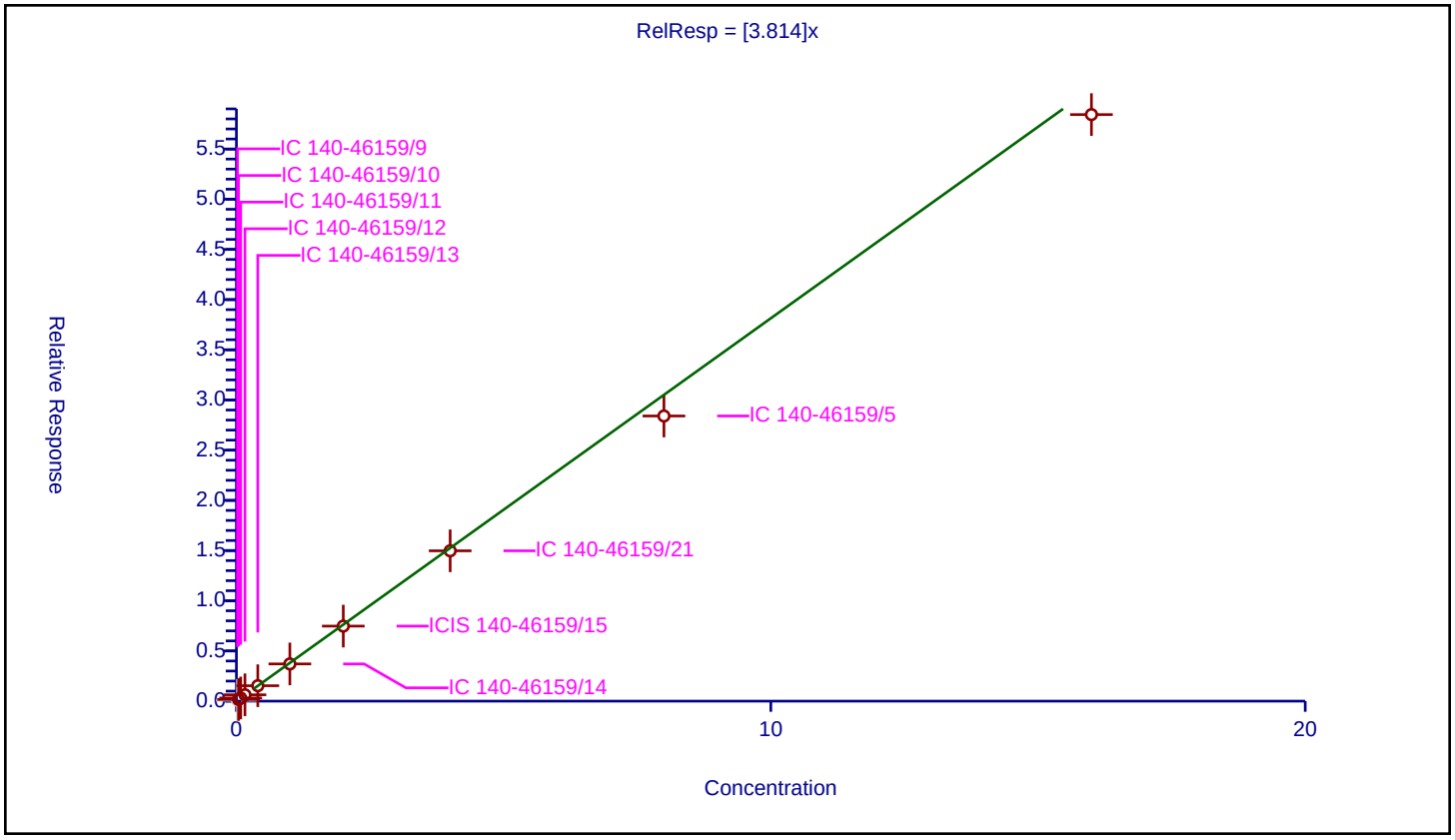
Curve Coefficients

Intercept:	0
Slope:	3.814

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	5.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.090673	4.8	221438.0	4.533639	N
2	IC 140-46159/10	0.04	0.167428	4.8	223160.0	4.185696	Y
3	IC 140-46159/11	0.08	0.315709	4.8	223041.0	3.94636	Y
4	IC 140-46159/12	0.16	0.633914	4.8	226668.0	3.961962	Y
5	IC 140-46159/13	0.4	1.536167	4.8	230778.0	3.840418	Y
6	IC 140-46159/14	1.0	3.706954	4.8	234751.0	3.706954	Y
7	ICIS 140-46159/15	2.0	7.47555	4.8	239538.0	3.737775	Y
8	IC 140-46159/21	4.0	14.977025	4.8	245846.0	3.744256	Y
9	IC 140-46159/5	8.0	28.406457	4.8	236693.0	3.550807	Y
10	IC 140-46159/3	16.0	58.432932	4.8	200216.0	3.652058	Y



Calibration / Acrolein

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

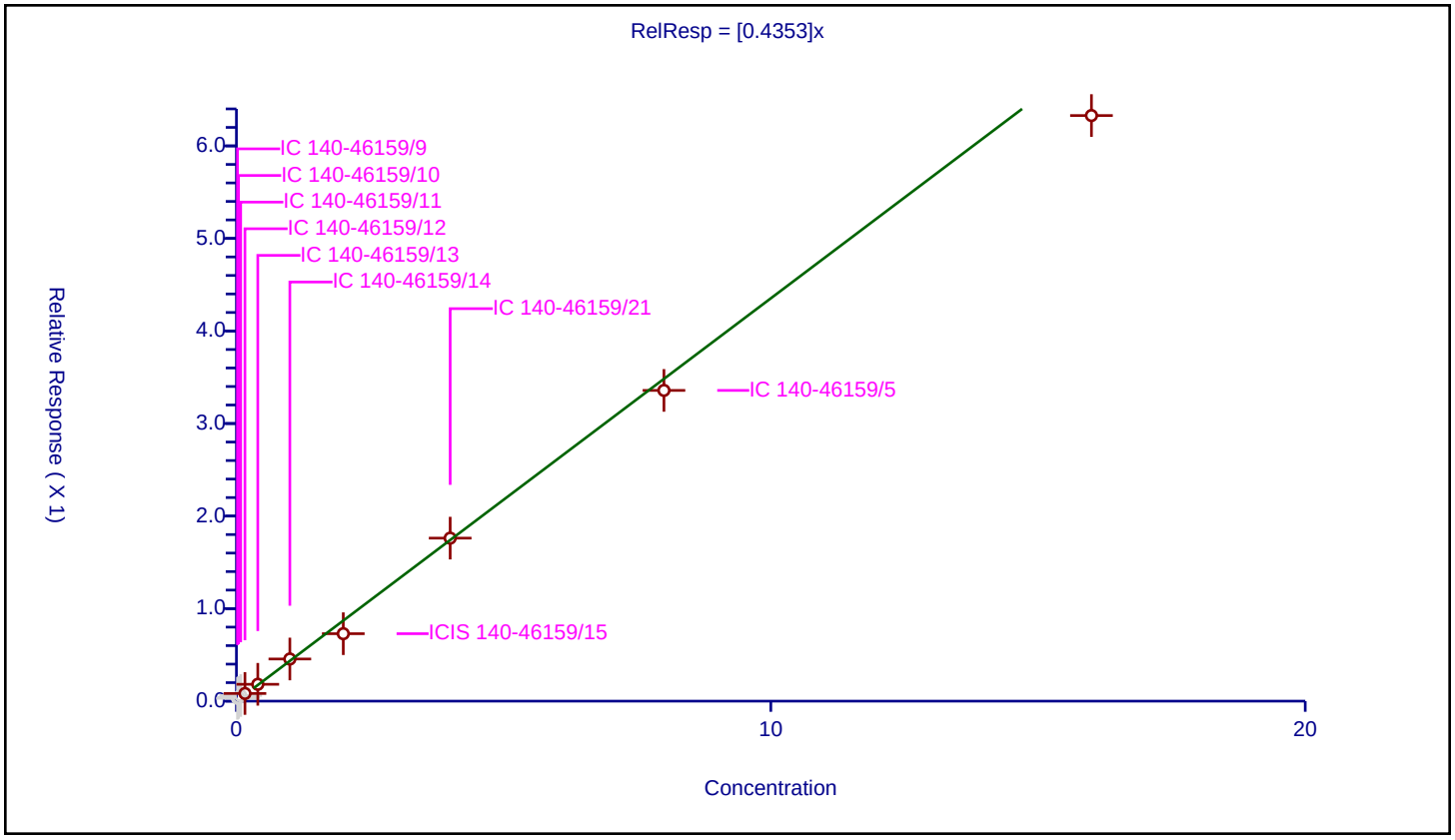
Curve Coefficients

Intercept:	0
Slope:	0.4353

Error Coefficients

Standard Error:	134000
Relative Standard Error:	11.2
Correlation Coefficient:	0.982
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.030737	4.8	221438.0	1.536864	N
2	IC 140-46159/10	0.04	0.039534	4.8	223160.0	0.988349	N
3	IC 140-46159/11	0.08	0.060925	4.8	223041.0	0.761564	N
4	IC 140-46159/12	0.16	0.082672	4.8	226668.0	0.516703	Y
5	IC 140-46159/13	0.4	0.181993	4.8	230778.0	0.454983	Y
6	IC 140-46159/14	1.0	0.45538	4.8	234751.0	0.45538	Y
7	ICIS 140-46159/15	2.0	0.728763	4.8	239538.0	0.364381	Y
8	IC 140-46159/21	4.0	1.761434	4.8	245846.0	0.440359	Y
9	IC 140-46159/5	8.0	3.357808	4.8	236693.0	0.419726	Y
10	IC 140-46159/3	16.0	6.328038	4.8	200216.0	0.395502	Y



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

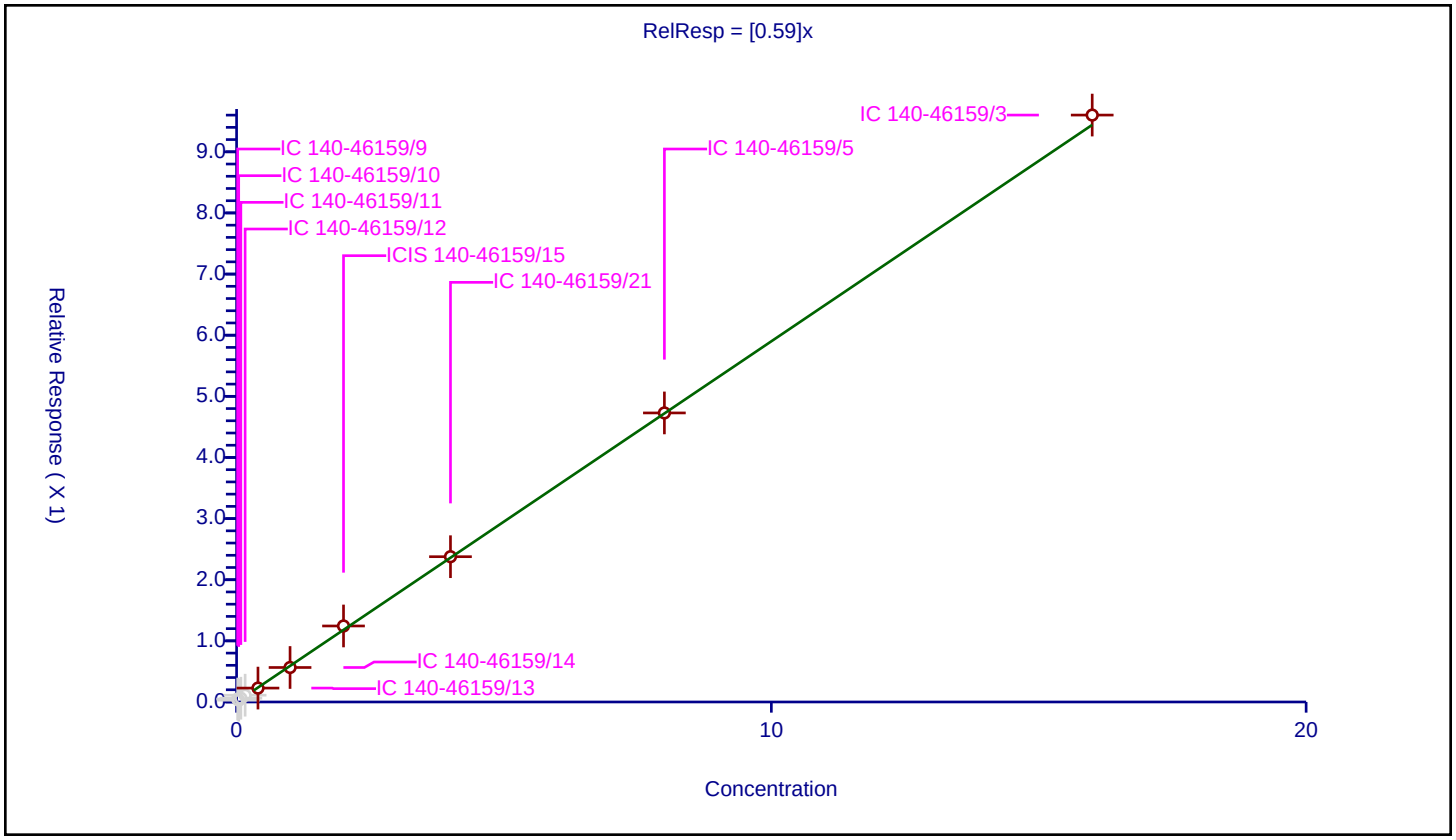
Curve Coefficients

Intercept:	0
Slope:	0.59

Error Coefficients

Standard Error:	216000
Relative Standard Error:	3.6
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.048013	4.8	221438.0	2.400672	N
2	IC 140-46159/10	0.04	0.029403	4.8	223160.0	0.735078	N
3	IC 140-46159/11	0.08	0.061506	4.8	223041.0	0.768827	N
4	IC 140-46159/12	0.16	0.110816	4.8	226668.0	0.692599	N
5	IC 140-46159/13	0.4	0.227523	4.8	230778.0	0.568806	Y
6	IC 140-46159/14	1.0	0.564281	4.8	234751.0	0.564281	Y
7	ICIS 140-46159/15	2.0	1.243394	4.8	239538.0	0.621697	Y
8	IC 140-46159/21	4.0	2.376922	4.8	245846.0	0.594231	Y
9	IC 140-46159/5	8.0	4.728576	4.8	236693.0	0.591072	Y
10	IC 140-46159/3	16.0	9.600839	4.8	200216.0	0.600052	Y



Calibration / Acetone

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

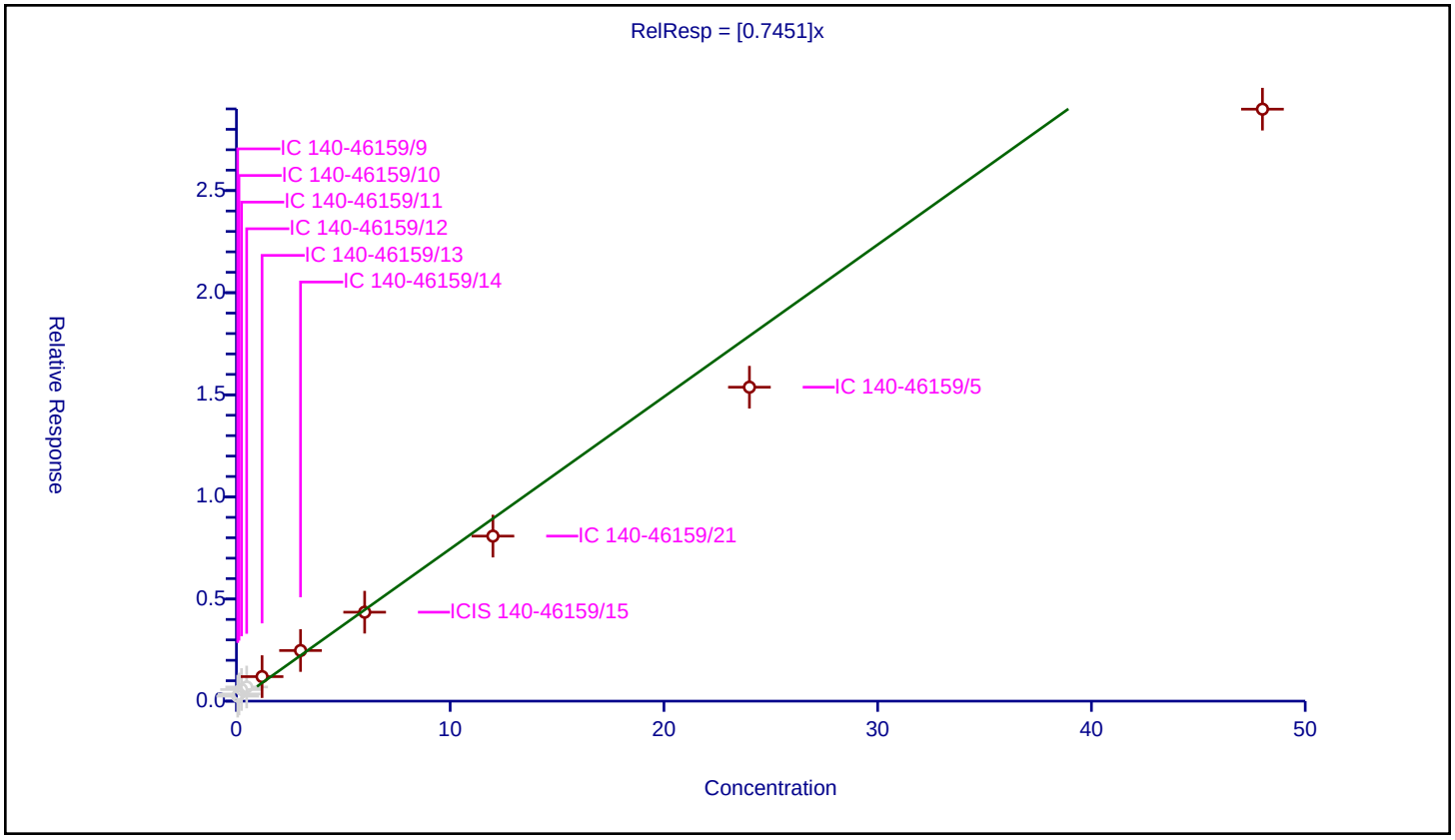
Curve Coefficients

Intercept:	0
Slope:	0.7451

Error Coefficients

Standard Error:	674000
Relative Standard Error:	19.7
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.920

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.06	0.242777	4.8	221438.0	4.046279	N
2	IC 140-46159/10	0.12	0.352794	4.8	223160.0	2.939953	N
3	IC 140-46159/11	0.24	0.569718	4.8	223041.0	2.373824	N
4	IC 140-46159/12	0.48	0.692001	4.8	226668.0	1.441668	N
5	IC 140-46159/13	1.2	1.200842	4.8	230778.0	1.000702	Y
6	IC 140-46159/14	3.0	2.477914	4.8	234751.0	0.825971	Y
7	ICIS 140-46159/15	6.0	4.355464	4.8	239538.0	0.725911	Y
8	IC 140-46159/21	12.0	8.081781	4.8	245846.0	0.673482	Y
9	IC 140-46159/5	24.0	15.372642	4.8	236693.0	0.640527	Y
10	IC 140-46159/3	48.0	28.987406	4.8	200216.0	0.603904	Y



Calibration / Isopropyl alcohol

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

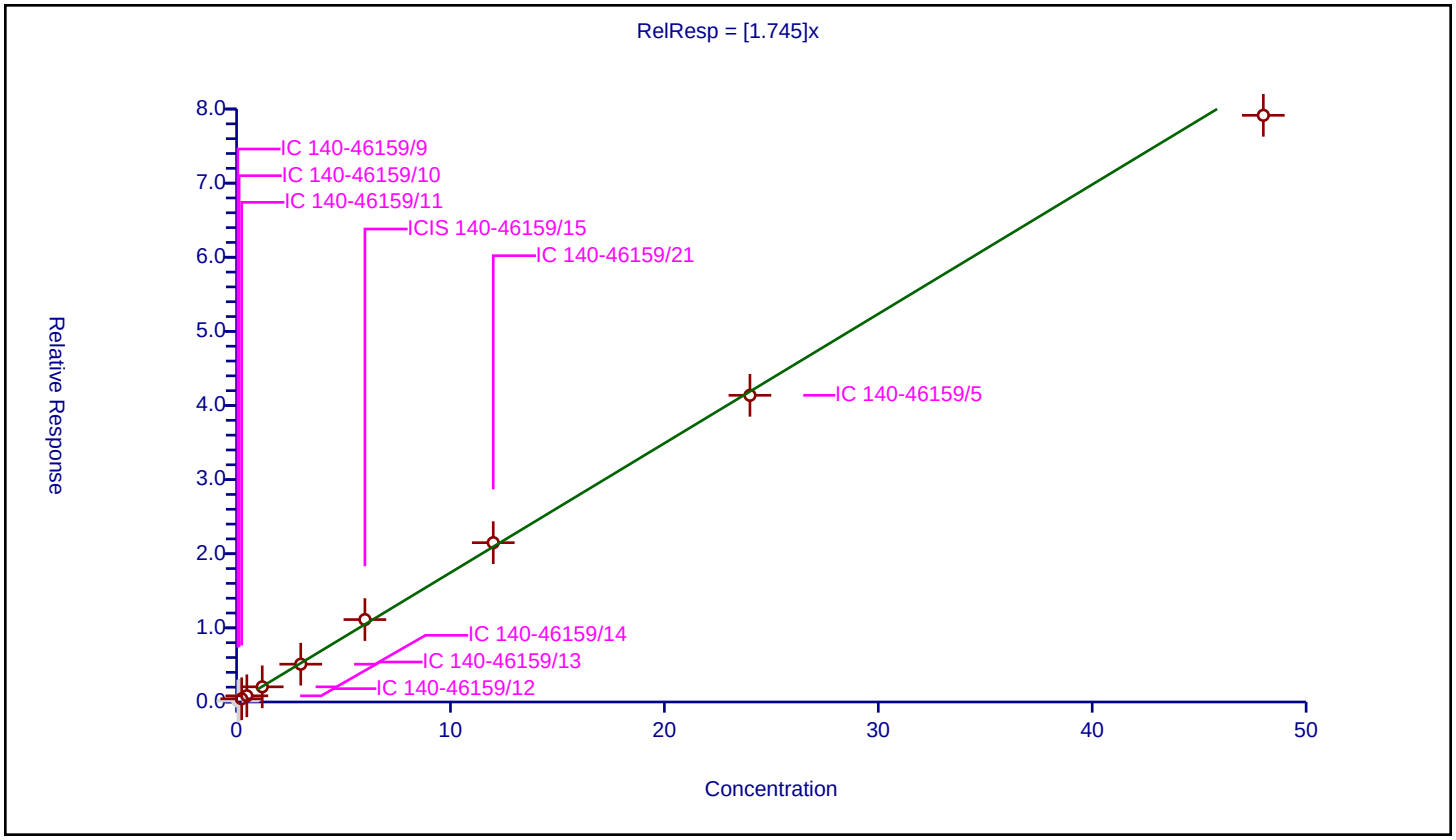
Curve Coefficients

Intercept:	0
Slope:	1.745

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	3.8
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.06	0.132855	4.8	221438.0	2.214254	N
2	IC 140-46159/10	0.12	0.238752	4.8	223160.0	1.989604	N
3	IC 140-46159/11	0.24	0.432695	4.8	223041.0	1.802897	Y
4	IC 140-46159/12	0.48	0.834645	4.8	226668.0	1.738843	Y
5	IC 140-46159/13	1.2	2.044874	4.8	230778.0	1.704062	Y
6	IC 140-46159/14	3.0	5.098427	4.8	234751.0	1.699476	Y
7	ICIS 140-46159/15	6.0	11.117621	4.8	239538.0	1.852937	Y
8	IC 140-46159/21	12.0	21.492772	4.8	245846.0	1.791064	Y
9	IC 140-46159/5	24.0	41.374425	4.8	236693.0	1.723934	Y
10	IC 140-46159/3	48.0	79.151788	4.8	200216.0	1.648996	Y



Calibration / Pentane

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

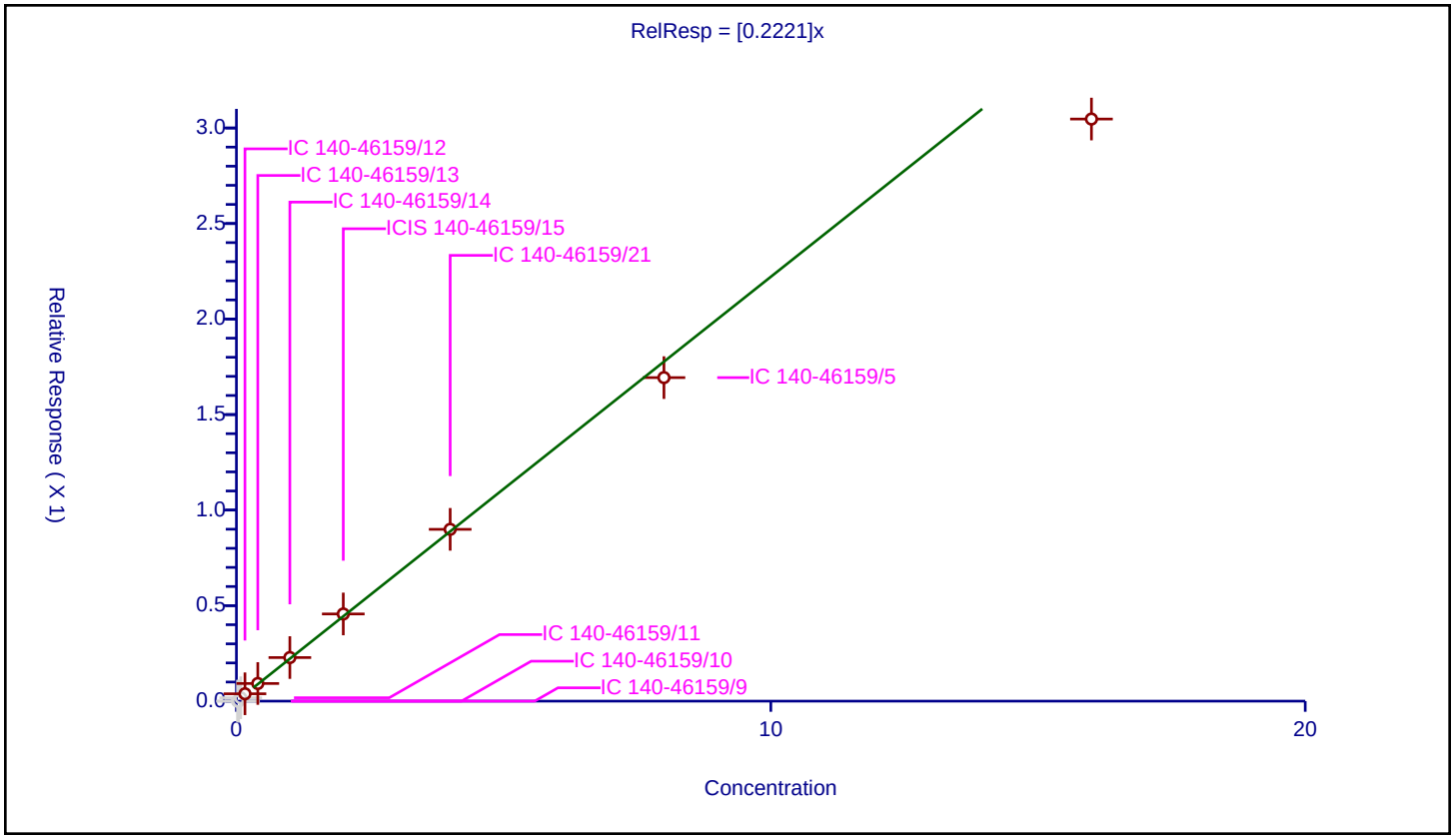
Curve Coefficients

Intercept:	0
Slope:	0.2221

Error Coefficients

Standard Error:	65700
Relative Standard Error:	7.4
Correlation Coefficient:	0.973
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.0	4.8	221438.0	0.0	N
2	IC 140-46159/10	0.04	0.0	4.8	223160.0	0.0	N
3	IC 140-46159/11	0.08	0.017712	4.8	223041.0	0.221394	N
4	IC 140-46159/12	0.16	0.038499	4.8	226668.0	0.240616	Y
5	IC 140-46159/13	0.4	0.092369	4.8	230778.0	0.230923	Y
6	IC 140-46159/14	1.0	0.228109	4.8	234751.0	0.228109	Y
7	ICIS 140-46159/15	2.0	0.456338	4.8	239538.0	0.228169	Y
8	IC 140-46159/21	4.0	0.899256	4.8	245846.0	0.224814	Y
9	IC 140-46159/5	8.0	1.693556	4.8	236693.0	0.211694	Y
10	IC 140-46159/3	16.0	3.046845	4.8	200216.0	0.190428	Y



Calibration / Ethyl ether

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

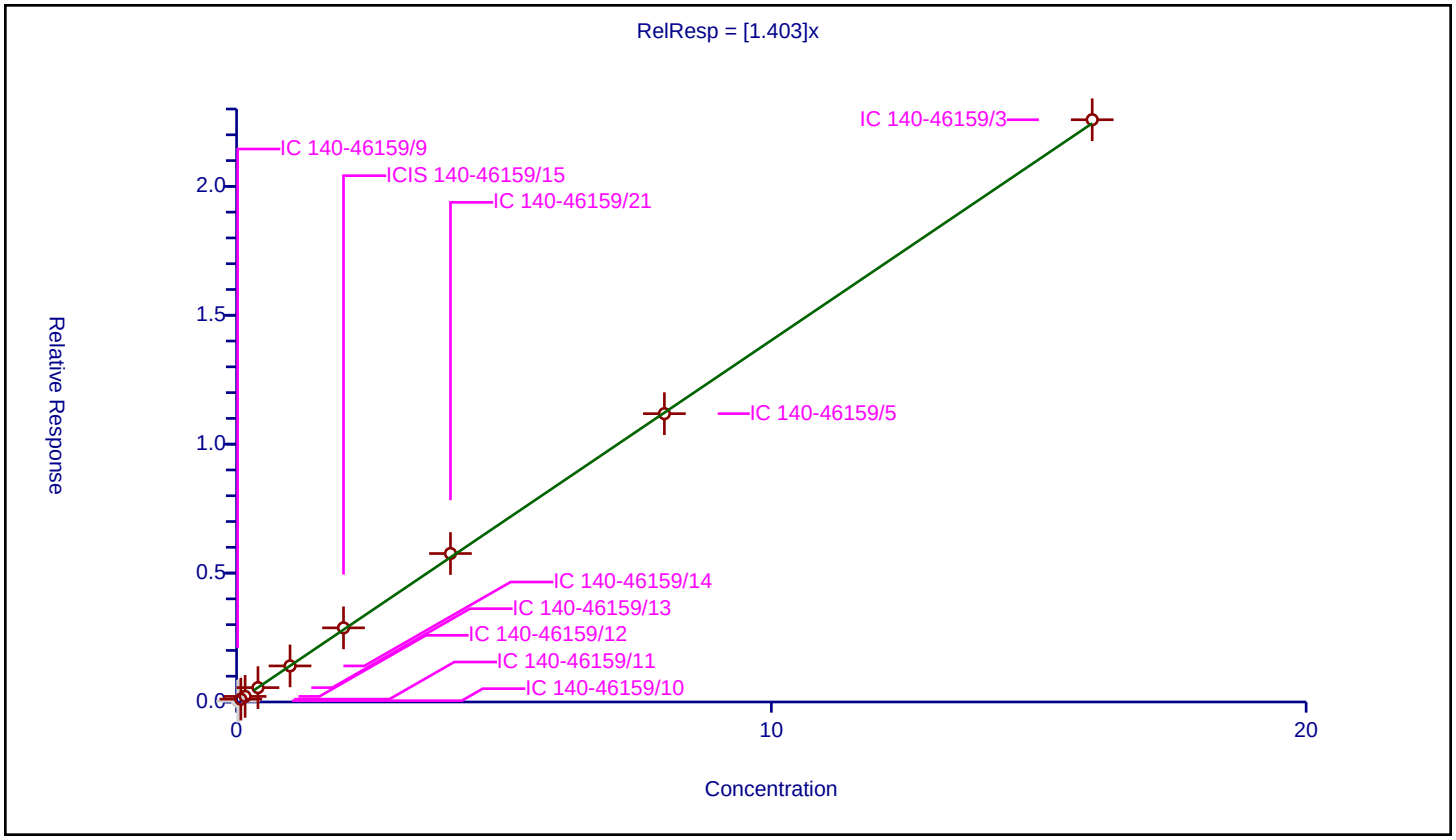
Curve Coefficients

Intercept:	0
Slope:	1.403

Error Coefficients

Standard Error:	432000
Relative Standard Error:	2.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.02844	4.8	221438.0	1.421978	N
2	IC 140-46159/10	0.04	0.050181	4.8	223160.0	1.254526	N
3	IC 140-46159/11	0.08	0.111068	4.8	223041.0	1.388355	Y
4	IC 140-46159/12	0.16	0.216803	4.8	226668.0	1.355021	Y
5	IC 140-46159/13	0.4	0.557107	4.8	230778.0	1.392767	Y
6	IC 140-46159/14	1.0	1.399202	4.8	234751.0	1.399202	Y
7	ICIS 140-46159/15	2.0	2.875796	4.8	239538.0	1.437898	Y
8	IC 140-46159/21	4.0	5.758707	4.8	245846.0	1.439677	Y
9	IC 140-46159/5	8.0	11.183357	4.8	236693.0	1.39792	Y
10	IC 140-46159/3	16.0	22.584329	4.8	200216.0	1.411521	Y



Calibration / 1,1-Dichloroethene

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

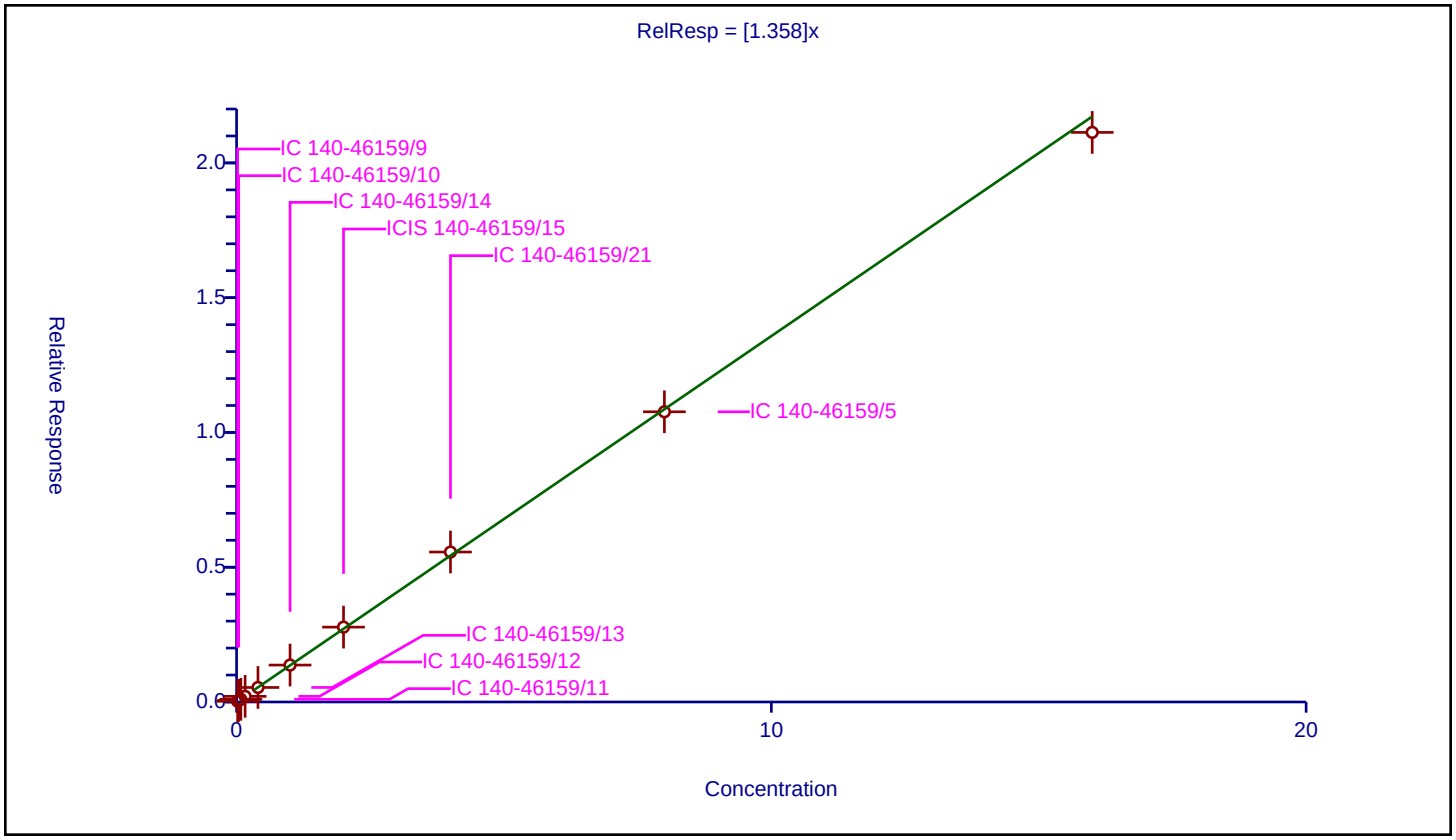
Curve Coefficients

Intercept:	0
Slope:	1.358

Error Coefficients

Standard Error:	360000
Relative Standard Error:	4.6
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.027529	4.8	221438.0	1.376458	Y
2	IC 140-46159/10	0.04	0.059279	4.8	223160.0	1.481986	Y
3	IC 140-46159/11	0.08	0.09977	4.8	223041.0	1.247125	Y
4	IC 140-46159/12	0.16	0.209138	4.8	226668.0	1.30711	Y
5	IC 140-46159/13	0.4	0.538637	4.8	230778.0	1.346593	Y
6	IC 140-46159/14	1.0	1.369983	4.8	234751.0	1.369983	Y
7	ICIS 140-46159/15	2.0	2.777587	4.8	239538.0	1.388793	Y
8	IC 140-46159/21	4.0	5.563229	4.8	245846.0	1.390807	Y
9	IC 140-46159/5	8.0	10.767163	4.8	236693.0	1.345895	Y
10	IC 140-46159/3	16.0	21.132145	4.8	200216.0	1.320759	Y



Calibration / 2-Methyl-2-propanol

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

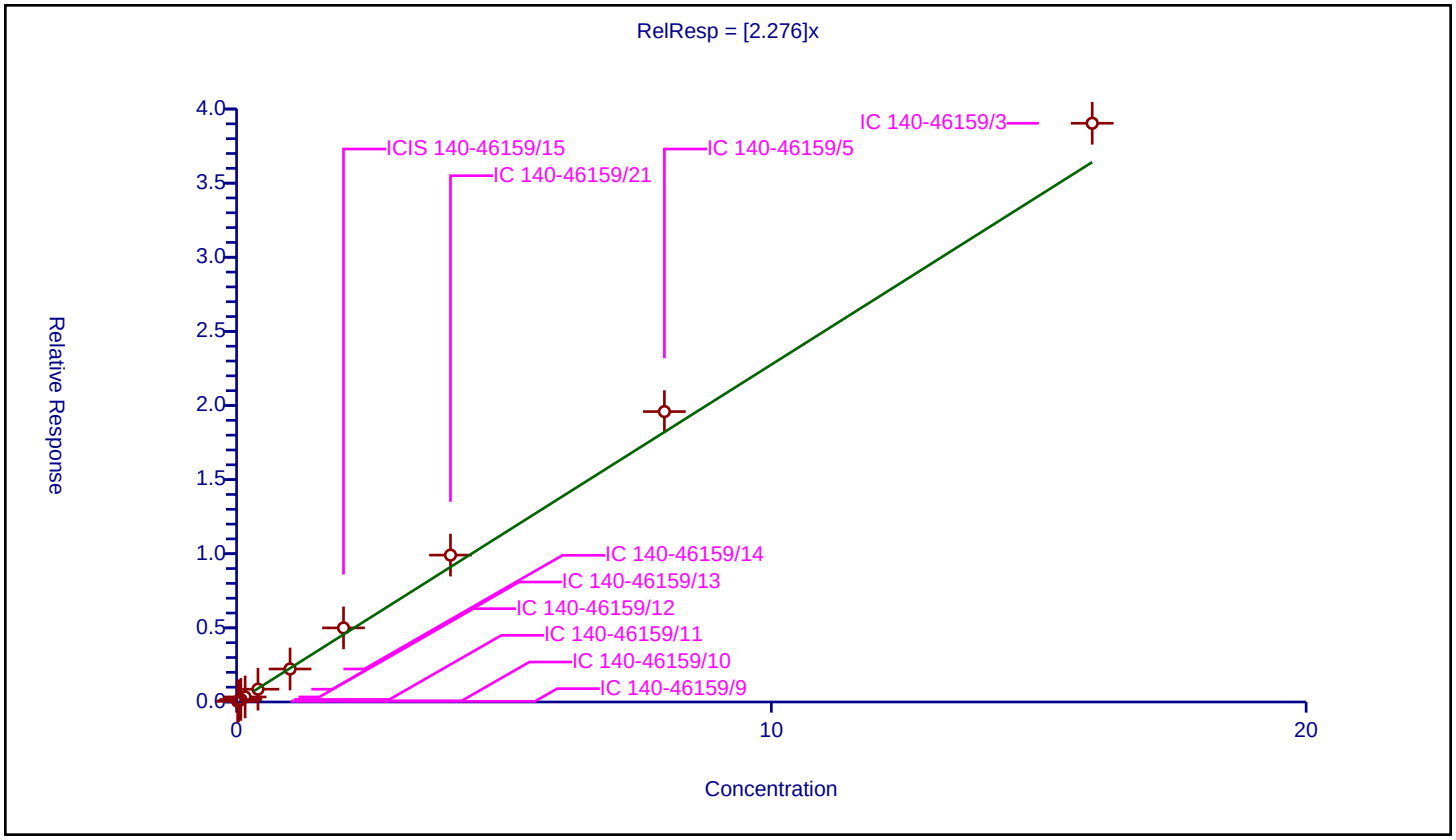
Curve Coefficients

Intercept:	0
Slope:	2.276

Error Coefficients

Standard Error:	660000
Relative Standard Error:	7.5
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.043678	4.8	221438.0	2.183907	Y
2	IC 140-46159/10	0.04	0.082036	4.8	223160.0	2.050905	Y
3	IC 140-46159/11	0.08	0.171412	4.8	223041.0	2.142655	Y
4	IC 140-46159/12	0.16	0.34132	4.8	226668.0	2.133252	Y
5	IC 140-46159/13	0.4	0.863022	4.8	230778.0	2.157554	Y
6	IC 140-46159/14	1.0	2.225882	4.8	234751.0	2.225882	Y
7	ICIS 140-46159/15	2.0	4.997941	4.8	239538.0	2.498971	Y
8	IC 140-46159/21	4.0	9.908427	4.8	245846.0	2.477107	Y
9	IC 140-46159/5	8.0	19.59046	4.8	236693.0	2.448808	Y
10	IC 140-46159/3	16.0	39.039126	4.8	200216.0	2.439945	Y



Calibration / Acrylonitrile

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

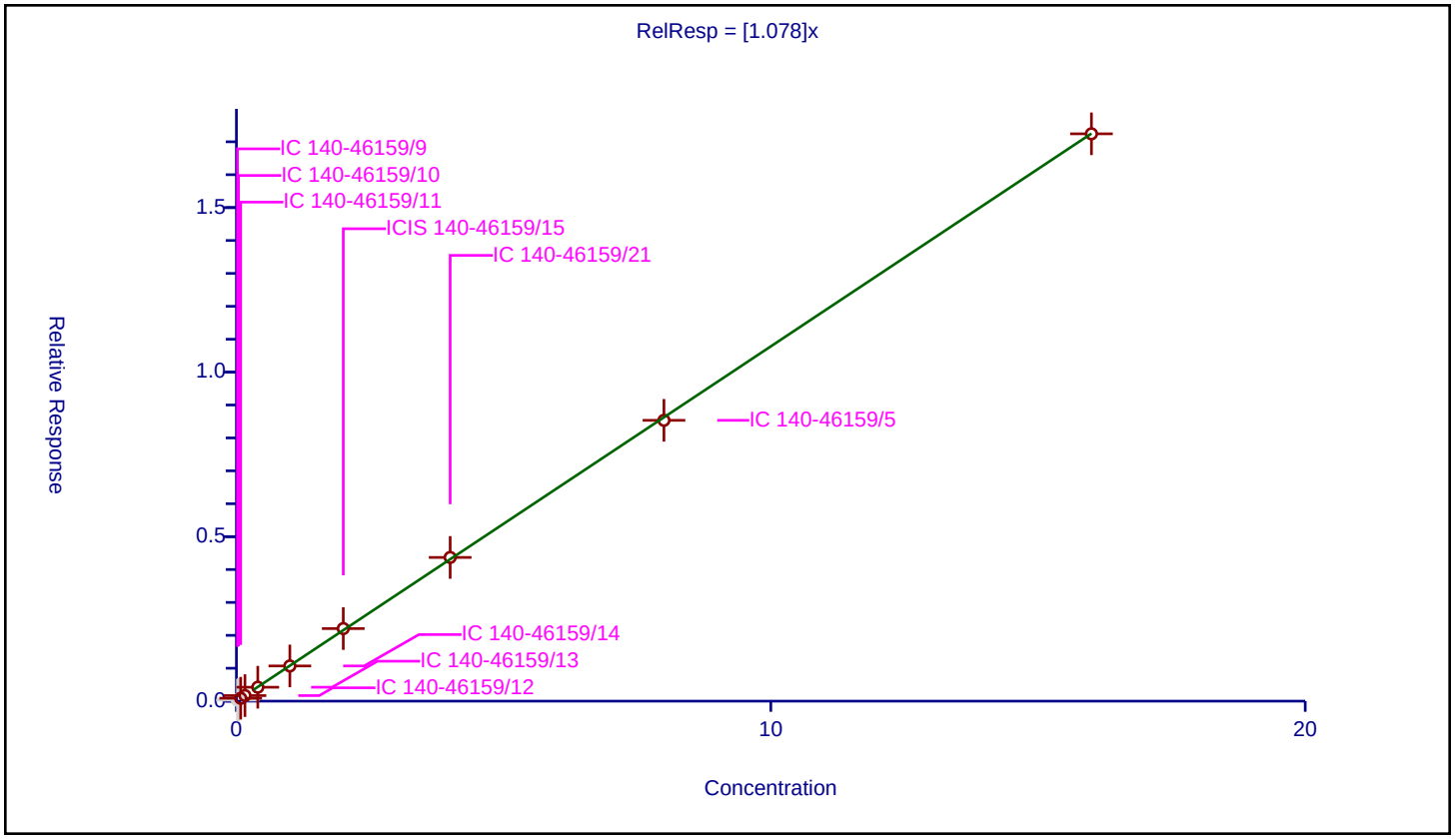
Curve Coefficients

Intercept:	0
Slope:	1.078

Error Coefficients

Standard Error:	329000
Relative Standard Error:	1.8
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.031258	4.8	221438.0	1.562875	N
2	IC 140-46159/10	0.04	0.051278	4.8	223160.0	1.28195	N
3	IC 140-46159/11	0.08	0.088299	4.8	223041.0	1.103743	Y
4	IC 140-46159/12	0.16	0.169072	4.8	226668.0	1.0567	Y
5	IC 140-46159/13	0.4	0.422578	4.8	230778.0	1.056444	Y
6	IC 140-46159/14	1.0	1.069736	4.8	234751.0	1.069736	Y
7	ICIS 140-46159/15	2.0	2.205486	4.8	239538.0	1.102743	Y
8	IC 140-46159/21	4.0	4.367768	4.8	245846.0	1.091942	Y
9	IC 140-46159/5	8.0	8.534782	4.8	236693.0	1.066848	Y
10	IC 140-46159/3	16.0	17.242418	4.8	200216.0	1.077651	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

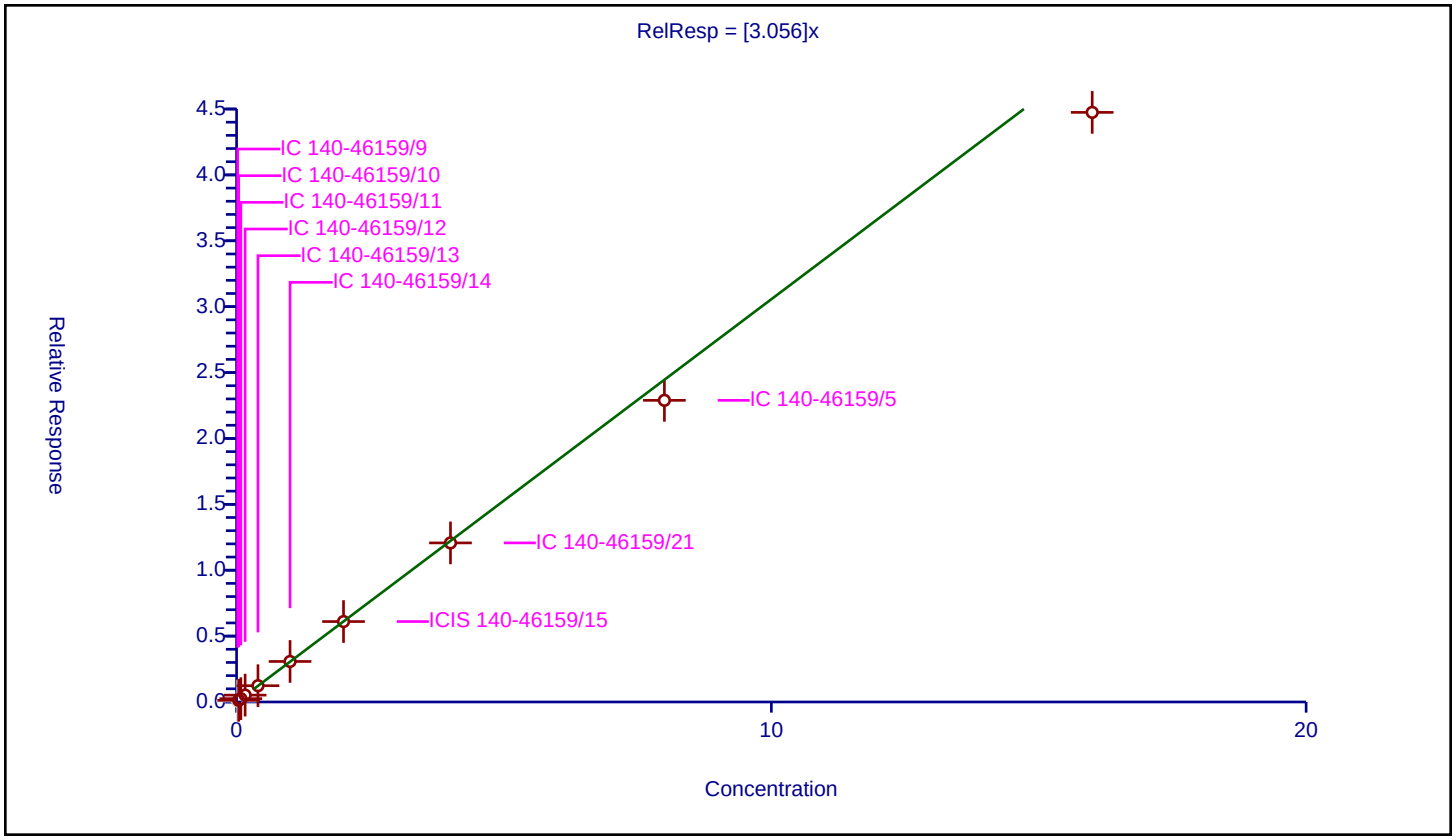
Curve Coefficients

Intercept:	0
Slope:	3.056

Error Coefficients

Standard Error:	811000
Relative Standard Error:	4.9
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.068975	4.8	221438.0	3.448731	N
2	IC 140-46159/10	0.04	0.128087	4.8	223160.0	3.202187	Y
3	IC 140-46159/11	0.08	0.253105	4.8	223041.0	3.163813	Y
4	IC 140-46159/12	0.16	0.520197	4.8	226668.0	3.251231	Y
5	IC 140-46159/13	0.4	1.235411	4.8	230778.0	3.088527	Y
6	IC 140-46159/14	1.0	3.074257	4.8	234751.0	3.074257	Y
7	ICIS 140-46159/15	2.0	6.10395	4.8	239538.0	3.051975	Y
8	IC 140-46159/21	4.0	12.071987	4.8	245846.0	3.017997	Y
9	IC 140-46159/5	8.0	22.891404	4.8	236693.0	2.861426	Y
10	IC 140-46159/3	16.0	44.74585	4.8	200216.0	2.796616	Y



Calibration / Methylene Chloride

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

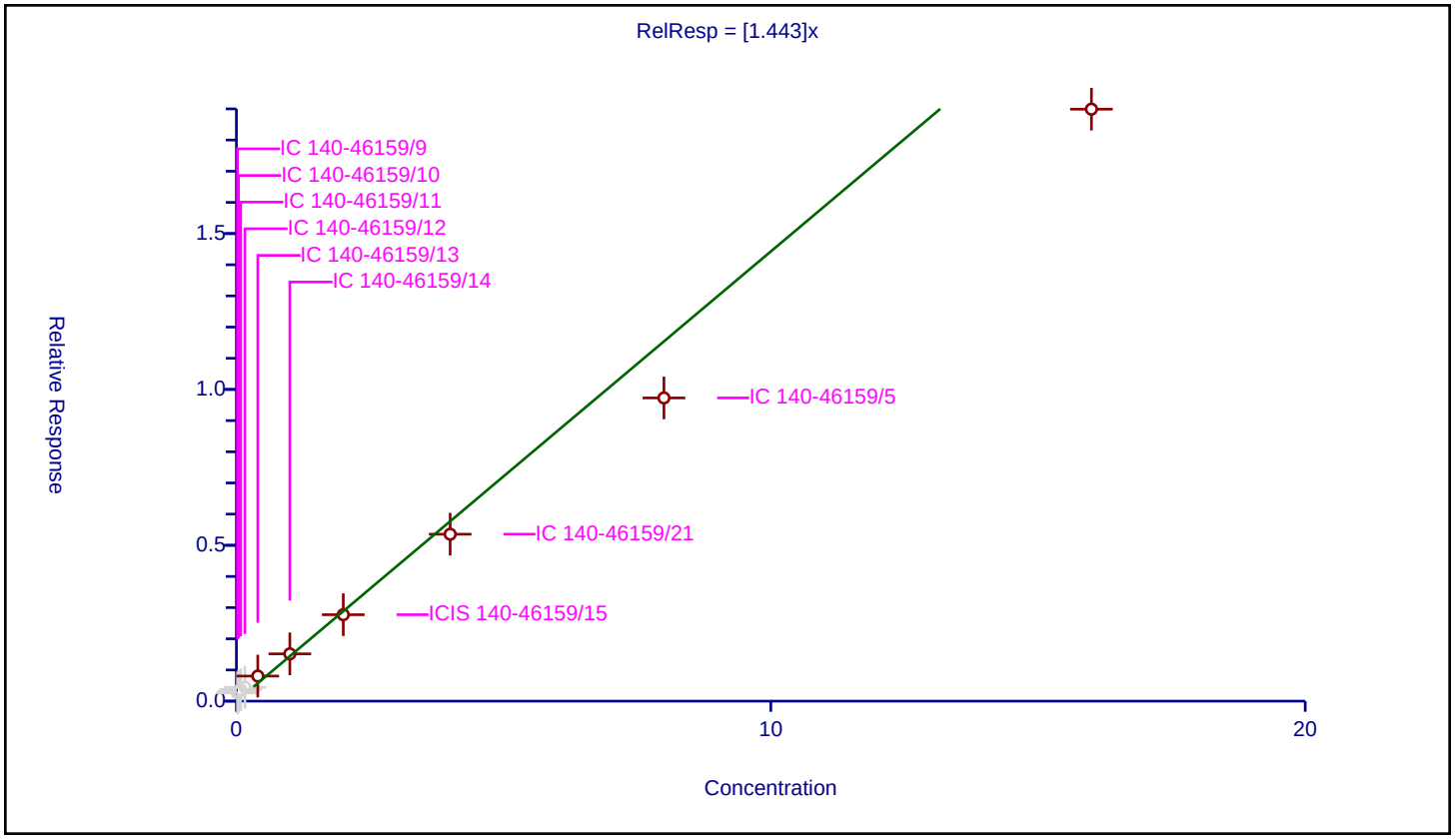
Curve Coefficients

Intercept:	0
Slope:	1.443

Error Coefficients

Standard Error:	438000
Relative Standard Error:	21.0
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.907

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.26376	4.8	221438.0	13.18798	N
2	IC 140-46159/10	0.04	0.312163	4.8	223160.0	7.804087	N
3	IC 140-46159/11	0.08	0.370006	4.8	223041.0	4.625069	N
4	IC 140-46159/12	0.16	0.444852	4.8	226668.0	2.780322	N
5	IC 140-46159/13	0.4	0.804181	4.8	230778.0	2.010452	Y
6	IC 140-46159/14	1.0	1.516732	4.8	234751.0	1.516732	Y
7	ICIS 140-46159/15	2.0	2.773539	4.8	239538.0	1.38677	Y
8	IC 140-46159/21	4.0	5.355392	4.8	245846.0	1.338848	Y
9	IC 140-46159/5	8.0	9.727294	4.8	236693.0	1.215912	Y
10	IC 140-46159/3	16.0	18.990898	4.8	200216.0	1.186931	Y



Calibration / 3-Chloro-1-propene

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

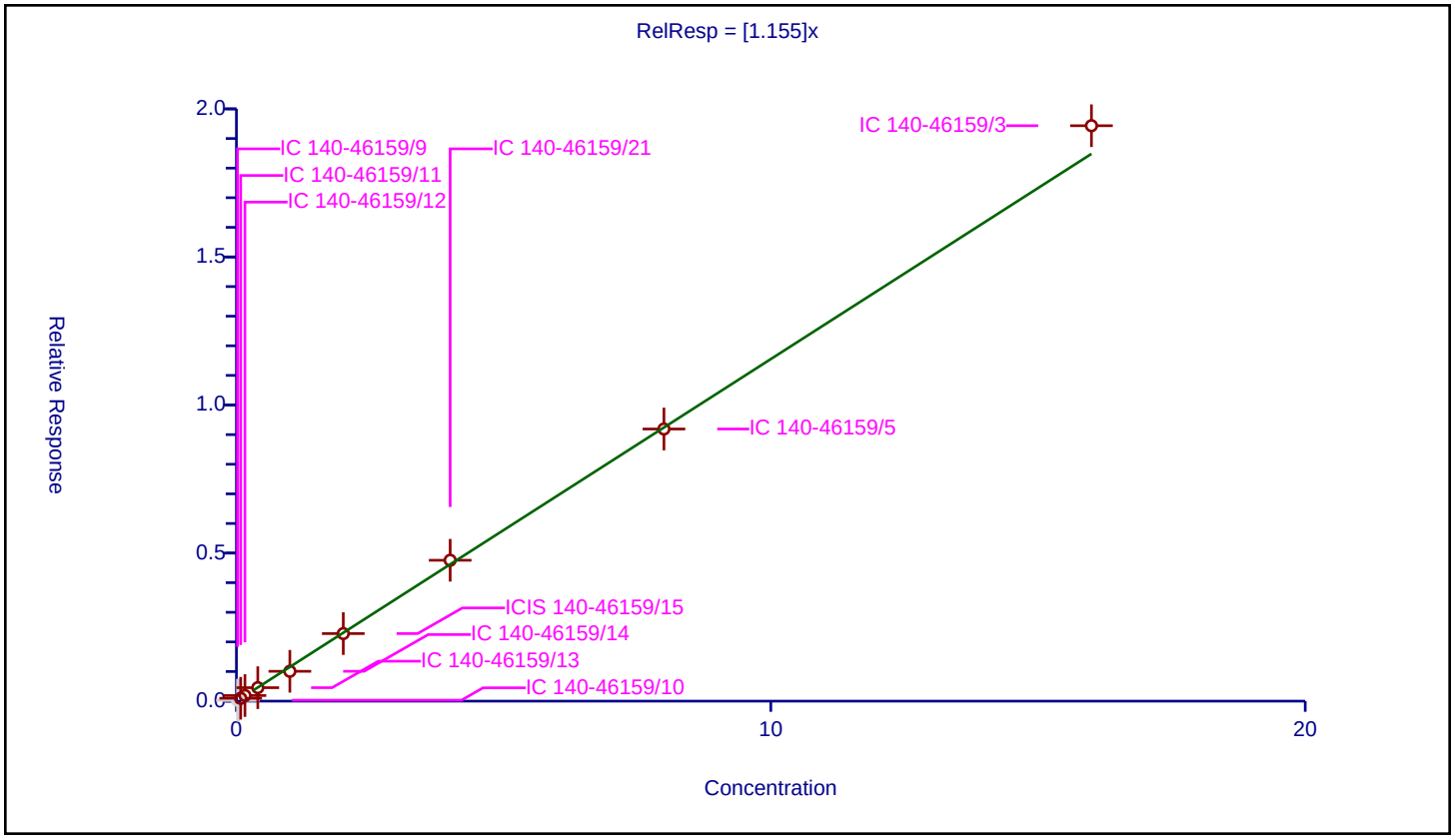
Curve Coefficients

Intercept:	0
Slope:	1.155

Error Coefficients

Standard Error:	366000
Relative Standard Error:	5.8
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.031214	4.8	221438.0	1.560708	N
2	IC 140-46159/10	0.04	0.03164	4.8	223160.0	0.791002	N
3	IC 140-46159/11	0.08	0.097403	4.8	223041.0	1.217534	Y
4	IC 140-46159/12	0.16	0.189698	4.8	226668.0	1.185611	Y
5	IC 140-46159/13	0.4	0.454775	4.8	230778.0	1.136937	Y
6	IC 140-46159/14	1.0	1.007801	4.8	234751.0	1.007801	Y
7	ICIS 140-46159/15	2.0	2.280951	4.8	239538.0	1.140475	Y
8	IC 140-46159/21	4.0	4.757242	4.8	245846.0	1.18931	Y
9	IC 140-46159/5	8.0	9.190274	4.8	236693.0	1.148784	Y
10	IC 140-46159/3	16.0	19.43183	4.8	200216.0	1.214489	Y



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

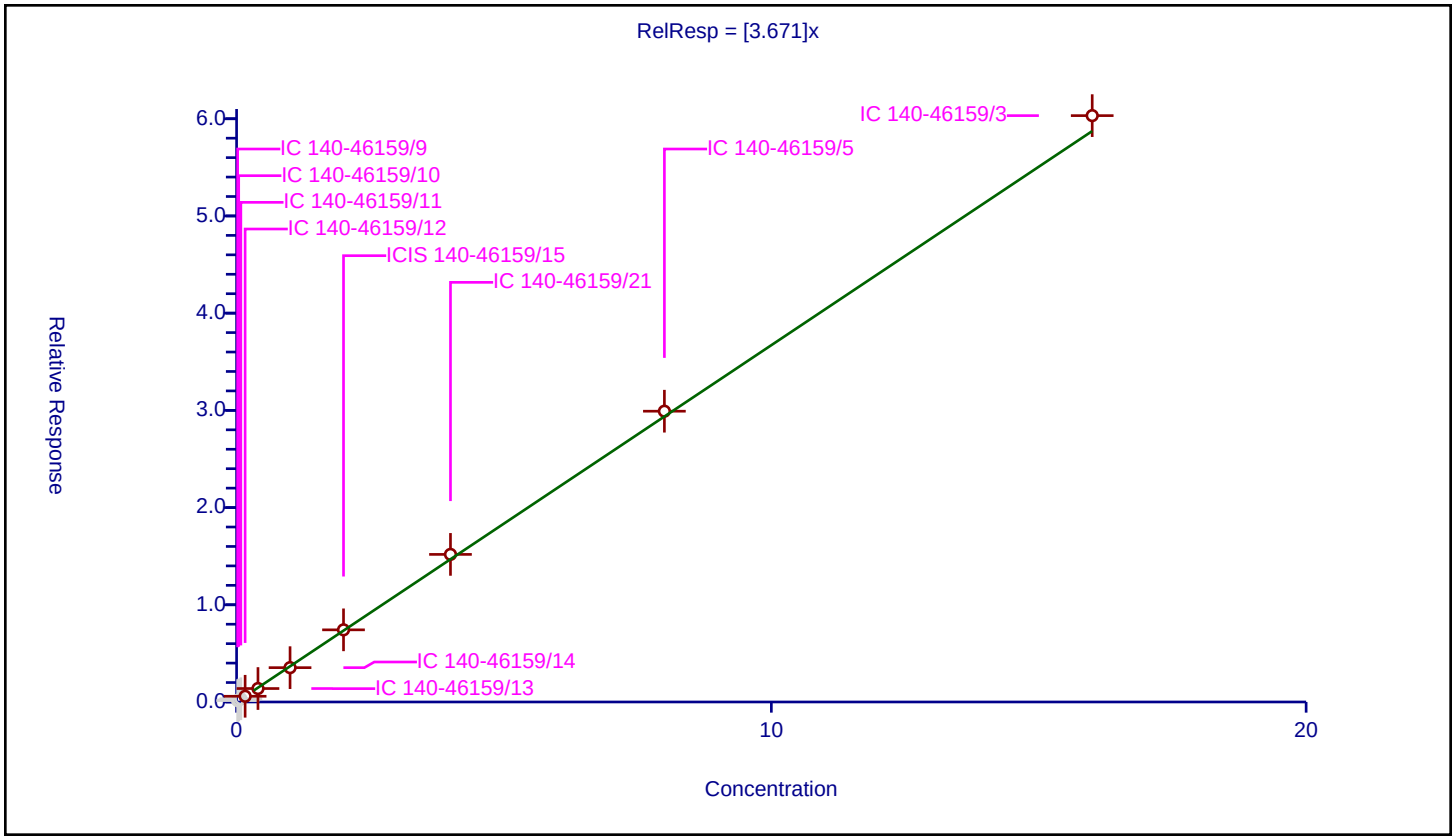
Curve Coefficients

Intercept:	0
Slope:	3.671

Error Coefficients

Standard Error:	1240000
Relative Standard Error:	3.4
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.144257	4.8	221438.0	7.212854	N
2	IC 140-46159/10	0.04	0.207629	4.8	223160.0	5.190715	N
3	IC 140-46159/11	0.08	0.334066	4.8	223041.0	4.175824	N
4	IC 140-46159/12	0.16	0.589761	4.8	226668.0	3.686008	Y
5	IC 140-46159/13	0.4	1.383418	4.8	230778.0	3.458545	Y
6	IC 140-46159/14	1.0	3.533173	4.8	234751.0	3.533173	Y
7	ICIS 140-46159/15	2.0	7.422368	4.8	239538.0	3.711184	Y
8	IC 140-46159/21	4.0	15.182773	4.8	245846.0	3.795693	Y
9	IC 140-46159/5	8.0	29.914071	4.8	236693.0	3.739259	Y
10	IC 140-46159/3	16.0	60.319695	4.8	200216.0	3.769981	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

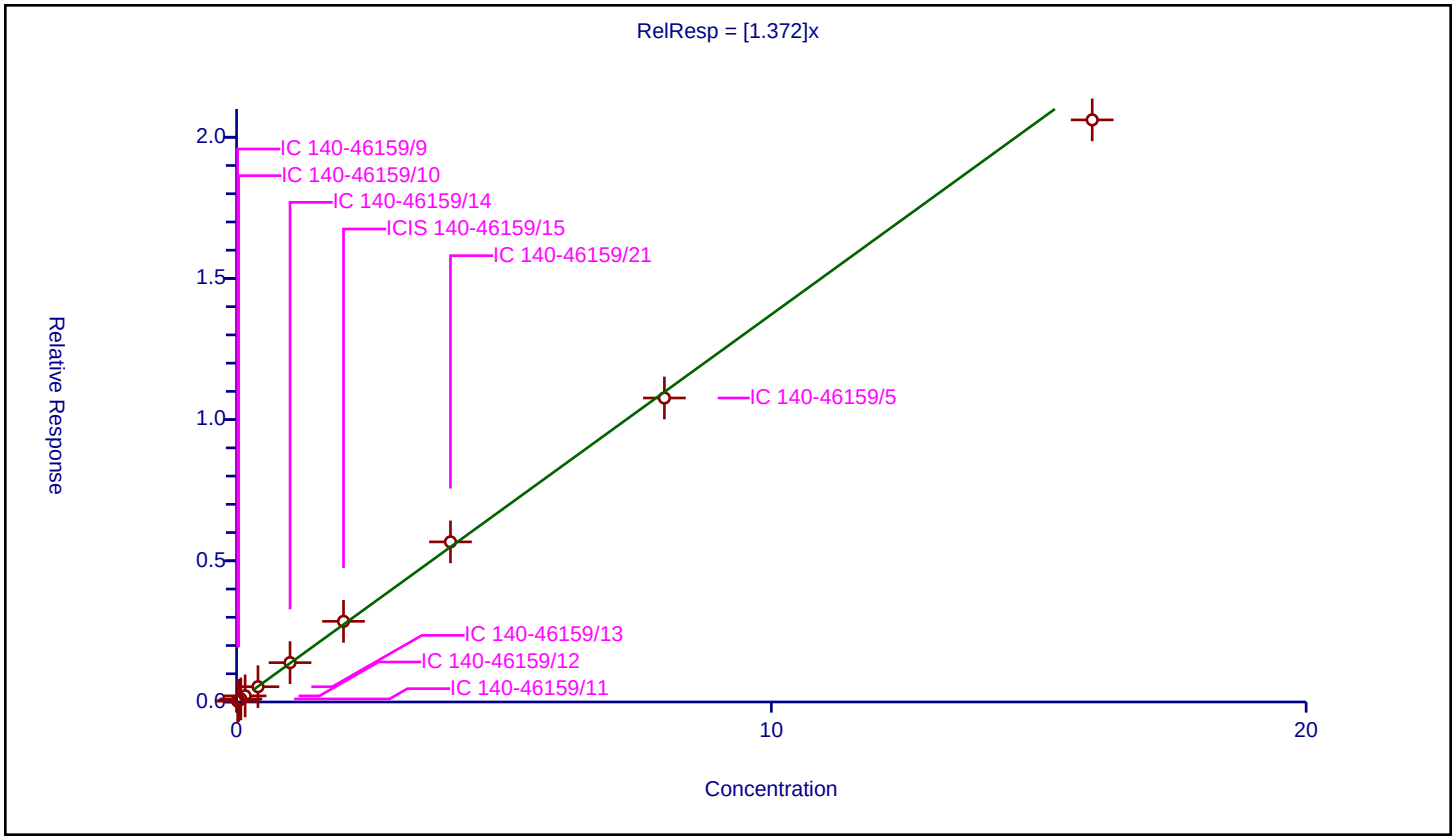
Curve Coefficients

Intercept:	0
Slope:	1.372

Error Coefficients

Standard Error:	355000
Relative Standard Error:	3.1
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.028006	4.8	221438.0	1.400302	Y
2	IC 140-46159/10	0.04	0.055795	4.8	223160.0	1.394874	Y
3	IC 140-46159/11	0.08	0.107819	4.8	223041.0	1.347734	Y
4	IC 140-46159/12	0.16	0.21693	4.8	226668.0	1.355816	Y
5	IC 140-46159/13	0.4	0.540301	4.8	230778.0	1.350753	Y
6	IC 140-46159/14	1.0	1.393906	4.8	234751.0	1.393906	Y
7	ICIS 140-46159/15	2.0	2.856639	4.8	239538.0	1.42832	Y
8	IC 140-46159/21	4.0	5.669871	4.8	245846.0	1.417468	Y
9	IC 140-46159/5	8.0	10.765763	4.8	236693.0	1.34572	Y
10	IC 140-46159/3	16.0	20.614976	4.8	200216.0	1.288436	Y



Calibration / 2-Methylpentane

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

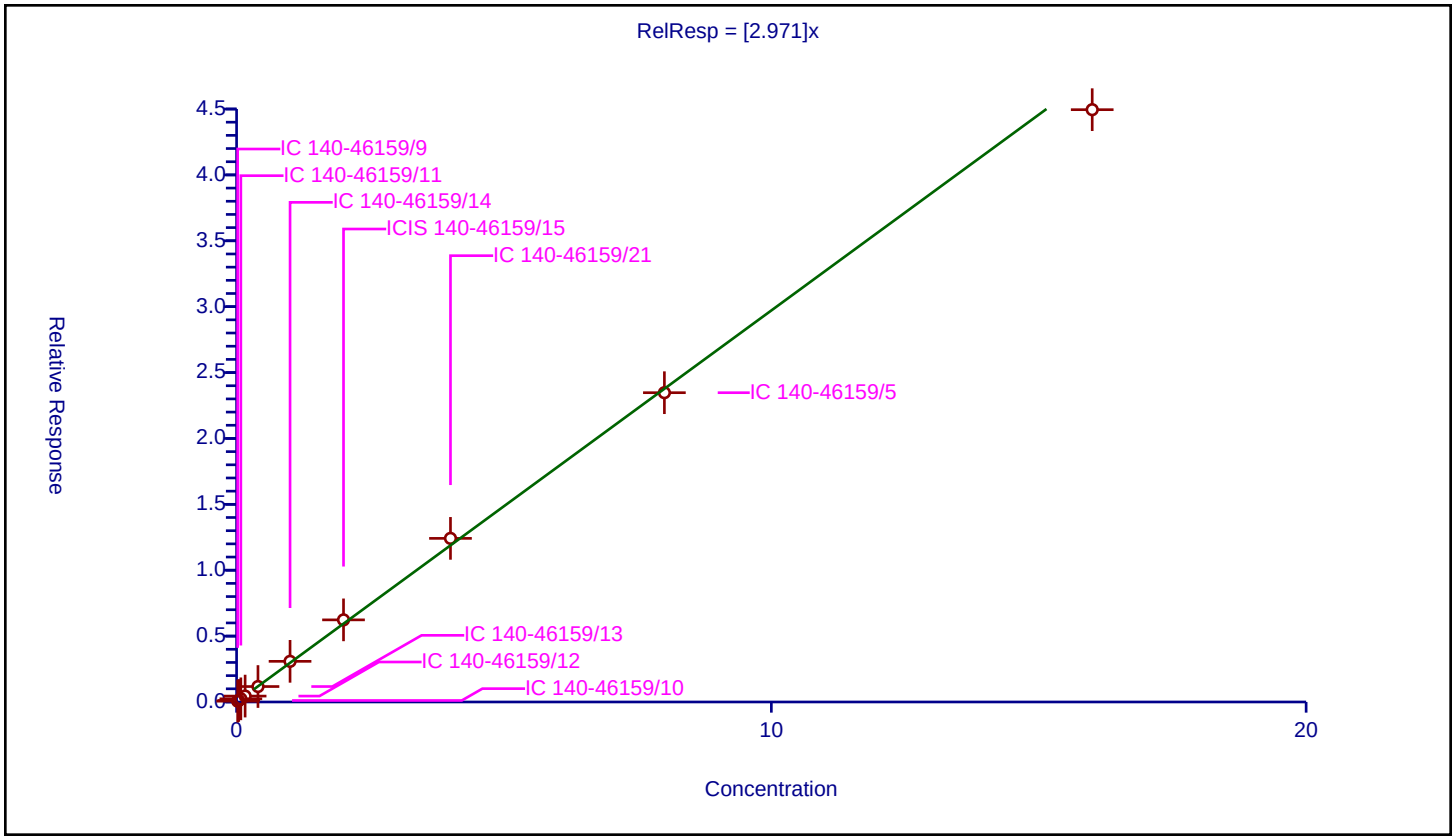
Curve Coefficients

Intercept:	0
Slope:	2.971

Error Coefficients

Standard Error:	773000
Relative Standard Error:	4.0
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.061301	4.8	221438.0	3.065057	Y
2	IC 140-46159/10	0.04	0.114709	4.8	223160.0	2.867718	Y
3	IC 140-46159/11	0.08	0.24002	4.8	223041.0	3.000256	Y
4	IC 140-46159/12	0.16	0.448219	4.8	226668.0	2.801366	Y
5	IC 140-46159/13	0.4	1.172493	4.8	230778.0	2.931233	Y
6	IC 140-46159/14	1.0	3.084153	4.8	234751.0	3.084153	Y
7	ICIS 140-46159/15	2.0	6.231536	4.8	239538.0	3.115768	Y
8	IC 140-46159/21	4.0	12.416202	4.8	245846.0	3.104051	Y
9	IC 140-46159/5	8.0	23.471011	4.8	236693.0	2.933876	Y
10	IC 140-46159/3	16.0	44.950326	4.8	200216.0	2.809395	Y



Calibration / Methyl tert-butyl ether

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

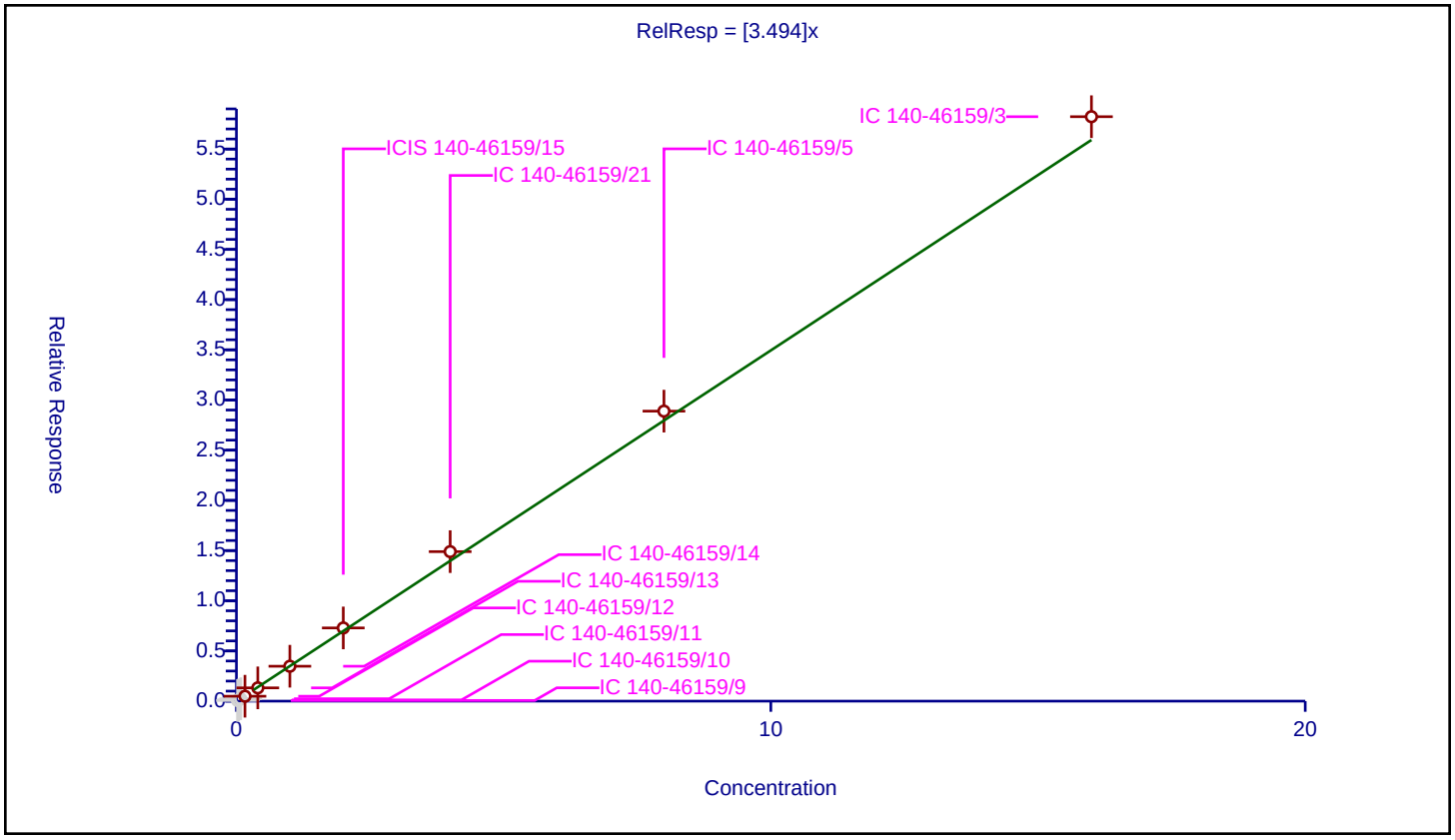
Curve Coefficients

Intercept:	0
Slope:	3.494

Error Coefficients

Standard Error:	1200000
Relative Standard Error:	6.8
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.068389	4.8	221438.0	3.419467	N
2	IC 140-46159/10	0.04	0.121979	4.8	223160.0	3.049471	N
3	IC 140-46159/11	0.08	0.240236	4.8	223041.0	3.002946	N
4	IC 140-46159/12	0.16	0.48839	4.8	226668.0	3.052438	Y
5	IC 140-46159/13	0.4	1.323599	4.8	230778.0	3.308998	Y
6	IC 140-46159/14	1.0	3.476167	4.8	234751.0	3.476167	Y
7	ICIS 140-46159/15	2.0	7.292037	4.8	239538.0	3.646019	Y
8	IC 140-46159/21	4.0	14.894905	4.8	245846.0	3.723726	Y
9	IC 140-46159/5	8.0	28.891055	4.8	236693.0	3.611382	Y
10	IC 140-46159/3	16.0	58.222248	4.8	200216.0	3.63889	Y



Calibration / 1,1-Dichloroethane

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

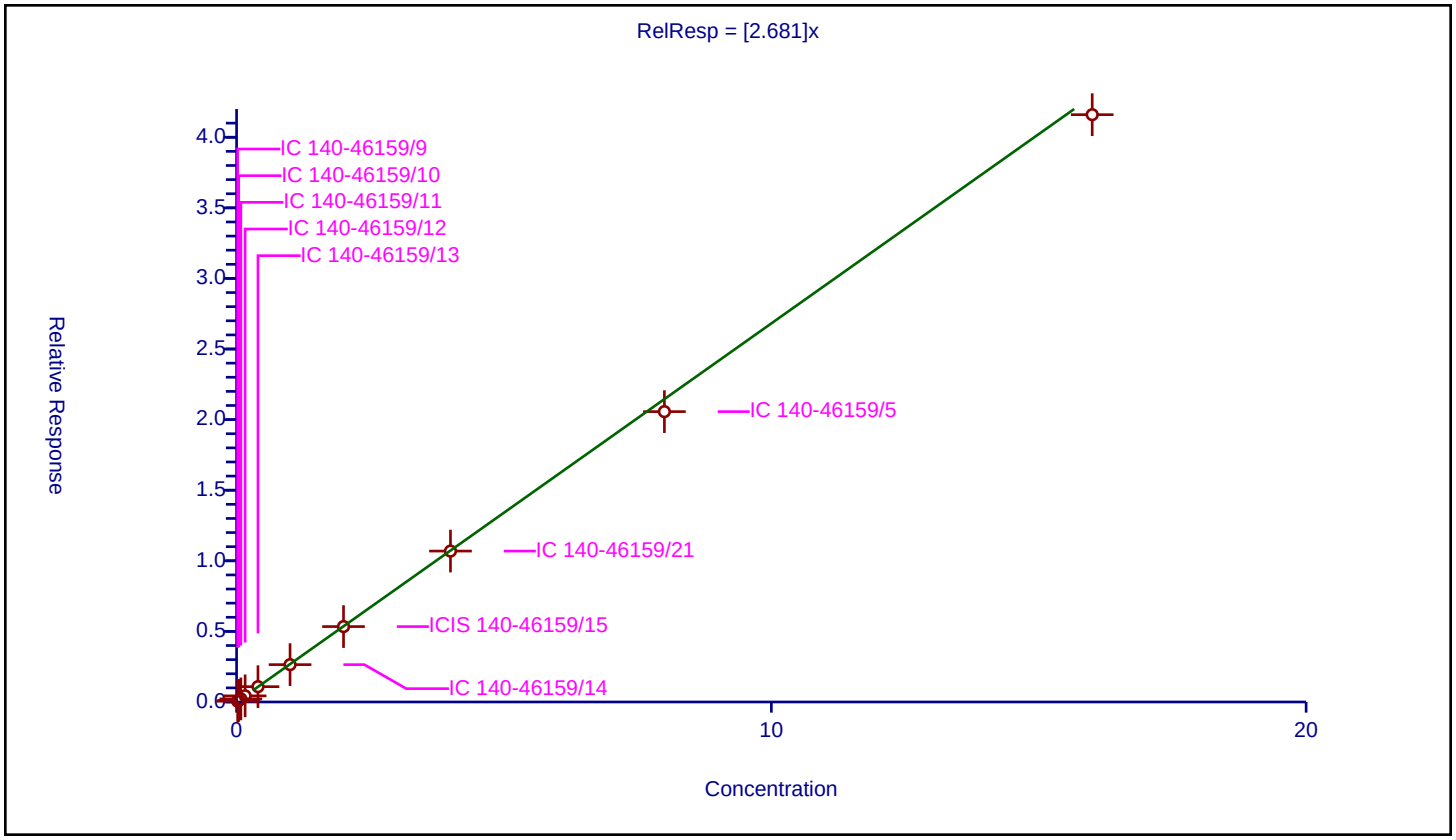
Curve Coefficients

Intercept:	0
Slope:	2.681

Error Coefficients

Standard Error:	702000
Relative Standard Error:	2.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.054972	4.8	221438.0	2.74858	Y
2	IC 140-46159/10	0.04	0.11045	4.8	223160.0	2.761248	Y
3	IC 140-46159/11	0.08	0.21766	4.8	223041.0	2.720755	Y
4	IC 140-46159/12	0.16	0.433967	4.8	226668.0	2.712293	Y
5	IC 140-46159/13	0.4	1.085282	4.8	230778.0	2.713205	Y
6	IC 140-46159/14	1.0	2.644886	4.8	234751.0	2.644886	Y
7	ICIS 140-46159/15	2.0	5.339979	4.8	239538.0	2.66999	Y
8	IC 140-46159/21	4.0	10.689052	4.8	245846.0	2.672263	Y
9	IC 140-46159/5	8.0	20.56511	4.8	236693.0	2.570639	Y
10	IC 140-46159/3	16.0	41.60016	4.8	200216.0	2.60001	Y



Calibration / Vinyl acetate

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

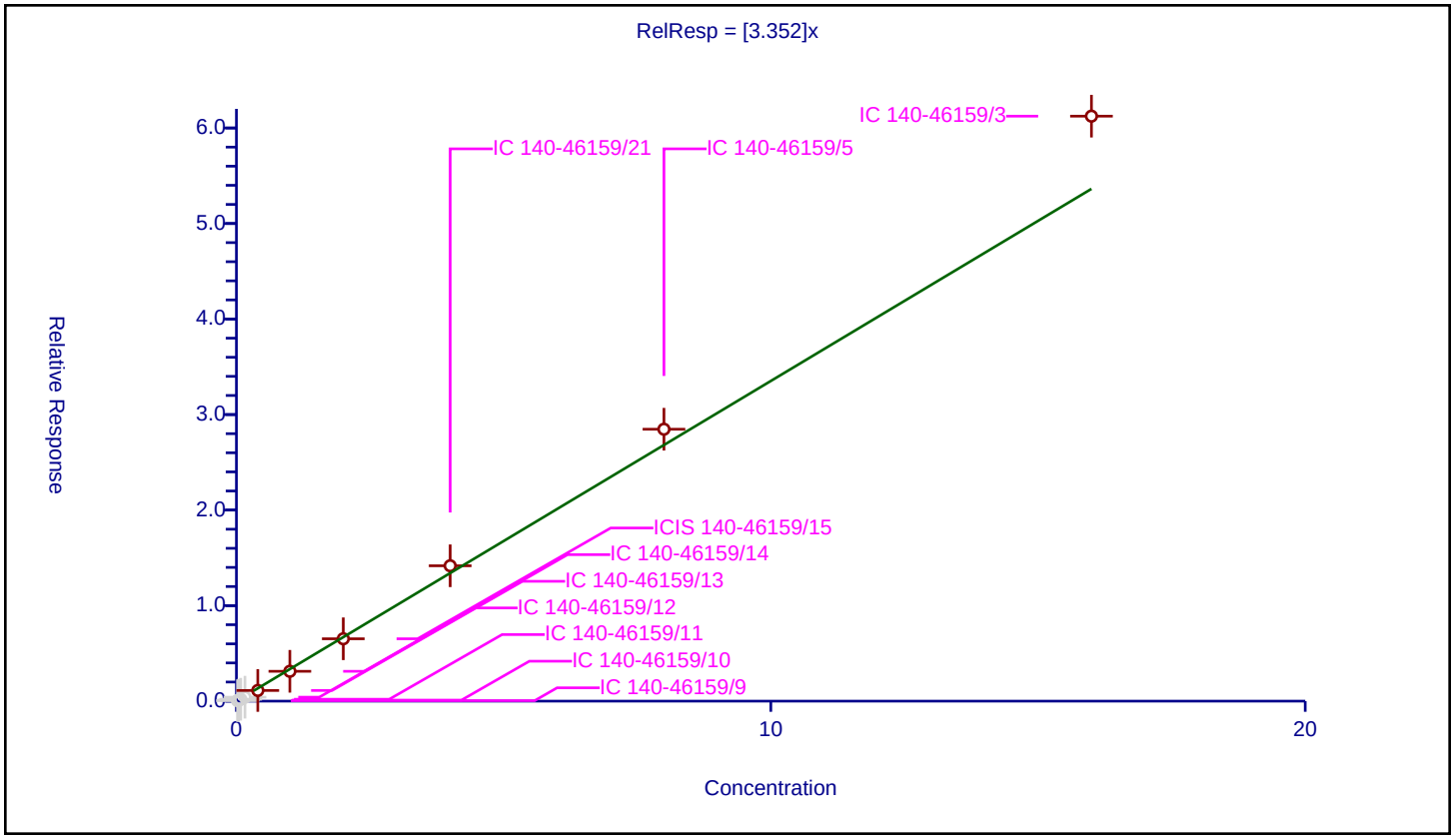
Curve Coefficients

Intercept:	0
Slope:	3.352

Error Coefficients

Standard Error:	1350000
Relative Standard Error:	11.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.052804	4.8	221438.0	2.640197	N
2	IC 140-46159/10	0.04	0.108191	4.8	223160.0	2.704786	N
3	IC 140-46159/11	0.08	0.20025	4.8	223041.0	2.503127	N
4	IC 140-46159/12	0.16	0.413087	4.8	226668.0	2.581794	N
5	IC 140-46159/13	0.4	1.117479	4.8	230778.0	2.793698	Y
6	IC 140-46159/14	1.0	3.12288	4.8	234751.0	3.12288	Y
7	ICIS 140-46159/15	2.0	6.52963	4.8	239538.0	3.264815	Y
8	IC 140-46159/21	4.0	14.171135	4.8	245846.0	3.542784	Y
9	IC 140-46159/5	8.0	28.465531	4.8	236693.0	3.558191	Y
10	IC 140-46159/3	16.0	61.239869	4.8	200216.0	3.827492	Y



Calibration / 2-Butanone (MEK)

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

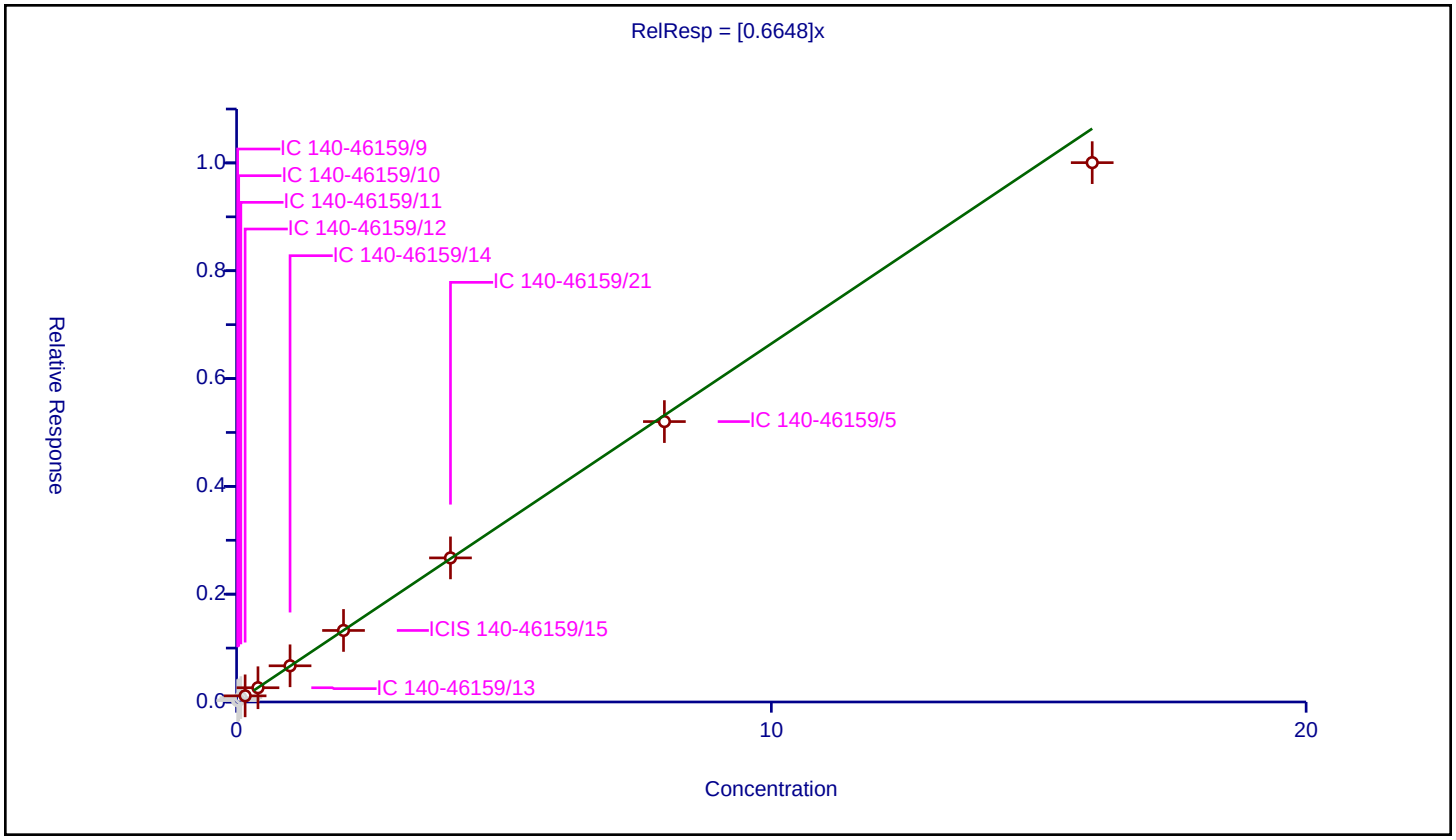
Curve Coefficients

Intercept:	0
Slope:	0.6648

Error Coefficients

Standard Error:	210000
Relative Standard Error:	4.0
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.025535	4.8	221438.0	1.276746	N
2	IC 140-46159/10	0.04	0.038308	4.8	223160.0	0.957699	N
3	IC 140-46159/11	0.08	0.08137	4.8	223041.0	1.017122	N
4	IC 140-46159/12	0.16	0.114246	4.8	226668.0	0.71404	Y
5	IC 140-46159/13	0.4	0.264212	4.8	230778.0	0.660531	Y
6	IC 140-46159/14	1.0	0.671384	4.8	234751.0	0.671384	Y
7	ICIS 140-46159/15	2.0	1.327075	4.8	239538.0	0.663537	Y
8	IC 140-46159/21	4.0	2.673049	4.8	245846.0	0.668262	Y
9	IC 140-46159/5	8.0	5.201654	4.8	236693.0	0.650207	Y
10	IC 140-46159/3	16.0	10.005138	4.8	200216.0	0.625321	Y



Calibration / Hexane

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

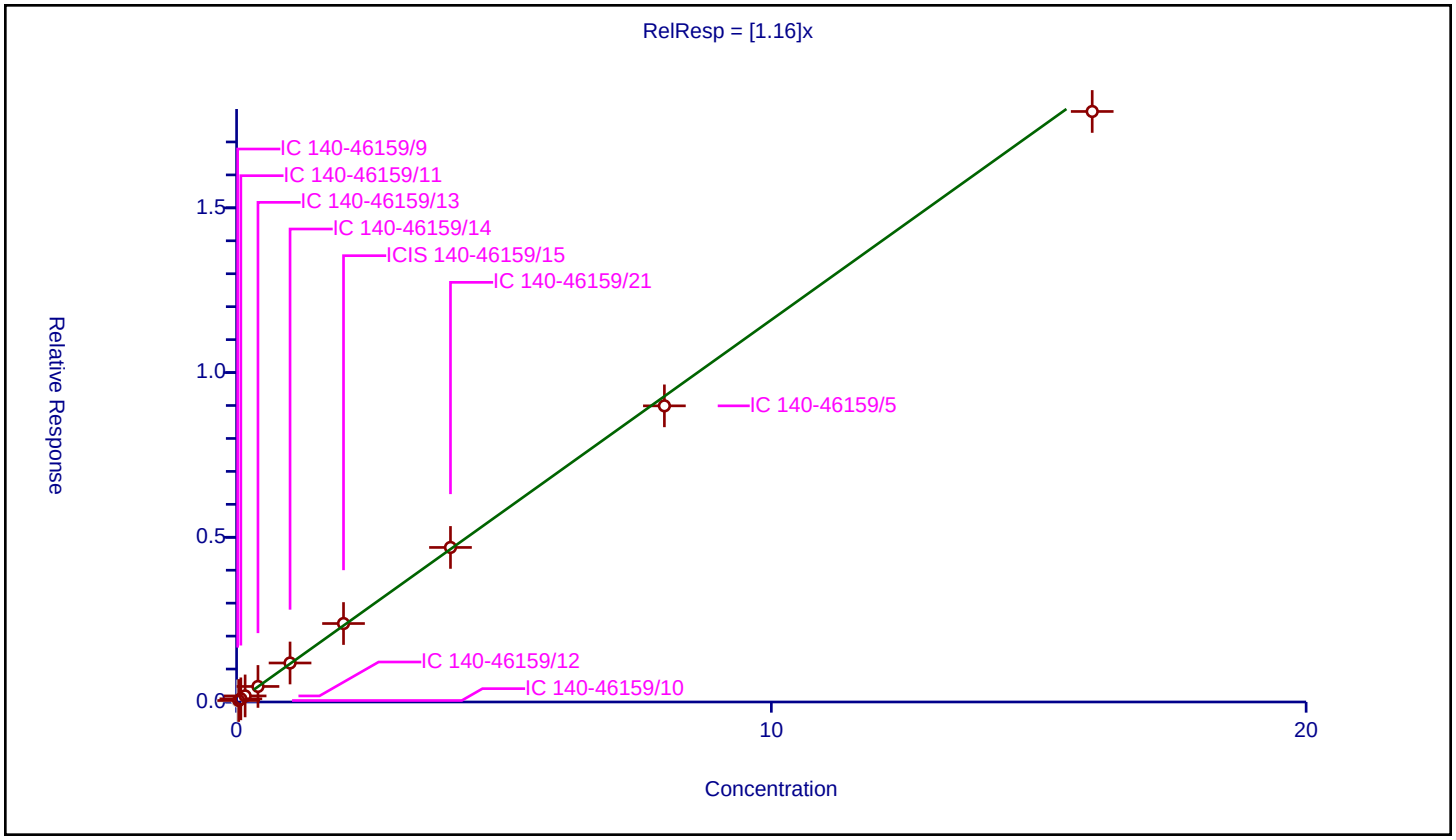
Curve Coefficients

Intercept:	0
Slope:	1.16

Error Coefficients

Standard Error:	322000
Relative Standard Error:	2.7
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.031713	4.8	221438.0	1.585636	N
2	IC 140-46159/10	0.04	0.044868	4.8	223160.0	1.121706	Y
3	IC 140-46159/11	0.08	0.09553	4.8	223041.0	1.19413	Y
4	IC 140-46159/12	0.16	0.184467	4.8	226668.0	1.15292	Y
5	IC 140-46159/13	0.4	0.471705	4.8	230778.0	1.179263	Y
6	IC 140-46159/14	1.0	1.183975	4.8	234751.0	1.183975	Y
7	ICIS 140-46159/15	2.0	2.381725	4.8	239538.0	1.190862	Y
8	IC 140-46159/21	4.0	4.691054	4.8	245846.0	1.172763	Y
9	IC 140-46159/5	8.0	8.989488	4.8	236693.0	1.123686	Y
10	IC 140-46159/3	16.0	17.925752	4.8	200216.0	1.12036	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

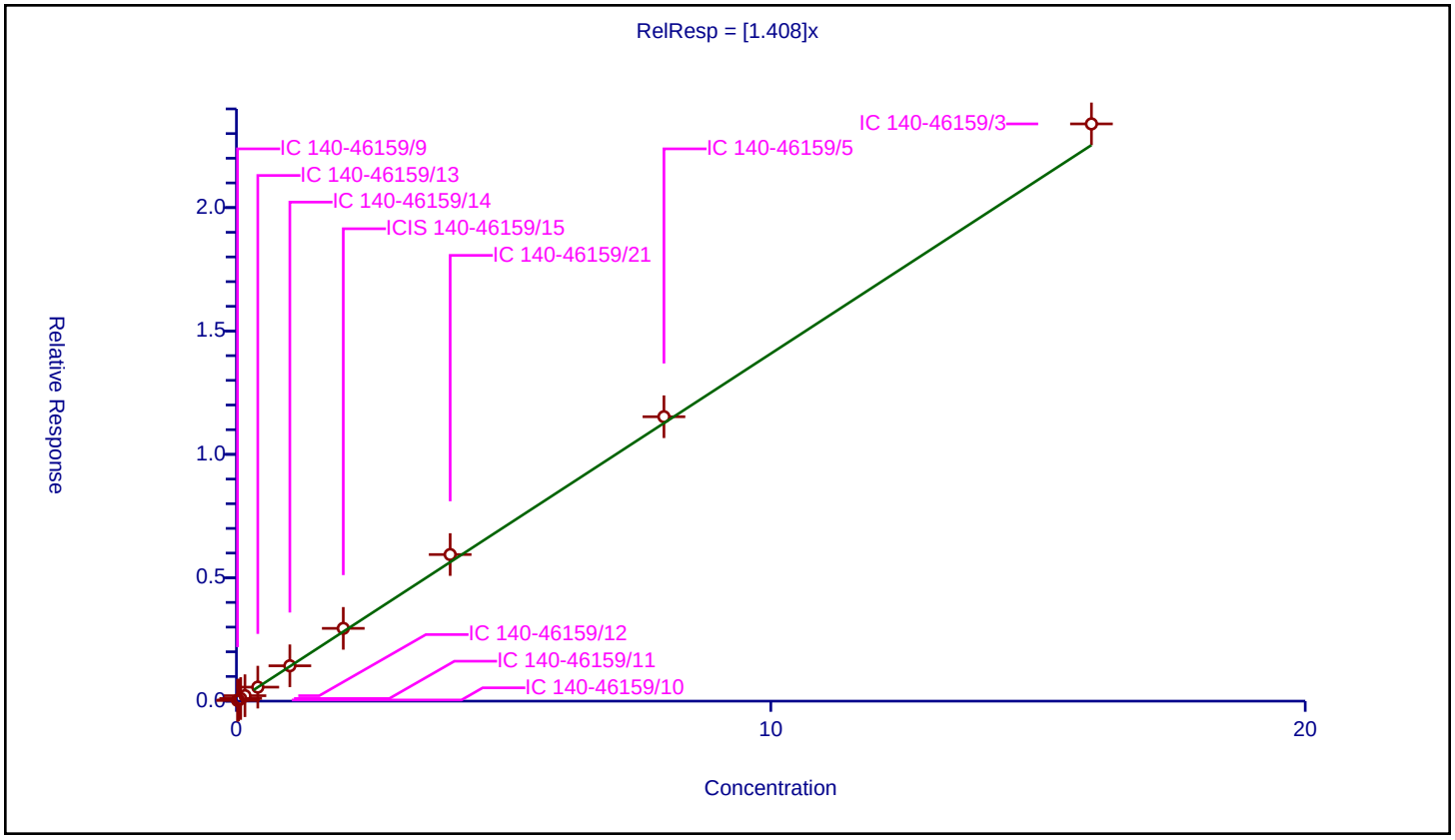
Curve Coefficients

Intercept:	0
Slope:	1.408

Error Coefficients

Standard Error:	394000
Relative Standard Error:	6.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.029458	4.8	221438.0	1.472918	Y
2	IC 140-46159/10	0.04	0.04732	4.8	223160.0	1.183008	Y
3	IC 140-46159/11	0.08	0.106764	4.8	223041.0	1.334553	Y
4	IC 140-46159/12	0.16	0.220827	4.8	226668.0	1.380168	Y
5	IC 140-46159/13	0.4	0.566674	4.8	230778.0	1.416686	Y
6	IC 140-46159/14	1.0	1.432919	4.8	234751.0	1.432919	Y
7	ICIS 140-46159/15	2.0	2.949117	4.8	239538.0	1.474559	Y
8	IC 140-46159/21	4.0	5.940929	4.8	245846.0	1.485232	Y
9	IC 140-46159/5	8.0	11.52539	4.8	236693.0	1.440674	Y
10	IC 140-46159/3	16.0	23.392376	4.8	200216.0	1.462024	Y



Calibration / Ethyl acetate

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

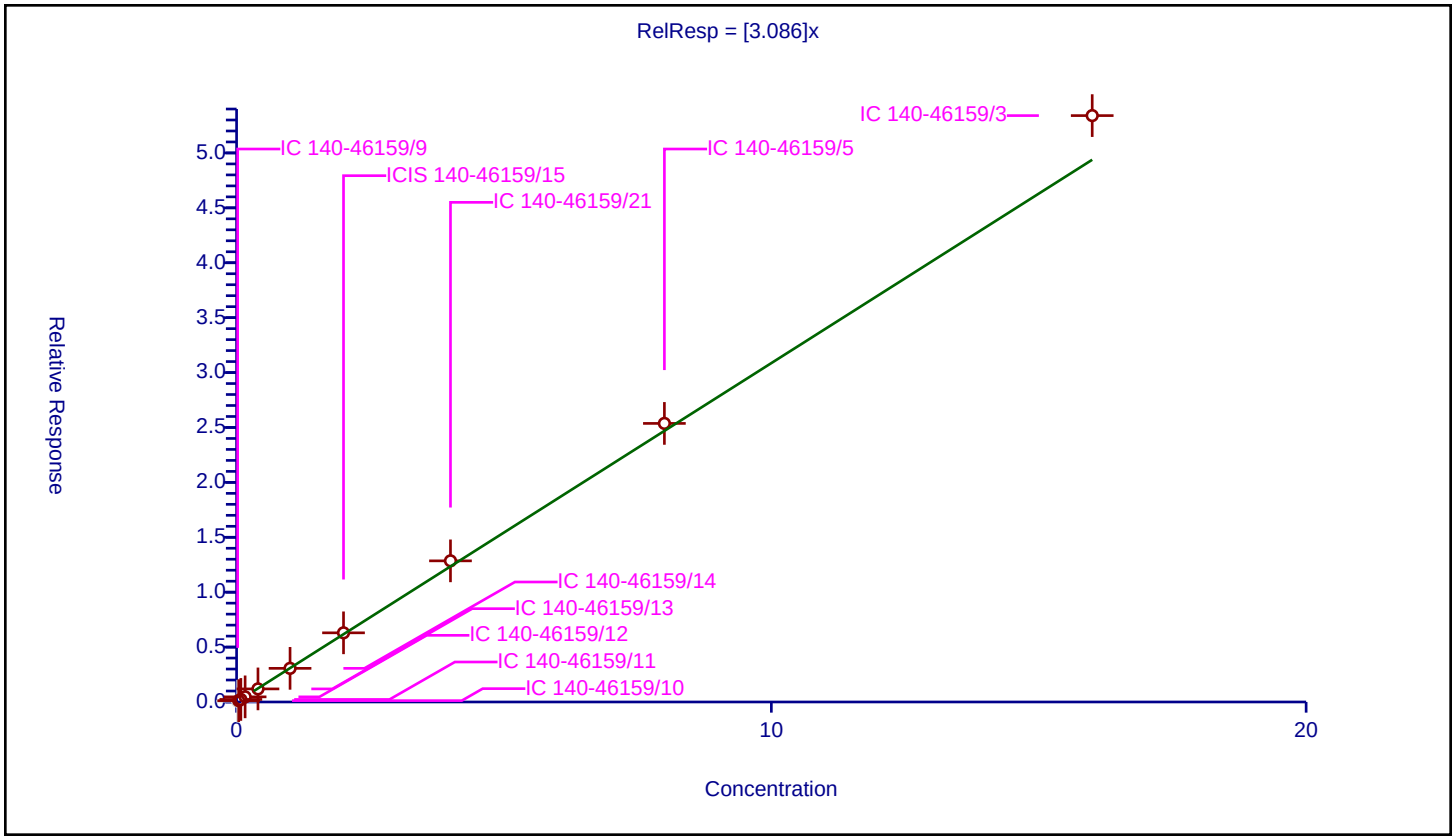
Curve Coefficients

Intercept:	0
Slope:	3.086

Error Coefficients

Standard Error:	941000
Relative Standard Error:	4.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.070925	4.8	221438.0	3.546275	N
2	IC 140-46159/10	0.04	0.121871	4.8	223160.0	3.046783	Y
3	IC 140-46159/11	0.08	0.231262	4.8	223041.0	2.890769	Y
4	IC 140-46159/12	0.16	0.468251	4.8	226668.0	2.926571	Y
5	IC 140-46159/13	0.4	1.190609	4.8	230778.0	2.976523	Y
6	IC 140-46159/14	1.0	3.064462	4.8	234751.0	3.064462	Y
7	ICIS 140-46159/15	2.0	6.297242	4.8	239538.0	3.148621	Y
8	IC 140-46159/21	4.0	12.851557	4.8	245846.0	3.212889	Y
9	IC 140-46159/5	8.0	25.369227	4.8	236693.0	3.171153	Y
10	IC 140-46159/3	16.0	53.399041	4.8	200216.0	3.33744	Y



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

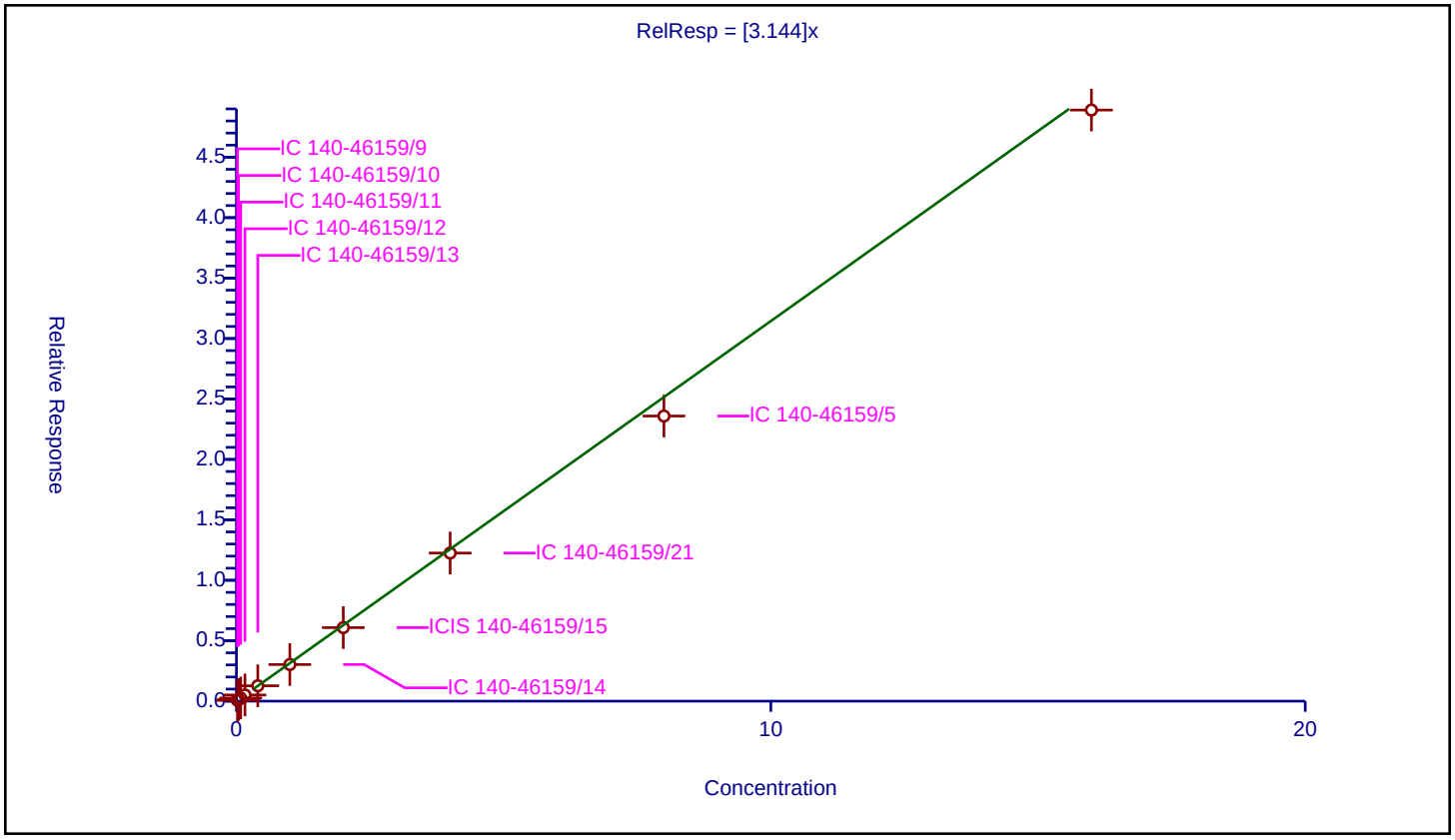
Curve Coefficients

Intercept:	0
Slope:	3.144

Error Coefficients

Standard Error:	818000
Relative Standard Error:	4.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.065181	4.8	221438.0	3.259061	Y
2	IC 140-46159/10	0.04	0.136218	4.8	223160.0	3.405449	Y
3	IC 140-46159/11	0.08	0.261089	4.8	223041.0	3.263615	Y
4	IC 140-46159/12	0.16	0.511599	4.8	226668.0	3.197496	Y
5	IC 140-46159/13	0.4	1.270894	4.8	230778.0	3.177235	Y
6	IC 140-46159/14	1.0	3.03099	4.8	234751.0	3.03099	Y
7	ICIS 140-46159/15	2.0	6.083731	4.8	239538.0	3.041866	Y
8	IC 140-46159/21	4.0	12.253739	4.8	245846.0	3.063435	Y
9	IC 140-46159/5	8.0	23.587395	4.8	236693.0	2.948424	Y
10	IC 140-46159/3	16.0	48.902817	4.8	200216.0	3.056426	Y



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

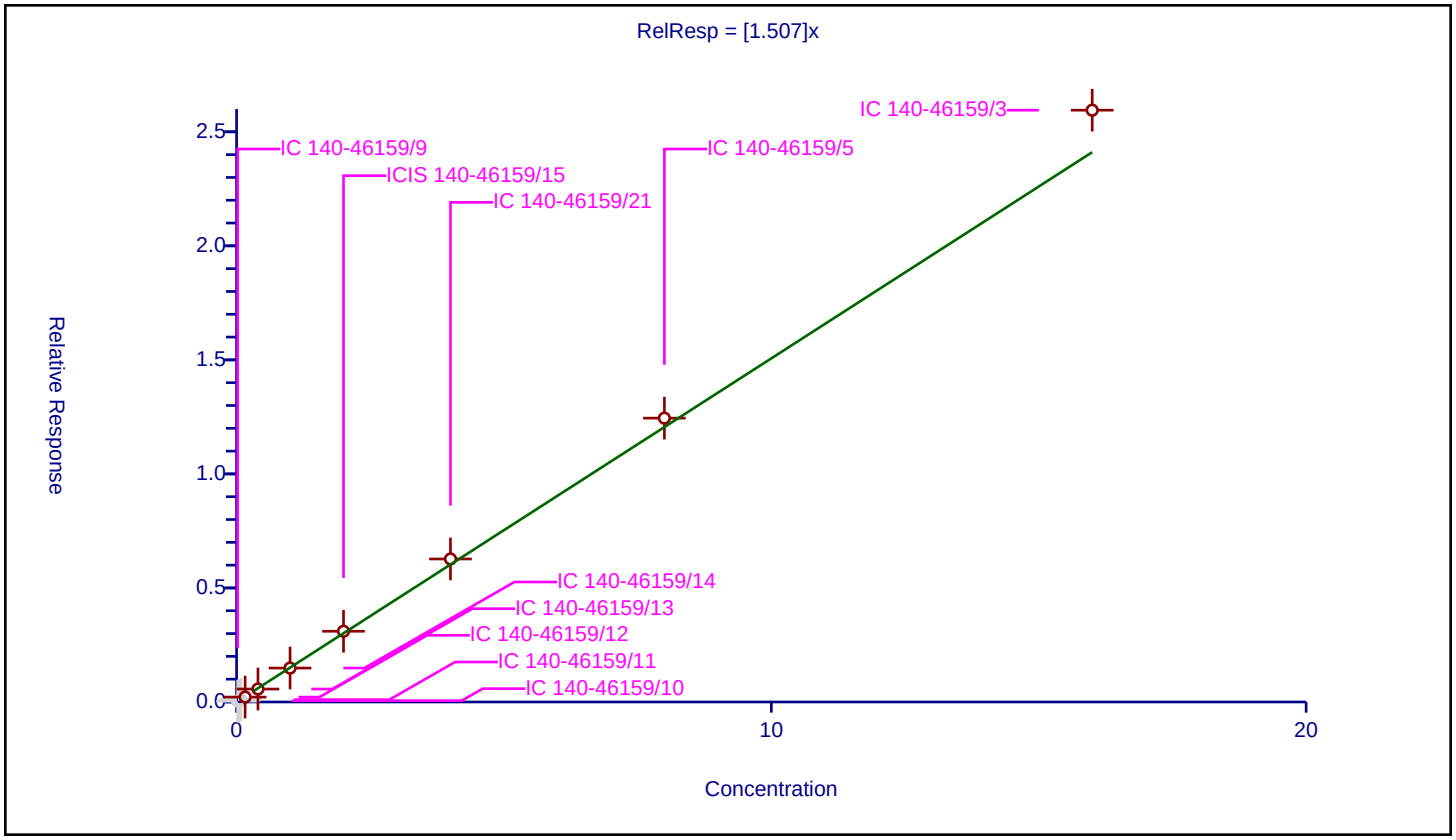
Curve Coefficients

Intercept:	0
Slope:	1.507

Error Coefficients

Standard Error:	529000
Relative Standard Error:	6.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.034184	4.8	221438.0	1.709192	N
2	IC 140-46159/10	0.04	0.058849	4.8	223160.0	1.471231	N
3	IC 140-46159/11	0.08	0.105172	4.8	223041.0	1.314646	N
4	IC 140-46159/12	0.16	0.214919	4.8	226668.0	1.343242	Y
5	IC 140-46159/13	0.4	0.567798	4.8	230778.0	1.419494	Y
6	IC 140-46159/14	1.0	1.487799	4.8	234751.0	1.487799	Y
7	ICIS 140-46159/15	2.0	3.101751	4.8	239538.0	1.550875	Y
8	IC 140-46159/21	4.0	6.270501	4.8	245846.0	1.567625	Y
9	IC 140-46159/5	8.0	12.446462	4.8	236693.0	1.555808	Y
10	IC 140-46159/3	16.0	25.948328	4.8	200216.0	1.62177	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

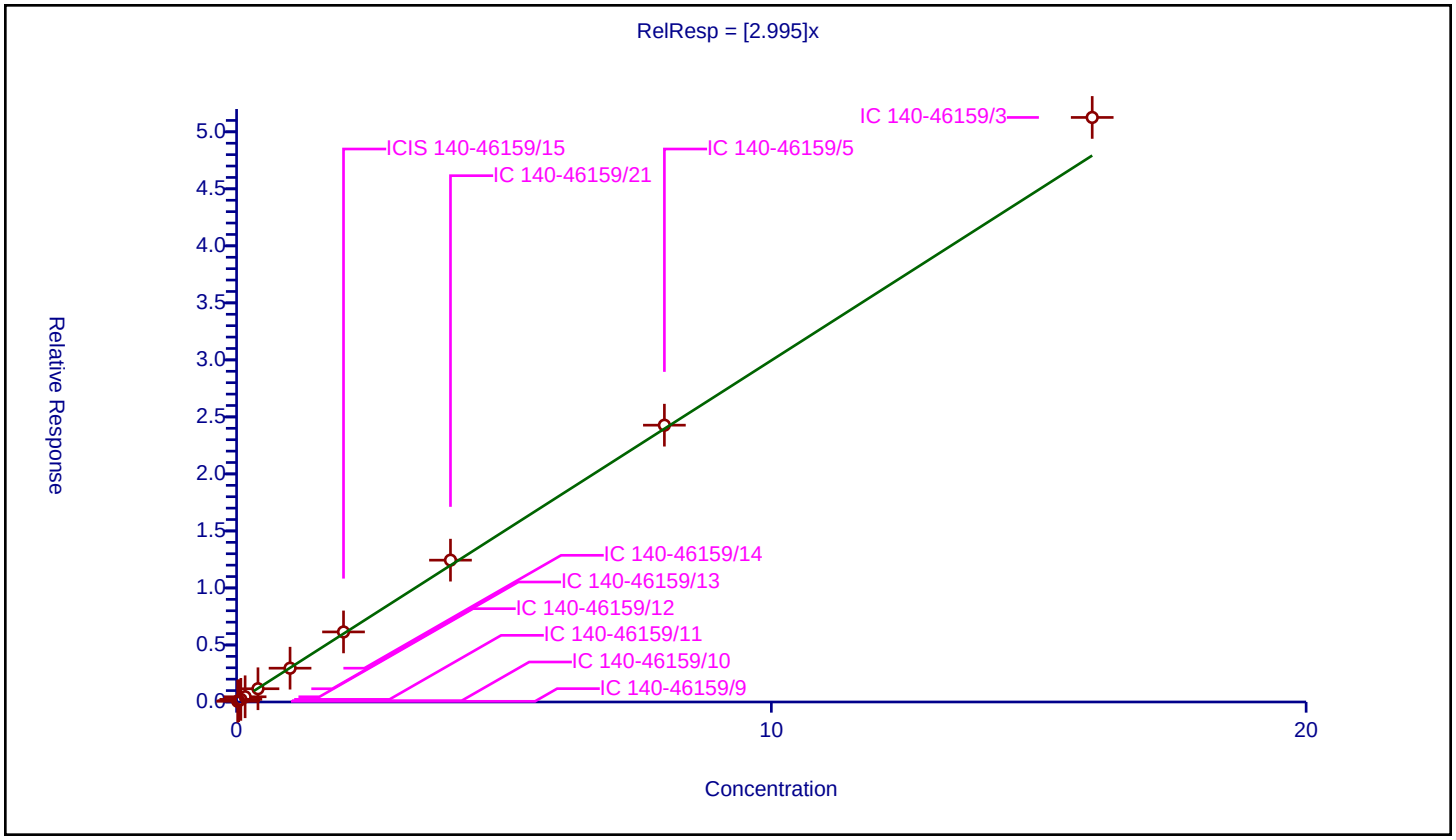
Curve Coefficients

Intercept:	0
Slope:	2.995

Error Coefficients

Standard Error:	852000
Relative Standard Error:	3.7
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.059892	4.8	221438.0	2.994608	Y
2	IC 140-46159/10	0.04	0.116989	4.8	223160.0	2.924718	Y
3	IC 140-46159/11	0.08	0.231132	4.8	223041.0	2.889155	Y
4	IC 140-46159/12	0.16	0.456816	4.8	226668.0	2.855101	Y
5	IC 140-46159/13	0.4	1.161407	4.8	230778.0	2.903518	Y
6	IC 140-46159/14	1.0	2.964925	4.8	234751.0	2.964925	Y
7	ICIS 140-46159/15	2.0	6.143226	4.8	239538.0	3.071613	Y
8	IC 140-46159/21	4.0	12.436605	4.8	245846.0	3.109151	Y
9	IC 140-46159/5	8.0	24.27359	4.8	236693.0	3.034199	Y
10	IC 140-46159/3	16.0	51.260095	4.8	200216.0	3.203756	Y



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

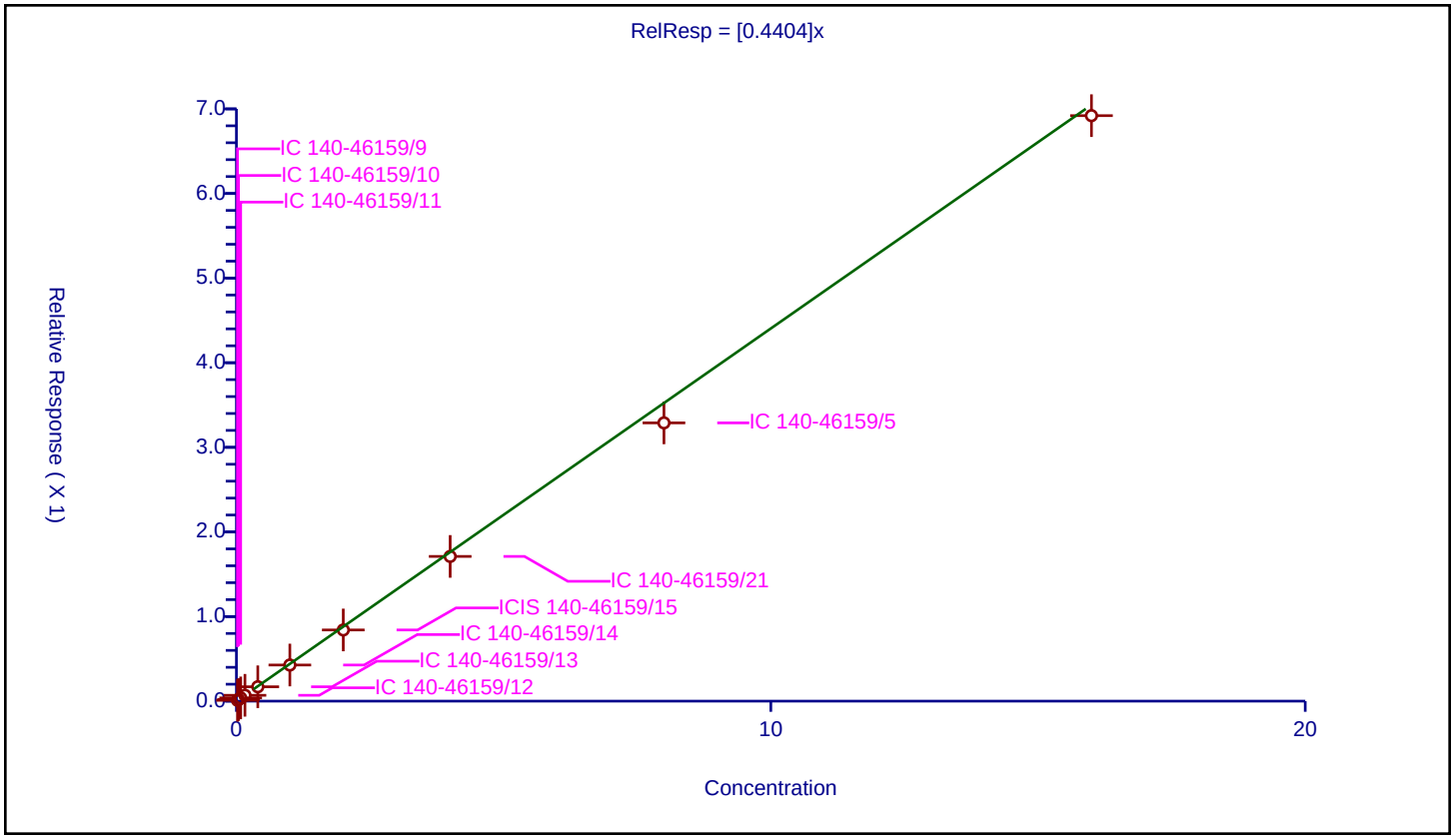
Curve Coefficients

Intercept:	0
Slope:	0.4404

Error Coefficients

Standard Error:	567000
Relative Standard Error:	5.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.009651	4.8	1060865.0	0.48255	Y
2	IC 140-46159/10	0.04	0.018683	4.8	1051585.0	0.467066	Y
3	IC 140-46159/11	0.08	0.038398	4.8	1046685.0	0.479972	Y
4	IC 140-46159/12	0.16	0.068964	4.8	1086338.0	0.431026	Y
5	IC 140-46159/13	0.4	0.169877	4.8	1102565.0	0.424693	Y
6	IC 140-46159/14	1.0	0.427168	4.8	1123781.0	0.427168	Y
7	ICIS 140-46159/15	2.0	0.84142	4.8	1156240.0	0.42071	Y
8	IC 140-46159/21	4.0	1.710373	4.8	1185013.0	0.427593	Y
9	IC 140-46159/5	8.0	3.288791	4.8	1155662.0	0.411099	Y
10	IC 140-46159/3	16.0	6.919946	4.8	990614.0	0.432497	Y



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

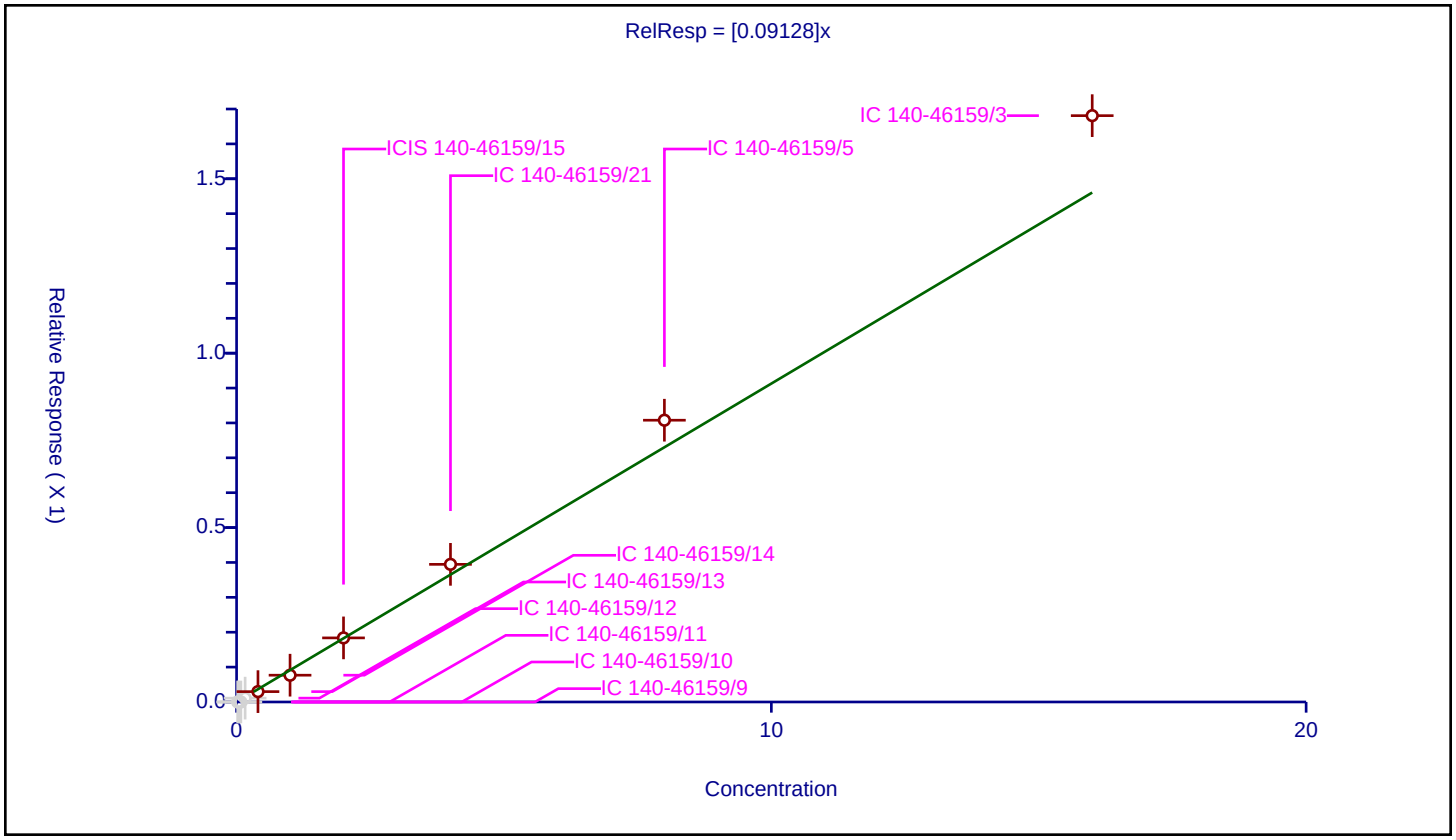
Curve Coefficients

Intercept:	0
Slope:	0.09128

Error Coefficients

Standard Error:	184000
Relative Standard Error:	14.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.0	4.8	1060865.0	0.0	N
2	IC 140-46159/10	0.04	0.0	4.8	1051585.0	0.0	N
3	IC 140-46159/11	0.08	0.0	4.8	1046685.0	0.0	N
4	IC 140-46159/12	0.16	0.011051	4.8	1086338.0	0.069067	N
5	IC 140-46159/13	0.4	0.029734	4.8	1102565.0	0.074336	Y
6	IC 140-46159/14	1.0	0.076798	4.8	1123781.0	0.076798	Y
7	ICIS 140-46159/15	2.0	0.18372	4.8	1156240.0	0.09186	Y
8	IC 140-46159/21	4.0	0.39462	4.8	1185013.0	0.098655	Y
9	IC 140-46159/5	8.0	0.807849	4.8	1155662.0	0.100981	Y
10	IC 140-46159/3	16.0	1.680926	4.8	990614.0	0.105058	Y



Calibration / Cyclohexane

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

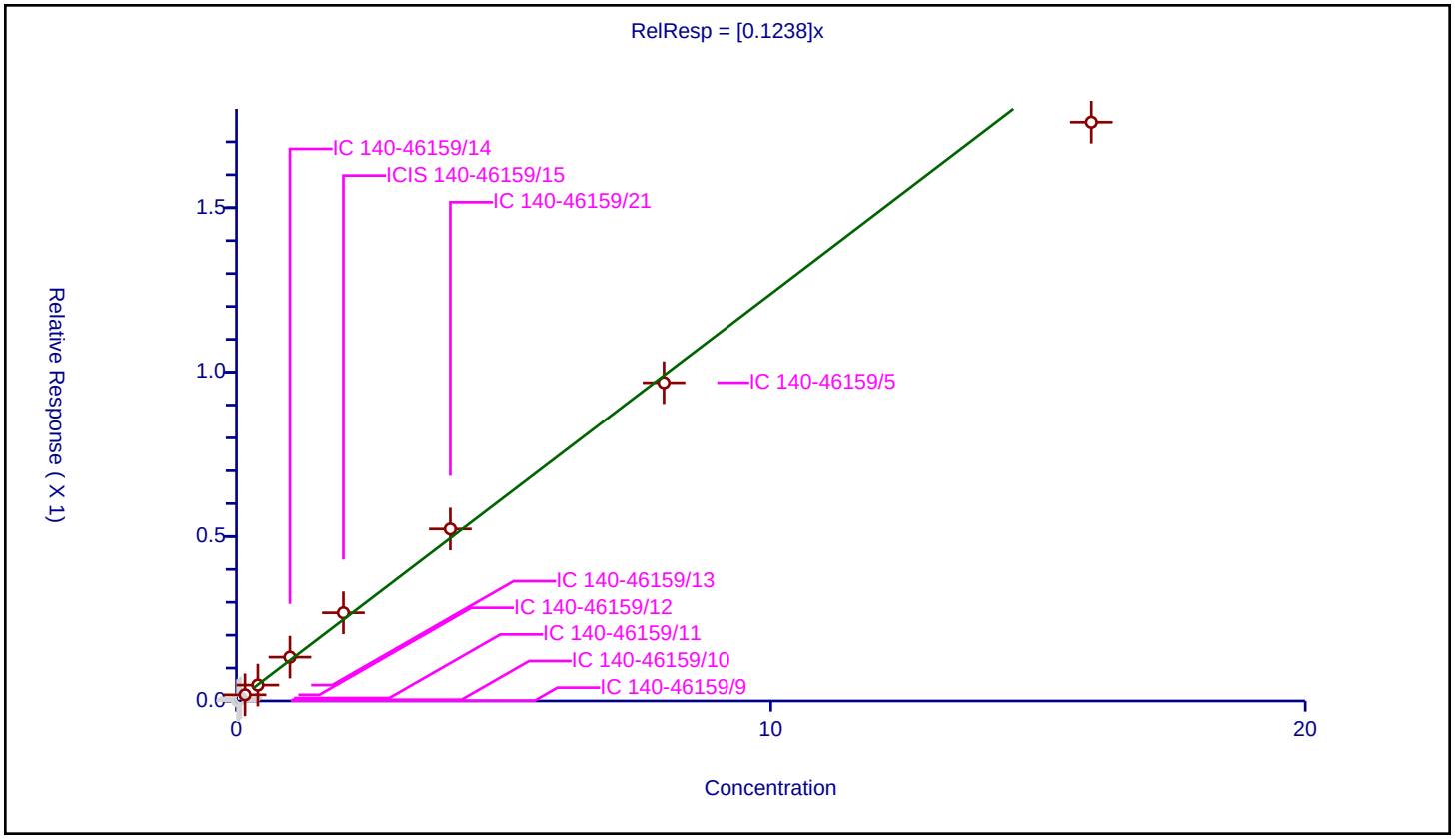
Curve Coefficients

Intercept:	0
Slope:	0.1238

Error Coefficients

Standard Error:	186000
Relative Standard Error:	7.4
Correlation Coefficient:	0.977
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.000955	4.8	1060865.0	0.047735	N
2	IC 140-46159/10	0.04	0.003898	4.8	1051585.0	0.097453	N
3	IC 140-46159/11	0.08	0.00908	4.8	1046685.0	0.113501	N
4	IC 140-46159/12	0.16	0.018673	4.8	1086338.0	0.116704	Y
5	IC 140-46159/13	0.4	0.048263	4.8	1102565.0	0.120657	Y
6	IC 140-46159/14	1.0	0.13326	4.8	1123781.0	0.13326	Y
7	ICIS 140-46159/15	2.0	0.268229	4.8	1156240.0	0.134115	Y
8	IC 140-46159/21	4.0	0.52289	4.8	1185013.0	0.130723	Y
9	IC 140-46159/5	8.0	0.968023	4.8	1155662.0	0.121003	Y
10	IC 140-46159/3	16.0	1.759684	4.8	990614.0	0.10998	Y



Calibration / Benzene

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

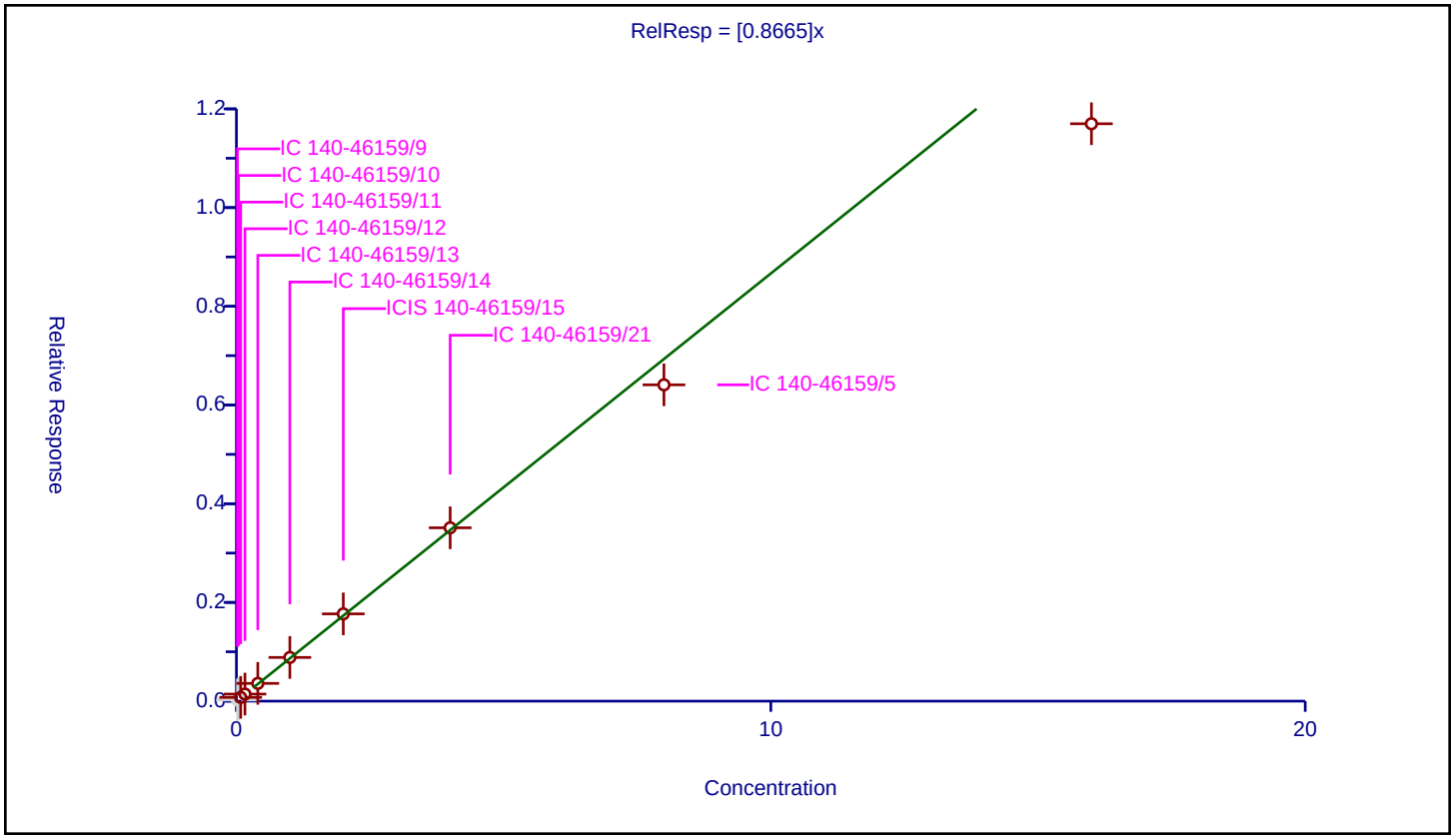
Curve Coefficients

Intercept:	0
Slope:	0.8665

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	8.0
Correlation Coefficient:	0.978
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.022763	4.8	1060865.0	1.138166	N
2	IC 140-46159/10	0.04	0.042213	4.8	1051585.0	1.055321	N
3	IC 140-46159/11	0.08	0.076626	4.8	1046685.0	0.957824	Y
4	IC 140-46159/12	0.16	0.143191	4.8	1086338.0	0.894942	Y
5	IC 140-46159/13	0.4	0.359641	4.8	1102565.0	0.899103	Y
6	IC 140-46159/14	1.0	0.885435	4.8	1123781.0	0.885435	Y
7	ICIS 140-46159/15	2.0	1.768059	4.8	1156240.0	0.88403	Y
8	IC 140-46159/21	4.0	3.512103	4.8	1185013.0	0.878026	Y
9	IC 140-46159/5	8.0	6.408989	4.8	1155662.0	0.801124	Y
10	IC 140-46159/3	16.0	11.698868	4.8	990614.0	0.731179	Y



Calibration / Carbon tetrachloride

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

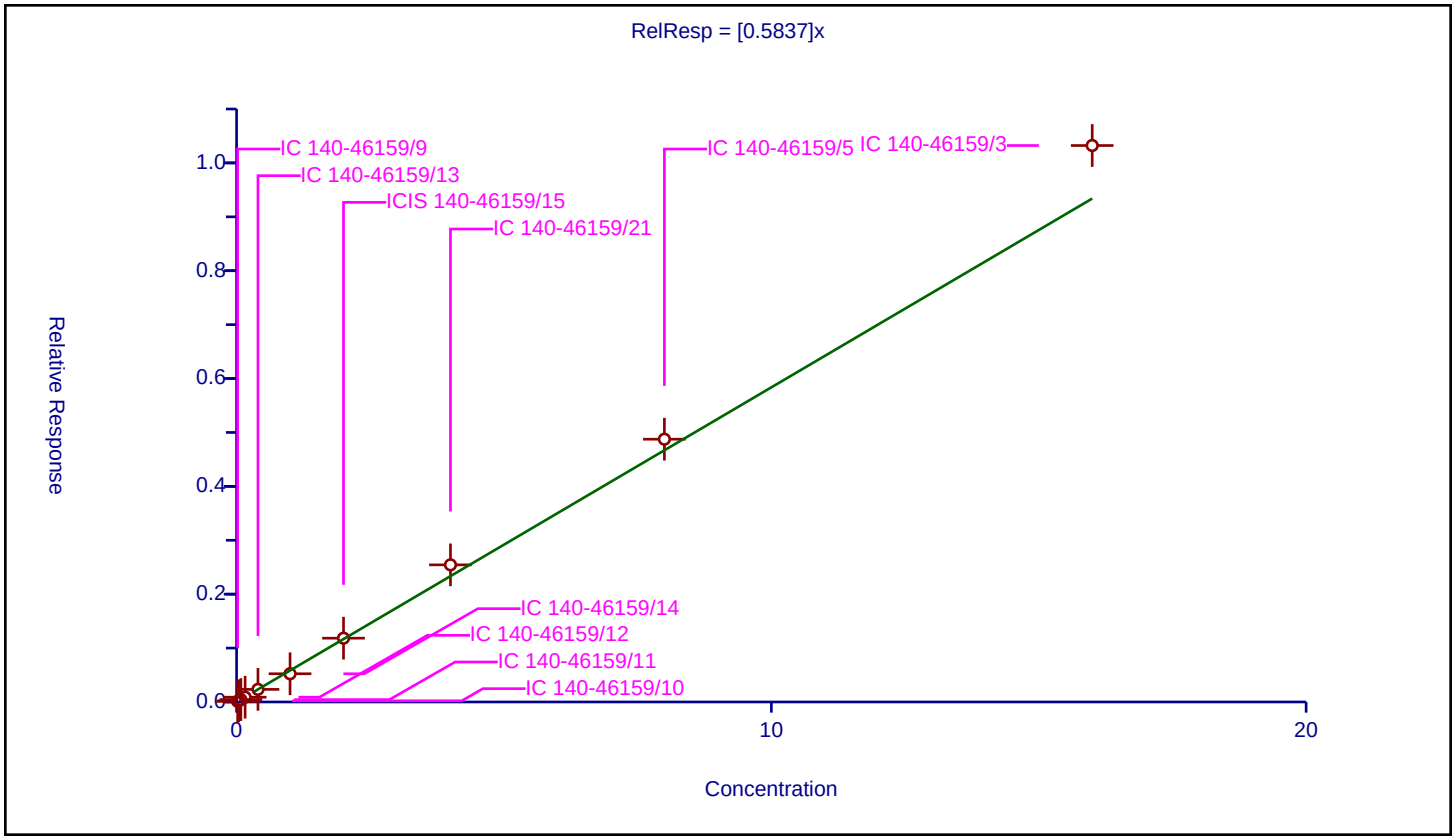
Curve Coefficients

Intercept:	0
Slope:	0.5837

Error Coefficients

Standard Error:	844000
Relative Standard Error:	6.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.011683	4.8	1060865.0	0.584127	Y
2	IC 140-46159/10	0.04	0.022143	4.8	1051585.0	0.553564	Y
3	IC 140-46159/11	0.08	0.044204	4.8	1046685.0	0.552544	Y
4	IC 140-46159/12	0.16	0.088914	4.8	1086338.0	0.555711	Y
5	IC 140-46159/13	0.4	0.2338	4.8	1102565.0	0.584499	Y
6	IC 140-46159/14	1.0	0.52384	4.8	1123781.0	0.52384	Y
7	ICIS 140-46159/15	2.0	1.183386	4.8	1156240.0	0.591693	Y
8	IC 140-46159/21	4.0	2.543996	4.8	1185013.0	0.635999	Y
9	IC 140-46159/5	8.0	4.874845	4.8	1155662.0	0.609356	Y
10	IC 140-46159/3	16.0	10.322979	4.8	990614.0	0.645186	Y



Calibration / 2,3-Dimethylpentane

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

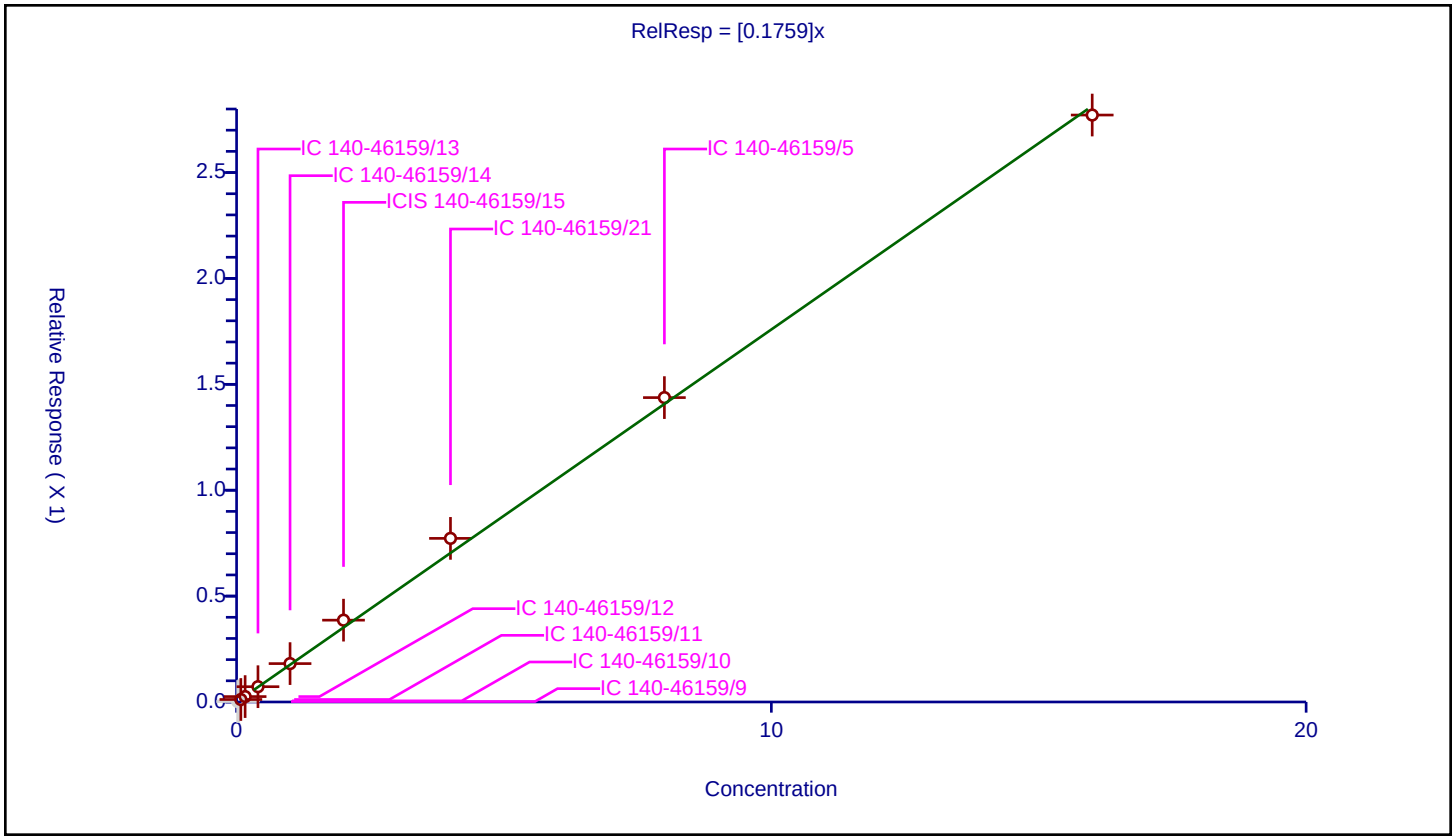
Curve Coefficients

Intercept:	0
Slope:	0.1759

Error Coefficients

Standard Error:	266000
Relative Standard Error:	9.1
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.002258	4.8	1060865.0	0.112889	N
2	IC 140-46159/10	0.04	0.005299	4.8	1051585.0	0.132486	N
3	IC 140-46159/11	0.08	0.011749	4.8	1046685.0	0.146864	Y
4	IC 140-46159/12	0.16	0.025477	4.8	1086338.0	0.159232	Y
5	IC 140-46159/13	0.4	0.072216	4.8	1102565.0	0.180539	Y
6	IC 140-46159/14	1.0	0.181269	4.8	1123781.0	0.181269	Y
7	ICIS 140-46159/15	2.0	0.38637	4.8	1156240.0	0.193185	Y
8	IC 140-46159/21	4.0	0.772638	4.8	1185013.0	0.193159	Y
9	IC 140-46159/5	8.0	1.43731	4.8	1155662.0	0.179664	Y
10	IC 140-46159/3	16.0	2.771493	4.8	990614.0	0.173218	Y



Calibration / Thiophene

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

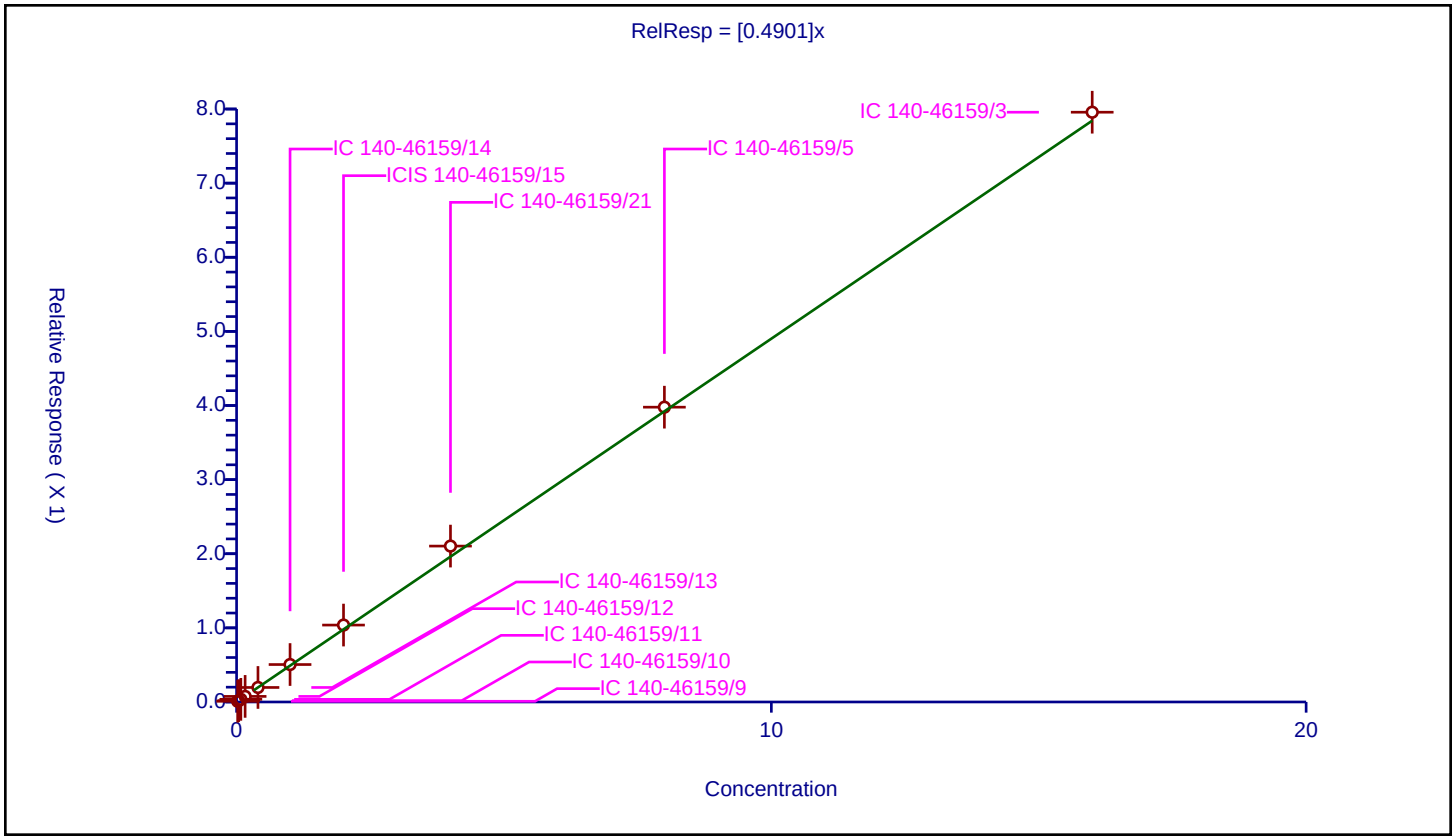
Curve Coefficients

Intercept:	0
Slope:	0.4901

Error Coefficients

Standard Error:	663000
Relative Standard Error:	4.9
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.009678	4.8	1060865.0	0.483907	Y
2	IC 140-46159/10	0.04	0.0186	4.8	1051585.0	0.465012	Y
3	IC 140-46159/11	0.08	0.03583	4.8	1046685.0	0.447871	Y
4	IC 140-46159/12	0.16	0.075247	4.8	1086338.0	0.470296	Y
5	IC 140-46159/13	0.4	0.195876	4.8	1102565.0	0.489691	Y
6	IC 140-46159/14	1.0	0.505435	4.8	1123781.0	0.505435	Y
7	ICIS 140-46159/15	2.0	1.037884	4.8	1156240.0	0.518942	Y
8	IC 140-46159/21	4.0	2.103353	4.8	1185013.0	0.525838	Y
9	IC 140-46159/5	8.0	3.977274	4.8	1155662.0	0.497159	Y
10	IC 140-46159/3	16.0	7.956738	4.8	990614.0	0.497296	Y



Calibration / Isooctane

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

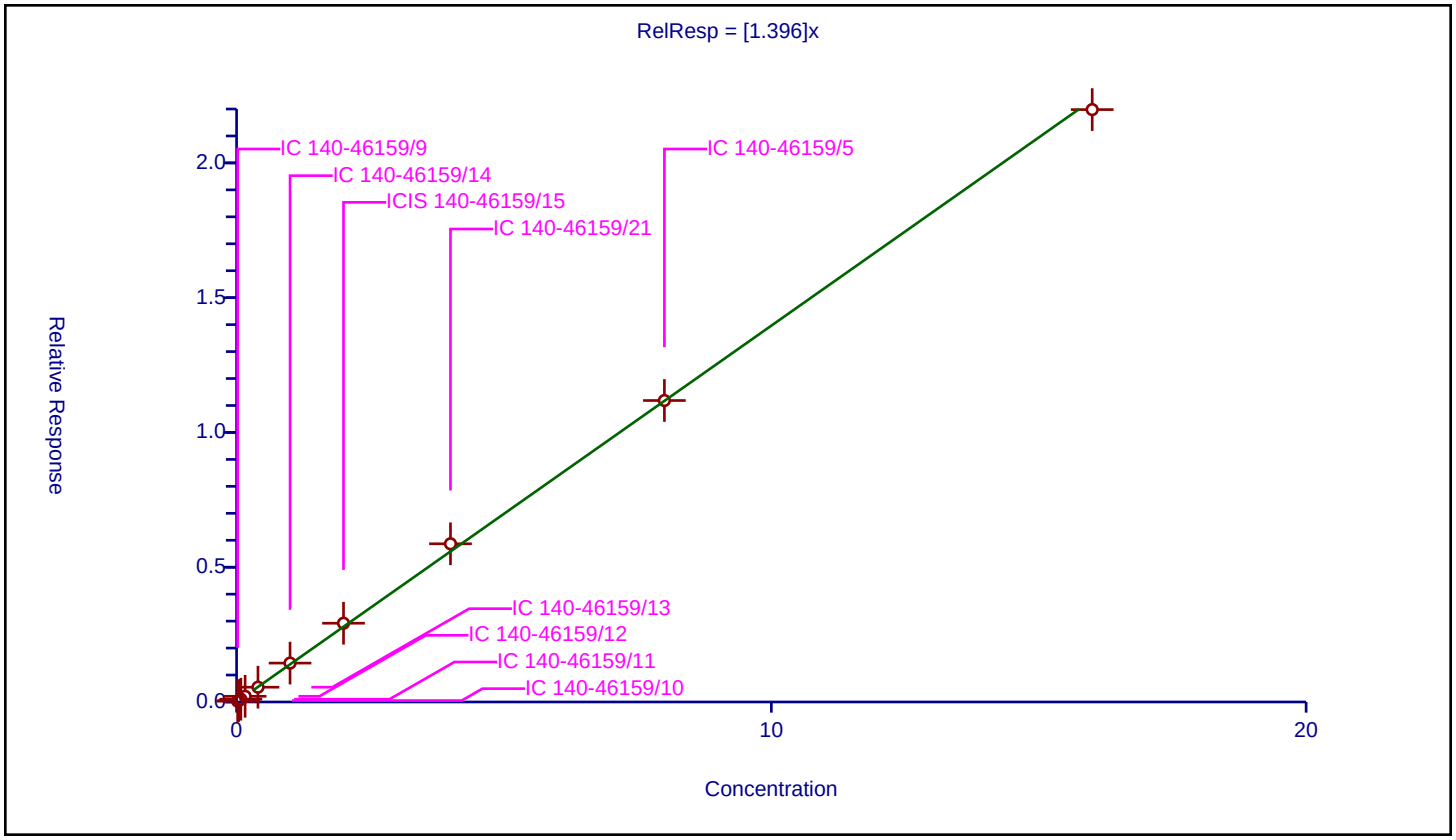
Curve Coefficients

Intercept:	0
Slope:	1.396

Error Coefficients

Standard Error:	1840000
Relative Standard Error:	4.6
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.029546	4.8	1060865.0	1.477285	Y
2	IC 140-46159/10	0.04	0.054355	4.8	1051585.0	1.358863	Y
3	IC 140-46159/11	0.08	0.103408	4.8	1046685.0	1.292595	Y
4	IC 140-46159/12	0.16	0.210988	4.8	1086338.0	1.318678	Y
5	IC 140-46159/13	0.4	0.548561	4.8	1102565.0	1.371402	Y
6	IC 140-46159/14	1.0	1.442929	4.8	1123781.0	1.442929	Y
7	ICIS 140-46159/15	2.0	2.922265	4.8	1156240.0	1.461133	Y
8	IC 140-46159/21	4.0	5.869708	4.8	1185013.0	1.467427	Y
9	IC 140-46159/5	8.0	11.184787	4.8	1155662.0	1.398098	Y
10	IC 140-46159/3	16.0	21.978219	4.8	990614.0	1.373639	Y



Calibration / n-Heptane

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

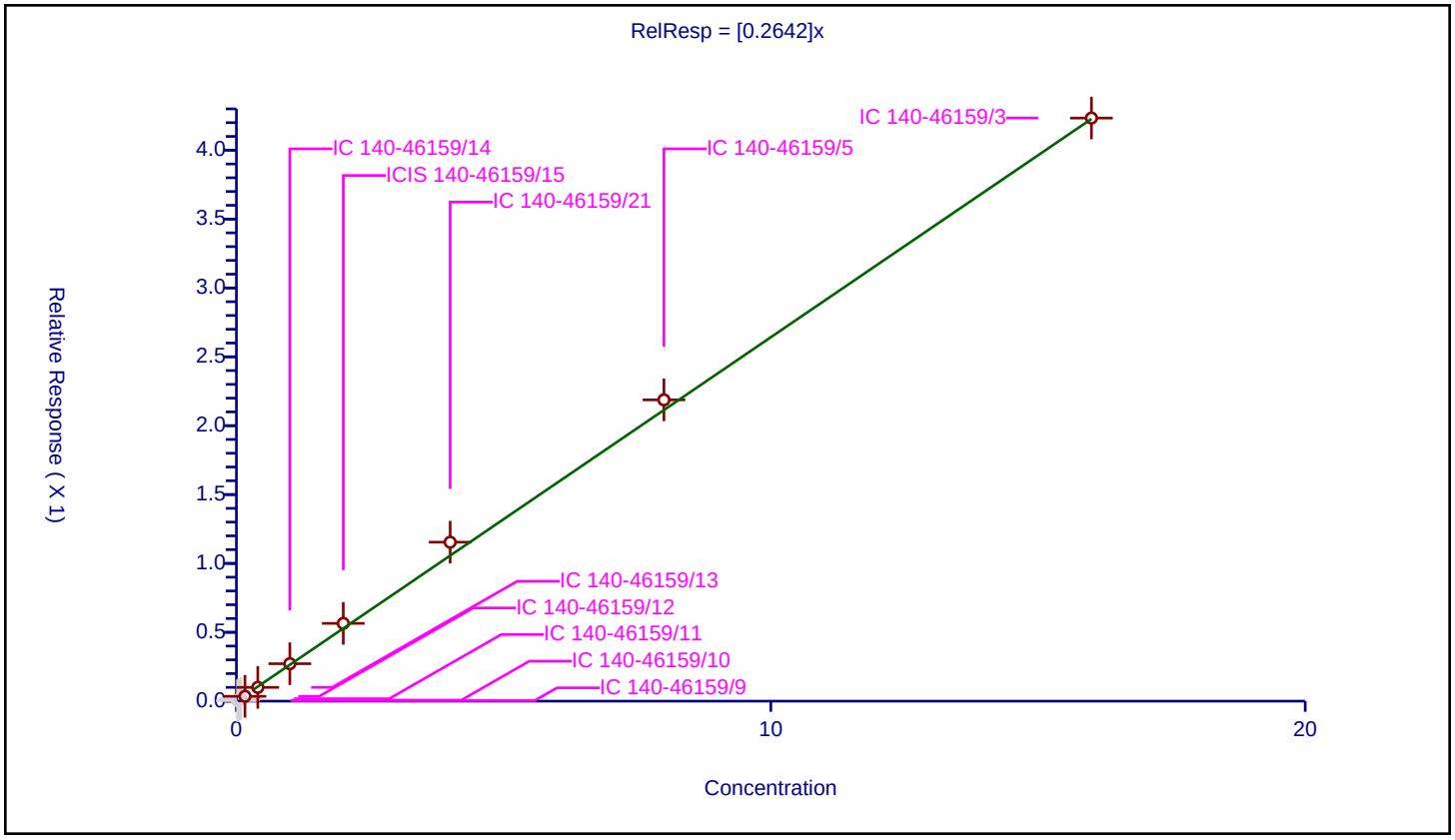
Curve Coefficients

Intercept:	0
Slope:	0.2642

Error Coefficients

Standard Error:	437000
Relative Standard Error:	8.9
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.003733	4.8	1060865.0	0.18664	N
2	IC 140-46159/10	0.04	0.007842	4.8	1051585.0	0.196047	N
3	IC 140-46159/11	0.08	0.017596	4.8	1046685.0	0.219952	N
4	IC 140-46159/12	0.16	0.035039	4.8	1086338.0	0.218993	Y
5	IC 140-46159/13	0.4	0.099904	4.8	1102565.0	0.249759	Y
6	IC 140-46159/14	1.0	0.271761	4.8	1123781.0	0.271761	Y
7	ICIS 140-46159/15	2.0	0.564647	4.8	1156240.0	0.282323	Y
8	IC 140-46159/21	4.0	1.154138	4.8	1185013.0	0.288535	Y
9	IC 140-46159/5	8.0	2.187355	4.8	1155662.0	0.273419	Y
10	IC 140-46159/3	16.0	4.233268	4.8	990614.0	0.264579	Y



Calibration / 1,2-Dichloropropane

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

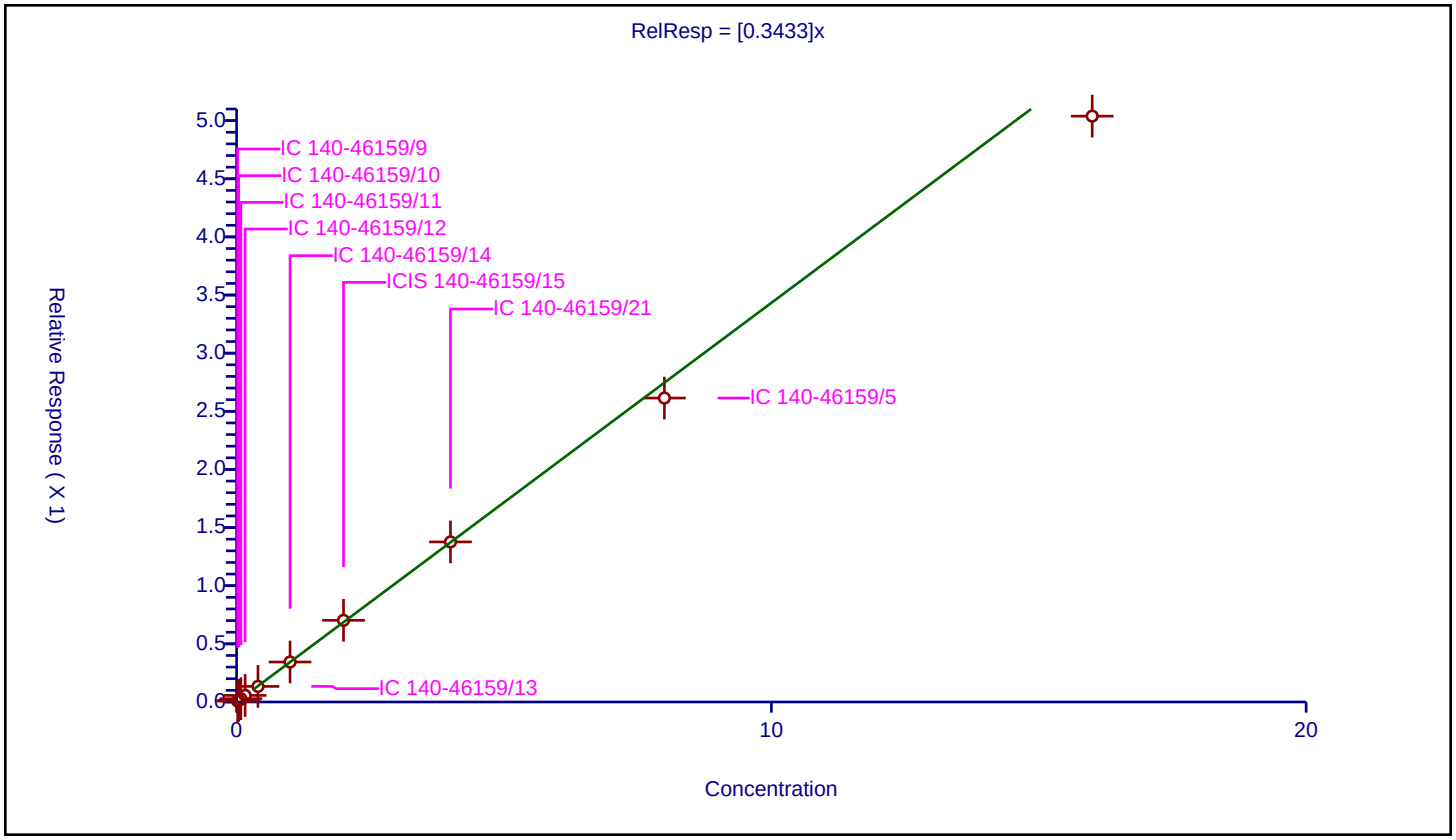
Curve Coefficients

Intercept:	0
Slope:	0.3433

Error Coefficients

Standard Error:	425000
Relative Standard Error:	4.1
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.007253	4.8	1060865.0	0.362647	Y
2	IC 140-46159/10	0.04	0.013867	4.8	1051585.0	0.346677	Y
3	IC 140-46159/11	0.08	0.028318	4.8	1046685.0	0.353975	Y
4	IC 140-46159/12	0.16	0.056469	4.8	1086338.0	0.352929	Y
5	IC 140-46159/13	0.4	0.134161	4.8	1102565.0	0.335403	Y
6	IC 140-46159/14	1.0	0.343933	4.8	1123781.0	0.343933	Y
7	ICIS 140-46159/15	2.0	0.702398	4.8	1156240.0	0.351199	Y
8	IC 140-46159/21	4.0	1.376645	4.8	1185013.0	0.344161	Y
9	IC 140-46159/5	8.0	2.614157	4.8	1155662.0	0.32677	Y
10	IC 140-46159/3	16.0	5.038761	4.8	990614.0	0.314923	Y



Calibration / Trichloroethene

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

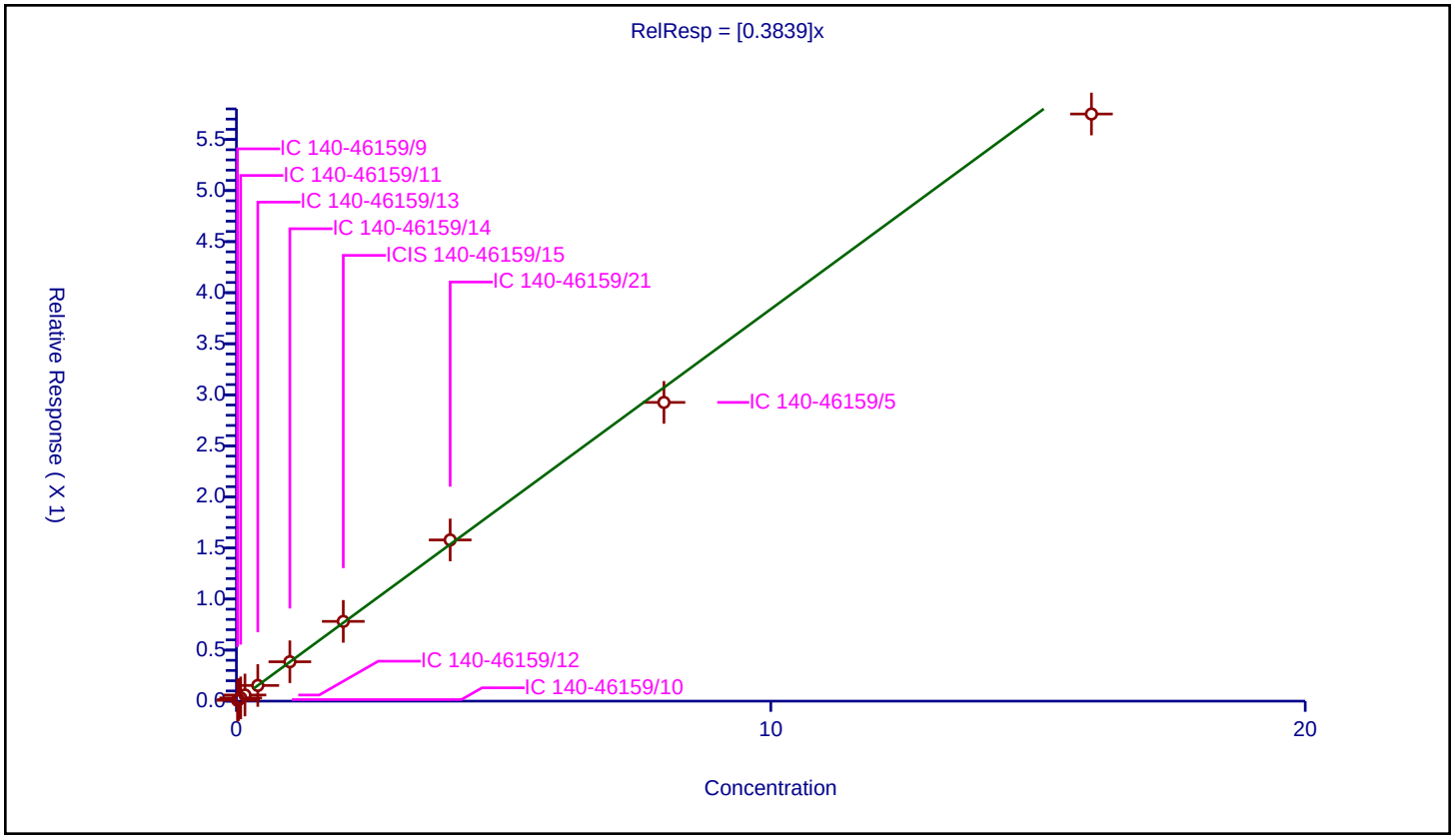
Curve Coefficients

Intercept:	0
Slope:	0.3839

Error Coefficients

Standard Error:	483000
Relative Standard Error:	3.8
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.008149	4.8	1060865.0	0.407441	Y
2	IC 140-46159/10	0.04	0.015182	4.8	1051585.0	0.379541	Y
3	IC 140-46159/11	0.08	0.031698	4.8	1046685.0	0.396222	Y
4	IC 140-46159/12	0.16	0.06018	4.8	1086338.0	0.376126	Y
5	IC 140-46159/13	0.4	0.153574	4.8	1102565.0	0.383934	Y
6	IC 140-46159/14	1.0	0.385604	4.8	1123781.0	0.385604	Y
7	ICIS 140-46159/15	2.0	0.780947	4.8	1156240.0	0.390473	Y
8	IC 140-46159/21	4.0	1.57864	4.8	1185013.0	0.39466	Y
9	IC 140-46159/5	8.0	2.925575	4.8	1155662.0	0.365697	Y
10	IC 140-46159/3	16.0	5.750024	4.8	990614.0	0.359377	Y



Calibration / Dibromomethane

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

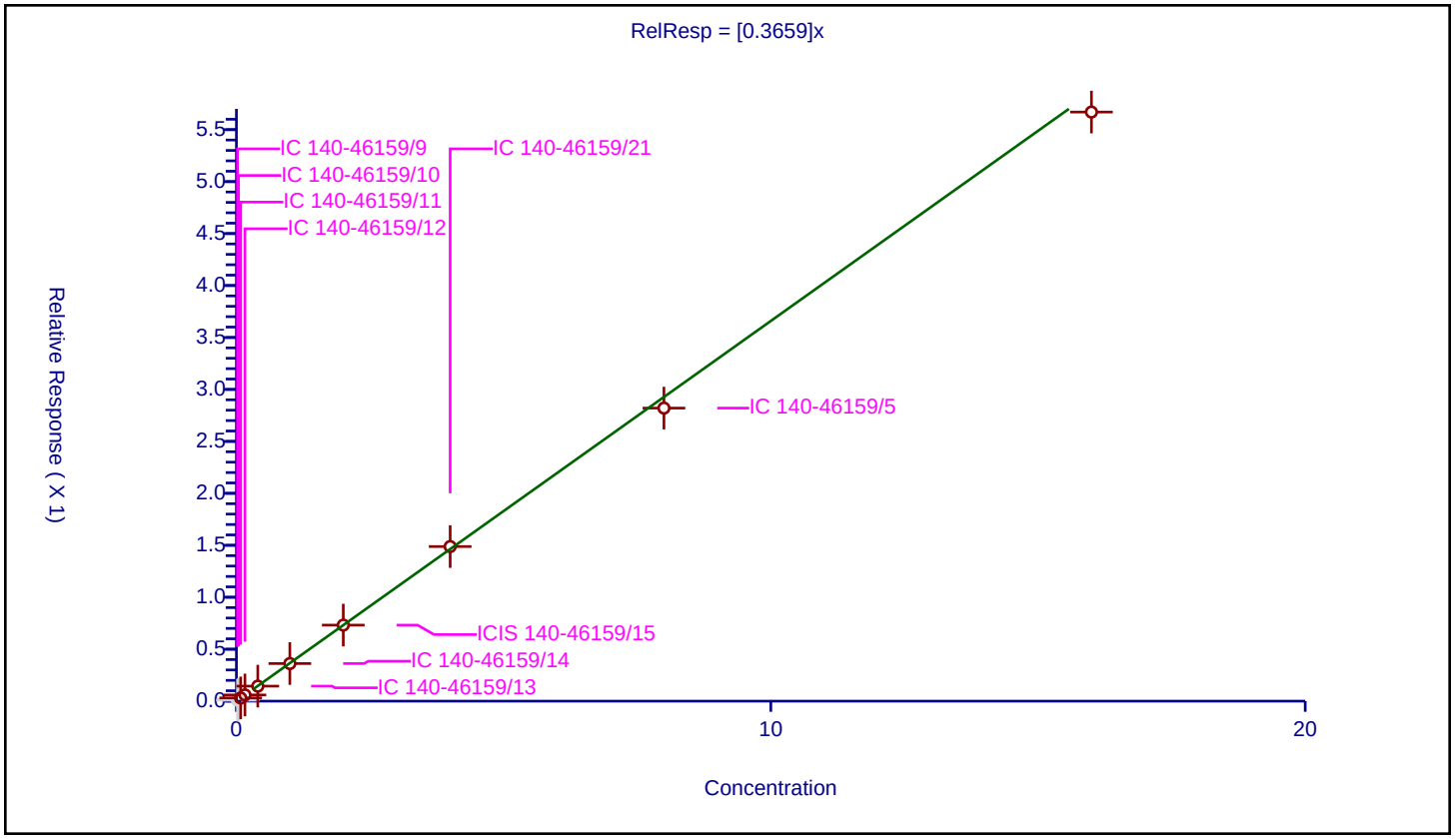
Curve Coefficients

Intercept:	0
Slope:	0.3659

Error Coefficients

Standard Error:	535000
Relative Standard Error:	3.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.009316	4.8	1060865.0	0.465809	N
2	IC 140-46159/10	0.04	0.016072	4.8	1051585.0	0.401793	N
3	IC 140-46159/11	0.08	0.030895	4.8	1046685.0	0.386191	Y
4	IC 140-46159/12	0.16	0.059707	4.8	1086338.0	0.373171	Y
5	IC 140-46159/13	0.4	0.144488	4.8	1102565.0	0.36122	Y
6	IC 140-46159/14	1.0	0.361856	4.8	1123781.0	0.361856	Y
7	ICIS 140-46159/15	2.0	0.731682	4.8	1156240.0	0.365841	Y
8	IC 140-46159/21	4.0	1.487878	4.8	1185013.0	0.37197	Y
9	IC 140-46159/5	8.0	2.820335	4.8	1155662.0	0.352542	Y
10	IC 140-46159/3	16.0	5.669594	4.8	990614.0	0.35435	Y



Calibration / 1,4-Dioxane

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

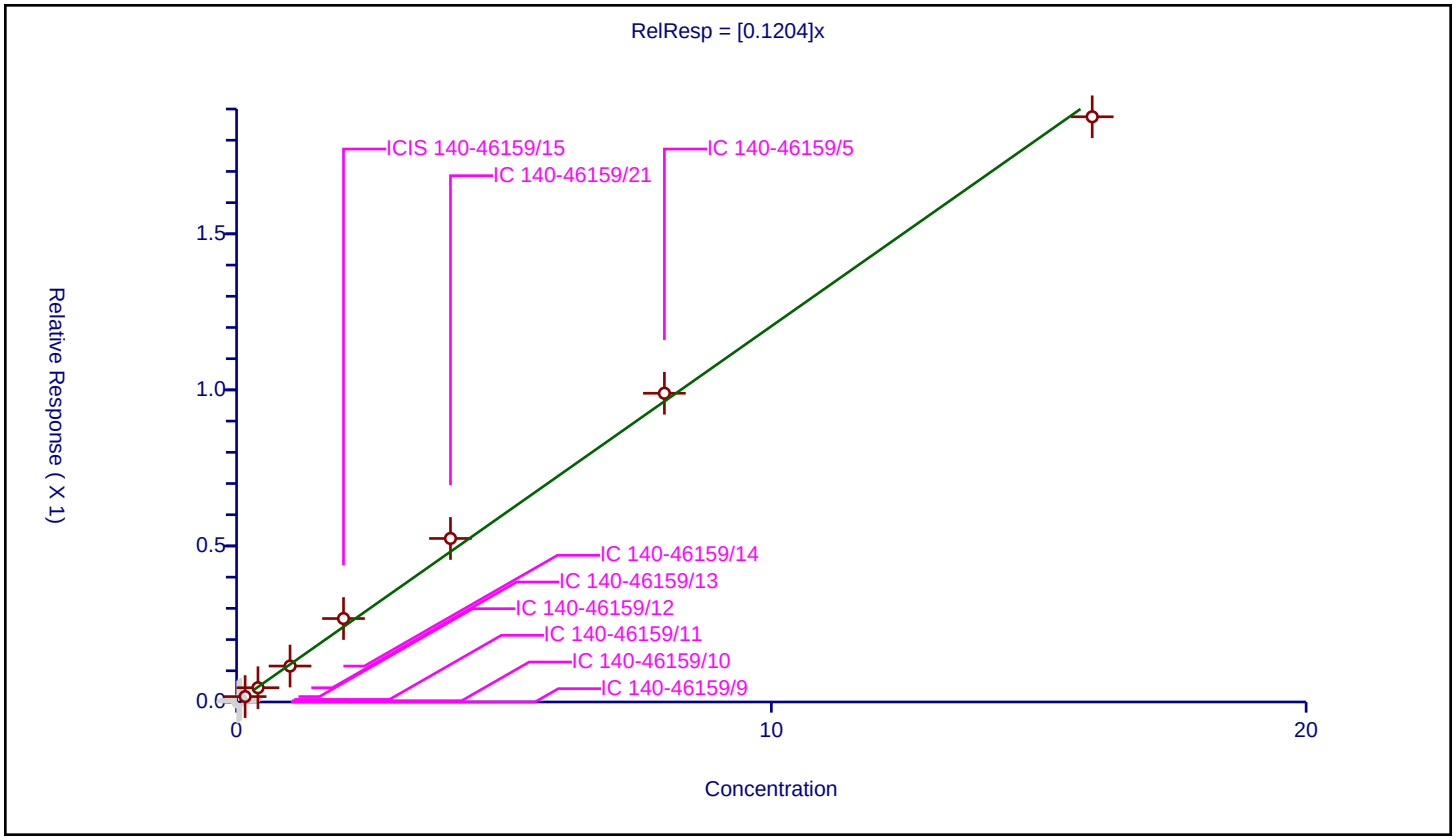
Curve Coefficients

Intercept:	0
Slope:	0.1204

Error Coefficients

Standard Error:	195000
Relative Standard Error:	7.8
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.0	4.8	1060865.0	0.0	N
2	IC 140-46159/10	0.04	0.004236	4.8	1051585.0	0.105897	N
3	IC 140-46159/11	0.08	0.008209	4.8	1046685.0	0.10261	N
4	IC 140-46159/12	0.16	0.01729	4.8	1086338.0	0.10806	Y
5	IC 140-46159/13	0.4	0.045629	4.8	1102565.0	0.114072	Y
6	IC 140-46159/14	1.0	0.115137	4.8	1123781.0	0.115137	Y
7	ICIS 140-46159/15	2.0	0.267399	4.8	1156240.0	0.1337	Y
8	IC 140-46159/21	4.0	0.523988	4.8	1185013.0	0.130997	Y
9	IC 140-46159/5	8.0	0.989218	4.8	1155662.0	0.123652	Y
10	IC 140-46159/3	16.0	1.875128	4.8	990614.0	0.117195	Y



Calibration / Dichlorobromomethane

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

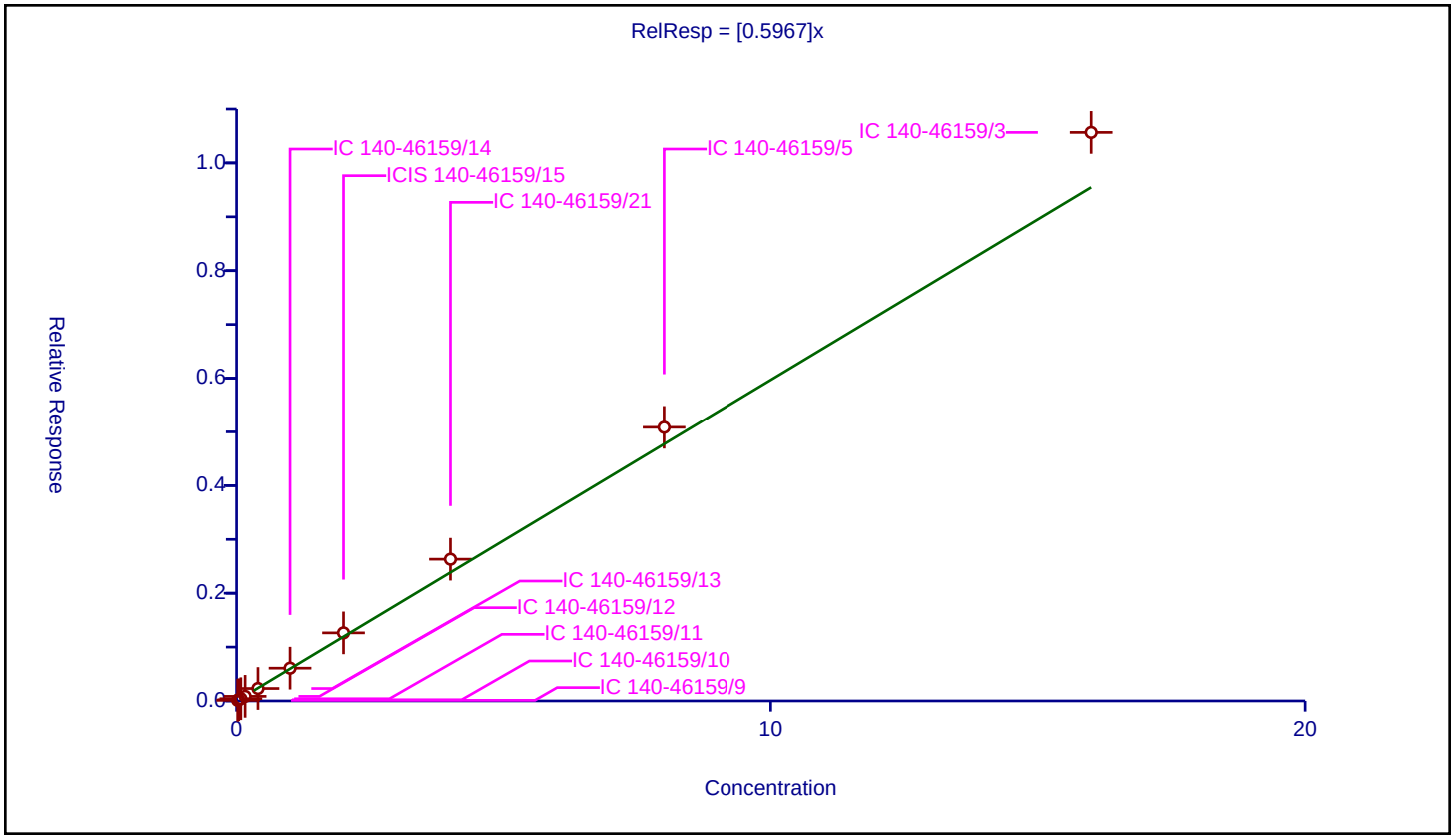
Curve Coefficients

Intercept:	0
Slope:	0.5967

Error Coefficients

Standard Error:	869000
Relative Standard Error:	8.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.011615	4.8	1060865.0	0.580734	Y
2	IC 140-46159/10	0.04	0.022544	4.8	1051585.0	0.563606	Y
3	IC 140-46159/11	0.08	0.041493	4.8	1046685.0	0.518666	Y
4	IC 140-46159/12	0.16	0.085233	4.8	1086338.0	0.532707	Y
5	IC 140-46159/13	0.4	0.230813	4.8	1102565.0	0.577033	Y
6	IC 140-46159/14	1.0	0.608087	4.8	1123781.0	0.608087	Y
7	ICIS 140-46159/15	2.0	1.263815	4.8	1156240.0	0.631908	Y
8	IC 140-46159/21	4.0	2.632113	4.8	1185013.0	0.658028	Y
9	IC 140-46159/5	8.0	5.085081	4.8	1155662.0	0.635635	Y
10	IC 140-46159/3	16.0	10.566538	4.8	990614.0	0.660409	Y



Calibration / Methyl methacrylate

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

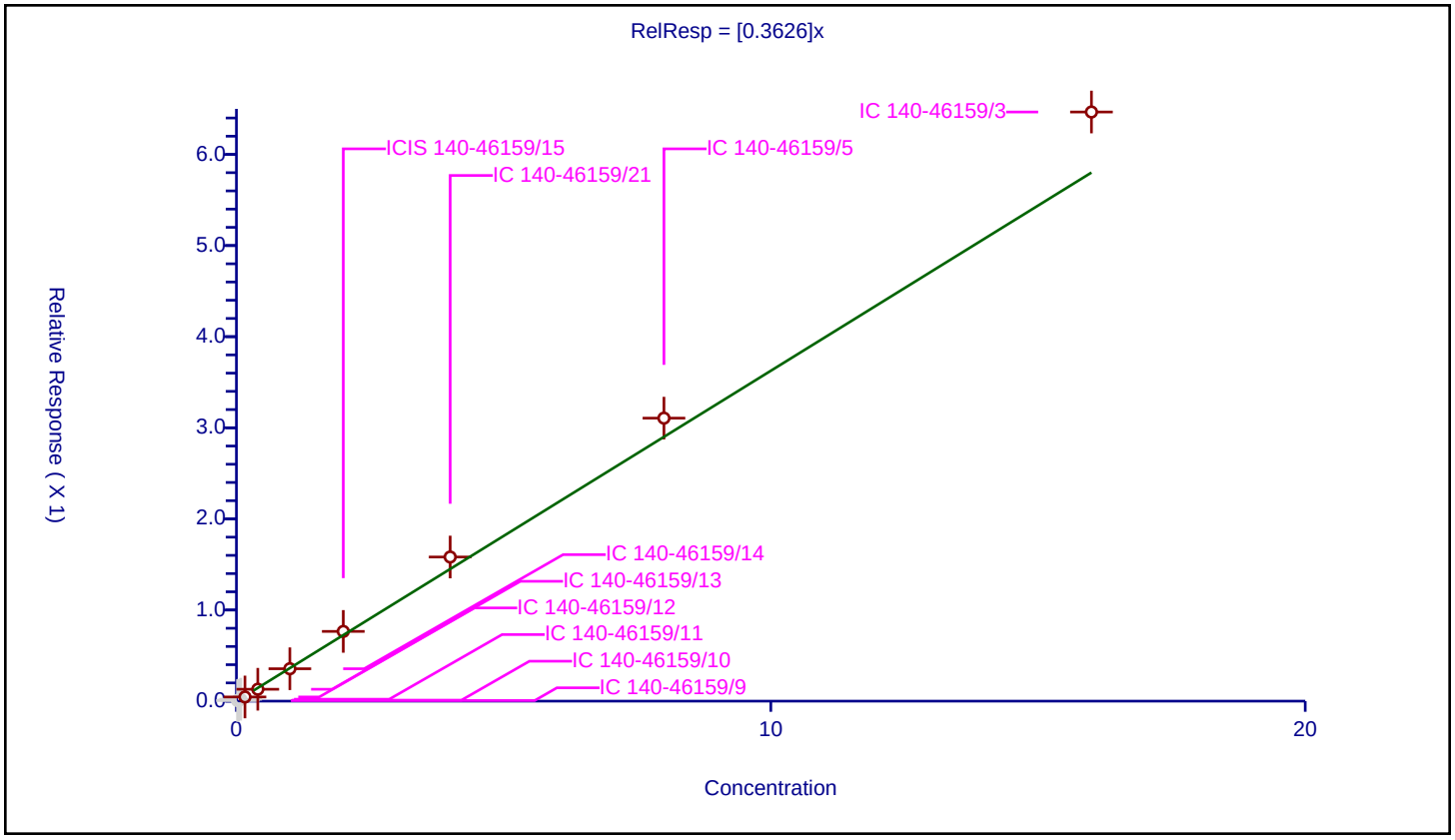
Curve Coefficients

Intercept:	0
Slope:	0.3626

Error Coefficients

Standard Error:	650000
Relative Standard Error:	11.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.006665	4.8	1060865.0	0.333237	N
2	IC 140-46159/10	0.04	0.010914	4.8	1051585.0	0.272845	N
3	IC 140-46159/11	0.08	0.021068	4.8	1046685.0	0.263346	N
4	IC 140-46159/12	0.16	0.045736	4.8	1086338.0	0.28585	Y
5	IC 140-46159/13	0.4	0.130413	4.8	1102565.0	0.326032	Y
6	IC 140-46159/14	1.0	0.355602	4.8	1123781.0	0.355602	Y
7	ICIS 140-46159/15	2.0	0.765366	4.8	1156240.0	0.382683	Y
8	IC 140-46159/21	4.0	1.58186	4.8	1185013.0	0.395465	Y
9	IC 140-46159/5	8.0	3.105923	4.8	1155662.0	0.38824	Y
10	IC 140-46159/3	16.0	6.46574	4.8	990614.0	0.404109	Y



Calibration / Methylcyclohexane

Curve Type:	Quadratic
Weighting:	None
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

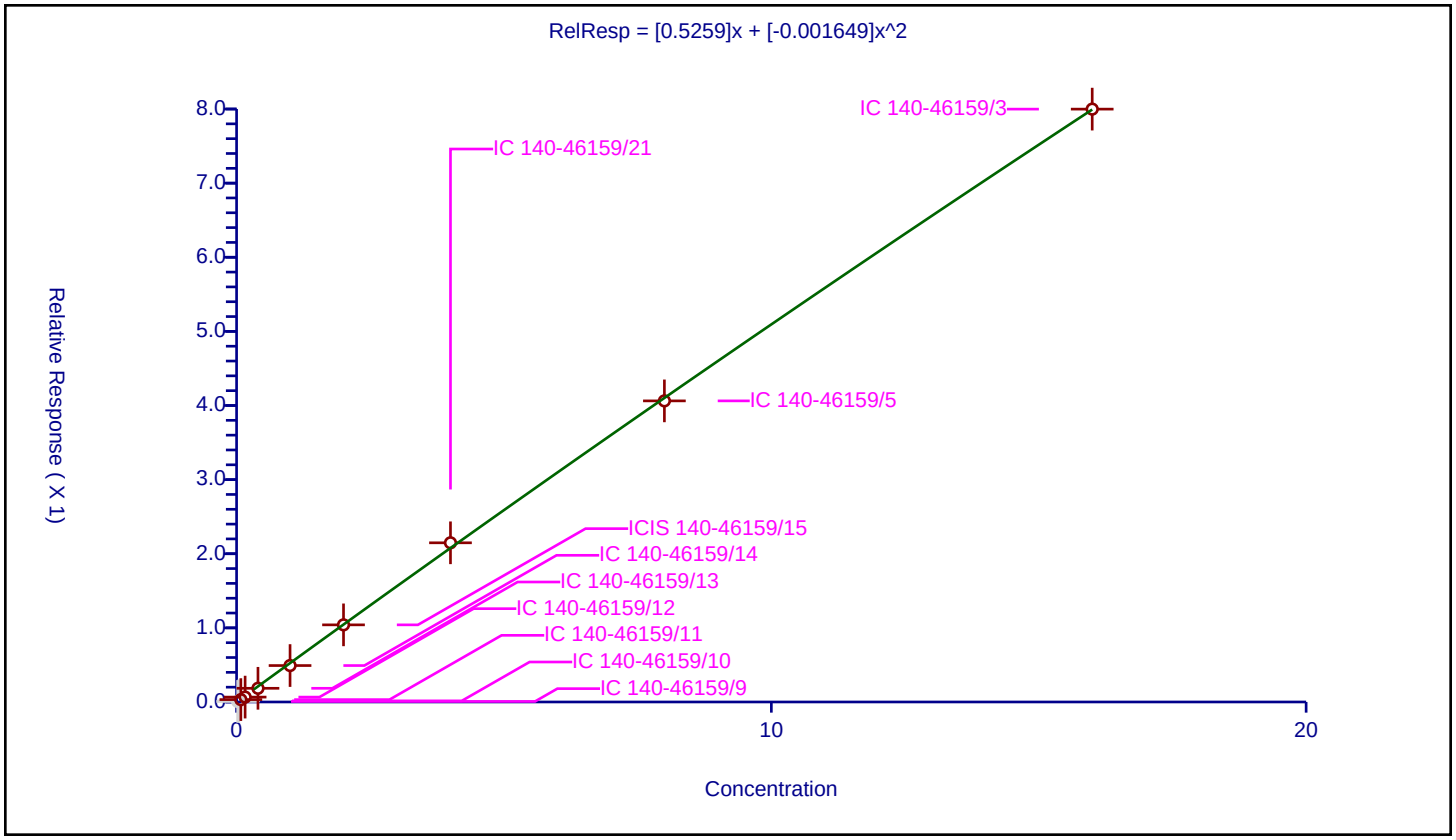
Curve Coefficients

Intercept:	0
Slope:	0.5259
Second Order:	-0.001649

Error Coefficients

Standard Error:	821000
Relative Standard Error:	14.2
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.007352	4.8	1060865.0	0.367625	N
2	IC 140-46159/10	0.04	0.015191	4.8	1051585.0	0.37977	N
3	IC 140-46159/11	0.08	0.032257	4.8	1046685.0	0.403216	Y
4	IC 140-46159/12	0.16	0.066017	4.8	1086338.0	0.412606	Y
5	IC 140-46159/13	0.4	0.184901	4.8	1102565.0	0.462253	Y
6	IC 140-46159/14	1.0	0.491724	4.8	1123781.0	0.491724	Y
7	ICIS 140-46159/15	2.0	1.040695	4.8	1156240.0	0.520347	Y
8	IC 140-46159/21	4.0	2.147618	4.8	1185013.0	0.536904	Y
9	IC 140-46159/5	8.0	4.062195	4.8	1155662.0	0.507774	Y
10	IC 140-46159/3	16.0	7.998569	4.8	990614.0	0.499911	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

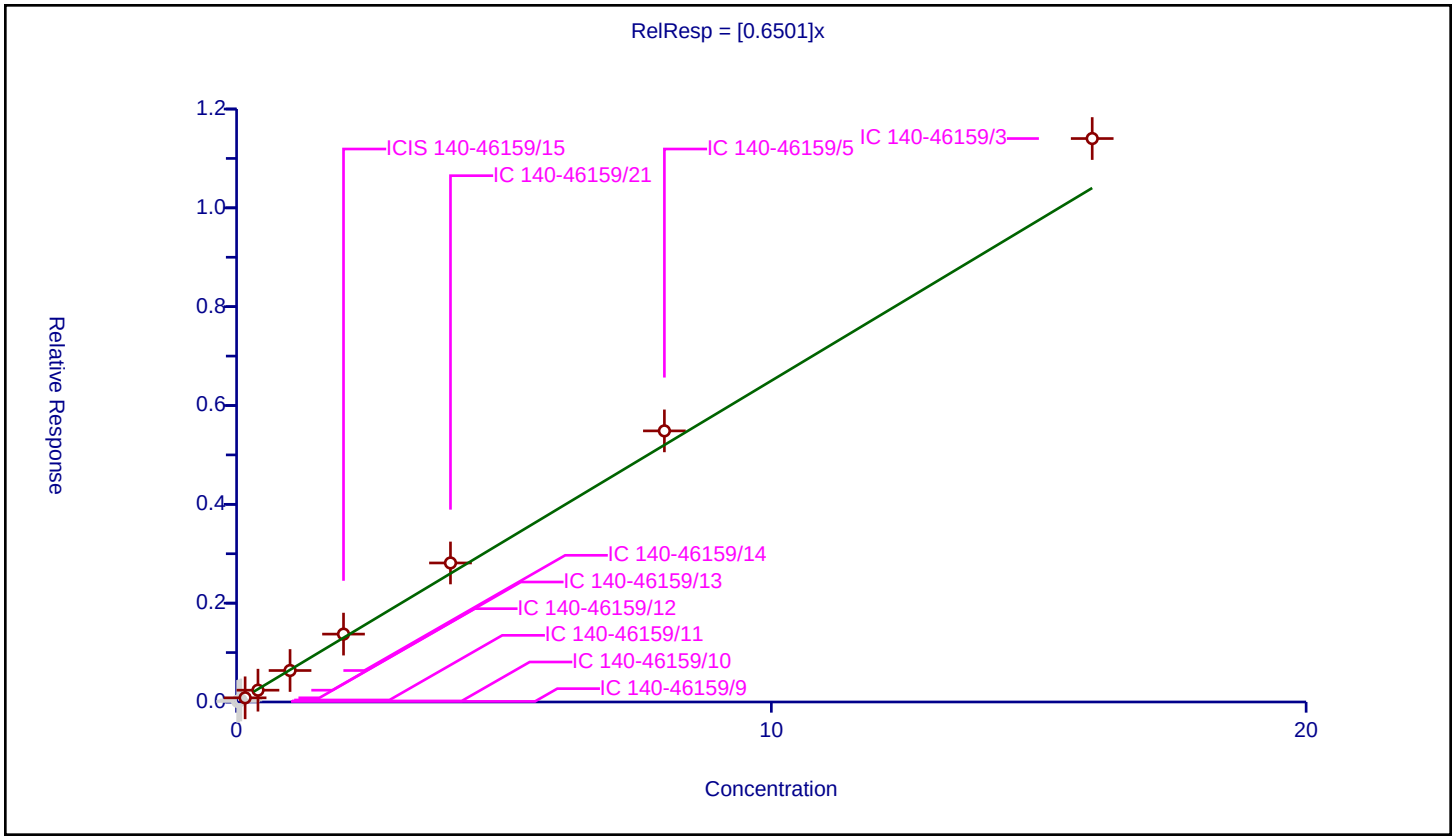
Curve Coefficients

Intercept:	0
Slope:	0.6501

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	10.4
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.011945	4.8	1060865.0	0.597248	N
2	IC 140-46159/10	0.04	0.02149	4.8	1051585.0	0.537246	N
3	IC 140-46159/11	0.08	0.040902	4.8	1046685.0	0.511271	N
4	IC 140-46159/12	0.16	0.084385	4.8	1086338.0	0.527405	Y
5	IC 140-46159/13	0.4	0.238867	4.8	1102565.0	0.597168	Y
6	IC 140-46159/14	1.0	0.637264	4.8	1123781.0	0.637264	Y
7	ICIS 140-46159/15	2.0	1.373848	4.8	1156240.0	0.686924	Y
8	IC 140-46159/21	4.0	2.813608	4.8	1185013.0	0.703402	Y
9	IC 140-46159/5	8.0	5.486538	4.8	1155662.0	0.685817	Y
10	IC 140-46159/3	16.0	11.40248	4.8	990614.0	0.712655	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

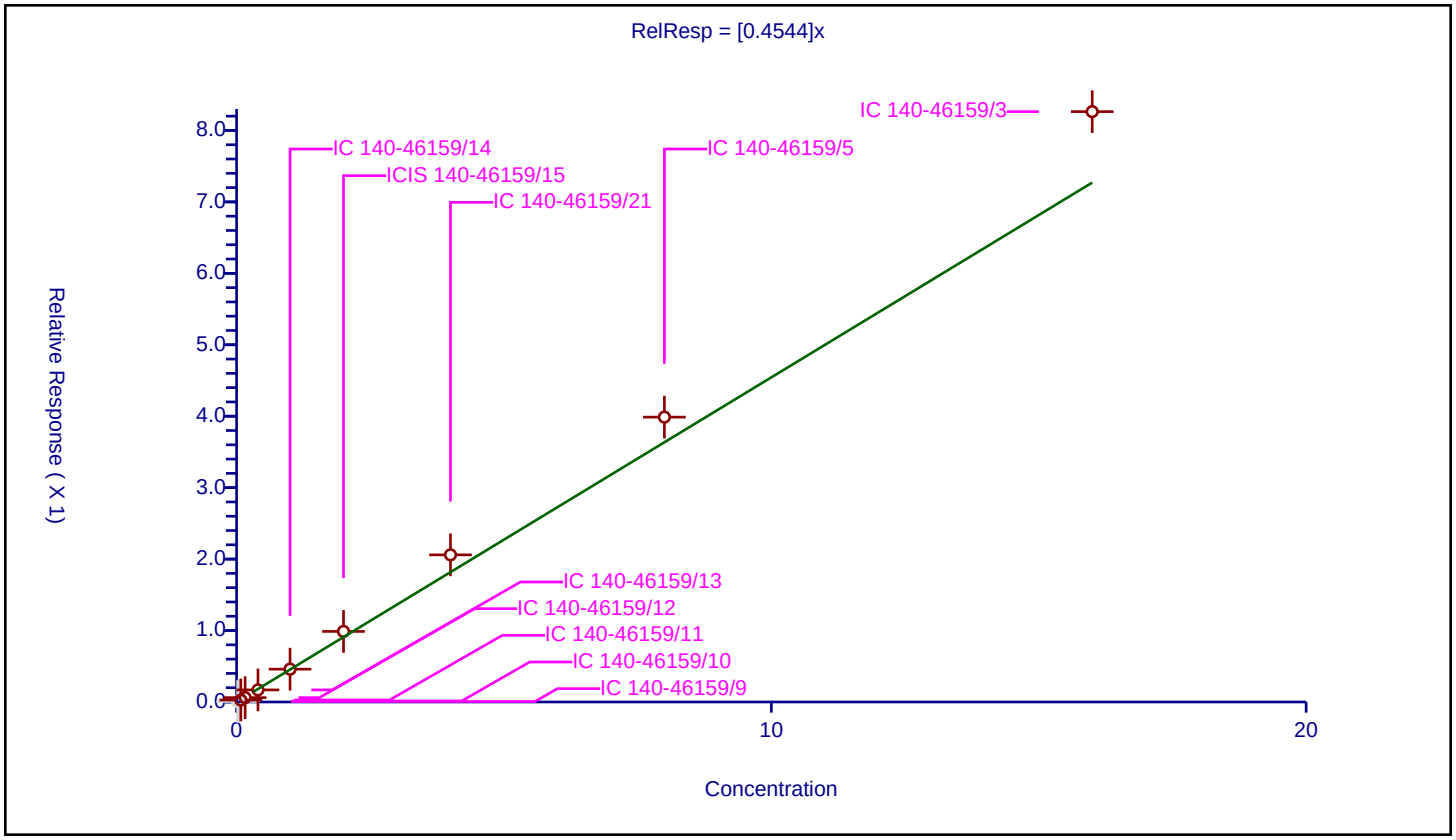
Curve Coefficients

Intercept:	0
Slope:	0.4544

Error Coefficients

Standard Error:	771000
Relative Standard Error:	14.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.007036	4.8	1060865.0	0.351788	N
2	IC 140-46159/10	0.04	0.014684	4.8	1051585.0	0.367103	N
3	IC 140-46159/11	0.08	0.027786	4.8	1046685.0	0.347325	Y
4	IC 140-46159/12	0.16	0.061086	4.8	1086338.0	0.381787	Y
5	IC 140-46159/13	0.4	0.169168	4.8	1102565.0	0.422919	Y
6	IC 140-46159/14	1.0	0.45925	4.8	1123781.0	0.45925	Y
7	ICIS 140-46159/15	2.0	0.987897	4.8	1156240.0	0.493949	Y
8	IC 140-46159/21	4.0	2.0594	4.8	1185013.0	0.51485	Y
9	IC 140-46159/5	8.0	3.987429	4.8	1155662.0	0.498429	Y
10	IC 140-46159/3	16.0	8.263258	4.8	990614.0	0.516454	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

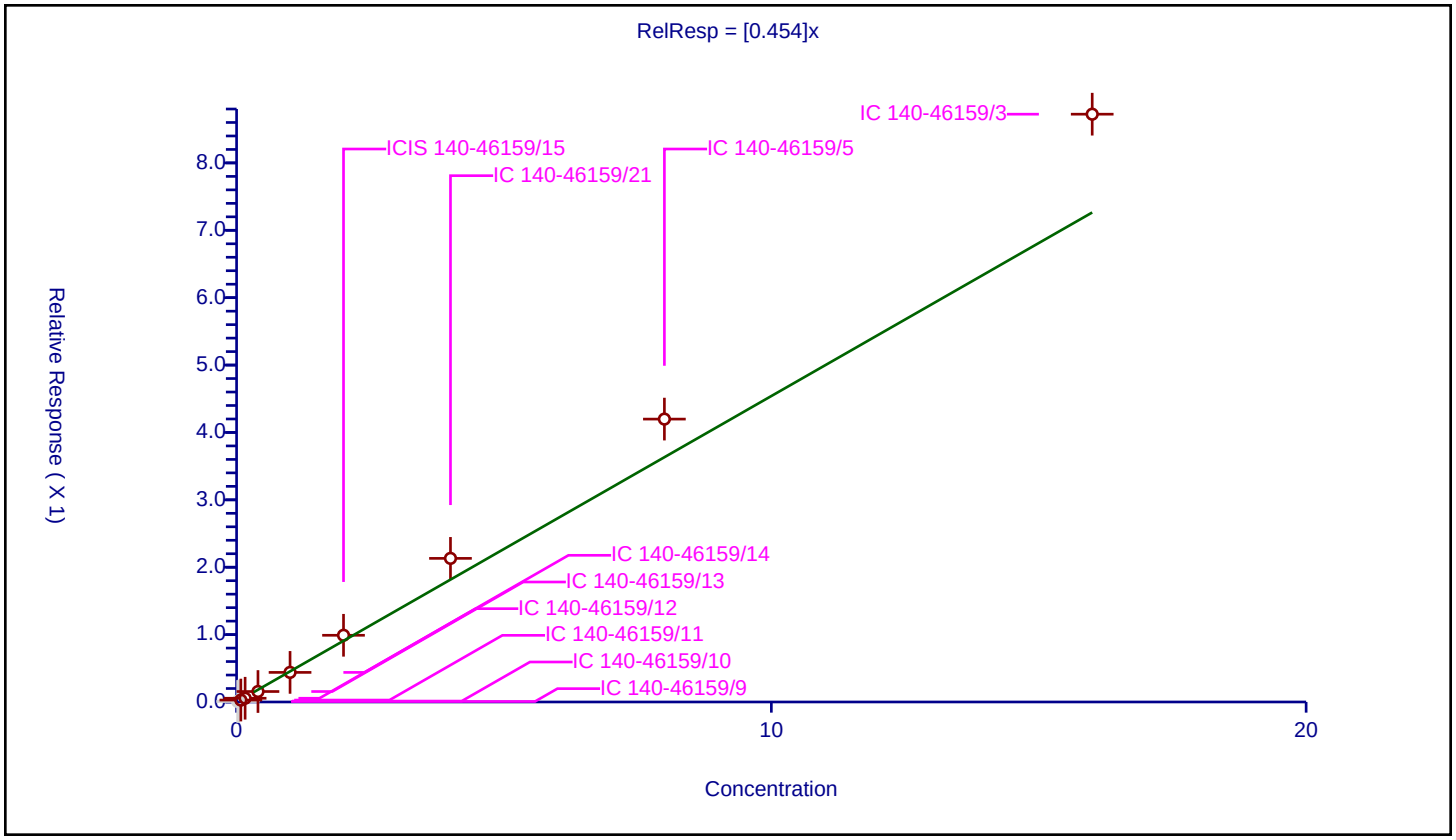
Curve Coefficients

Intercept:	0
Slope:	0.454

Error Coefficients

Standard Error:	725000
Relative Standard Error:	17.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.007583	4.8	902023.0	0.379148	N
2	IC 140-46159/10	0.04	0.013457	4.8	889589.0	0.336425	N
3	IC 140-46159/11	0.08	0.028813	4.8	887761.0	0.360165	Y
4	IC 140-46159/12	0.16	0.055414	4.8	924942.0	0.346335	Y
5	IC 140-46159/13	0.4	0.155508	4.8	948342.0	0.388771	Y
6	IC 140-46159/14	1.0	0.439259	4.8	968099.0	0.439259	Y
7	ICIS 140-46159/15	2.0	0.989911	4.8	1008042.0	0.494956	Y
8	IC 140-46159/21	4.0	2.131289	4.8	1038828.0	0.532822	Y
9	IC 140-46159/5	8.0	4.198404	4.8	1020231.0	0.524801	Y
10	IC 140-46159/3	16.0	8.723126	4.8	890383.0	0.545195	Y



Calibration / Toluene

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

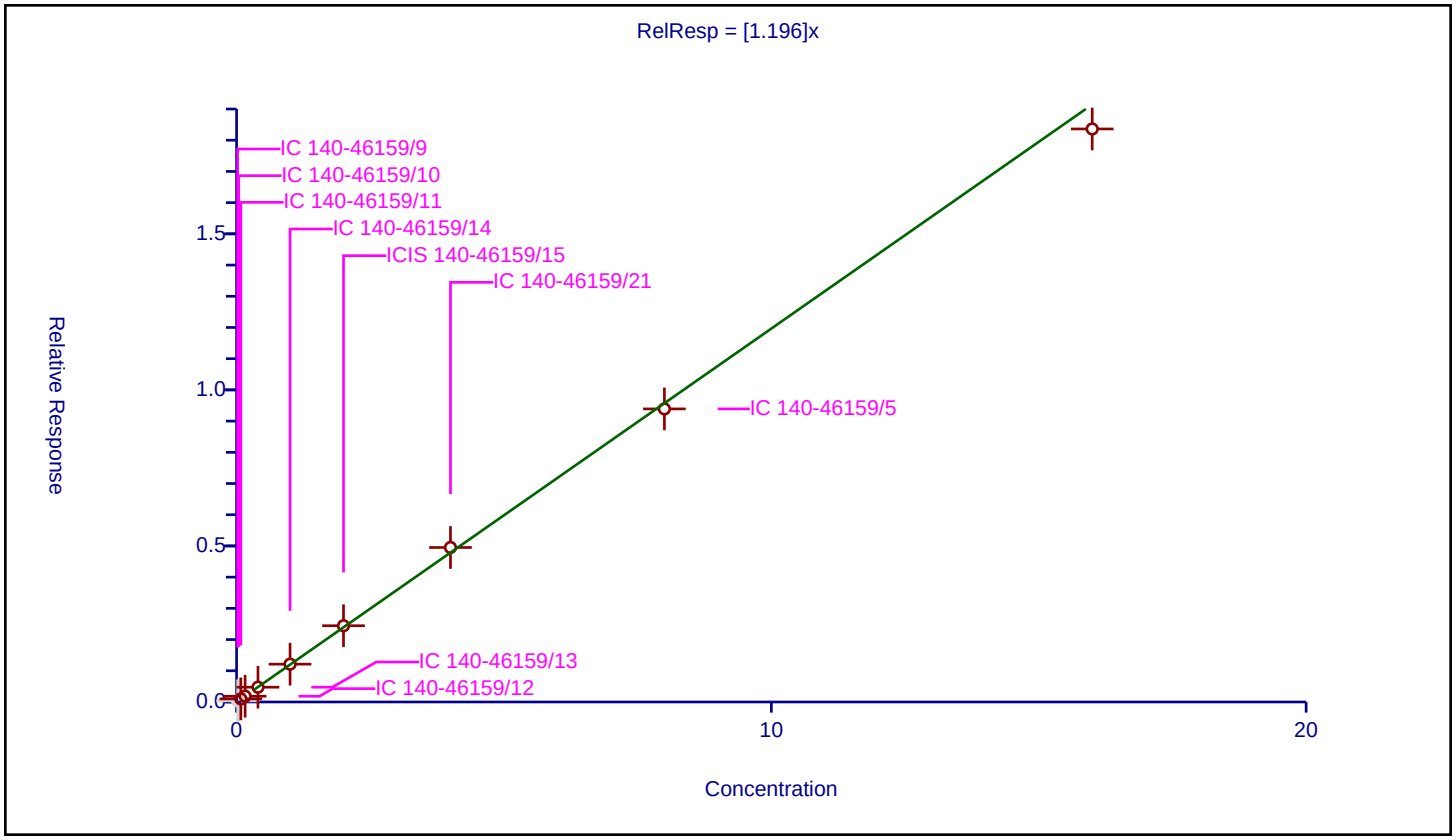
Curve Coefficients

Intercept:	0
Slope:	1.196

Error Coefficients

Standard Error:	1560000
Relative Standard Error:	3.1
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.036478	4.8	902023.0	1.8239	N
2	IC 140-46159/10	0.04	0.0604	4.8	889589.0	1.510001	N
3	IC 140-46159/11	0.08	0.099432	4.8	887761.0	1.242902	Y
4	IC 140-46159/12	0.16	0.184197	4.8	924942.0	1.151229	Y
5	IC 140-46159/13	0.4	0.473956	4.8	948342.0	1.184889	Y
6	IC 140-46159/14	1.0	1.212352	4.8	968099.0	1.212352	Y
7	ICIS 140-46159/15	2.0	2.443155	4.8	1008042.0	1.221578	Y
8	IC 140-46159/21	4.0	4.950192	4.8	1038828.0	1.237548	Y
9	IC 140-46159/5	8.0	9.390518	4.8	1020231.0	1.173815	Y
10	IC 140-46159/3	16.0	18.361019	4.8	890383.0	1.147564	Y



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

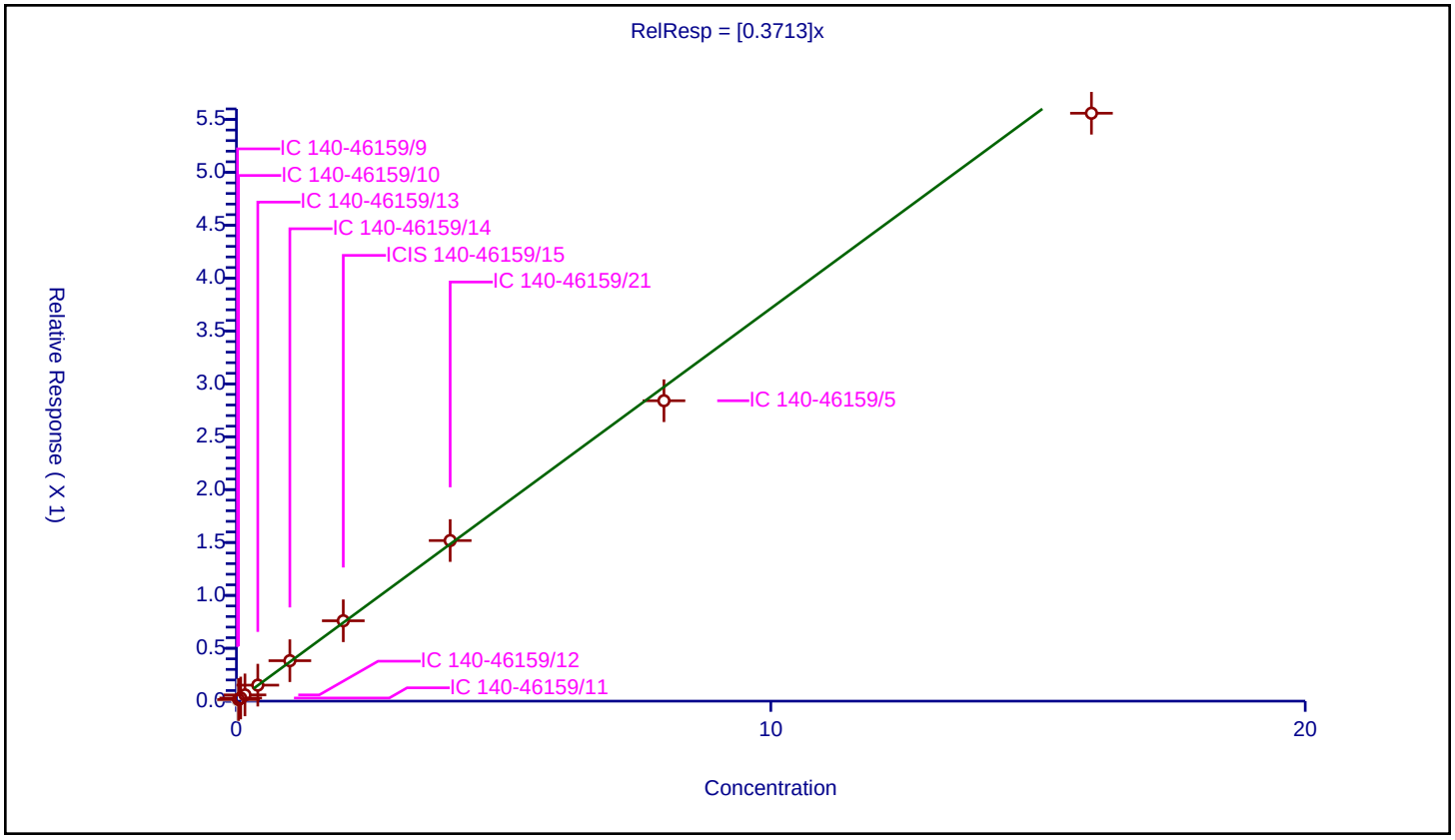
Curve Coefficients

Intercept:	0
Slope:	0.3713

Error Coefficients

Standard Error:	443000
Relative Standard Error:	3.3
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.008982	4.8	902023.0	0.449124	N
2	IC 140-46159/10	0.04	0.015167	4.8	889589.0	0.379186	Y
3	IC 140-46159/11	0.08	0.029624	4.8	887761.0	0.370302	Y
4	IC 140-46159/12	0.16	0.059129	4.8	924942.0	0.369558	Y
5	IC 140-46159/13	0.4	0.151277	4.8	948342.0	0.378193	Y
6	IC 140-46159/14	1.0	0.382468	4.8	968099.0	0.382468	Y
7	ICIS 140-46159/15	2.0	0.759954	4.8	1008042.0	0.379977	Y
8	IC 140-46159/21	4.0	1.51853	4.8	1038828.0	0.379632	Y
9	IC 140-46159/5	8.0	2.840538	4.8	1020231.0	0.355067	Y
10	IC 140-46159/3	16.0	5.559006	4.8	890383.0	0.347438	Y



Calibration / 2-Hexanone

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

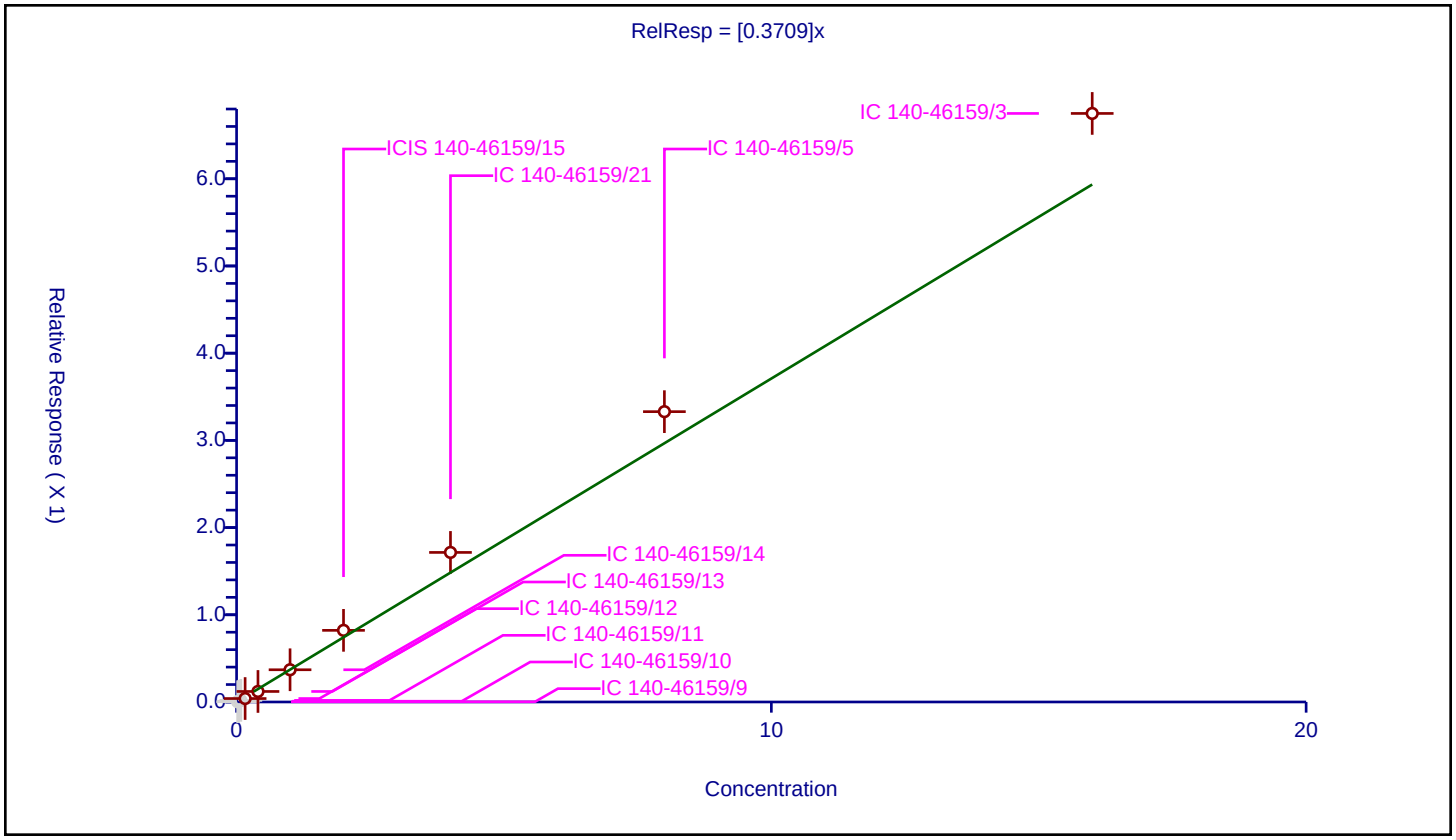
Curve Coefficients

Intercept:	0
Slope:	0.3709

Error Coefficients

Standard Error:	611000
Relative Standard Error:	18.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.963

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.002634	4.8	902023.0	0.131704	N
2	IC 140-46159/10	0.04	0.00886	4.8	889589.0	0.221496	N
3	IC 140-46159/11	0.08	0.01847	4.8	887761.0	0.230873	N
4	IC 140-46159/12	0.16	0.039648	4.8	924942.0	0.247799	Y
5	IC 140-46159/13	0.4	0.120539	4.8	948342.0	0.301347	Y
6	IC 140-46159/14	1.0	0.369602	4.8	968099.0	0.369602	Y
7	ICIS 140-46159/15	2.0	0.821537	4.8	1008042.0	0.410769	Y
8	IC 140-46159/21	4.0	1.714951	4.8	1038828.0	0.428738	Y
9	IC 140-46159/5	8.0	3.329472	4.8	1020231.0	0.416184	Y
10	IC 140-46159/3	16.0	6.749234	4.8	890383.0	0.421827	Y



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

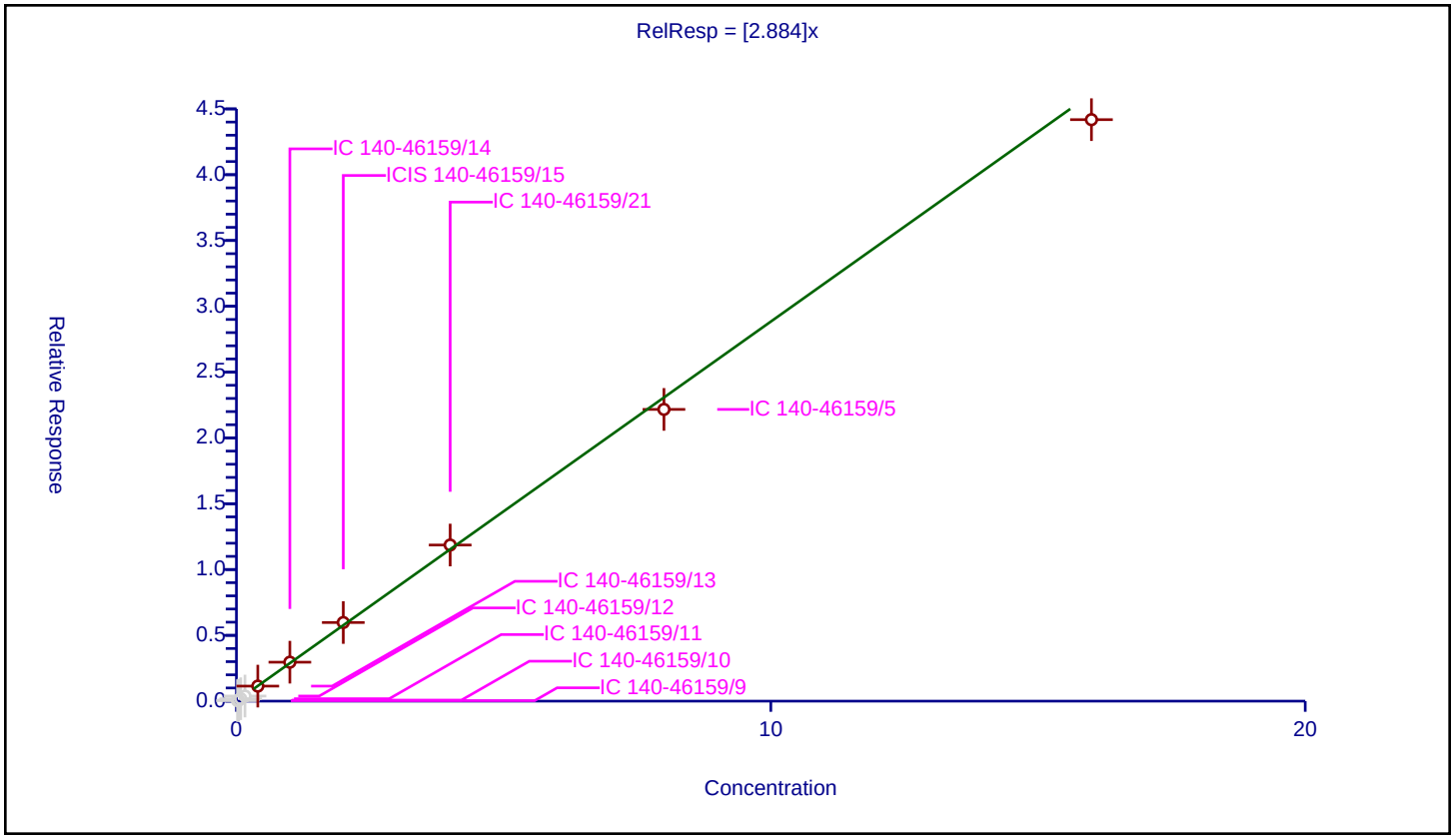
Curve Coefficients

Intercept:	0
Slope:	2.884

Error Coefficients

Standard Error:	4960000
Relative Standard Error:	3.5
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.036695	4.8	1060865.0	1.834729	N
2	IC 140-46159/10	0.04	0.079487	4.8	1051585.0	1.987172	N
3	IC 140-46159/11	0.08	0.185835	4.8	1046685.0	2.322934	N
4	IC 140-46159/12	0.16	0.386642	4.8	1086338.0	2.416513	N
5	IC 140-46159/13	0.4	1.142872	4.8	1102565.0	2.857181	Y
6	IC 140-46159/14	1.0	2.960588	4.8	1123781.0	2.960588	Y
7	ICIS 140-46159/15	2.0	5.975474	4.8	1156240.0	2.987737	Y
8	IC 140-46159/21	4.0	11.861905	4.8	1185013.0	2.965476	Y
9	IC 140-46159/5	8.0	22.167164	4.8	1155662.0	2.770895	Y
10	IC 140-46159/3	16.0	44.181975	4.8	990614.0	2.761373	Y



Calibration / n-Octane

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

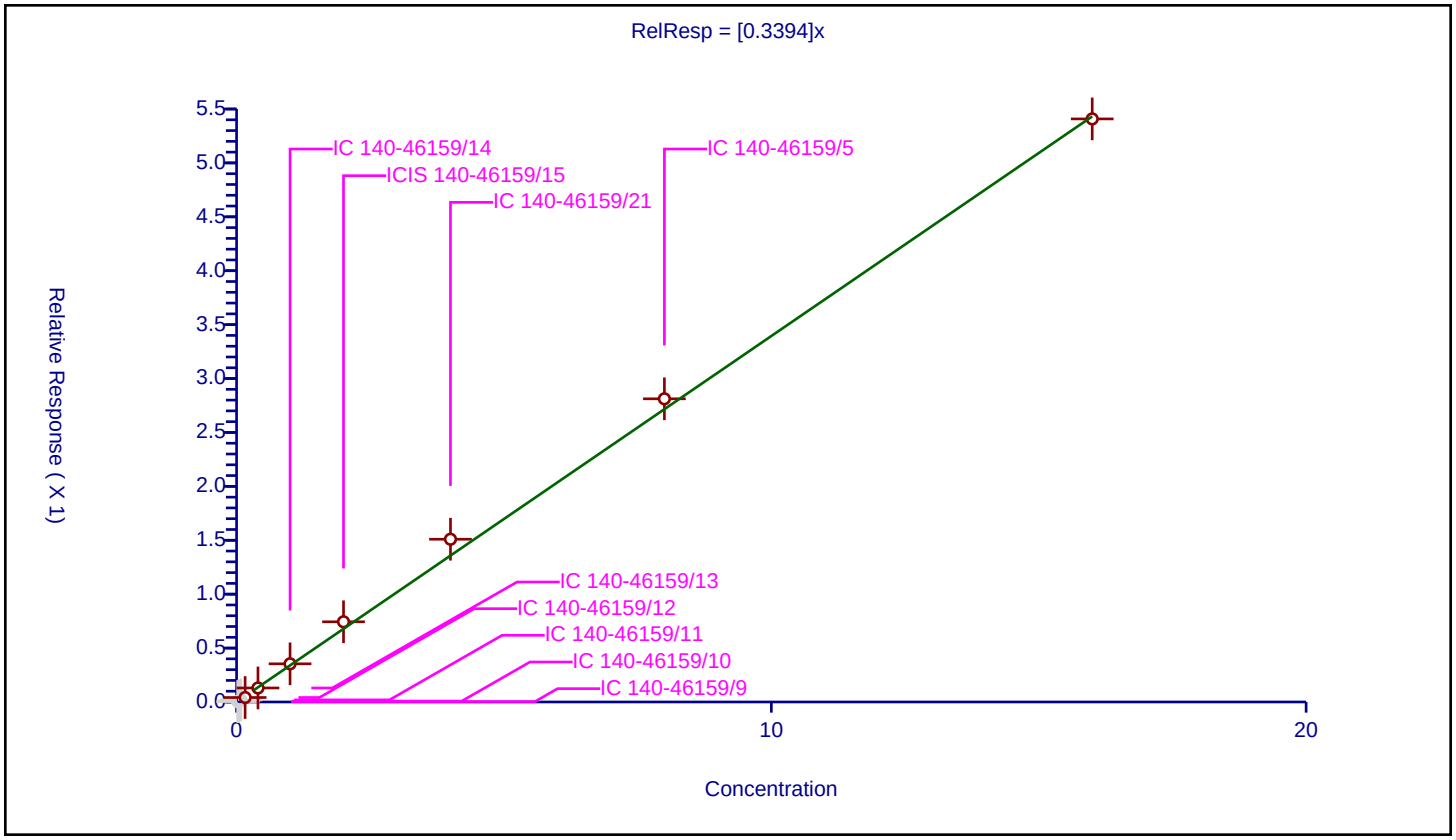
Curve Coefficients

Intercept:	0
Slope:	0.3394

Error Coefficients

Standard Error:	500000
Relative Standard Error:	11.8
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.004204	4.8	902023.0	0.210194	N
2	IC 140-46159/10	0.04	0.008277	4.8	889589.0	0.206927	N
3	IC 140-46159/11	0.08	0.019773	4.8	887761.0	0.247161	N
4	IC 140-46159/12	0.16	0.041355	4.8	924942.0	0.25847	Y
5	IC 140-46159/13	0.4	0.129913	4.8	948342.0	0.324782	Y
6	IC 140-46159/14	1.0	0.354008	4.8	968099.0	0.354008	Y
7	ICIS 140-46159/15	2.0	0.743917	4.8	1008042.0	0.371958	Y
8	IC 140-46159/21	4.0	1.509547	4.8	1038828.0	0.377387	Y
9	IC 140-46159/5	8.0	2.812125	4.8	1020231.0	0.351516	Y
10	IC 140-46159/3	16.0	5.40834	4.8	890383.0	0.338021	Y



Calibration / Chlorodibromomethane

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

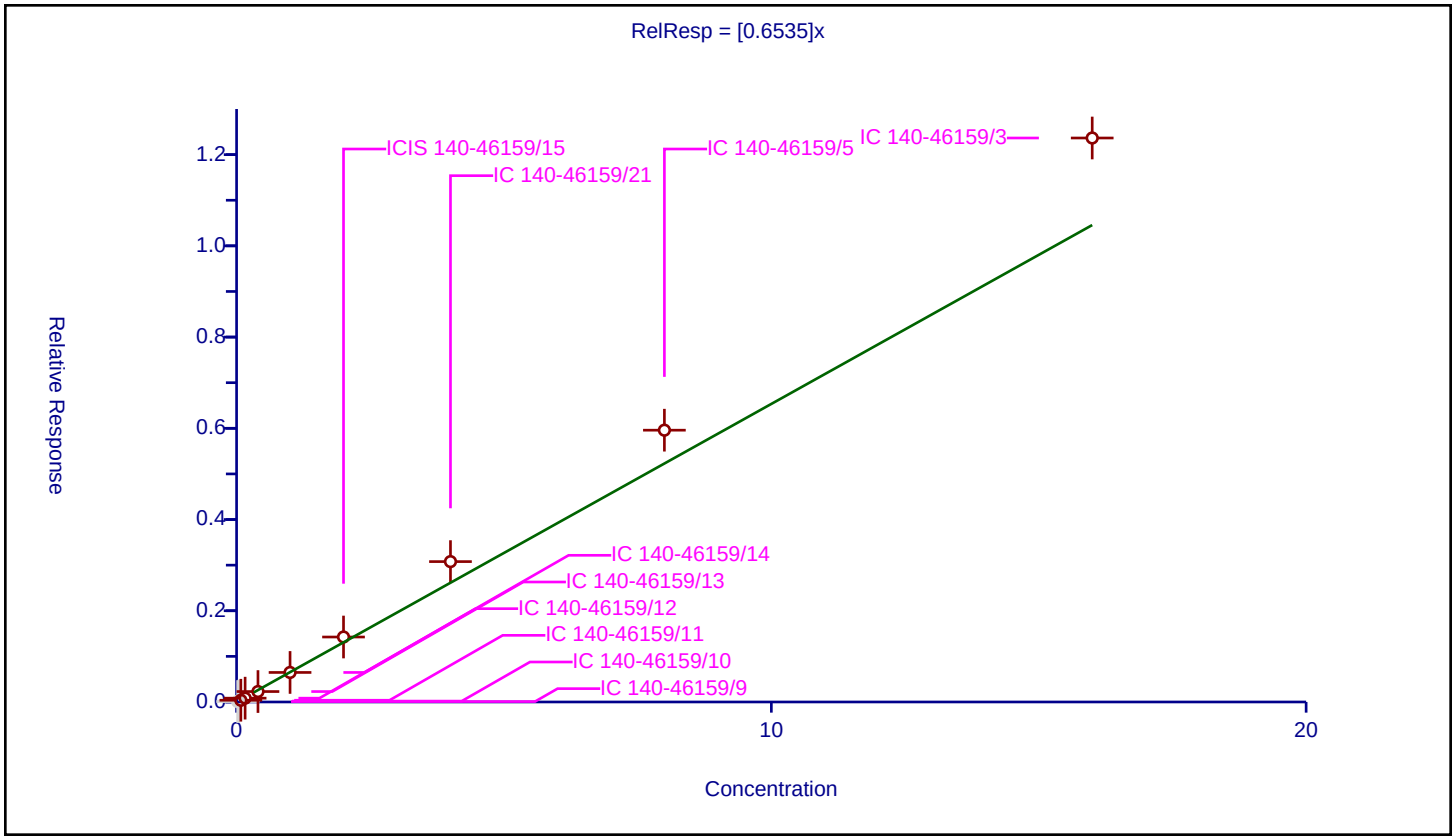
Curve Coefficients

Intercept:	0
Slope:	0.6535

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	17.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.009477	4.8	902023.0	0.473868	N
2	IC 140-46159/10	0.04	0.019549	4.8	889589.0	0.48872	N
3	IC 140-46159/11	0.08	0.038567	4.8	887761.0	0.482089	Y
4	IC 140-46159/12	0.16	0.084179	4.8	924942.0	0.526119	Y
5	IC 140-46159/13	0.4	0.229107	4.8	948342.0	0.572768	Y
6	IC 140-46159/14	1.0	0.647408	4.8	968099.0	0.647408	Y
7	ICIS 140-46159/15	2.0	1.424612	4.8	1008042.0	0.712306	Y
8	IC 140-46159/21	4.0	3.077651	4.8	1038828.0	0.769413	Y
9	IC 140-46159/5	8.0	5.959055	4.8	1020231.0	0.744882	Y
10	IC 140-46159/3	16.0	12.364754	4.8	890383.0	0.772797	Y



Calibration / Ethylene Dibromide

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

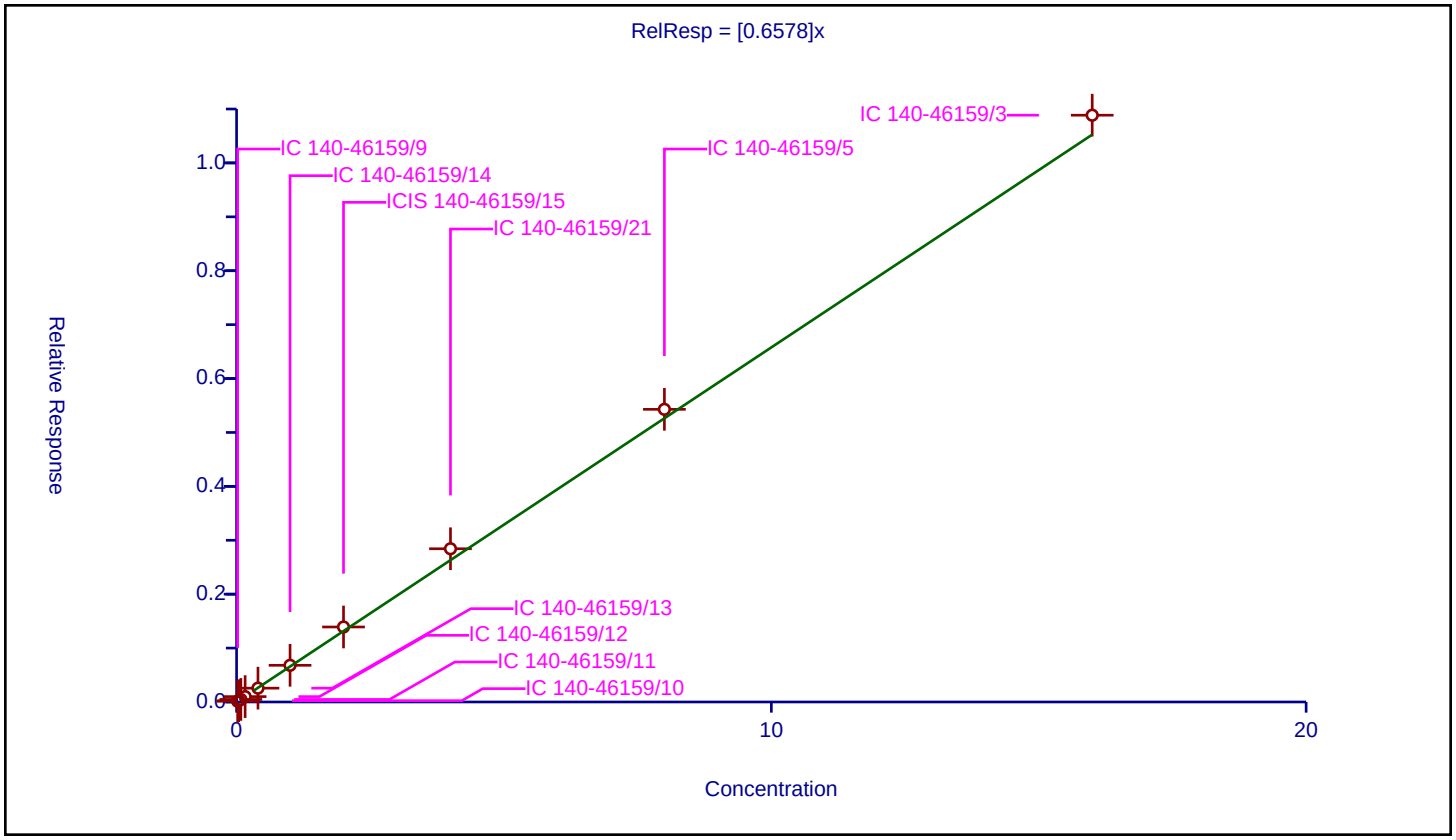
Curve Coefficients

Intercept:	0
Slope:	0.6578

Error Coefficients

Standard Error:	809000
Relative Standard Error:	6.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.013569	4.8	902023.0	0.678475	Y
2	IC 140-46159/10	0.04	0.023795	4.8	889589.0	0.594881	Y
3	IC 140-46159/11	0.08	0.047478	4.8	887761.0	0.593471	Y
4	IC 140-46159/12	0.16	0.099758	4.8	924942.0	0.623488	Y
5	IC 140-46159/13	0.4	0.256718	4.8	948342.0	0.641794	Y
6	IC 140-46159/14	1.0	0.680549	4.8	968099.0	0.680549	Y
7	ICIS 140-46159/15	2.0	1.391185	4.8	1008042.0	0.695592	Y
8	IC 140-46159/21	4.0	2.842634	4.8	1038828.0	0.710659	Y
9	IC 140-46159/5	8.0	5.428709	4.8	1020231.0	0.678589	Y
10	IC 140-46159/3	16.0	10.885113	4.8	890383.0	0.68032	Y



Calibration / Tetrachloroethene

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

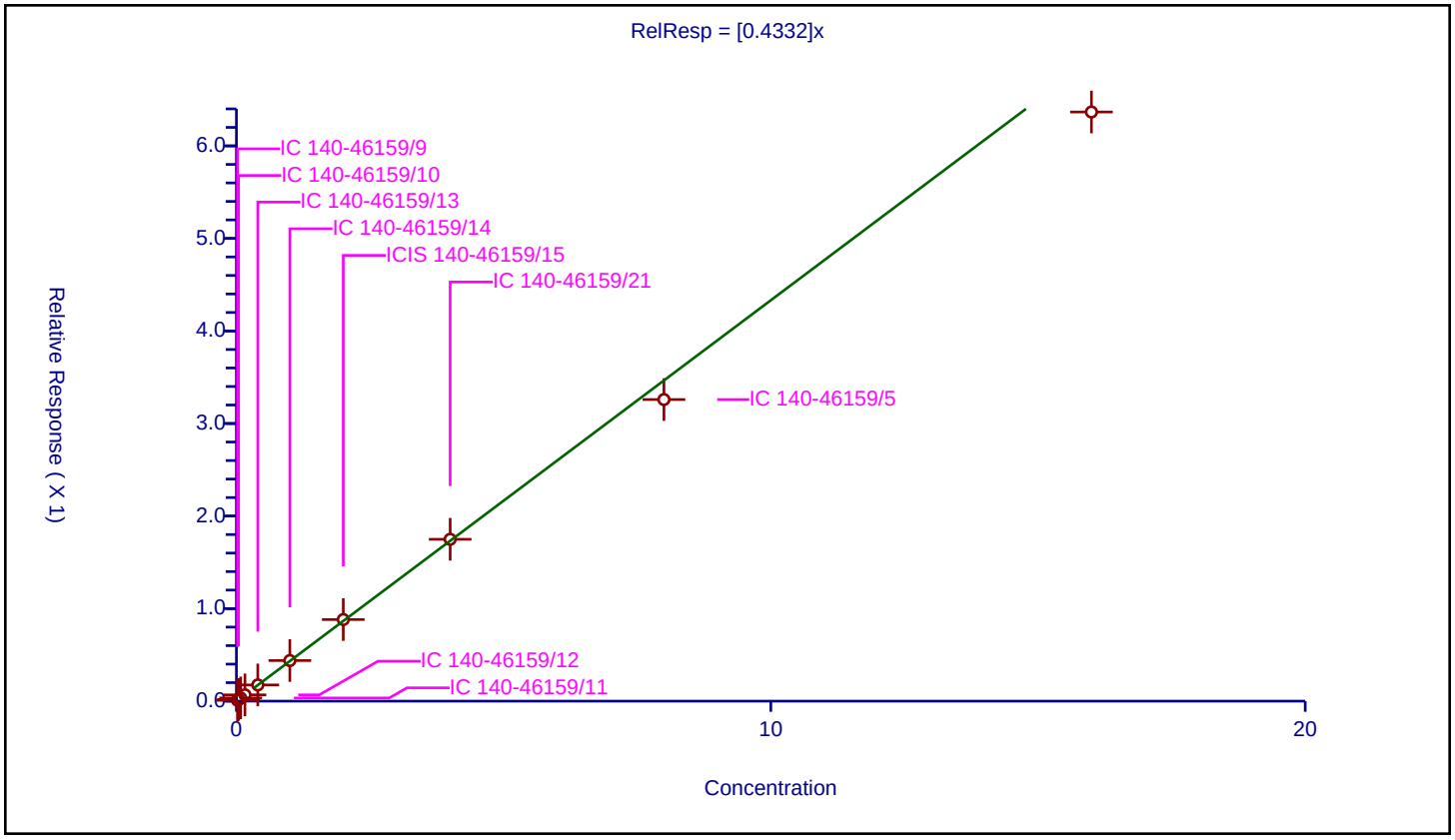
Curve Coefficients

Intercept:	0
Slope:	0.4332

Error Coefficients

Standard Error:	479000
Relative Standard Error:	4.5
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.009296	4.8	902023.0	0.464822	Y
2	IC 140-46159/10	0.04	0.018092	4.8	889589.0	0.452299	Y
3	IC 140-46159/11	0.08	0.034442	4.8	887761.0	0.430521	Y
4	IC 140-46159/12	0.16	0.0679	4.8	924942.0	0.424373	Y
5	IC 140-46159/13	0.4	0.175112	4.8	948342.0	0.437779	Y
6	IC 140-46159/14	1.0	0.438783	4.8	968099.0	0.438783	Y
7	ICIS 140-46159/15	2.0	0.881644	4.8	1008042.0	0.440822	Y
8	IC 140-46159/21	4.0	1.748894	4.8	1038828.0	0.437223	Y
9	IC 140-46159/5	8.0	3.259078	4.8	1020231.0	0.407385	Y
10	IC 140-46159/3	16.0	6.366289	4.8	890383.0	0.397893	Y



Calibration / Chlorobenzene

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

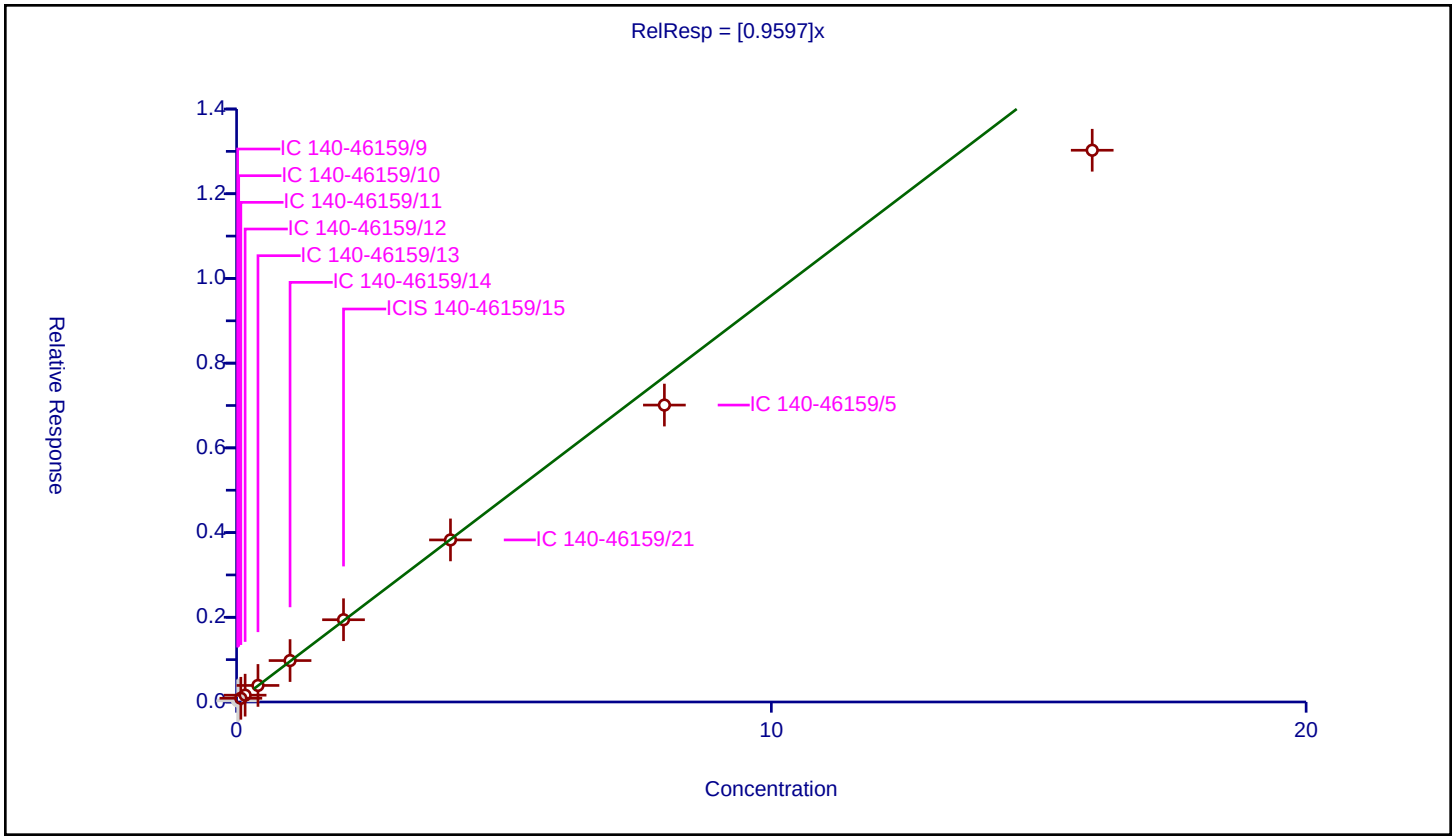
Curve Coefficients

Intercept:	0
Slope:	0.9597

Error Coefficients

Standard Error:	1130000
Relative Standard Error:	8.9
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.02674	4.8	902023.0	1.336995	N
2	IC 140-46159/10	0.04	0.047224	4.8	889589.0	1.18059	N
3	IC 140-46159/11	0.08	0.088035	4.8	887761.0	1.100431	Y
4	IC 140-46159/12	0.16	0.160693	4.8	924942.0	1.004333	Y
5	IC 140-46159/13	0.4	0.390391	4.8	948342.0	0.975977	Y
6	IC 140-46159/14	1.0	0.978341	4.8	968099.0	0.978341	Y
7	ICIS 140-46159/15	2.0	1.942248	4.8	1008042.0	0.971124	Y
8	IC 140-46159/21	4.0	3.826511	4.8	1038828.0	0.956628	Y
9	IC 140-46159/5	8.0	7.010488	4.8	1020231.0	0.876311	Y
10	IC 140-46159/3	16.0	13.026723	4.8	890383.0	0.81417	Y



Calibration / Ethylbenzene

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

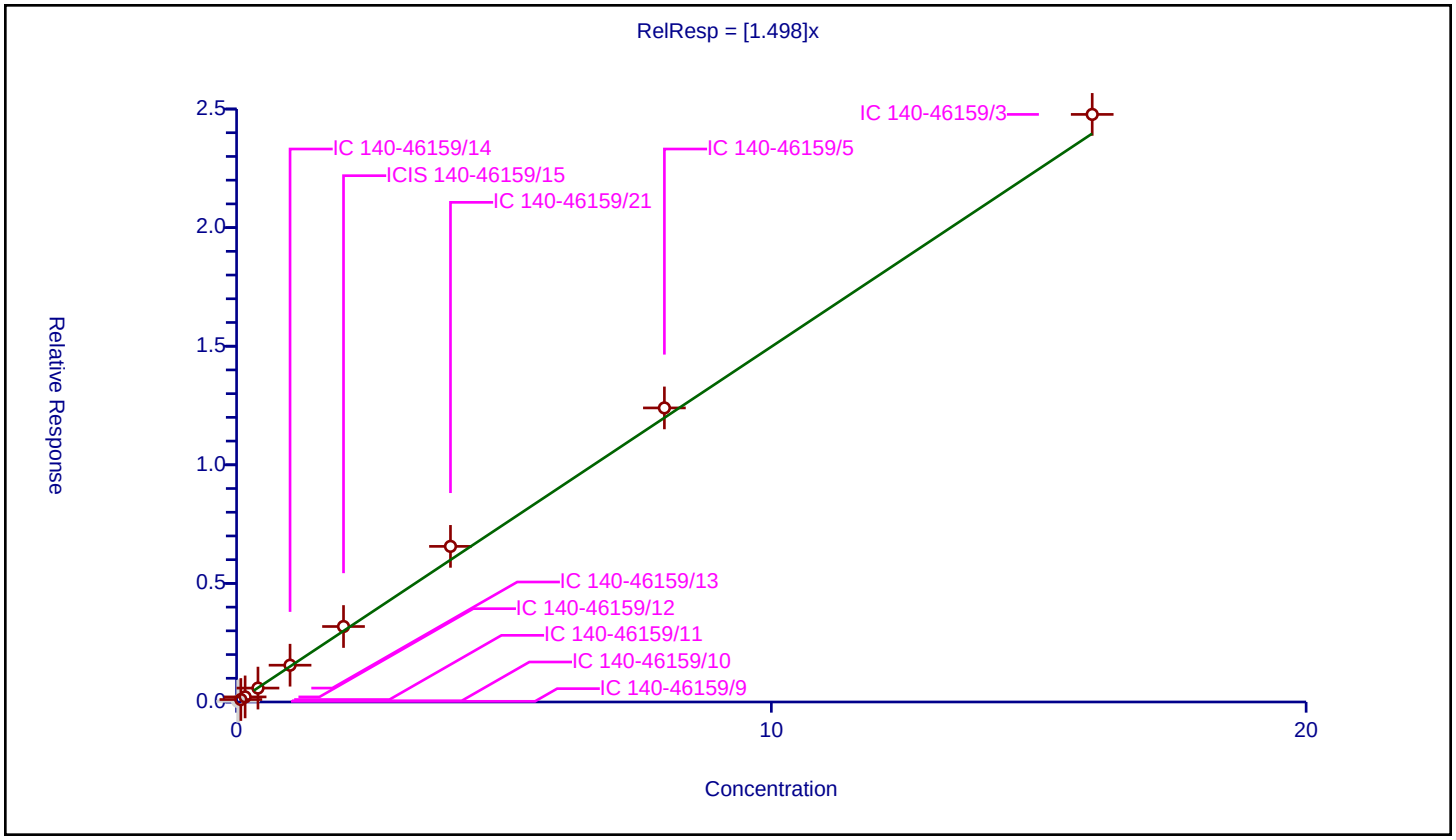
Curve Coefficients

Intercept:	0
Slope:	1.498

Error Coefficients

Standard Error:	2090000
Relative Standard Error:	8.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.02839	4.8	902023.0	1.419476	N
2	IC 140-46159/10	0.04	0.052247	4.8	889589.0	1.306176	N
3	IC 140-46159/11	0.08	0.104006	4.8	887761.0	1.30008	Y
4	IC 140-46159/12	0.16	0.213907	4.8	924942.0	1.336916	Y
5	IC 140-46159/13	0.4	0.586082	4.8	948342.0	1.465206	Y
6	IC 140-46159/14	1.0	1.550807	4.8	968099.0	1.550807	Y
7	ICIS 140-46159/15	2.0	3.182134	4.8	1008042.0	1.591067	Y
8	IC 140-46159/21	4.0	6.560769	4.8	1038828.0	1.640192	Y
9	IC 140-46159/5	8.0	12.397799	4.8	1020231.0	1.549725	Y
10	IC 140-46159/3	16.0	24.772996	4.8	890383.0	1.548312	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

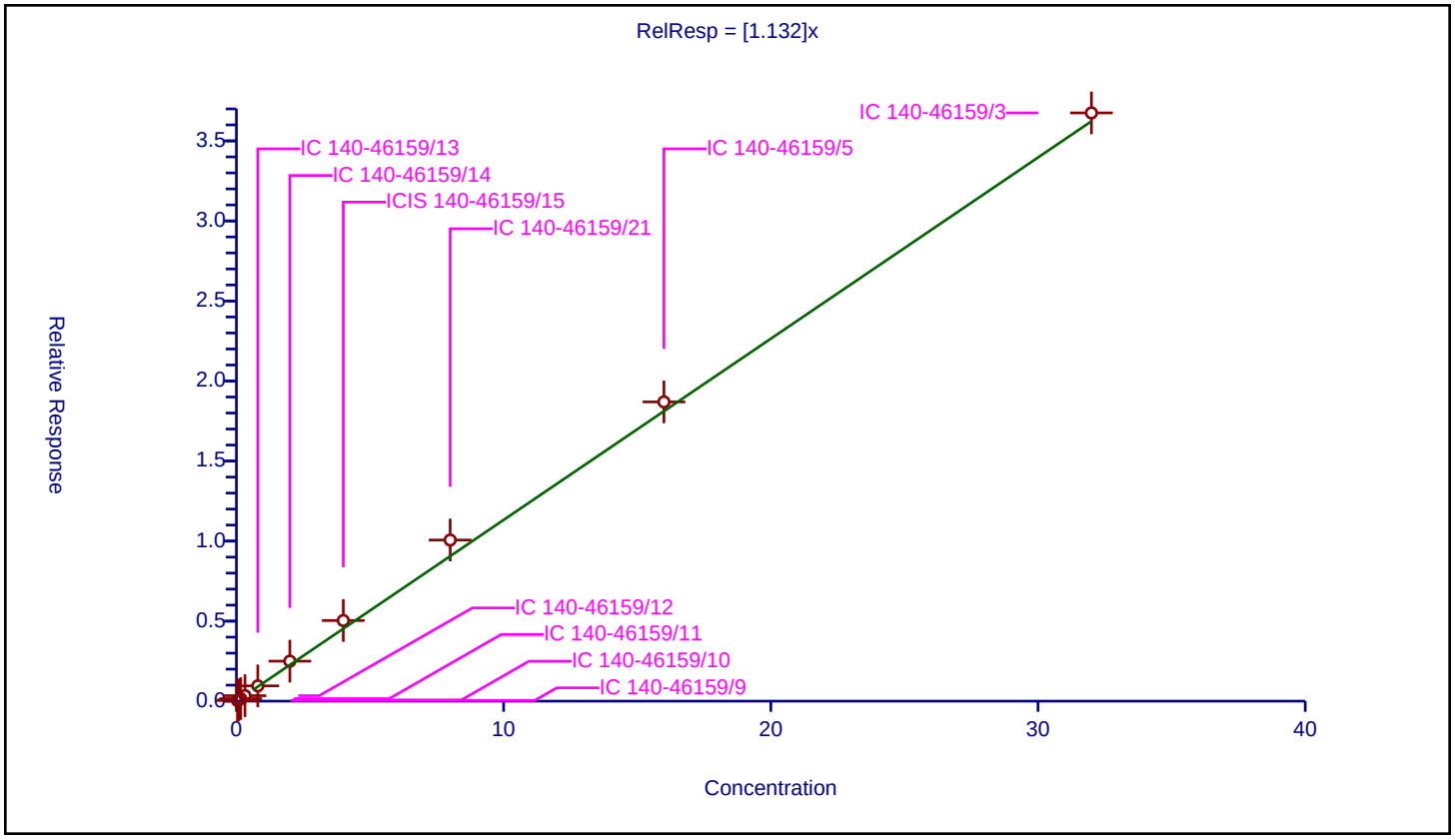
Curve Coefficients

Intercept:	0
Slope:	1.132

Error Coefficients

Standard Error:	2760000
Relative Standard Error:	10.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.04	0.040932	4.8	902023.0	1.0233	Y
2	IC 140-46159/10	0.08	0.07771	4.8	889589.0	0.97137	Y
3	IC 140-46159/11	0.16	0.157361	4.8	887761.0	0.983508	Y
4	IC 140-46159/12	0.32	0.341698	4.8	924942.0	1.067807	Y
5	IC 140-46159/13	0.8	0.953651	4.8	948342.0	1.192064	Y
6	IC 140-46159/14	2.0	2.497569	4.8	968099.0	1.248785	Y
7	ICIS 140-46159/15	4.0	5.037323	4.8	1008042.0	1.259331	Y
8	IC 140-46159/21	8.0	10.065474	4.8	1038828.0	1.258184	Y
9	IC 140-46159/5	16.0	18.694265	4.8	1020231.0	1.168392	Y
10	IC 140-46159/3	32.0	36.749354	4.8	890383.0	1.148417	Y



Calibration / n-Nonane

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

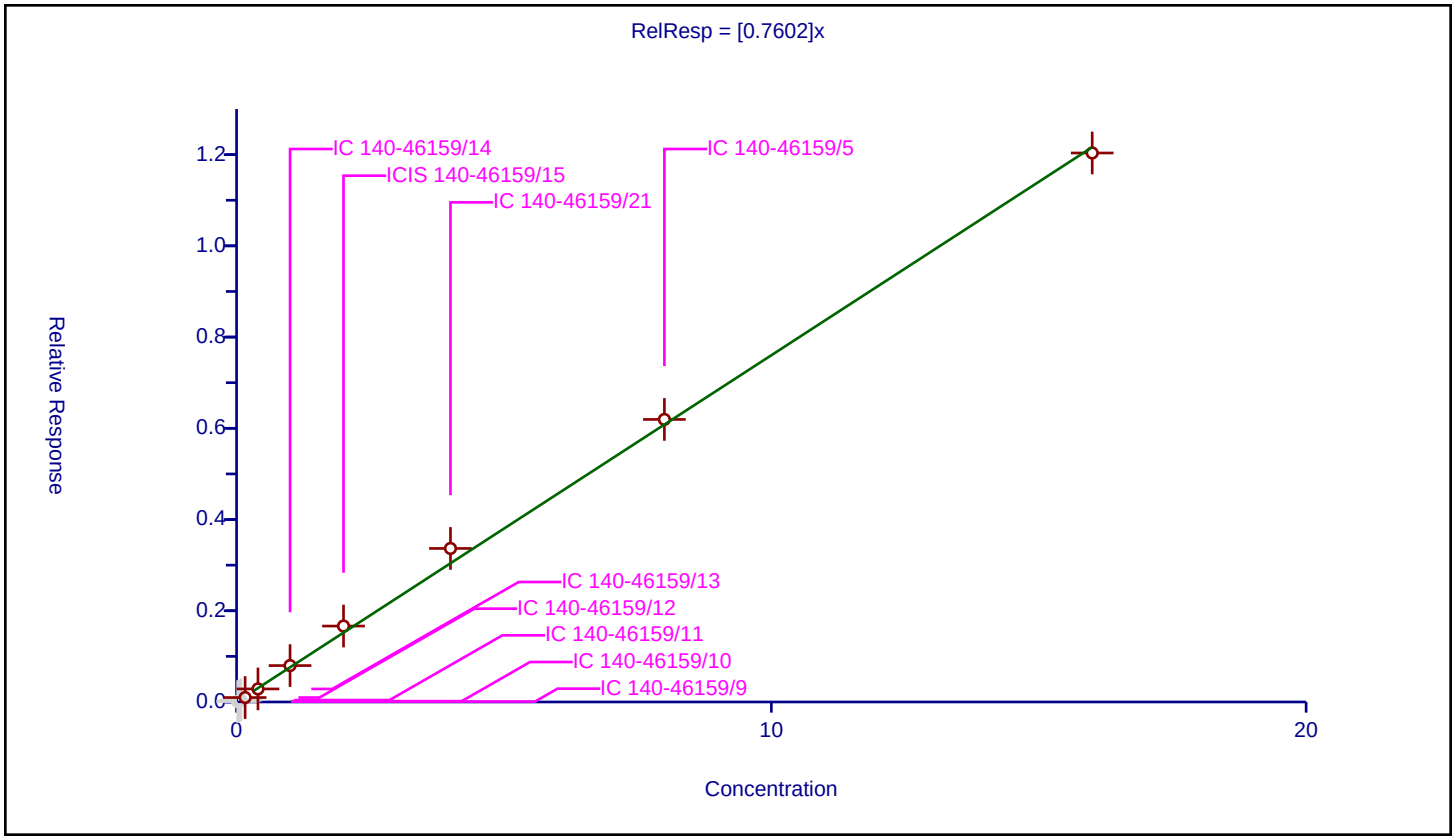
Curve Coefficients

Intercept:	0
Slope:	0.7602

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	10.6
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.009616	4.8	902023.0	0.480786	N
2	IC 140-46159/10	0.04	0.018313	4.8	889589.0	0.457829	N
3	IC 140-46159/11	0.08	0.042384	4.8	887761.0	0.529805	N
4	IC 140-46159/12	0.16	0.097106	4.8	924942.0	0.606914	Y
5	IC 140-46159/13	0.4	0.28617	4.8	948342.0	0.715425	Y
6	IC 140-46159/14	1.0	0.798513	4.8	968099.0	0.798513	Y
7	ICIS 140-46159/15	2.0	1.664554	4.8	1008042.0	0.832277	Y
8	IC 140-46159/21	4.0	3.366235	4.8	1038828.0	0.841559	Y
9	IC 140-46159/5	8.0	6.194545	4.8	1020231.0	0.774318	Y
10	IC 140-46159/3	16.0	12.036171	4.8	890383.0	0.752261	Y



Calibration / Bromoform

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

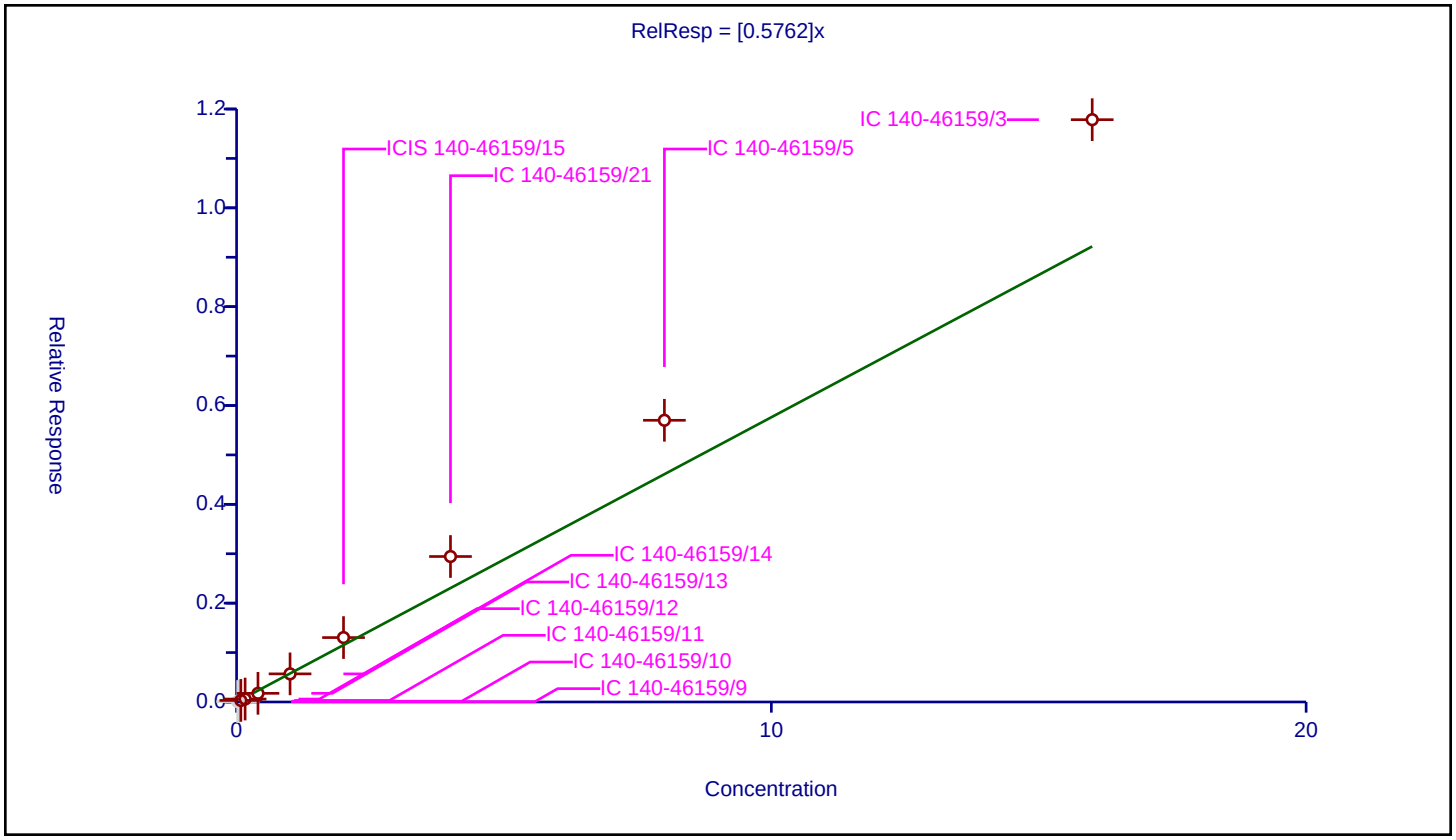
Curve Coefficients

Intercept:	0
Slope:	0.5762

Error Coefficients

Standard Error:	981000
Relative Standard Error:	27.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.929

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.008078	4.8	902023.0	0.403892	N
2	IC 140-46159/10	0.04	0.015669	4.8	889589.0	0.391731	N
3	IC 140-46159/11	0.08	0.031506	4.8	887761.0	0.393822	Y
4	IC 140-46159/12	0.16	0.05957	4.8	924942.0	0.372315	Y
5	IC 140-46159/13	0.4	0.175051	4.8	948342.0	0.437627	Y
6	IC 140-46159/14	1.0	0.56893	4.8	968099.0	0.56893	Y
7	ICIS 140-46159/15	2.0	1.303565	4.8	1008042.0	0.651782	Y
8	IC 140-46159/21	4.0	2.943862	4.8	1038828.0	0.735966	Y
9	IC 140-46159/5	8.0	5.700822	4.8	1020231.0	0.712603	Y
10	IC 140-46159/3	16.0	11.784268	4.8	890383.0	0.736517	Y



Calibration / Styrene

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

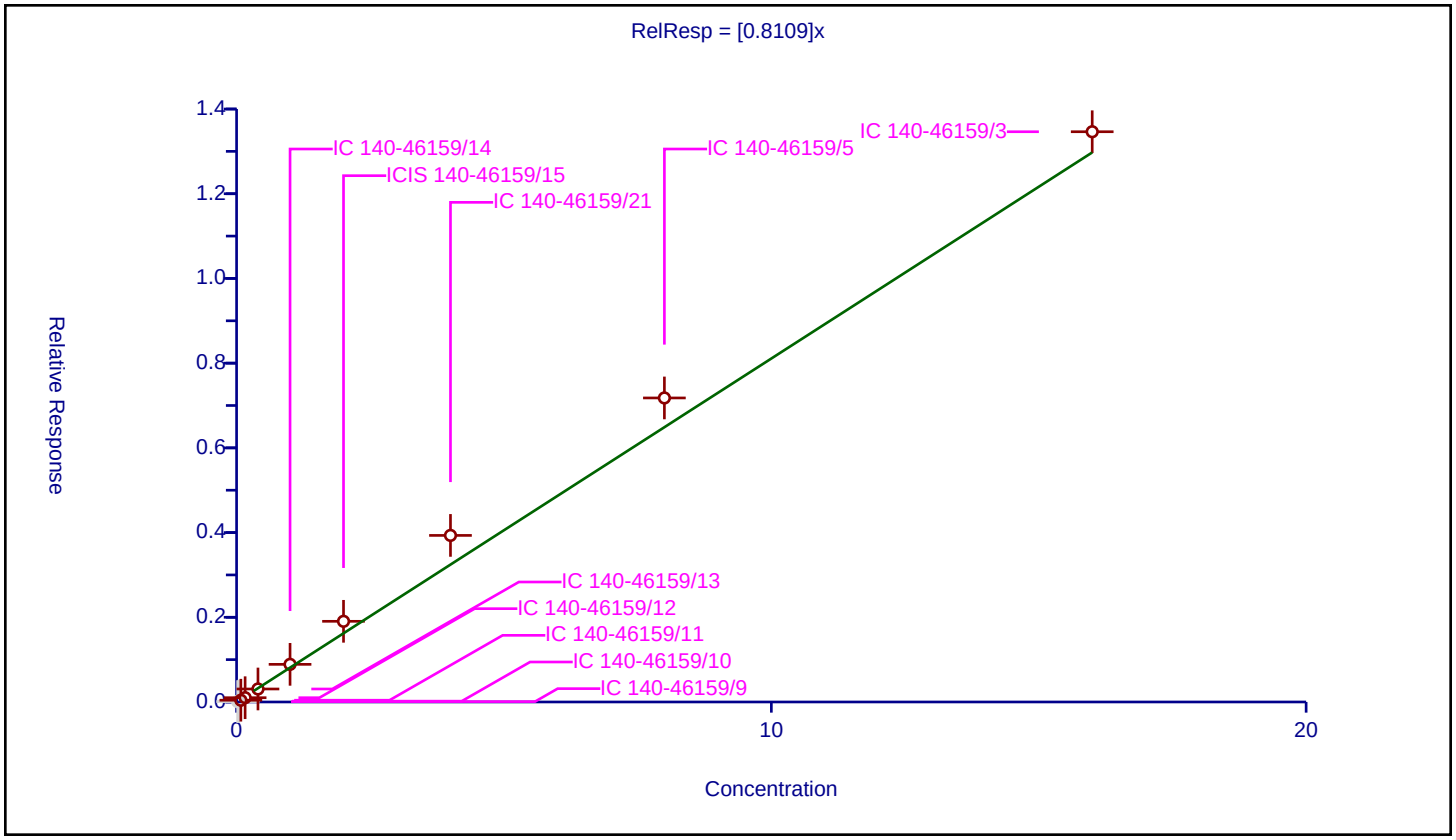
Curve Coefficients

Intercept:	0
Slope:	0.8109

Error Coefficients

Standard Error:	1160000
Relative Standard Error:	19.8
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.960

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.009408	4.8	902023.0	0.470409	N
2	IC 140-46159/10	0.04	0.019549	4.8	889589.0	0.48872	N
3	IC 140-46159/11	0.08	0.042006	4.8	887761.0	0.525074	Y
4	IC 140-46159/12	0.16	0.101175	4.8	924942.0	0.632342	Y
5	IC 140-46159/13	0.4	0.306715	4.8	948342.0	0.766787	Y
6	IC 140-46159/14	1.0	0.888891	4.8	968099.0	0.888891	Y
7	ICIS 140-46159/15	2.0	1.904573	4.8	1008042.0	0.952287	Y
8	IC 140-46159/21	4.0	3.93277	4.8	1038828.0	0.983193	Y
9	IC 140-46159/5	8.0	7.17813	4.8	1020231.0	0.897266	Y
10	IC 140-46159/3	16.0	13.463448	4.8	890383.0	0.841466	Y



Calibration / o-Xylene

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

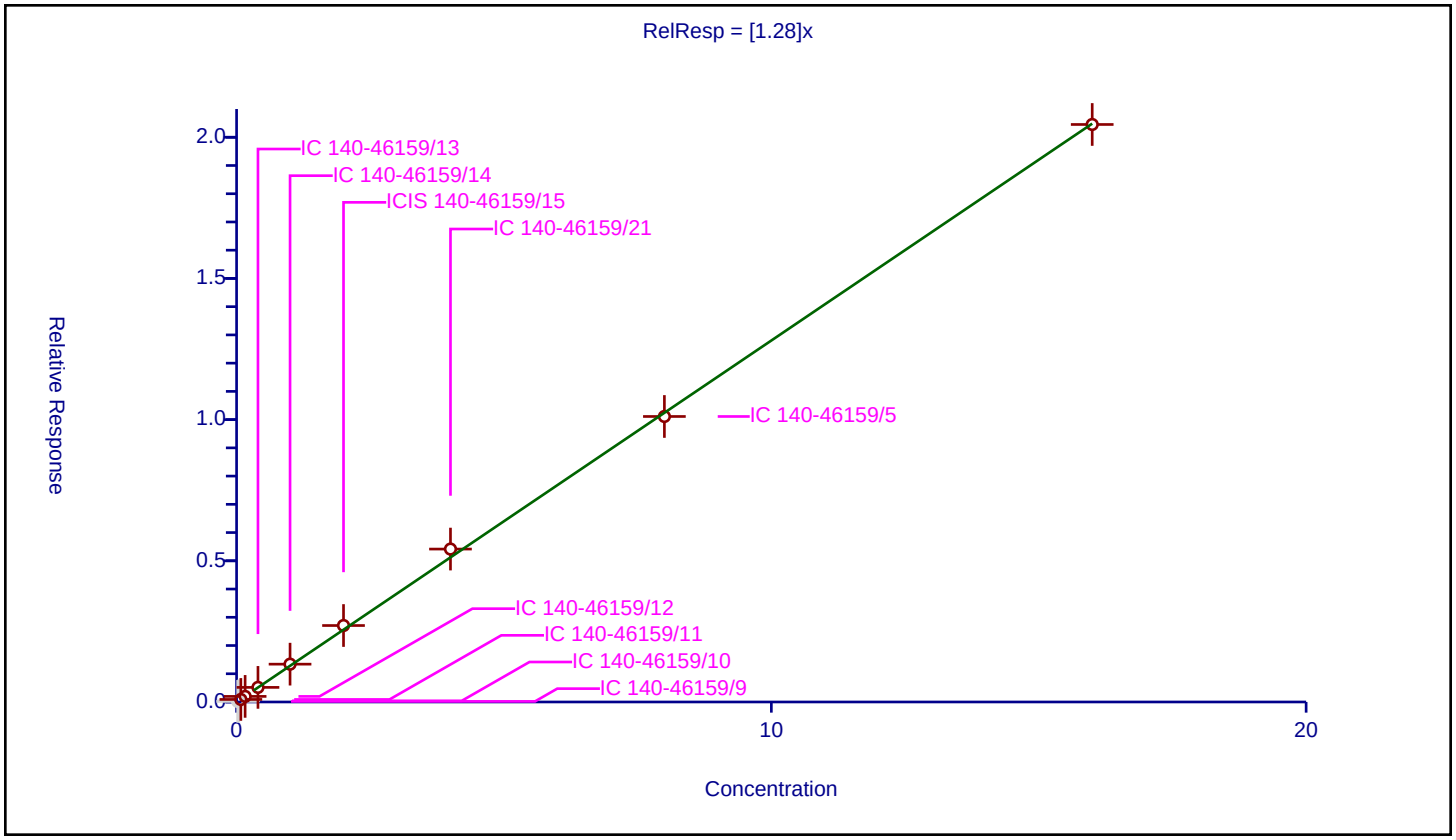
Curve Coefficients

Intercept:	0
Slope:	1.28

Error Coefficients

Standard Error:	1720000
Relative Standard Error:	6.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.021695	4.8	902023.0	1.084762	N
2	IC 140-46159/10	0.04	0.041553	4.8	889589.0	1.038817	N
3	IC 140-46159/11	0.08	0.089986	4.8	887761.0	1.12483	Y
4	IC 140-46159/12	0.16	0.197414	4.8	924942.0	1.23384	Y
5	IC 140-46159/13	0.4	0.517216	4.8	948342.0	1.29304	Y
6	IC 140-46159/14	1.0	1.33942	4.8	968099.0	1.33942	Y
7	ICIS 140-46159/15	2.0	2.708435	4.8	1008042.0	1.354217	Y
8	IC 140-46159/21	4.0	5.415218	4.8	1038828.0	1.353804	Y
9	IC 140-46159/5	8.0	10.111136	4.8	1020231.0	1.263892	Y
10	IC 140-46159/3	16.0	20.45232	4.8	890383.0	1.27827	Y



Calibration / 1,1,2,2-Tetrachloroethane

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

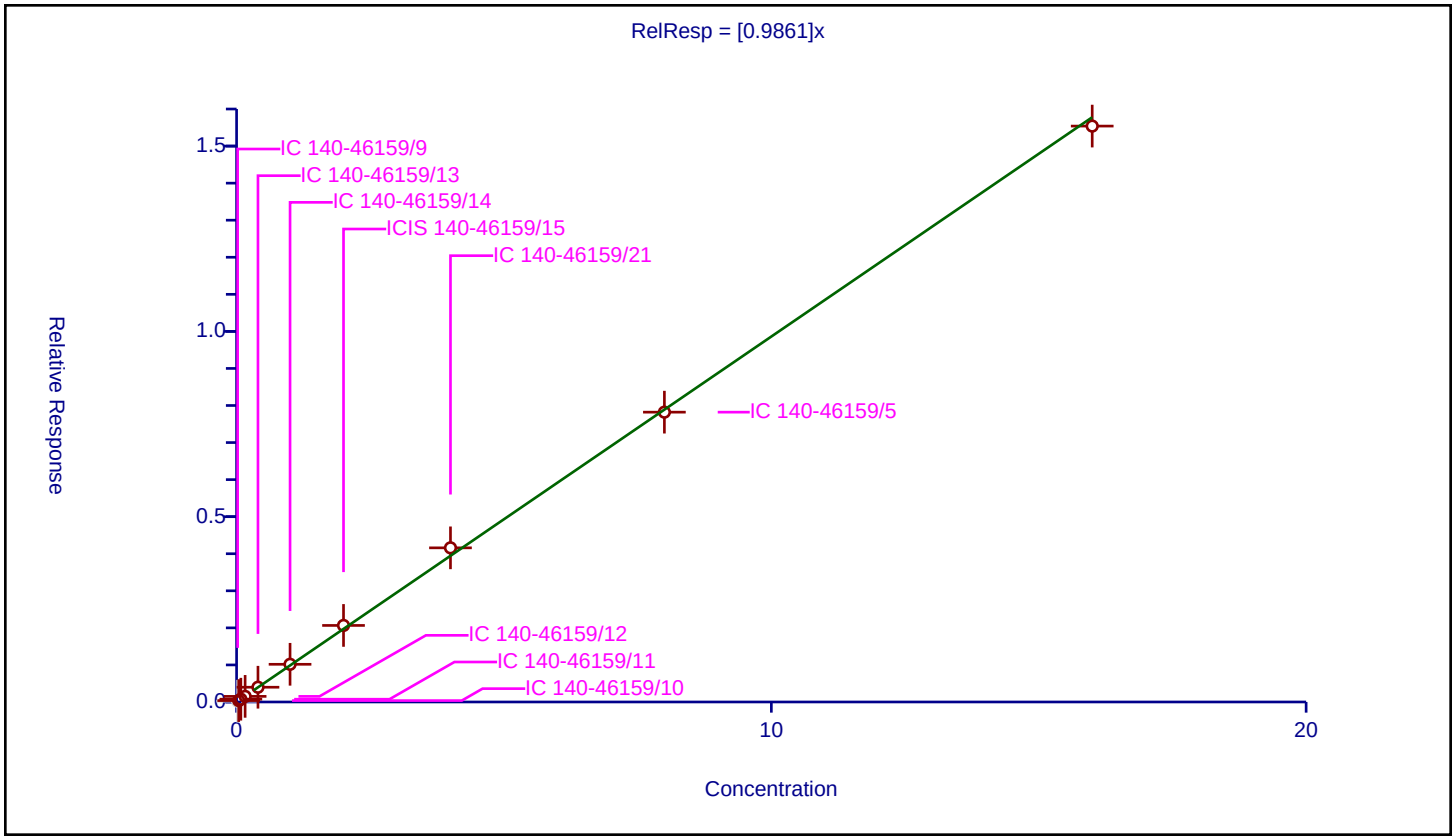
Curve Coefficients

Intercept:	0
Slope:	0.9861

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	3.8
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.02128	4.8	902023.0	1.064008	N
2	IC 140-46159/10	0.04	0.038126	4.8	889589.0	0.953159	Y
3	IC 140-46159/11	0.08	0.075404	4.8	887761.0	0.942551	Y
4	IC 140-46159/12	0.16	0.151217	4.8	924942.0	0.945108	Y
5	IC 140-46159/13	0.4	0.398145	4.8	948342.0	0.995362	Y
6	IC 140-46159/14	1.0	1.017337	4.8	968099.0	1.017337	Y
7	ICIS 140-46159/15	2.0	2.065157	4.8	1008042.0	1.032578	Y
8	IC 140-46159/21	4.0	4.159392	4.8	1038828.0	1.039848	Y
9	IC 140-46159/5	8.0	7.820347	4.8	1020231.0	0.977543	Y
10	IC 140-46159/3	16.0	15.539159	4.8	890383.0	0.971197	Y



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

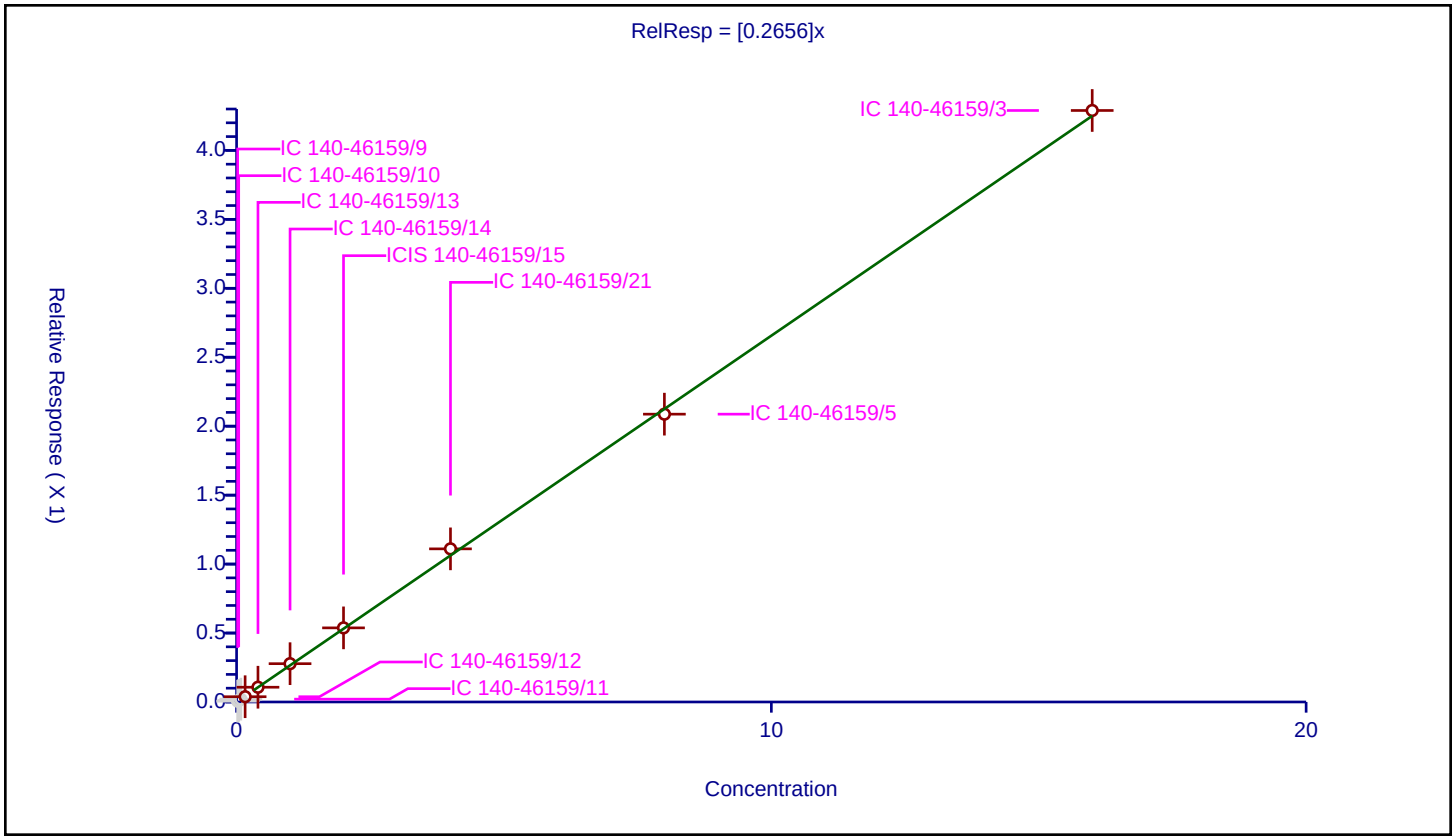
Curve Coefficients

Intercept:	0
Slope:	0.2656

Error Coefficients

Standard Error:	388000
Relative Standard Error:	5.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.005896	4.8	902023.0	0.294804	N
2	IC 140-46159/10	0.04	0.010997	4.8	889589.0	0.274913	N
3	IC 140-46159/11	0.08	0.02066	4.8	887761.0	0.258245	N
4	IC 140-46159/12	0.16	0.038179	4.8	924942.0	0.23862	Y
5	IC 140-46159/13	0.4	0.107035	4.8	948342.0	0.267587	Y
6	IC 140-46159/14	1.0	0.277851	4.8	968099.0	0.277851	Y
7	ICIS 140-46159/15	2.0	0.537406	4.8	1008042.0	0.268703	Y
8	IC 140-46159/21	4.0	1.110513	4.8	1038828.0	0.277628	Y
9	IC 140-46159/5	8.0	2.087203	4.8	1020231.0	0.2609	Y
10	IC 140-46159/3	16.0	4.289386	4.8	890383.0	0.268087	Y



Calibration / Isopropylbenzene

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

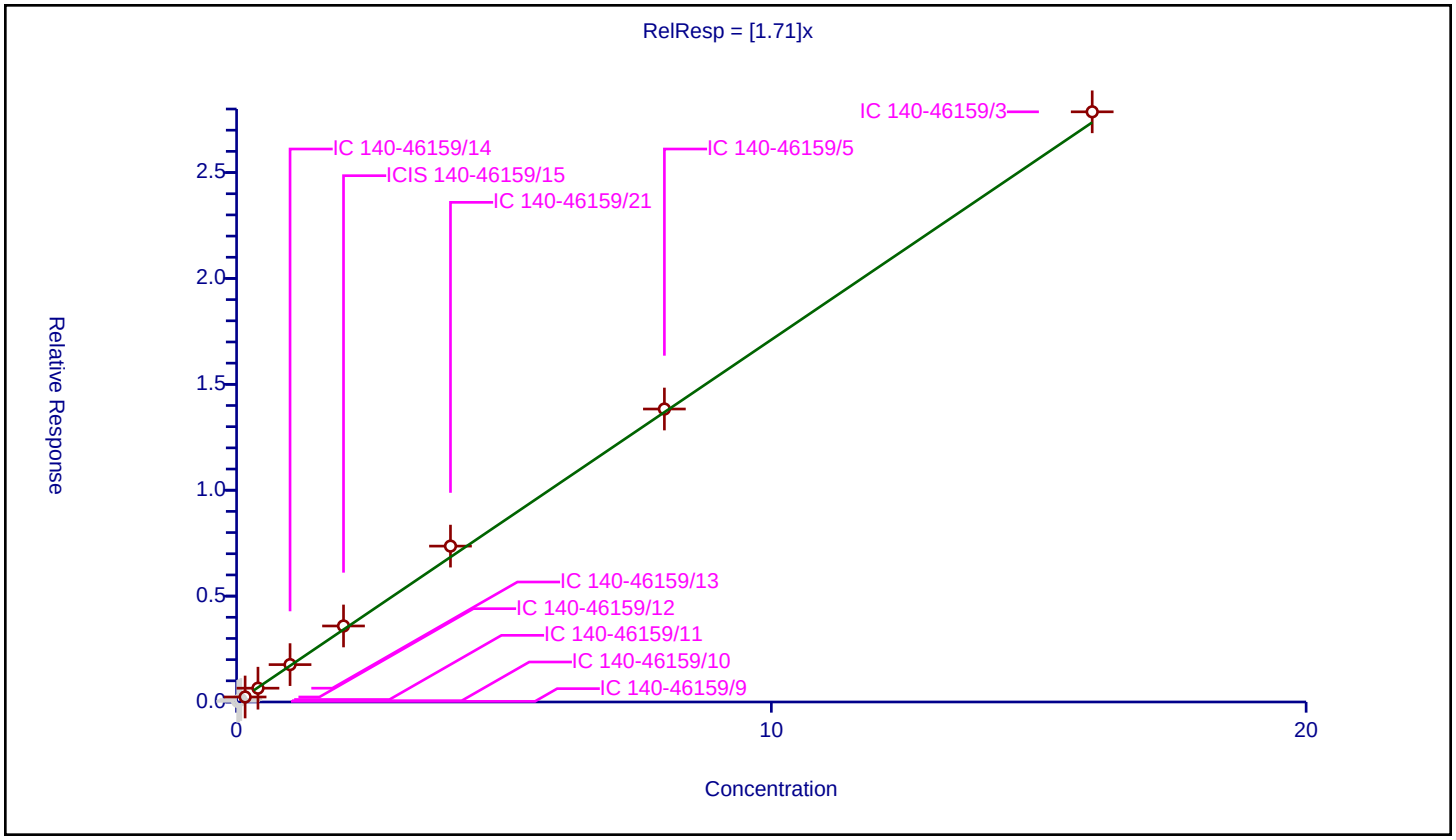
Curve Coefficients

Intercept:	0
Slope:	1.71

Error Coefficients

Standard Error:	2540000
Relative Standard Error:	7.2
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.031417	4.8	902023.0	1.570869	N
2	IC 140-46159/10	0.04	0.061862	4.8	889589.0	1.546557	N
3	IC 140-46159/11	0.08	0.117161	4.8	887761.0	1.464516	N
4	IC 140-46159/12	0.16	0.235832	4.8	924942.0	1.473952	Y
5	IC 140-46159/13	0.4	0.651193	4.8	948342.0	1.627982	Y
6	IC 140-46159/14	1.0	1.765347	4.8	968099.0	1.765347	Y
7	ICIS 140-46159/15	2.0	3.589922	4.8	1008042.0	1.794961	Y
8	IC 140-46159/21	4.0	7.360635	4.8	1038828.0	1.840159	Y
9	IC 140-46159/5	8.0	13.833587	4.8	1020231.0	1.729198	Y
10	IC 140-46159/3	16.0	27.8683	4.8	890383.0	1.741769	Y



Calibration / 4-Bromofluorobenzene (Surr)

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

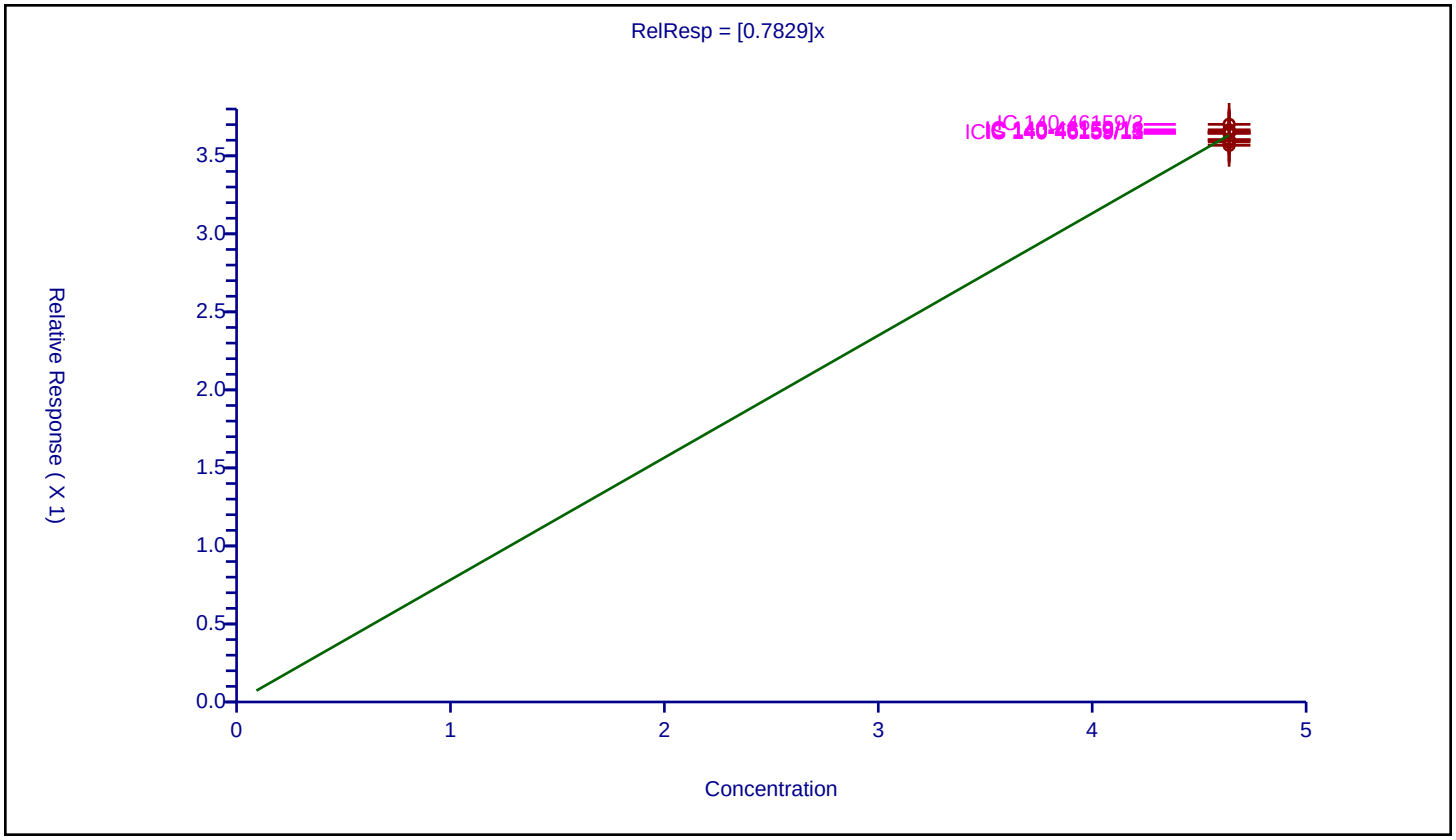
Curve Coefficients

Intercept:	0
Slope:	0.7829

Error Coefficients

Standard Error:	757000
Relative Standard Error:	1.1
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/3	4.64	3.701688	4.8	890383.0	0.797778	Y
2	IC 140-46159/5	4.64	3.600836	4.8	1020231.0	0.776042	Y
3	IC 140-46159/9	4.64	3.567325	4.8	902023.0	0.76882	Y
4	IC 140-46159/10	4.64	3.588352	4.8	889589.0	0.773352	Y
5	IC 140-46159/11	4.64	3.64969	4.8	887761.0	0.786571	Y
6	IC 140-46159/12	4.64	3.644757	4.8	924942.0	0.785508	Y
7	IC 140-46159/13	4.64	3.657081	4.8	948342.0	0.788164	Y
8	IC 140-46159/14	4.64	3.667108	4.8	968099.0	0.790325	Y
9	ICIS 140-46159/15	4.64	3.64502	4.8	1008042.0	0.785565	Y
10	IC 140-46159/21	4.64	3.604182	4.8	1038828.0	0.776763	Y



Calibration / N-Propylbenzene

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

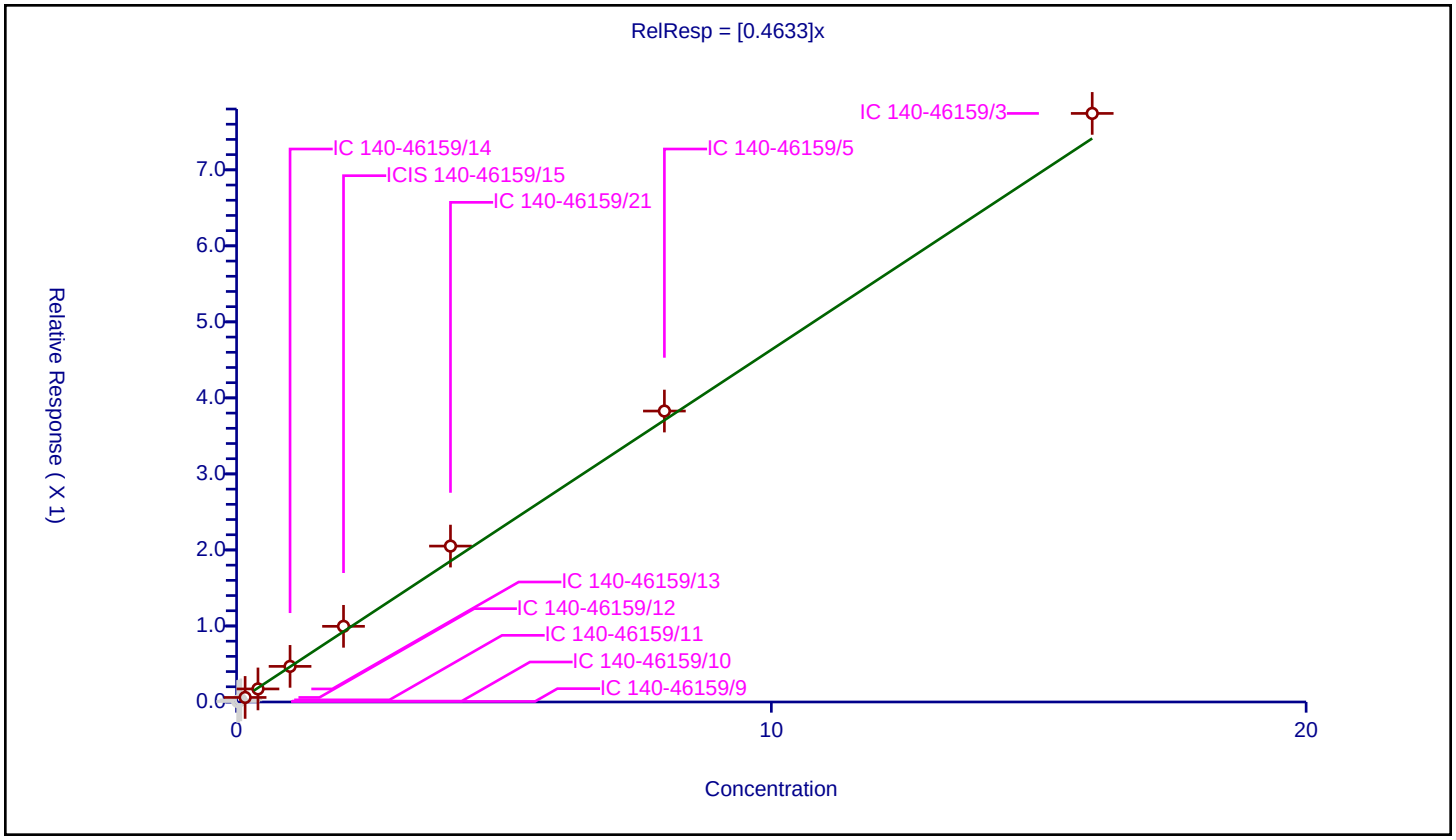
Curve Coefficients

Intercept:	0
Slope:	0.4633

Error Coefficients

Standard Error:	704000
Relative Standard Error:	10.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.007019	4.8	902023.0	0.350944	N
2	IC 140-46159/10	0.04	0.011693	4.8	889589.0	0.292315	N
3	IC 140-46159/11	0.08	0.028126	4.8	887761.0	0.351581	N
4	IC 140-46159/12	0.16	0.059633	4.8	924942.0	0.372704	Y
5	IC 140-46159/13	0.4	0.171695	4.8	948342.0	0.429238	Y
6	IC 140-46159/14	1.0	0.468607	4.8	968099.0	0.468607	Y
7	ICIS 140-46159/15	2.0	0.995225	4.8	1008042.0	0.497613	Y
8	IC 140-46159/21	4.0	2.050813	4.8	1038828.0	0.512703	Y
9	IC 140-46159/5	8.0	3.82727	4.8	1020231.0	0.478409	Y
10	IC 140-46159/3	16.0	7.742261	4.8	890383.0	0.483891	Y



Calibration / 2-Chlorotoluene

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

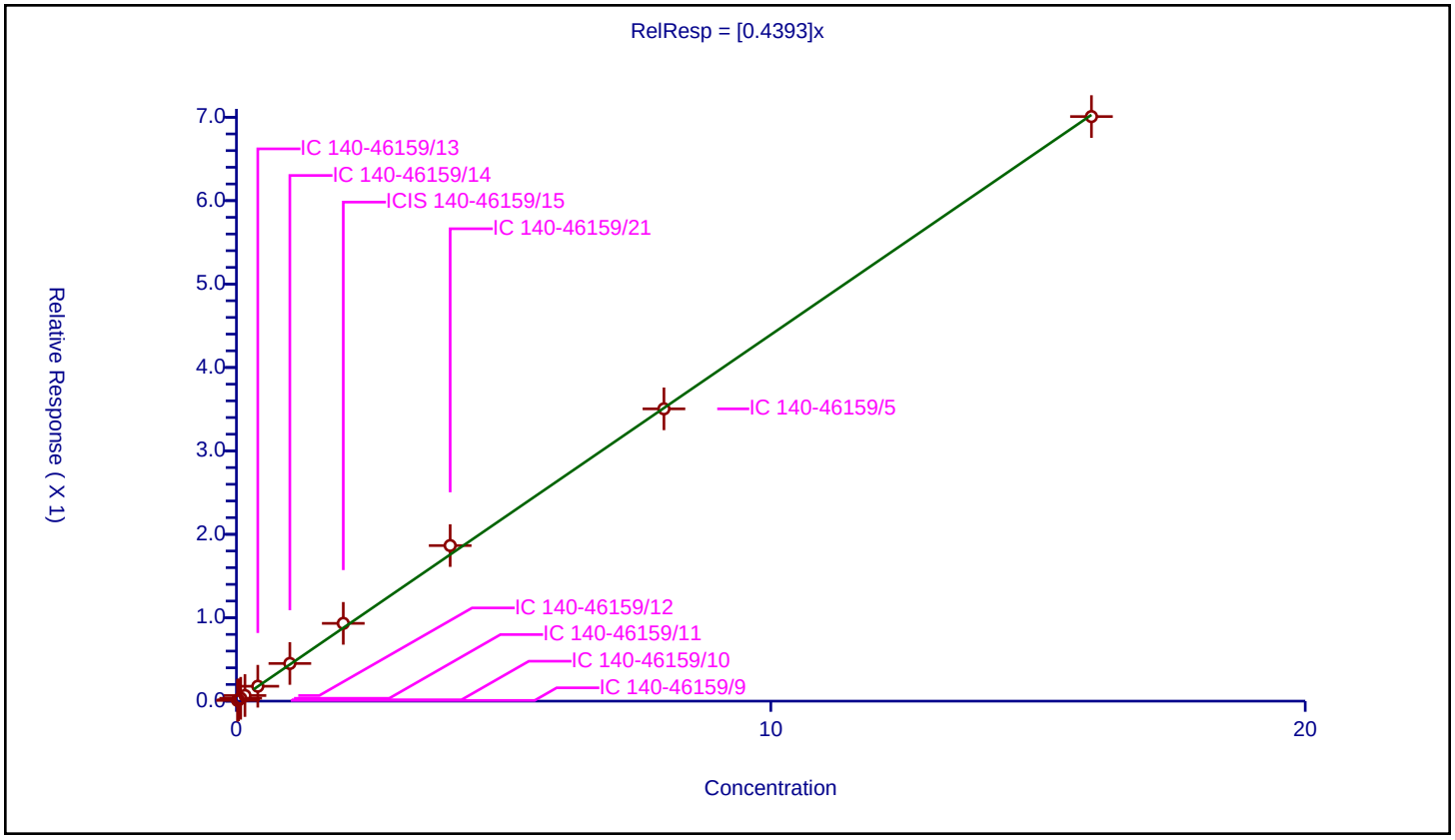
Curve Coefficients

Intercept:	0
Slope:	0.4393

Error Coefficients

Standard Error:	522000
Relative Standard Error:	4.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.00877	4.8	902023.0	0.438481	Y
2	IC 140-46159/10	0.04	0.01602	4.8	889589.0	0.4005	Y
3	IC 140-46159/11	0.08	0.034188	4.8	887761.0	0.427345	Y
4	IC 140-46159/12	0.16	0.067199	4.8	924942.0	0.419994	Y
5	IC 140-46159/13	0.4	0.178498	4.8	948342.0	0.446244	Y
6	IC 140-46159/14	1.0	0.451585	4.8	968099.0	0.451585	Y
7	ICIS 140-46159/15	2.0	0.932537	4.8	1008042.0	0.466269	Y
8	IC 140-46159/21	4.0	1.865125	4.8	1038828.0	0.466281	Y
9	IC 140-46159/5	8.0	3.504228	4.8	1020231.0	0.438028	Y
10	IC 140-46159/3	16.0	7.008069	4.8	890383.0	0.438004	Y



Calibration / 4-Ethyltoluene

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

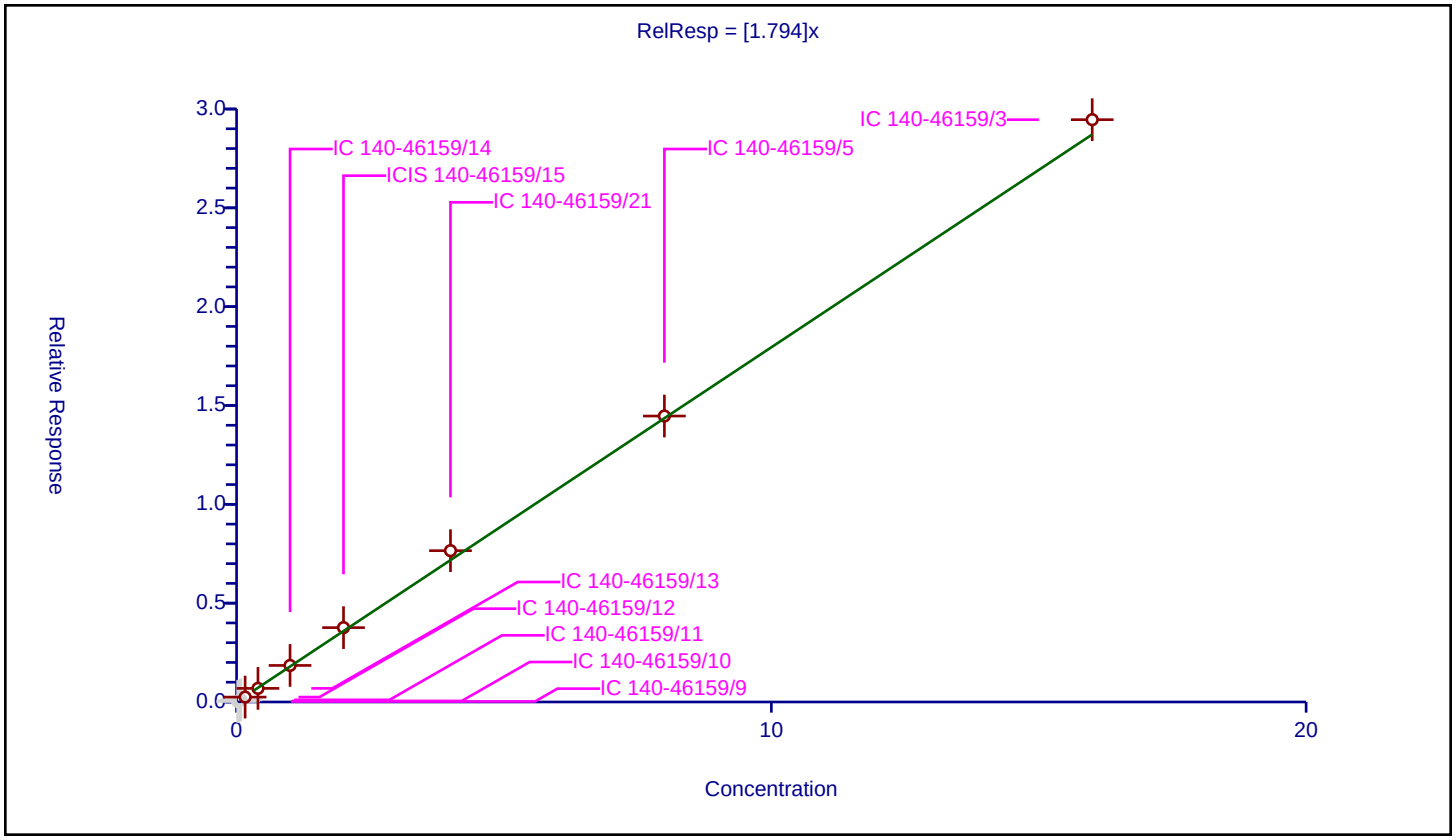
Curve Coefficients

Intercept:	0
Slope:	1.794

Error Coefficients

Standard Error:	2670000
Relative Standard Error:	7.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.026341	4.8	902023.0	1.31704	N
2	IC 140-46159/10	0.04	0.052954	4.8	889589.0	1.323847	N
3	IC 140-46159/11	0.08	0.108575	4.8	887761.0	1.35719	N
4	IC 140-46159/12	0.16	0.247265	4.8	924942.0	1.545405	Y
5	IC 140-46159/13	0.4	0.688714	4.8	948342.0	1.721784	Y
6	IC 140-46159/14	1.0	1.849289	4.8	968099.0	1.849289	Y
7	ICIS 140-46159/15	2.0	3.761434	4.8	1008042.0	1.880717	Y
8	IC 140-46159/21	4.0	7.655794	4.8	1038828.0	1.913948	Y
9	IC 140-46159/5	8.0	14.467914	4.8	1020231.0	1.808489	Y
10	IC 140-46159/3	16.0	29.460606	4.8	890383.0	1.841288	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

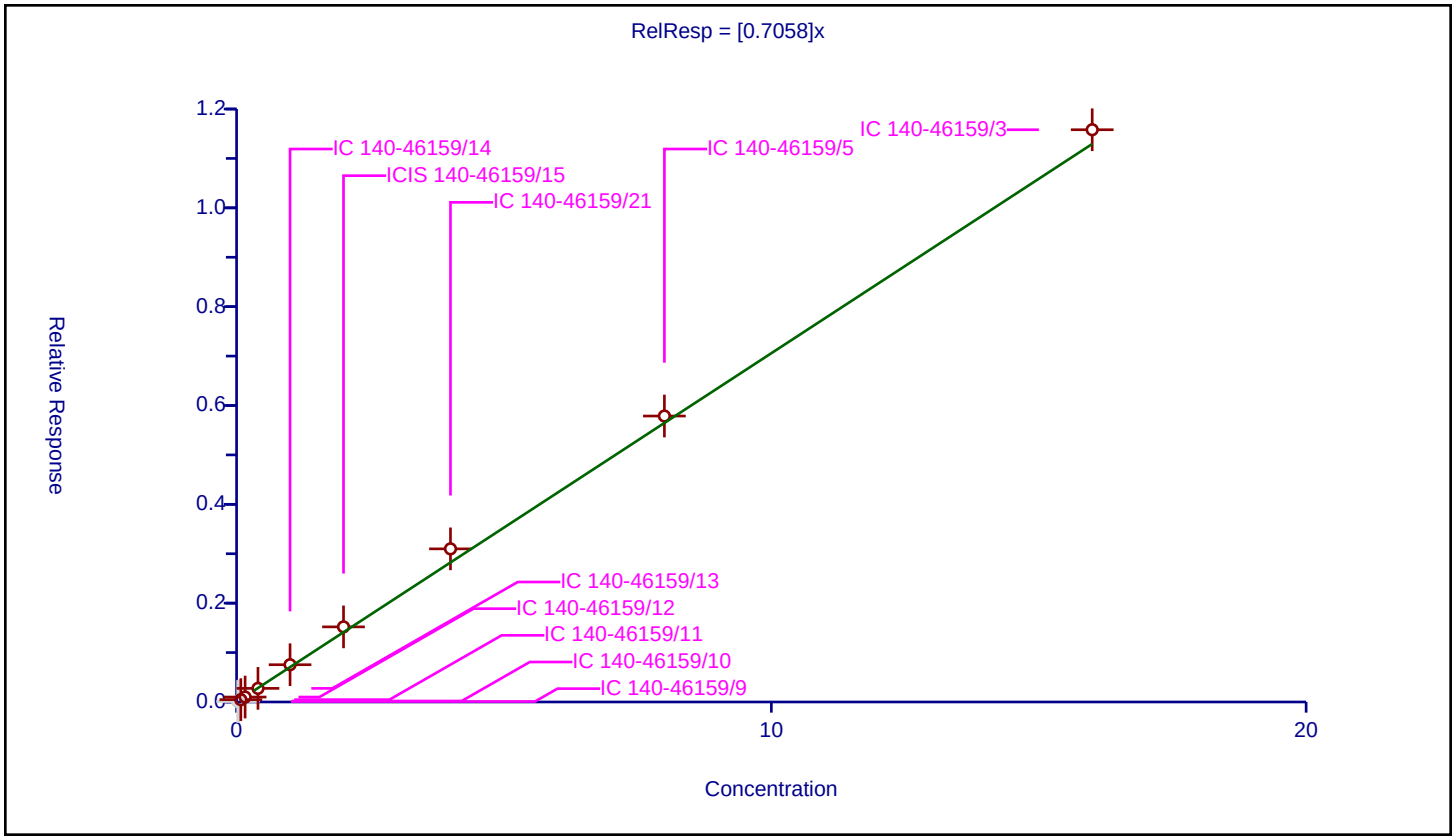
Curve Coefficients

Intercept:	0
Slope:	0.7058

Error Coefficients

Standard Error:	979000
Relative Standard Error:	9.2
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.009871	4.8	902023.0	0.493557	N
2	IC 140-46159/10	0.04	0.020169	4.8	889589.0	0.504233	N
3	IC 140-46159/11	0.08	0.047716	4.8	887761.0	0.596444	Y
4	IC 140-46159/12	0.16	0.099992	4.8	924942.0	0.624947	Y
5	IC 140-46159/13	0.4	0.275556	4.8	948342.0	0.688891	Y
6	IC 140-46159/14	1.0	0.754311	4.8	968099.0	0.754311	Y
7	ICIS 140-46159/15	2.0	1.519794	4.8	1008042.0	0.759897	Y
8	IC 140-46159/21	4.0	3.098943	4.8	1038828.0	0.774736	Y
9	IC 140-46159/5	8.0	5.786906	4.8	1020231.0	0.723363	Y
10	IC 140-46159/3	16.0	11.580825	4.8	890383.0	0.723802	Y



Calibration / Alpha Methyl Styrene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

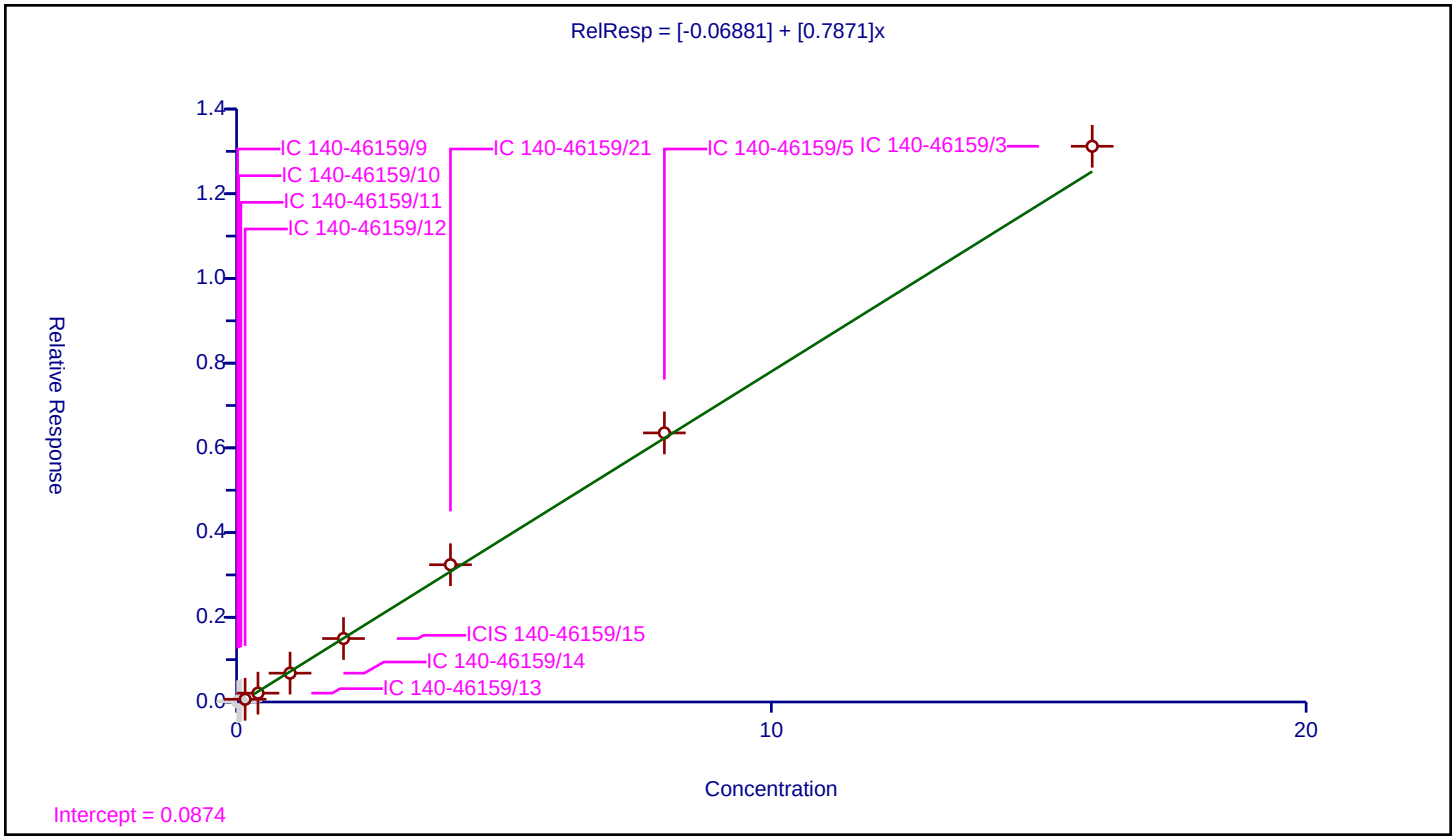
Curve Coefficients

Intercept:	-0.06881
Slope:	0.7871

Error Coefficients

Standard Error:	1290000
Relative Standard Error:	7.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.006763	4.8	902023.0	0.338173	N
2	IC 140-46159/10	0.04	0.01289	4.8	889589.0	0.322261	N
3	IC 140-46159/11	0.08	0.030354	4.8	887761.0	0.379426	N
4	IC 140-46159/12	0.16	0.063753	4.8	924942.0	0.398457	Y
5	IC 140-46159/13	0.4	0.208598	4.8	948342.0	0.521495	Y
6	IC 140-46159/14	1.0	0.681144	4.8	968099.0	0.681144	Y
7	ICIS 140-46159/15	2.0	1.497952	4.8	1008042.0	0.748976	Y
8	IC 140-46159/21	4.0	3.241012	4.8	1038828.0	0.810253	Y
9	IC 140-46159/5	8.0	6.353074	4.8	1020231.0	0.794134	Y
10	IC 140-46159/3	16.0	13.120482	4.8	890383.0	0.82003	Y



Calibration / n-Decane

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

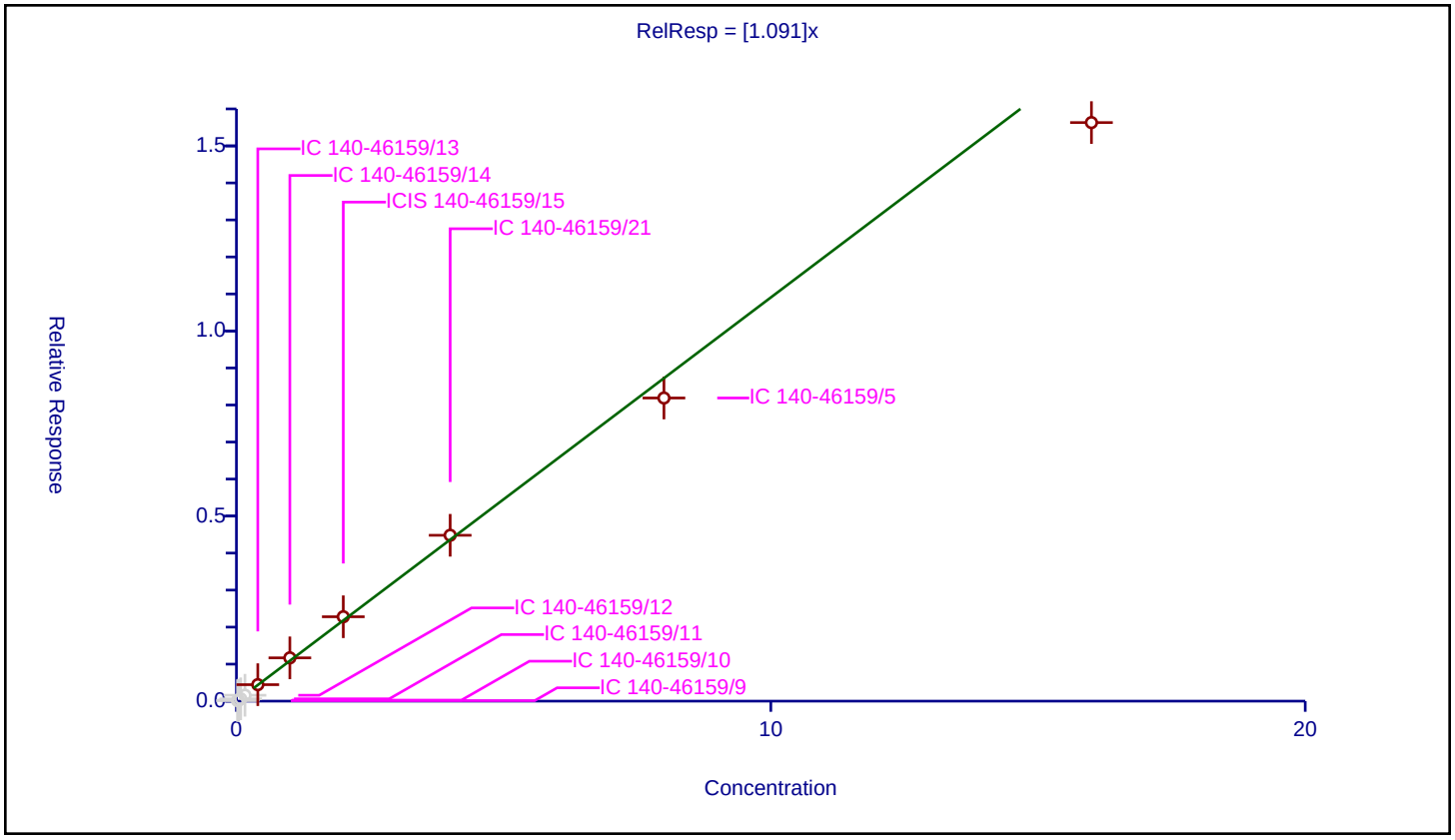
Curve Coefficients

Intercept:	0
Slope:	1.091

Error Coefficients

Standard Error:	1590000
Relative Standard Error:	6.8
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.013234	4.8	902023.0	0.661713	N
2	IC 140-46159/10	0.04	0.027502	4.8	889589.0	0.687553	N
3	IC 140-46159/11	0.08	0.062752	4.8	887761.0	0.7844	N
4	IC 140-46159/12	0.16	0.159557	4.8	924942.0	0.99723	N
5	IC 140-46159/13	0.4	0.445196	4.8	948342.0	1.112991	Y
6	IC 140-46159/14	1.0	1.169528	4.8	968099.0	1.169528	Y
7	ICIS 140-46159/15	2.0	2.279719	4.8	1008042.0	1.13986	Y
8	IC 140-46159/21	4.0	4.481054	4.8	1038828.0	1.120264	Y
9	IC 140-46159/5	8.0	8.189063	4.8	1020231.0	1.023633	Y
10	IC 140-46159/3	16.0	15.630331	4.8	890383.0	0.976896	Y



Calibration / tert-Butylbenzene

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

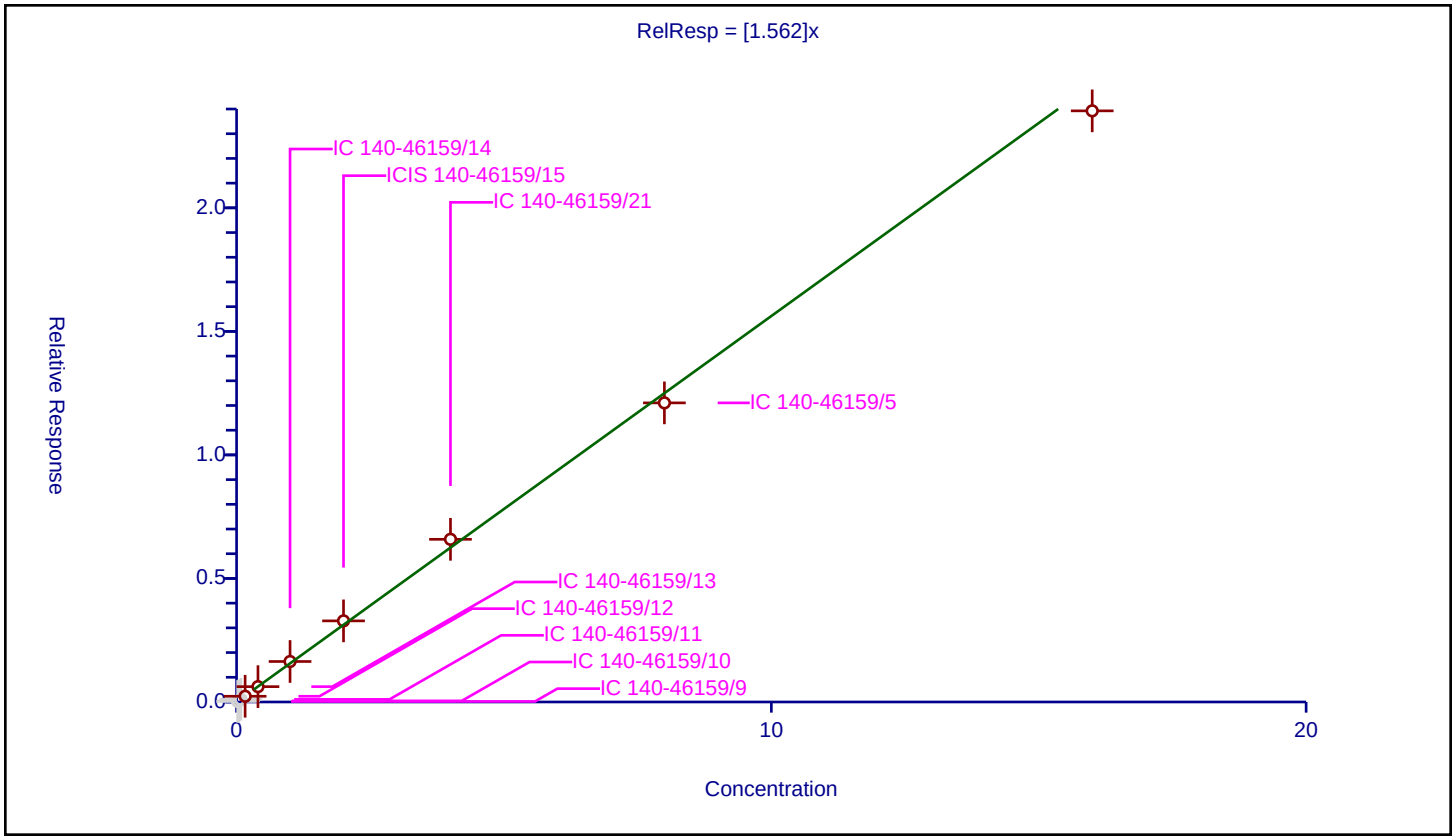
Curve Coefficients

Intercept:	0
Slope:	1.562

Error Coefficients

Standard Error:	2200000
Relative Standard Error:	5.2
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.021881	4.8	902023.0	1.094074	N
2	IC 140-46159/10	0.04	0.045573	4.8	889589.0	1.139313	N
3	IC 140-46159/11	0.08	0.106715	4.8	887761.0	1.33394	N
4	IC 140-46159/12	0.16	0.231639	4.8	924942.0	1.447745	Y
5	IC 140-46159/13	0.4	0.620682	4.8	948342.0	1.551706	Y
6	IC 140-46159/14	1.0	1.639419	4.8	968099.0	1.639419	Y
7	ICIS 140-46159/15	2.0	3.282182	4.8	1008042.0	1.641091	Y
8	IC 140-46159/21	4.0	6.584422	4.8	1038828.0	1.646105	Y
9	IC 140-46159/5	8.0	12.106011	4.8	1020231.0	1.513251	Y
10	IC 140-46159/3	16.0	23.925077	4.8	890383.0	1.495317	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

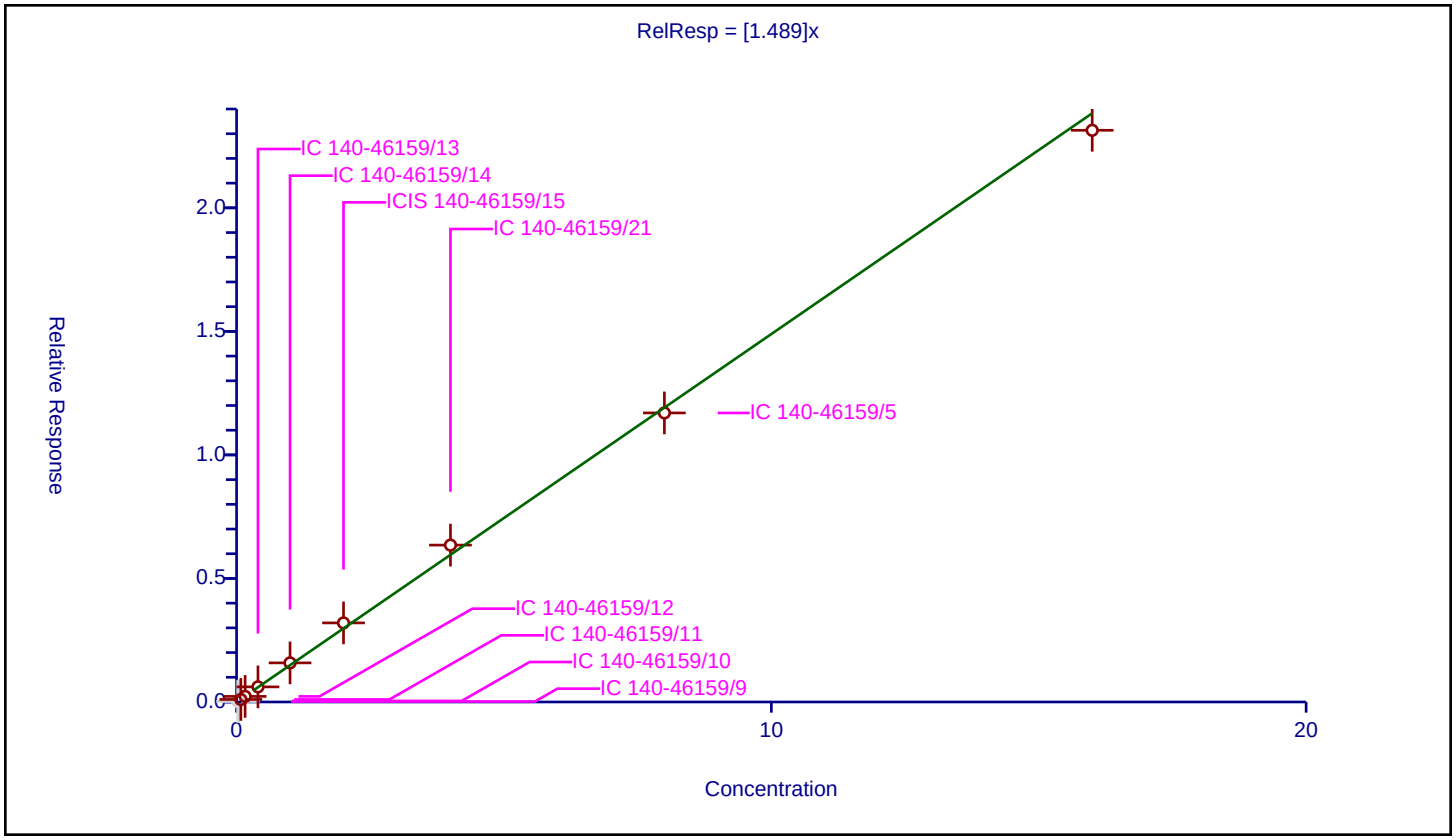
Curve Coefficients

Intercept:	0
Slope:	1.489

Error Coefficients

Standard Error:	1970000
Relative Standard Error:	7.1
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.020434	4.8	902023.0	1.021703	N
2	IC 140-46159/10	0.04	0.043916	4.8	889589.0	1.0979	N
3	IC 140-46159/11	0.08	0.103406	4.8	887761.0	1.292578	Y
4	IC 140-46159/12	0.16	0.226195	4.8	924942.0	1.413721	Y
5	IC 140-46159/13	0.4	0.611425	4.8	948342.0	1.528562	Y
6	IC 140-46159/14	1.0	1.58244	4.8	968099.0	1.58244	Y
7	ICIS 140-46159/15	2.0	3.200595	4.8	1008042.0	1.600298	Y
8	IC 140-46159/21	4.0	6.350033	4.8	1038828.0	1.587508	Y
9	IC 140-46159/5	8.0	11.699233	4.8	1020231.0	1.462404	Y
10	IC 140-46159/3	16.0	23.139234	4.8	890383.0	1.446202	Y



Calibration / sec-Butylbenzene

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

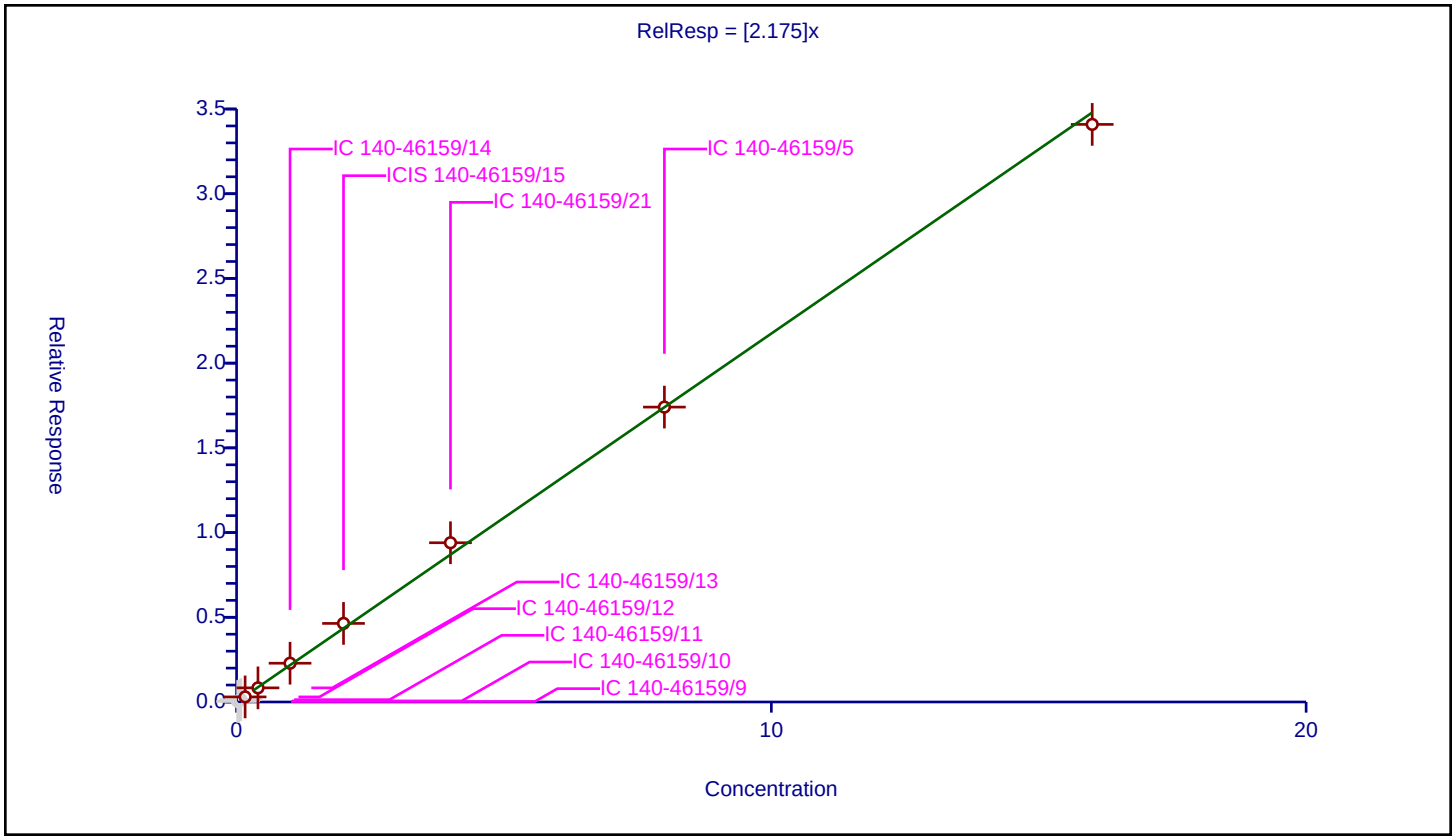
Curve Coefficients

Intercept:	0
Slope:	2.175

Error Coefficients

Standard Error:	3140000
Relative Standard Error:	7.6
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.032546	4.8	902023.0	1.627276	N
2	IC 140-46159/10	0.04	0.064166	4.8	889589.0	1.604157	N
3	IC 140-46159/11	0.08	0.137929	4.8	887761.0	1.724113	N
4	IC 140-46159/12	0.16	0.299876	4.8	924942.0	1.874226	Y
5	IC 140-46159/13	0.4	0.833998	4.8	948342.0	2.084995	Y
6	IC 140-46159/14	1.0	2.287898	4.8	968099.0	2.287898	Y
7	ICIS 140-46159/15	2.0	4.638026	4.8	1008042.0	2.319013	Y
8	IC 140-46159/21	4.0	9.39899	4.8	1038828.0	2.349748	Y
9	IC 140-46159/5	8.0	17.40523	4.8	1020231.0	2.175654	Y
10	IC 140-46159/3	16.0	34.091303	4.8	890383.0	2.130706	Y



Calibration / 1,3-Dichlorobenzene

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

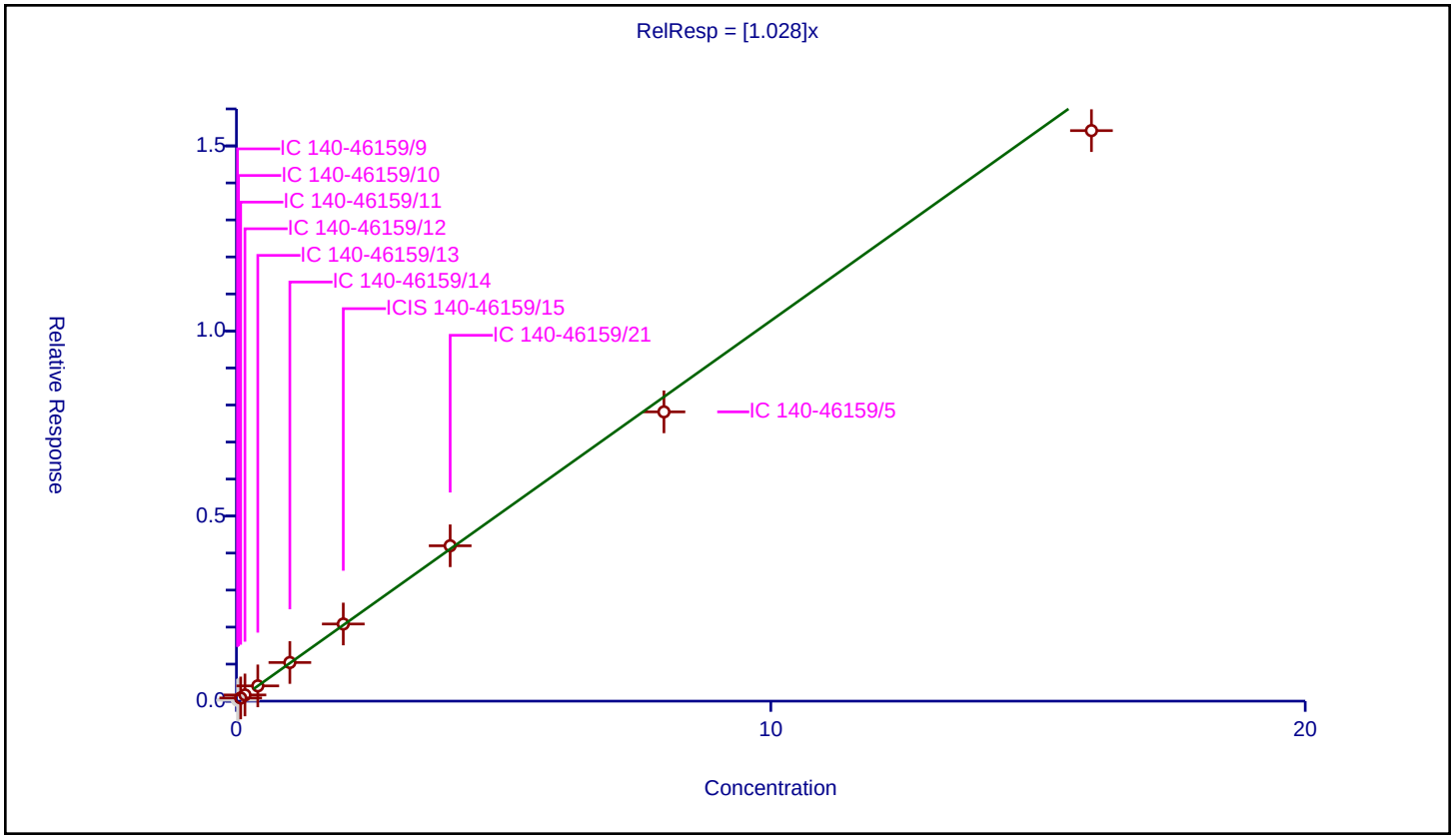
Curve Coefficients

Intercept:	0
Slope:	1.028

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	3.6
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.024712	4.8	902023.0	1.235623	N
2	IC 140-46159/10	0.04	0.04486	4.8	889589.0	1.121507	N
3	IC 140-46159/11	0.08	0.085645	4.8	887761.0	1.070558	Y
4	IC 140-46159/12	0.16	0.16718	4.8	924942.0	1.044876	Y
5	IC 140-46159/13	0.4	0.412069	4.8	948342.0	1.030173	Y
6	IC 140-46159/14	1.0	1.043333	4.8	968099.0	1.043333	Y
7	ICIS 140-46159/15	2.0	2.084208	4.8	1008042.0	1.042104	Y
8	IC 140-46159/21	4.0	4.197456	4.8	1038828.0	1.049364	Y
9	IC 140-46159/5	8.0	7.814983	4.8	1020231.0	0.976873	Y
10	IC 140-46159/3	16.0	15.413071	4.8	890383.0	0.963317	Y



Calibration / Benzyl chloride

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

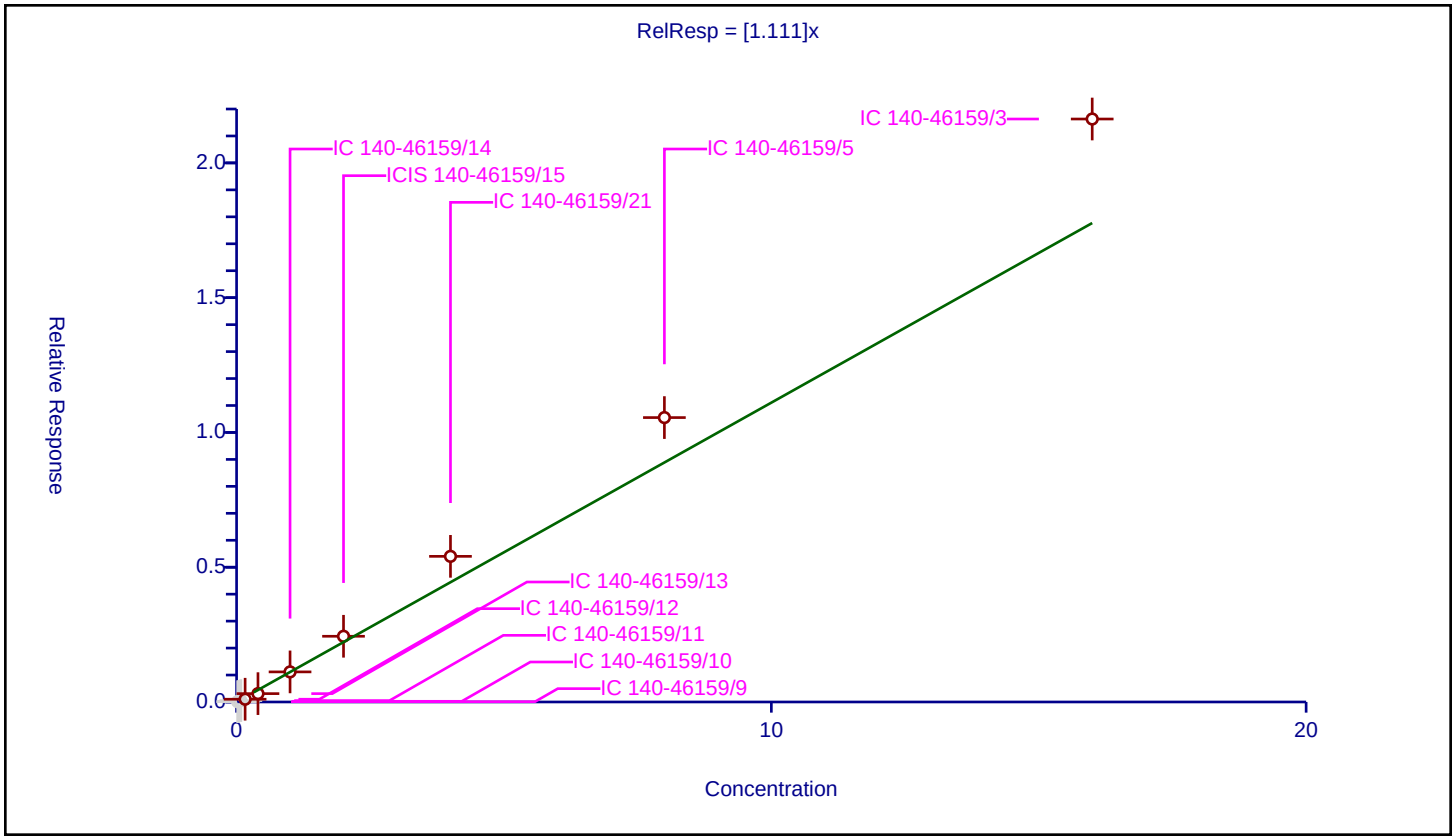
Curve Coefficients

Intercept:	0
Slope:	1.111

Error Coefficients

Standard Error:	1950000
Relative Standard Error:	26.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.934

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.011542	4.8	902023.0	0.577103	N
2	IC 140-46159/10	0.04	0.025333	4.8	889589.0	0.633326	N
3	IC 140-46159/11	0.08	0.051814	4.8	887761.0	0.647674	N
4	IC 140-46159/12	0.16	0.102784	4.8	924942.0	0.642397	Y
5	IC 140-46159/13	0.4	0.309721	4.8	948342.0	0.774303	Y
6	IC 140-46159/14	1.0	1.116768	4.8	968099.0	1.116768	Y
7	ICIS 140-46159/15	2.0	2.438541	4.8	1008042.0	1.219271	Y
8	IC 140-46159/21	4.0	5.402983	4.8	1038828.0	1.350746	Y
9	IC 140-46159/5	8.0	10.551752	4.8	1020231.0	1.318969	Y
10	IC 140-46159/3	16.0	21.629098	4.8	890383.0	1.351819	Y



Calibration / 1,4-Dichlorobenzene

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

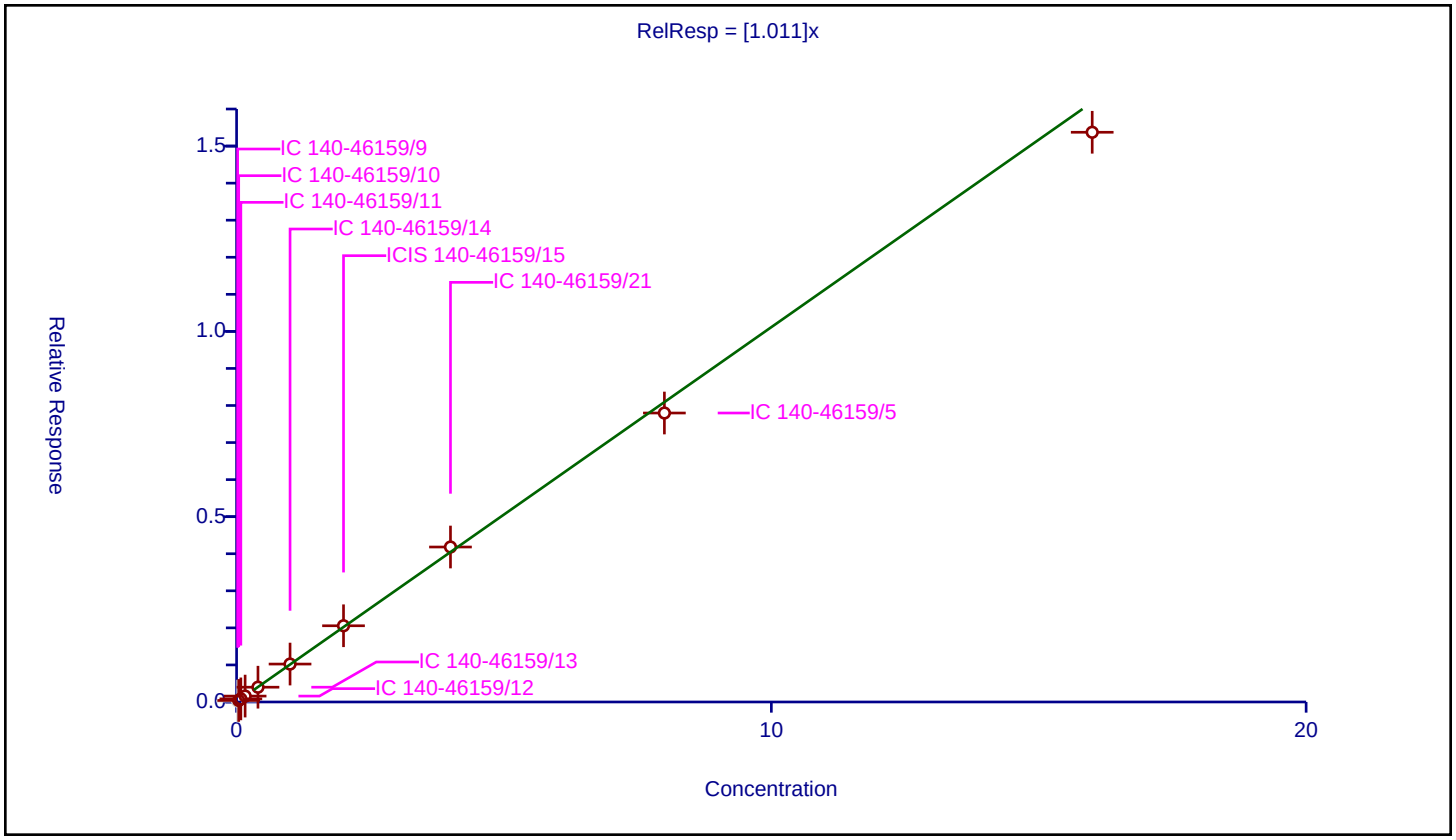
Curve Coefficients

Intercept:	0
Slope:	1.011

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	3.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.023983	4.8	902023.0	1.199171	N
2	IC 140-46159/10	0.04	0.041159	4.8	889589.0	1.02897	Y
3	IC 140-46159/11	0.08	0.083698	4.8	887761.0	1.046228	Y
4	IC 140-46159/12	0.16	0.159546	4.8	924942.0	0.997165	Y
5	IC 140-46159/13	0.4	0.39898	4.8	948342.0	0.99745	Y
6	IC 140-46159/14	1.0	1.023882	4.8	968099.0	1.023882	Y
7	ICIS 140-46159/15	2.0	2.056781	4.8	1008042.0	1.02839	Y
8	IC 140-46159/21	4.0	4.181307	4.8	1038828.0	1.045327	Y
9	IC 140-46159/5	8.0	7.796912	4.8	1020231.0	0.974614	Y
10	IC 140-46159/3	16.0	15.37266	4.8	890383.0	0.960791	Y



Calibration / 4-Isopropyltoluene

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

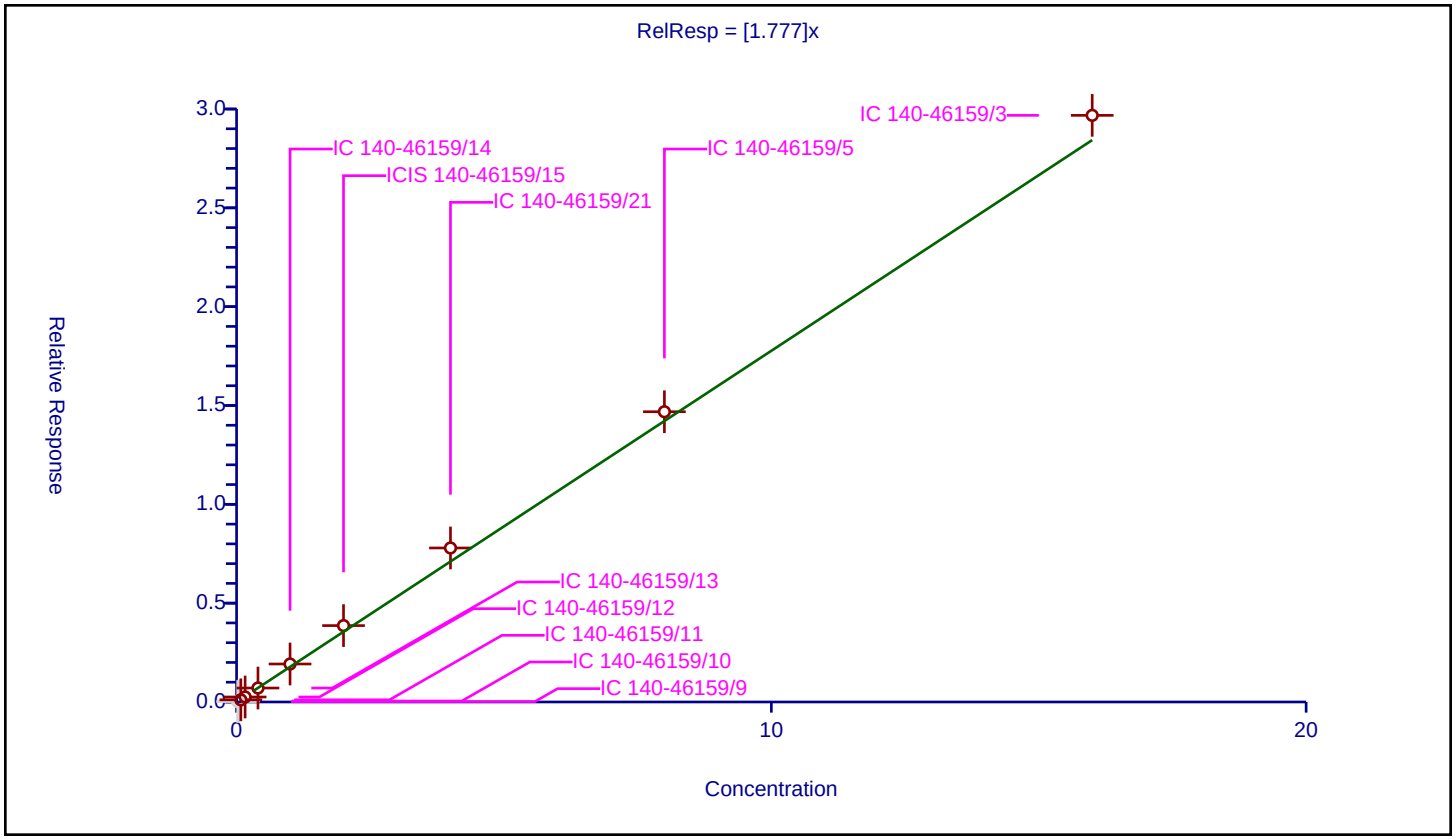
Curve Coefficients

Intercept:	0
Slope:	1.777

Error Coefficients

Standard Error:	2500000
Relative Standard Error:	11.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.021637	4.8	902023.0	1.081835	N
2	IC 140-46159/10	0.04	0.04854	4.8	889589.0	1.213504	N
3	IC 140-46159/11	0.08	0.109932	4.8	887761.0	1.374154	Y
4	IC 140-46159/12	0.16	0.252921	4.8	924942.0	1.580759	Y
5	IC 140-46159/13	0.4	0.706626	4.8	948342.0	1.766565	Y
6	IC 140-46159/14	1.0	1.921911	4.8	968099.0	1.921911	Y
7	ICIS 140-46159/15	2.0	3.864791	4.8	1008042.0	1.932396	Y
8	IC 140-46159/21	4.0	7.792226	4.8	1038828.0	1.948056	Y
9	IC 140-46159/5	8.0	14.684067	4.8	1020231.0	1.835508	Y
10	IC 140-46159/3	16.0	29.678761	4.8	890383.0	1.854923	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

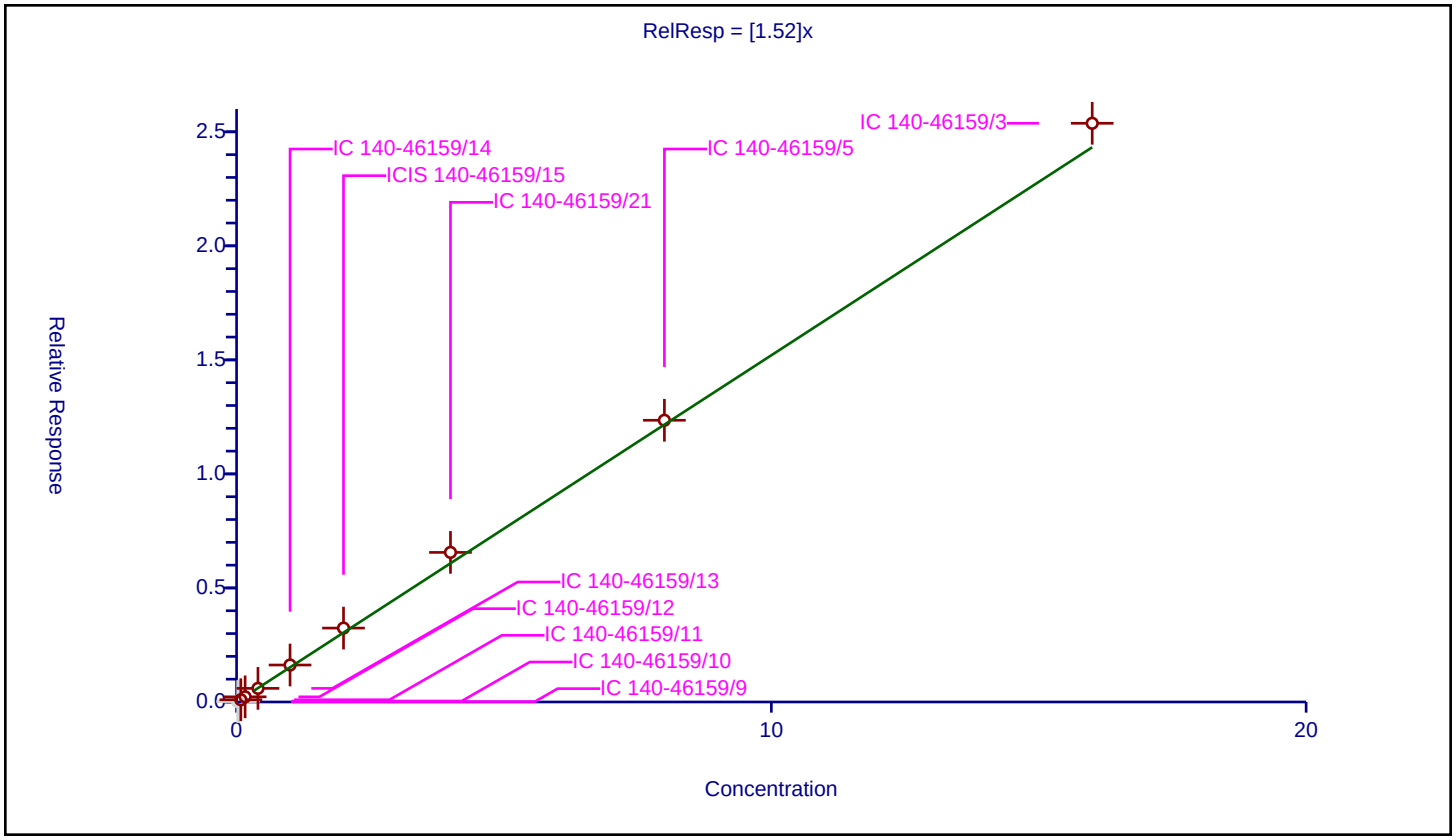
Curve Coefficients

Intercept:	0
Slope:	1.52

Error Coefficients

Standard Error:	2130000
Relative Standard Error:	8.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.019109	4.8	902023.0	0.955452	N
2	IC 140-46159/10	0.04	0.04247	4.8	889589.0	1.061749	N
3	IC 140-46159/11	0.08	0.099356	4.8	887761.0	1.241956	Y
4	IC 140-46159/12	0.16	0.226652	4.8	924942.0	1.416575	Y
5	IC 140-46159/13	0.4	0.596661	4.8	948342.0	1.491652	Y
6	IC 140-46159/14	1.0	1.621446	4.8	968099.0	1.621446	Y
7	ICIS 140-46159/15	2.0	3.240351	4.8	1008042.0	1.620175	Y
8	IC 140-46159/21	4.0	6.5585	4.8	1038828.0	1.639625	Y
9	IC 140-46159/5	8.0	12.352036	4.8	1020231.0	1.544004	Y
10	IC 140-46159/3	16.0	25.374118	4.8	890383.0	1.585882	Y



Calibration / 1,2-Dichlorobenzene

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

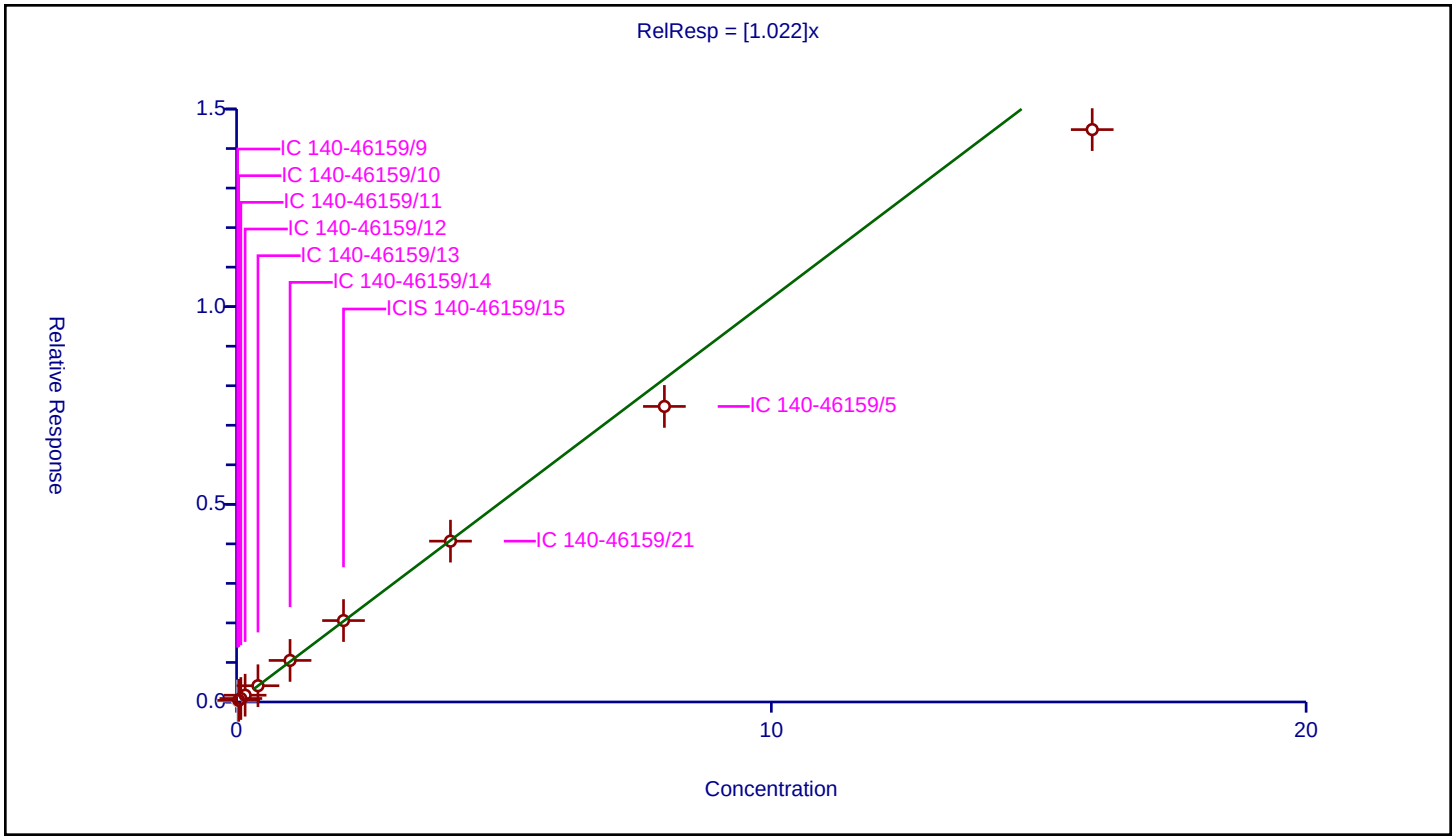
Curve Coefficients

Intercept:	0
Slope:	1.022

Error Coefficients

Standard Error:	1160000
Relative Standard Error:	6.2
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.024436	4.8	902023.0	1.221787	N
2	IC 140-46159/10	0.04	0.042438	4.8	889589.0	1.060939	Y
3	IC 140-46159/11	0.08	0.08784	4.8	887761.0	1.097998	Y
4	IC 140-46159/12	0.16	0.171488	4.8	924942.0	1.071797	Y
5	IC 140-46159/13	0.4	0.410839	4.8	948342.0	1.027098	Y
6	IC 140-46159/14	1.0	1.051638	4.8	968099.0	1.051638	Y
7	ICIS 140-46159/15	2.0	2.059581	4.8	1008042.0	1.02979	Y
8	IC 140-46159/21	4.0	4.06893	4.8	1038828.0	1.017232	Y
9	IC 140-46159/5	8.0	7.47625	4.8	1020231.0	0.934531	Y
10	IC 140-46159/3	16.0	14.479522	4.8	890383.0	0.90497	Y



Calibration / 2,3-Dihydroindene

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

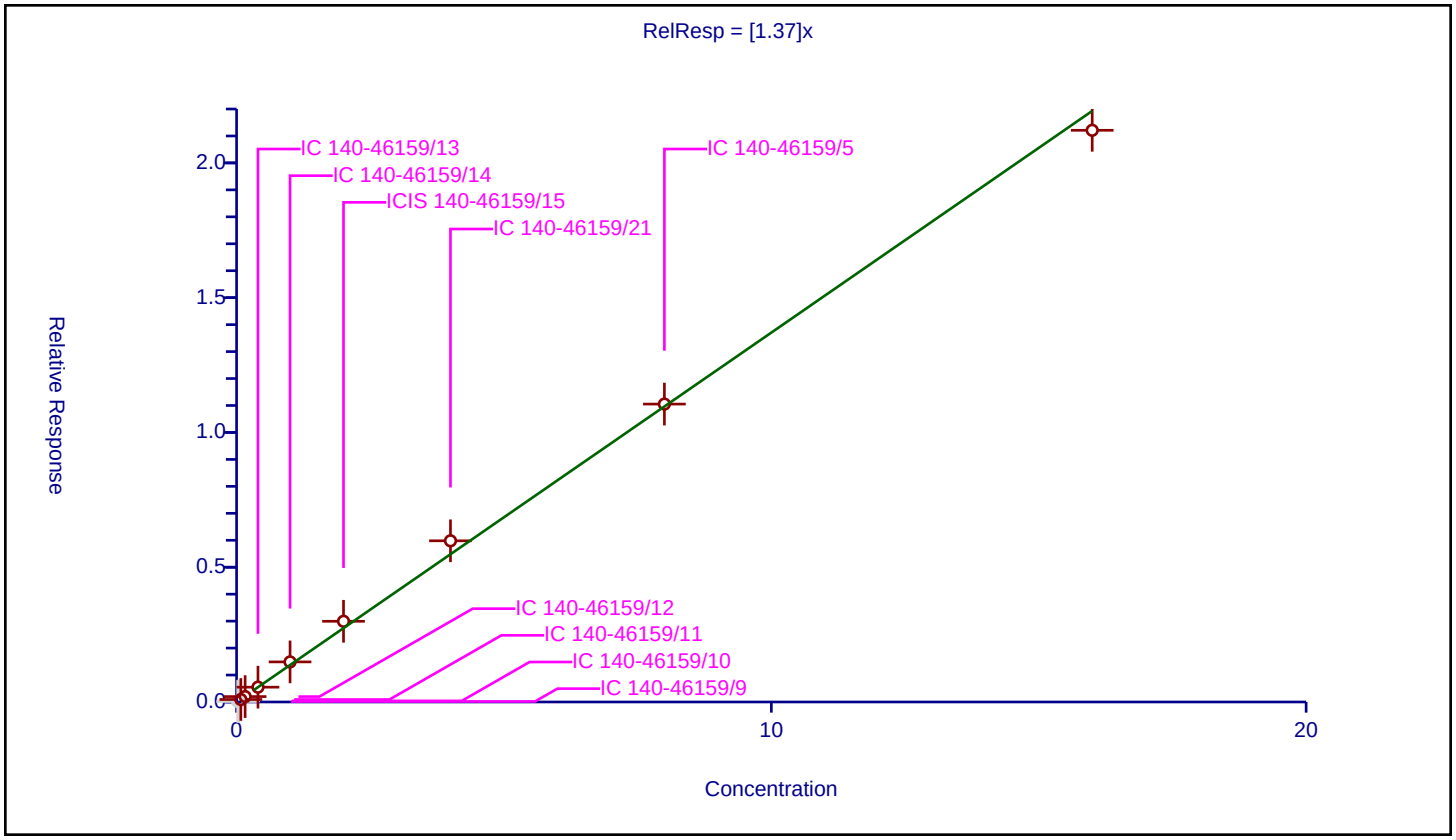
Curve Coefficients

Intercept:	0
Slope:	1.37

Error Coefficients

Standard Error:	1820000
Relative Standard Error:	9.1
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.019093	4.8	902023.0	0.954654	N
2	IC 140-46159/10	0.04	0.041153	4.8	889589.0	1.028835	N
3	IC 140-46159/11	0.08	0.092079	4.8	887761.0	1.150985	Y
4	IC 140-46159/12	0.16	0.200346	4.8	924942.0	1.252165	Y
5	IC 140-46159/13	0.4	0.549761	4.8	948342.0	1.374403	Y
6	IC 140-46159/14	1.0	1.48702	4.8	968099.0	1.48702	Y
7	ICIS 140-46159/15	2.0	2.99388	4.8	1008042.0	1.49694	Y
8	IC 140-46159/21	4.0	5.980182	4.8	1038828.0	1.495046	Y
9	IC 140-46159/5	8.0	11.053069	4.8	1020231.0	1.381634	Y
10	IC 140-46159/3	16.0	21.210648	4.8	890383.0	1.325665	Y



Calibration / n-Butylbenzene

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

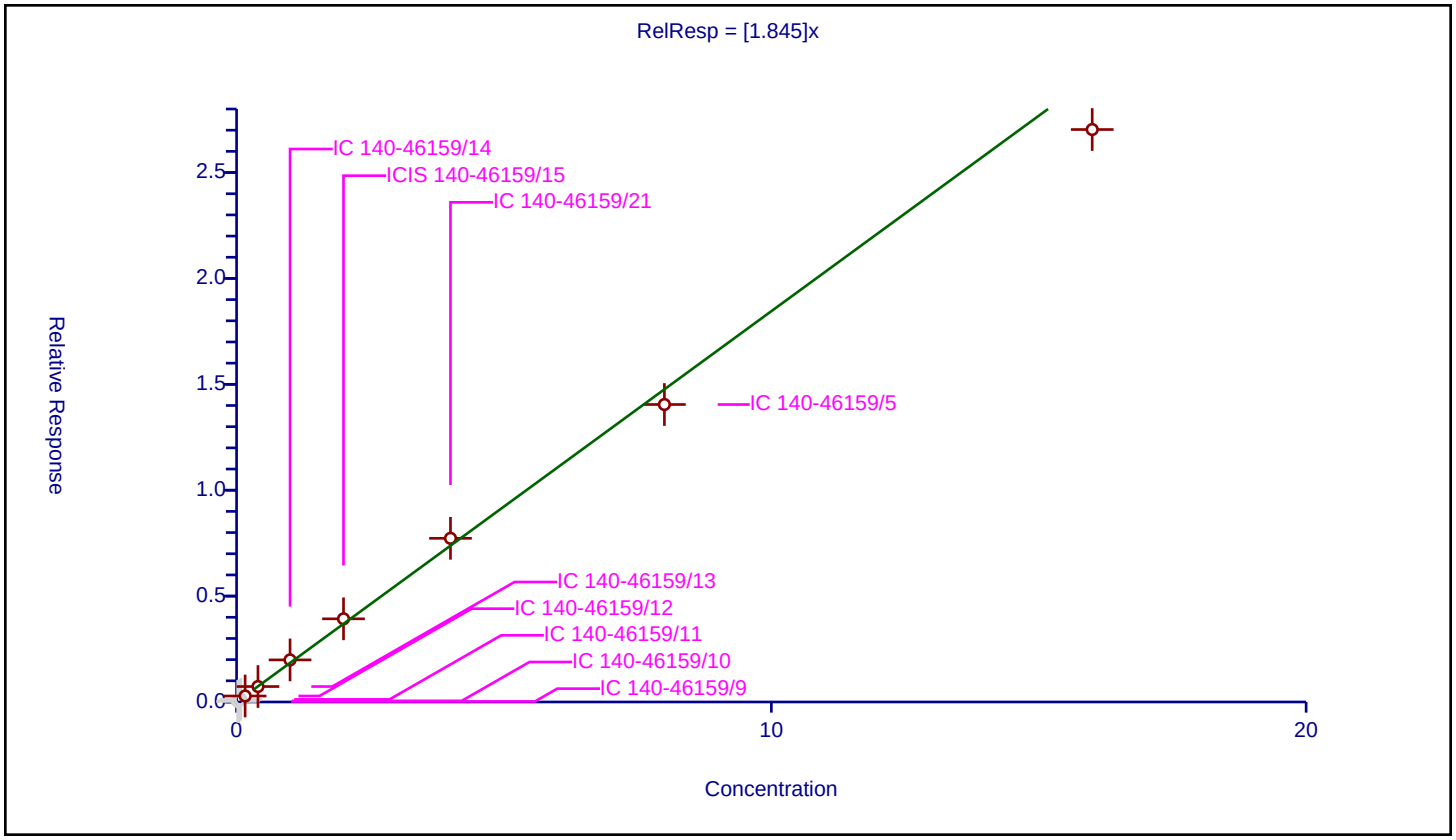
Curve Coefficients

Intercept:	0
Slope:	1.845

Error Coefficients

Standard Error:	2510000
Relative Standard Error:	6.3
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.02716	4.8	902023.0	1.358014	N
2	IC 140-46159/10	0.04	0.055226	4.8	889589.0	1.380638	N
3	IC 140-46159/11	0.08	0.123341	4.8	887761.0	1.541766	N
4	IC 140-46159/12	0.16	0.282398	4.8	924942.0	1.764986	Y
5	IC 140-46159/13	0.4	0.729352	4.8	948342.0	1.82338	Y
6	IC 140-46159/14	1.0	1.987324	4.8	968099.0	1.987324	Y
7	ICIS 140-46159/15	2.0	3.927279	4.8	1008042.0	1.96364	Y
8	IC 140-46159/21	4.0	7.728859	4.8	1038828.0	1.932215	Y
9	IC 140-46159/5	8.0	14.046395	4.8	1020231.0	1.755799	Y
10	IC 140-46159/3	16.0	27.031158	4.8	890383.0	1.689447	Y



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

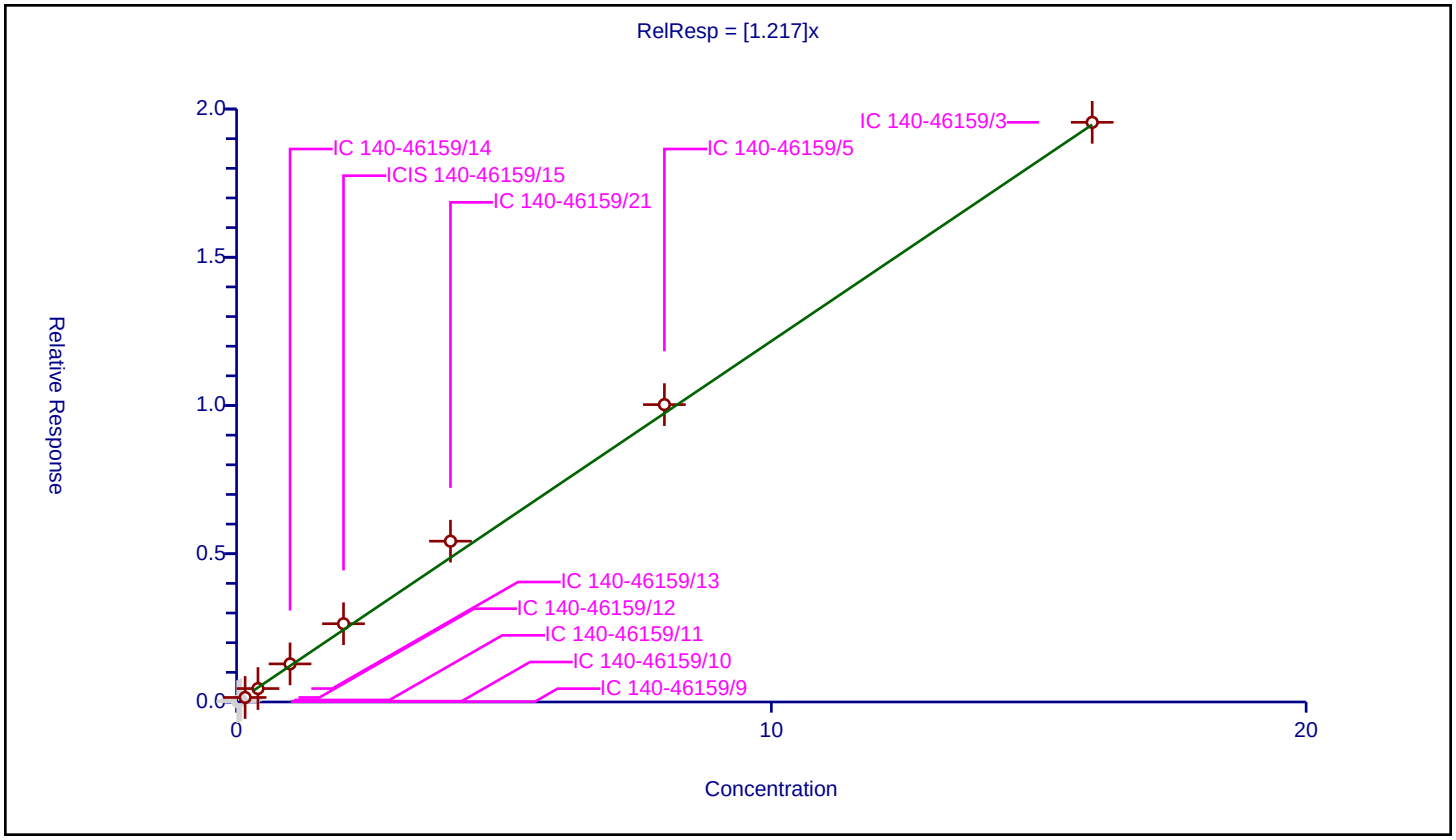
Curve Coefficients

Intercept:	0
Slope:	1.217

Error Coefficients

Standard Error:	1800000
Relative Standard Error:	11.3
Correlation Coefficient:	0.990
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.01284	4.8	902023.0	0.642024	N
2	IC 140-46159/10	0.04	0.028705	4.8	889589.0	0.717635	N
3	IC 140-46159/11	0.08	0.067634	4.8	887761.0	0.84543	N
4	IC 140-46159/12	0.16	0.152245	4.8	924942.0	0.95153	Y
5	IC 140-46159/13	0.4	0.452799	4.8	948342.0	1.131997	Y
6	IC 140-46159/14	1.0	1.285128	4.8	968099.0	1.285128	Y
7	ICIS 140-46159/15	2.0	2.639042	4.8	1008042.0	1.319521	Y
8	IC 140-46159/21	4.0	5.423946	4.8	1038828.0	1.355987	Y
9	IC 140-46159/5	8.0	10.030058	4.8	1020231.0	1.253757	Y
10	IC 140-46159/3	16.0	19.551505	4.8	890383.0	1.221969	Y



Calibration / Undecane

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

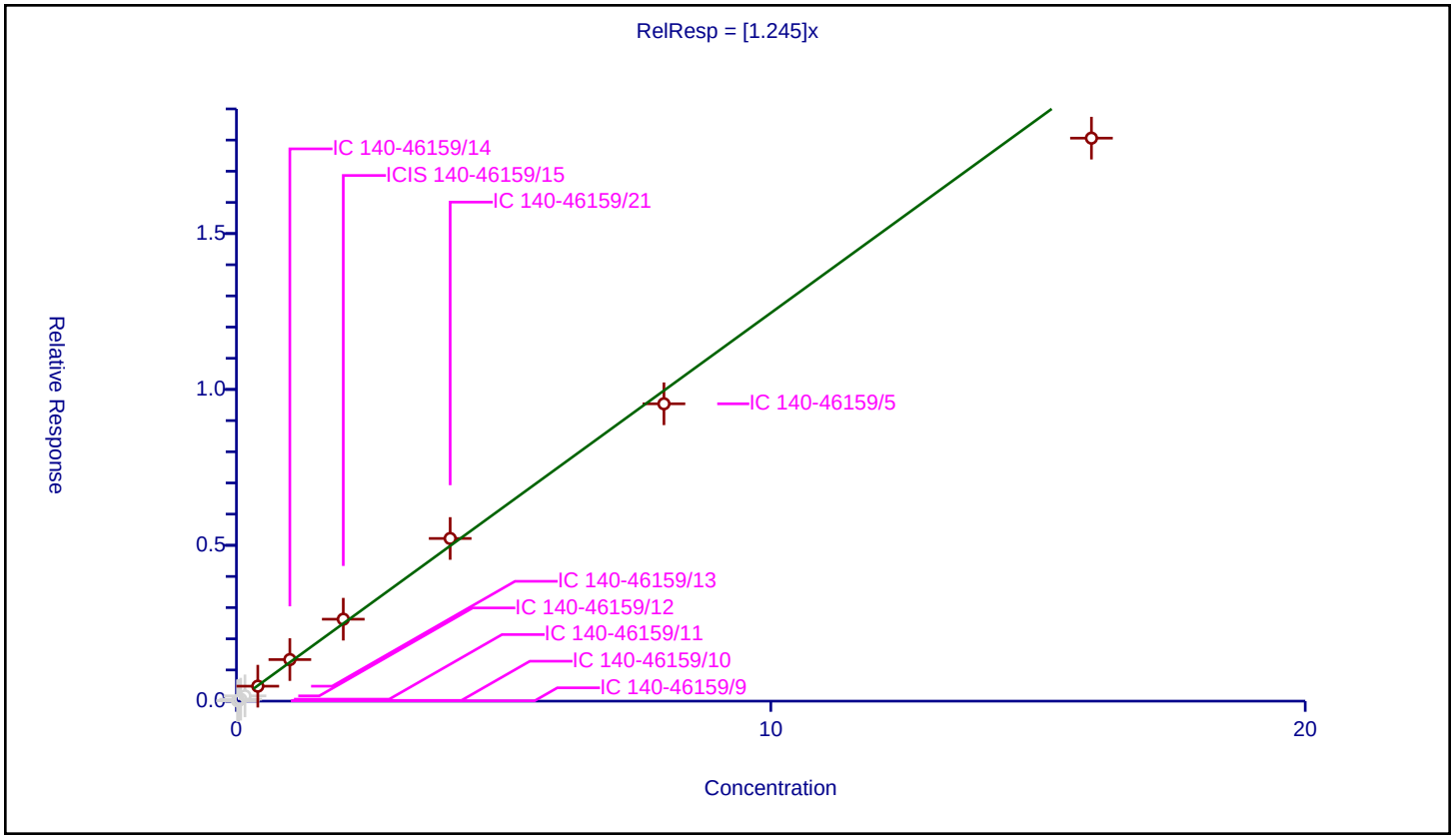
Curve Coefficients

Intercept:	0
Slope:	1.245

Error Coefficients

Standard Error:	1840000
Relative Standard Error:	6.7
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.011787	4.8	902023.0	0.589342	N
2	IC 140-46159/10	0.04	0.024141	4.8	889589.0	0.603515	N
3	IC 140-46159/11	0.08	0.063293	4.8	887761.0	0.791159	N
4	IC 140-46159/12	0.16	0.16854	4.8	924942.0	1.053374	N
5	IC 140-46159/13	0.4	0.47967	4.8	948342.0	1.199175	Y
6	IC 140-46159/14	1.0	1.332989	4.8	968099.0	1.332989	Y
7	ICIS 140-46159/15	2.0	2.628738	4.8	1008042.0	1.314369	Y
8	IC 140-46159/21	4.0	5.218469	4.8	1038828.0	1.304617	Y
9	IC 140-46159/5	8.0	9.539402	4.8	1020231.0	1.192425	Y
10	IC 140-46159/3	16.0	18.062194	4.8	890383.0	1.128887	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

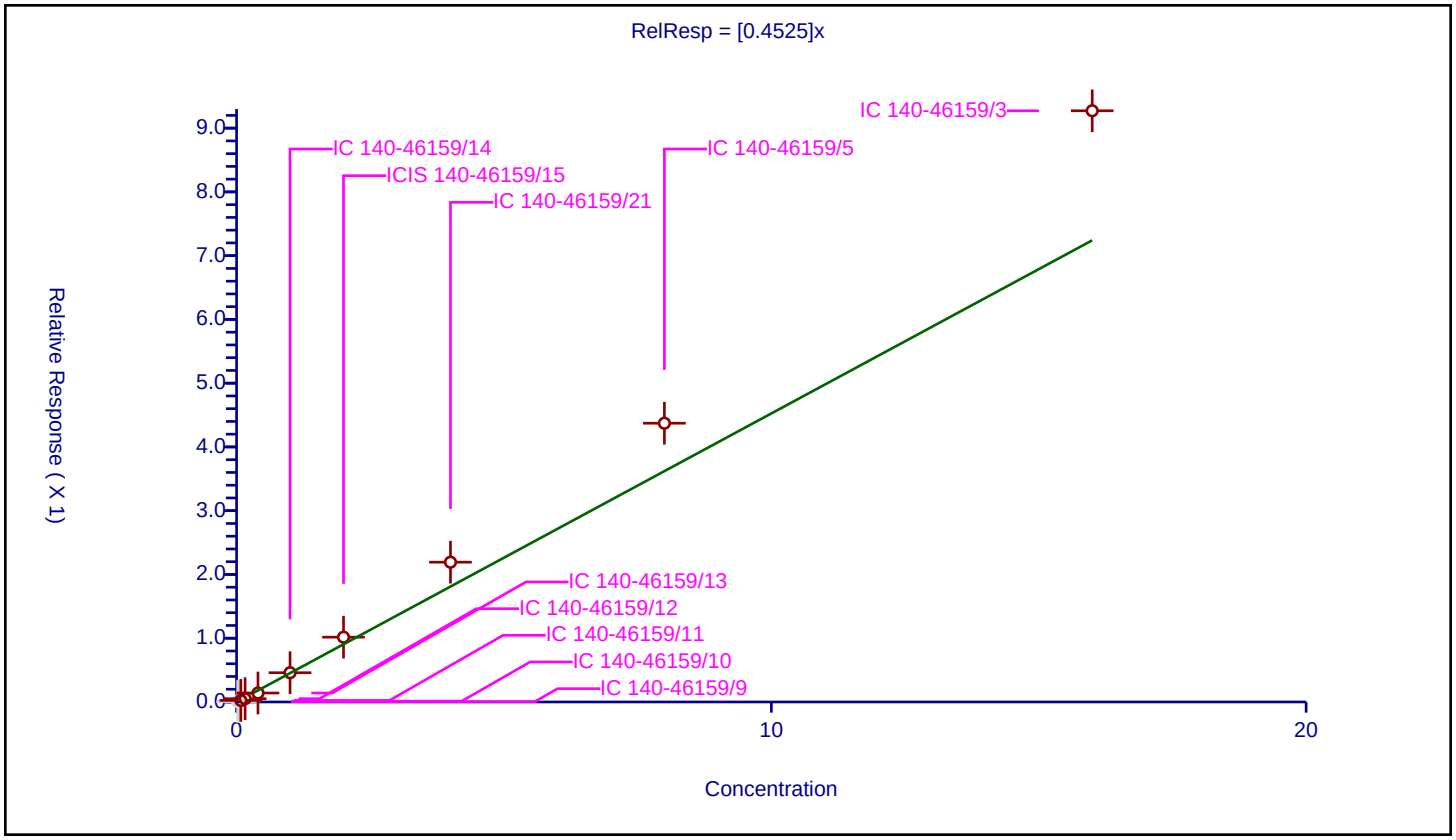
Curve Coefficients

Intercept:	0
Slope:	0.4525

Error Coefficients

Standard Error:	766000
Relative Standard Error:	24.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.940

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.006668	4.8	902023.0	0.333384	N
2	IC 140-46159/10	0.04	0.013166	4.8	889589.0	0.329141	N
3	IC 140-46159/11	0.08	0.024477	4.8	887761.0	0.305961	Y
4	IC 140-46159/12	0.16	0.051449	4.8	924942.0	0.321555	Y
5	IC 140-46159/13	0.4	0.140542	4.8	948342.0	0.351354	Y
6	IC 140-46159/14	1.0	0.458983	4.8	968099.0	0.458983	Y
7	ICIS 140-46159/15	2.0	1.01642	4.8	1008042.0	0.50821	Y
8	IC 140-46159/21	4.0	2.192697	4.8	1038828.0	0.548174	Y
9	IC 140-46159/5	8.0	4.371819	4.8	1020231.0	0.546477	Y
10	IC 140-46159/3	16.0	9.272328	4.8	890383.0	0.57952	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

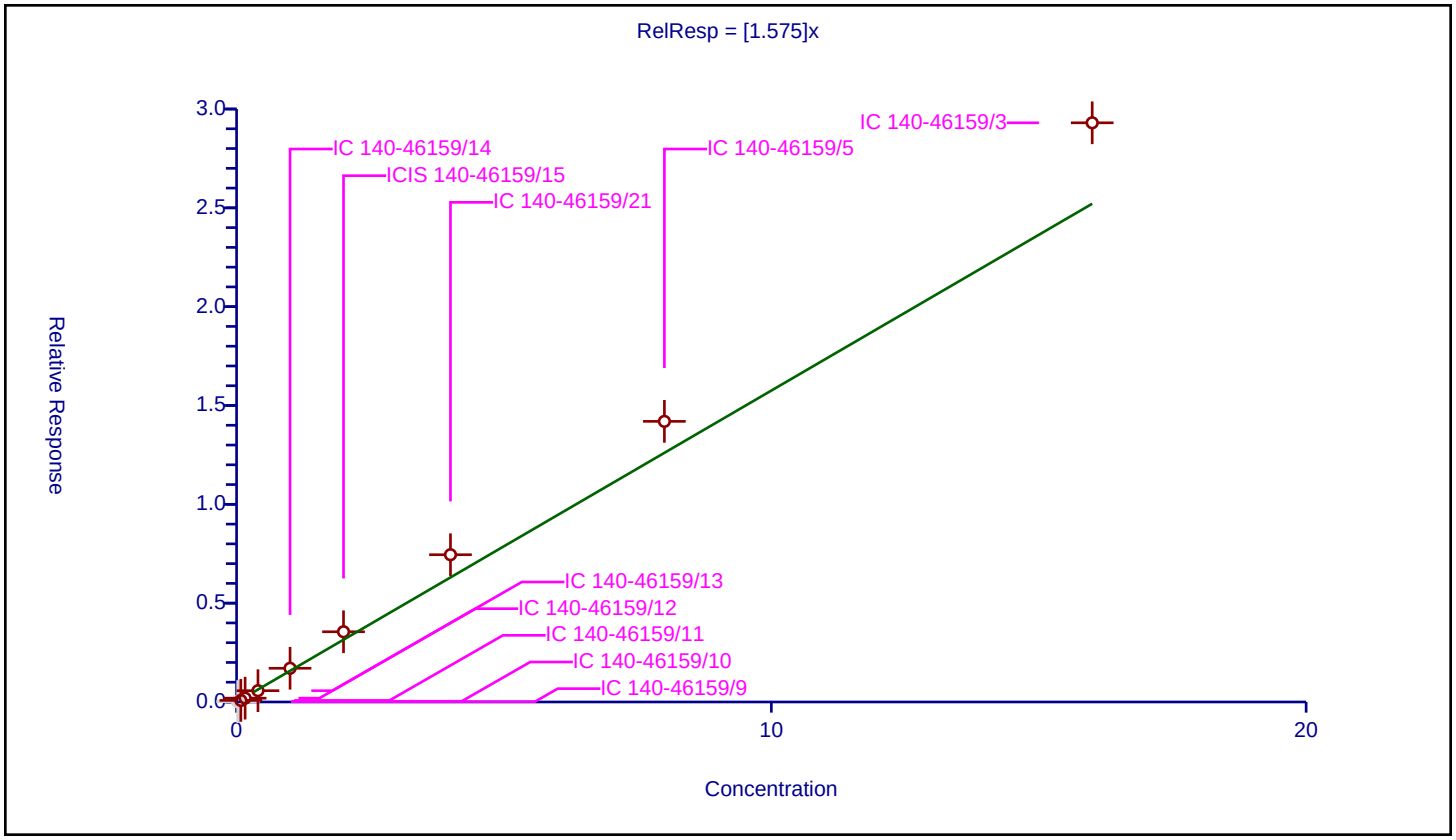
Curve Coefficients

Intercept:	0
Slope:	1.575

Error Coefficients

Standard Error:	2450000
Relative Standard Error:	20.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.016491	4.8	902023.0	0.824547	N
2	IC 140-46159/10	0.04	0.036912	4.8	889589.0	0.922808	N
3	IC 140-46159/11	0.08	0.080924	4.8	887761.0	1.011556	Y
4	IC 140-46159/12	0.16	0.19415	4.8	924942.0	1.213438	Y
5	IC 140-46159/13	0.4	0.571313	4.8	948342.0	1.428282	Y
6	IC 140-46159/14	1.0	1.705526	4.8	968099.0	1.705526	Y
7	ICIS 140-46159/15	2.0	3.553023	4.8	1008042.0	1.776512	Y
8	IC 140-46159/21	4.0	7.450182	4.8	1038828.0	1.862545	Y
9	IC 140-46159/5	8.0	14.196931	4.8	1020231.0	1.774616	Y
10	IC 140-46159/3	16.0	29.302144	4.8	890383.0	1.831384	Y



Calibration / Dodecane

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

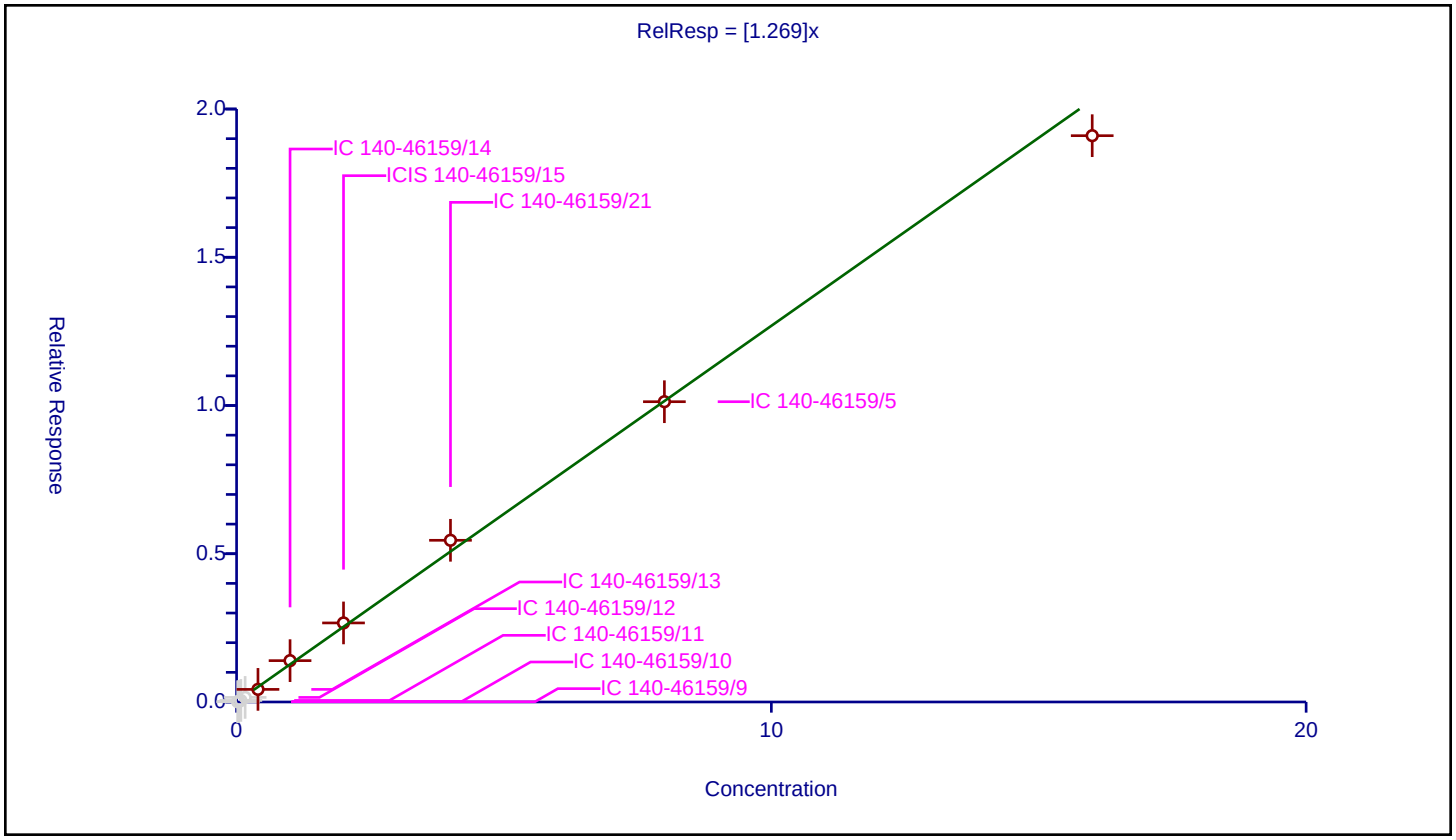
Curve Coefficients

Intercept:	0
Slope:	1.269

Error Coefficients

Standard Error:	1950000
Relative Standard Error:	9.8
Correlation Coefficient:	0.985
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.008881	4.8	902023.0	0.444068	N
2	IC 140-46159/10	0.04	0.017536	4.8	889589.0	0.438405	N
3	IC 140-46159/11	0.08	0.05216	4.8	887761.0	0.652	N
4	IC 140-46159/12	0.16	0.154689	4.8	924942.0	0.966807	N
5	IC 140-46159/13	0.4	0.424697	4.8	948342.0	1.061744	Y
6	IC 140-46159/14	1.0	1.394357	4.8	968099.0	1.394357	Y
7	ICIS 140-46159/15	2.0	2.666217	4.8	1008042.0	1.333109	Y
8	IC 140-46159/21	4.0	5.453837	4.8	1038828.0	1.363459	Y
9	IC 140-46159/5	8.0	10.128102	4.8	1020231.0	1.266013	Y
10	IC 140-46159/3	16.0	19.100516	4.8	890383.0	1.193782	Y



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

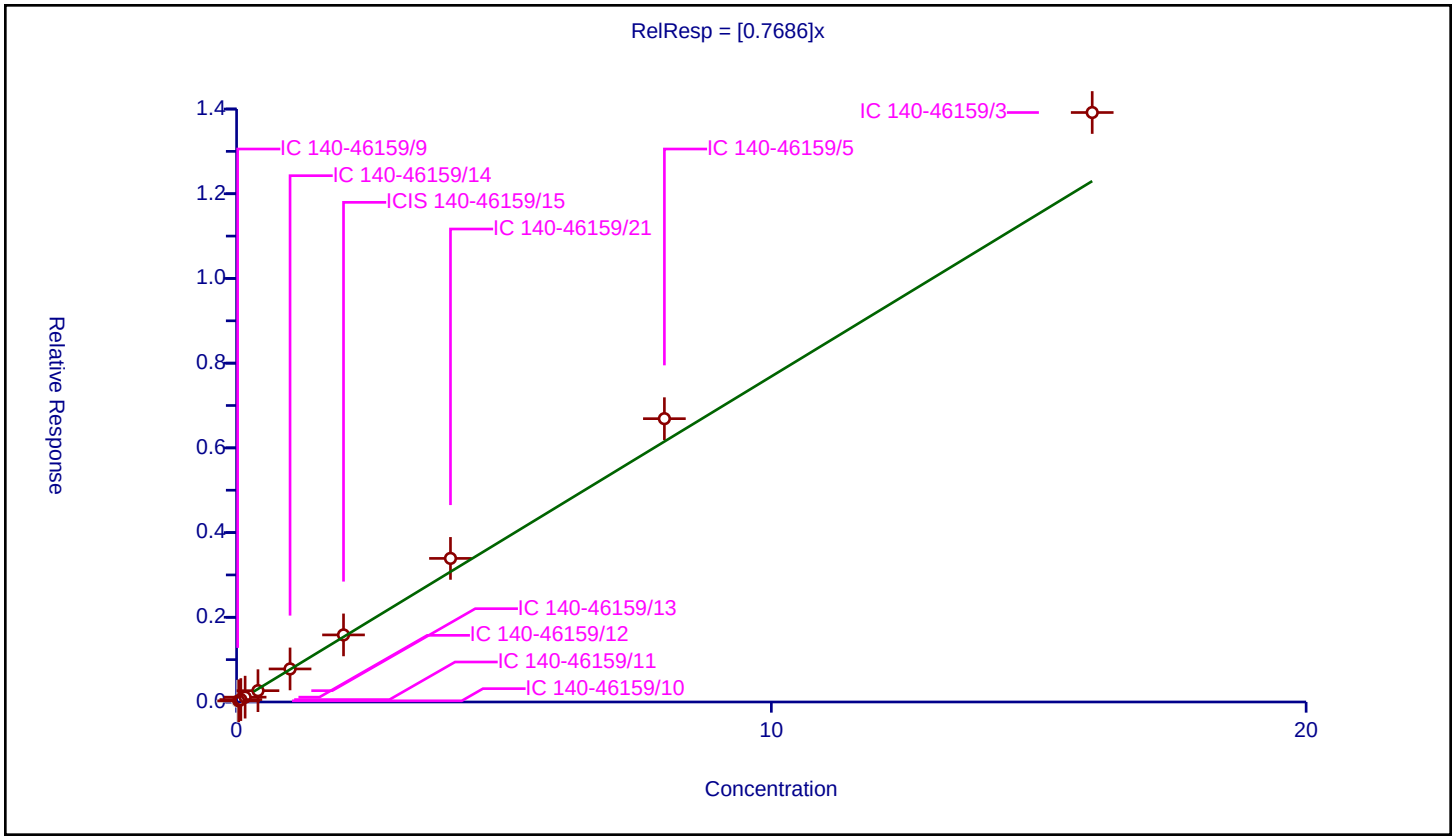
Curve Coefficients

Intercept:	0
Slope:	0.7686

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	9.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.017859	4.8	902023.0	0.892926	N
2	IC 140-46159/10	0.04	0.027777	4.8	889589.0	0.694433	Y
3	IC 140-46159/11	0.08	0.057259	4.8	887761.0	0.715733	Y
4	IC 140-46159/12	0.16	0.114211	4.8	924942.0	0.713818	Y
5	IC 140-46159/13	0.4	0.267144	4.8	948342.0	0.66786	Y
6	IC 140-46159/14	1.0	0.780391	4.8	968099.0	0.780391	Y
7	ICIS 140-46159/15	2.0	1.583486	4.8	1008042.0	0.791743	Y
8	IC 140-46159/21	4.0	3.390267	4.8	1038828.0	0.847567	Y
9	IC 140-46159/5	8.0	6.688979	4.8	1020231.0	0.836122	Y
10	IC 140-46159/3	16.0	13.917236	4.8	890383.0	0.869827	Y



Calibration / Naphthalene

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

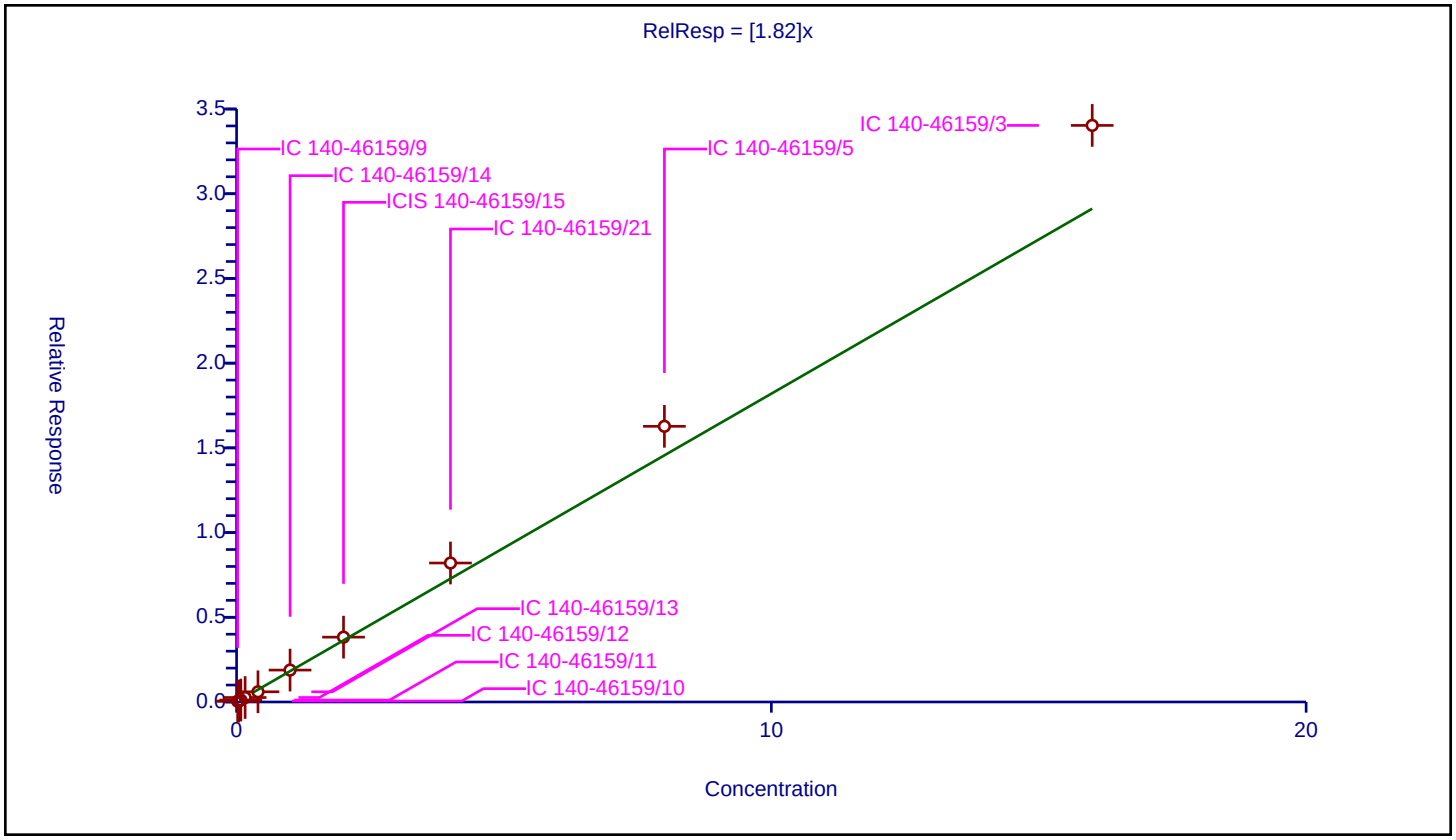
Curve Coefficients

Intercept:	0
Slope:	1.82

Error Coefficients

Standard Error:	2490000
Relative Standard Error:	15.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.043151	4.8	902023.0	2.15755	Y
2	IC 140-46159/10	0.04	0.058015	4.8	889589.0	1.450378	Y
3	IC 140-46159/11	0.08	0.114252	4.8	887761.0	1.428155	Y
4	IC 140-46159/12	0.16	0.263404	4.8	924942.0	1.646276	Y
5	IC 140-46159/13	0.4	0.602547	4.8	948342.0	1.506368	Y
6	IC 140-46159/14	1.0	1.883911	4.8	968099.0	1.883911	Y
7	ICIS 140-46159/15	2.0	3.826607	4.8	1008042.0	1.913304	Y
8	IC 140-46159/21	4.0	8.202867	4.8	1038828.0	2.050717	Y
9	IC 140-46159/5	8.0	16.271007	4.8	1020231.0	2.033876	Y
10	IC 140-46159/3	16.0	34.031577	4.8	890383.0	2.126974	Y



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

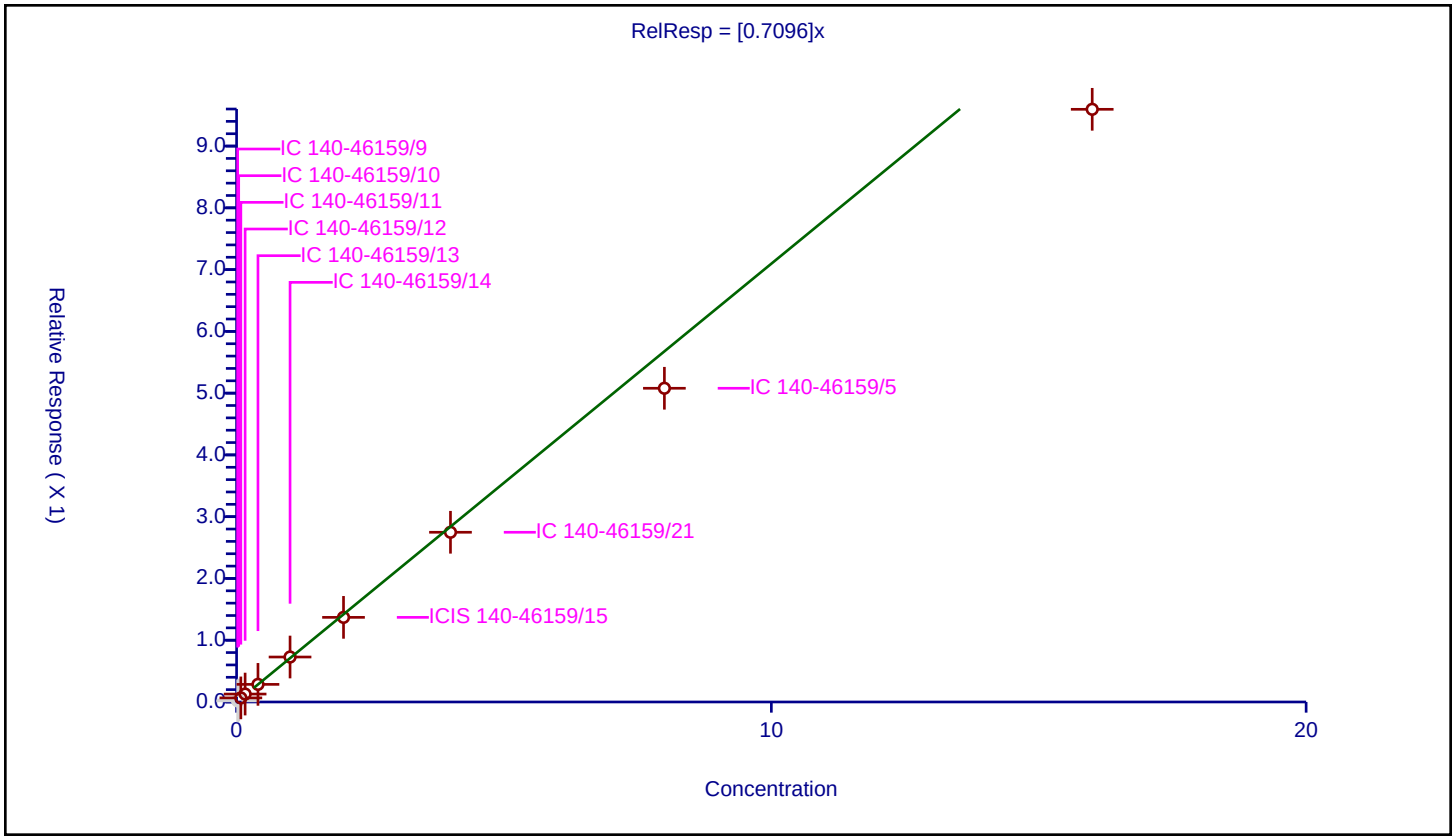
Curve Coefficients

Intercept:	0
Slope:	0.7096

Error Coefficients

Standard Error:	828000
Relative Standard Error:	10.9
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.018002	4.8	902023.0	0.90011	N
2	IC 140-46159/10	0.04	0.031743	4.8	889589.0	0.79358	N
3	IC 140-46159/11	0.08	0.066234	4.8	887761.0	0.827926	Y
4	IC 140-46159/12	0.16	0.128306	4.8	924942.0	0.80191	Y
5	IC 140-46159/13	0.4	0.284955	4.8	948342.0	0.712389	Y
6	IC 140-46159/14	1.0	0.727889	4.8	968099.0	0.727889	Y
7	ICIS 140-46159/15	2.0	1.369852	4.8	1008042.0	0.684926	Y
8	IC 140-46159/21	4.0	2.74776	4.8	1038828.0	0.68694	Y
9	IC 140-46159/5	8.0	5.079066	4.8	1020231.0	0.634883	Y
10	IC 140-46159/3	16.0	9.59517	4.8	890383.0	0.599698	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

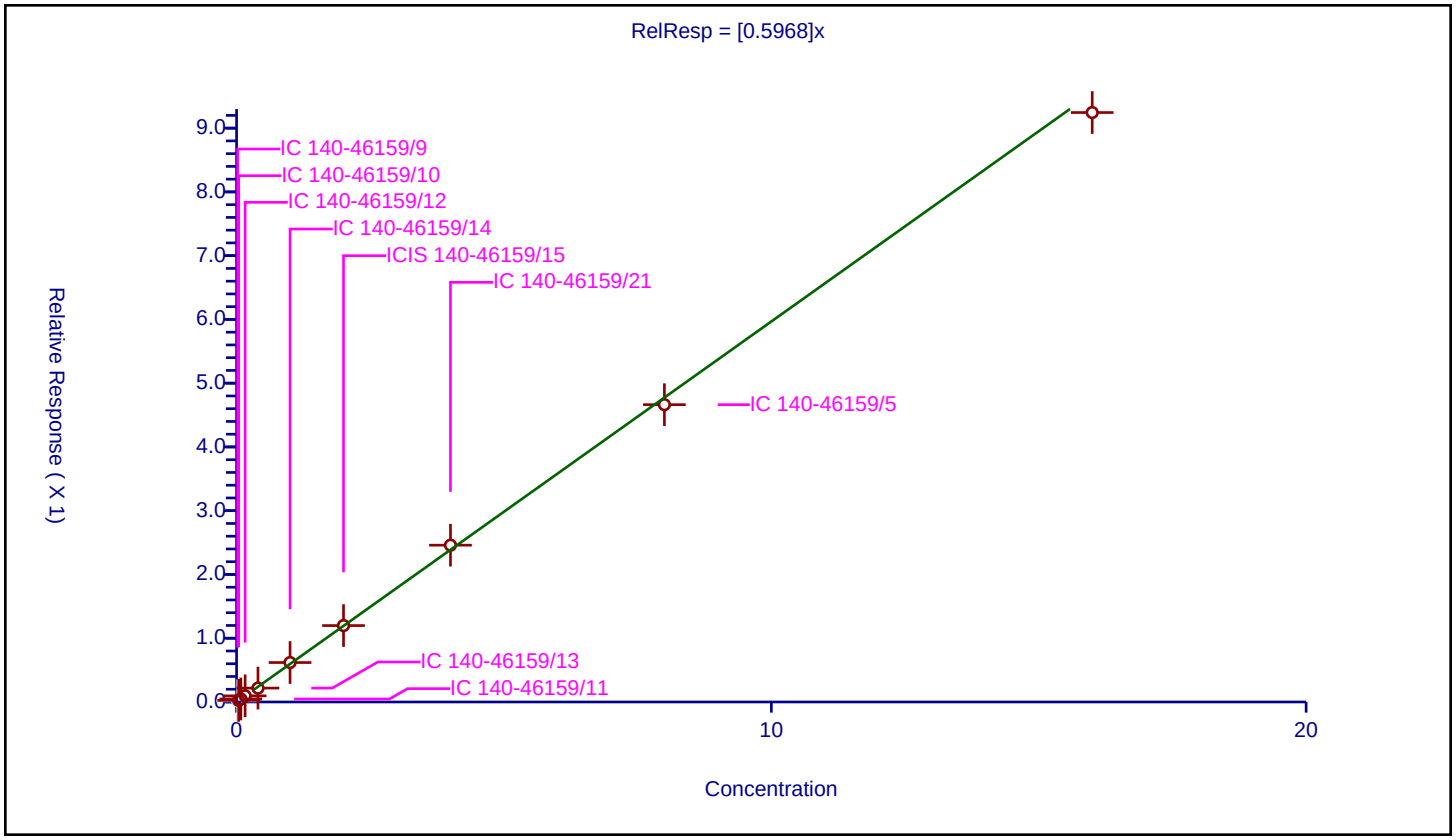
Curve Coefficients

Intercept:	0
Slope:	0.5968

Error Coefficients

Standard Error:	732000
Relative Standard Error:	4.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.02	0.017145	4.8	902023.0	0.857273	N
2	IC 140-46159/10	0.04	0.025517	4.8	889589.0	0.637913	Y
3	IC 140-46159/11	0.08	0.047391	4.8	887761.0	0.592389	Y
4	IC 140-46159/12	0.16	0.096276	4.8	924942.0	0.601724	Y
5	IC 140-46159/13	0.4	0.218058	4.8	948342.0	0.545145	Y
6	IC 140-46159/14	1.0	0.618919	4.8	968099.0	0.618919	Y
7	ICIS 140-46159/15	2.0	1.198583	4.8	1008042.0	0.599292	Y
8	IC 140-46159/21	4.0	2.459315	4.8	1038828.0	0.614829	Y
9	IC 140-46159/5	8.0	4.663066	4.8	1020231.0	0.582883	Y
10	IC 140-46159/3	16.0	9.244775	4.8	890383.0	0.577798	Y



Calibration / 2-Methylnaphthalene

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

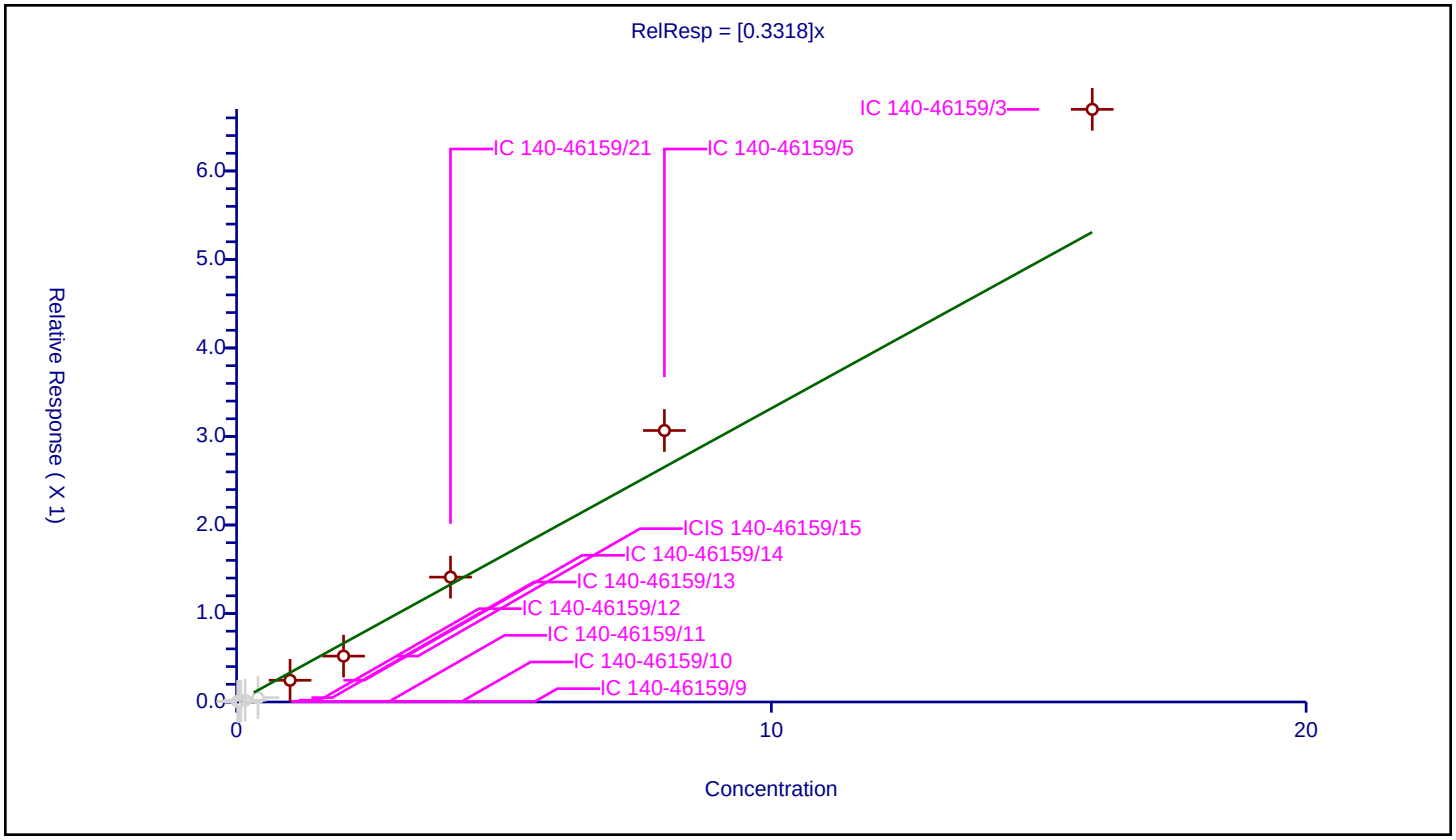
Curve Coefficients

Intercept:	0
Slope:	0.3318

Error Coefficients

Standard Error:	720000
Relative Standard Error:	23.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.934

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.020001	0.006152	4.8	902023.0	0.30756	N
2	IC 140-46159/10	0.040002	0.005239	4.8	889589.0	0.130975	N
3	IC 140-46159/11	0.080004	0.008051	4.8	887761.0	0.10063	N
4	IC 140-46159/12	0.160008	0.020187	4.8	924942.0	0.126164	N
5	IC 140-46159/13	0.40002	0.049197	4.8	948342.0	0.122987	N
6	IC 140-46159/14	1.00005	0.245162	4.8	968099.0	0.245149	Y
7	ICIS 140-46159/15	2.0001	0.518259	4.8	1008042.0	0.259117	Y
8	IC 140-46159/21	4.000199	1.410875	4.8	1038828.0	0.352701	Y
9	IC 140-46159/5	8.000399	3.067414	4.8	1020231.0	0.383408	Y
10	IC 140-46159/3	16.000797	6.695945	4.8	890383.0	0.418476	Y



Calibration / 1-Methylnaphthalene

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

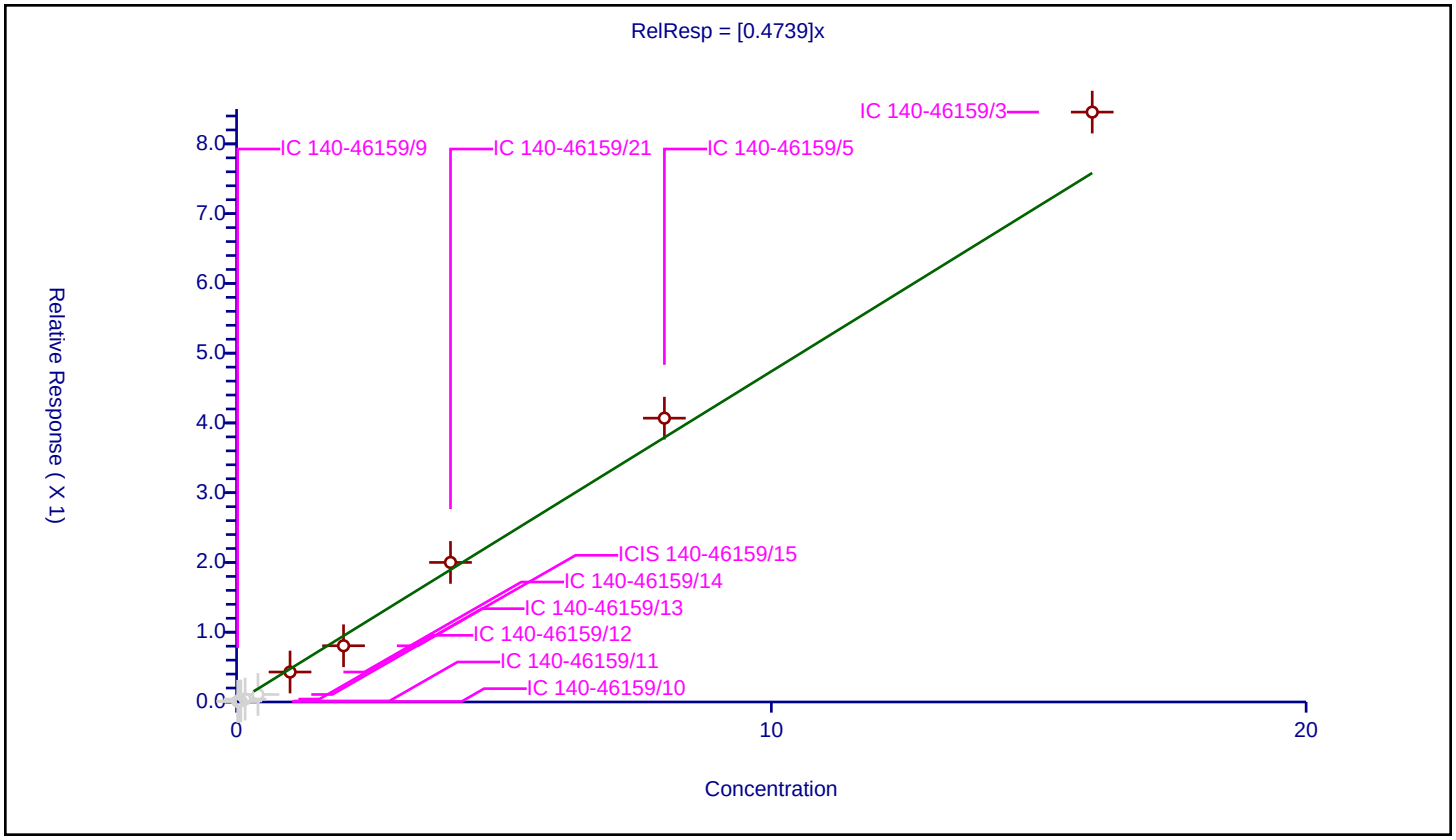
Curve Coefficients

Intercept:	0
Slope:	0.4739

Error Coefficients

Standard Error:	926000
Relative Standard Error:	11.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 140-46159/9	0.020001	0.010403	4.8	902023.0	0.520138	N
2	IC 140-46159/10	0.040002	0.007732	4.8	889589.0	0.193293	N
3	IC 140-46159/11	0.080004	0.015009	4.8	887761.0	0.187609	N
4	IC 140-46159/12	0.160008	0.042077	4.8	924942.0	0.262966	N
5	IC 140-46159/13	0.40002	0.107723	4.8	948342.0	0.269294	N
6	IC 140-46159/14	1.00005	0.429506	4.8	968099.0	0.429485	Y
7	ICIS 140-46159/15	2.0001	0.805966	4.8	1008042.0	0.402963	Y
8	IC 140-46159/21	4.000199	2.000444	4.8	1038828.0	0.500086	Y
9	IC 140-46159/5	8.000399	4.068683	4.8	1020231.0	0.50856	Y
10	IC 140-46159/3	16.000797	8.455552	4.8	890383.0	0.528446	Y



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Lab Sample ID: ICV 140-46776/17 Calibration Date: 02/09/2021 08:26

Instrument ID: MH Calib Start Date: 02/08/2021 20:24

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/09/2021 06:44

Lab File ID: HXB08ICV.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	1.757	1.849		2.10	2.00	5.2	35.0
Propene	Ave	0.7182	0.7355		2.05	2.00	2.4	35.0
Dichlorodifluoromethane	Ave	3.649	3.734		2.05	2.00	2.3	35.0
Chloromethane	Ave	0.2764	0.2761		2.00	2.00	-0.1	35.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	Ave	2.663	2.775		2.08	2.00	4.2	35.0
Acetaldehyde	Ave	0.3291	0.2880		8.75	10.0	-12.5	35.0
Vinyl chloride	Ave	1.087	1.116		2.05	2.00	2.7	35.0
1,3-Butadiene	Ave	0.6727	0.6874		2.04	2.00	2.2	35.0
Butane	Ave	1.163	1.221		2.10	2.00	5.0	35.0
Bromomethane	Ave	1.285	1.305		2.03	2.00	1.5	35.0
Chloroethane	Ave	0.4509	0.4636		2.06	2.00	2.8	35.0
Ethanol	Ave	0.4026	0.3042		7.56	10.0	-24.4	35.0
Vinyl bromide	Ave	1.342	1.440		2.15	2.00	7.3	35.0
2-Methylbutane	Ave	1.114	1.179		2.12	2.00	5.9	35.0
Trichlorofluoromethane	Ave	3.491	3.616		2.07	2.00	3.6	35.0
Acrolein	Ave	0.3635	0.4127		2.27	2.00	13.5	35.0
Acetonitrile	Ave	0.4022	0.4006		1.99	2.00	-0.4	35.0
Acetone	Ave	0.5214	0.5148		1.97	2.00	-1.3	35.0
Isopropyl alcohol	Ave	1.228	1.495		2.44	2.00	21.8	35.0
Pentane	Ave	0.1312	0.1410		2.15	2.00	7.5	35.0
Ethyl ether	Ave	1.014	1.092		2.16	2.00	7.8	35.0
1,1-Dichloroethene	Ave	1.326	1.355		2.04	2.00	2.2	35.0
tert-Butyl alcohol	Ave	1.592	1.643		2.06	2.00	3.2	35.0
Acrylonitrile	Ave	0.7857	0.8151		2.07	2.00	3.7	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.941	3.057		2.08	2.00	3.9	35.0
Methylene Chloride	Ave	1.226	1.253		2.04	2.00	2.2	35.0
3-Chloropropene	Ave	0.8795	0.8948		2.03	2.00	1.7	35.0
Carbon disulfide	Ave	3.802	3.955		2.08	2.00	4.0	35.0
trans-1,2-Dichloroethene	Ave	1.300	1.344		2.07	2.00	3.4	35.0
2-Methylpentane	Ave	2.238	2.136		1.91	2.00	-4.5	35.0
Methyl tert-butyl ether	Ave	2.861	3.044		2.13	2.00	6.4	35.0
1,1-Dichloroethane	Ave	2.255	2.362		2.10	2.00	4.8	35.0
Vinyl acetate	Ave	2.493	2.753		2.21	2.00	10.4	35.0
2-Butanone (MEK)	Ave	0.5983	0.5868		1.96	2.00	-1.9	35.0
Hexane	Ave	0.8092	0.8227		2.03	2.00	1.7	35.0
Isopropyl ether	Ave	3.467	3.694		2.13	2.00	6.6	35.0
cis-1,2-Dichloroethene	Ave	1.381	1.480		2.14	2.00	7.2	35.0
Ethyl acetate	Ave	2.365	2.336		1.98	2.00	-1.2	35.0
Chloroform	Ave	3.071	3.157		2.06	2.00	2.8	35.0
Tert-butyl ethyl ether	Ave	3.205	3.176		1.98	2.00	-0.9	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Lab Sample ID: ICV 140-46776/17 Calibration Date: 02/09/2021 08:26

Instrument ID: MH Calib Start Date: 02/08/2021 20:24

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/09/2021 06:44

Lab File ID: HXB08ICV.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	1.153	1.205		2.09	2.00	4.5	35.0
1,1,1-Trichloroethane	Ave	2.817	2.918		2.07	2.00	3.6	35.0
1,2-Dichloroethane	Ave	0.3788	0.3944		2.08	2.00	4.1	35.0
1-Butanol	Ave	0.0859	0.0866		2.02	2.00	0.8	35.0
Cyclohexane	Ave	0.1307	0.1367		2.09	2.00	4.6	35.0
Benzene	Ave	0.8883	0.9274		2.09	2.00	4.4	35.0
Carbon tetrachloride	Ave	0.6284	0.7040		2.24	2.00	12.0	35.0
2,3-Dimethylpentane	Ave	0.1785	0.1784		2.00	2.00	-0.0	35.0
Thiophene	Ave	0.5077	0.5186		2.04	2.00	2.1	35.0
2,2,4-Trimethylpentane	Ave	1.214	1.277		2.10	2.00	5.2	35.0
Heptane	Ave	0.2722	0.2840		2.09	2.00	4.3	35.0
1,2-Dichloropropane	Ave	0.3551	0.3674		2.07	2.00	3.5	35.0
Trichloroethene	Ave	0.4006	0.3992		1.99	2.00	-0.4	35.0
Dibromomethane	Ave	0.4307	0.4467		2.07	2.00	3.7	35.0
1,4-Dioxane	Ave	0.1322	0.1281		1.94	2.00	-3.1	35.0
Bromodichloromethane	Ave	0.6750	0.7148		2.12	2.00	5.9	35.0
Methyl methacrylate	Ave	0.3044	0.3135		2.06	2.00	3.0	35.0
Methylcyclohexane	Ave	0.5303	0.6638		2.50	2.00	25.2	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5823	0.6095		2.09	2.00	4.7	35.0
cis-1,3-Dichloropropene	Ave	0.4953	0.5332		2.15	2.00	7.7	35.0
trans-1,3-Dichloropropene	Ave	0.5013	0.5450		2.17	2.00	8.7	35.0
Toluene	Ave	1.280	1.317		2.06	2.00	2.9	35.0
1,1,2-Trichloroethane	Ave	0.4294	0.4451		2.07	2.00	3.7	35.0
2-Hexanone	Ave	0.3275	0.3549		2.17	2.00	8.4	35.0
Octane	Ave	0.3118	0.3413		2.19	2.00	9.5	35.0
Dibromochloromethane	Ave	0.7746	0.8665		2.24	2.00	11.9	35.0
1,2-Dibromoethane (EDB)	Ave	0.7236	0.7585		2.10	2.00	4.8	35.0
Tetrachloroethene	Ave	0.4827	0.5005		2.07	2.00	3.7	35.0
2,3-Dimethylheptane	Ave	0.9614	0.9038		1.88	2.00	-6.0	35.0
Chlorobenzene	Ave	0.9838	1.018		2.07	2.00	3.5	35.0
Ethylbenzene	Ave	1.615	1.689		2.09	2.00	4.6	35.0
m-Xylene & p-Xylene	Ave	1.282	1.381		4.31	4.00	7.7	35.0
Nonane	Ave	0.6725	0.7272		2.16	2.00	8.1	35.0
Styrene	Ave	0.8871	0.9622		2.17	2.00	8.5	35.0
Bromoform	Ave	0.8537	0.9620		2.25	2.00	12.7	35.0
o-Xylene	Ave	1.335	1.399		2.10	2.00	4.8	35.0
1,1,2,2-Tetrachloroethane	Ave	1.060	1.132		2.14	2.00	6.8	35.0
1,2,3-Trichloropropane	Ave	0.2116	0.2264		2.14	2.00	7.0	35.0
Isopropylbenzene	Ave	1.731	1.854		2.14	2.00	7.1	35.0
Propylbenzene	Ave	0.4581	0.4999		2.18	2.00	9.1	35.0
2-Chlorotoluene	Ave	0.4448	0.4705		2.12	2.00	5.8	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Lab Sample ID: ICV 140-46776/17 Calibration Date: 02/09/2021 08:26

Instrument ID: MH Calib Start Date: 02/08/2021 20:24

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/09/2021 06:44

Lab File ID: HXB08ICV.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	1.745	1.781		2.04	2.00	2.1	35.0
1,3,5-Trimethylbenzene	Ave	0.6965	0.8259		2.37	2.00	18.6	35.0
Alpha Methyl Styrene	Ave	0.6982	0.7591		2.17	2.00	8.7	35.0
Decane	Ave	0.8854	0.9909		2.24	2.00	11.9	35.0
tert-Butylbenzene	Ave	1.558	1.682		2.16	2.00	7.9	35.0
1,2,4-Trimethylbenzene	Ave	1.545	1.687		2.18	2.00	9.2	35.0
sec-Butylbenzene	Ave	2.212	2.407		2.18	2.00	8.8	35.0
1,3-Dichlorobenzene	Ave	0.998	1.045		2.09	2.00	4.7	35.0
Benzyl chloride	Ave	1.074	1.209		2.25	2.00	12.6	35.0
1,4-Dichlorobenzene	Ave	0.9744	1.004		2.06	2.00	3.0	35.0
4-Isopropyltoluene	Ave	1.728	1.901		2.20	2.00	10.0	35.0
1,2,3-Trimethylbenzene	Ave	1.551	1.206		1.55	2.00	-22.3	35.0
Butylcyclohexane	Ave	1.249	1.272		2.04	2.00	1.9	35.0
Indane	Ave	1.445	1.508		2.09	2.00	4.4	35.0
1,2-Dichlorobenzene	Ave	1.009	1.069		2.12	2.00	5.9	35.0
Butylbenzene	Ave	1.929	2.209		2.29	2.00	14.5	35.0
Indene	Ave	1.185	1.090		1.84	2.00	-8.1	35.0
Undecane	Ave	0.997	1.193		2.39	2.00	19.6	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.4974	0.4622		1.86	2.00	-7.1	35.0
1,2,4,5-Tetramethylbenzene	Ave	1.708	1.747		2.05	2.00	2.3	35.0
Dodecane	Ave	1.041	1.249		2.40	2.00	20.0	35.0
1,2,4-Trichlorobenzene	Ave	0.7808	0.9644		2.47	2.00	23.5	35.0
Naphthalene	Ave	1.754	2.149		2.45	2.00	22.5	35.0
Hexachlorobutadiene	Ave	1.086	1.198		2.21	2.00	10.3	35.0
1,2,3-Trichlorobenzene	Ave	0.7920	0.9407		2.38	2.00	18.8	35.0
2-Methylnaphthalene	Ave	0.4021	0.3985		1.98	2.00	-0.9	50.0
1-Methylnaphthalene	Ave	0.6340	0.5376		1.70	2.00	-15.2	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7962	0.7998		4.66	4.64	0.5	35.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08ICV.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 09-Feb-2021 08:26:30 ALS Bottle#: 6 Worklist Smp#: 17
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018155-017
Misc. Info.: S137 100ML
Operator ID: HMT Instrument ID: MH
Sublist:

Method: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 09-Feb-2021 11:38:51 Calib Date: 09-Feb-2021 06:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: barlozhetskayaa Date: 09-Feb-2021 09:54:43

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	9.431	9.431	0.000	86	444710	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.668	11.669	-0.001	94	2057254	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.408	16.408	0.000	86	1810720	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.026	18.026	0.000	95	1399893	4.64	4.66	
6 Chlorodifluoromethane	51	3.854	3.854	0.000	96	342597	2.00	2.10	
7 Propene	41	3.869	3.870	-0.001	99	136291	2.00	2.05	
8 Dichlorodifluoromethane	85	3.926	3.926	0.000	99	691881	2.00	2.05	
9 Chloromethane	52	4.128	4.128	0.000	98	51167	2.00	2.00	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.133	4.133	0.000	90	514120	2.00	2.08	
11 Acetaldehyde	44	4.298	4.299	-0.001	95	266854	10.0	8.75	
12 Vinyl chloride	62	4.319	4.319	0.000	98	206824	2.00	2.05	
14 Butadiene	54	4.417	4.412	0.005	72	127369	2.00	2.04	
13 Butane	43	4.417	4.412	0.005	84	226277	2.00	2.10	
15 Bromomethane	94	4.779	4.774	0.005	99	241802	2.00	2.03	
16 Chloroethane	64	4.934	4.929	0.005	96	85901	2.00	2.06	
17 Ethanol	31	5.027	5.022	0.005	94	281847	10.0	7.56	
18 Vinyl bromide	106	5.270	5.270	0.000	98	266826	2.00	2.15	
19 2-Methylbutane	43	5.317	5.317	0.000	92	218501	2.00	2.12	
20 Trichlorofluoromethane	101	5.559	5.560	-0.001	99	670118	2.00	2.07	
21 Acrolein	56	5.575	5.570	0.005	91	76471	2.00	2.27	
22 Acetonitrile	40	5.647	5.642	0.005	99	74233	2.00	1.99	
23 Acetone	58	5.694	5.689	0.005	97	95385	2.00	1.97	
25 Isopropyl alcohol	45	5.777	5.772	0.005	93	277105	2.00	2.44	
24 Pentane	72	5.802	5.803	-0.001	97	26135	2.00	2.15	
26 Ethyl ether	31	5.973	5.968	0.005	97	202396	2.00	2.16	
27 1,1-Dichloroethene	96	6.330	6.330	0.000	98	251088	2.00	2.04	
29 2-Methyl-2-propanol	59	6.412	6.407	0.005	95	304406	2.00	2.06	
28 Acrylonitrile	53	6.443	6.438	0.005	94	151035	2.00	2.07	
30 112TCTFE	101	6.516	6.511	0.005	97	566431	2.00	2.08	
31 Methylene Chloride	84	6.707	6.702	0.005	89	232098	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
32 3-Chloro-1-propene	39	6.722	6.717	0.005	96	165797	2.00	2.03	
33 Carbon disulfide	76	6.883	6.883	0.000	97	732817	2.00	2.08	
34 trans-1,2-Dichloroethene	96	7.565	7.565	0.000	99	248999	2.00	2.07	
35 2-Methylpentane	43	7.575	7.570	0.005	93	395873	2.00	1.91	
36 Methyl tert-butyl ether	73	7.673	7.668	0.005	96	563964	2.00	2.13	
37 1,1-Dichloroethane	63	8.009	8.009	0.000	99	437709	2.00	2.10	
38 Vinyl acetate	43	8.107	8.102	0.005	100	510037	2.00	2.21	
39 2-Butanone (MEK)	72	8.578	8.573	0.005	98	108723	2.00	1.96	
40 Hexane	56	8.619	8.614	0.005	92	152452	2.00	2.03	
41 Isopropyl ether	45	8.769	8.764	0.005	96	684509	2.00	2.13	
42 cis-1,2-Dichloroethene	96	9.069	9.069	0.000	92	274321	2.00	2.14	
43 Ethyl acetate	43	9.239	9.234	0.005	99	432862	2.00	1.98	
44 Chloroform	83	9.441	9.436	0.005	95	585003	2.00	2.06	
45 Tert-butyl ethyl ether	59	9.498	9.493	0.005	96	588458	2.00	1.98	
46 Tetrahydrofuran	42	9.844	9.839	0.005	90	223236	2.00	2.09	
47 1,1,1-Trichloroethane	97	10.531	10.526	0.005	96	540679	2.00	2.07	
48 1,2-Dichloroethane	62	10.645	10.640	0.005	98	338113	2.00	2.08	
49 n-Butanol	31	11.033	11.033	0.000	87	74231	2.00	2.02	
51 Benzene	78	11.136	11.131	0.005	95	794967	2.00	2.09	
50 Cyclohexane	69	11.131	11.131	0.000	88	117151	2.00	2.09	
52 Carbon tetrachloride	117	11.157	11.157	0.000	99	603504	2.00	2.24	
53 2,3-Dimethylpentane	71	11.234	11.235	-0.001	91	152924	2.00	2.00	
54 Thiophene	84	11.415	11.410	0.005	92	444568	2.00	2.04	
55 Isooctane	57	11.880	11.875	0.005	98	1094321	2.00	2.10	
56 n-Heptane	71	12.247	12.248	-0.001	90	243428	2.00	2.09	
57 1,2-Dichloropropane	63	12.356	12.356	0.000	96	314962	2.00	2.07	
58 Trichloroethene	130	12.392	12.387	0.005	97	342214	2.00	1.99	
59 Dibromomethane	93	12.485	12.480	0.005	96	382893	2.00	2.07	
61 1,4-Dioxane	88	12.609	12.609	0.000	84	109843	2.00	1.94	
60 Dichlorobromomethane	83	12.619	12.620	-0.001	98	612751	2.00	2.12	
62 Methyl methacrylate	41	12.687	12.682	0.005	96	268736	2.00	2.06	
63 Methylcyclohexane	83	13.157	13.157	0.000	96	568969	2.00	2.50	
64 4-Methyl-2-pentanone (MIBK)	43	13.534	13.534	0.000	96	522492	2.00	2.09	
65 cis-1,3-Dichloropropene	75	13.617	13.612	0.005	91	457088	2.00	2.15	
66 trans-1,3-Dichloropropene	75	14.310	14.305	0.005	96	411150	2.00	2.17	
67 Toluene	91	14.439	14.439	0.000	92	993995	2.00	2.06	
68 1,1,2-Trichloroethane	83	14.511	14.511	0.000	93	335786	2.00	2.07	
69 2-Hexanone	58	14.868	14.868	0.000	93	267756	2.00	2.17	
70 n-Octane	85	15.095	15.090	0.005	92	257490	2.00	2.19	
71 Chlorodibromomethane	129	15.224	15.225	0.000	97	653769	2.00	2.24	
72 Ethylene Dibromide	107	15.514	15.514	0.000	98	572248	2.00	2.10	
73 Tetrachloroethene	129	15.581	15.576	0.005	96	377631	2.00	2.07	
75 2,3-Dimethylheptane	43	16.439	16.439	0.000	95	681911	2.00	1.88	
74 Chlorobenzene	112	16.454	16.455	-0.001	94	768090	2.00	2.07	
76 Ethylbenzene	91	16.733	16.734	-0.001	98	1274606	2.00	2.09	
77 m-Xylene & p-Xylene	91	16.894	16.894	0.000	98	2084306	4.00	4.31	
78 n-Nonane	57	17.281	17.282	-0.001	91	548681	2.00	2.16	
80 Styrene	104	17.359	17.359	0.000	98	725912	2.00	2.17	
79 Bromoform	173	17.364	17.364	0.000	94	725773	2.00	2.25	
81 o-Xylene	91	17.421	17.421	0.000	98	1055126	2.00	2.10	
82 1,1,2,2-Tetrachloroethane	83	17.741	17.741	0.000	98	854208	2.00	2.14	
83 1,2,3-Trichloropropane	110	17.896	17.897	-0.001	98	170825	2.00	2.14	

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	17.989	17.990	-0.001	95	1399121	2.00	2.14	
85 N-Propylbenzene	120	18.501	18.501	0.000	99	377181	2.00	2.18	
86 2-Chlorotoluene	126	18.553	18.553	0.000	97	354954	2.00	2.12	
87 4-Ethyltoluene	105	18.641	18.641	0.000	99	1343438	2.00	2.04	
88 1,3,5-Trimethylbenzene	120	18.708	18.708	0.000	91	623078	2.00	2.37	
89 Alpha Methyl Styrene	118	18.930	18.930	0.000	87	572723	2.00	2.17	
90 n-Decane	57	18.961	18.961	0.000	90	747566	2.00	2.24	
91 tert-Butylbenzene	119	19.121	19.121	0.000	89	1269041	2.00	2.16	
92 1,2,4-Trimethylbenzene	105	19.132	19.132	0.000	96	1272580	2.00	2.18	
93 sec-Butylbenzene	105	19.380	19.380	0.000	98	1815837	2.00	2.18	
94 1,3-Dichlorobenzene	146	19.406	19.406	0.000	98	788403	2.00	2.09	
95 Benzyl chloride	91	19.473	19.473	0.000	98	912250	2.00	2.25	
96 1,4-Dichlorobenzene	146	19.488	19.488	0.000	94	757350	2.00	2.06	
97 4-Isopropyltoluene	119	19.530	19.530	0.000	97	1434166	2.00	2.20	
98 1,2,3-Trimethylbenzene	105	19.592	19.592	0.000	99	909699	2.00	1.55	
99 Butylcyclohexane	83	19.633	19.633	0.000	98	959689	2.00	2.04	
101 2,3-Dihydroindene	117	19.834	19.835	-0.001	93	1137992	2.00	2.09	
100 1,2-Dichlorobenzene	146	19.840	19.840	0.000	97	806375	2.00	2.12	
103 n-Butylbenzene	91	19.953	19.954	-0.001	95	1666339	2.00	2.29	
102 Indene	116	19.964	19.964	0.000	92	822031	2.00	1.84	
104 Undecane	57	20.232	20.233	-0.001	95	899783	2.00	2.39	
105 1,2-Dibromo-3-Chloropropane	157	20.434	20.434	0.000	97	348717	2.00	1.86	
106 1,2,4,5-Tetramethylbenzene	119	20.708	20.708	0.000	95	1318222	2.00	2.05	
107 Dodecane	57	21.323	21.323	0.000	97	942257	2.00	2.40	
108 1,2,4-Trichlorobenzene	180	21.566	21.566	0.000	94	727592	2.00	2.47	
109 Naphthalene	128	21.695	21.695	0.000	99	1621376	2.00	2.45	
110 Hexachlorobutadiene	225	21.850	21.850	0.000	90	903687	2.00	2.21	
111 1,2,3-Trichlorobenzene	180	21.907	21.907	0.000	94	709700	2.00	2.38	
112 2-Methylnaphthalene	142	22.445	22.445	0.000	98	300655	2.00	1.98	
113 1-Methylnaphthalene	142	22.574	22.574	0.000	98	405586	2.00	1.70	
A 115 C8 Range	1	15.090	(15.038-15.142)		0	2272752	2.00	2.14	
S 116 Xylenes, Total	100				0		6.00	6.40	
S 117 1,2-Dichloroethene, Total	1				0		4.00	4.21	
T 139 2-Methylthiophene TIC	97	14.594	14.594	0.000	91	785801	2.00	2.08	
T 142 3-Methylthiophene TIC	97	14.795	14.790	0.005	94	775568	2.00	2.06	
T 141 2-Ethylthiophene TIC	97	16.837	16.837	0.000	95	941896	2.00	2.50	
T 152 1,2-Dimethyl-4-Ethylbenzene TIC	119	20.315	20.765	-0.450	95	1067903	2.00	2.83	
T 149 1,2,3,5-Tetramethylbenzene TIC	119	20.765	20.770	-0.005	96	788840	2.00	2.09	
T 151 Benzo(b)thiophene TIC	134	21.778	21.783	-0.005	95	713646	2.00	1.89	

QC Flag Legend

Processing Flags

Reagents:

40CV101S_00137	Amount Added: 100.00	Units: mL	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

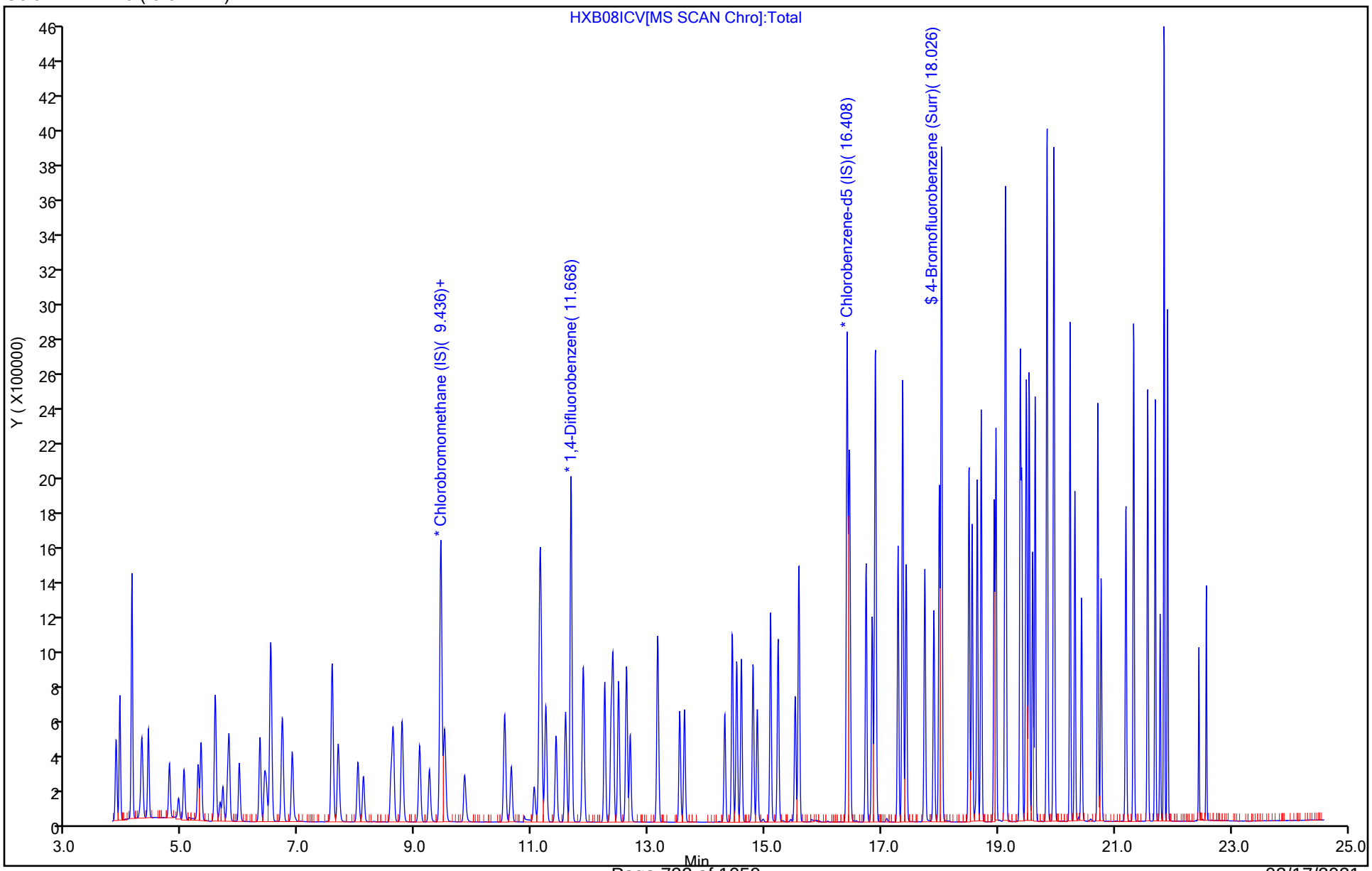
Report Date: 09-Feb-2021 11:38:55 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08ICV.D

Injection Date:	09-Feb-2021 08:26:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	ICV			Worklist Smp#:	17
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MH_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.: 140-21885-1

SDG No.:

Lab Sample ID: CCVIS 140-46842/2 Calibration Date: 02/11/2021 08:58

Instrument ID: MH Calib Start Date: 02/08/2021 20:24

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/09/2021 06:44

Lab File ID: HCCVB11.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	1.757	2.007		2.28	2.00	14.2	30.0
Propene	Ave	0.7182	0.7979		2.22	2.00	11.1	30.0
Dichlorodifluoromethane	Ave	3.649	4.029		2.21	2.00	10.4	30.0
Chloromethane	Ave	0.2764	0.3303		2.39	2.00	19.5	30.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	Ave	2.663	3.265		2.45	2.00	22.6	30.0
Acetaldehyde	Ave	0.3291	0.3450		10.5	10.0	4.8	30.0
Vinyl chloride	Ave	1.087	1.329		2.45	2.00	22.3	30.0
1,3-Butadiene	Ave	0.6727	0.8221		2.44	2.00	22.2	30.0
Butane	Ave	1.163	1.438		2.47	2.00	23.7	30.0
Bromomethane	Ave	1.285	1.581		2.46	2.00	23.0	30.0
Chloroethane	Ave	0.4509	0.5464		2.42	2.00	21.2	30.0
Ethanol	Ave	0.4026	0.3322		8.25	10.0	-17.5	30.0
Vinyl bromide	Ave	1.342	1.521		2.27	2.00	13.4	30.0
2-Methylbutane	Ave	1.114	1.258		2.26	2.00	13.0	30.0
Trichlorofluoromethane	Ave	3.491	3.783		2.17	2.00	8.4	30.0
Acrolein	Ave	0.3635	0.4335		2.39	2.00	19.3	30.0
Acetonitrile	Ave	0.4022	0.4347		2.16	2.00	8.1	30.0
Acetone	Ave	0.5214	0.5429		2.08	2.00	4.1	30.0
Isopropyl alcohol	Ave	1.228	1.544		2.51	2.00	25.7	30.0
Pentane	Ave	0.1312	0.1472		2.24	2.00	12.2	30.0
Ethyl ether	Ave	1.014	1.146		2.26	2.00	13.0	30.0
1,1-Dichloroethene	Ave	1.326	1.422		2.15	2.00	7.3	30.0
tert-Butyl alcohol	Ave	1.592	1.721		2.16	2.00	8.1	30.0
Acrylonitrile	Ave	0.7857	0.8780		2.23	2.00	11.7	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.941	3.263		2.22	2.00	10.9	30.0
Methylene Chloride	Ave	1.226	1.361		2.22	2.00	11.0	30.0
3-Chloropropene	Ave	0.8795	0.9388		2.13	2.00	6.7	30.0
Carbon disulfide	Ave	3.802	4.244		2.23	2.00	11.6	30.0
trans-1,2-Dichloroethene	Ave	1.300	1.427		2.19	2.00	9.7	30.0
2-Methylpentane	Ave	2.238	2.317		2.07	2.00	3.5	30.0
Methyl tert-butyl ether	Ave	2.861	3.225		2.25	2.00	12.7	30.0
1,1-Dichloroethane	Ave	2.255	2.508		2.23	2.00	11.3	30.0
Vinyl acetate	Ave	2.493	2.851		2.29	2.00	14.4	30.0
2-Butanone (MEK)	Ave	0.5983	0.6308		2.11	2.00	5.4	30.0
Hexane	Ave	0.8092	0.8769		2.17	2.00	8.4	30.0
Isopropyl ether	Ave	3.467	3.896		2.25	2.00	12.4	30.0
cis-1,2-Dichloroethene	Ave	1.381	1.538		2.23	2.00	11.3	30.0
Ethyl acetate	Ave	2.365	2.450		2.07	2.00	3.6	30.0
Chloroform	Ave	3.071	3.303		2.15	2.00	7.6	30.0
Tert-butyl ethyl ether	Ave	3.205	3.333		2.08	2.00	4.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Lab Sample ID: CCVIS 140-46842/2 Calibration Date: 02/11/2021 08:58

Instrument ID: MH Calib Start Date: 02/08/2021 20:24

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/09/2021 06:44

Lab File ID: HCCVB11.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	1.153	1.268		2.20	2.00	10.0	30.0
1,1,1-Trichloroethane	Ave	2.817	2.938		2.09	2.00	4.3	30.0
1,2-Dichloroethane	Ave	0.3788	0.3990		2.11	2.00	5.3	30.0
1-Butanol	Ave	0.0859	0.0831		1.93	2.00	-3.3	30.0
Cyclohexane	Ave	0.1307	0.1438		2.20	2.00	10.0	30.0
Benzene	Ave	0.8883	0.9885		2.23	2.00	11.3	30.0
Carbon tetrachloride	Ave	0.6284	0.7169		2.28	2.00	14.1	30.0
2,3-Dimethylpentane	Ave	0.1785	0.1897		2.13	2.00	6.3	30.0
Thiophene	Ave	0.5077	0.5503		2.17	2.00	8.4	30.0
2,2,4-Trimethylpentane	Ave	1.214	1.351		2.23	2.00	11.3	30.0
Heptane	Ave	0.2722	0.3007		2.21	2.00	10.5	30.0
1,2-Dichloropropane	Ave	0.3551	0.3930		2.21	2.00	10.7	30.0
Trichloroethene	Ave	0.4006	0.4191		2.09	2.00	4.6	30.0
Dibromomethane	Ave	0.4307	0.4780		2.22	2.00	11.0	30.0
1,4-Dioxane	Ave	0.1322	0.1332		2.02	2.00	0.8	30.0
Bromodichloromethane	Ave	0.6750	0.7383		2.19	2.00	9.4	30.0
Methyl methacrylate	Ave	0.3044	0.3267		2.15	2.00	7.3	30.0
Methylcyclohexane	Ave	0.5303	0.7004		2.64	2.00	32.1*	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5823	0.6331		2.17	2.00	8.7	30.0
cis-1,3-Dichloropropene	Ave	0.4953	0.5531		2.23	2.00	11.7	30.0
trans-1,3-Dichloropropene	Ave	0.5013	0.5558		2.22	2.00	10.9	30.0
Toluene	Ave	1.280	1.396		2.18	2.00	9.1	30.0
1,1,2-Trichloroethane	Ave	0.4294	0.4745		2.21	2.00	10.5	30.0
2-Hexanone	Ave	0.3275	0.3651		2.23	2.00	11.5	30.0
Octane	Ave	0.3118	0.3585		2.30	2.00	15.0	30.0
Dibromochloromethane	Ave	0.7746	0.8926		2.30	2.00	15.2	30.0
1,2-Dibromoethane (EDB)	Ave	0.7236	0.7985		2.21	2.00	10.3	30.0
Tetrachloroethene	Ave	0.4827	0.5310		2.20	2.00	10.0	30.0
2,3-Dimethylheptane	Ave	0.9614	0.9579		1.99	2.00	-0.4	30.0
Chlorobenzene	Ave	0.9838	1.080		2.20	2.00	9.8	30.0
Ethylbenzene	Ave	1.615	1.801		2.23	2.00	11.5	30.0
m-Xylene & p-Xylene	Ave	1.282	1.462		4.56	4.00	14.0	30.0
Nonane	Ave	0.6725	0.7614		2.26	2.00	13.2	30.0
Bromoform	Ave	0.8537	0.9676		2.27	2.00	13.3	30.0
Styrene	Ave	0.8871	1.017		2.29	2.00	14.6	30.0
o-Xylene	Ave	1.335	1.472		2.21	2.00	10.3	30.0
1,1,2,2-Tetrachloroethane	Ave	1.060	1.223		2.31	2.00	15.3	30.0
1,2,3-Trichloropropane	Ave	0.2116	0.2355		2.23	2.00	11.3	30.0
Isopropylbenzene	Ave	1.731	1.964		2.27	2.00	13.5	30.0
Propylbenzene	Ave	0.4581	0.5248		2.29	2.00	14.6	30.0
2-Chlorotoluene	Ave	0.4448	0.4974		2.24	2.00	11.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Lab Sample ID: CCVIS 140-46842/2 Calibration Date: 02/11/2021 08:58

Instrument ID: MH Calib Start Date: 02/08/2021 20:24

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 02/09/2021 06:44

Lab File ID: HCCVB11.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	1.745	1.889		2.17	2.00	8.3	30.0
1,3,5-Trimethylbenzene	Ave	0.6965	0.8877		2.55	2.00	27.4	30.0
Alpha Methyl Styrene	Ave	0.6982	0.7956		2.28	2.00	13.9	30.0
Decane	Ave	0.8854	1.069		2.42	2.00	20.8	30.0
tert-Butylbenzene	Ave	1.558	1.785		2.29	2.00	14.6	30.0
1,2,4-Trimethylbenzene	Ave	1.545	1.795		2.32	2.00	16.2	30.0
sec-Butylbenzene	Ave	2.212	2.583		2.33	2.00	16.7	30.0
1,3-Dichlorobenzene	Ave	0.998	1.102		2.21	2.00	10.5	30.0
Benzyl chloride	Ave	1.074	1.269		2.36	2.00	18.2	30.0
1,4-Dichlorobenzene	Ave	0.9744	1.046		2.15	2.00	7.4	30.0
4-Isopropyltoluene	Ave	1.728	2.044		2.37	2.00	18.3	30.0
1,2,3-Trimethylbenzene	Ave	1.551	1.288		1.66	2.00	-17.0	30.0
Butylcyclohexane	Ave	1.249	1.394		2.23	2.00	11.6	30.0
Indane	Ave	1.445	1.605		2.22	2.00	11.1	30.0
1,2-Dichlorobenzene	Ave	1.009	1.133		2.24	2.00	12.2	30.0
Butylbenzene	Ave	1.929	2.385		2.47	2.00	23.6	30.0
Indene	Ave	1.185	1.159		1.96	2.00	-2.2	30.0
Undecane	Ave	0.997	1.286		2.58	2.00	28.9	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.4974	0.4736		1.90	2.00	-4.8	30.0
1,2,4,5-Tetramethylbenzene	Ave	1.708	1.855		2.17	2.00	8.6	30.0
Dodecane	Ave	1.041	1.325		2.55	2.00	27.3	30.0
1,2,4-Trichlorobenzene	Ave	0.7808	1.004		2.57	2.00	28.6	30.0
Naphthalene	Ave	1.754	2.293		2.61	2.00	30.7*	30.0
Hexachlorobutadiene	Ave	1.086	1.429		2.63	2.00	31.6*	30.0
1,2,3-Trichlorobenzene	Ave	0.7920	1.059		2.67	2.00	33.7*	30.0
2-Methylnaphthalene	Ave	0.4021	0.4141		2.06	2.00	3.0	50.0
1-Methylnaphthalene	Ave	0.6340	0.5756		1.82	2.00	-9.2	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7962	0.7830		4.56	4.64	-1.7	30.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HCCVB11.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 11-Feb-2021 08:58:30 ALS Bottle#: 20 Worklist Smp#: 2
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018175-002
Misc. Info.: S137 100ML
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub6

Method: \\chromfs\Knoxville\ChromData\MH\20210210-18175.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Feb-2021 11:02:57 Calib Date: 09-Feb-2021 06:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1655

First Level Reviewer: khachitpongpanits Date: 12-Feb-2021 11:02:57

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	9.451	9.451	0.000	91	353503	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.679	11.679	0.000	94	1635050	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.408	16.408	0.000	86	1435865	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.031	18.031	0.000	94	1086822	4.64	4.56	
6 Chlorodifluoromethane	51	3.849	3.849	0.000	96	295613	2.00	2.28	
7 Propene	41	3.864	3.864	0.000	99	117518	2.00	2.22	
8 Dichlorodifluoromethane	85	3.921	3.921	0.000	100	593390	2.00	2.21	
9 Chloromethane	52	4.123	4.123	0.000	46	48657	2.00	2.39	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.128	4.128	0.000	91	480975	2.00	2.45	
11 Acetaldehyde	44	4.293	4.293	0.000	97	254059	10.0	10.5	
12 Vinyl chloride	62	4.314	4.314	0.000	99	195795	2.00	2.45	
14 Butadiene	54	4.407	4.407	0.000	71	121090	2.00	2.44	
13 Butane	43	4.407	4.407	0.000	83	211864	2.00	2.47	
15 Bromomethane	94	4.769	4.769	0.000	99	232845	2.00	2.46	
16 Chloroethane	64	4.929	4.929	0.000	97	80485	2.00	2.42	
17 Ethanol	31	5.017	5.017	0.000	94	244637	10.0	8.25	
18 Vinyl bromide	106	5.260	5.260	0.000	98	224100	2.00	2.27	
19 2-Methylbutane	43	5.317	5.317	0.000	92	185320	2.00	2.26	
20 Trichlorofluoromethane	101	5.554	5.554	0.000	99	557223	2.00	2.17	
21 Acrolein	56	5.565	5.565	0.000	90	63857	2.00	2.39	
22 Acetonitrile	40	5.637	5.637	0.000	100	64028	2.00	2.16	
23 Acetone	58	5.684	5.684	0.000	97	79965	2.00	2.08	
25 Isopropyl alcohol	45	5.766	5.766	0.000	95	227415	2.00	2.51	
24 Pentane	72	5.792	5.792	0.000	97	21682	2.00	2.24	
26 Ethyl ether	31	5.968	5.968	0.000	95	168752	2.00	2.26	
27 1,1-Dichloroethene	96	6.324	6.324	0.000	98	209485	2.00	2.15	
29 2-Methyl-2-propanol	59	6.402	6.402	0.000	95	253463	2.00	2.16	
28 Acrylonitrile	53	6.433	6.433	0.000	94	129319	2.00	2.23	
30 112TCTFE	101	6.505	6.505	0.000	96	480624	2.00	2.22	
31 Methylene Chloride	84	6.697	6.697	0.000	90	200430	2.00	2.22	

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	6.717	6.717	0.000	96	138277	2.00	2.13	
33 Carbon disulfide	76	6.877	6.877	0.000	97	625177	2.00	2.23	
34 trans-1,2-Dichloroethene	96	7.560	7.560	0.000	99	210134	2.00	2.19	
35 2-Methylpentane	43	7.575	7.575	0.000	94	341306	2.00	2.07	
36 Methyl tert-butyl ether	73	7.673	7.673	0.000	97	475055	2.00	2.25	
37 1,1-Dichloroethane	63	8.025	8.025	0.000	99	369467	2.00	2.23	
38 Vinyl acetate	43	8.118	8.118	0.000	100	419868	2.00	2.29	
39 2-Butanone (MEK)	72	8.593	8.593	0.000	98	92919	2.00	2.11	
40 Hexane	56	8.635	8.635	0.000	92	129168	2.00	2.17	
41 Isopropyl ether	45	8.785	8.785	0.000	96	573833	2.00	2.25	
42 cis-1,2-Dichloroethene	96	9.090	9.090	0.000	93	226479	2.00	2.23	
43 Ethyl acetate	43	9.255	9.255	0.000	99	360853	2.00	2.07	
44 Chloroform	83	9.456	9.456	0.000	94	486509	2.00	2.15	
45 Tert-butyl ethyl ether	59	9.513	9.513	0.000	96	490859	2.00	2.08	
46 Tetrahydrofuran	42	9.860	9.860	0.000	89	186714	2.00	2.20	
47 1,1,1-Trichloroethane	97	10.542	10.542	0.000	96	432720	2.00	2.09	
48 1,2-Dichloroethane	62	10.656	10.656	0.000	98	271835	2.00	2.11	
49 n-Butanol	31	11.048	11.048	0.000	86	56625	2.00	1.93	
50 Cyclohexane	69	11.141	11.141	0.000	81	97965	2.00	2.20	
51 Benzene	78	11.147	11.147	0.000	95	673427	2.00	2.23	
52 Carbon tetrachloride	117	11.167	11.167	0.000	97	488372	2.00	2.28	
53 2,3-Dimethylpentane	71	11.245	11.245	0.000	92	129233	2.00	2.13	
54 Thiophene	84	11.420	11.420	0.000	92	374936	2.00	2.17	
55 Isooctane	57	11.886	11.886	0.000	98	920627	2.00	2.23	
56 n-Heptane	71	12.253	12.253	0.000	90	204828	2.00	2.21	
57 1,2-Dichloropropane	63	12.361	12.361	0.000	96	267733	2.00	2.21	
58 Trichloroethene	130	12.397	12.397	0.000	93	285535	2.00	2.09	
59 Dibromomethane	93	12.490	12.490	0.000	95	325626	2.00	2.22	
61 1,4-Dioxane	88	12.614	12.614	0.000	83	90740	2.00	2.02	
60 Dichlorobromomethane	83	12.630	12.630	0.000	98	502976	2.00	2.19	
62 Methyl methacrylate	41	12.687	12.687	0.000	95	222556	2.00	2.15	
63 Methylcyclohexane	83	13.162	13.162	0.000	95	477159	2.00	2.64	
64 4-Methyl-2-pentanone (MIBK)	43	13.539	13.539	0.000	97	431297	2.00	2.17	
65 cis-1,3-Dichloropropene	75	13.617	13.617	0.000	91	376840	2.00	2.23	
66 trans-1,3-Dichloropropene	75	14.310	14.310	0.000	96	332508	2.00	2.22	
67 Toluene	91	14.439	14.439	0.000	92	835390	2.00	2.18	
68 1,1,2-Trichloroethane	83	14.516	14.516	0.000	93	283885	2.00	2.21	
69 2-Hexanone	58	14.868	14.868	0.000	93	218426	2.00	2.23	
70 n-Octane	85	15.095	15.095	0.000	92	214497	2.00	2.30	
71 Chlorodibromomethane	129	15.224	15.224	0.000	97	534036	2.00	2.30	
72 Ethylene Dibromide	107	15.519	15.519	0.000	98	477717	2.00	2.21	
73 Tetrachloroethene	129	15.581	15.581	0.000	95	317676	2.00	2.20	
75 2,3-Dimethylheptane	43	16.444	16.444	0.000	95	573106	2.00	1.99	
74 Chlorobenzene	112	16.460	16.460	0.000	95	646429	2.00	2.20	
76 Ethylbenzene	91	16.734	16.734	0.000	98	1077448	2.00	2.23	
77 m-Xylene & p-Xylene	91	16.894	16.894	0.000	98	1749282	4.00	4.56	
78 n-Nonane	57	17.281	17.281	0.000	90	455502	2.00	2.26	
80 Styrene	104	17.364	17.364	0.000	98	608303	2.00	2.29	
79 Bromoform	173	17.364	17.364	0.000	94	578888	2.00	2.27	
81 o-Xylene	91	17.421	17.421	0.000	98	880700	2.00	2.21	
82 1,1,2,2-Tetrachloroethane	83	17.741	17.741	0.000	98	731501	2.00	2.31	
83 1,2,3-Trichloropropane	110	17.896	17.896	0.000	98	140924	2.00	2.23	

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	17.989	17.989	0.000	95	1175304	2.00	2.27	
85 N-Propylbenzene	120	18.501	18.501	0.000	99	313946	2.00	2.29	
86 2-Chlorotoluene	126	18.553	18.553	0.000	96	297591	2.00	2.24	
87 4-Ethyltoluene	105	18.641	18.641	0.000	99	1130393	2.00	2.17	
88 1,3,5-Trimethylbenzene	120	18.713	18.713	0.000	92	531067	2.00	2.55	
89 Alpha Methyl Styrene	118	18.935	18.935	0.000	88	475979	2.00	2.28	
90 n-Decane	57	18.966	18.966	0.000	90	639735	2.00	2.42	
91 tert-Butylbenzene	119	19.121	19.121	0.000	89	1067886	2.00	2.29	
92 1,2,4-Trimethylbenzene	105	19.137	19.137	0.000	96	1073933	2.00	2.32	
93 sec-Butylbenzene	105	19.380	19.380	0.000	98	1545188	2.00	2.33	
94 1,3-Dichlorobenzene	146	19.406	19.406	0.000	98	659387	2.00	2.21	
95 Benzyl chloride	91	19.478	19.478	0.000	98	759128	2.00	2.36	
96 1,4-Dichlorobenzene	146	19.488	19.488	0.000	95	626010	2.00	2.15	
97 4-Isopropyltoluene	119	19.535	19.535	0.000	97	1222956	2.00	2.37	
98 1,2,3-Trimethylbenzene	105	19.592	19.592	0.000	99	770306	2.00	1.66	
99 Butylcyclohexane	83	19.638	19.638	0.000	98	834155	2.00	2.23	
101 2,3-Dihydroindene	117	19.840	19.840	0.000	94	960393	2.00	2.22	
100 1,2-Dichlorobenzene	146	19.845	19.845	0.000	97	677703	2.00	2.24	
103 n-Butylbenzene	91	19.953	19.953	0.000	96	1426707	2.00	2.47	
102 Indene	116	19.969	19.969	0.000	93	693460	2.00	1.96	
104 Undecane	57	20.238	20.238	0.000	95	769119	2.00	2.58	
105 1,2-Dibromo-3-Chloropropane	157	20.434	20.434	0.000	97	283329	2.00	1.90	
106 1,2,4,5-Tetramethylbenzene	119	20.713	20.713	0.000	95	1109859	2.00	2.17	
107 Dodecane	57	21.328	21.328	0.000	97	792803	2.00	2.55	
108 1,2,4-Trichlorobenzene	180	21.571	21.571	0.000	94	600897	2.00	2.57	
109 Naphthalene	128	21.695	21.695	0.000	99	1371592	2.00	2.61	
110 Hexachlorobutadiene	225	21.850	21.850	0.000	90	854976	2.00	2.63	
111 1,2,3-Trichlorobenzene	180	21.912	21.912	0.000	94	633455	2.00	2.67	
112 2-Methylnaphthalene	142	22.445	22.445	0.000	98	247775	2.00	2.06	
113 1-Methylnaphthalene	142	22.574	22.574	0.000	98	344400	2.00	1.82	
A 115 C8 Range	1	15.100	(15.043-15.157)		0	1905693	2.00	2.26	
S 116 Xylenes, Total	100				0		6.00	6.77	
S 117 1,2-Dichloroethene, Total	1				0		4.00	4.42	
T 139 2-Methylthiophene TIC	97	14.594	14.594	0.000	97	659516	2.00	2.20	
T 142 3-Methylthiophene TIC	97	14.795	14.795	0.000	98	649673	2.00	2.17	
T 141 2-Ethylthiophene TIC	97	16.842	16.842	0.000	97	783995	2.00	2.62	
T 152 1,2-Dimethyl-4-Ethylbenzene TIC	119	20.320	20.320	0.000	97	905844	2.00	3.03	a
T 149 1,2,3,5-Tetramethylbenzene TIC	119	20.770	20.770	0.000	93	663321	2.00	2.22	
T 150 1,2,3,4-Tetramethylbenzene TIC	119	21.194	21.194	0.000	96	898103	2.00	3.00	a
T 151 Benzo(b)thiophene TIC	134	21.783	21.783	0.000	100	595874	2.00	1.99	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

40CV101S_00137	Amount Added: 100.00	Units: ml	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

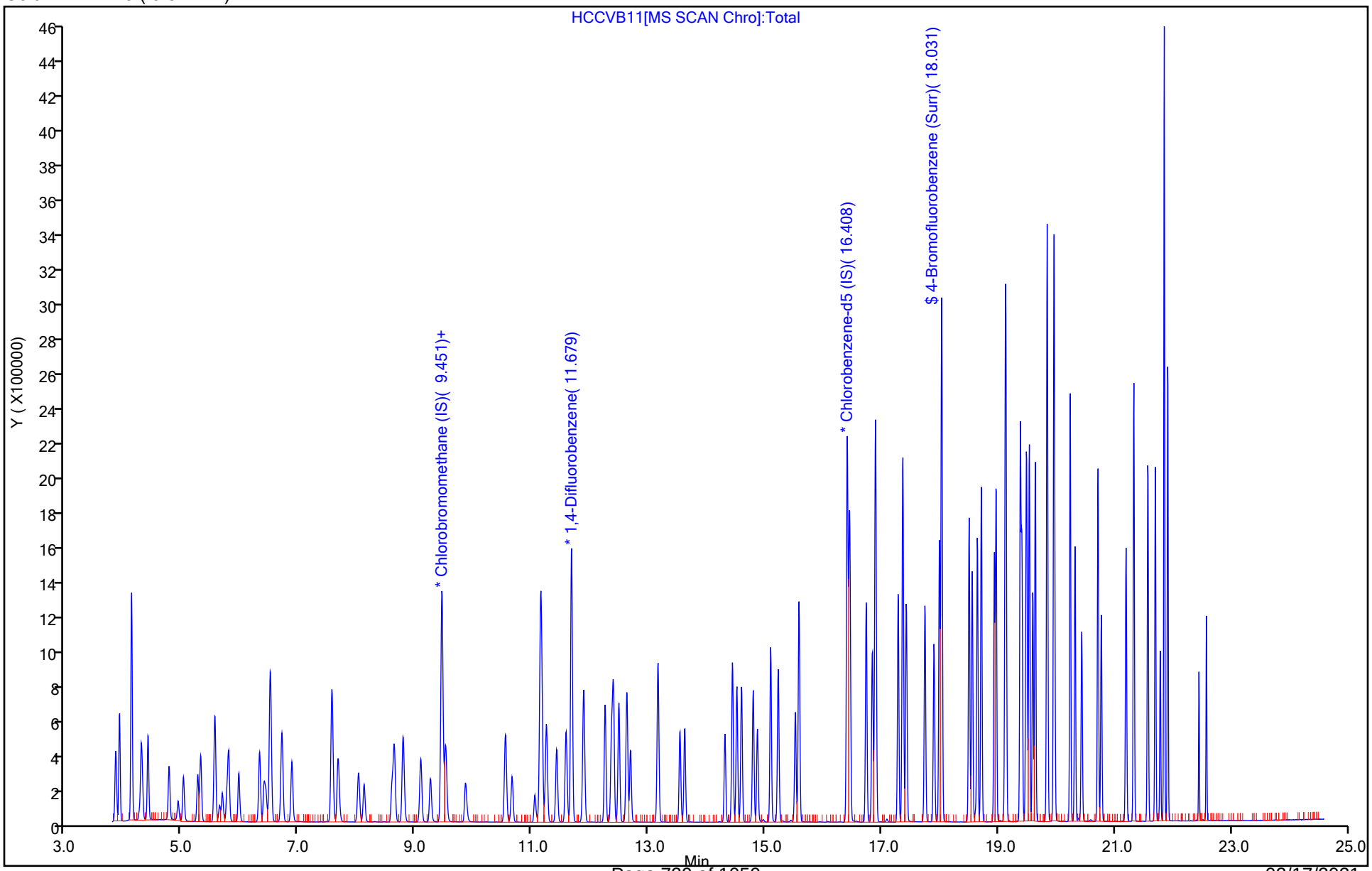
Report Date: 12-Feb-2021 11:02:58 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HCCVB11.D

Injection Date:	11-Feb-2021 08:58:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MH_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.: 140-21885-1

SDG No.:

Lab Sample ID: ICV 140-46159/17 Calibration Date: 01/21/2021 03:29

Instrument ID: MS Calib Start Date: 01/20/2021 15:02

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 01/21/2021 08:11

Lab File ID: SA20ICV.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	2.557	2.605		2.04	2.00	1.9	35.0
Propene	Ave	1.108	1.095		1.98	2.00	-1.2	35.0
Dichlorodifluoromethane	Ave	3.784	3.927		2.08	2.00	3.8	35.0
Chloromethane	Ave	0.2616	0.2701		2.07	2.00	3.3	35.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	Ave	1.900	1.883		1.98	2.00	-0.9	35.0
Acetaldehyde	Ave	0.3353	0.2821		8.42	10.0	-15.8	35.0
Vinyl chloride	Ave	0.8663	0.8541		1.97	2.00	-1.4	35.0
1,3-Butadiene	Ave	0.6688	0.6271		1.88	2.00	-6.2	35.0
Butane	Ave	1.188	1.147		1.93	2.00	-3.5	35.0
Bromomethane	Ave	0.9093	0.8304		1.83	2.00	-8.7	35.0
Chloroethane	Ave	0.3880	0.3808		1.96	2.00	-1.9	35.0
Ethanol	Ave	0.3253	0.2172		6.67	10.0	-33.3	35.0
Vinyl bromide	Ave	1.278	1.359		2.13	2.00	6.3	35.0
2-Methylbutane	Ave	1.637	1.657		2.02	2.00	1.2	35.0
Trichlorofluoromethane	Ave	3.814	3.745		1.96	2.00	-1.8	35.0
Acrolein	Ave	0.4353	0.5011		2.30	2.00	15.1	35.0
Acetonitrile	Ave	0.5900	0.5475		1.86	2.00	-7.2	35.0
Acetone	Ave	0.7451	0.7289		1.96	2.00	-2.2	35.0
Isopropyl alcohol	Ave	1.745	1.964		2.25	2.00	12.6	35.0
Pentane	Ave	0.2221	0.2367		2.13	2.00	6.5	35.0
Ethyl ether	Ave	1.403	1.486		2.12	2.00	5.9	35.0
1,1-Dichloroethene	Ave	1.358	1.377		2.03	2.00	1.4	35.0
tert-Butyl alcohol	Ave	2.276	2.306		2.03	2.00	1.3	35.0
Acrylonitrile	Ave	1.078	1.108		2.05	2.00	2.7	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	3.056	3.084		2.02	2.00	0.9	35.0
Methylene Chloride	Ave	1.443	1.385		1.92	2.00	-4.0	35.0
3-Chloropropene	Ave	1.155	1.116		1.93	2.00	-3.4	35.0
Carbon disulfide	Ave	3.671	3.656		1.99	2.00	-0.4	35.0
trans-1,2-Dichloroethene	Ave	1.372	1.383		2.02	2.00	0.8	35.0
2-Methylpentane	Ave	2.971	2.929		1.97	2.00	-1.4	35.0
Methyl tert-butyl ether	Ave	3.494	3.647		2.09	2.00	4.4	35.0
1,1-Dichloroethane	Ave	2.681	2.667		1.99	2.00	-0.5	35.0
Vinyl acetate	Ave	3.352	3.441		2.05	2.00	2.7	35.0
2-Butanone (MEK)	Ave	0.6648	0.6435		1.94	2.00	-3.2	35.0
Hexane	Ave	1.160	1.201		2.07	2.00	3.5	35.0
Isopropyl ether	Ave	4.536	5.034		2.22	2.00	11.0	35.0
cis-1,2-Dichloroethene	Ave	1.408	1.507		2.14	2.00	7.0	35.0
Ethyl acetate	Ave	3.086	3.046		1.97	2.00	-1.3	35.0
Chloroform	Ave	3.144	3.076		1.96	2.00	-2.2	35.0
Tert-butyl ethyl ether	Ave	4.183	4.276		2.04	2.00	2.2	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Lab Sample ID: ICV 140-46159/17 Calibration Date: 01/21/2021 03:29

Instrument ID: MS Calib Start Date: 01/20/2021 15:02

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 01/21/2021 08:11

Lab File ID: SA20ICV.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	1.507	1.537		2.04	2.00	2.0	35.0
1,1,1-Trichloroethane	Ave	2.995	3.075		2.05	2.00	2.7	35.0
1,2-Dichloroethane	Ave	0.4404	0.4304		1.95	2.00	-2.3	35.0
1-Butanol	Ave	0.0913	0.0854		1.87	2.00	-6.5	35.0
Benzene	Ave	0.8665	0.9209		2.13	2.00	6.3	35.0
Cyclohexane	Ave	0.1238	0.1366		2.21	2.00	10.3	35.0
Carbon tetrachloride	Ave	0.5837	0.5958		2.04	2.00	2.1	35.0
2,3-Dimethylpentane	Ave	0.1759	0.1898		2.16	2.00	7.9	35.0
Thiophene	Ave	0.4901	0.5197		2.12	2.00	6.0	35.0
2,2,4-Trimethylpentane	Ave	1.396	1.522		2.18	2.00	9.0	35.0
Heptane	Ave	0.2642	0.2870		2.17	2.00	8.6	35.0
1,2-Dichloropropane	Ave	0.3433	0.3551		2.07	2.00	3.4	35.0
Trichloroethene	Ave	0.3839	0.3969		2.07	2.00	3.4	35.0
Dibromomethane	Ave	0.3659	0.3826		2.09	2.00	4.6	35.0
1,4-Dioxane	Ave	0.1204	0.1148		1.91	2.00	-4.6	35.0
Bromodichloromethane	Ave	0.5967	0.6492		2.18	2.00	8.8	35.0
Methyl methacrylate	Ave	0.3626	0.3812		2.10	2.00	5.1	35.0
Methylcyclohexane	QuaF		0.6486		2.49	2.00	24.3	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6501	0.6888		2.12	2.00	6.0	35.0
cis-1,3-Dichloropropene	Ave	0.4544	0.5078		2.24	2.00	11.8	35.0
trans-1,3-Dichloropropene	Ave	0.4540	0.5141		2.26	2.00	13.2	35.0
Toluene	Ave	1.196	1.264		2.11	2.00	5.7	35.0
1,1,2-Trichloroethane	Ave	0.3713	0.3853		2.08	2.00	3.8	35.0
2-Hexanone	Ave	0.3709	0.4151		2.24	2.00	11.9	35.0
Octane	Ave	0.3394	0.3917		2.31	2.00	15.4	35.0
Dibromochloromethane	Ave	0.6535	0.7338		2.25	2.00	12.3	35.0
1,2-Dibromoethane (EDB)	Ave	0.6578	0.7047		2.14	2.00	7.1	35.0
Tetrachloroethene	Ave	0.4332	0.4511		2.08	2.00	4.1	35.0
2,3-Dimethylheptane	Ave	1.075	1.056		1.96	2.00	-1.8	35.0
Chlorobenzene	Ave	0.9597	1.017		2.12	2.00	5.9	35.0
Ethylbenzene	Ave	1.498	1.660		2.22	2.00	10.8	35.0
m-Xylene & p-Xylene	Ave	1.132	1.330		4.70	4.00	17.5	35.0
Nonane	Ave	0.7602	0.8696		2.29	2.00	14.4	35.0
Bromoform	Ave	0.5762	0.6624		2.30	2.00	15.0	35.0
Styrene	Ave	0.8109	0.997		2.46	2.00	22.9	35.0
o-Xylene	Ave	1.280	1.392		2.18	2.00	8.8	35.0
1,1,2,2-Tetrachloroethane	Ave	0.9861	1.045		2.12	2.00	6.0	35.0
1,2,3-Trichloropropane	Ave	0.2656	0.2802		2.11	2.00	5.5	35.0
Isopropylbenzene	Ave	1.710	1.920		2.24	2.00	12.2	35.0
Propylbenzene	Ave	0.4633	0.5259		2.27	2.00	13.5	35.0
2-Chlorotoluene	Ave	0.4393	0.4921		2.24	2.00	12.0	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Lab Sample ID: ICV 140-46159/17 Calibration Date: 01/21/2021 03:29

Instrument ID: MS Calib Start Date: 01/20/2021 15:02

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 01/21/2021 08:11

Lab File ID: SA20ICV.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	1.794	1.869		2.08	2.00	4.1	35.0
1,3,5-Trimethylbenzene	Ave	0.7058	0.8954		2.54	2.00	26.9	35.0
Alpha Methyl Styrene	Lin2		0.7824		2.08	2.00	3.8	35.0
Decane	Ave	1.091	1.203		2.21	2.00	10.4	35.0
tert-Butylbenzene	Ave	1.562	1.706		2.18	2.00	9.2	35.0
1,2,4-Trimethylbenzene	Ave	1.489	1.666		2.24	2.00	11.9	35.0
sec-Butylbenzene	Ave	2.175	2.411		2.22	2.00	10.9	35.0
1,3-Dichlorobenzene	Ave	1.028	1.082		2.11	2.00	5.3	35.0
Benzyl chloride	Ave	1.111	1.279		2.30	2.00	15.1	35.0
1,4-Dichlorobenzene	Ave	1.011	1.057		2.09	2.00	4.5	35.0
4-Isopropyltoluene	Ave	1.777	1.978		2.23	2.00	11.3	35.0
1,2,3-Trimethylbenzene	Ave	1.520	1.278		1.68	2.00	-15.9	35.0
Butylcyclohexane	Ave	1.231	1.309		2.13	2.00	6.3	35.0
1,2-Dichlorobenzene	Ave	1.022	1.045		2.05	2.00	2.3	35.0
Indane	Ave	1.370	1.560		2.28	2.00	13.8	35.0
Butylbenzene	Ave	1.845	2.042		2.21	2.00	10.6	35.0
Indene	Ave	1.217	1.213		1.99	2.00	-0.3	35.0
Undecane	Ave	1.245	1.375		2.21	2.00	10.4	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.4525	0.4295		1.90	2.00	-5.1	35.0
1,2,4,5-Tetramethylbenzene	Ave	1.575	1.818		2.31	2.00	15.4	35.0
Dodecane	Ave	1.269	1.391		2.19	2.00	9.7	35.0
1,2,4-Trichlorobenzene	Ave	0.7686	0.8162		2.12	2.00	6.2	35.0
Naphthalene	Ave	1.820	1.942		2.13	2.00	6.7	35.0
Hexachlorobutadiene	Ave	0.7096	0.6763		1.91	2.00	-4.7	35.0
1,2,3-Trichlorobenzene	Ave	0.5968	0.6140		2.06	2.00	2.9	35.0
2-Methylnaphthalene	Ave	0.3318	0.2386		1.44	2.00	-28.1	50.0
1-Methylnaphthalene	Ave	0.4739	0.3392		1.43	2.00	-28.4	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7829	0.7881		4.67	4.64	0.7	35.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20ICV.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 21-Jan-2021 03:29:30 ALS Bottle#: 18 Worklist Smp#: 17
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: blk
Operator ID: afb Instrument ID: MS
Sublist:

Method: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Jan-2021 13:05:50 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1623

First Level Reviewer: barlozhetskayaa Date: 21-Jan-2021 09:52:50

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	9.257	-0.002	97	246095	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.434	11.435	-0.001	95	1173426	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.103	16.104	-0.001	87	1023021	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.749	17.747	0.002	90	779340	4.64	4.67	
6 Chlorodifluoromethane	51	3.805	3.802	0.003	96	267137	2.00	2.04	
7 Propene	41	3.816	3.818	-0.002	99	112286	2.00	1.98	
8 Dichlorodifluoromethane	85	3.875	3.874	0.001	100	402692	2.00	2.08	
9 Chloromethane	52	4.069	4.058	0.011	56	27695	2.00	2.07	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.079	0.001	91	193096	2.00	1.98	
11 Acetaldehyde	44	4.236	4.240	-0.004	99	144656	10.0	8.42	
12 Vinyl chloride	62	4.257	4.257	0.000	99	87584	2.00	1.97	
13 Butadiene	54	4.354	4.352	0.002	70	64303	2.00	1.88	
14 Butane	43	4.354	4.354	0.000	84	117573	2.00	1.93	
15 Bromomethane	94	4.704	4.705	-0.001	99	85151	2.00	1.83	
16 Chloroethane	64	4.860	4.859	0.001	97	39045	2.00	1.96	
17 Ethanol	31	4.946	4.954	-0.008	96	111338	10.0	6.67	
18 Vinyl bromide	106	5.188	5.189	-0.001	98	139322	2.00	2.13	
19 2-Methylbutane	43	5.236	5.238	-0.002	91	169887	2.00	2.02	
20 Trichlorofluoromethane	101	5.479	5.478	0.001	100	383975	2.00	1.96	
21 Acrolein	56	5.489	5.491	-0.002	91	51379	2.00	2.30	
22 Acetonitrile	40	5.554	5.559	-0.005	99	56142	2.00	1.86	
23 Acetone	58	5.613	5.613	0.000	97	74739	2.00	1.96	
24 Isopropyl alcohol	45	5.688	5.701	-0.013	93	201424	2.00	2.25	
25 Pentane	72	5.715	5.711	0.004	98	24266	2.00	2.13	
26 Ethyl ether	31	5.893	5.902	-0.009	97	152376	2.00	2.12	
27 1,1-Dichloroethene	96	6.237	6.234	0.003	96	141180	2.00	2.03	
28 Acrylonitrile	53	6.345	6.348	-0.003	95	113600	2.00	2.05	
29 2-Methyl-2-propanol	59	6.323	6.349	-0.026	94	236430	2.00	2.03	
30 112TCTFE	101	6.420	6.419	0.001	95	316283	2.00	2.02	
31 Methylene Chloride	84	6.608	6.605	0.003	98	142029	2.00	1.92	

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	6.619	6.623	-0.004	96	114430	2.00	1.93	
33 Carbon disulfide	76	6.780	6.780	0.000	99	374892	2.00	1.99	
34 trans-1,2-Dichloroethene	96	7.458	7.454	0.004	98	141847	2.00	2.02	
35 2-Methylpentane	43	7.469	7.469	0.000	95	300353	2.00	1.97	
36 Methyl tert-butyl ether	73	7.577	7.601	-0.024	97	373983	2.00	2.09	
37 1,1-Dichloroethane	63	7.899	7.894	0.005	100	273452	2.00	1.99	
38 Vinyl acetate	43	7.996	7.998	-0.002	100	352812	2.00	2.05	
39 2-Butanone (MEK)	72	8.459	8.473	-0.014	97	65985	2.00	1.94	
40 Hexane	56	8.486	8.486	0.000	88	123145	2.00	2.07	
41 Isopropyl ether	45	8.647	8.660	-0.013	98	516140	2.00	2.22	
42 cis-1,2-Dichloroethene	96	8.911	8.913	-0.002	95	154550	2.00	2.14	
43 Ethyl acetate	43	9.088	9.096	-0.008	99	312359	2.00	1.97	
44 Chloroform	83	9.266	9.264	0.002	96	315382	2.00	1.96	
45 Tert-butyl ethyl ether	59	9.341	9.359	-0.018	96	438414	2.00	2.04	
46 Tetrahydrofuran	42	9.664	9.693	-0.029	93	157587	2.00	2.04	
47 1,1,1-Trichloroethane	97	10.320	10.318	0.002	96	315351	2.00	2.05	
48 1,2-Dichloroethane	62	10.428	10.428	0.000	98	210453	2.00	1.95	
49 n-Butanol	31	10.826	10.836	-0.010	84	41748	2.00	1.87	
50 Cyclohexane	69	10.907	10.905	0.002	67	66773	2.00	2.21	
51 Benzene	78	10.907	10.908	-0.001	97	450237	2.00	2.13	
52 Carbon tetrachloride	117	10.933	10.931	0.002	97	291307	2.00	2.04	
53 2,3-Dimethylpentane	71	11.019	11.016	0.003	91	92774	2.00	2.16	
54 Thiophene	84	11.181	11.178	0.003	96	254098	2.00	2.12	
55 Isooctane	57	11.649	11.646	0.003	99	743973	2.00	2.18	
56 n-Heptane	71	12.009	12.011	-0.002	92	140315	2.00	2.17	
57 1,2-Dichloropropane	63	12.106	12.108	-0.002	90	173605	2.00	2.07	
58 Trichloroethene	130	12.138	12.139	-0.001	97	194075	2.00	2.07	
59 Dibromomethane	93	12.230	12.228	0.002	95	187074	2.00	2.09	
60 Dichlorobromomethane	83	12.370	12.367	0.003	99	317392	2.00	2.18	
61 1,4-Dioxane	88	12.370	12.383	-0.013	87	56147	2.00	1.91	
62 Methyl methacrylate	41	12.440	12.443	-0.003	94	186357	2.00	2.10	
63 Methylcyclohexane	83	12.897	12.898	-0.001	95	317122	2.00	2.49	
64 4-Methyl-2-pentanone (MIBK)	43	13.274	13.288	-0.014	97	336765	2.00	2.12	
65 cis-1,3-Dichloropropene	75	13.349	13.349	0.000	95	248277	2.00	2.24	
66 trans-1,3-Dichloropropene	75	14.032	14.031	0.001	99	219130	2.00	2.26	
67 Toluene	91	14.156	14.156	0.000	94	538935	2.00	2.11	
68 1,1,2-Trichloroethane	83	14.231	14.232	-0.001	97	164226	2.00	2.08	
69 2-Hexanone	58	14.592	14.597	-0.005	95	176941	2.00	2.24	
70 n-Octane	85	14.817	14.817	0.000	93	166983	2.00	2.31	
71 Chlorodibromomethane	129	14.930	14.929	0.001	98	312791	2.00	2.25	
72 Ethylene Dibromide	107	15.221	15.218	0.003	99	300367	2.00	2.14	
73 Tetrachloroethene	129	15.285	15.286	-0.001	96	192290	2.00	2.08	
74 2,3-Dimethylheptane	43	16.146	16.148	-0.002	95	450196	2.00	1.96	
75 Chlorobenzene	112	16.152	16.151	0.001	94	433363	2.00	2.12	
76 Ethylbenzene	91	16.431	16.430	0.001	98	707411	2.00	2.22	
77 m-Xylene & p-Xylene	91	16.587	16.589	-0.002	98	1133815	4.00	4.70	
78 n-Nonane	57	16.991	16.991	0.000	92	370674	2.00	2.29	
79 Bromoform	173	17.055	17.054	0.001	94	282349	2.00	2.30	
80 Styrene	104	17.061	17.060	0.001	99	424824	2.00	2.46	
81 o-Xylene	91	17.120	17.121	-0.001	99	593524	2.00	2.18	
82 1,1,2,2-Tetrachloroethane	83	17.448	17.447	0.001	99	445469	2.00	2.12	
83 1,2,3-Trichloropropane	110	17.609	17.612	-0.003	98	119448	2.00	2.11	

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	17.712	17.713	-0.001	95	818417	2.00	2.24	
85 N-Propylbenzene	120	18.244	18.243	0.001	99	224154	2.00	2.27	
86 2-Chlorotoluene	126	18.293	18.293	0.000	97	209742	2.00	2.24	
87 4-Ethyltoluene	105	18.390	18.391	-0.001	99	796624	2.00	2.08	
88 1,3,5-Trimethylbenzene	120	18.459	18.461	-0.002	93	381660	2.00	2.54	
89 Alpha Methyl Styrene	118	18.691	18.692	-0.001	89	333522	2.00	2.08	
90 n-Decane	57	18.734	18.733	0.001	89	512988	2.00	2.21	
91 tert-Butylbenzene	119	18.884	18.884	0.000	92	727090	2.00	2.18	
92 1,2,4-Trimethylbenzene	105	18.895	18.896	-0.001	96	710182	2.00	2.24	
93 sec-Butylbenzene	105	19.148	19.148	0.000	99	1027722	2.00	2.22	
94 1,3-Dichlorobenzene	146	19.170	19.168	0.002	99	461293	2.00	2.11	
95 Benzyl chloride	91	19.239	19.242	-0.003	98	545080	2.00	2.30	
96 1,4-Dichlorobenzene	146	19.256	19.255	0.001	94	450379	2.00	2.09	
97 4-Isopropyltoluene	119	19.304	19.306	-0.002	97	843193	2.00	2.23	
98 1,2,3-Trimethylbenzene	105	19.363	19.363	0.000	98	544904	2.00	1.68	
99 Butylcyclohexane	83	19.412	19.412	0.000	94	558092	2.00	2.13	
100 2,3-Dihydroindene	117	19.611	19.611	0.000	94	664815	2.00	2.28	
101 1,2-Dichlorobenzene	146	19.611	19.612	-0.001	80	445567	2.00	2.05	
102 n-Butylbenzene	91	19.734	19.734	0.000	98	870294	2.00	2.21	
103 Indene	116	19.740	19.740	0.000	91	517128	2.00	1.99	
104 Undecane	57	20.025	20.028	-0.003	96	586126	2.00	2.21	
105 1,2-Dibromo-3-Chloropropane	157	20.208	20.207	0.001	96	183087	2.00	1.90	
106 1,2,4,5-Tetramethylbenzene	119	20.488	20.489	-0.001	97	775034	2.00	2.31	
107 Dodecane	57	21.106	21.107	-0.001	97	593113	2.00	2.19	
108 1,2,4-Trichlorobenzene	180	21.343	21.343	0.000	94	347919	2.00	2.12	
109 Naphthalene	128	21.488	21.489	-0.001	99	827869	2.00	2.13	
110 Hexachlorobutadiene	225	21.676	21.676	0.000	95	288281	2.00	1.91	
111 1,2,3-Trichlorobenzene	180	21.741	21.740	0.001	95	261708	2.00	2.06	
112 2-Methylnaphthalene	142	22.290	22.289	0.001	99	101695	2.00	1.44	
113 1-Methylnaphthalene	142	22.413	22.413	0.000	99	144595	2.00	1.43	
A 115 C8 Range	1	14.820	(14.764-14.861)		0	1509716	2.00	2.14	
S 116 Xylenes, Total	100				0		6.00	6.87	
S 117 1,2-Dichloroethene, Total	1				0		4.00	4.16	
T 141 2-Methylthiophene TIC	97	14.312	14.307	0.004	97	440363	2.00	2.07	
T 142 3-Methylthiophene TIC	97	14.505	14.504	0.000	91	436545	2.00	2.05	
T 144 2-Ethylthiophene TIC	97	16.534	16.529	0.004	72	534497	2.00	2.51	
T 149 1,2-Dimethyl-4-Ethylbenzene TIC	119	20.100	20.101	-0.001	98	649792	2.00	3.05	
T 150 1,2,3,5-Tetramethylbenzene TIC	119	20.547	20.545	0.001	95	468840	2.00	2.20	
T 151 1,2,3,4-Tetramethylbenzene TIC	119	20.961	20.961	-0.001	96	620960	2.00	2.91	
T 152 Benzo(b)thiophene TIC	134	21.590	21.586	0.004	99	405572	2.00	1.90	

QC Flag Legend

Processing Flags

Reagents:

40CV101S_00134	Amount Added: 100.00	Units: ml	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

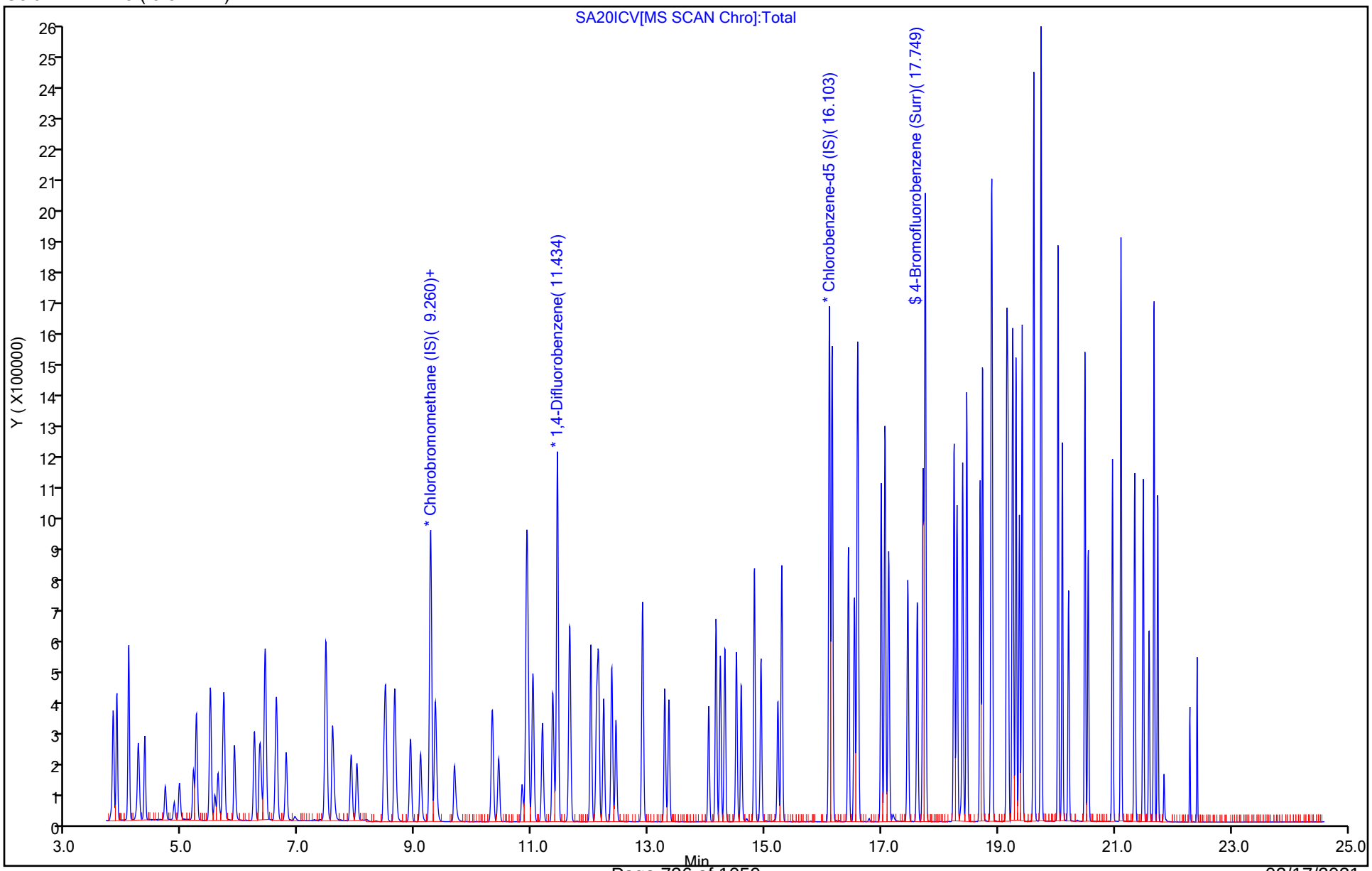
Report Date: 21-Jan-2021 14:07:10 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20ICV.D

Injection Date:	21-Jan-2021 03:29:30	Instrument ID:	MS	Operator ID:	afb
Lims ID:	ICV			Worklist Smp#:	17
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
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.: 140-21885-1

SDG No.:

Lab Sample ID: CCVIS 140-46753/2 Calibration Date: 02/09/2021 10:43

Instrument ID: MS Calib Start Date: 01/20/2021 15:02

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 01/21/2021 08:11

Lab File ID: SCCVB09A.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	2.557	2.825		2.21	2.00	10.5	30.0
Propene	Ave	1.108	1.235		2.23	2.00	11.4	30.0
Dichlorodifluoromethane	Ave	3.784	4.445		2.35	2.00	17.5	30.0
Chloromethane	Ave	0.2616	0.2842		2.17	2.00	8.7	30.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	Ave	1.900	2.142		2.26	2.00	12.8	30.0
Acetaldehyde	Ave	0.3353	0.3079		9.18	10.0	-8.2	30.0
Vinyl chloride	Ave	0.8663	0.8831		2.04	2.00	1.9	30.0
1,3-Butadiene	Ave	0.6688	0.6348		1.90	2.00	-5.1	30.0
Butane	Ave	1.188	1.130		1.90	2.00	-4.9	30.0
Bromomethane	Ave	0.9093	0.8631		1.90	2.00	-5.1	30.0
Chloroethane	Ave	0.3880	0.3801		1.96	2.00	-2.1	30.0
Ethanol	Ave	0.3253	0.2811		8.64	10.0	-13.6	30.0
Vinyl bromide	Ave	1.278	1.470		2.30	2.00	15.0	30.0
2-Methylbutane	Ave	1.637	1.772		2.17	2.00	8.3	30.0
Trichlorofluoromethane	Ave	3.814	4.178		2.19	2.00	9.6	30.0
Acrolein	Ave	0.4353	0.5320		2.44	2.00	22.2	30.0
Acetonitrile	Ave	0.5900	0.6534		2.21	2.00	10.7	30.0
Acetone	Ave	0.7451	0.7394		5.95	6.00	-0.8	30.0
Isopropyl alcohol	Ave	1.745	1.960		6.74	6.00	12.3	30.0
Pentane	Ave	0.2221	0.2569		2.31	2.00	15.7	30.0
Ethyl ether	Ave	1.403	1.597		2.28	2.00	13.9	30.0
1,1-Dichloroethene	Ave	1.358	1.529		2.25	2.00	12.7	30.0
tert-Butyl alcohol	Ave	2.276	2.647		2.33	2.00	16.3	30.0
Acrylonitrile	Ave	1.078	1.197		2.22	2.00	11.0	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	3.056	3.484		2.28	2.00	14.0	30.0
Methylene Chloride	Ave	1.443	1.442		2.00	2.00	-0.0	30.0
3-Chloropropene	Ave	1.155	1.309		2.27	2.00	13.3	30.0
Carbon disulfide	Ave	3.671	4.364		2.38	2.00	18.9	30.0
trans-1,2-Dichloroethene	Ave	1.372	1.563		2.28	2.00	13.9	30.0
2-Methylpentane	Ave	2.971	3.461		2.33	2.00	16.5	30.0
Methyl tert-butyl ether	Ave	3.494	4.074		2.33	2.00	16.6	30.0
1,1-Dichloroethane	Ave	2.681	2.971		2.22	2.00	10.8	30.0
Vinyl acetate	Ave	3.352	3.481		2.08	2.00	3.9	30.0
2-Butanone (MEK)	Ave	0.6648	0.7153		2.15	2.00	7.6	30.0
Hexane	Ave	1.160	1.313		2.26	2.00	13.2	30.0
Isopropyl ether	Ave	4.536	5.383		2.37	2.00	18.7	30.0
cis-1,2-Dichloroethene	Ave	1.408	1.633		2.32	2.00	16.0	30.0
Ethyl acetate	Ave	3.086	3.485		2.26	2.00	12.9	30.0
Chloroform	Ave	3.144	3.385		2.15	2.00	7.7	30.0
Tert-butyl ethyl ether	Ave	4.183	5.065		2.42	2.00	21.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Lab Sample ID: CCVIS 140-46753/2 Calibration Date: 02/09/2021 10:43

Instrument ID: MS Calib Start Date: 01/20/2021 15:02

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 01/21/2021 08:11

Lab File ID: SCCVB09A.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	1.507	1.732		2.30	2.00	15.0	30.0
1,1,1-Trichloroethane	Ave	2.995	3.408		2.28	2.00	13.8	30.0
1,2-Dichloroethane	Ave	0.4404	0.4656		2.11	2.00	5.7	30.0
1-Butanol	Ave	0.0913	0.1010		2.21	2.00	10.7	30.0
Benzene	Ave	0.8665	0.9743		2.25	2.00	12.4	30.0
Cyclohexane	Ave	0.1238	0.1452		2.35	2.00	17.3	30.0
Carbon tetrachloride	Ave	0.5837	0.7321		2.51	2.00	25.4	30.0
2,3-Dimethylpentane	Ave	0.1759	0.2179		2.48	2.00	23.9	30.0
Thiophene	Ave	0.4901	0.5874		2.40	2.00	19.8	30.0
2,2,4-Trimethylpentane	Ave	1.396	1.627		2.33	2.00	16.6	30.0
Heptane	Ave	0.2642	0.3238		2.45	2.00	22.6	30.0
1,2-Dichloropropane	Ave	0.3433	0.3871		2.26	2.00	12.8	30.0
Trichloroethene	Ave	0.3839	0.4397		2.29	2.00	14.5	30.0
Dibromomethane	Ave	0.3659	0.4192		2.29	2.00	14.6	30.0
1,4-Dioxane	Ave	0.1204	0.1434		2.38	2.00	19.1	30.0
Bromodichloromethane	Ave	0.5967	0.7245		2.43	2.00	21.4	30.0
Methyl methacrylate	Ave	0.3626	0.4112		2.27	2.00	13.4	30.0
Methylcyclohexane	QuaF		0.5893		2.26	2.00	12.9	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6501	0.7556		2.32	2.00	16.2	30.0
cis-1,3-Dichloropropene	Ave	0.4544	0.5608		2.47	2.00	23.4	30.0
trans-1,3-Dichloropropene	Ave	0.4540	0.5810		2.56	2.00	28.0	30.0
Toluene	Ave	1.196	1.386		2.32	2.00	15.8	30.0
1,1,2-Trichloroethane	Ave	0.3713	0.4291		2.31	2.00	15.6	30.0
2-Hexanone	Ave	0.3709	0.4568		2.46	2.00	23.2	30.0
Octane	Ave	0.3394	0.4141		2.44	2.00	22.0	30.0
Dibromochloromethane	Ave	0.6535	0.8501		2.60	2.00	30.1*	30.0
1,2-Dibromoethane (EDB)	Ave	0.6578	0.7767		2.36	2.00	18.1	30.0
Tetrachloroethene	Ave	0.4332	0.5002		2.31	2.00	15.5	30.0
2,3-Dimethylheptane	Ave	1.075	1.257		2.34	2.00	16.9	30.0
Chlorobenzene	Ave	0.9597	1.103		2.30	2.00	15.0	30.0
Ethylbenzene	Ave	1.498	1.811		2.42	2.00	20.9	30.0
m-Xylene & p-Xylene	Ave	1.132	1.409		4.98	4.00	24.5	30.0
Nonane	Ave	0.7602	0.9208		2.42	2.00	21.1	30.0
Bromoform	Ave	0.5762	0.7847		2.72	2.00	36.2*	30.0
Styrene	Ave	0.8109	1.063		2.62	2.00	31.1*	30.0
o-Xylene	Ave	1.280	1.511		2.36	2.00	18.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9861	1.149		2.33	2.00	16.5	30.0
1,2,3-Trichloropropane	Ave	0.2656	0.3017		2.27	2.00	13.6	30.0
Isopropylbenzene	Ave	1.710	2.031		2.38	2.00	18.8	30.0
Propylbenzene	Ave	0.4633	0.5517		2.38	2.00	19.1	30.0
2-Chlorotoluene	Ave	0.4393	0.5221		2.38	2.00	18.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Lab Sample ID: CCVIS 140-46753/2 Calibration Date: 02/09/2021 10:43

Instrument ID: MS Calib Start Date: 01/20/2021 15:02

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 01/21/2021 08:11

Lab File ID: SCCVB09A.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	1.794	2.101		2.34	2.00	17.1	30.0
1,3,5-Trimethylbenzene	Ave	0.7058	0.8450		2.39	2.00	19.7	30.0
Alpha Methyl Styrene	Lin2		0.8171		2.16	2.00	8.2	30.0
Decane	Ave	1.091	1.250		2.29	2.00	14.6	30.0
tert-Butylbenzene	Ave	1.562	1.816		2.33	2.00	16.3	30.0
1,2,4-Trimethylbenzene	Ave	1.489	1.773		2.38	2.00	19.1	30.0
sec-Butylbenzene	Ave	2.175	2.599		2.39	2.00	19.5	30.0
1,3-Dichlorobenzene	Ave	1.028	1.152		2.24	2.00	12.1	30.0
Benzyl chloride	Ave	1.111	1.424		2.56	2.00	28.2	30.0
1,4-Dichlorobenzene	Ave	1.011	1.140		2.25	2.00	12.7	30.0
4-Isopropyltoluene	Ave	1.777	2.153		2.42	2.00	21.2	30.0
1,2,3-Trimethylbenzene	Ave	1.520	1.830		2.41	2.00	20.4	30.0
Butylcyclohexane	Ave	1.231	1.468		2.38	2.00	19.2	30.0
1,2-Dichlorobenzene	Ave	1.022	1.138		2.23	2.00	11.4	30.0
Indane	Ave	1.370	1.694		2.47	2.00	23.6	30.0
Butylbenzene	Ave	1.845	2.173		2.36	2.00	17.8	30.0
Indene	Ave	1.217	1.465		2.41	2.00	20.3	30.0
Undecane	Ave	1.245	1.448		2.33	2.00	16.3	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.4525	0.5561		2.46	2.00	22.9	30.0
1,2,4,5-Tetramethylbenzene	Ave	1.575	2.039		2.59	2.00	29.4	30.0
Dodecane	Ave	1.269	1.503		2.37	2.00	18.5	30.0
1,2,4-Trichlorobenzene	Ave	0.7686	0.8382		2.18	2.00	9.1	30.0
Naphthalene	Ave	1.820	2.142		2.35	2.00	17.7	30.0
Hexachlorobutadiene	Ave	0.7096	0.7607		2.14	2.00	7.2	30.0
1,2,3-Trichlorobenzene	Ave	0.5968	0.6134		2.06	2.00	2.8	30.0
2-Methylnaphthalene	Ave	0.3318	0.3657		2.20	2.00	10.2	50.0
1-Methylnaphthalene	Ave	0.4739	0.4848		2.05	2.00	2.3	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7829	0.7911		4.69	4.64	1.0	30.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SCCVB09A.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 09-Feb-2021 10:43:30 ALS Bottle#: 15 Worklist Smp#: 2
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018147-002
Misc. Info.: P132 100ML
Operator ID: HMT Instrument ID: MS
Sublist: chrom-MS_TO15A*sub1

Method: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 10-Feb-2021 10:52:54 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1610

First Level Reviewer: khachitpongpanits Date: 10-Feb-2021 10:52:54

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	9.255	9.255	0.000	95	299327	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.434	11.434	0.000	94	1431279	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.098	16.098	0.000	87	1228286	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.744	17.744	0.000	90	939302	4.64	4.69	
6 Chlorodifluoromethane	51	3.805	3.805	0.000	96	352394	2.00	2.21	
7 Propene	41	3.822	3.822	0.000	99	154031	2.00	2.23	
8 Dichlorodifluoromethane	85	3.875	3.875	0.000	100	554384	2.00	2.35	
9 Chloromethane	52	4.074	4.074	0.000	98	35451	2.00	2.17	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.080	0.000	92	267172	2.00	2.26	
11 Acetaldehyde	44	4.241	4.241	0.000	99	192028	10.0	9.18	
12 Vinyl chloride	62	4.263	4.263	0.000	99	110141	2.00	2.04	
13 Butadiene	54	4.354	4.354	0.000	72	79173	2.00	1.90	
14 Butane	43	4.354	4.354	0.000	83	140913	2.00	1.90	
15 Bromomethane	94	4.709	4.709	0.000	98	107649	2.00	1.90	
16 Chloroethane	64	4.860	4.860	0.000	99	47402	2.00	1.96	
17 Ethanol	31	4.951	4.951	0.000	96	175314	10.0	8.64	
18 Vinyl bromide	106	5.188	5.188	0.000	98	183306	2.00	2.30	
19 2-Methylbutane	43	5.242	5.242	0.000	90	221008	2.00	2.17	
20 Trichlorofluoromethane	101	5.478	5.478	0.000	100	521129	2.00	2.19	
21 Acrolein	56	5.484	5.484	0.000	90	66345	2.00	2.44	
22 Acetonitrile	40	5.554	5.554	0.000	100	81487	2.00	2.21	
23 Acetone	58	5.602	5.602	0.000	97	276648	6.00	5.95	
24 Isopropyl alcohol	45	5.683	5.683	0.000	92	733195	6.00	6.74	
25 Pentane	72	5.715	5.715	0.000	97	32042	2.00	2.31	
26 Ethyl ether	31	5.882	5.882	0.000	96	199229	2.00	2.28	
27 1,1-Dichloroethene	96	6.232	6.232	0.000	97	190733	2.00	2.25	
29 2-Methyl-2-propanol	59	6.318	6.318	0.000	95	330173	2.00	2.33	
28 Acrylonitrile	53	6.345	6.345	0.000	96	149312	2.00	2.22	
30 112TCTFE	101	6.420	6.420	0.000	95	434566	2.00	2.28	
31 Methylene Chloride	84	6.603	6.603	0.000	98	179800	2.00	2.00	

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	6.619	6.619	0.000	96	163203	2.00	2.27	
33 Carbon disulfide	76	6.780	6.780	0.000	98	544335	2.00	2.38	
34 trans-1,2-Dichloroethene	96	7.453	7.453	0.000	98	194897	2.00	2.28	
35 2-Methylpentane	43	7.469	7.469	0.000	95	431701	2.00	2.33	
36 Methyl tert-butyl ether	73	7.566	7.566	0.000	97	508126	2.00	2.33	
37 1,1-Dichloroethane	63	7.894	7.894	0.000	100	370570	2.00	2.22	
38 Vinyl acetate	43	7.985	7.985	0.000	100	434162	2.00	2.08	
39 2-Butanone (MEK)	72	8.448	8.448	0.000	98	89213	2.00	2.15	
40 Hexane	56	8.486	8.486	0.000	92	163759	2.00	2.26	
41 Isopropyl ether	45	8.636	8.636	0.000	98	671367	2.00	2.37	
42 cis-1,2-Dichloroethene	96	8.911	8.911	0.000	95	203718	2.00	2.32	
43 Ethyl acetate	43	9.077	9.077	0.000	99	434683	2.00	2.26	
44 Chloroform	83	9.266	9.266	0.000	96	422236	2.00	2.15	
45 Tert-butyl ethyl ether	59	9.330	9.330	0.000	95	631725	2.00	2.42	
46 Tetrahydrofuran	42	9.648	9.648	0.000	94	216047	2.00	2.30	
47 1,1,1-Trichloroethane	97	10.315	10.315	0.000	96	425072	2.00	2.28	
48 1,2-Dichloroethane	62	10.422	10.422	0.000	97	277677	2.00	2.11	
49 n-Butanol	31	10.815	10.815	0.000	84	60240	2.00	2.21	
50 Cyclohexane	69	10.906	10.906	0.000	67	86594	2.00	2.35	
51 Benzene	78	10.906	10.906	0.000	97	581046	2.00	2.25	
52 Carbon tetrachloride	117	10.928	10.928	0.000	97	436588	2.00	2.51	
53 2,3-Dimethylpentane	71	11.009	11.009	0.000	91	129924	2.00	2.48	
54 Thiophene	84	11.175	11.175	0.000	96	350314	2.00	2.40	
55 Isooctane	57	11.643	11.643	0.000	99	970562	2.00	2.33	
56 n-Heptane	71	12.009	12.009	0.000	91	193087	2.00	2.45	
57 1,2-Dichloropropane	63	12.106	12.106	0.000	90	230881	2.00	2.26	
58 Trichloroethene	130	12.138	12.138	0.000	97	262217	2.00	2.29	
59 Dibromomethane	93	12.224	12.224	0.000	95	250017	2.00	2.29	
61 1,4-Dioxane	88	12.359	12.359	0.000	90	85501	2.00	2.38	
60 Dichlorobromomethane	83	12.364	12.364	0.000	99	432044	2.00	2.43	
62 Methyl methacrylate	41	12.434	12.434	0.000	94	245245	2.00	2.27	
63 Methylcyclohexane	83	12.892	12.892	0.000	96	351450	2.00	2.26	
64 4-Methyl-2-pentanone (MIBK)	43	13.268	13.268	0.000	97	450611	2.00	2.32	
65 cis-1,3-Dichloropropene	75	13.343	13.343	0.000	94	334414	2.00	2.47	
66 trans-1,3-Dichloropropene	75	14.027	14.027	0.000	99	297361	2.00	2.56	
67 Toluene	91	14.156	14.156	0.000	91	709138	2.00	2.32	
68 1,1,2-Trichloroethane	83	14.231	14.231	0.000	98	219617	2.00	2.31	
69 2-Hexanone	58	14.586	14.586	0.000	94	233777	2.00	2.46	
70 n-Octane	85	14.812	14.812	0.000	93	211930	2.00	2.44	
71 Chlorodibromomethane	129	14.925	14.925	0.000	98	435086	2.00	2.60	
72 Ethylene Dibromide	107	15.216	15.216	0.000	98	397505	2.00	2.36	
73 Tetrachloroethene	129	15.280	15.280	0.000	96	255971	2.00	2.31	
74 2,3-Dimethylheptane	43	16.146	16.146	0.000	95	643407	2.00	2.34	
75 Chlorobenzene	112	16.146	16.146	0.000	89	564683	2.00	2.30	
76 Ethylbenzene	91	16.426	16.426	0.000	98	927042	2.00	2.42	
77 m-Xylene & p-Xylene	91	16.582	16.582	0.000	98	1442679	4.00	4.98	
78 n-Nonane	57	16.985	16.985	0.000	91	471250	2.00	2.42	
79 Bromoform	173	17.050	17.050	0.000	93	401607	2.00	2.72	
80 Styrene	104	17.055	17.055	0.000	98	544055	2.00	2.62	
81 o-Xylene	91	17.115	17.115	0.000	99	773264	2.00	2.36	
82 1,1,2,2-Tetrachloroethane	83	17.443	17.443	0.000	99	587880	2.00	2.33	
83 1,2,3-Trichloropropane	110	17.609	17.609	0.000	98	154389	2.00	2.27	

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	17.706	0.000	95	1039642	2.00	2.38	
85 N-Propylbenzene	120	18.239	18.239	0.000	99	282341	2.00	2.38	
86 2-Chlorotoluene	126	18.287	18.287	0.000	97	267201	2.00	2.38	
87 4-Ethyltoluene	105	18.384	18.384	0.000	99	1075349	2.00	2.34	
88 1,3,5-Trimethylbenzene	120	18.454	18.454	0.000	93	432462	2.00	2.39	
89 Alpha Methyl Styrene	118	18.685	18.685	0.000	89	418202	2.00	2.16	
90 n-Decane	57	18.728	18.728	0.000	90	639881	2.00	2.29	
91 tert-Butylbenzene	119	18.879	18.879	0.000	91	929513	2.00	2.33	
92 1,2,4-Trimethylbenzene	105	18.890	18.890	0.000	96	907608	2.00	2.38	
93 sec-Butylbenzene	105	19.143	19.143	0.000	99	1330033	2.00	2.39	
94 1,3-Dichlorobenzene	146	19.164	19.164	0.000	99	589433	2.00	2.24	
95 Benzyl chloride	91	19.234	19.234	0.000	98	728668	2.00	2.56	
96 1,4-Dichlorobenzene	146	19.250	19.250	0.000	95	583524	2.00	2.25	
97 4-Isopropyltoluene	119	19.299	19.299	0.000	97	1101942	2.00	2.42	
98 1,2,3-Trimethylbenzene	105	19.358	19.358	0.000	99	936331	2.00	2.41	
99 Butylcyclohexane	83	19.406	19.406	0.000	95	751166	2.00	2.38	
100 2,3-Dihydroindene	117	19.605	19.605	0.000	95	866715	2.00	2.47	
101 1,2-Dichlorobenzene	146	19.605	19.605	0.000	97	582474	2.00	2.23	
102 n-Butylbenzene	91	19.729	19.729	0.000	98	1112195	2.00	2.36	
103 Indene	116	19.734	19.734	0.000	91	749555	2.00	2.41	
104 Undecane	57	20.019	20.019	0.000	95	741185	2.00	2.33	
105 1,2-Dibromo-3-Chloropropane	157	20.202	20.202	0.000	98	284599	2.00	2.46	
106 1,2,4,5-Tetramethylbenzene	119	20.482	20.482	0.000	97	1043700	2.00	2.59	
107 Dodecane	57	21.101	21.101	0.000	97	769265	2.00	2.37	
108 1,2,4-Trichlorobenzene	180	21.332	21.332	0.000	94	428965	2.00	2.18	
109 Naphthalene	128	21.483	21.483	0.000	99	1096022	2.00	2.35	
110 Hexachlorobutadiene	225	21.666	21.666	0.000	95	389331	2.00	2.14	
111 1,2,3-Trichlorobenzene	180	21.730	21.730	0.000	95	313940	2.00	2.06	
112 2-Methylnaphthalene	142	22.284	22.284	0.000	99	187177	2.00	2.20	
113 1-Methylnaphthalene	142	22.408	22.408	0.000	100	248110	2.00	2.05	
A 115 C8 Range	1	14.812	(14.764-14.860)		0	1936677	2.00	2.25	
S 116 Xylenes, Total	100				0		6.00	7.34	
S 117 1,2-Dichloroethene, Total	1				0		4.00	4.60	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent
40CV101P_00132	Amount Added: 100.00	Units: ml	

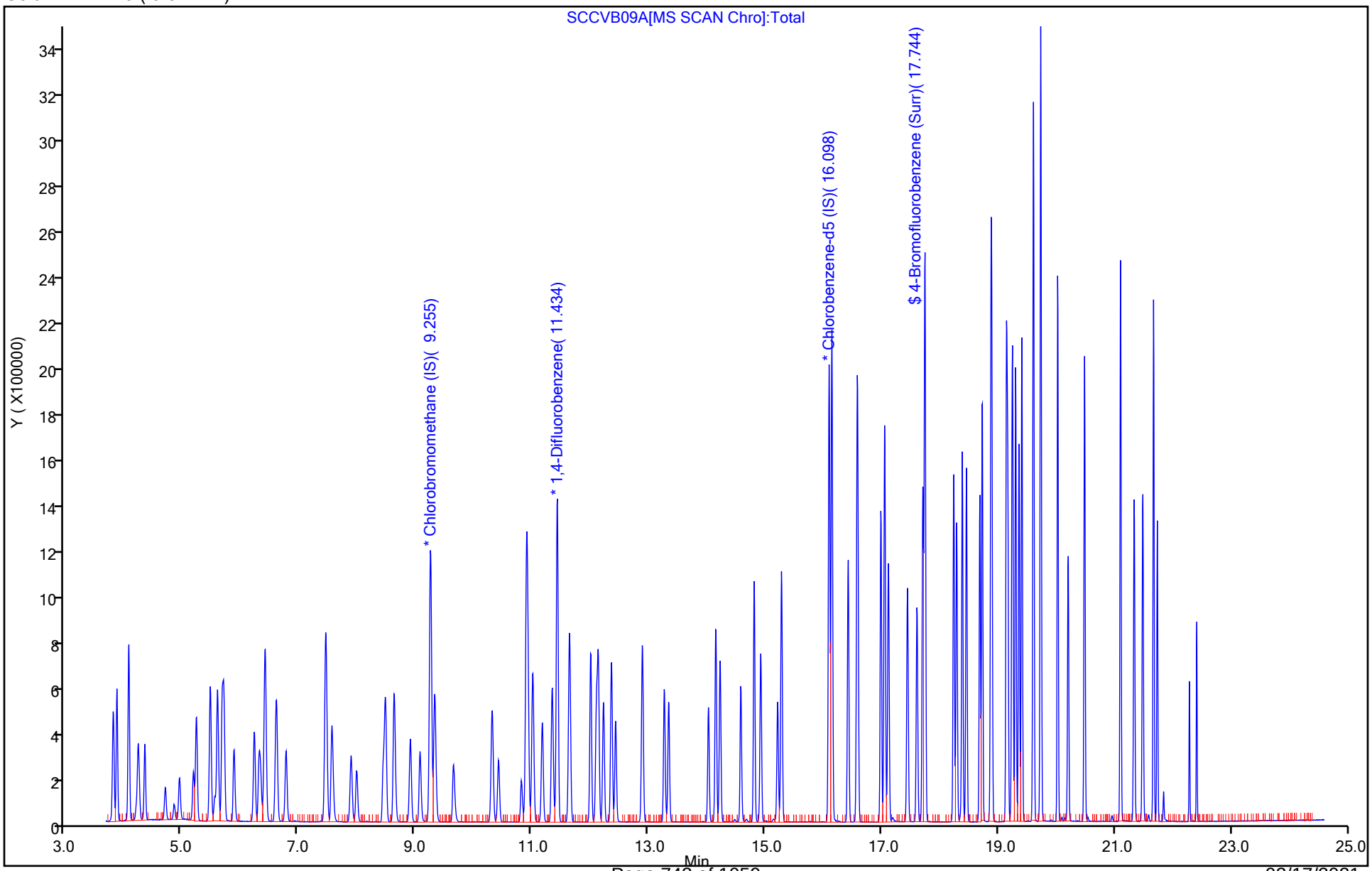
Report Date: 10-Feb-2021 10:52:55 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SCCVB09A.D

Injection Date:	09-Feb-2021 10:43:30	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#:	15
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\MH\20210208-18155.b\HXB08BLK1.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 08-Feb-2021 19:32:30 ALS Bottle#: 16 Worklist Smp#: 1
Injection Vol: 500.0 mL Dil. Factor: 1.0000
Sample Info: 140-0018128-007
Misc. Info.: BFB
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 09-Feb-2021 11:38:51 Calib Date: 09-Feb-2021 06:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: tajh Date: 09-Feb-2021 09:12:49

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	18.031	18.031	0.000	0	1130597	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

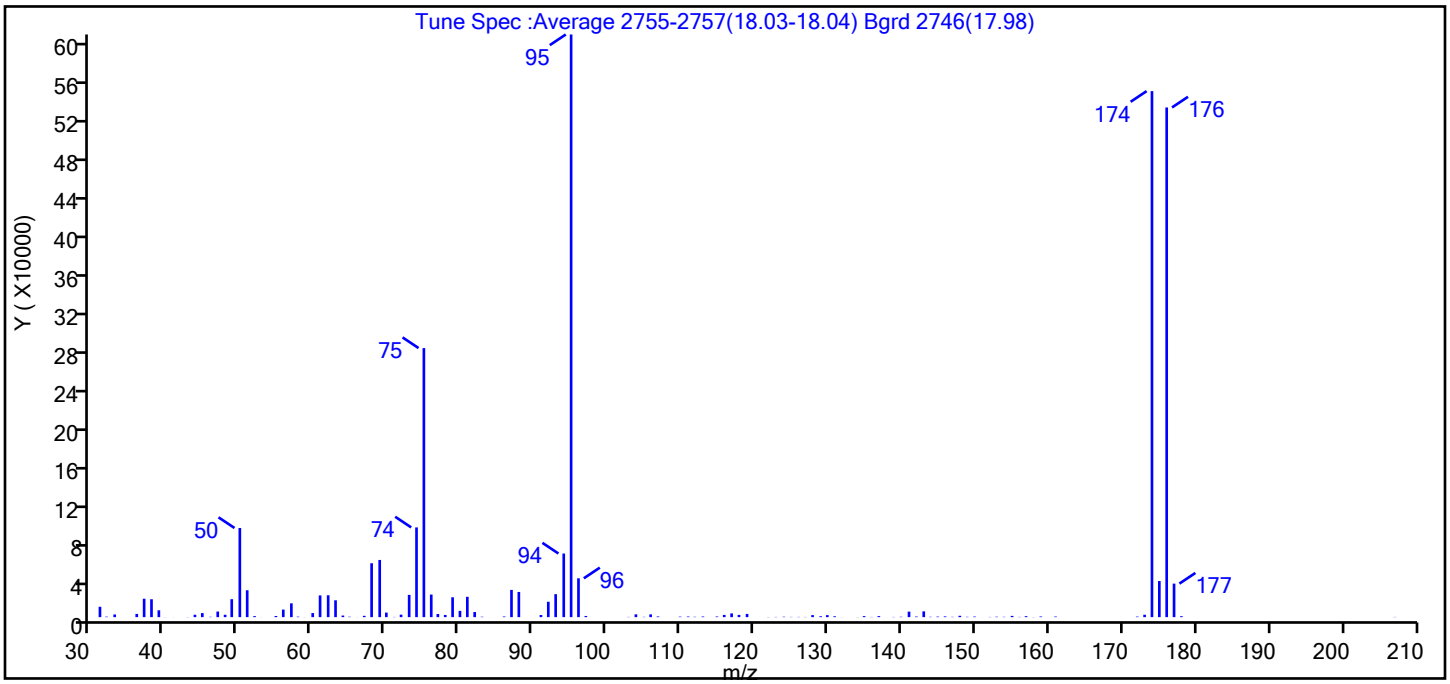
40MXBFB_00001 Amount Added: 40.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08BLK1.D
Injection Date: 08-Feb-2021 19:32:30 Instrument ID: MH
Lims ID: BFB
Client ID:
Operator ID: HMT ALS Bottle#: 16 Worklist Smp#: 1
Injection Vol: 500.0 mL Dil. Factor: 1.0000
Method: MH_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	15.3
75	30 to 60% of m/z 95	46.2
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	90.3
175	5 to 9% of m/z 174	6.2 (6.9)
176	Greater than 95% but less than 101% of m/z 174	87.5 (96.9)
177	5 to 9% of m/z 176	5.8 (6.6)

Data File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08BLK1.D\MH_TO15.rslt\spectra.d
Injection Date: 08-Feb-2021 19:32:30
Spectrum: Tune Spec :Average 2755-2757(18.03-18.04) Bgrd 2746(17.98)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 122

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	10684	65.00	404	104.00	2876	141.00	5676
32.00	505	66.00	71	105.00	291	142.00	625
33.00	2750	67.00	1349	106.00	2856	143.00	5952
34.00	27	68.00	55544	107.00	693	144.00	347
36.00	3328	69.00	58936	110.00	512	145.00	553
37.00	18976	70.00	4678	111.00	631	146.00	758
38.00	18440	71.00	213	112.00	361	147.00	300
39.00	7065	72.00	2563	113.00	650	148.00	1404
40.00	84	73.00	22936	115.00	655	149.00	352
41.00	44	74.00	92464	116.00	2286	150.00	580
43.00	149	75.00	277248	117.00	3846	151.00	25
44.00	2462	76.00	23272	118.00	2318	152.00	210
45.00	4178	77.00	3216	119.00	3329	153.00	441
46.00	345	78.00	2262	122.00	158	154.00	316
47.00	5757	79.00	20472	123.00	228	155.00	1281
48.00	2445	80.00	6462	124.00	423	156.00	238
49.00	18504	81.00	20944	125.00	231	157.00	989
50.00	91864	82.00	5257	126.00	243	158.00	123
51.00	27712	83.00	429	127.00	181	159.00	669
52.00	1036	84.00	27	128.00	2083	160.00	25
53.00	59	86.00	667	129.00	897	161.00	609
55.00	1187	87.00	28056	130.00	2073	172.00	565
56.00	7795	88.00	25952	131.00	867	173.00	2460
57.00	14218	91.00	2211	132.00	71	174.00	542016
58.00	514	92.00	15848	134.00	134	175.00	37200
59.00	81	93.00	23664	135.00	1046	176.00	525184
60.00	4211	94.00	65560	136.00	198	177.00	34544
61.00	22384	95.00	600384	137.00	1059	178.00	951
62.00	22544	96.00	40008	138.00	29	207.00	208
63.00	17360	97.00	1213	139.00	211		
64.00	1640	103.00	230	140.00	376		

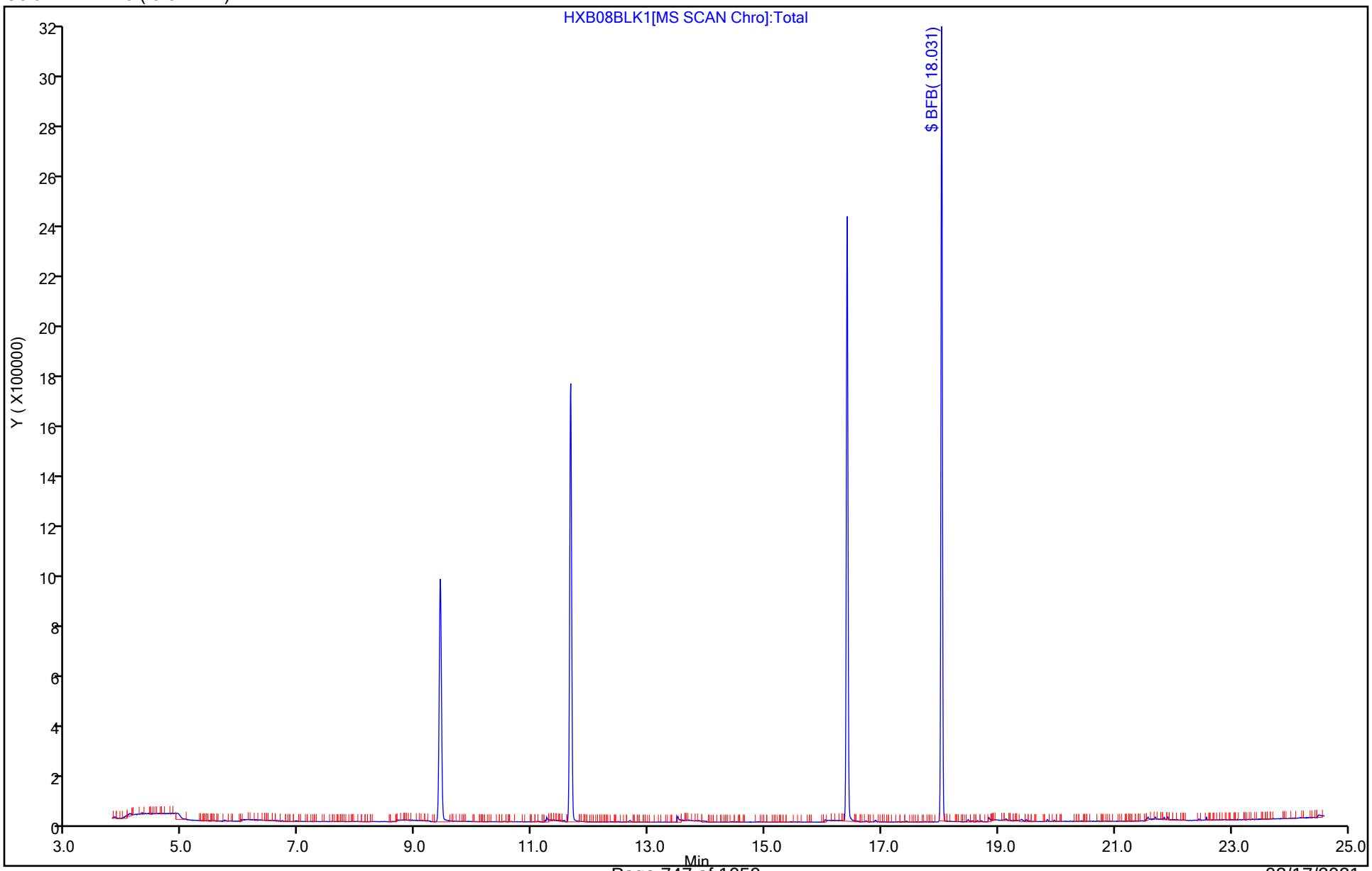
Report Date: 09-Feb-2021 11:38:52 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08BLK1.D

Injection Date:	08-Feb-2021 19:32:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	500.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MH_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\MH\20210210-18175.b\HBFBB11.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 11-Feb-2021 08:31:30 ALS Bottle#: 19 Worklist Smp#: 1
Injection Vol: 500.0 mL Dil. Factor: 1.0000
Sample Info: 140-0018175-001
Misc. Info.: BFB
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20210210-18175.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Feb-2021 11:01:22 Calib Date: 09-Feb-2021 06:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1655

First Level Reviewer: khachitpongpanits Date: 12-Feb-2021 11:01:22

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	4.885	4.885	0.000	0	1121139	NR	NR	8

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
8 - Failed MS Tune Ratio Test

Reagents:

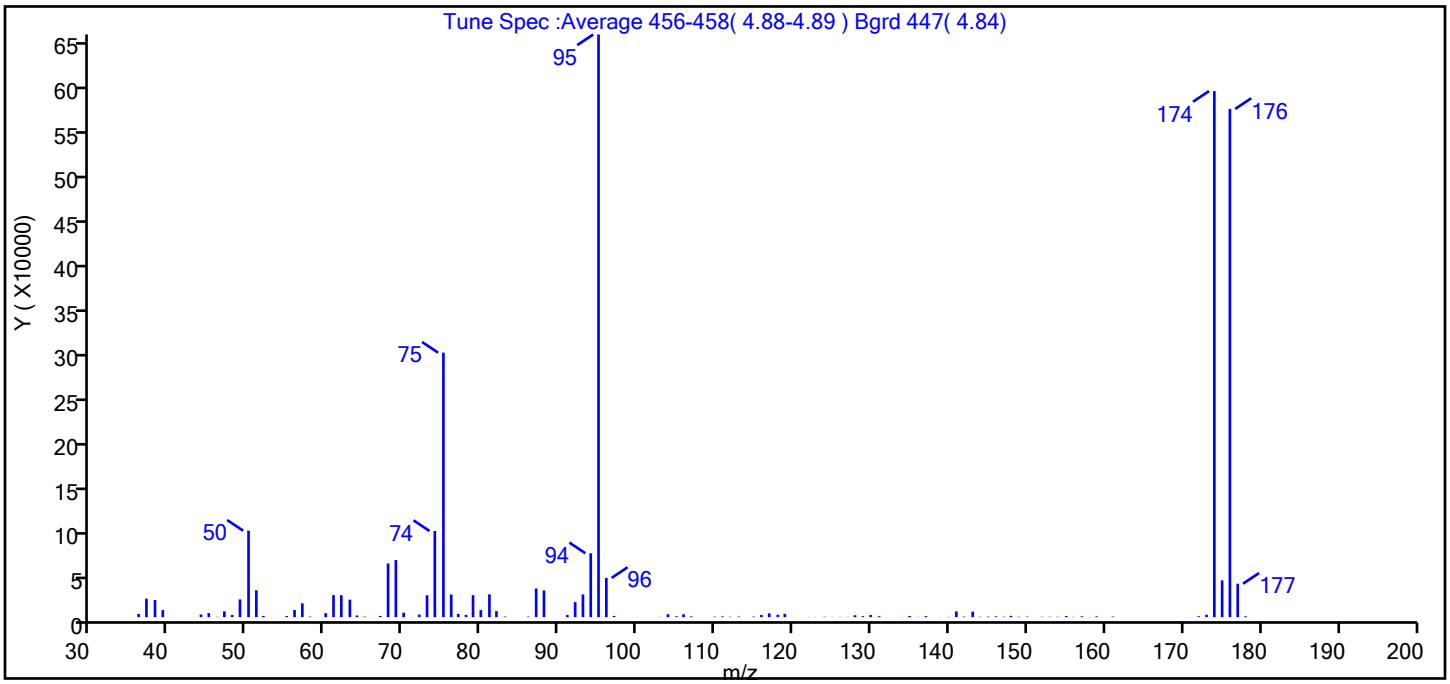
40MXBFB_00001 Amount Added: 40.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HBFBB11.D
Injection Date: 11-Feb-2021 08:31:30 Instrument ID: MH
Lims ID: BFB
Client ID:
Operator ID: HMT ALS Bottle#: 19 Worklist Smp#: 1
Injection Vol: 500.0 mL Dil. Factor: 1.0000
Method: MH_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	14.8*
75	30 to 60% of m/z 95	45.4
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	90.3
175	5 to 9% of m/z 174	6.3 (7.0)
176	Greater than 95% but less than 101% of m/z 174	87.2 (96.6)
177	5 to 9% of m/z 176	5.7 (6.6)

Data File: \\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HBFBB11.D\MH_TO15.rslt\spectra.d
Injection Date: 11-Feb-2021 08:31:30
Spectrum: Tune Spec :Average 456-458(4.88-4.89) Bgrd 447(4.84)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3634	69.00	64048	107.00	862	142.00	662
37.00	20720	70.00	4991	110.00	498	143.00	6164
38.00	19208	71.00	156	111.00	794	144.00	426
39.00	7969	72.00	2899	112.00	472	145.00	606
40.00	100	73.00	24544	113.00	656	146.00	929
43.00	91	74.00	96608	115.00	599	147.00	493
44.00	2922	75.00	296640	116.00	2433	148.00	1480
45.00	4507	76.00	25408	117.00	4245	149.00	480
46.00	326	77.00	3640	118.00	2684	150.00	582
47.00	6518	78.00	2570	119.00	3721	151.00	46
48.00	2489	79.00	24624	120.00	130	152.00	384
49.00	19896	80.00	7903	122.00	222	153.00	424
50.00	96912	81.00	25536	123.00	211	154.00	388
51.00	30112	82.00	6723	124.00	428	155.00	1303
52.00	1385	83.00	687	125.00	265	156.00	247
53.00	99	86.00	642	126.00	293	157.00	931
55.00	1306	87.00	32144	127.00	220	158.00	182
56.00	8003	88.00	29992	128.00	2142	159.00	835
57.00	15455	89.00	26	129.00	1051	161.00	639
58.00	584	91.00	2463	130.00	2415	170.00	63
59.00	104	92.00	16856	131.00	1026	171.00	73
60.00	4454	93.00	25496	132.00	107	172.00	989
61.00	24712	94.00	71632	133.00	67	173.00	2703
62.00	24608	95.00	653440	134.00	159	174.00	589952
63.00	19656	96.00	44032	135.00	1311	175.00	41208
64.00	1845	97.00	1416	136.00	233	176.00	569984
65.00	624	103.00	270	137.00	1143	177.00	37512
66.00	75	104.00	3248	139.00	156	178.00	975
67.00	1321	105.00	989	140.00	333	191.00	29
68.00	60168	106.00	3198	141.00	6413		

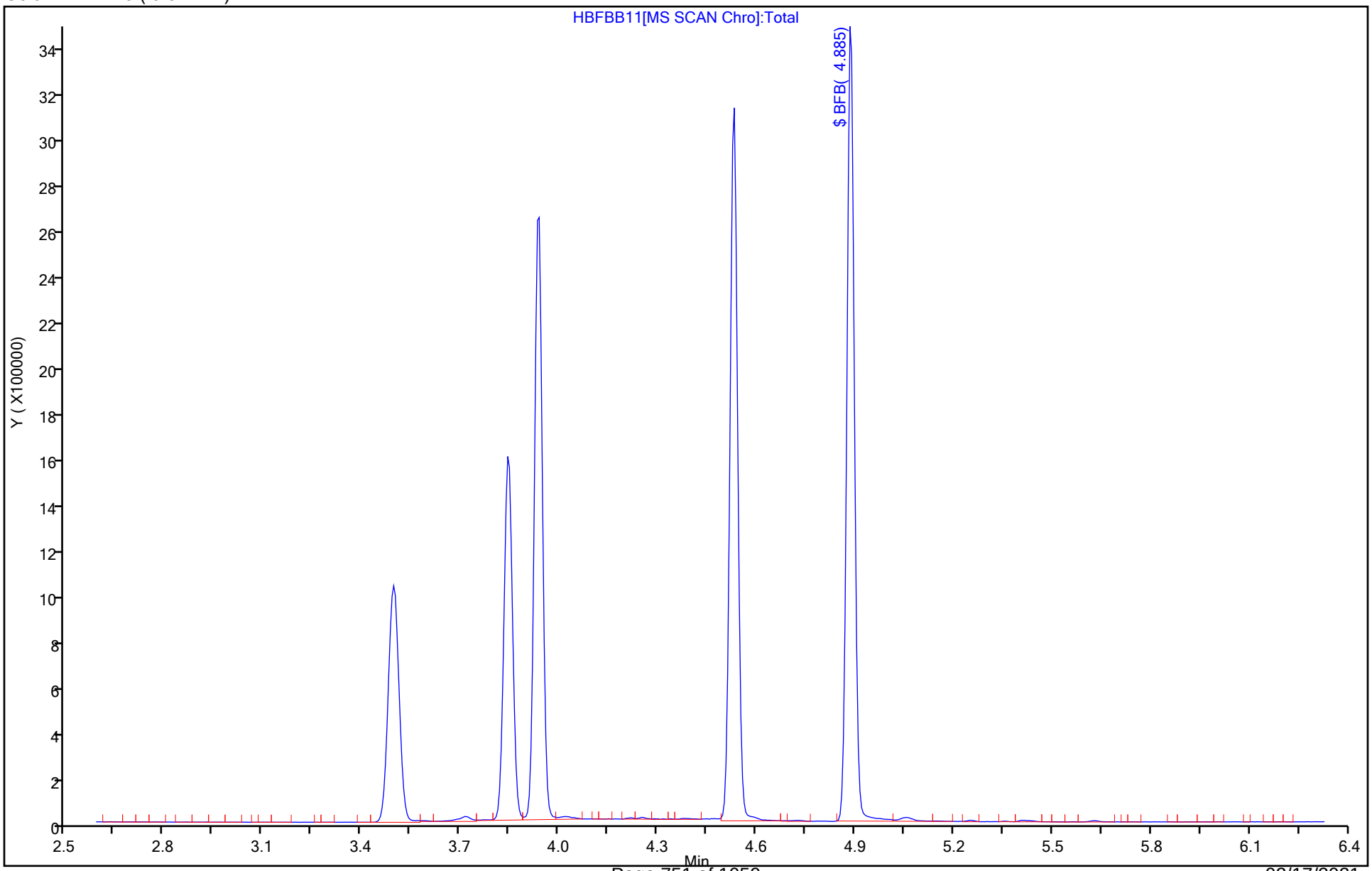
Report Date: 12-Feb-2021 11:01:22 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HBFBB11.D

Injection Date:	11-Feb-2021 08:31:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	500.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	MH_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\20210118-17951.b\SA20BFB.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	20-Jan-2021 13:40:30	ALS Bottle#:	3	Worklist Smp#:	1
Injection Vol:	500.0 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017682-004				
Misc. Info.:	BFB				
Operator ID:	afb	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	21-Jan-2021 11:48:12	Calib Date:	21-Jan-2021 08:11:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1678				

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	4.794	4.794	0.000	0	648167	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

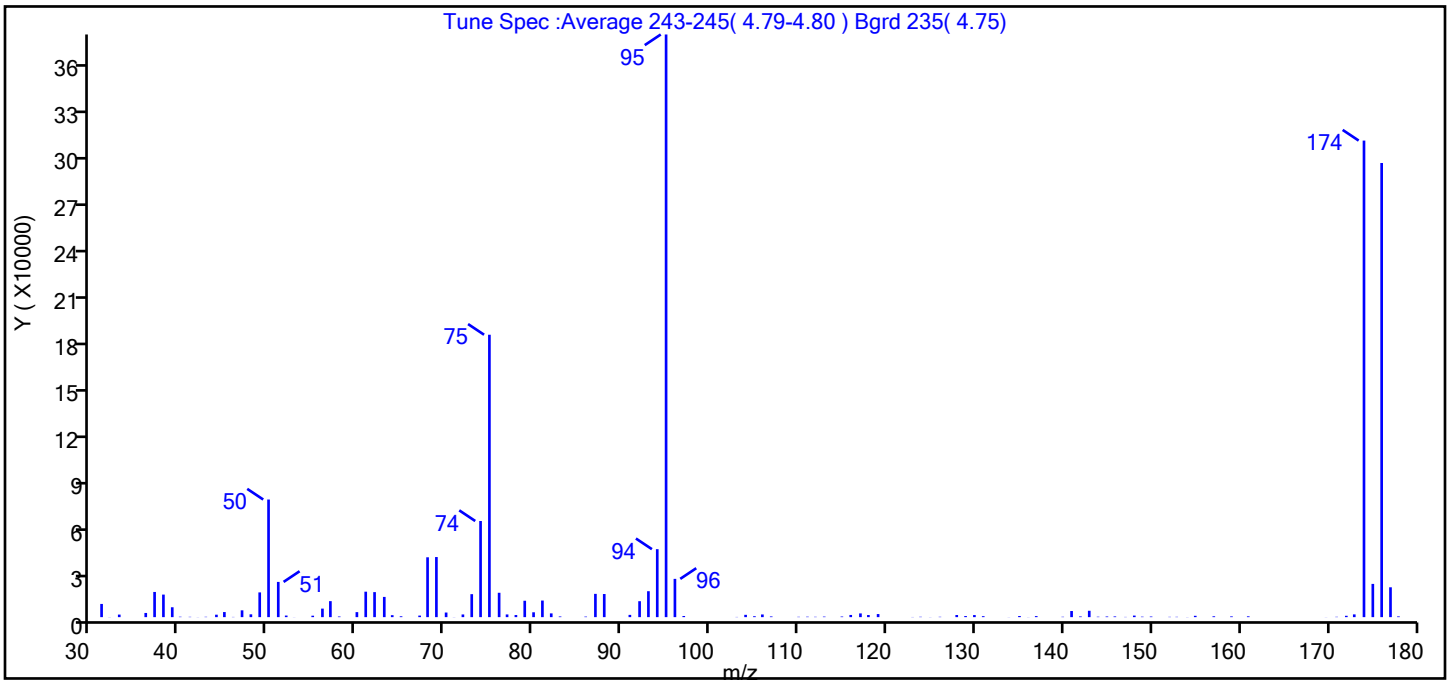
40MXBFB_00001 Amount Added: 40.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20BFB.D
Injection Date: 20-Jan-2021 13:40:30 Instrument ID: MS
Lims ID: BFB
Client ID:
Operator ID: afb 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	20.2
75	30 to 60% of m/z 95	48.5
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.5 (0.6)
174	50 to 120% of m/z 95	81.8
175	5 to 9% of m/z 174	5.7 (7.0)
176	Greater than 95% but less than 101% of m/z 174	77.9 (95.3)
177	5 to 9% of m/z 176	5.1 (6.6)

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20BFB.D\MS_TO15A.rslt\spectra.d
Injection Date: 20-Jan-2021 13:40:30
Spectrum: Tune Spec :Average 243-245(4.79-4.80) Bgrd 235(4.75)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 111

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	8524	63.00	13057	96.00	24704	140.00	239
32.00	76	64.00	1269	97.00	720	141.00	3953
33.00	1649	65.00	542	103.00	129	142.00	437
36.00	2701	67.00	1007	104.00	1495	143.00	4110
37.00	16254	68.00	38632	105.00	586	144.00	283
38.00	14559	69.00	38792	106.00	1733	145.00	423
39.00	6377	70.00	2978	107.00	452	146.00	463
40.00	271	71.00	73	110.00	217	147.00	146
41.00	203	72.00	1739	111.00	291	148.00	1007
42.00	62	73.00	14837	112.00	220	149.00	302
43.00	223	74.00	62048	113.00	346	150.00	394
44.00	1581	75.00	182272	115.00	398	152.00	198
45.00	3285	76.00	15729	116.00	1414	153.00	207
46.00	140	77.00	1741	117.00	2411	154.00	75
47.00	4401	78.00	1358	118.00	1362	155.00	863
48.00	1819	79.00	10583	119.00	1988	157.00	550
49.00	15968	80.00	3138	123.00	107	159.00	481
50.00	75912	81.00	10712	124.00	234	161.00	524
51.00	22744	82.00	2428	125.00	72	170.00	53
52.00	1027	83.00	431	126.00	223	171.00	221
53.00	53	86.00	348	128.00	1374	172.00	876
55.00	929	87.00	15024	129.00	706	173.00	1778
56.00	5508	88.00	14920	130.00	1339	174.00	307584
57.00	10329	91.00	1464	131.00	609	175.00	21456
58.00	411	92.00	10293	134.00	60	176.00	293120
60.00	3237	93.00	16736	135.00	723	177.00	19272
61.00	16432	94.00	43864	136.00	60	178.00	473
62.00	16152	95.00	376064	137.00	674		

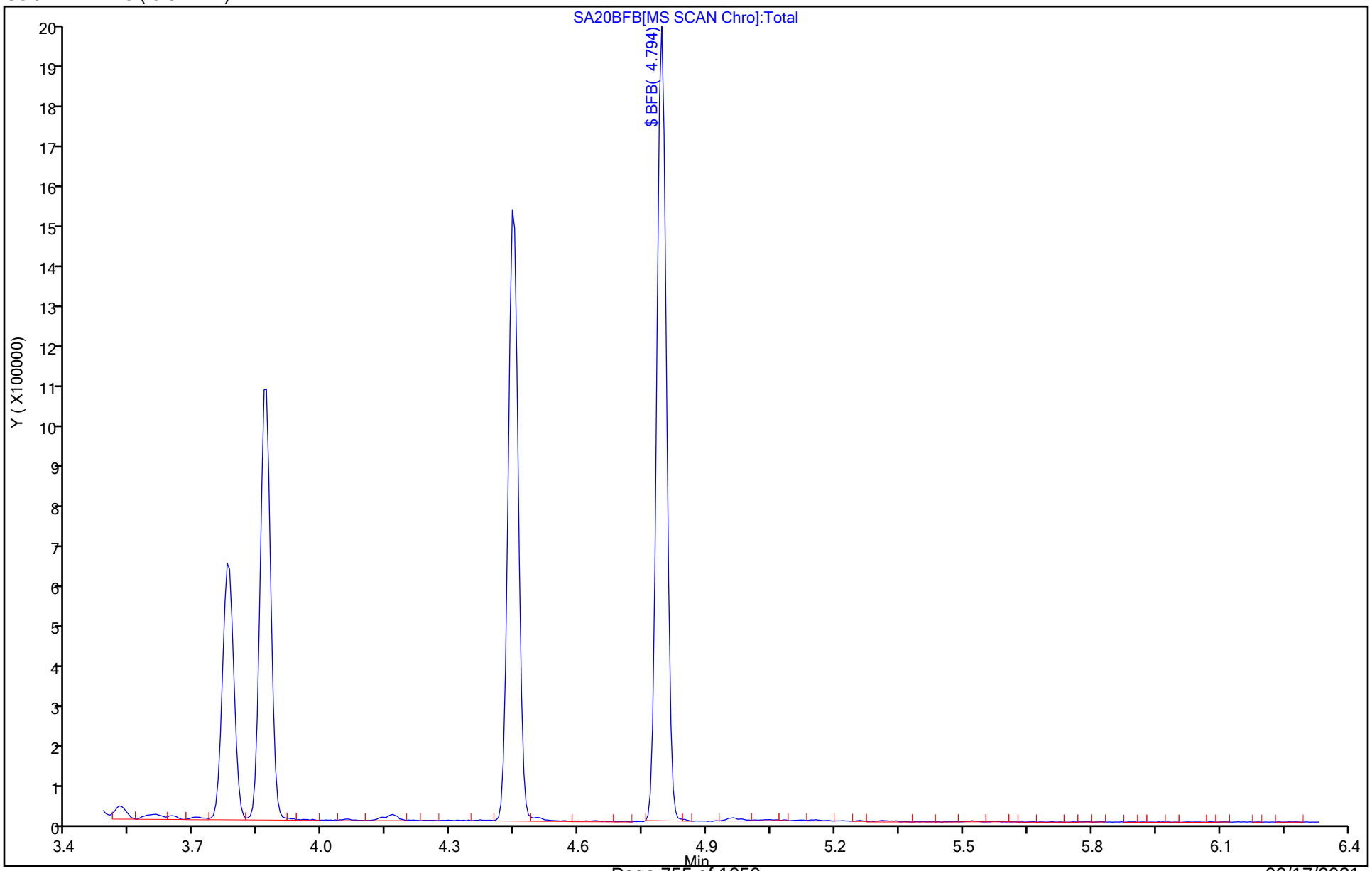
Report Date: 21-Jan-2021 11:48:13 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20BFB.D

Injection Date:	20-Jan-2021 13:40:30	Instrument ID:	MS	Operator ID:	afb
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\20210208-18147.b\SBFBB09A.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	09-Feb-2021 10:15:30	ALS Bottle#:	16	Worklist Smp#:	1
Injection Vol:	500.0 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018147-001				
Misc. Info.:	BFB				
Operator ID:	HMT	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	10-Feb-2021 10:51:56	Calib Date:	21-Jan-2021 08:11:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1610				
First Level Reviewer: khachitpongpanits		Date:	10-Feb-2021 10:51:56		

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	4.794	4.794	0.000	0	979950	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

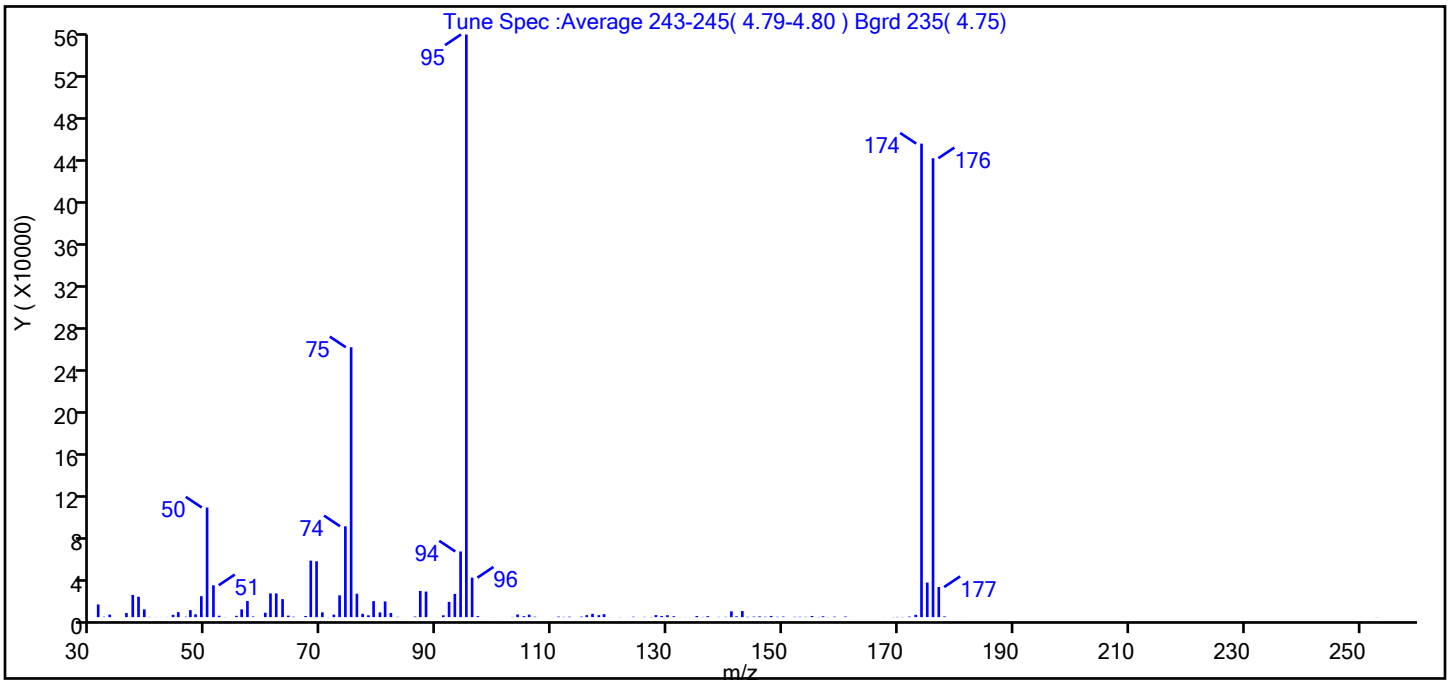
40MXBFB_00001 Amount Added: 40.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SBFBB09A.D
Injection Date: 09-Feb-2021 10:15:30 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	46.3
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	81.3
175	5 to 9% of m/z 174	5.9 (7.3)
176	Greater than 95% but less than 101% of m/z 174	78.8 (96.9)
177	5 to 9% of m/z 176	5.2 (6.6)

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SBFBB09A.D\MS_TO15A.rslt\spectra.d
Injection Date: 09-Feb-2021 10:15:30
Spectrum: Tune Spec :Average 243-245(4.79-4.80) Bgrd 235(4.75)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 124

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	12155	67.00	1104	105.00	973	141.00	5551
32.00	378	68.00	54200	106.00	2393	142.00	769
33.00	2424	69.00	53592	107.00	424	143.00	5862
36.00	3969	70.00	4606	110.00	31	144.00	349
37.00	21328	71.00	156	111.00	543	145.00	522
38.00	19560	72.00	2400	112.00	275	146.00	746
39.00	7464	73.00	20896	113.00	485	147.00	383
40.00	201	74.00	87136	115.00	534	148.00	1149
41.00	113	75.00	258752	116.00	1939	149.00	344
42.00	62	76.00	22488	117.00	3220	150.00	583
43.00	126	77.00	3170	118.00	1936	152.00	332
44.00	2268	78.00	1804	119.00	2839	153.00	383
45.00	4777	79.00	15356	120.00	55	154.00	300
46.00	379	80.00	4549	122.00	135	155.00	1124
47.00	6727	81.00	15060	123.00	77	156.00	228
48.00	2667	82.00	3974	124.00	431	157.00	826
49.00	20072	83.00	324	125.00	58	158.00	137
50.00	105120	86.00	581	126.00	272	159.00	508
51.00	30592	87.00	25112	127.00	208	161.00	617
52.00	1376	88.00	24536	128.00	1975	168.00	64
53.00	156	90.00	54	129.00	1055	169.00	108
55.00	1292	91.00	1778	130.00	1878	170.00	250
56.00	7457	92.00	14626	131.00	872	171.00	195
57.00	15496	93.00	22328	132.00	79	172.00	569
58.00	610	94.00	62976	133.00	67	173.00	2258
60.00	4220	95.00	558656	134.00	54	174.00	454016
61.00	22784	96.00	37872	135.00	1112	175.00	33160
62.00	22760	97.00	995	136.00	207	176.00	440000
63.00	17256	100.00	53	137.00	970	177.00	28856
64.00	1460	103.00	209	139.00	249	178.00	722
65.00	412	104.00	2538	140.00	326	253.00	126

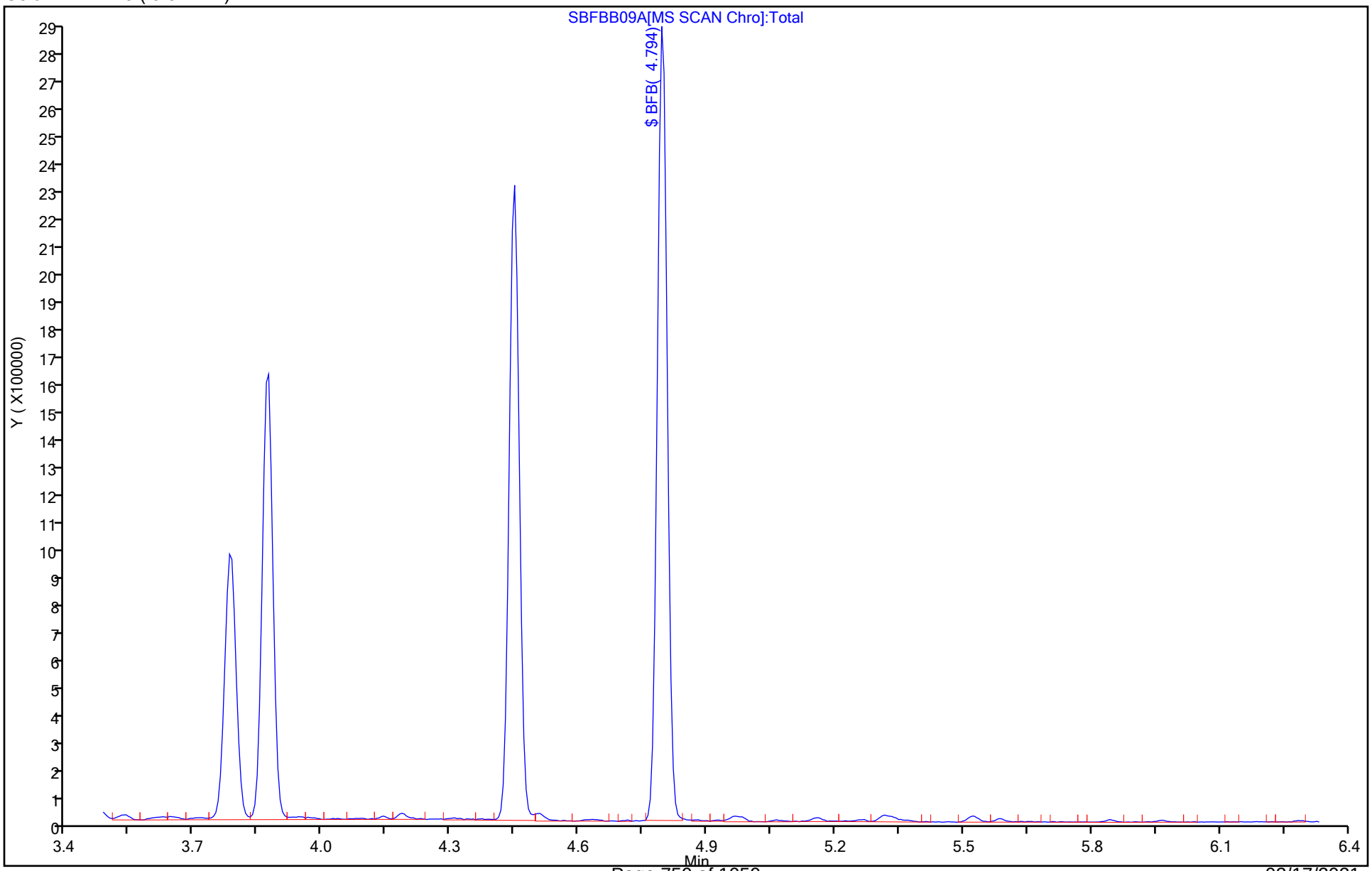
Report Date: 10-Feb-2021 10:51:57 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SBFBB09A.D

Injection Date:	09-Feb-2021 10:15:30	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.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-46753/4

Matrix: Air Lab File ID: S500BB09.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/09/2021 15:29

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.080	0.037
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.080	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		0.080	0.0080
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.080	0.0070
75-34-3	1,1-Dichloroethane	98.96	ND		0.080	0.0070
75-35-4	1,1-Dichloroethene	96.94	ND		0.040	0.0080
526-73-8	1,2,3-Trimethylbenzene	120.19	ND		0.080	0.036
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.080	0.064
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.080	0.020
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		0.080	0.0070
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		0.080	0.012
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.080	0.031
107-06-2	1,2-Dichloroethane	98.96	ND		0.080	0.010
78-87-5	1,2-Dichloropropane	112.99	ND		0.080	0.010
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.080	0.022
106-99-0	1,3-Butadiene	54.09	ND		0.16	0.019
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.080	0.016
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.080	0.016
123-91-1	1,4-Dioxane	88.11	ND		0.20	0.030
90-12-0	1-Methylnaphthalene	142.20	ND		1.0	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	0.0080
78-93-3	2-Butanone (MEK)	72.11	ND		0.32	0.073
95-49-8	2-Chlorotoluene	126.59	ND		0.16	0.016
591-78-6	2-Hexanone	100.20	ND		0.20	0.016
91-57-6	2-Methylnaphthalene	142.20	ND		1.0	0.27
107-05-1	3-Chloropropene	76.53	ND		0.080	0.023
622-96-8	4-Ethyltoluene	120.20	ND		0.16	0.021
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.20	0.054
67-64-1	Acetone	58.08	ND		2.0	0.57
71-43-2	Benzene	78.11	0.00893	J	0.080	0.0080
100-44-7	Benzyl chloride	126.58	ND		0.16	0.038
75-27-4	Bromodichloromethane	163.83	ND		0.080	0.018
75-25-2	Bromoform	252.75	ND		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-46753/4

Matrix: Air Lab File ID: S500BB09.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/09/2021 15:29

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND		0.080	0.022
106-97-8	Butane	58.12	ND		0.16	0.083
75-15-0	Carbon disulfide	76.14	0.0206	J	0.20	0.011
56-23-5	Carbon tetrachloride	153.81	ND		0.032	0.0070
108-90-7	Chlorobenzene	112.56	0.00615	J	0.080	0.0060
75-00-3	Chloroethane	64.52	ND		0.080	0.029
67-66-3	Chloroform	119.38	ND		0.080	0.0070
74-87-3	Chloromethane	50.49	ND		0.20	0.066
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.040	0.010
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.080	0.016
110-82-7	Cyclohexane	84.16	ND		0.20	0.023
124-18-5	Decane	142.28	ND		0.40	0.038
124-48-1	Dibromochloromethane	208.28	ND		0.080	0.0070
75-71-8	Dichlorodifluoromethane	120.91	ND		0.080	0.014
112-40-3	Dodecane	170.33	ND		0.40	0.064
64-17-5	Ethanol	46.07	ND		2.0	0.87
100-41-4	Ethylbenzene	106.17	ND		0.080	0.013
142-82-5	Heptane	100.21	ND		0.20	0.014
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	0.032
110-54-3	Hexane	86.17	ND		0.20	0.013
67-63-0	Isopropyl alcohol	60.10	ND		0.80	0.22
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.16	0.052
75-09-2	Methylene Chloride	84.93	ND		0.40	0.39
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.080	0.029
91-20-3	Naphthalene	128.17	ND		0.20	0.076
111-84-2	Nonane	128.26	ND		0.20	0.018
111-65-9	Octane	114.23	ND		0.16	0.016
95-47-6	o-Xylene	106.17	ND		0.080	0.015
109-66-0	Pentane	72.15	ND		0.40	0.079
100-42-5	Styrene	104.15	ND		0.080	0.024
75-65-0	tert-Butyl alcohol	74.12	ND		0.32	0.088
127-18-4	Tetrachloroethene	165.83	ND		0.080	0.0070
108-88-3	Toluene	92.14	ND		0.12	0.078
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.080	0.0070
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-46753/4

Matrix: Air Lab File ID: S500BB09.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/09/2021 15:29

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	ND		0.036	0.0060
75-69-4	Trichlorofluoromethane	137.37	ND		0.080	0.011
1120-21-4	Undecane	156.31	ND		0.40	0.048
593-60-2	Vinyl bromide	106.96	ND		0.080	0.020
75-01-4	Vinyl chloride	62.50	ND		0.040	0.026

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.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-46753/4

Matrix: Air Lab File ID: S500BB09.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/09/2021 15:29

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.44	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.55	0.096
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		0.61	0.061
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.44	0.038
75-34-3	1,1-Dichloroethane	98.96	ND		0.32	0.028
75-35-4	1,1-Dichloroethene	96.94	ND		0.16	0.032
526-73-8	1,2,3-Trimethylbenzene	120.19	ND		0.39	0.18
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.59	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.39	0.098
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		0.61	0.054
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		0.56	0.084
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.48	0.19
107-06-2	1,2-Dichloroethane	98.96	ND		0.32	0.040
78-87-5	1,2-Dichloropropane	112.99	ND		0.37	0.046
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.39	0.11
106-99-0	1,3-Butadiene	54.09	ND		0.35	0.042
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.48	0.096
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.48	0.096
123-91-1	1,4-Dioxane	88.11	ND		0.72	0.11
90-12-0	1-Methylnaphthalene	142.20	ND		5.8	1.5
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.037
78-93-3	2-Butanone (MEK)	72.11	ND		0.94	0.22
95-49-8	2-Chlorotoluene	126.59	ND		0.83	0.083
591-78-6	2-Hexanone	100.20	ND		0.82	0.066
91-57-6	2-Methylnaphthalene	142.20	ND		5.8	1.6
107-05-1	3-Chloropropene	76.53	ND		0.25	0.072
622-96-8	4-Ethyltoluene	120.20	ND		0.79	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.82	0.22
67-64-1	Acetone	58.08	ND		4.8	1.4
71-43-2	Benzene	78.11	0.0285	J	0.26	0.026
100-44-7	Benzyl chloride	126.58	ND		0.83	0.20
75-27-4	Bromodichloromethane	163.83	ND		0.54	0.12
75-25-2	Bromoform	252.75	ND		0.83	0.093

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-46753/4

Matrix: Air Lab File ID: S500BB09.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/09/2021 15:29

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND		0.31	0.085
106-97-8	Butane	58.12	ND		0.38	0.20
75-15-0	Carbon disulfide	76.14	0.0641	J	0.62	0.034
56-23-5	Carbon tetrachloride	153.81	ND		0.20	0.044
108-90-7	Chlorobenzene	112.56	0.0283	J	0.37	0.028
75-00-3	Chloroethane	64.52	ND		0.21	0.077
67-66-3	Chloroform	119.38	ND		0.39	0.034
74-87-3	Chloromethane	50.49	ND		0.41	0.14
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.16	0.040
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.36	0.073
110-82-7	Cyclohexane	84.16	ND		0.69	0.079
124-18-5	Decane	142.28	ND		2.3	0.22
124-48-1	Dibromochloromethane	208.28	ND		0.68	0.060
75-71-8	Dichlorodifluoromethane	120.91	ND		0.40	0.069
112-40-3	Dodecane	170.33	ND		2.8	0.45
64-17-5	Ethanol	46.07	ND		3.8	1.6
100-41-4	Ethylbenzene	106.17	ND		0.35	0.056
142-82-5	Heptane	100.21	ND		0.82	0.057
87-68-3	Hexachlorobutadiene	260.76	ND		0.85	0.34
110-54-3	Hexane	86.17	ND		0.70	0.046
67-63-0	Isopropyl alcohol	60.10	ND		2.0	0.54
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.58	0.19
75-09-2	Methylene Chloride	84.93	ND		1.4	1.4
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.35	0.13
91-20-3	Naphthalene	128.17	ND		1.0	0.40
111-84-2	Nonane	128.26	ND		1.0	0.094
111-65-9	Octane	114.23	ND		0.75	0.075
95-47-6	o-Xylene	106.17	ND		0.35	0.065
109-66-0	Pentane	72.15	ND		1.2	0.23
100-42-5	Styrene	104.15	ND		0.34	0.10
75-65-0	tert-Butyl alcohol	74.12	ND		0.97	0.27
127-18-4	Tetrachloroethene	165.83	ND		0.54	0.047
108-88-3	Toluene	92.14	ND		0.45	0.29
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.32	0.028
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.36	0.041

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-46753/4

Matrix: Air Lab File ID: S500BB09.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/09/2021 15:29

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.: 46753 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	ND		0.19	0.032
75-69-4	Trichlorofluoromethane	137.37	ND		0.45	0.062
1120-21-4	Undecane	156.31	ND		2.6	0.31
593-60-2	Vinyl bromide	106.96	ND		0.35	0.087
75-01-4	Vinyl chloride	62.50	ND		0.10	0.066

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\MS\20210208-18147.b\S500BB09.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	09-Feb-2021 15:29:30	ALS Bottle#:	16	Worklist Smp#:	4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018147-004				
Misc. Info.:	500ML BLK				
Operator ID:	HMT	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	10-Feb-2021 10:53:49	Calib Date:	21-Jan-2021 08:11:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1610				
First Level Reviewer: khachitpongpanits		Date:	10-Feb-2021 10:53:49		

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	9.255	0.000	94	300337	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.428	11.434	-0.006	94	1433802	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.098	16.098	0.000	87	1203371	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.738	17.744	-0.006	89	884987	4.64	4.51	
33 Carbon disulfide	76	6.775	6.780	-0.005	93	4725		0.0206	
51 Benzene	78	10.901	10.906	-0.005	1	2310		0.008925	
75 Chlorobenzene	112	16.157	16.146	0.011	83	1479		0.006147	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

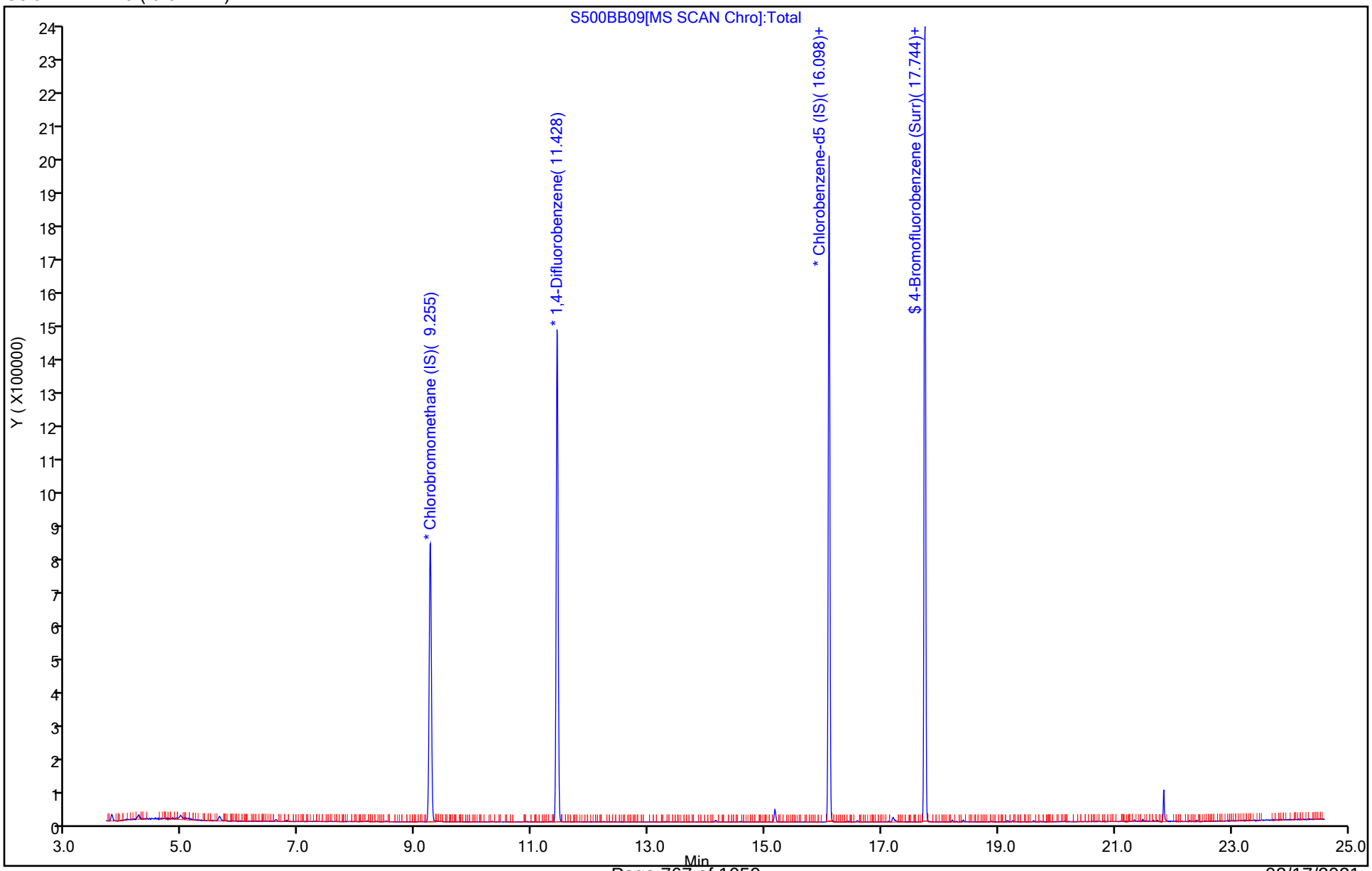
Report Date: 10-Feb-2021 10:53:49 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\S500BB09.D

Injection Date:	09-Feb-2021 15:29:30	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\20210208-18147.b\S500BB09.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	09-Feb-2021 15:29:30	ALS Bottle#:	16	Worklist Smp#:	4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018147-004				
Misc. Info.:	500ML BLK				
Operator ID:	HMT	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	10-Feb-2021 10:53:49	Calib Date:	21-Jan-2021 08:11:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1610				

First Level Reviewer: khachitpongpanits Date: 10-Feb-2021 10:53:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.51	97.18

Report Date: 10-Feb-2021 10:53:49 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\S500BB09.D

Injection Date: 09-Feb-2021 15:29:30 Instrument ID: MS

Lims ID: MB

Client ID:

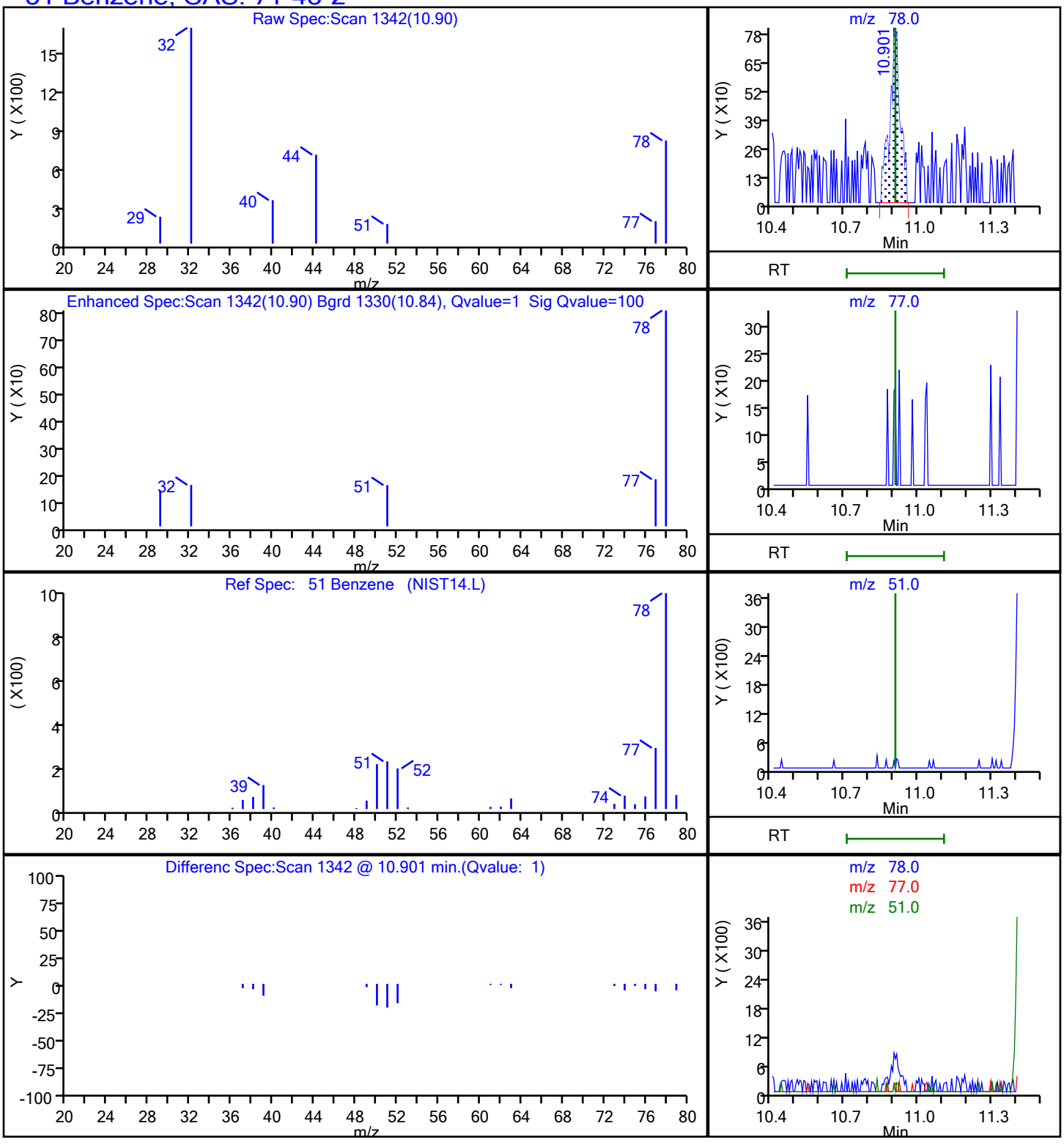
Operator ID: HMT ALS Bottle#: 16 Worklist Smp#: 4

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

51 Benzene, CAS: 71-43-2



Report Date: 10-Feb-2021 10:53:49 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\S500BB09.D

Injection Date: 09-Feb-2021 15:29:30 Instrument ID: MS

Lims ID: MB

Client ID:

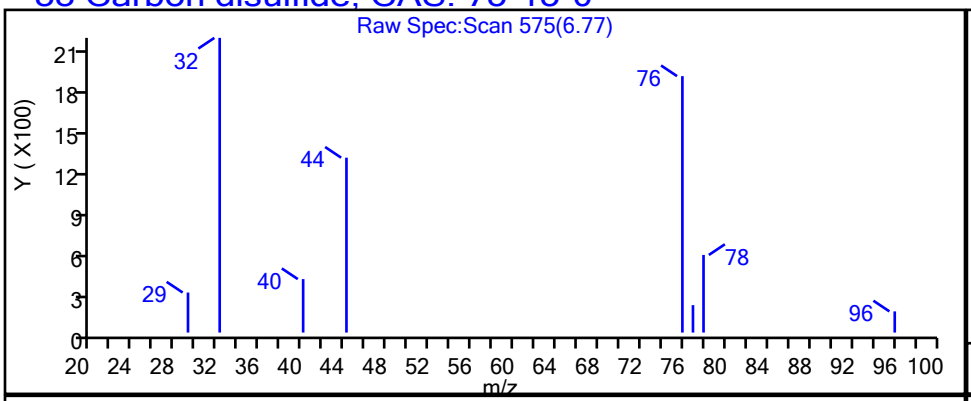
Operator ID: HMT ALS Bottle#: 16 Worklist Smp#: 4

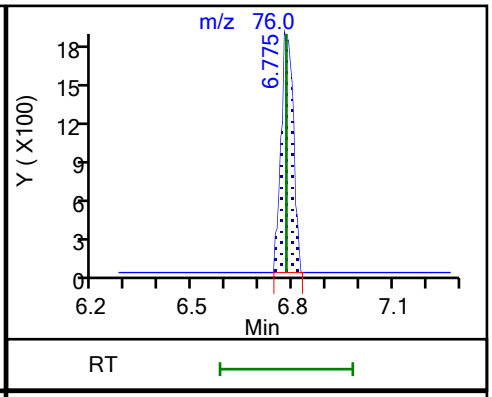
Purge Vol: 500.000 mL Dil. Factor: 1.0000

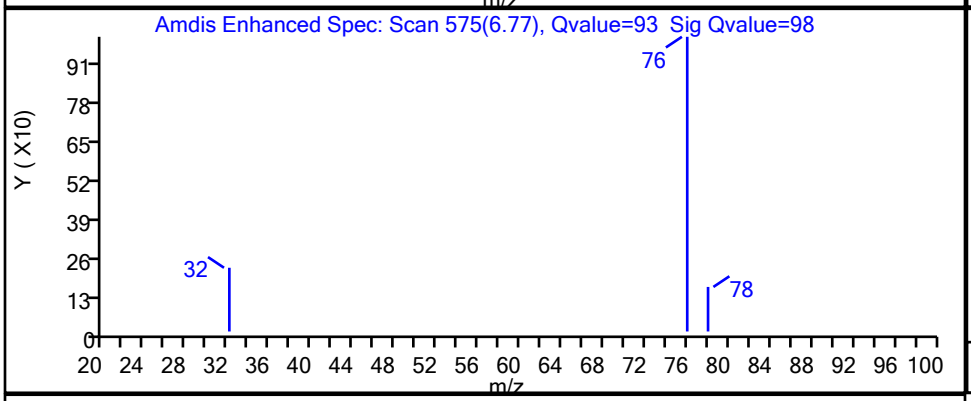
Method: MS_TO15A Limit Group: MSA TO14A_15 Routine ICAL

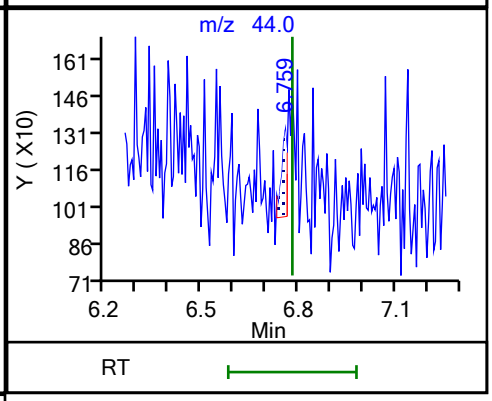
Column: RTX-5 (0.32 mm) Detector MS SCAN

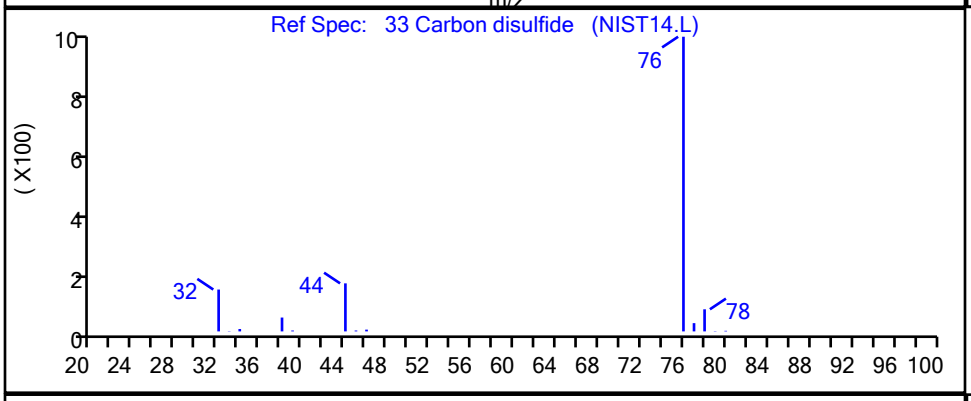
33 Carbon disulfide, CAS: 75-15-0

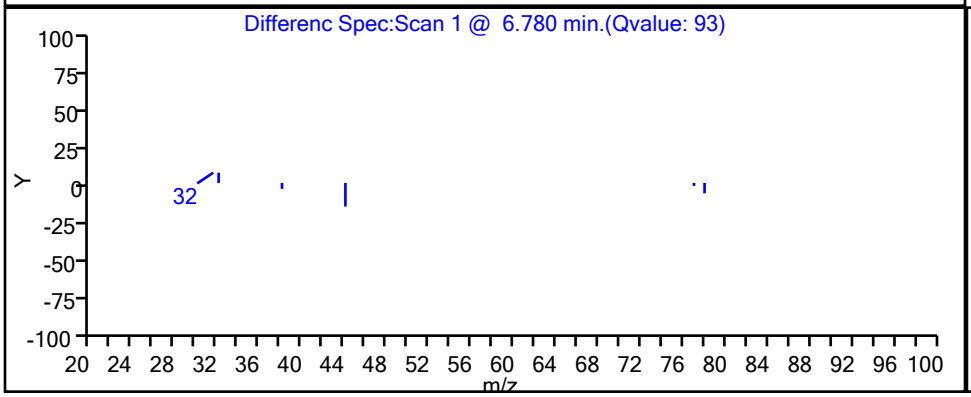


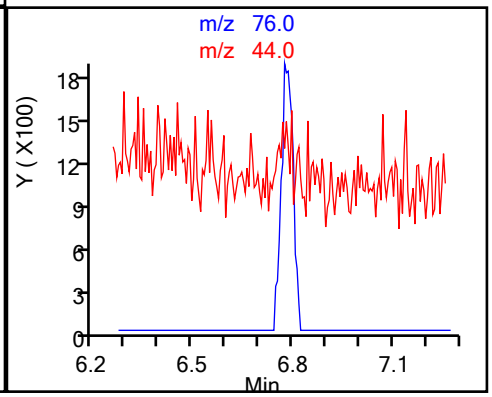












Report Date: 10-Feb-2021 10:53:49 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\S500BB09.D

Injection Date: 09-Feb-2021 15:29:30 Instrument ID: MS

Lims ID: MB

Client ID:

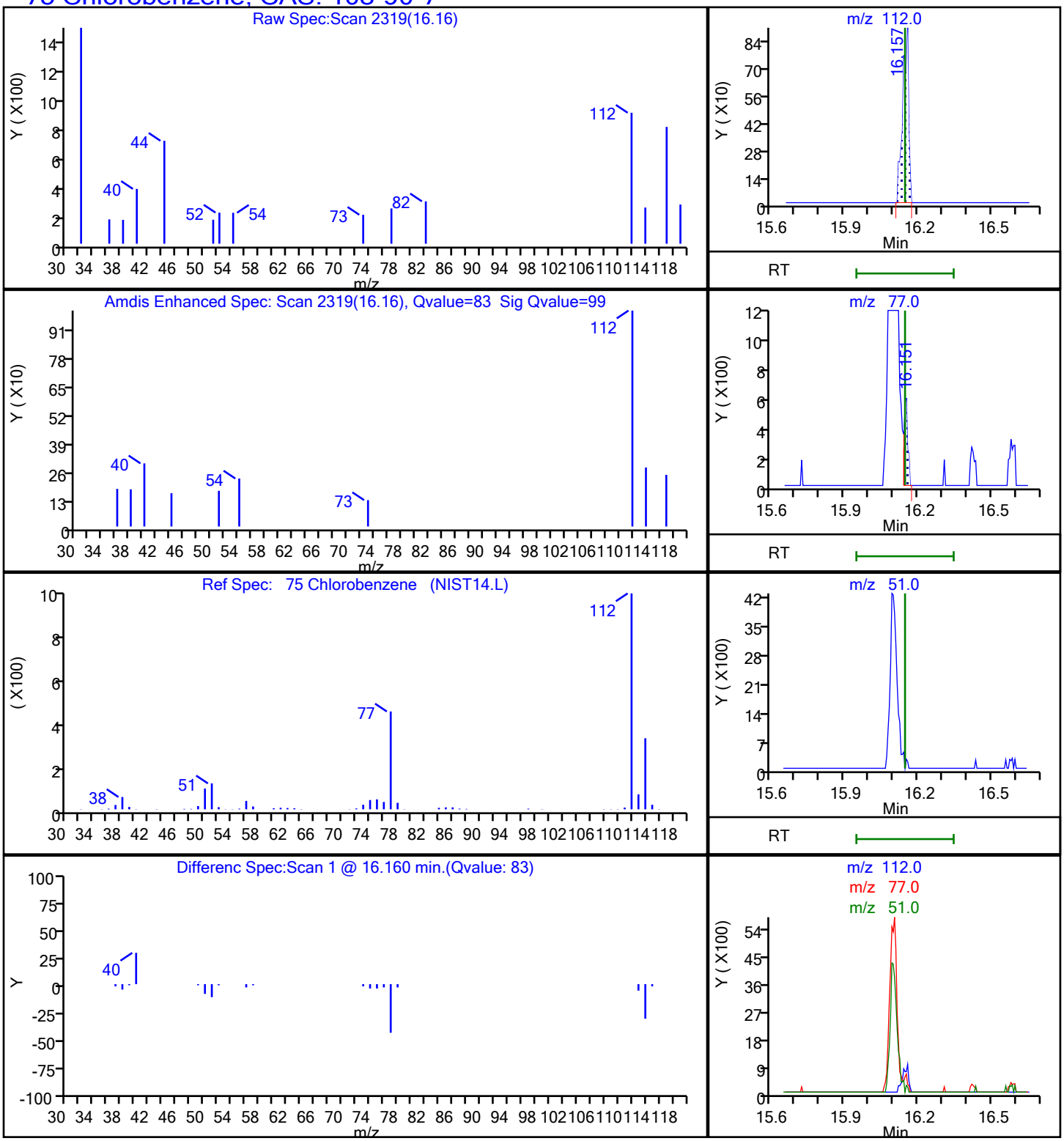
Operator ID: HMT ALS Bottle#: 16 Worklist Smp#: 4

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

75 Chlorobenzene, CAS: 108-90-7



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-46842/4

Matrix: Air Lab File ID: H500BB11.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/11/2021 12:13

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.: 46842 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.080	0.037
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.080	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		0.080	0.0080
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.080	0.0070
75-34-3	1,1-Dichloroethane	98.96	ND		0.080	0.0070
75-35-4	1,1-Dichloroethene	96.94	ND		0.040	0.0080
526-73-8	1,2,3-Trimethylbenzene	120.19	ND		0.080	0.036
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.080	0.064
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.080	0.020
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		0.080	0.0070
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		0.080	0.012
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.080	0.031
107-06-2	1,2-Dichloroethane	98.96	ND		0.080	0.010
78-87-5	1,2-Dichloropropane	112.99	ND		0.080	0.010
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.080	0.022
106-99-0	1,3-Butadiene	54.09	ND		0.16	0.019
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.080	0.016
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.080	0.016
123-91-1	1,4-Dioxane	88.11	ND		0.20	0.030
90-12-0	1-Methylnaphthalene	142.20	ND		1.0	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	0.0080
78-93-3	2-Butanone (MEK)	72.11	ND		0.32	0.073
95-49-8	2-Chlorotoluene	126.59	ND		0.16	0.016
591-78-6	2-Hexanone	100.20	ND		0.20	0.016
91-57-6	2-Methylnaphthalene	142.20	ND		1.0	0.27
107-05-1	3-Chloropropene	76.53	ND		0.080	0.023
622-96-8	4-Ethyltoluene	120.20	ND		0.16	0.021
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.20	0.054
67-64-1	Acetone	58.08	ND		2.0	0.57
71-43-2	Benzene	78.11	ND		0.080	0.0080
100-44-7	Benzyl chloride	126.58	ND		0.16	0.038
75-27-4	Bromodichloromethane	163.83	ND		0.080	0.018
75-25-2	Bromoform	252.75	ND		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-46842/4

Matrix: Air Lab File ID: H500BB11.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/11/2021 12:13

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.: 46842 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND		0.080	0.022
106-97-8	Butane	58.12	ND		0.16	0.083
75-15-0	Carbon disulfide	76.14	ND		0.20	0.011
56-23-5	Carbon tetrachloride	153.81	ND		0.032	0.0070
108-90-7	Chlorobenzene	112.56	ND		0.080	0.0060
75-00-3	Chloroethane	64.52	ND		0.080	0.029
67-66-3	Chloroform	119.38	ND		0.080	0.0070
74-87-3	Chloromethane	50.49	ND		0.20	0.066
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.040	0.010
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.080	0.016
110-82-7	Cyclohexane	84.16	ND		0.20	0.023
124-18-5	Decane	142.28	ND		0.40	0.038
124-48-1	Dibromochloromethane	208.28	ND		0.080	0.0070
75-71-8	Dichlorodifluoromethane	120.91	ND		0.080	0.014
112-40-3	Dodecane	170.33	ND		0.40	0.064
64-17-5	Ethanol	46.07	ND		2.0	0.87
100-41-4	Ethylbenzene	106.17	ND		0.080	0.013
142-82-5	Heptane	100.21	ND		0.20	0.014
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	0.032
110-54-3	Hexane	86.17	ND		0.20	0.013
67-63-0	Isopropyl alcohol	60.10	ND		0.80	0.22
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.16	0.052
75-09-2	Methylene Chloride	84.93	ND		0.40	0.39
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.080	0.029
91-20-3	Naphthalene	128.17	ND		0.20	0.076
111-84-2	Nonane	128.26	ND		0.20	0.018
111-65-9	Octane	114.23	ND		0.16	0.016
95-47-6	o-Xylene	106.17	ND		0.080	0.015
109-66-0	Pentane	72.15	ND		0.40	0.079
100-42-5	Styrene	104.15	ND		0.080	0.024
75-65-0	tert-Butyl alcohol	74.12	ND		0.32	0.088
127-18-4	Tetrachloroethene	165.83	ND		0.080	0.0070
108-88-3	Toluene	92.14	ND		0.12	0.078
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.080	0.0070
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-46842/4

Matrix: Air Lab File ID: H500BB11.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/11/2021 12:13

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.: 46842 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	ND		0.036	0.0060
75-69-4	Trichlorofluoromethane	137.37	ND		0.080	0.011
1120-21-4	Undecane	156.31	ND		0.40	0.048
593-60-2	Vinyl bromide	106.96	ND		0.080	0.020
75-01-4	Vinyl chloride	62.50	ND		0.040	0.026

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	91		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-46842/4

Matrix: Air Lab File ID: H500BB11.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/11/2021 12:13

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.: 46842 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.44	0.20
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.55	0.096
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	ND		0.61	0.061
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.44	0.038
75-34-3	1,1-Dichloroethane	98.96	ND		0.32	0.028
75-35-4	1,1-Dichloroethene	96.94	ND		0.16	0.032
526-73-8	1,2,3-Trimethylbenzene	120.19	ND		0.39	0.18
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.59	0.47
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.39	0.098
106-93-4	1,2-Dibromoethane (EDB)	187.87	ND		0.61	0.054
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	ND		0.56	0.084
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.48	0.19
107-06-2	1,2-Dichloroethane	98.96	ND		0.32	0.040
78-87-5	1,2-Dichloropropane	112.99	ND		0.37	0.046
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.39	0.11
106-99-0	1,3-Butadiene	54.09	ND		0.35	0.042
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.48	0.096
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.48	0.096
123-91-1	1,4-Dioxane	88.11	ND		0.72	0.11
90-12-0	1-Methylnaphthalene	142.20	ND		5.8	1.5
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	0.037
78-93-3	2-Butanone (MEK)	72.11	ND		0.94	0.22
95-49-8	2-Chlorotoluene	126.59	ND		0.83	0.083
591-78-6	2-Hexanone	100.20	ND		0.82	0.066
91-57-6	2-Methylnaphthalene	142.20	ND		5.8	1.6
107-05-1	3-Chloropropene	76.53	ND		0.25	0.072
622-96-8	4-Ethyltoluene	120.20	ND		0.79	0.10
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.82	0.22
67-64-1	Acetone	58.08	ND		4.8	1.4
71-43-2	Benzene	78.11	ND		0.26	0.026
100-44-7	Benzyl chloride	126.58	ND		0.83	0.20
75-27-4	Bromodichloromethane	163.83	ND		0.54	0.12
75-25-2	Bromoform	252.75	ND		0.83	0.093

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-46842/4

Matrix: Air Lab File ID: H500BB11.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/11/2021 12:13

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.: 46842 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	ND		0.31	0.085
106-97-8	Butane	58.12	ND		0.38	0.20
75-15-0	Carbon disulfide	76.14	ND		0.62	0.034
56-23-5	Carbon tetrachloride	153.81	ND		0.20	0.044
108-90-7	Chlorobenzene	112.56	ND		0.37	0.028
75-00-3	Chloroethane	64.52	ND		0.21	0.077
67-66-3	Chloroform	119.38	ND		0.39	0.034
74-87-3	Chloromethane	50.49	ND		0.41	0.14
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.16	0.040
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.36	0.073
110-82-7	Cyclohexane	84.16	ND		0.69	0.079
124-18-5	Decane	142.28	ND		2.3	0.22
124-48-1	Dibromochloromethane	208.28	ND		0.68	0.060
75-71-8	Dichlorodifluoromethane	120.91	ND		0.40	0.069
112-40-3	Dodecane	170.33	ND		2.8	0.45
64-17-5	Ethanol	46.07	ND		3.8	1.6
100-41-4	Ethylbenzene	106.17	ND		0.35	0.056
142-82-5	Heptane	100.21	ND		0.82	0.057
87-68-3	Hexachlorobutadiene	260.76	ND		0.85	0.34
110-54-3	Hexane	86.17	ND		0.70	0.046
67-63-0	Isopropyl alcohol	60.10	ND		2.0	0.54
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.58	0.19
75-09-2	Methylene Chloride	84.93	ND		1.4	1.4
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.35	0.13
91-20-3	Naphthalene	128.17	ND		1.0	0.40
111-84-2	Nonane	128.26	ND		1.0	0.094
111-65-9	Octane	114.23	ND		0.75	0.075
95-47-6	o-Xylene	106.17	ND		0.35	0.065
109-66-0	Pentane	72.15	ND		1.2	0.23
100-42-5	Styrene	104.15	ND		0.34	0.10
75-65-0	tert-Butyl alcohol	74.12	ND		0.97	0.27
127-18-4	Tetrachloroethene	165.83	ND		0.54	0.047
108-88-3	Toluene	92.14	ND		0.45	0.29
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.32	0.028
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.36	0.041

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-46842/4

Matrix: Air Lab File ID: H500BB11.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/11/2021 12:13

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.: 46842 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	ND		0.19	0.032
75-69-4	Trichlorofluoromethane	137.37	ND		0.45	0.062
1120-21-4	Undecane	156.31	ND		2.6	0.31
593-60-2	Vinyl bromide	106.96	ND		0.35	0.087
75-01-4	Vinyl chloride	62.50	ND		0.10	0.066

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	91		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210210-18175.b\H500BB11.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 11-Feb-2021 12:13:30 ALS Bottle#: 16 Worklist Smp#: 4
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018175-004
Misc. Info.: 500ML BLK
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20210210-18175.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Feb-2021 11:03:51 Calib Date: 09-Feb-2021 06:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1655

First Level Reviewer: khachitpongpanits Date: 12-Feb-2021 11:03:51

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	9.425	9.451	-0.026	85	358679	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.663	11.679	-0.016	94	1644399	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.403	16.408	-0.005	87	1371917	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.026	18.031	-0.005	93	965147	4.64	4.24	
7 Propene	41	3.869	3.864	0.005	53	449		0.008366	7
59 Dibromomethane	93	12.475	12.490	-0.015	88	1012		0.006858	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

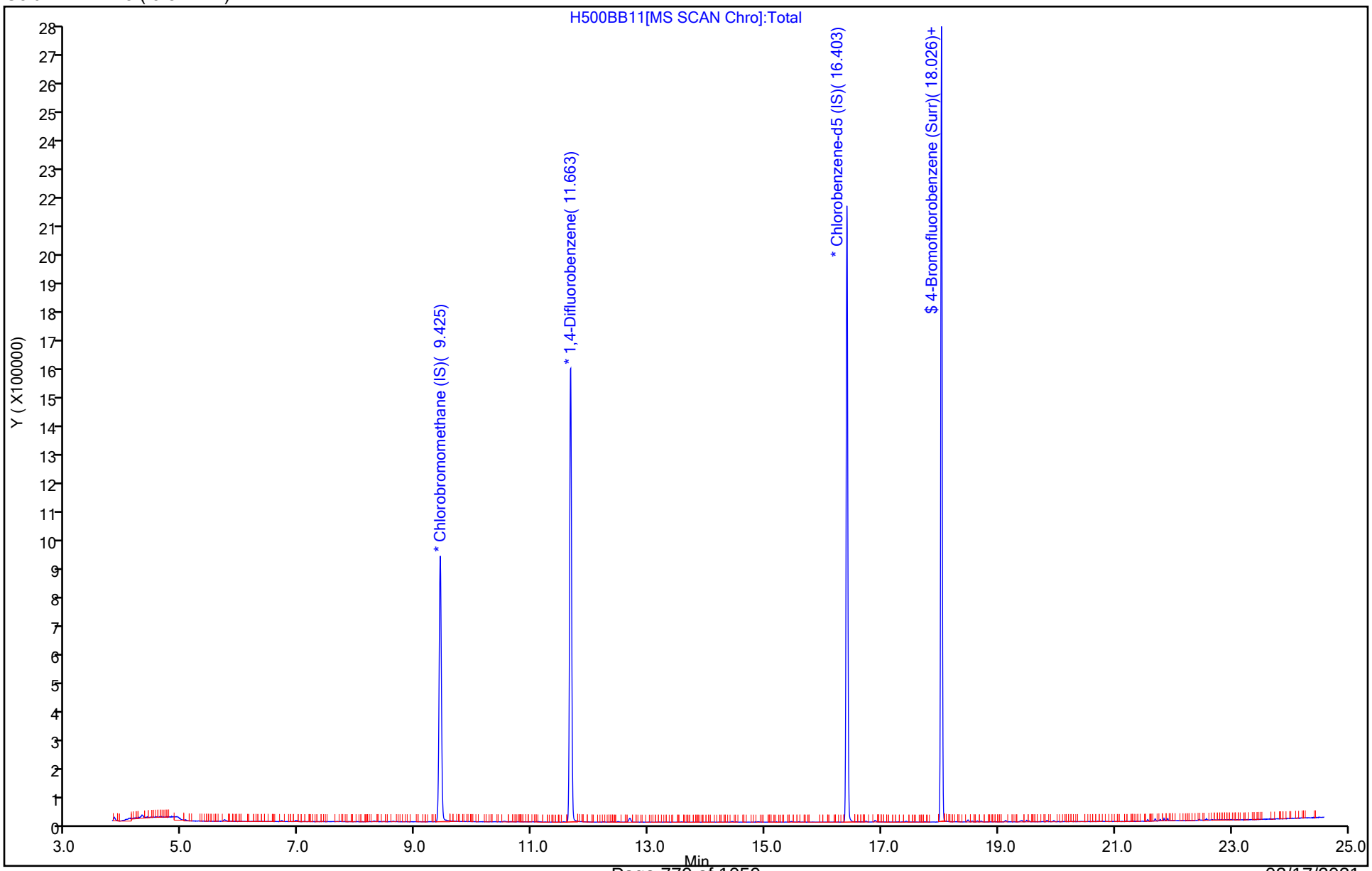
Report Date: 12-Feb-2021 11:03:51 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210210-18175.b\H500BB11.D

Injection Date:	11-Feb-2021 12:13:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	MB			Worklist Smp#:	4
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\H500BB11.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	11-Feb-2021 12:13:30	ALS Bottle#:	16	Worklist Smp#:	4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018175-004				
Misc. Info.:	500ML BLK				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Feb-2021 11:03:51	Calib Date:	09-Feb-2021 06:44:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1655				

First Level Reviewer: khachitpongpanits Date: 12-Feb-2021 11:03:51

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.24	91.41

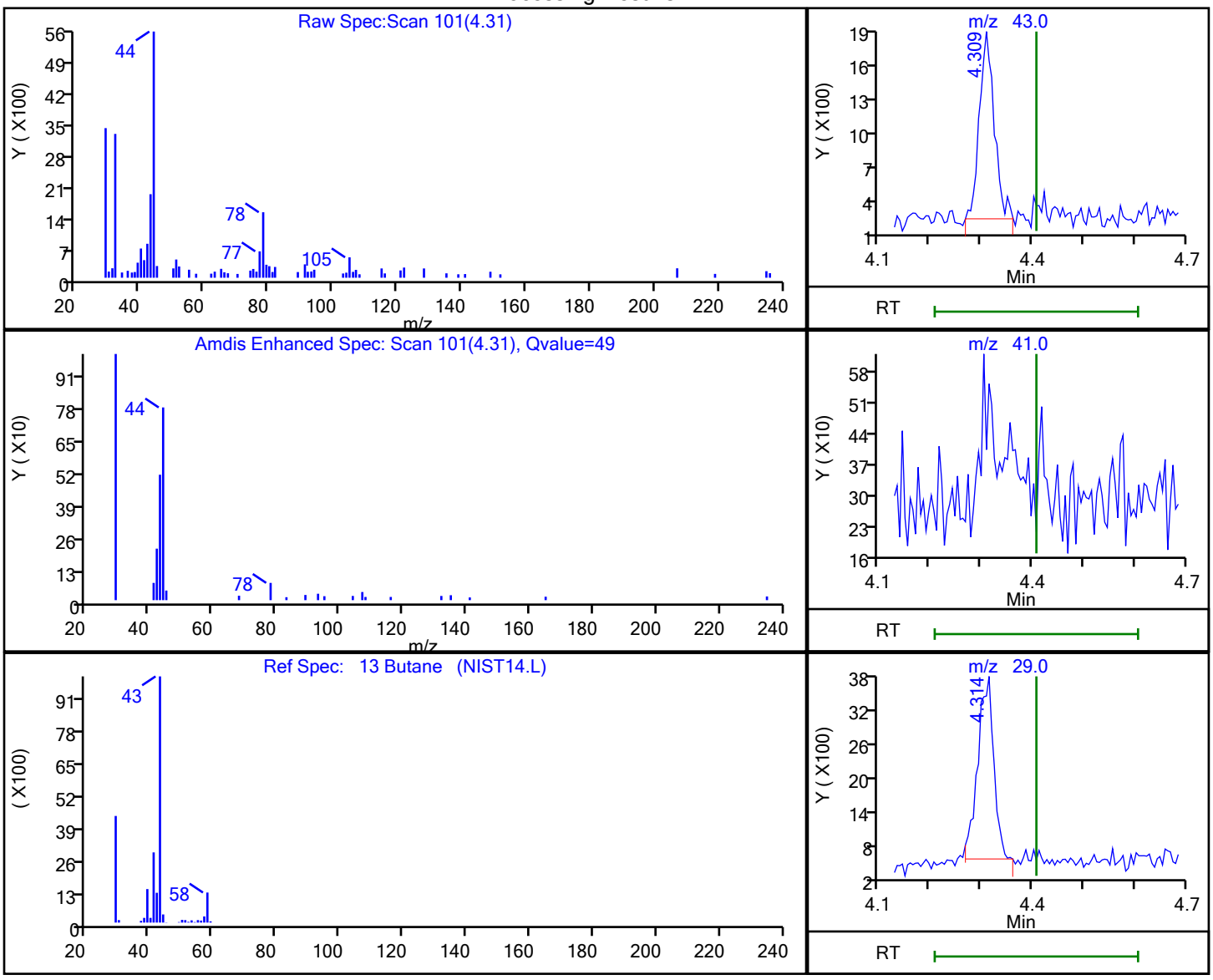
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\H500BB11.D				
Injection Date:	11-Feb-2021 12:13:30	Instrument ID:	MH		
Lims ID:	MB				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	16	Worklist Smp#:	4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

13 Butane, CAS: 106-97-8

Processing Results



RT	Mass	Response	Amount
4.31	43.00	3366	0.038744
4.41	41.00	0	
4.31	29.00	6942	

Reviewer: khachitpongpanits, 12-Feb-2021 11:03:15

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.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-46753/1002

Matrix: Air Lab File ID: SCCVB09A-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/09/2021 10:43

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	2.28		0.080	0.037
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.33		0.080	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	2.28		0.080	0.0080
79-00-5	1,1,2-Trichloroethane	133.41	2.31		0.080	0.0070
75-34-3	1,1-Dichloroethane	98.96	2.22		0.080	0.0070
75-35-4	1,1-Dichloroethene	96.94	2.25		0.040	0.0080
526-73-8	1,2,3-Trimethylbenzene	120.19	2.41		0.080	0.036
120-82-1	1,2,4-Trichlorobenzene	181.45	2.18		0.080	0.064
95-63-6	1,2,4-Trimethylbenzene	120.20	2.38		0.080	0.020
106-93-4	1,2-Dibromoethane (EDB)	187.87	2.36		0.080	0.0070
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	2.26		0.080	0.012
95-50-1	1,2-Dichlorobenzene	147.00	2.23		0.080	0.031
107-06-2	1,2-Dichloroethane	98.96	2.11		0.080	0.010
78-87-5	1,2-Dichloropropane	112.99	2.26		0.080	0.010
108-67-8	1,3,5-Trimethylbenzene	120.20	2.39		0.080	0.022
106-99-0	1,3-Butadiene	54.09	1.90		0.16	0.019
541-73-1	1,3-Dichlorobenzene	147.00	2.24		0.080	0.016
106-46-7	1,4-Dichlorobenzene	147.00	2.25		0.080	0.016
123-91-1	1,4-Dioxane	88.11	2.38		0.20	0.030
90-12-0	1-Methylnaphthalene	142.20	2.05		1.0	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	2.33		0.20	0.0080
78-93-3	2-Butanone (MEK)	72.11	2.15		0.32	0.073
95-49-8	2-Chlorotoluene	126.59	2.38		0.16	0.016
591-78-6	2-Hexanone	100.20	2.46		0.20	0.016
91-57-6	2-Methylnaphthalene	142.20	2.20		1.0	0.27
107-05-1	3-Chloropropene	76.53	2.27		0.080	0.023
622-96-8	4-Ethyltoluene	120.20	2.34		0.16	0.021
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	2.32		0.20	0.054
67-64-1	Acetone	58.08	5.95		2.0	0.57
71-43-2	Benzene	78.11	2.25		0.080	0.0080
100-44-7	Benzyl chloride	126.58	2.56		0.16	0.038
75-27-4	Bromodichloromethane	163.83	2.43		0.080	0.018
75-25-2	Bromoform	252.75	2.72		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-46753/1002

Matrix: Air Lab File ID: SCCVB09A-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/09/2021 10:43

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	1.90		0.080	0.022
106-97-8	Butane	58.12	1.90		0.16	0.083
75-15-0	Carbon disulfide	76.14	2.38		0.20	0.011
56-23-5	Carbon tetrachloride	153.81	2.51		0.032	0.0070
108-90-7	Chlorobenzene	112.56	2.30		0.080	0.0060
75-00-3	Chloroethane	64.52	1.96		0.080	0.029
67-66-3	Chloroform	119.38	2.15		0.080	0.0070
74-87-3	Chloromethane	50.49	2.17		0.20	0.066
156-59-2	cis-1,2-Dichloroethene	96.94	2.32		0.040	0.010
10061-01-5	cis-1,3-Dichloropropene	110.97	2.47		0.080	0.016
110-82-7	Cyclohexane	84.16	2.35		0.20	0.023
124-18-5	Decane	142.28	2.29		0.40	0.038
124-48-1	Dibromochloromethane	208.28	2.60		0.080	0.0070
75-71-8	Dichlorodifluoromethane	120.91	2.35		0.080	0.014
112-40-3	Dodecane	170.33	2.37		0.40	0.064
64-17-5	Ethanol	46.07	8.64		2.0	0.87
100-41-4	Ethylbenzene	106.17	2.42		0.080	0.013
142-82-5	Heptane	100.21	2.45		0.20	0.014
87-68-3	Hexachlorobutadiene	260.76	2.14		0.080	0.032
110-54-3	Hexane	86.17	2.26		0.20	0.013
67-63-0	Isopropyl alcohol	60.10	6.74		0.80	0.22
1634-04-4	Methyl tert-butyl ether	88.15	2.33		0.16	0.052
75-09-2	Methylene Chloride	84.93	2.00		0.40	0.39
179601-23-1	m-Xylene & p-Xylene	106.17	4.98		0.080	0.029
91-20-3	Naphthalene	128.17	2.35		0.20	0.076
111-84-2	Nonane	128.26	2.42		0.20	0.018
111-65-9	Octane	114.23	2.44		0.16	0.016
95-47-6	o-Xylene	106.17	2.36		0.080	0.015
109-66-0	Pentane	72.15	2.31		0.40	0.079
100-42-5	Styrene	104.15	2.62		0.080	0.024
75-65-0	tert-Butyl alcohol	74.12	2.33		0.32	0.088
127-18-4	Tetrachloroethene	165.83	2.31		0.080	0.0070
108-88-3	Toluene	92.14	2.32		0.12	0.078
156-60-5	trans-1,2-Dichloroethene	96.94	2.28		0.080	0.0070
10061-02-6	trans-1,3-Dichloropropene	110.97	2.56		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-46753/1002

Matrix: Air Lab File ID: SCCVB09A-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/09/2021 10:43

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.: 46753 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.29		0.036	0.0060
75-69-4	Trichlorofluoromethane	137.37	2.19		0.080	0.011
1120-21-4	Undecane	156.31	2.33		0.40	0.048
593-60-2	Vinyl bromide	106.96	2.30		0.080	0.020
75-01-4	Vinyl chloride	62.50	2.04		0.040	0.026

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		60-140

Eurofins Environment Testing America
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SCCVB09A-LCS.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 09-Feb-2021 10:43:30 ALS Bottle#: 15 Worklist Smp#: 1002
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018147-002
Misc. Info.: P132 100ML
Operator ID: HMT Instrument ID: MS

Method: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\MS_TO15A.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 10-Feb-2021 10:52:54 Calib Date: 21-Jan-2021 08:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1610

First Level Reviewer: khachitpongpanits Date: 10-Feb-2021 10:52:54

	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	9.255	9.255	0.000	95	299327	4.80	4.80	
*	2 1,4-Difluorobenzene	114	11.434	11.434	0.000	94	1431279	4.80	4.80	
*	3 Chlorobenzene-d5 (IS)	117	16.098	16.098	0.000	87	1228286	4.80	4.80	
$	4 4-Bromofluorobenzene (Surr)	95	17.744	17.744	0.000	90	939302	4.64	4.69	
	6 Chlorodifluoromethane	51	3.805	3.805	0.000	96	352394	2.00	2.21	
	7 Propene	41	3.822	3.822	0.000	99	154031	2.00	2.23	
	8 Dichlorodifluoromethane	85	3.875	3.875	0.000	100	554384	2.00	2.35	
	9 Chloromethane	52	4.074	4.074	0.000	98	35451	2.00	2.17	
	10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.080	4.080	0.000	92	267172	2.00	2.26	
	11 Acetaldehyde	44	4.241	4.241	0.000	99	192028	10.0	9.18	
	12 Vinyl chloride	62	4.263	4.263	0.000	99	110141	2.00	2.04	
	13 Butadiene	54	4.354	4.354	0.000	72	79173	2.00	1.90	
	14 Butane	43	4.354	4.354	0.000	83	140913	2.00	1.90	
	15 Bromomethane	94	4.709	4.709	0.000	98	107649	2.00	1.90	
	16 Chloroethane	64	4.860	4.860	0.000	99	47402	2.00	1.96	
	17 Ethanol	31	4.951	4.951	0.000	96	175314	10.0	8.64	
	18 Vinyl bromide	106	5.188	5.188	0.000	98	183306	2.00	2.30	
	19 2-Methylbutane	43	5.242	5.242	0.000	90	221008	2.00	2.17	
	20 Trichlorofluoromethane	101	5.478	5.478	0.000	100	521129	2.00	2.19	
	21 Acrolein	56	5.484	5.484	0.000	90	66345	2.00	2.44	
	22 Acetonitrile	40	5.554	5.554	0.000	100	81487	2.00	2.21	
	23 Acetone	58	5.602	5.602	0.000	97	276648	6.00	5.95	
	24 Isopropyl alcohol	45	5.683	5.683	0.000	92	733195	6.00	6.74	
	25 Pentane	72	5.715	5.715	0.000	97	32042	2.00	2.31	
	26 Ethyl ether	31	5.882	5.882	0.000	96	199229	2.00	2.28	
	27 1,1-Dichloroethene	96	6.232	6.232	0.000	97	190733	2.00	2.25	
	29 2-Methyl-2-propanol	59	6.318	6.318	0.000	95	330173	2.00	2.33	
	28 Acrylonitrile	53	6.345	6.345	0.000	96	149312	2.00	2.22	
	30 112TCTFE	101	6.420	6.420	0.000	95	434566	2.00	2.28	
	31 Methylene Chloride	84	6.603	6.603	0.000	98	179800	2.00	2.00	
	32 3-Chloro-1-propene	39	6.619	6.619	0.000	96	163203	2.00	2.27	

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	6.780	6.780	0.000	98	544335	2.00	2.38	
34 trans-1,2-Dichloroethene	96	7.453	7.453	0.000	98	194897	2.00	2.28	
35 2-Methylpentane	43	7.469	7.469	0.000	95	431701	2.00	2.33	
36 Methyl tert-butyl ether	73	7.566	7.566	0.000	97	508126	2.00	2.33	
37 1,1-Dichloroethane	63	7.894	7.894	0.000	100	370570	2.00	2.22	
38 Vinyl acetate	43	7.985	7.985	0.000	100	434162	2.00	2.08	
39 2-Butanone (MEK)	72	8.448	8.448	0.000	98	89213	2.00	2.15	
40 Hexane	56	8.486	8.486	0.000	92	163759	2.00	2.26	
41 Isopropyl ether	45	8.636	8.636	0.000	98	671367	2.00	2.37	
42 cis-1,2-Dichloroethene	96	8.911	8.911	0.000	95	203718	2.00	2.32	
43 Ethyl acetate	43	9.077	9.077	0.000	99	434683	2.00	2.26	
44 Chloroform	83	9.266	9.266	0.000	96	422236	2.00	2.15	
45 Tert-butyl ethyl ether	59	9.330	9.330	0.000	95	631725	2.00	2.42	
46 Tetrahydrofuran	42	9.648	9.648	0.000	94	216047	2.00	2.30	
47 1,1,1-Trichloroethane	97	10.315	10.315	0.000	96	425072	2.00	2.28	
48 1,2-Dichloroethane	62	10.422	10.422	0.000	97	277677	2.00	2.11	
49 n-Butanol	31	10.815	10.815	0.000	84	60240	2.00	2.21	
50 Cyclohexane	69	10.906	10.906	0.000	67	86594	2.00	2.35	
51 Benzene	78	10.906	10.906	0.000	97	581046	2.00	2.25	
52 Carbon tetrachloride	117	10.928	10.928	0.000	97	436588	2.00	2.51	
53 2,3-Dimethylpentane	71	11.009	11.009	0.000	91	129924	2.00	2.48	
54 Thiophene	84	11.175	11.175	0.000	96	350314	2.00	2.40	
55 Isooctane	57	11.643	11.643	0.000	99	970562	2.00	2.33	
56 n-Heptane	71	12.009	12.009	0.000	91	193087	2.00	2.45	
57 1,2-Dichloropropane	63	12.106	12.106	0.000	90	230881	2.00	2.26	
58 Trichloroethene	130	12.138	12.138	0.000	97	262217	2.00	2.29	
59 Dibromomethane	93	12.224	12.224	0.000	95	250017	2.00	2.29	
61 1,4-Dioxane	88	12.359	12.359	0.000	90	85501	2.00	2.38	
60 Dichlorobromomethane	83	12.364	12.364	0.000	99	432044	2.00	2.43	
62 Methyl methacrylate	41	12.434	12.434	0.000	94	245245	2.00	2.27	
63 Methylcyclohexane	83	12.892	12.892	0.000	96	351450	2.00	2.26	
64 4-Methyl-2-pentanone (MIBK)	43	13.268	13.268	0.000	97	450611	2.00	2.32	
65 cis-1,3-Dichloropropene	75	13.343	13.343	0.000	94	334414	2.00	2.47	
66 trans-1,3-Dichloropropene	75	14.027	14.027	0.000	99	297361	2.00	2.56	
67 Toluene	91	14.156	14.156	0.000	91	709138	2.00	2.32	
68 1,1,2-Trichloroethane	83	14.231	14.231	0.000	98	219617	2.00	2.31	
69 2-Hexanone	58	14.586	14.586	0.000	94	233777	2.00	2.46	
70 n-Octane	85	14.812	14.812	0.000	93	211930	2.00	2.44	
71 Chlorodibromomethane	129	14.925	14.925	0.000	98	435086	2.00	2.60	
72 Ethylene Dibromide	107	15.216	15.216	0.000	98	397505	2.00	2.36	
73 Tetrachloroethene	129	15.280	15.280	0.000	96	255971	2.00	2.31	
74 2,3-Dimethylheptane	43	16.146	16.146	0.000	95	643407	2.00	2.34	
75 Chlorobenzene	112	16.146	16.146	0.000	89	564683	2.00	2.30	
76 Ethylbenzene	91	16.426	16.426	0.000	98	927042	2.00	2.42	
77 m-Xylene & p-Xylene	91	16.582	16.582	0.000	98	1442679	4.00	4.98	
78 n-Nonane	57	16.985	16.985	0.000	91	471250	2.00	2.42	
79 Bromoform	173	17.050	17.050	0.000	93	401607	2.00	2.72	
80 Styrene	104	17.055	17.055	0.000	98	544055	2.00	2.62	
81 o-Xylene	91	17.115	17.115	0.000	99	773264	2.00	2.36	
82 1,1,2,2-Tetrachloroethane	83	17.443	17.443	0.000	99	587880	2.00	2.33	
83 1,2,3-Trichloropropane	110	17.609	17.609	0.000	98	154389	2.00	2.27	
84 Isopropylbenzene	105	17.706	17.706	0.000	95	1039642	2.00	2.38	

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	18.239	0.000	99	282341	2.00	2.38	
86 2-Chlorotoluene	126	18.287	18.287	0.000	97	267201	2.00	2.38	
87 4-Ethyltoluene	105	18.384	18.384	0.000	99	1075349	2.00	2.34	
88 1,3,5-Trimethylbenzene	120	18.454	18.454	0.000	93	432462	2.00	2.39	
89 Alpha Methyl Styrene	118	18.685	18.685	0.000	89	418202	2.00	2.16	
90 n-Decane	57	18.728	18.728	0.000	90	639881	2.00	2.29	
91 tert-Butylbenzene	119	18.879	18.879	0.000	91	929513	2.00	2.33	
92 1,2,4-Trimethylbenzene	105	18.890	18.890	0.000	96	907608	2.00	2.38	
93 sec-Butylbenzene	105	19.143	19.143	0.000	99	1330033	2.00	2.39	
94 1,3-Dichlorobenzene	146	19.164	19.164	0.000	99	589433	2.00	2.24	
95 Benzyl chloride	91	19.234	19.234	0.000	98	728668	2.00	2.56	
96 1,4-Dichlorobenzene	146	19.250	19.250	0.000	95	583524	2.00	2.25	
97 4-Isopropyltoluene	119	19.299	19.299	0.000	97	1101942	2.00	2.42	
98 1,2,3-Trimethylbenzene	105	19.358	19.358	0.000	99	936331	2.00	2.41	
99 Butylcyclohexane	83	19.406	19.406	0.000	95	751166	2.00	2.38	
100 2,3-Dihydroindene	117	19.605	19.605	0.000	95	866715	2.00	2.47	
101 1,2-Dichlorobenzene	146	19.605	19.605	0.000	97	582474	2.00	2.23	
102 n-Butylbenzene	91	19.729	19.729	0.000	98	1112195	2.00	2.36	
103 Indene	116	19.734	19.734	0.000	91	749555	2.00	2.41	
104 Undecane	57	20.019	20.019	0.000	95	741185	2.00	2.33	
105 1,2-Dibromo-3-Chloropropane	157	20.202	20.202	0.000	98	284599	2.00	2.46	
106 1,2,4,5-Tetramethylbenzene	119	20.482	20.482	0.000	97	1043700	2.00	2.59	
107 Dodecane	57	21.101	21.101	0.000	97	769265	2.00	2.37	
108 1,2,4-Trichlorobenzene	180	21.332	21.332	0.000	94	428965	2.00	2.18	
109 Naphthalene	128	21.483	21.483	0.000	99	1096022	2.00	2.35	
110 Hexachlorobutadiene	225	21.666	21.666	0.000	95	389331	2.00	2.14	
111 1,2,3-Trichlorobenzene	180	21.730	21.730	0.000	95	313940	2.00	2.06	
112 2-Methylnaphthalene	142	22.284	22.284	0.000	99	187177	2.00	2.20	
113 1-Methylnaphthalene	142	22.408	22.408	0.000	100	248110	2.00	2.05	
A 115 C8 Range	1	14.812	(14.764-14.860)		0	1936677	2.00	2.25	
S 116 Xylenes, Total	100				0		6.00	7.34	
S 117 1,2-Dichloroethene, Total	1				0		4.00	4.60	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent
40CV101P_00132	Amount Added: 100.00	Units: ml	

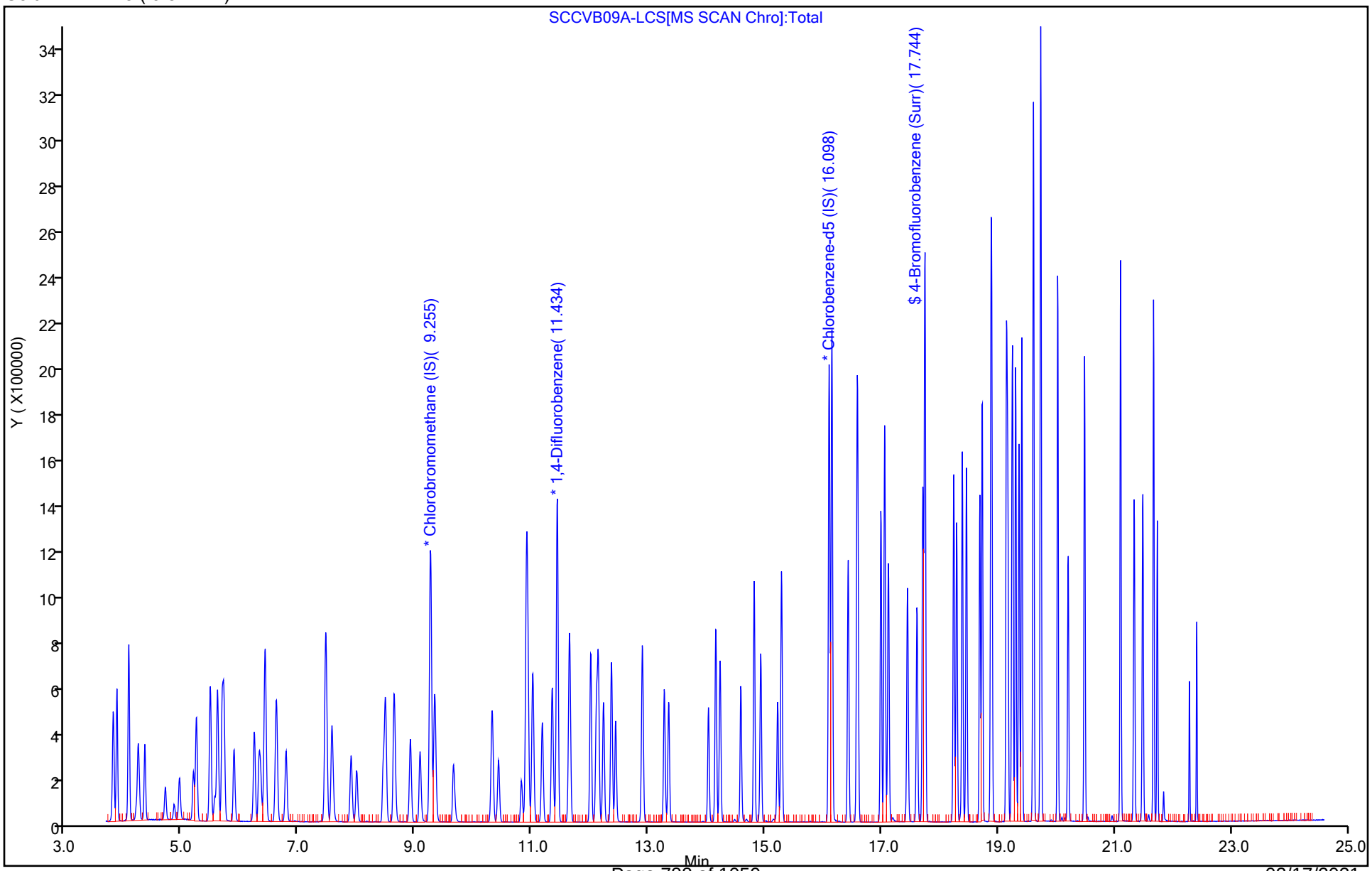
Report Date: 10-Feb-2021 10:52:57 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins Environment Testing America

Data File: \\chromfs\Knoxville\ChromData\MS\20210208-18147.b\SCCVB09A-LCS.d

Injection Date:	09-Feb-2021 10:43:30	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#:	15
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\20210208-18147.b\SCCVB09A-LCS.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	09-Feb-2021 10:43:30	ALS Bottle#:	15	Worklist Smp#:	1002
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018147-002				
Misc. Info.:	P132 100ML				
Operator ID:	HMT	Instrument ID:	MS		
Method:	\\chromfs\Knoxville\ChromData\MS\20210208-18147.b\MS_TO15A.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	10-Feb-2021 10:52:54	Calib Date:	21-Jan-2021 08:11:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MS\20210118-17951.b\SA20IC08R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1610				

First Level Reviewer: khachitpongpanits Date: 10-Feb-2021 10:52:54

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.69	101.05

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-46842/1002

Matrix: Air Lab File ID: HCCVB11-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/11/2021 08:58

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.: 46842 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	133.41	2.09		0.080	0.037
79-34-5	1,1,2,2-Tetrachloroethane	167.85	2.31		0.080	0.014
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	187.38	2.22		0.080	0.0080
79-00-5	1,1,2-Trichloroethane	133.41	2.21		0.080	0.0070
75-34-3	1,1-Dichloroethane	98.96	2.23		0.080	0.0070
75-35-4	1,1-Dichloroethene	96.94	2.15		0.040	0.0080
526-73-8	1,2,3-Trimethylbenzene	120.19	1.66		0.080	0.036
120-82-1	1,2,4-Trichlorobenzene	181.45	2.57		0.080	0.064
95-63-6	1,2,4-Trimethylbenzene	120.20	2.32		0.080	0.020
106-93-4	1,2-Dibromoethane (EDB)	187.87	2.21		0.080	0.0070
76-14-2	1,2-Dichloro-1,1,2,2-tetrafluoroethane	170.92	2.45		0.080	0.012
95-50-1	1,2-Dichlorobenzene	147.00	2.24		0.080	0.031
107-06-2	1,2-Dichloroethane	98.96	2.11		0.080	0.010
78-87-5	1,2-Dichloropropane	112.99	2.21		0.080	0.010
108-67-8	1,3,5-Trimethylbenzene	120.20	2.55		0.080	0.022
106-99-0	1,3-Butadiene	54.09	2.44		0.16	0.019
541-73-1	1,3-Dichlorobenzene	147.00	2.21		0.080	0.016
106-46-7	1,4-Dichlorobenzene	147.00	2.15		0.080	0.016
123-91-1	1,4-Dioxane	88.11	2.02		0.20	0.030
90-12-0	1-Methylnaphthalene	142.20	1.82		1.0	0.26
540-84-1	2,2,4-Trimethylpentane	114.23	2.23		0.20	0.0080
78-93-3	2-Butanone (MEK)	72.11	2.11		0.32	0.073
95-49-8	2-Chlorotoluene	126.59	2.24		0.16	0.016
591-78-6	2-Hexanone	100.20	2.23		0.20	0.016
91-57-6	2-Methylnaphthalene	142.20	2.06		1.0	0.27
107-05-1	3-Chloropropene	76.53	2.13		0.080	0.023
622-96-8	4-Ethyltoluene	120.20	2.17		0.16	0.021
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	2.17		0.20	0.054
67-64-1	Acetone	58.08	2.08		2.0	0.57
71-43-2	Benzene	78.11	2.23		0.080	0.0080
100-44-7	Benzyl chloride	126.58	2.36		0.16	0.038
75-27-4	Bromodichloromethane	163.83	2.19		0.080	0.018
75-25-2	Bromoform	252.75	2.27		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-46842/1002

Matrix: Air Lab File ID: HCCVB11-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/11/2021 08:58

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.: 46842 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
74-83-9	Bromomethane	94.94	2.46		0.080	0.022
106-97-8	Butane	58.12	2.47		0.16	0.083
75-15-0	Carbon disulfide	76.14	2.23		0.20	0.011
56-23-5	Carbon tetrachloride	153.81	2.28		0.032	0.0070
108-90-7	Chlorobenzene	112.56	2.20		0.080	0.0060
75-00-3	Chloroethane	64.52	2.42		0.080	0.029
67-66-3	Chloroform	119.38	2.15		0.080	0.0070
74-87-3	Chloromethane	50.49	2.39		0.20	0.066
156-59-2	cis-1,2-Dichloroethene	96.94	2.23		0.040	0.010
10061-01-5	cis-1,3-Dichloropropene	110.97	2.23		0.080	0.016
110-82-7	Cyclohexane	84.16	2.20		0.20	0.023
124-18-5	Decane	142.28	2.42		0.40	0.038
124-48-1	Dibromochloromethane	208.28	2.30		0.080	0.0070
75-71-8	Dichlorodifluoromethane	120.91	2.21		0.080	0.014
112-40-3	Dodecane	170.33	2.55		0.40	0.064
64-17-5	Ethanol	46.07	8.25		2.0	0.87
100-41-4	Ethylbenzene	106.17	2.23		0.080	0.013
142-82-5	Heptane	100.21	2.21		0.20	0.014
87-68-3	Hexachlorobutadiene	260.76	2.63		0.080	0.032
110-54-3	Hexane	86.17	2.17		0.20	0.013
67-63-0	Isopropyl alcohol	60.10	2.51		0.80	0.22
1634-04-4	Methyl tert-butyl ether	88.15	2.25		0.16	0.052
75-09-2	Methylene Chloride	84.93	2.22		0.40	0.39
179601-23-1	m-Xylene & p-Xylene	106.17	4.56		0.080	0.029
91-20-3	Naphthalene	128.17	2.61		0.20	0.076
111-84-2	Nonane	128.26	2.26		0.20	0.018
111-65-9	Octane	114.23	2.30		0.16	0.016
95-47-6	o-Xylene	106.17	2.21		0.080	0.015
109-66-0	Pentane	72.15	2.24		0.40	0.079
100-42-5	Styrene	104.15	2.29		0.080	0.024
75-65-0	tert-Butyl alcohol	74.12	2.16		0.32	0.088
127-18-4	Tetrachloroethene	165.83	2.20		0.080	0.0070
108-88-3	Toluene	92.14	2.18		0.12	0.078
156-60-5	trans-1,2-Dichloroethene	96.94	2.19		0.080	0.0070
10061-02-6	trans-1,3-Dichloropropene	110.97	2.22		0.080	0.0090

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-46842/1002

Matrix: Air Lab File ID: HCCVB11-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 02/11/2021 08:58

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.: 46842 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
79-01-6	Trichloroethene	131.39	2.09		0.036	0.0060
75-69-4	Trichlorofluoromethane	137.37	2.17		0.080	0.011
1120-21-4	Undecane	156.31	2.58		0.40	0.048
593-60-2	Vinyl bromide	106.96	2.27		0.080	0.020
75-01-4	Vinyl chloride	62.50	2.45		0.040	0.026

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		60-140

Eurofins Environment Testing America
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HCCVB11-LCS.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 11-Feb-2021 08:58:30 ALS Bottle#: 20 Worklist Smp#: 1002
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0018175-002
Misc. Info.: S137 100ML
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20210210-18175.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Feb-2021 11:02:57 Calib Date: 09-Feb-2021 06:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1655

First Level Reviewer: khachitpongpanits Date: 12-Feb-2021 11:02:57

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	9.451	9.451	0.000	91	353503	4.80	4.80	
* 2 1,4-Difluorobenzene	114	11.679	11.679	0.000	94	1635050	4.80	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.408	16.408	0.000	86	1435865	4.80	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.031	18.031	0.000	94	1086822	4.64	4.56	
6 Chlorodifluoromethane	51	3.849	3.849	0.000	96	295613	2.00	2.28	
7 Propene	41	3.864	3.864	0.000	99	117518	2.00	2.22	
8 Dichlorodifluoromethane	85	3.921	3.921	0.000	100	593390	2.00	2.21	
9 Chloromethane	52	4.123	4.123	0.000	46	48657	2.00	2.39	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	4.128	4.128	0.000	91	480975	2.00	2.45	
11 Acetaldehyde	44	4.293	4.293	0.000	97	254059	10.0	10.5	
12 Vinyl chloride	62	4.314	4.314	0.000	99	195795	2.00	2.45	
14 Butadiene	54	4.407	4.407	0.000	71	121090	2.00	2.44	
13 Butane	43	4.407	4.407	0.000	83	211864	2.00	2.47	
15 Bromomethane	94	4.769	4.769	0.000	99	232845	2.00	2.46	
16 Chloroethane	64	4.929	4.929	0.000	97	80485	2.00	2.42	
17 Ethanol	31	5.017	5.017	0.000	94	244637	10.0	8.25	
18 Vinyl bromide	106	5.260	5.260	0.000	98	224100	2.00	2.27	
19 2-Methylbutane	43	5.317	5.317	0.000	92	185320	2.00	2.26	
20 Trichlorofluoromethane	101	5.554	5.554	0.000	99	557223	2.00	2.17	
21 Acrolein	56	5.565	5.565	0.000	90	63857	2.00	2.39	
22 Acetonitrile	40	5.637	5.637	0.000	100	64028	2.00	2.16	
23 Acetone	58	5.684	5.684	0.000	97	79965	2.00	2.08	
25 Isopropyl alcohol	45	5.766	5.766	0.000	95	227415	2.00	2.51	
24 Pentane	72	5.792	5.792	0.000	97	21682	2.00	2.24	
26 Ethyl ether	31	5.968	5.968	0.000	95	168752	2.00	2.26	
27 1,1-Dichloroethene	96	6.324	6.324	0.000	98	209485	2.00	2.15	
29 2-Methyl-2-propanol	59	6.402	6.402	0.000	95	253463	2.00	2.16	
28 Acrylonitrile	53	6.433	6.433	0.000	94	129319	2.00	2.23	
30 112TCTFE	101	6.505	6.505	0.000	96	480624	2.00	2.22	
31 Methylene Chloride	84	6.697	6.697	0.000	90	200430	2.00	2.22	
32 3-Chloro-1-propene	39	6.717	6.717	0.000	96	138277	2.00	2.13	

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	6.877	6.877	0.000	97	625177	2.00	2.23	
34 trans-1,2-Dichloroethene	96	7.560	7.560	0.000	99	210134	2.00	2.19	
35 2-Methylpentane	43	7.575	7.575	0.000	94	341306	2.00	2.07	
36 Methyl tert-butyl ether	73	7.673	7.673	0.000	97	475055	2.00	2.25	
37 1,1-Dichloroethane	63	8.025	8.025	0.000	99	369467	2.00	2.23	
38 Vinyl acetate	43	8.118	8.118	0.000	100	419868	2.00	2.29	
39 2-Butanone (MEK)	72	8.593	8.593	0.000	98	92919	2.00	2.11	
40 Hexane	56	8.635	8.635	0.000	92	129168	2.00	2.17	
41 Isopropyl ether	45	8.785	8.785	0.000	96	573833	2.00	2.25	
42 cis-1,2-Dichloroethene	96	9.090	9.090	0.000	93	226479	2.00	2.23	
43 Ethyl acetate	43	9.255	9.255	0.000	99	360853	2.00	2.07	
44 Chloroform	83	9.456	9.456	0.000	94	486509	2.00	2.15	
45 Tert-butyl ethyl ether	59	9.513	9.513	0.000	96	490859	2.00	2.08	
46 Tetrahydrofuran	42	9.860	9.860	0.000	89	186714	2.00	2.20	
47 1,1,1-Trichloroethane	97	10.542	10.542	0.000	96	432720	2.00	2.09	
48 1,2-Dichloroethane	62	10.656	10.656	0.000	98	271835	2.00	2.11	
49 n-Butanol	31	11.048	11.048	0.000	86	56625	2.00	1.93	
50 Cyclohexane	69	11.141	11.141	0.000	81	97965	2.00	2.20	
51 Benzene	78	11.147	11.147	0.000	95	673427	2.00	2.23	
52 Carbon tetrachloride	117	11.167	11.167	0.000	97	488372	2.00	2.28	
53 2,3-Dimethylpentane	71	11.245	11.245	0.000	92	129233	2.00	2.13	
54 Thiophene	84	11.420	11.420	0.000	92	374936	2.00	2.17	
55 Isooctane	57	11.886	11.886	0.000	98	920627	2.00	2.23	
56 n-Heptane	71	12.253	12.253	0.000	90	204828	2.00	2.21	
57 1,2-Dichloropropane	63	12.361	12.361	0.000	96	267733	2.00	2.21	
58 Trichloroethene	130	12.397	12.397	0.000	93	285535	2.00	2.09	
59 Dibromomethane	93	12.490	12.490	0.000	95	325626	2.00	2.22	
61 1,4-Dioxane	88	12.614	12.614	0.000	83	90740	2.00	2.02	
60 Dichlorobromomethane	83	12.630	12.630	0.000	98	502976	2.00	2.19	
62 Methyl methacrylate	41	12.687	12.687	0.000	95	222556	2.00	2.15	
63 Methylcyclohexane	83	13.162	13.162	0.000	95	477159	2.00	2.64	
64 4-Methyl-2-pentanone (MIBK)	43	13.539	13.539	0.000	97	431297	2.00	2.17	
65 cis-1,3-Dichloropropene	75	13.617	13.617	0.000	91	376840	2.00	2.23	
66 trans-1,3-Dichloropropene	75	14.310	14.310	0.000	96	332508	2.00	2.22	
67 Toluene	91	14.439	14.439	0.000	92	835390	2.00	2.18	
68 1,1,2-Trichloroethane	83	14.516	14.516	0.000	93	283885	2.00	2.21	
69 2-Hexanone	58	14.868	14.868	0.000	93	218426	2.00	2.23	
70 n-Octane	85	15.095	15.095	0.000	92	214497	2.00	2.30	
71 Chlorodibromomethane	129	15.224	15.224	0.000	97	534036	2.00	2.30	
72 Ethylene Dibromide	107	15.519	15.519	0.000	98	477717	2.00	2.21	
73 Tetrachloroethene	129	15.581	15.581	0.000	95	317676	2.00	2.20	
75 2,3-Dimethylheptane	43	16.444	16.444	0.000	95	573106	2.00	1.99	
74 Chlorobenzene	112	16.460	16.460	0.000	95	646429	2.00	2.20	
76 Ethylbenzene	91	16.734	16.734	0.000	98	1077448	2.00	2.23	
77 m-Xylene & p-Xylene	91	16.894	16.894	0.000	98	1749282	4.00	4.56	
78 n-Nonane	57	17.281	17.281	0.000	90	455502	2.00	2.26	
80 Styrene	104	17.364	17.364	0.000	98	608303	2.00	2.29	
79 Bromoform	173	17.364	17.364	0.000	94	578888	2.00	2.27	
81 o-Xylene	91	17.421	17.421	0.000	98	880700	2.00	2.21	
82 1,1,2,2-Tetrachloroethane	83	17.741	17.741	0.000	98	731501	2.00	2.31	
83 1,2,3-Trichloropropane	110	17.896	17.896	0.000	98	140924	2.00	2.23	
84 Isopropylbenzene	105	17.989	17.989	0.000	95	1175304	2.00	2.27	

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	18.501	18.501	0.000	99	313946	2.00	2.29	
86 2-Chlorotoluene	126	18.553	18.553	0.000	96	297591	2.00	2.24	
87 4-Ethyltoluene	105	18.641	18.641	0.000	99	1130393	2.00	2.17	
88 1,3,5-Trimethylbenzene	120	18.713	18.713	0.000	92	531067	2.00	2.55	
89 Alpha Methyl Styrene	118	18.935	18.935	0.000	88	475979	2.00	2.28	
90 n-Decane	57	18.966	18.966	0.000	90	639735	2.00	2.42	
91 tert-Butylbenzene	119	19.121	19.121	0.000	89	1067886	2.00	2.29	
92 1,2,4-Trimethylbenzene	105	19.137	19.137	0.000	96	1073933	2.00	2.32	
93 sec-Butylbenzene	105	19.380	19.380	0.000	98	1545188	2.00	2.33	
94 1,3-Dichlorobenzene	146	19.406	19.406	0.000	98	659387	2.00	2.21	
95 Benzyl chloride	91	19.478	19.478	0.000	98	759128	2.00	2.36	
96 1,4-Dichlorobenzene	146	19.488	19.488	0.000	95	626010	2.00	2.15	
97 4-Isopropyltoluene	119	19.535	19.535	0.000	97	1222956	2.00	2.37	
98 1,2,3-Trimethylbenzene	105	19.592	19.592	0.000	99	770306	2.00	1.66	
99 Butylcyclohexane	83	19.638	19.638	0.000	98	834155	2.00	2.23	
101 2,3-Dihydroindene	117	19.840	19.840	0.000	94	960393	2.00	2.22	
100 1,2-Dichlorobenzene	146	19.845	19.845	0.000	97	677703	2.00	2.24	
103 n-Butylbenzene	91	19.953	19.953	0.000	96	1426707	2.00	2.47	
102 Indene	116	19.969	19.969	0.000	93	693460	2.00	1.96	
104 Undecane	57	20.238	20.238	0.000	95	769119	2.00	2.58	
105 1,2-Dibromo-3-Chloropropane	157	20.434	20.434	0.000	97	283329	2.00	1.90	
106 1,2,4,5-Tetramethylbenzene	119	20.713	20.713	0.000	95	1109859	2.00	2.17	
107 Dodecane	57	21.328	21.328	0.000	97	792803	2.00	2.55	
108 1,2,4-Trichlorobenzene	180	21.571	21.571	0.000	94	600897	2.00	2.57	
109 Naphthalene	128	21.695	21.695	0.000	99	1371592	2.00	2.61	
110 Hexachlorobutadiene	225	21.850	21.850	0.000	90	854976	2.00	2.63	
111 1,2,3-Trichlorobenzene	180	21.912	21.912	0.000	94	633455	2.00	2.67	
112 2-Methylnaphthalene	142	22.445	22.445	0.000	98	247775	2.00	2.06	
113 1-Methylnaphthalene	142	22.574	22.574	0.000	98	344400	2.00	1.82	
A 115 C8 Range	1	15.100	(15.043-15.157)		0	1905693	2.00	2.26	
S 116 Xylenes, Total	100				0		6.00	6.77	
S 117 1,2-Dichloroethene, Total	1				0		4.00	4.42	
T 139 2-Methylthiophene TIC	97	14.594	14.594	0.000	97	659516	2.00	2.20	
T 142 3-Methylthiophene TIC	97	14.795	14.795	0.000	98	649673	2.00	2.17	
T 141 2-Ethylthiophene TIC	97	16.842	16.842	0.000	97	783995	2.00	2.62	
T 152 1,2-Dimethyl-4-Ethylbenzene TIC	119	20.320	20.320	0.000	97	905844	2.00	3.03	a
T 149 1,2,3,5-Tetramethylbenzene TIC	119	20.770	20.770	0.000	93	663321	2.00	2.22	
T 150 1,2,3,4-Tetramethylbenzene TIC	119	21.194	21.194	0.000	96	898103	2.00	3.00	a
T 151 Benzo(b)thiophene TIC	134	21.783	21.783	0.000	100	595874	2.00	1.99	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

40CV101S_00137	Amount Added: 100.00	Units: ml	
40MXISSUR_00001	Amount Added: 40.00	Units: mL	Run Reagent

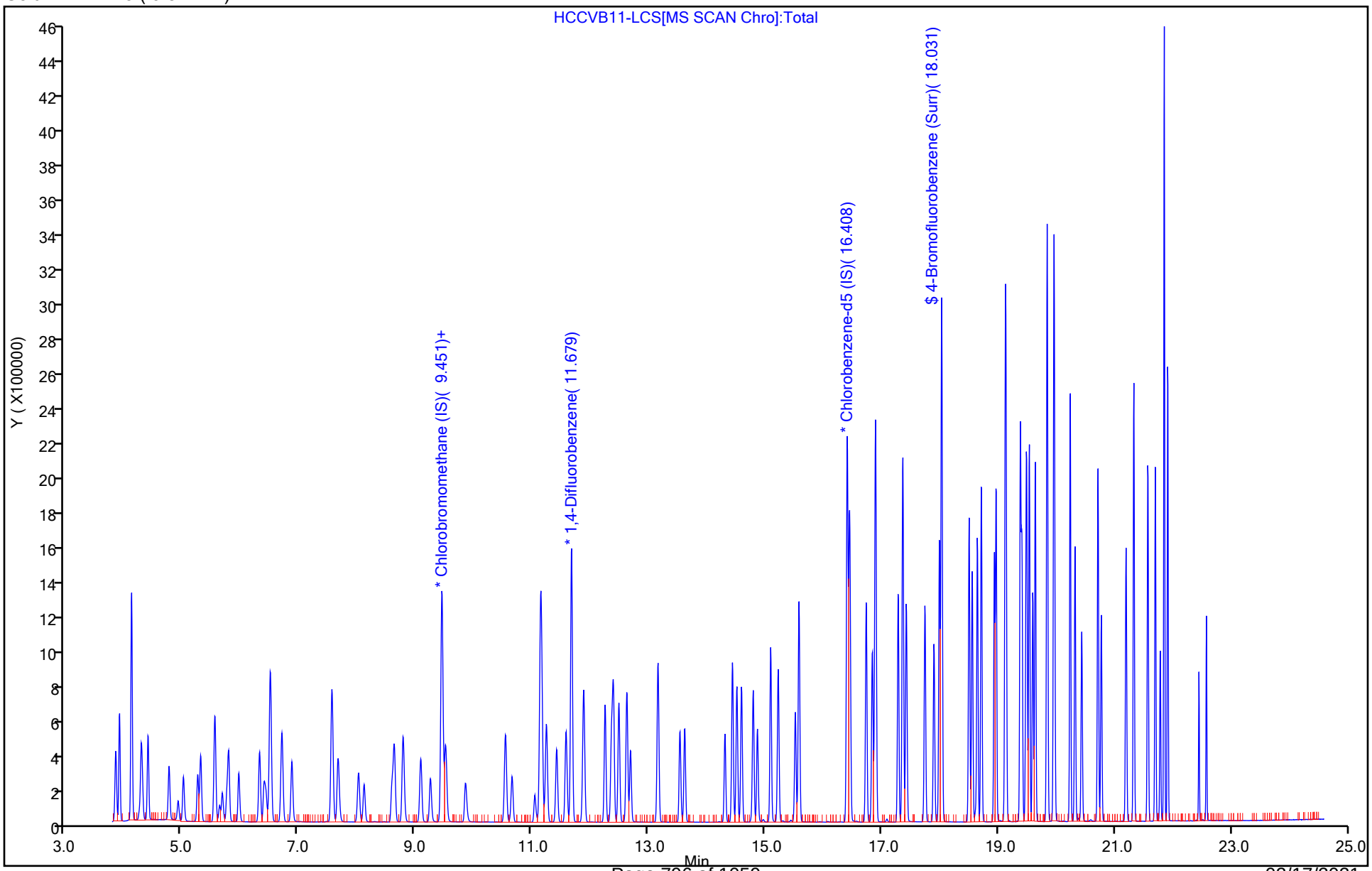
Report Date: 12-Feb-2021 11:03:00 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins Environment Testing America

Data File: \\chromfs\Knoxville\ChromData\MH\20210210-18175.b\HCCVB11-LCS.d

Injection Date:	11-Feb-2021 08:58:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	LCS			Worklist Smp#:	1002
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MH_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\MH\20210210-18175.b\HCCVB11-LCS.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	11-Feb-2021 08:58:30	ALS Bottle#:	20	Worklist Smp#:	1002
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0018175-002				
Misc. Info.:	S137 100ML				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20210210-18175.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Feb-2021 11:02:57	Calib Date:	09-Feb-2021 06:44:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20210208-18155.b\HXB08IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1655				

First Level Reviewer: khachitpongpanits Date: 12-Feb-2021 11:02:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.64	4.56	98.35

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Instrument ID: MS Start Date: 01/20/2021 13:40

Analysis Batch Number: 46159 End Date: 01/21/2021 08:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-46159/1		01/20/2021 13:40	1	SA20BFB.D	RTX-5 0.32(mm)
IC 140-46159/3		01/20/2021 15:02	1	SA20IC10.D	RTX-5 0.32(mm)
IC 140-46159/5		01/20/2021 16:49	1	SA20IC09.D	RTX-5 0.32(mm)
IC 140-46159/9		01/20/2021 20:22	1	SA20IC01.D	RTX-5 0.32(mm)
IC 140-46159/10		01/20/2021 21:14	1	SA20IC02.D	RTX-5 0.32(mm)
140-17848-A-1 MDLV		01/20/2021 21:14	1		RTX-5 0.32(mm)
ZZZZZ		01/20/2021 21:14	1		RTX-5 0.32(mm)
IC 140-46159/11		01/20/2021 22:07	1	SA20IC03.D	RTX-5 0.32(mm)
140-17848-A-2 MDLV		01/20/2021 22:07	1		RTX-5 0.32(mm)
ZZZZZ		01/20/2021 22:07	1		RTX-5 0.32(mm)
IC 140-46159/12		01/20/2021 23:01	1	SA20IC04.D	RTX-5 0.32(mm)
140-17848-A-3 MDLV		01/20/2021 23:01	1		RTX-5 0.32(mm)
ZZZZZ		01/20/2021 23:01	1		RTX-5 0.32(mm)
IC 140-46159/13		01/20/2021 23:54	1	SA20IC05.D	RTX-5 0.32(mm)
140-17848-A-4 MDLV		01/20/2021 23:54	1		RTX-5 0.32(mm)
ZZZZZ		01/20/2021 23:54	1		RTX-5 0.32(mm)
IC 140-46159/14		01/21/2021 00:48	1	SA20IC06.D	RTX-5 0.32(mm)
ICIS 140-46159/15		01/21/2021 01:41	1	SA20IC07.D	RTX-5 0.32(mm)
ICV 140-46159/17		01/21/2021 03:29	1	SA20ICV.D	RTX-5 0.32(mm)
ZZZZZ		01/21/2021 06:17	1		RTX-5 0.32(mm)
IC 140-46159/21		01/21/2021 08:11	1	SA20IC08R.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:	1/20/21	Instrument:	MS	Chrom WL #:	17951	TALS Batch & Event #	TO14/15: 2847 / 46159	DODX: 2850 / 46162
							DOD: 2848 / 46160	OHIO: 2849 / 46161

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? lvl 6,7 Cmpd #6 [Chrom]	✓	lv6,7 Cmpd #6.	✓
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	✓		✓
• 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]	✓	✓	✓		✓	NA	NA
18. If curves were used, is correlation coefficient ≥0.990? [F6]	✓	✓	✓		✓	NA	NA
19. Is the intercept less than the RL for each curve? [F6]	✓	✓	✓		✓	NA	NA
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: 1/21/21 **2nd Level Reviewer/Date:** AB 1/21/21

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	→	
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: 1/21/21 **2nd Level Reviewer/date:** AB 1/21/21

Comments: **Comments:**

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Instrument ID: MS Start Date: 02/09/2021 10:15

Analysis Batch Number: 46753 End Date: 02/10/2021 07:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-46753/1		02/09/2021 10:15	1	SBFBB09A.D	RTX-5 0.32(mm)
CCVIS 140-46753/2		02/09/2021 10:43	1	SCCVB09A.D	RTX-5 0.32(mm)
LCS 140-46753/1002		02/09/2021 10:43	1	SCCVB09A-LCS.d	RTX-5 0.32(mm)
MB 140-46753/4		02/09/2021 15:29	1	S500BB09.D	RTX-5 0.32(mm)
ZZZZZ		02/09/2021 17:02	26.02		RTX-5 0.32(mm)
ZZZZZ		02/09/2021 17:55	2.95		RTX-5 0.32(mm)
ZZZZZ		02/09/2021 18:50	7.61		RTX-5 0.32(mm)
ZZZZZ		02/09/2021 19:44	7.19		RTX-5 0.32(mm)
ZZZZZ		02/09/2021 20:38	1		RTX-5 0.32(mm)
ZZZZZ		02/09/2021 21:33	1		RTX-5 0.32(mm)
ZZZZZ		02/09/2021 22:26	1		RTX-5 0.32(mm)
ZZZZZ		02/09/2021 23:28	9.73		RTX-5 0.32(mm)
ZZZZZ		02/10/2021 00:22	1		RTX-5 0.32(mm)
ZZZZZ		02/10/2021 01:15	279.19		RTX-5 0.32(mm)
ZZZZZ		02/10/2021 02:13	1		RTX-5 0.32(mm)
140-21885-1	GPEC-SV306	02/10/2021 03:11	1	SB09P111.D	RTX-5 0.32(mm)
140-21885-2	GPEC-IA 306	02/10/2021 04:08	1	SB09P112.D	RTX-5 0.32(mm)
140-21885-3	GPEC-OA FACILITIES	02/10/2021 05:06	1	SB09P113.D	RTX-5 0.32(mm)
140-21885-4	GPEC-IA 327	02/10/2021 06:06	1	SB09P114.D	RTX-5 0.32(mm)
140-21885-5	GPEC-OA GATEHOUSE	02/10/2021 07:03	1	SB09P115.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 2/9/2021		Routine	DOD	OHIO VAP
CCAL Chrom WL #	18147	CCAL Batch #	46753		
ICAL Chrom WL #	17951	ICAL Batch # / Event #	46159 / 2847	/	/

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: Bromoform, Styrene	
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	NA		
• 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?	NA		
6. Has the RT been updated to the method?	✓		
Analyst/date Siphamm Ku 2/10/2021		**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 140-21894-1 / limited vol	✓	□ (1) Reporting Limit – Dilution, Matrix (NCM#_____) □ (2) Reporting Limit – Dilution, Non-Target (NCM#_____) □ (3) Issues with initial collection volume; see DRC. NCM 27592	
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?	NA	□ [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# 27569) □ 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# 27570) □ 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-		

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: Suphavana Vu	Date: 2/10/2021	2nd Level Reviewer :	Date:
Comments:		**Comments:**	
D ethanol line 10			
Cl acetone lines 16,17,18			
Example Calculation: 140-21886-5 PCE			
On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF			
7.018429 × 500/15 × 26.02 = 6087			

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 2/9/21		Routine	DOD5	OHIO VAP
CCAL Chrom WL #	18147	CCAL Batch #	46753	NA	NA
ICAL Chrom WL #	17951	ICAL Batch # / Event #	46159/2847	46162/2850	46161/2849

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 2/11/21**	

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#____)	**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)*			**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: 2/11/21**
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.: 140-21885-1

SDG No.:

Instrument ID: MH Start Date: 02/08/2021 19:32

Analysis Batch Number: 46776 End Date: 02/09/2021 08:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-46776/1		02/08/2021 19:32	1	HXB08BLK1.D	RTX-5 0.32(mm)
IC 140-46776/3		02/08/2021 20:24	1	HXB08IC10.D	RTX-5 0.32(mm)
IC 140-46776/5		02/08/2021 22:08	1	HXB08IC09.D	RTX-5 0.32(mm)
IC 140-46776/7		02/08/2021 23:53	1	HXB08IC08.D	RTX-5 0.32(mm)
IC 140-46776/9		02/09/2021 01:35	1	HXB08IC01.D	RTX-5 0.32(mm)
IC 140-46776/10		02/09/2021 02:25	1	HXB08IC02.D	RTX-5 0.32(mm)
IC 140-46776/11		02/09/2021 03:17	1	HXB08IC03.D	RTX-5 0.32(mm)
IC 140-46776/12		02/09/2021 04:09	1	HXB08IC04.D	RTX-5 0.32(mm)
IC 140-46776/13		02/09/2021 05:00	1	HXB08IC05.D	RTX-5 0.32(mm)
IC 140-46776/14		02/09/2021 05:52	1	HXB08IC06.D	RTX-5 0.32(mm)
ICIS 140-46776/15		02/09/2021 06:44	1	HXB08IC07.D	RTX-5 0.32(mm)
ICV 140-46776/17		02/09/2021 08:26	1	HXB08ICV.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:	2/8/21	Instrument:	MH	Chrom WL #:	18155	TALS Batch & Event #	TO14/15 2890 / 46776	DOD5: 2893 / 46779
							DOD: 2891 / 46777	OHIO: 2892 / 46778

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	IN	ICV	
• 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
21. Is low point RSE ≤ 50 %? [F6]	✓	✓	✓				
22. Is the second source analysis within limits? [F8 - icv]	✓	✓	✓				

Analyst/Date: 2/9/21 **2nd Level Reviewer/Date:**

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?	✓	✓					
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:	2nd Level Reviewer/date:
Comments:	Comments:

Eurofins/TestAmerica Knoxville GC/MS Air - Initial Calibration Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 20 & KNOX-MS-0023, Rev 4

Analysis Date:	2/8/21	Instrument:	MH	Chrom WL #:	18155	TALS Batch & Event #	TO14/15: 46776 /2890	DOD5: 46779/2893
							DOD: 46777 / 2891	OHIO: 46778/2892

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]			Y
4. Files linked properly to calibration levels? [Sample List- Lab ID vs. Info]			Y
5. Did BFB meet tune criteria? [F8]			Y
6. Were all standards injected within 24 hr of BFB? [F7]			Y
7. High point checked for saturation and point removed if so? [Chrom]			Y
8. If manual integrations performed, are they properly performed, correct, baseline clearly identified, and correct reason given? [Chrom]			Y
9. RT for each IS ±20 sec avg. RT? [F6 IstdRec]			Y
10. Area for each IS ± 40% avg. area? [F6 IstdRec]			Y
11. Each analyte ± 0.06 RRT of avg. RRT? [F6 - RRT]			Y
12. 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- and 1,2,3-trichlorobenzenes			Y
• 2-, and 1-methylnaphthalene			Y
13. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?			Y

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 ∑]					Y	Y	Y
15. Were at least 5 levels of each compound analyzed? [F6]					Y	Y	Y
16. Is low level std at or <RL and are the remaining points consec.? [F6]					Y	Y	Y
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]					Y	Y	Y
18. If curves were used, is correlation coefficient ≥0.990? [F6]					Y	Y	Y
19. Is the intercept less than the RL for each curve? [F6]					Y	Y	Y
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]					Y	Y	Y
22. Is the second source analysis within limits? [F8 - icv]					Y	Y	Y
Analyst/Date:	**2nd Level Reviewer/Date: LL 2/9/21**						

TALS Review	TO	DOD	OH	Comments	TO	DOD	OH
23. Upload ICAL					na	na	na
24. Graphics uploaded? [paperclip]					Y	Y	Y
25. All points are in the most recent active calibration event? [Calibration Events –'Fix ICAL linkage' if needed]					Y	Y	Y
26. Runs linked to BFB? [QC Links]					Y	Y	Y
27. Run Checklist and acknowledge findings [F8]					Y	Y	Y
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		Y	Y	Y
30. After verifying TALS is correct, lock method in Chrom <resolve any error issues>	na	na	na		Y	Y	Y
31. Checklist & Entech report scanned, attached & assigned properly?	na	na	na		Y	Y	Y

Analyst/date:	**2nd Level Reviewer/date: LL 2/9/21**
Comments:	**Comments:**

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21885-1

SDG No.:

Instrument ID: MH Start Date: 02/11/2021 08:31

Analysis Batch Number: 46842 End Date: 02/12/2021 03:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-46842/1		02/11/2021 08:31	1	HBFBB11.D	RTX-5 0.32(mm)
CCVIS 140-46842/2		02/11/2021 08:58	1	HCCVB11.D	RTX-5 0.32(mm)
LCS 140-46842/1002		02/11/2021 08:58	1	HCCVB11-LCS.d	RTX-5 0.32(mm)
MB 140-46842/4		02/11/2021 12:13	1	H500BB11.D	RTX-5 0.32(mm)
ZZZZZ		02/11/2021 13:20	1.84		RTX-5 0.32(mm)
ZZZZZ		02/11/2021 14:15	1.9		RTX-5 0.32(mm)
ZZZZZ		02/11/2021 15:09	1.9		RTX-5 0.32(mm)
ZZZZZ		02/11/2021 16:14	1.73		RTX-5 0.32(mm)
ZZZZZ		02/11/2021 17:20	1.73		RTX-5 0.32(mm)
ZZZZZ		02/11/2021 18:25	1.7		RTX-5 0.32(mm)
ZZZZZ		02/11/2021 19:29	1.78		RTX-5 0.32(mm)
ZZZZZ		02/11/2021 20:20	50.46		RTX-5 0.32(mm)
ZZZZZ		02/11/2021 21:12	50.63		RTX-5 0.32(mm)
ZZZZZ		02/11/2021 22:03	5.57		RTX-5 0.32(mm)
ZZZZZ		02/11/2021 22:55	1		RTX-5 0.32(mm)
ZZZZZ		02/11/2021 23:46	1		RTX-5 0.32(mm)
140-21885-1 DL	GPEC-SV306 DL	02/12/2021 00:38	1	HB11P106.D	RTX-5 0.32(mm)
140-21885-2 DL	GPEC-IA 306 DL	02/12/2021 01:29	1	HB11P107.D	RTX-5 0.32(mm)
140-21885-4 DL	GPEC-IA 327 DL	02/12/2021 02:21	1	HB11P108.D	RTX-5 0.32(mm)
140-21885-6	GPEC-XX 020421	02/12/2021 03:13	1	HB11P109.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	MH 2/11/2021		Routine	DOD	OHIO VAP
CCAL Chrom WL #	18175	CCAL Batch #	46842		
ICAL Chrom WL #	18155	ICAL Batch # / Event #	46776 / 2890	/	/

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: Naphthalene, Hexachlorobutadiene	
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?	NA		
6. Has the RT been updated to the method?	✓		
Analyst/date Suphanm Kl 2/12/2021		**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?	NA	□ 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# 27616)	
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# 27617) ☐ 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]	NA		
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-		

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: Suphannee Pa	**Date:** 2/12/2021	**2nd Level Reviewer :**	**Date:**
Comments:		**Comments:**	
1st level job 21895 2/12/21			

Example Calculation: 140-21917-2 1,1,1-TCA

On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF

6.438574 x 500/40 x 1.0 = 80

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	MH 2/11/21		Routine	DOD 5	OHIO VAP
CCAL Chrom WL #	18175	CCAL Batch #	46842	NA	NA
ICAL Chrom WL #	17903	ICAL Batch # / Event #	46026 /2835	46027/2836	46028/2837

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 2/12/21**	

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	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#_____)	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]			NA
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

Analyst:	Date:	2nd Level Reviewer : LL	Date: 2/12/21
Comments:		**Comments:**	
Example Calculation:			
On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF			

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

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxvill Job No.: 140-21885-1

SDG No.:

Batch Number: 46753 Batch Start Date: 02/09/21 10:15 Batch Analyst: Khachitpongpanit, Suphawa

Batch Method: TO 15 LL Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	InitialPressure	FinalPressure	40CV101P 00132	40MXBFB 00001
BFB 140-46753/1		TO 15 LL		500 mL	500 mL	1	1		40 mL
CCVIS 140-46753/2		TO 15 LL		500 mL	500 mL	1	1	100 mL	
MB 140-46753/4		TO 15 LL		500 mL	500 mL	1	1		
140-21885-A-1	GPEC-SV306	TO 15 LL	T	500 mL	500 mL	1	1		
140-21885-A-2	GPEC-IA 306	TO 15 LL	T	500 mL	500 mL	1	1		
140-21885-A-3	GPEC-OA FACILITIES	TO 15 LL	T	500 mL	500 mL	1	1		
140-21885-A-4	GPEC-IA 327	TO 15 LL	T	500 mL	500 mL	1	1		
140-21885-A-5	GPEC-OA GATEHOUSE	TO 15 LL	T	500 mL	500 mL	1	1		
LCS 140-46753/1002		TO 15 LL		500 mL	500 mL	1	1	100 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	40MXISSUR 00001					
BFB 140-46753/1		TO 15 LL							
CCVIS 140-46753/2		TO 15 LL		40 mL					
MB 140-46753/4		TO 15 LL		40 mL					
140-21885-A-1	GPEC-SV306	TO 15 LL	T	40 mL					
140-21885-A-2	GPEC-IA 306	TO 15 LL	T	40 mL					
140-21885-A-3	GPEC-OA FACILITIES	TO 15 LL	T	40 mL					
140-21885-A-4	GPEC-IA 327	TO 15 LL	T	40 mL					
140-21885-A-5	GPEC-OA GATEHOUSE	TO 15 LL	T	40 mL					
LCS 140-46753/1002		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.: 140-21885-1

SDG No.:

Batch Number: 46842 Batch Start Date: 02/11/21 08:31 Batch Analyst: Khachitpongpanit, Suphawa

Batch Method: TO 15 LL Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	InitialPressure	FinalPressure	40CV101S 00137	40MXBFB 00001
BFB 140-46842/1		TO 15 LL		500 mL	500 mL	1	1		40 mL
CCVIS 140-46842/2		TO 15 LL		500 mL	500 mL	1	1	100 mL	
MB 140-46842/4		TO 15 LL		500 mL	500 mL	1	1		
140-21885-A-1	GPEC-SV306	TO 15 LL	T	20 mL	500 mL	1	1		
140-21885-A-2	GPEC-IA 306	TO 15 LL	T	40 mL	500 mL	1	1		
140-21885-A-4	GPEC-IA 327	TO 15 LL	T	25 mL	500 mL	1	1		
140-21885-A-6	GPEC-XX 020421	TO 15 LL	T	30 mL	500 mL	1	1		
LCS 140-46842/1002		TO 15 LL		500 mL	500 mL	1	1	100 mL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	40MXISSUR 00001					
BFB 140-46842/1		TO 15 LL							
CCVIS 140-46842/2		TO 15 LL		40 mL					
MB 140-46842/4		TO 15 LL		40 mL					
140-21885-A-1	GPEC-SV306	TO 15 LL	T	40 mL					
140-21885-A-2	GPEC-IA 306	TO 15 LL	T	40 mL					
140-21885-A-4	GPEC-IA 327	TO 15 LL	T	40 mL					
140-21885-A-6	GPEC-XX 020421	TO 15 LL	T	40 mL					
LCS 140-46842/1002		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.

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21567-1

SDG No.:

Client Sample ID: 09729 Lab Sample ID: 140-21567-1

Matrix: Air Lab File ID: 21567BK01.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 03:51

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.: 45788 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.: 140-21567-1

SDG No.:

Client Sample ID: 09729 Lab Sample ID: 140-21567-1

Matrix: Air Lab File ID: 21567BK01.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 03:51

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.: 45788 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.: 140-21567-1

SDG No.:

Client Sample ID: 09729 Lab Sample ID: 140-21567-1

Matrix: Air Lab File ID: 21567BK01.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 03:51

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.: 45788 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.: 140-21567-1

SDG No.:

Client Sample ID: 09729 Lab Sample ID: 140-21567-1

Matrix: Air Lab File ID: 21567BK01.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 03:51

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.: 45788 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\20210105-17814.b\21567BK01.D				
Lims ID:	140-21567-A-1				
Client ID:	09729				
Sample Type:	Client				
Inject. Date:	07-Jan-2021 03:51:30	ALS Bottle#:	2	Worklist Smp#:	24
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017814-024				
Misc. Info.:	09729				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210105-17814.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	07-Jan-2021 16:59:22	Calib Date:	17-Dec-2020 08:26:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20201216-17637.b\RL16IC02R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1661				
First Level Reviewer: khachitpongpanits		Date:	07-Jan-2021 16:59:22		

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
*	1 Chlorobromomethane (IS)	128	8.215	8.215	0.000	92	265889	4.80	
*	2 1,4-Difluorobenzene	114	10.431	10.431	0.000	95	1453420	4.80	
*	3 Chlorobenzene-d5 (IS)	117	15.273	15.274	-0.001	89	1205983	4.80	
$	4 4-Bromofluorobenzene (Surr)	95	16.929	16.929	0.000	81	879901	4.24	
	73 Tetrachloroethene	129	14.427	14.438	-0.011	81	1712	0.0150	

QC Flag Legend

Processing Flags

Reagents:

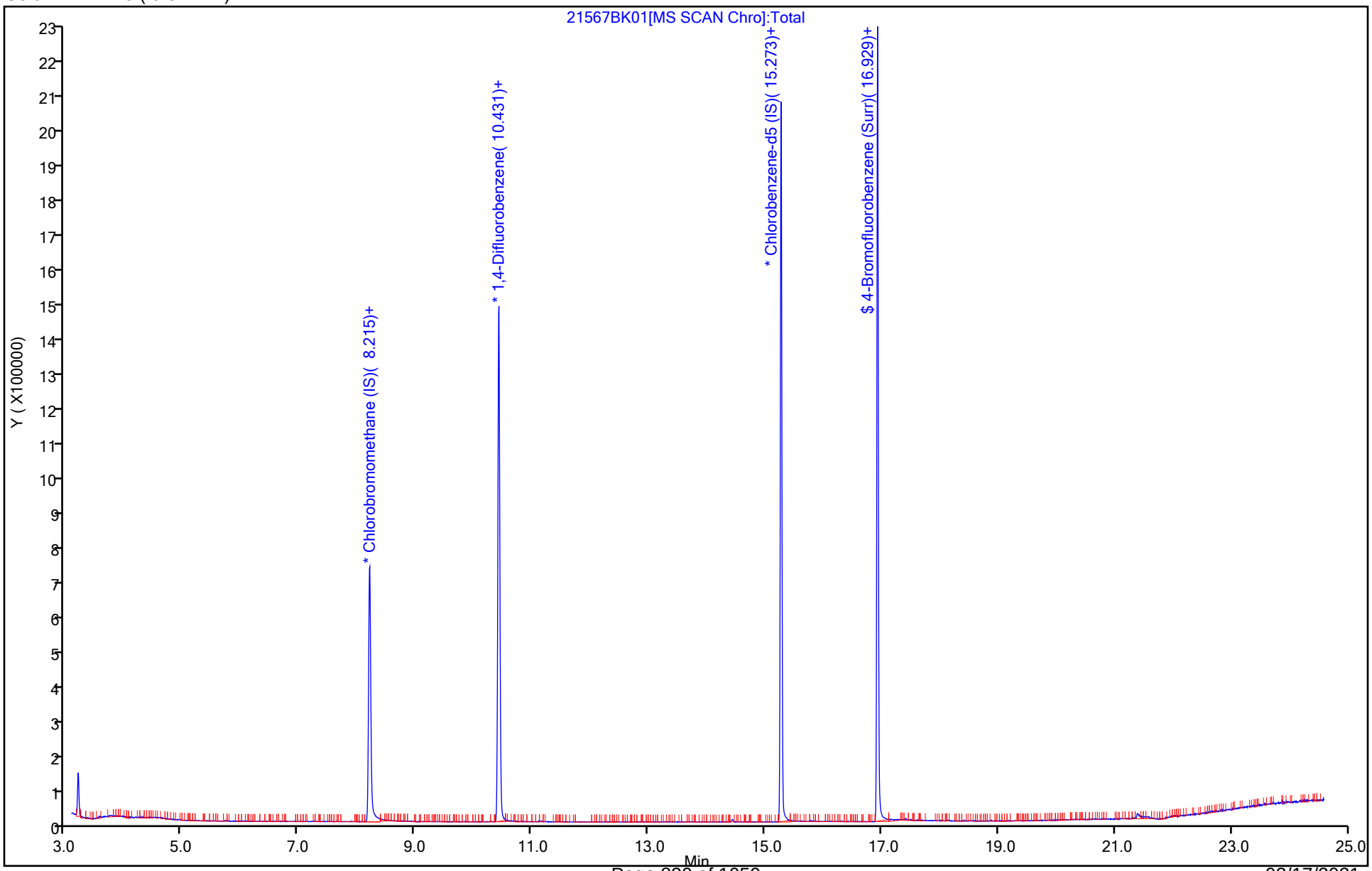
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 07-Jan-2021 16:59:22 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210105-17814.b\21567BK01.D				
Injection Date:	07-Jan-2021 03:51:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-21567-A-1	Lab Sample ID:	140-21567-1	Worklist Smp#:	24
Client ID:	09729				
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)



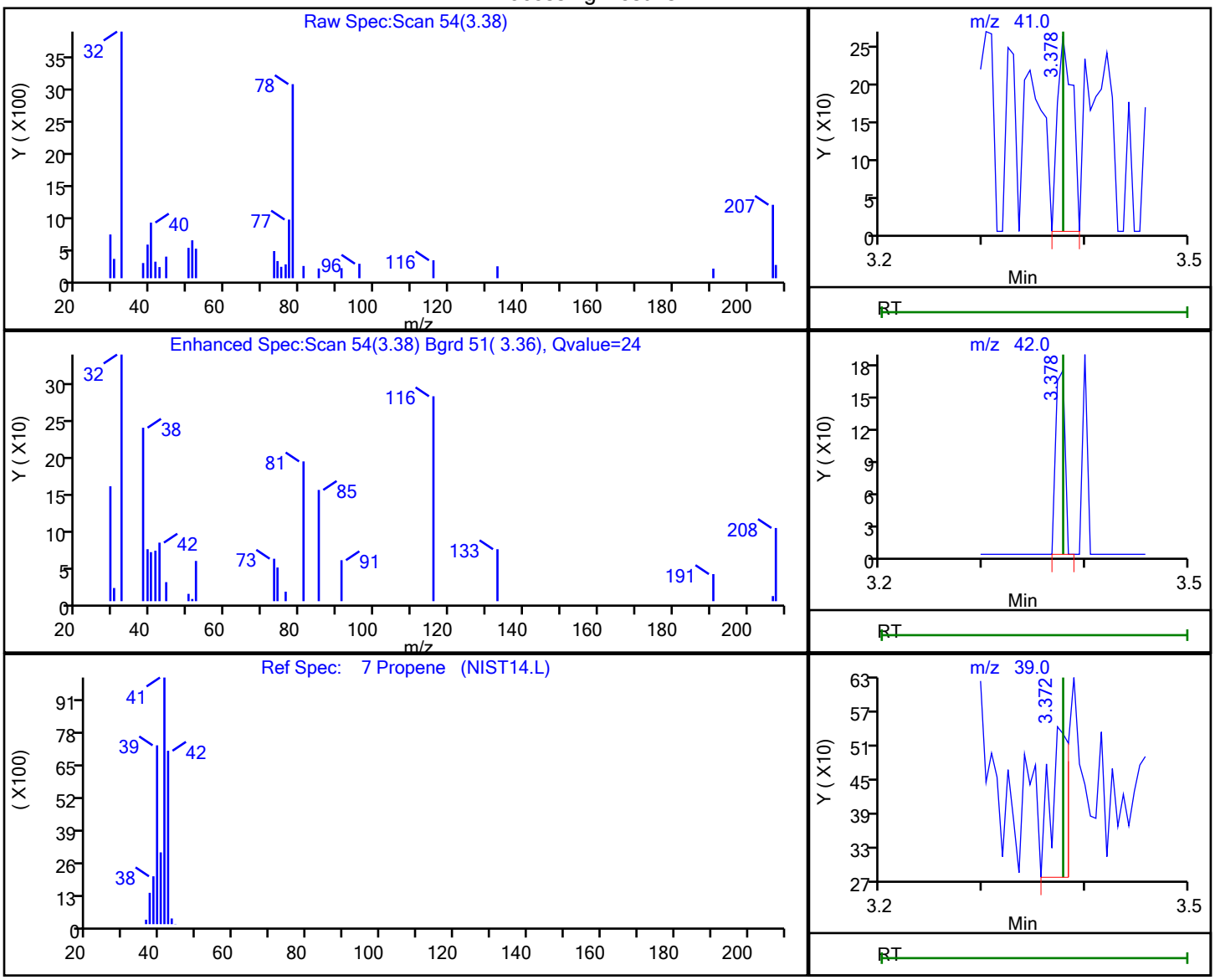
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210105-17814.b\21567BK01.D				
Injection Date:	07-Jan-2021 03:51:30	Instrument ID:	MR		
Lims ID:	140-21567-A-1	Lab Sample ID:	140-21567-1		
Client ID:	09729				
Operator ID:	HMT	ALS Bottle#:	2	Worklist Smp#:	24
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
3.38	41.00	264	0.003441
3.38	42.00	109	
3.37	39.00	322	

Reviewer: khachitpongpanits, 07-Jan-2021 16:58:46

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.: 140-21567-1

SDG No.:

Client Sample ID: 09974 Lab Sample ID: 140-21567-2

Matrix: Air Lab File ID: 21567BK02.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 04:43

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.: 45788 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.: 140-21567-1

SDG No.:

Client Sample ID: 09974 Lab Sample ID: 140-21567-2

Matrix: Air Lab File ID: 21567BK02.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 04:43

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.: 45788 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.: 140-21567-1

SDG No.:

Client Sample ID: 09974 Lab Sample ID: 140-21567-2

Matrix: Air Lab File ID: 21567BK02.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 04:43

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.: 45788 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.: 140-21567-1

SDG No.:

Client Sample ID: 09974 Lab Sample ID: 140-21567-2

Matrix: Air Lab File ID: 21567BK02.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 04:43

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.: 45788 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\20210105-17814.b\21567BK02.D				
Lims ID:	140-21567-A-2				
Client ID:	09974				
Sample Type:	Client				
Inject. Date:	07-Jan-2021 04:43:30	ALS Bottle#:	3	Worklist Smp#:	25
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017814-025				
Misc. Info.:	09974				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210105-17814.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	07-Jan-2021 17:22:43	Calib Date:	17-Dec-2020 08:26:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20201216-17637.b\RL16IC02R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1661				
First Level Reviewer: khachitpongpanits		Date:	07-Jan-2021 17:22:43		

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
*	1 Chlorobromomethane (IS)	128	8.209	8.215	-0.006	92	261925	4.80	
*	2 1,4-Difluorobenzene	114	10.426	10.431	-0.005	95	1432945	4.80	
*	3 Chlorobenzene-d5 (IS)	117	15.273	15.274	-0.001	89	1176486	4.80	
$	4 4-Bromofluorobenzene (Surr)	95	16.929	16.929	0.000	81	870065	4.30	

QC Flag Legend

Processing Flags

Reagents:

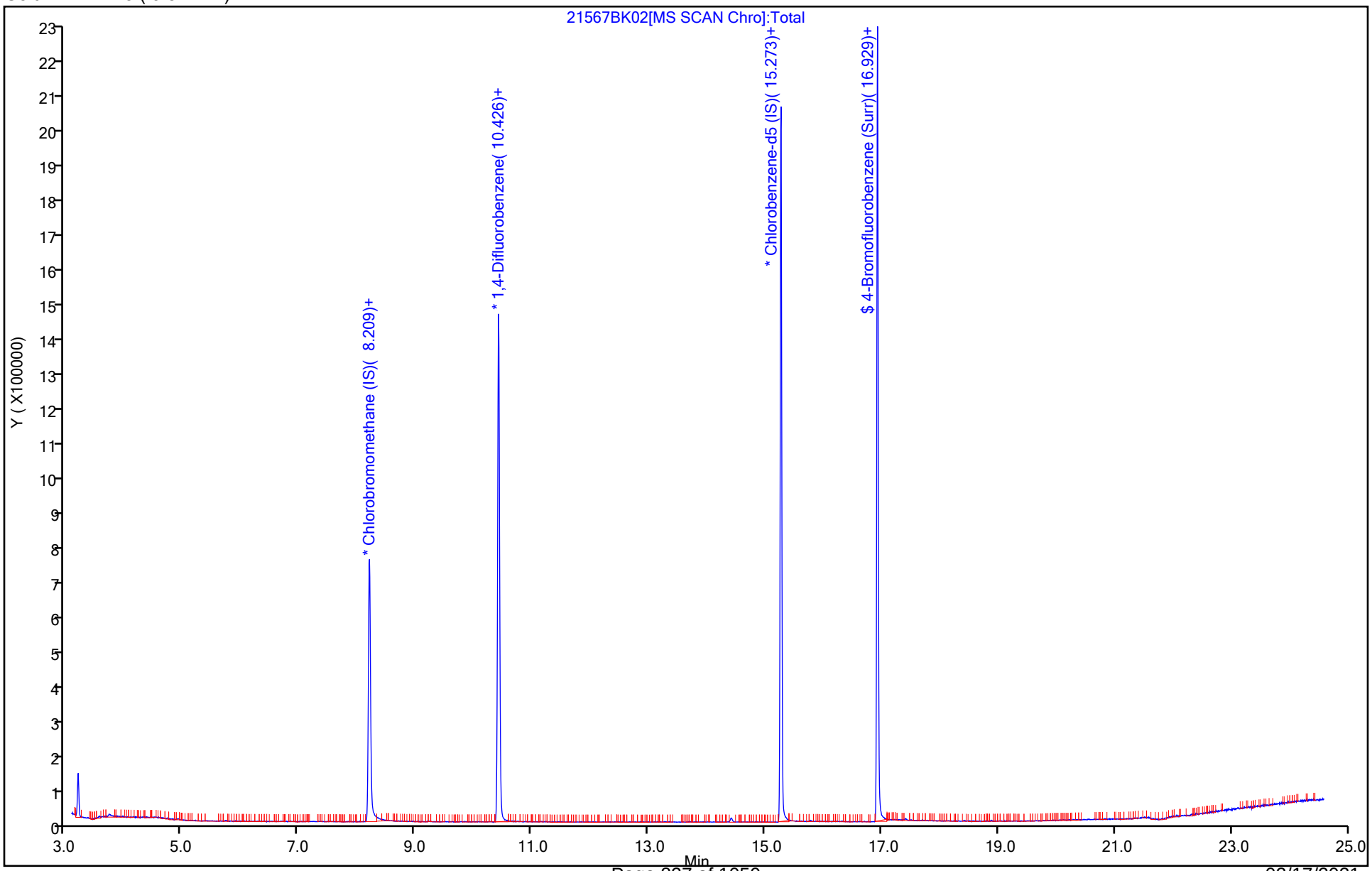
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 07-Jan-2021 17:22:44 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210105-17814.b\21567BK02.D				
Injection Date:	07-Jan-2021 04:43:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-21567-A-2	Lab Sample ID:	140-21567-2	Worklist Smp#:	25
Client ID:	09974				
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)



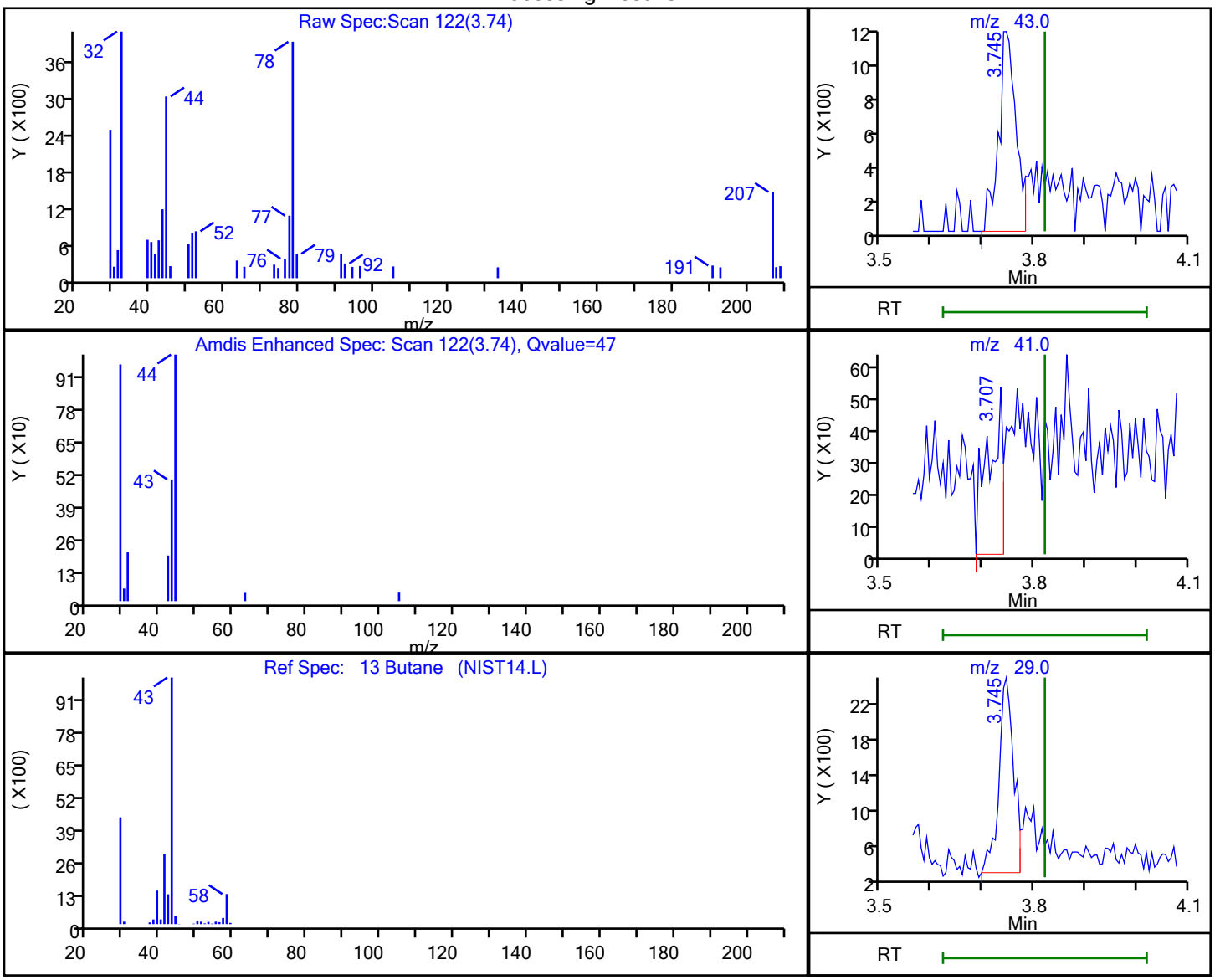
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210105-17814.b\21567BK02.D				
Injection Date:	07-Jan-2021 04:43:30	Instrument ID:	MR		
Lims ID:	140-21567-A-2	Lab Sample ID:	140-21567-2		
Client ID:	09974				
Operator ID:	HMT	ALS Bottle#:	3	Worklist Smp#:	25
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		

13 Butane, CAS: 106-97-8

Processing Results



RT	Mass	Response	Amount
3.74	43.00	2719	0.029656
3.71	41.00	1028	
3.74	29.00	4259	

Reviewer: khachitpongpanits, 07-Jan-2021 17:22:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

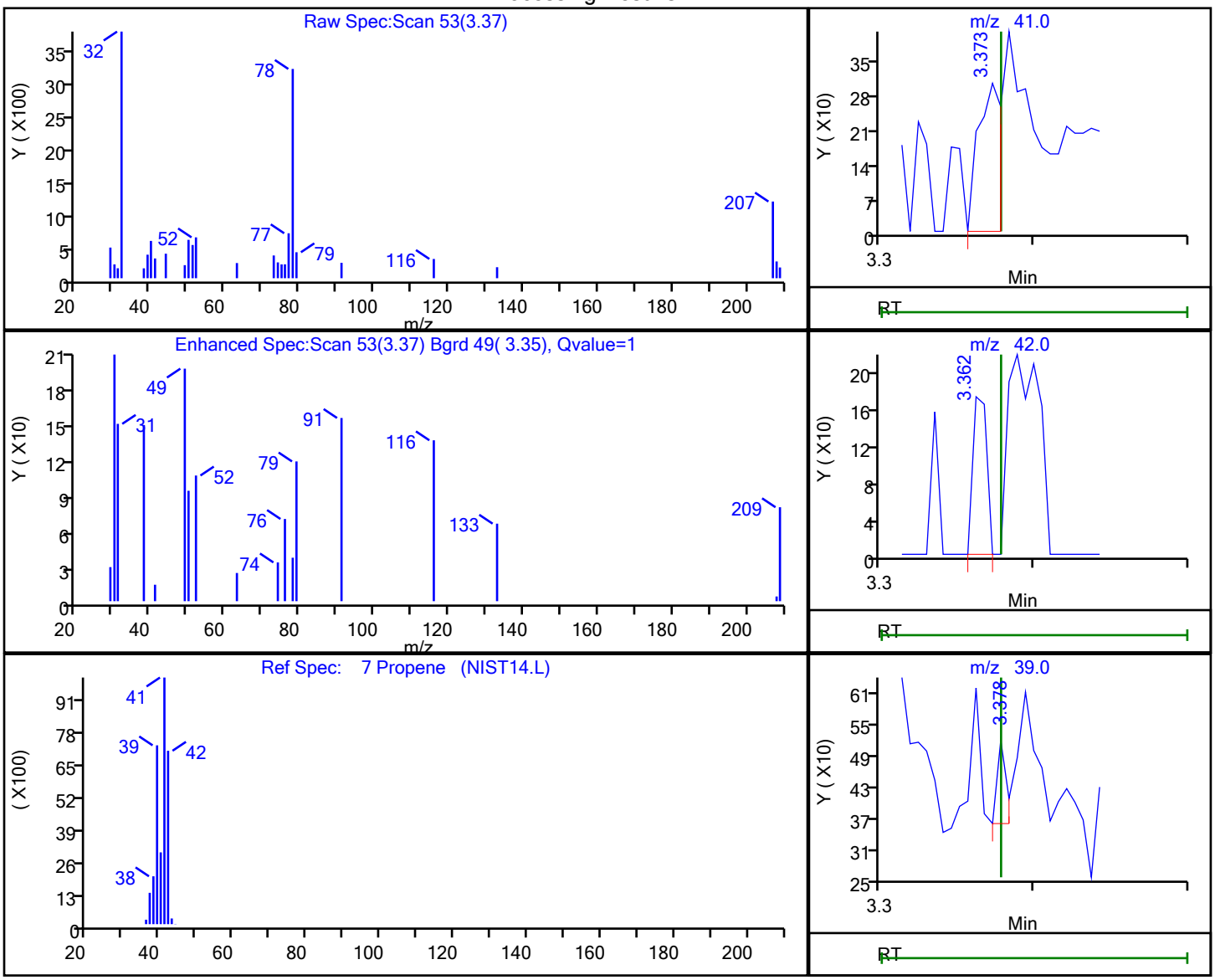
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210105-17814.b\21567BK02.D				
Injection Date:	07-Jan-2021 04:43:30	Instrument ID:	MR		
Lims ID:	140-21567-A-2	Lab Sample ID:	140-21567-2		
Client ID:	09974				
Operator ID:	HMT	ALS Bottle#:	3	Worklist Smp#:	25
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
3.37	41.00	320	0.004234
3.36	42.00	106	
3.38	39.00	67	

Reviewer: khachitpongpanits, 07-Jan-2021 17:22:11

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.: 140-21567-1

SDG No.:

Client Sample ID: 09606 Lab Sample ID: 140-21567-3

Matrix: Air Lab File ID: 21567BK03.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 05:34

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.: 45788 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.: 140-21567-1

SDG No.:

Client Sample ID: 09606 Lab Sample ID: 140-21567-3

Matrix: Air Lab File ID: 21567BK03.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 05:34

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.: 45788 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.: 140-21567-1

SDG No.:

Client Sample ID: 09606 Lab Sample ID: 140-21567-3

Matrix: Air Lab File ID: 21567BK03.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 05:34

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.: 45788 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.: 140-21567-1

SDG No.:

Client Sample ID: 09606 Lab Sample ID: 140-21567-3

Matrix: Air Lab File ID: 21567BK03.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 05:34

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.: 45788 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\20210105-17814.b\21567BK03.D				
Lims ID:	140-21567-A-3				
Client ID:	09606				
Sample Type:	Client				
Inject. Date:	07-Jan-2021 05:34:30	ALS Bottle#:	17	Worklist Smp#:	26
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017814-026				
Misc. Info.:	09606				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210105-17814.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	07-Jan-2021 07:55:04	Calib Date:	17-Dec-2020 08:26:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20201216-17637.b\RL16IC02R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1654				
First Level Reviewer: tajh		Date:	07-Jan-2021 07:55:04		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.215	8.215	0.000	93	262430	4.80	
* 2 1,4-Difluorobenzene	114	10.426	10.431	-0.005	95	1448481	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.274	15.274	0.000	92	1175891	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.929	16.929	0.000	81	872060	4.31	

Reagents:

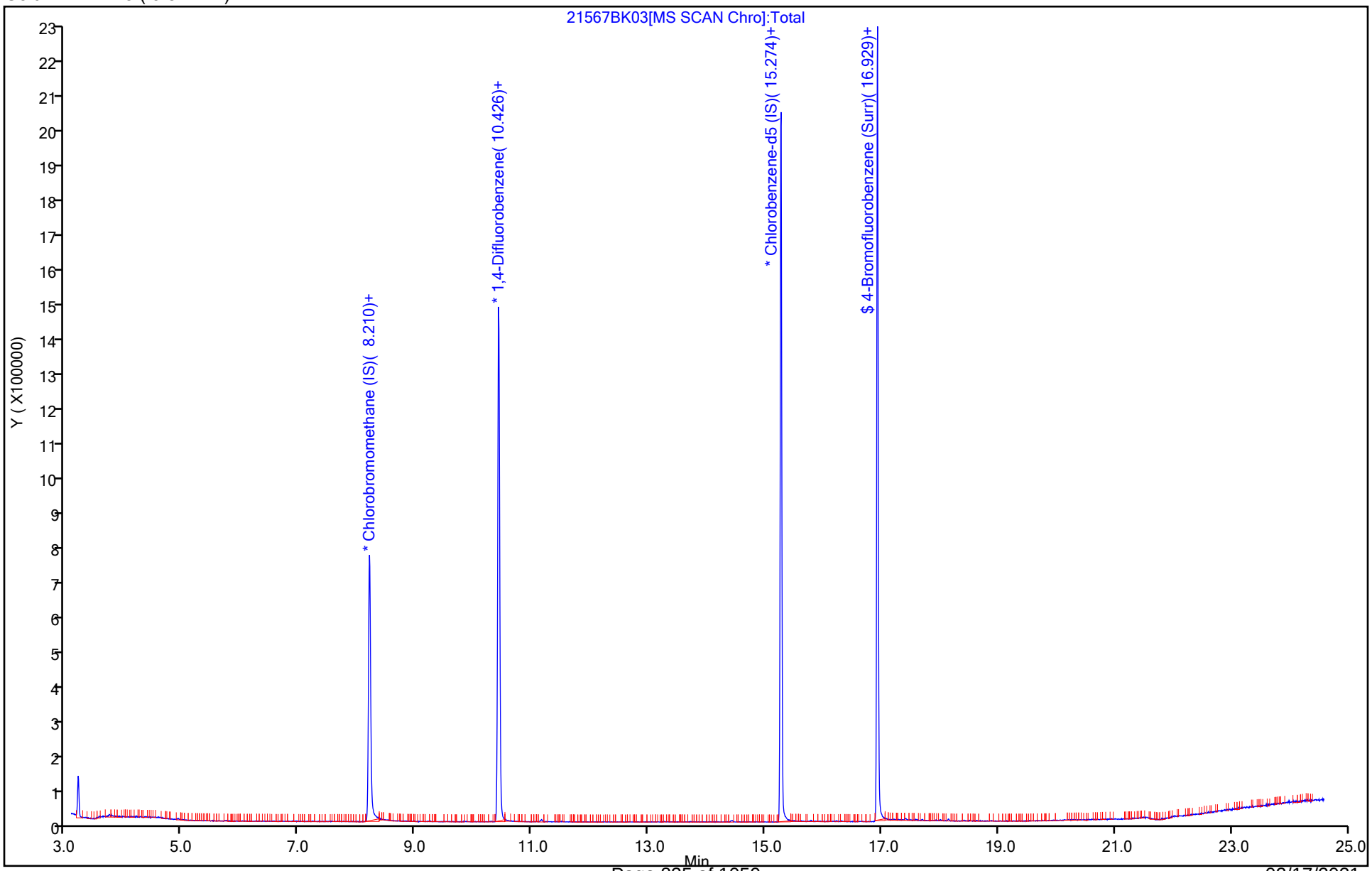
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 07-Jan-2021 07:55:05 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210105-17814.b\21567BK03.D				
Injection Date:	07-Jan-2021 05:34:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-21567-A-3	Lab Sample ID:	140-21567-3	Worklist Smp#:	26
Client ID:	09606				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



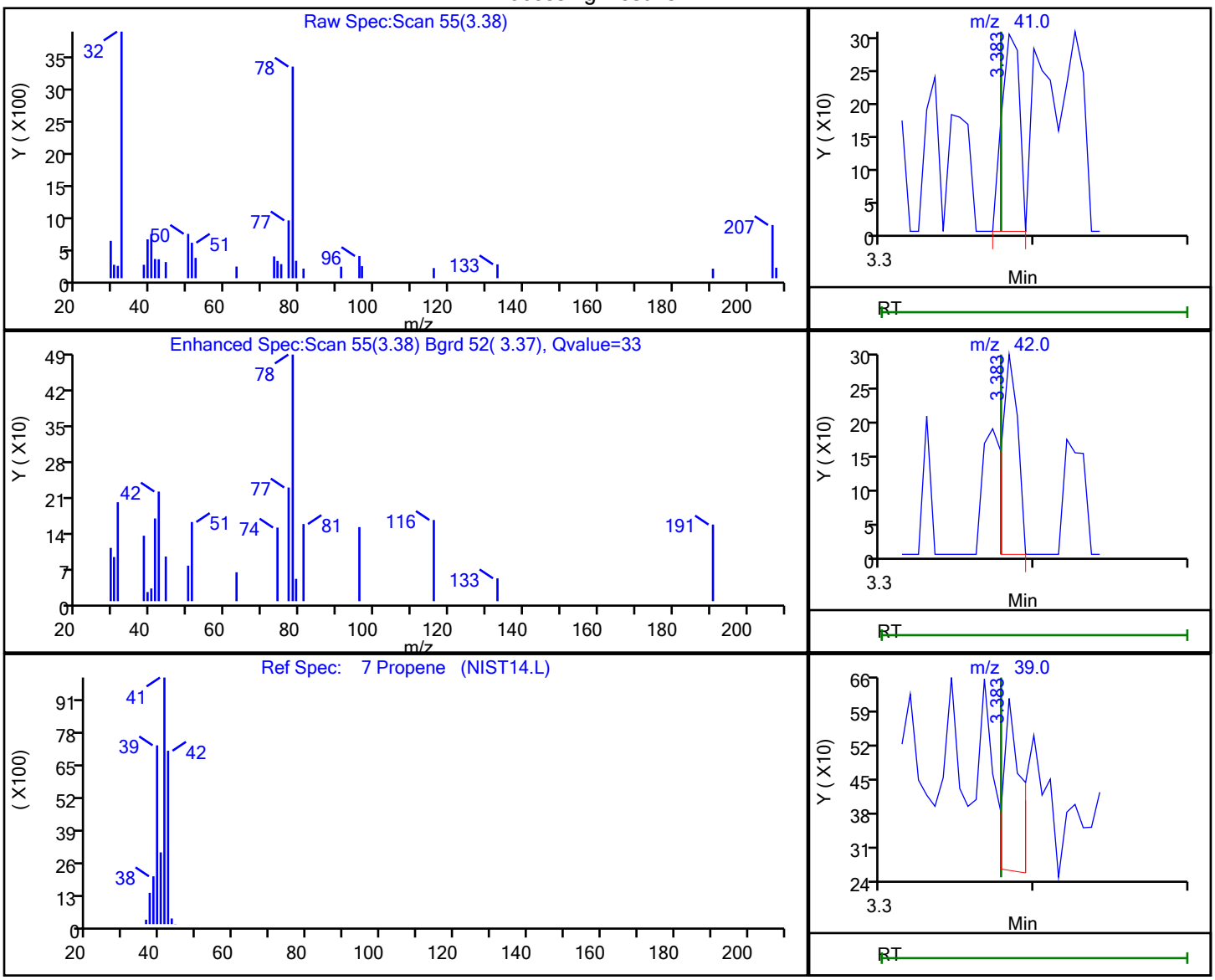
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210105-17814.b\21567BK03.D				
Injection Date:	07-Jan-2021 05:34:30	Instrument ID:	MR		
Lims ID:	140-21567-A-3	Lab Sample ID:	140-21567-3		
Client ID:	09606				
Operator ID:	HMT	ALS Bottle#:	17	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
3.38	41.00	244	0.003222
3.38	42.00	214	
3.38	39.00	278	

Reviewer: tajh, 07-Jan-2021 07:55:00

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.: 140-21567-1

SDG No.:

Client Sample ID: 09616 Lab Sample ID: 140-21567-4

Matrix: Air Lab File ID: 21567BK04.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 21:26

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 09616 Lab Sample ID: 140-21567-4

Matrix: Air Lab File ID: 21567BK04.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 21:26

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 09616 Lab Sample ID: 140-21567-4

Matrix: Air Lab File ID: 21567BK04.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 21:26

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 09616 Lab Sample ID: 140-21567-4

Matrix: Air Lab File ID: 21567BK04.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 21:26

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.: 45850 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\20210107-17840.b\21567BK04.D				
Lims ID:	140-21567-A-4				
Client ID:	09616				
Sample Type:	Client				
Inject. Date:	08-Jan-2021 21:26:30	ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017840-016				
Misc. Info.:	09616				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 13:53:30	Calib Date:	17-Dec-2020 08:26:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20201216-17637.b\RL16IC02R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 13:53:30		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.209	8.220	-0.011	95	150550	4.80	
* 2 1,4-Difluorobenzene	114	10.426	10.437	-0.011	96	851017	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.268	15.274	-0.006	91	683771	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.924	16.929	-0.005	78	510254	4.34	
51 Benzene	78	9.849	9.854	-0.005	1	1581	0.0104	

QC Flag Legend

Processing Flags

Reagents:

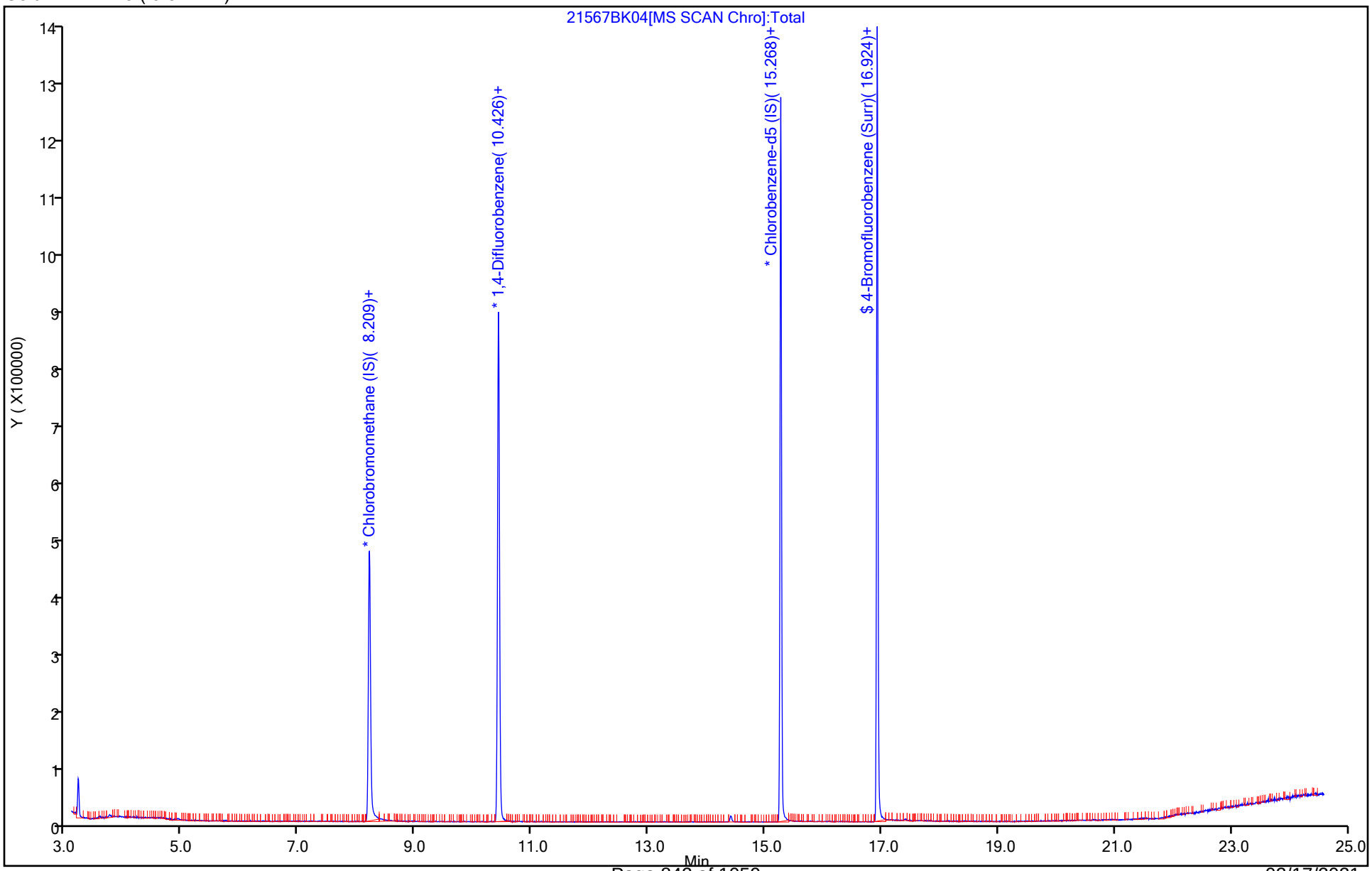
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 11-Jan-2021 13:53:30 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK04.D				
Injection Date:	08-Jan-2021 21:26:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-21567-A-4	Lab Sample ID:	140-21567-4	Worklist Smp#:	16
Client ID:	09616				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



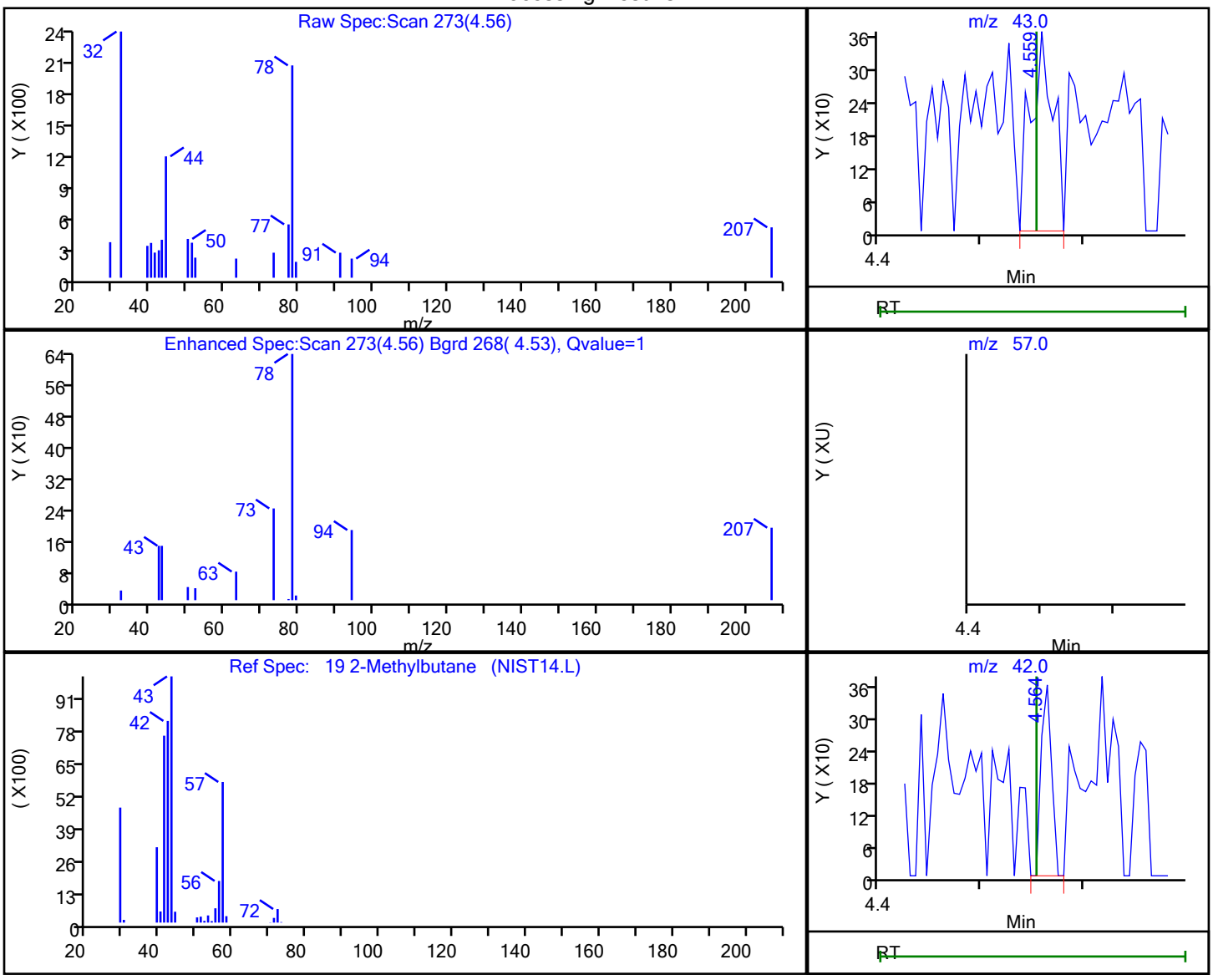
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK04.D				
Injection Date:	08-Jan-2021 21:26:30	Instrument ID:	MR		
Lims ID:	140-21567-A-4	Lab Sample ID:	140-21567-4		
Client ID:	09616				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	16
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		

19 2-Methylbutane, CAS: 78-78-4

Processing Results



RT	Mass	Response	Amount
4.56	43.00	550	0.016581
4.55	57.00	0	
4.56	42.00	252	

Reviewer: khachitpongpanits, 11-Jan-2021 13:53:00

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

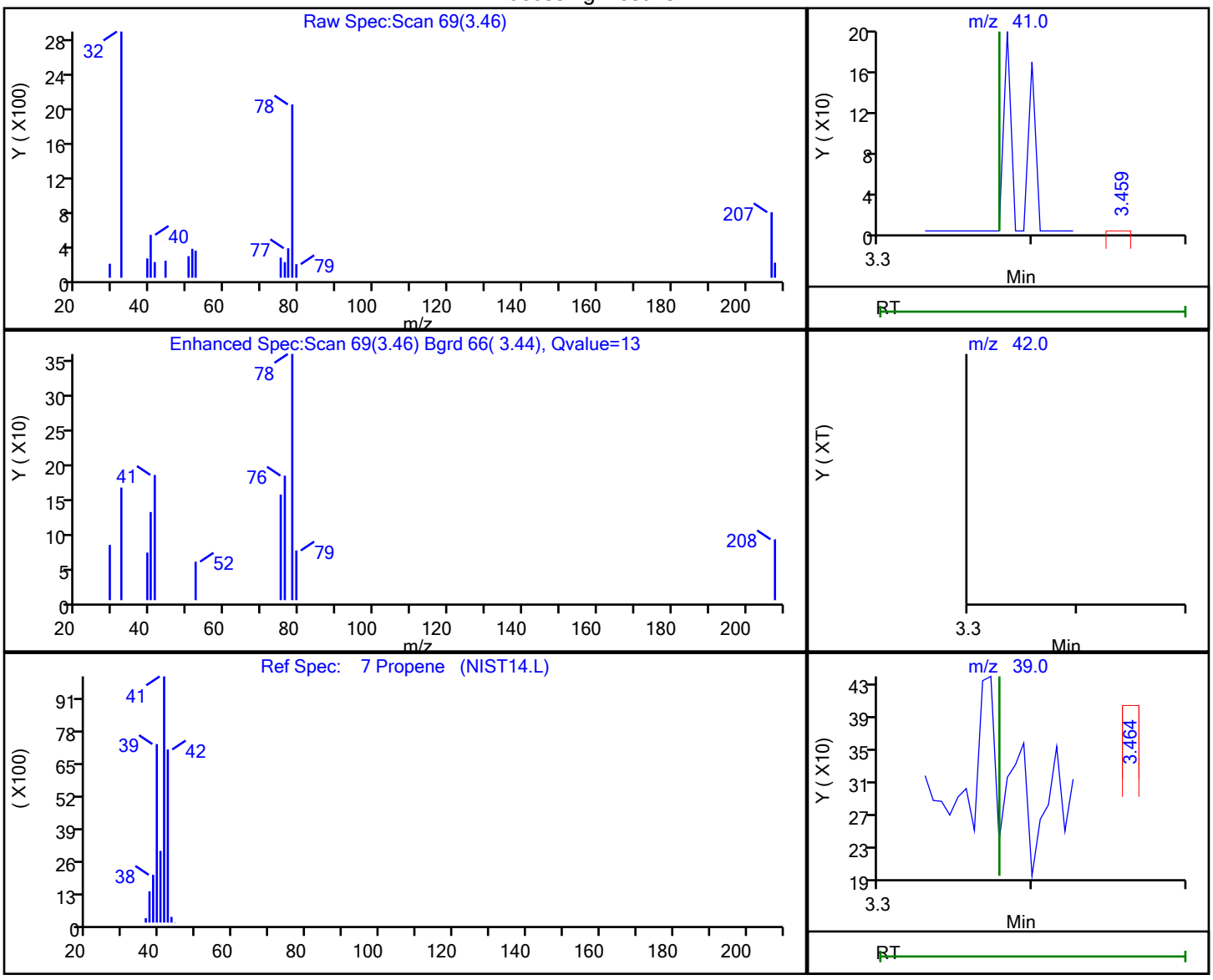
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK04.D				
Injection Date:	08-Jan-2021 21:26:30	Instrument ID:	MR		
Lims ID:	140-21567-A-4	Lab Sample ID:	140-21567-4		
Client ID:	09616				
Operator ID:	HMT	ALS Bottle#:	15	Worklist Smp#:	16
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
3.46	41.00	112	0.002578
3.38	42.00	0	
3.46	39.00	182	

Reviewer: khachitpongpanits, 11-Jan-2021 13:52:54

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.: 140-21567-1

SDG No.:

Client Sample ID: 10986 Lab Sample ID: 140-21567-5

Matrix: Air Lab File ID: 21567BK05.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 22:17

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 10986 Lab Sample ID: 140-21567-5

Matrix: Air Lab File ID: 21567BK05.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 22:17

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 10986 Lab Sample ID: 140-21567-5

Matrix: Air Lab File ID: 21567BK05.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 22:17

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 10986 Lab Sample ID: 140-21567-5

Matrix: Air Lab File ID: 21567BK05.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 22:17

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.: 45850 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\20210107-17840.b\21567BK05.D				
Lims ID:	140-21567-A-5				
Client ID:	10986				
Sample Type:	Client				
Inject. Date:	08-Jan-2021 22:17:30	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017840-017				
Misc. Info.:	10986				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 13:54:23	Calib Date:	17-Dec-2020 08:26:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20201216-17637.b\RL16IC02R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 13:54:23		

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
*	1 Chlorobromomethane (IS)	128	8.204	8.220	-0.016	95	149573	4.80	
*	2 1,4-Difluorobenzene	114	10.426	10.437	-0.011	96	825734	4.80	
*	3 Chlorobenzene-d5 (IS)	117	15.268	15.274	-0.006	91	659930	4.80	
$	4 4-Bromofluorobenzene (Surr)	95	16.924	16.929	-0.005	78	501289	4.41	

QC Flag Legend

Processing Flags

Reagents:

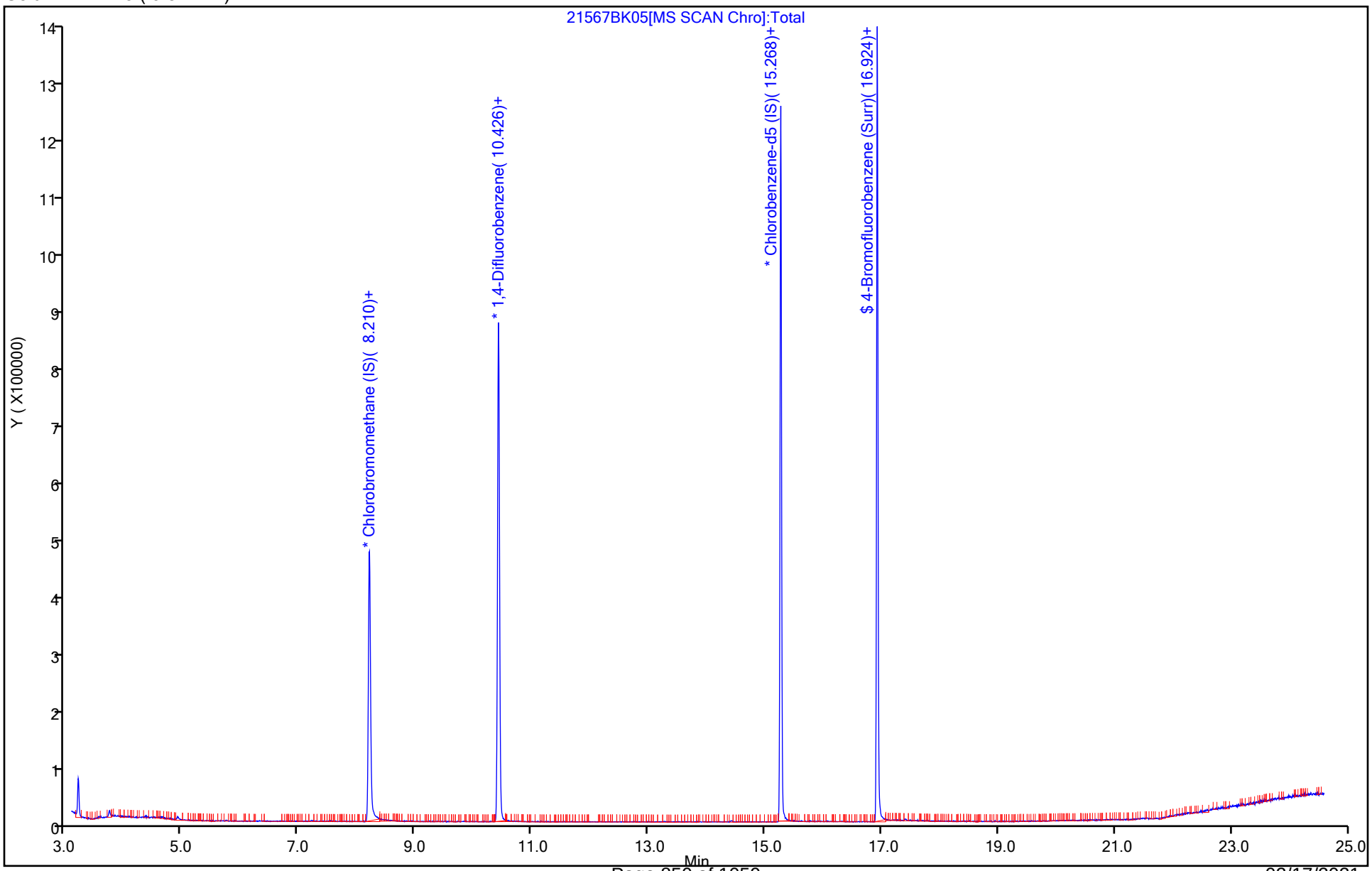
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 11-Jan-2021 13:54:24 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK05.D				
Injection Date:	08-Jan-2021 22:17:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-21567-A-5	Lab Sample ID:	140-21567-5	Worklist Smp#:	17
Client ID:	10986				
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)



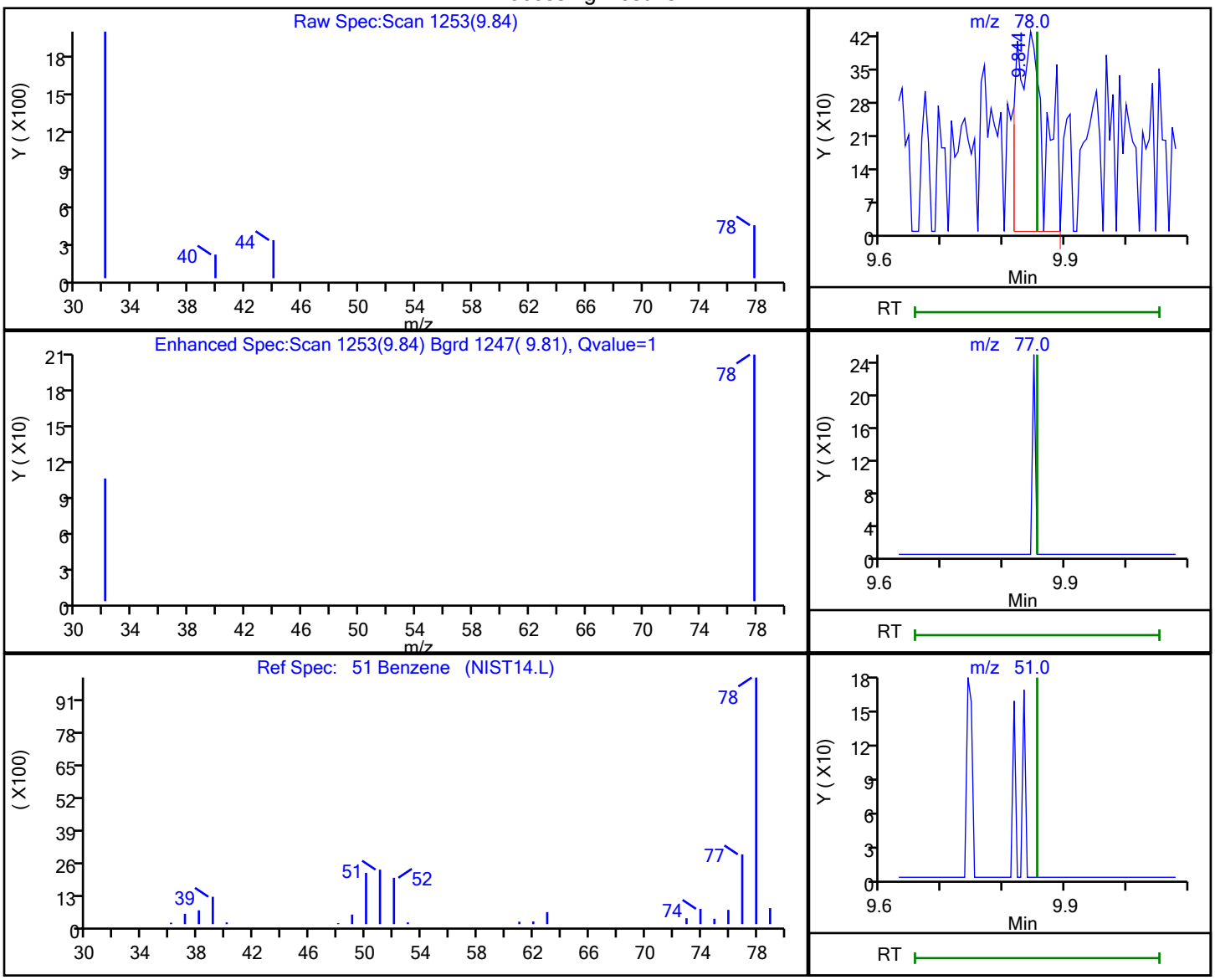
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK05.D				
Injection Date:	08-Jan-2021 22:17:30	Instrument ID:	MR		
Lims ID:	140-21567-A-5	Lab Sample ID:	140-21567-5		
Client ID:	10986				
Operator ID:	HMT	ALS Bottle#:	16	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		

51 Benzene, CAS: 71-43-2

Processing Results



RT	Mass	Response	Amount
9.84	78.00	1321	0.008914
9.85	77.00	0	
9.85	51.00	0	

Reviewer: khachitpongpanits, 11-Jan-2021 13:54:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

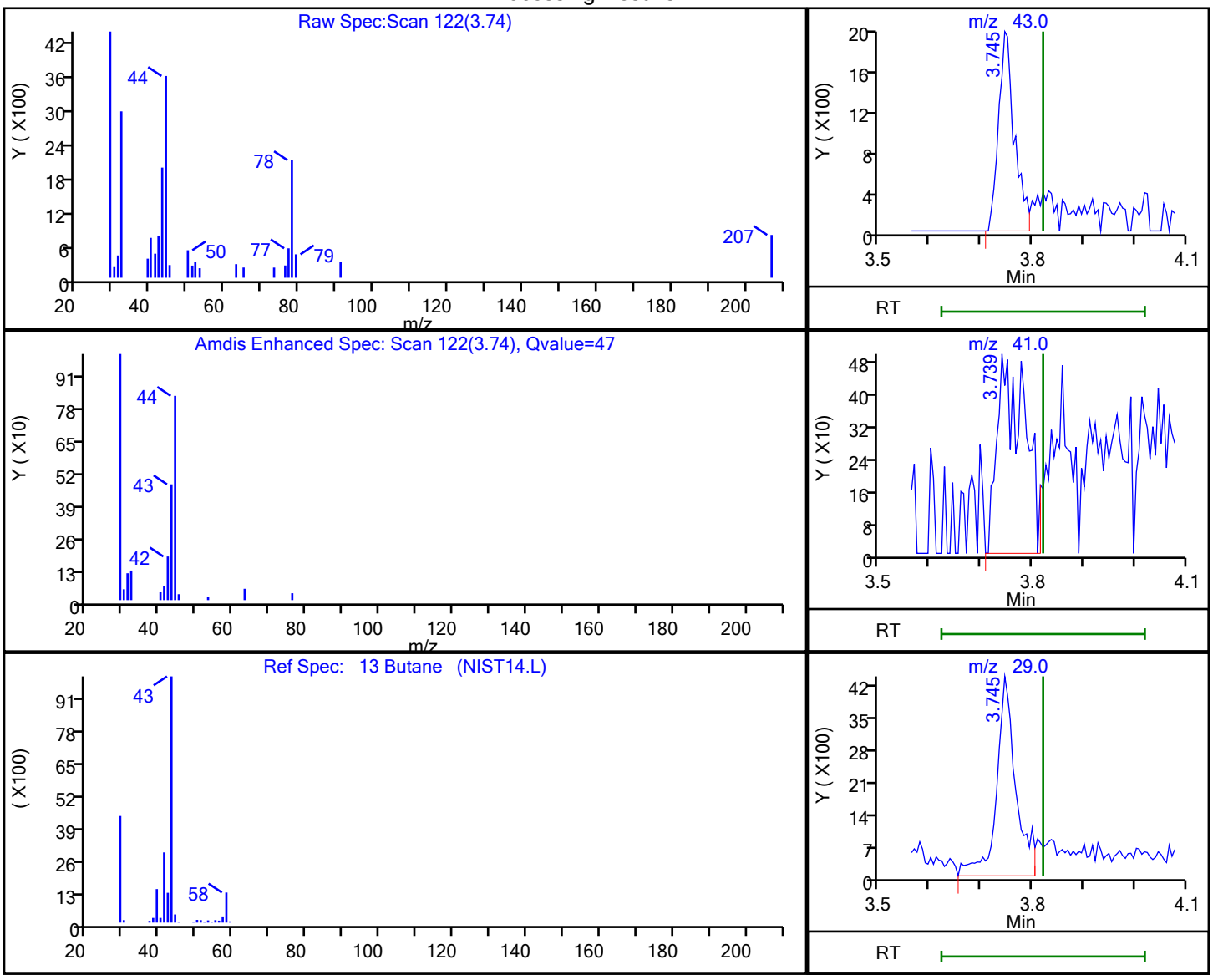
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK05.D				
Injection Date:	08-Jan-2021 22:17:30	Instrument ID:	MR		
Lims ID:	140-21567-A-5	Lab Sample ID:	140-21567-5		
Client ID:	10986				
Operator ID:	HMT	ALS Bottle#:	16	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		

13 Butane, CAS: 106-97-8

Processing Results



RT	Mass	Response	Amount
3.74	43.00	4153	0.079322
3.74	41.00	1872	
3.74	29.00	11390	

Reviewer: khachitpongpanits, 11-Jan-2021 13:53:47

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

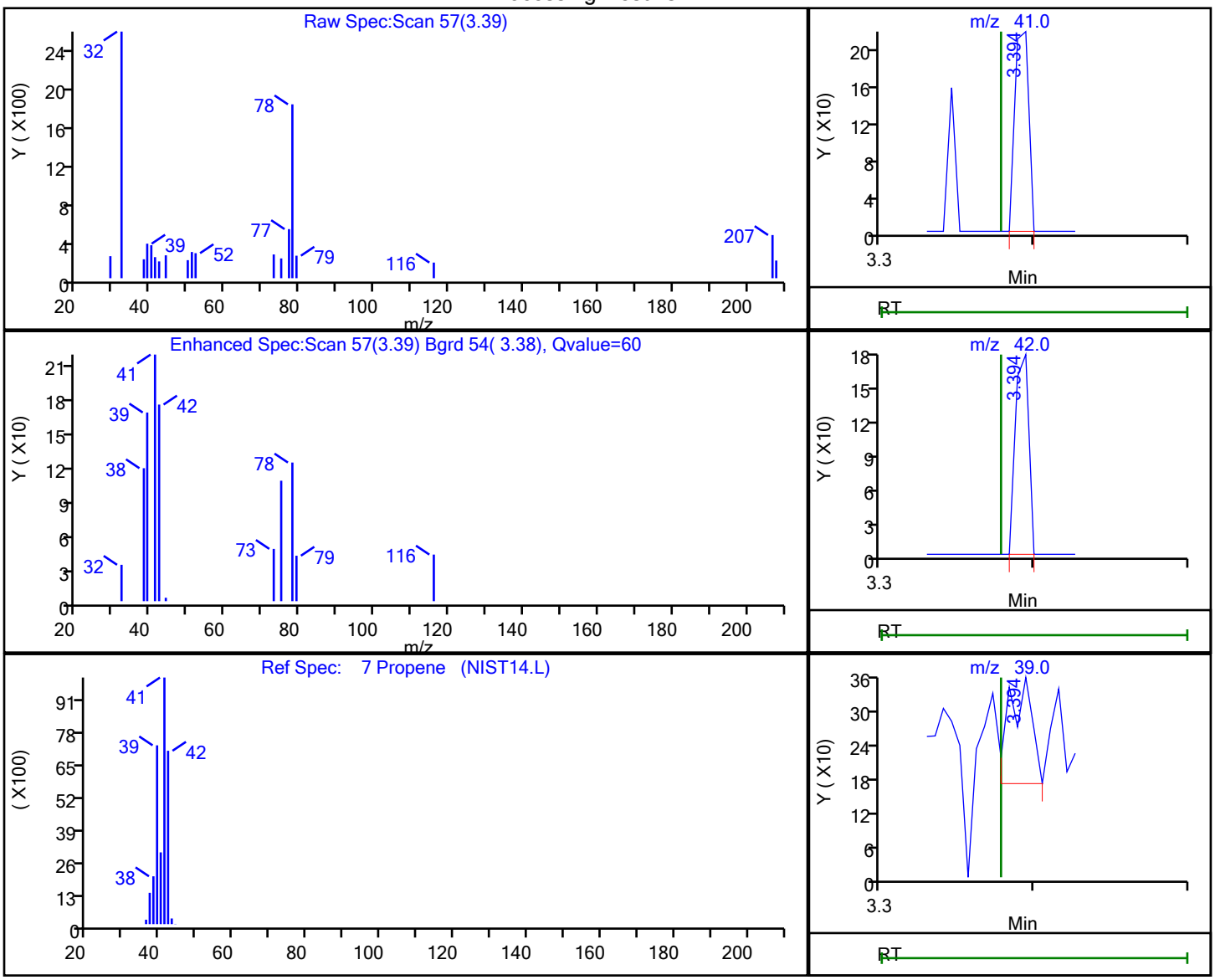
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK05.D				
Injection Date:	08-Jan-2021 22:17:30	Instrument ID:	MR		
Lims ID:	140-21567-A-5	Lab Sample ID:	140-21567-5		
Client ID:	10986				
Operator ID:	HMT	ALS Bottle#:	16	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		

7 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
3.39	41.00	138	0.003197
3.39	42.00	106	
3.39	39.00	196	

Reviewer: khachitpongpanits, 11-Jan-2021 13:53:43

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

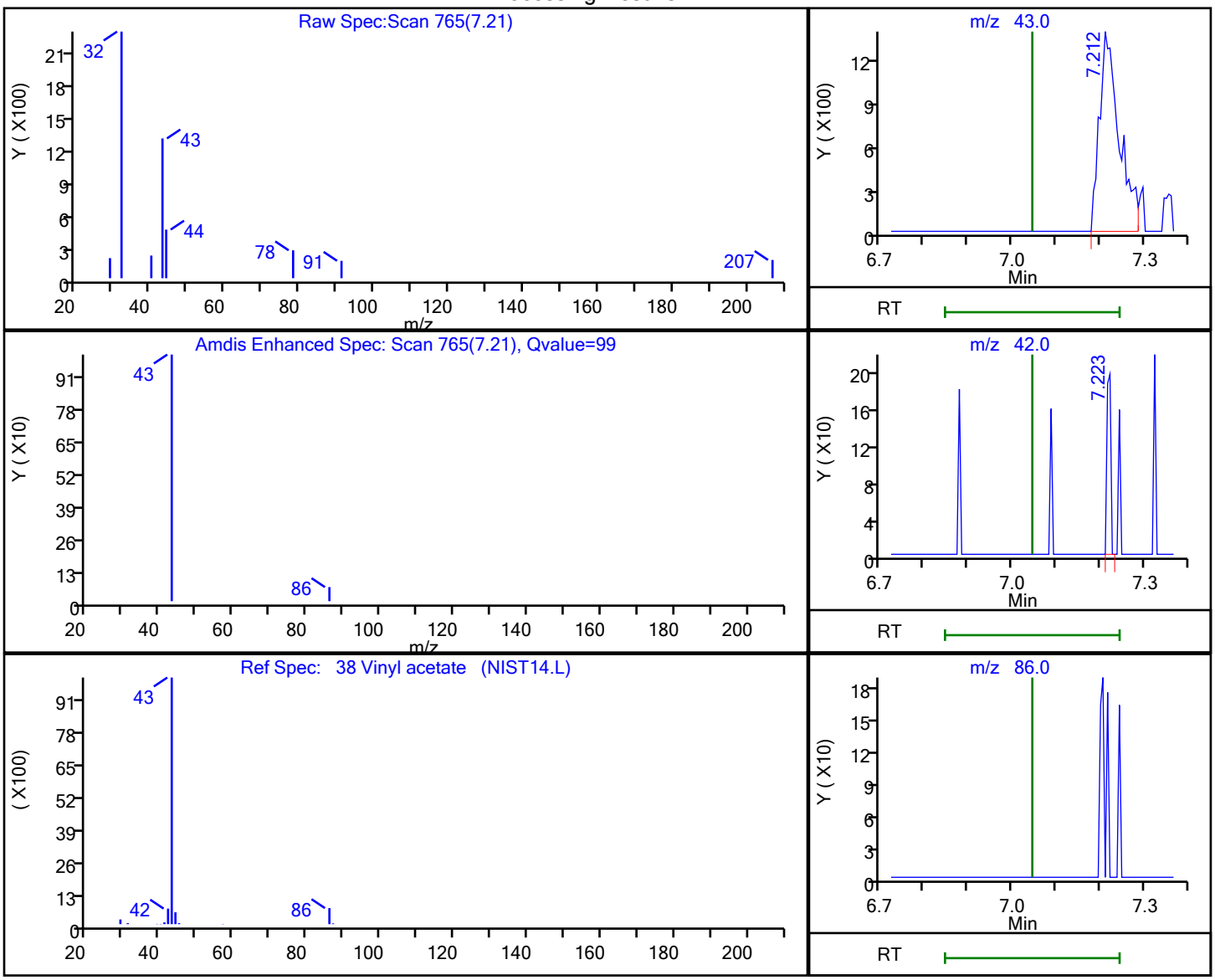
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK05.D				
Injection Date:	08-Jan-2021 22:17:30	Instrument ID:	MR		
Lims ID:	140-21567-A-5	Lab Sample ID:	140-21567-5		
Client ID:	10986				
Operator ID:	HMT	ALS Bottle#:	16	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		

38 Vinyl acetate, CAS: 108-05-4

Processing Results



RT	Mass	Response	Amount
7.21	43.00	4072	0.031524
7.22	42.00	122	
7.04	86.00	0	

Reviewer: khachitpongpanits, 11-Jan-2021 13:54:00

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.: 140-21567-1

SDG No.:

Client Sample ID: 09785 Lab Sample ID: 140-21567-6

Matrix: Air Lab File ID: 21567BK06.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 23:08

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 09785 Lab Sample ID: 140-21567-6

Matrix: Air Lab File ID: 21567BK06.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 23:08

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 09785 Lab Sample ID: 140-21567-6

Matrix: Air Lab File ID: 21567BK06.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 23:08

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 09785 Lab Sample ID: 140-21567-6

Matrix: Air Lab File ID: 21567BK06.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 23:08

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.: 45850 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\20210107-17840.b\21567BK06.D				
Lims ID:	140-21567-A-6				
Client ID:	09785				
Sample Type:	Client				
Inject. Date:	08-Jan-2021 23:08:30	ALS Bottle#:	17	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017840-018				
Misc. Info.:	09785				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 13:55:12	Calib Date:	17-Dec-2020 08:26:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20201216-17637.b\RL16IC02R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 13:55:12		

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
*	1 Chlorobromomethane (IS)	128	8.215	8.220	-0.005	95	145517	4.80	
*	2 1,4-Difluorobenzene	114	10.426	10.437	-0.011	96	808863	4.80	
*	3 Chlorobenzene-d5 (IS)	117	15.268	15.274	-0.006	91	647950	4.80	
$	4 4-Bromofluorobenzene (Surr)	95	16.924	16.929	-0.005	78	483170	4.33	

QC Flag Legend

Processing Flags

Reagents:

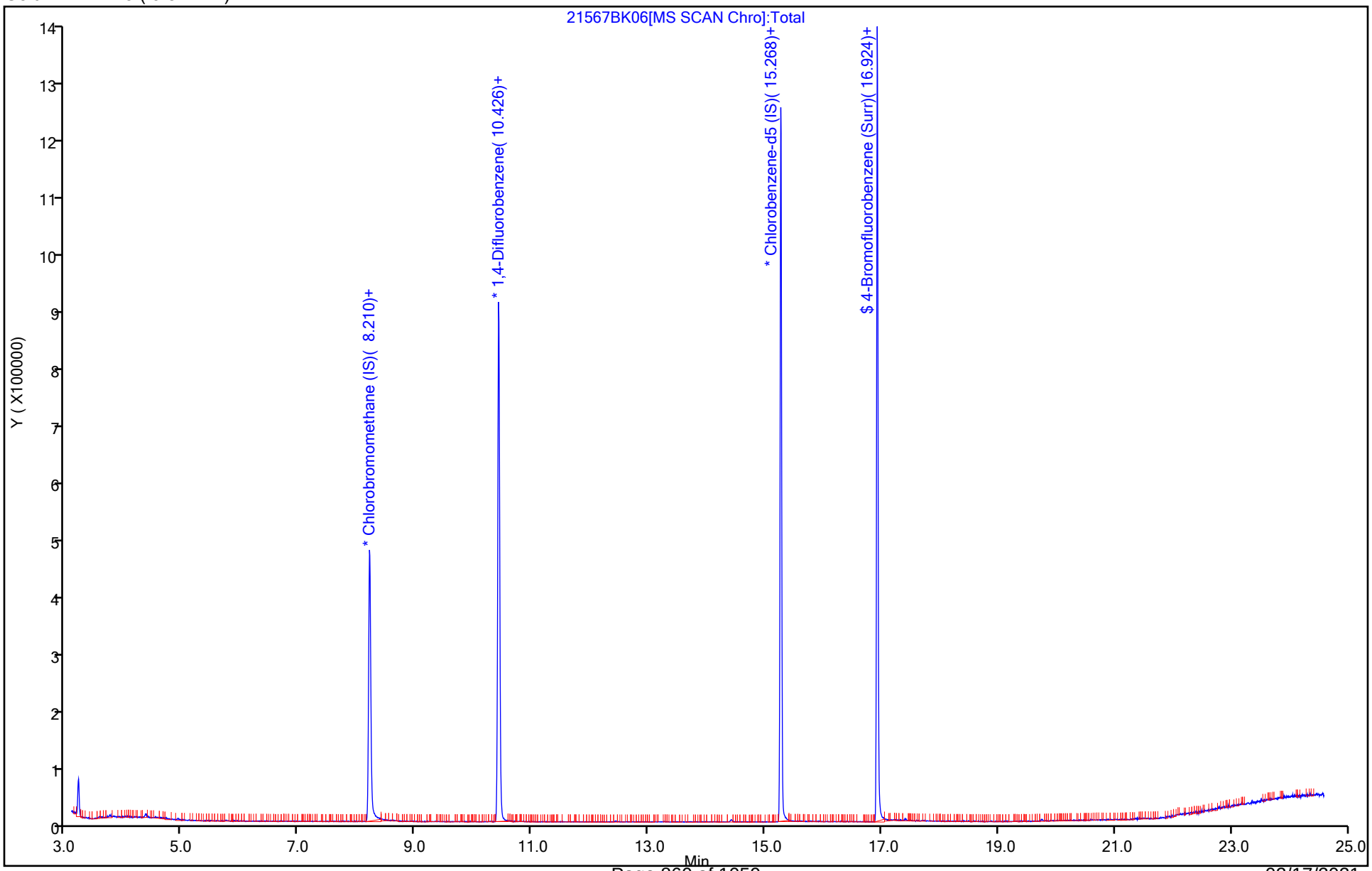
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 11-Jan-2021 13:55:13 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK06.D				
Injection Date:	08-Jan-2021 23:08:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-21567-A-6	Lab Sample ID:	140-21567-6	Worklist Smp#:	18
Client ID:	09785				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



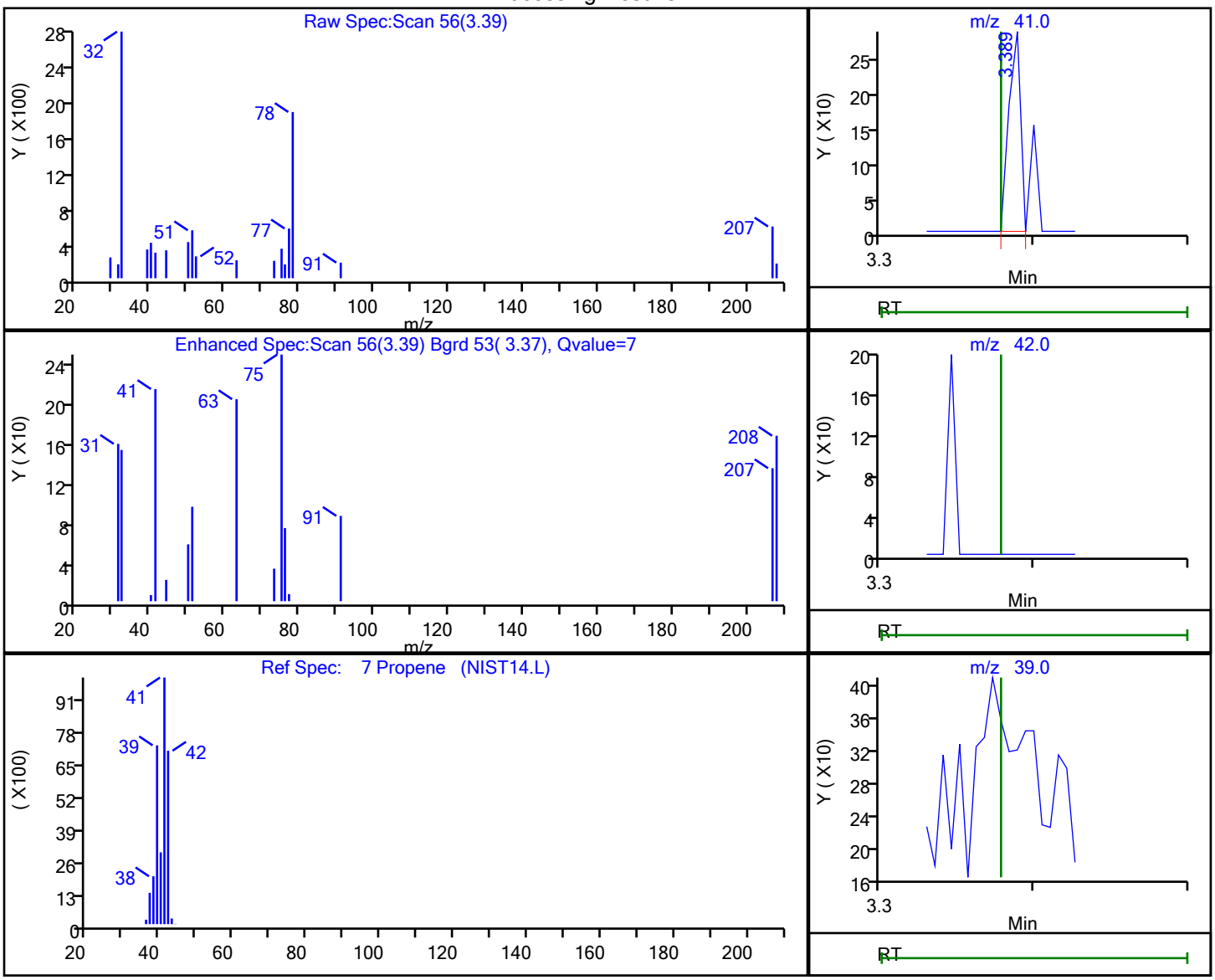
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK06.D				
Injection Date:	08-Jan-2021 23:08:30	Instrument ID:	MR		
Lims ID:	140-21567-A-6	Lab Sample ID:	140-21567-6		
Client ID:	09785				
Operator ID:	HMT	ALS Bottle#:	17	Worklist Smp#:	18
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
3.39	41.00	150	0.003572
3.38	42.00	0	
3.38	39.00	0	

Reviewer: khachitpongpanits, 11-Jan-2021 13:54:36

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.: 140-21567-1

SDG No.:

Client Sample ID: 8428 Lab Sample ID: 140-21567-7

Matrix: Air Lab File ID: 21567BK07.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 00:00

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 8428 Lab Sample ID: 140-21567-7

Matrix: Air Lab File ID: 21567BK07.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 00:00

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 8428 Lab Sample ID: 140-21567-7

Matrix: Air Lab File ID: 21567BK07.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 00:00

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 8428 Lab Sample ID: 140-21567-7

Matrix: Air Lab File ID: 21567BK07.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 00:00

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.: 45850 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\20210107-17840.b\21567BK07.D				
Lims ID:	140-21567-A-7				
Client ID:	8428				
Sample Type:	Client				
Inject. Date:	09-Jan-2021 00:00:30	ALS Bottle#:	1	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017840-019				
Misc. Info.:	8428				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 13:55:53	Calib Date:	17-Dec-2020 08:26:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20201216-17637.b\RL16IC02R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 13:55:53		

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
*	1 Chlorobromomethane (IS)	128	8.210	8.220	-0.010	95	145013	4.80	
*	2 1,4-Difluorobenzene	114	10.426	10.437	-0.011	96	805083	4.80	
*	3 Chlorobenzene-d5 (IS)	117	15.268	15.274	-0.006	91	645685	4.80	
$	4 4-Bromofluorobenzene (Surr)	95	16.924	16.929	-0.005	78	479385	4.31	

QC Flag Legend

Processing Flags

Reagents:

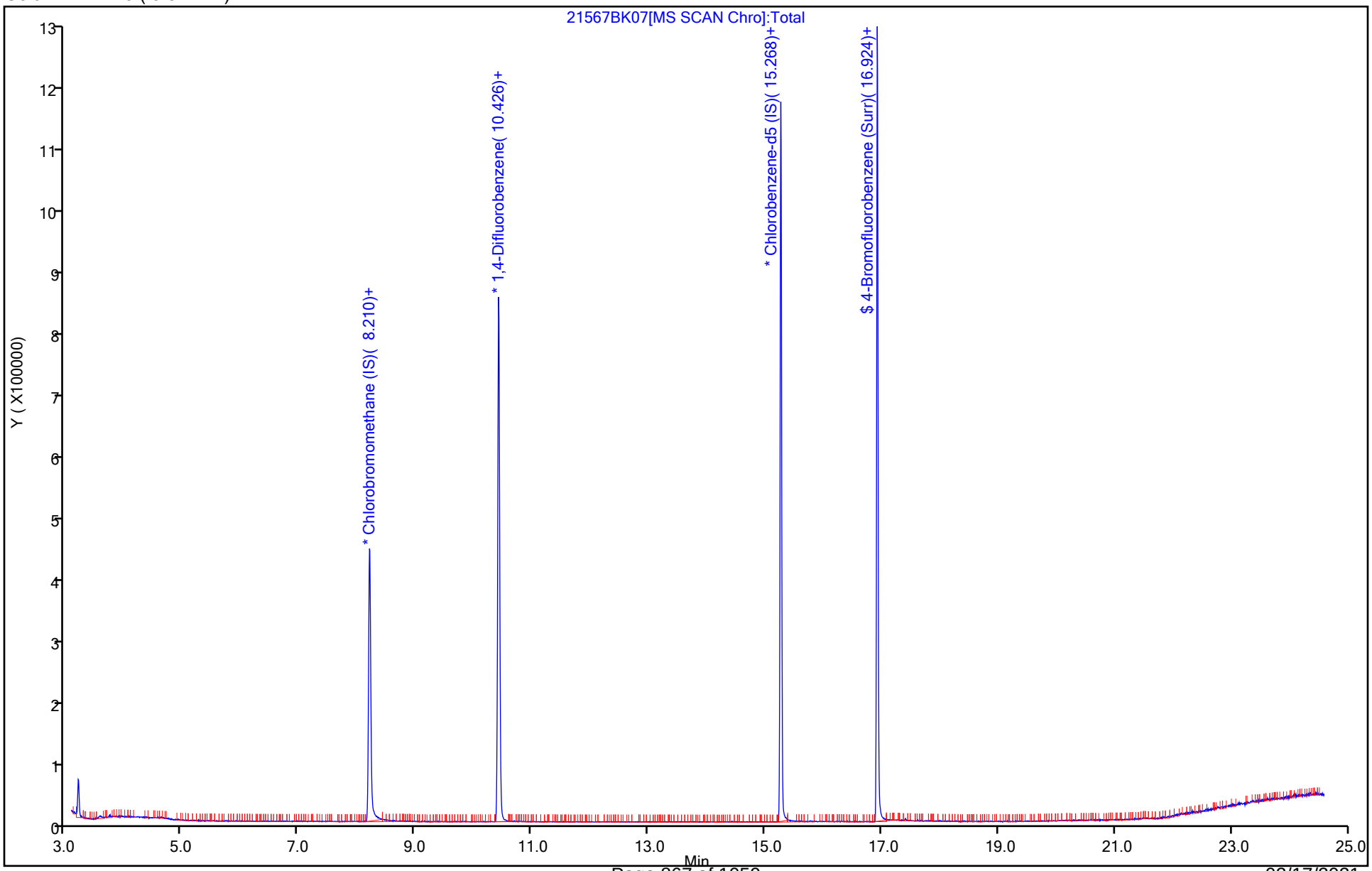
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 11-Jan-2021 13:55:54 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK07.D				
Injection Date:	09-Jan-2021 00:00:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-21567-A-7	Lab Sample ID:	140-21567-7	Worklist Smp#:	19
Client ID:	8428				
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)



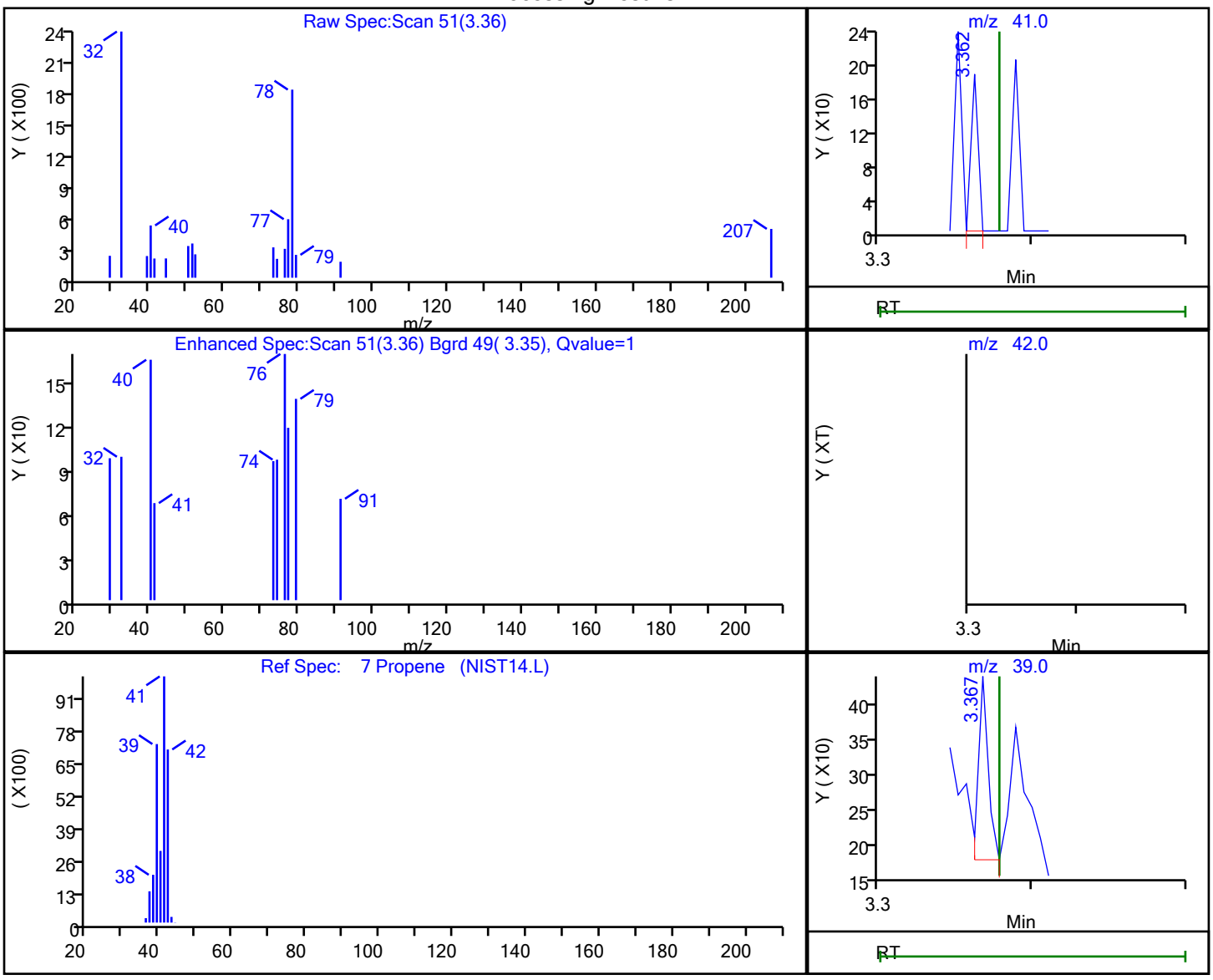
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK07.D				
Injection Date:	09-Jan-2021 00:00:30	Instrument ID:	MR		
Lims ID:	140-21567-A-7	Lab Sample ID:	140-21567-7		
Client ID:	8428				
Operator ID:	HMT	ALS Bottle#:	1	Worklist Smp#:	19
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
3.36	41.00	60	0.001434
3.38	42.00	0	
3.37	39.00	117	

Reviewer: khachitpongpanits, 11-Jan-2021 13:55:23

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.: 140-21567-1

SDG No.:

Client Sample ID: 34000310 Lab Sample ID: 140-21567-8

Matrix: Air Lab File ID: 21567BK08.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 00:52

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 34000310 Lab Sample ID: 140-21567-8

Matrix: Air Lab File ID: 21567BK08.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 00:52

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 34000310 Lab Sample ID: 140-21567-8

Matrix: Air Lab File ID: 21567BK08.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 00:52

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 34000310 Lab Sample ID: 140-21567-8

Matrix: Air Lab File ID: 21567BK08.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 00:52

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.: 45850 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\20210107-17840.b\21567BK08.D				
Lims ID:	140-21567-A-8				
Client ID:	34000310				
Sample Type:	Client				
Inject. Date:	09-Jan-2021 00:52:30	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017840-020				
Misc. Info.:	34000310				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 13:57:14	Calib Date:	17-Dec-2020 08:26:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20201216-17637.b\RL16IC02R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 13:57:14		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.209	8.220	-0.011	95	141238	4.80	
* 2 1,4-Difluorobenzene	114	10.426	10.437	-0.011	96	775851	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.268	15.274	-0.006	91	621724	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.924	16.929	-0.005	78	463867	4.34	
73 Tetrachloroethene	129	14.421	14.433	-0.017	88	1319	0.0224	

QC Flag Legend

Processing Flags

Reagents:

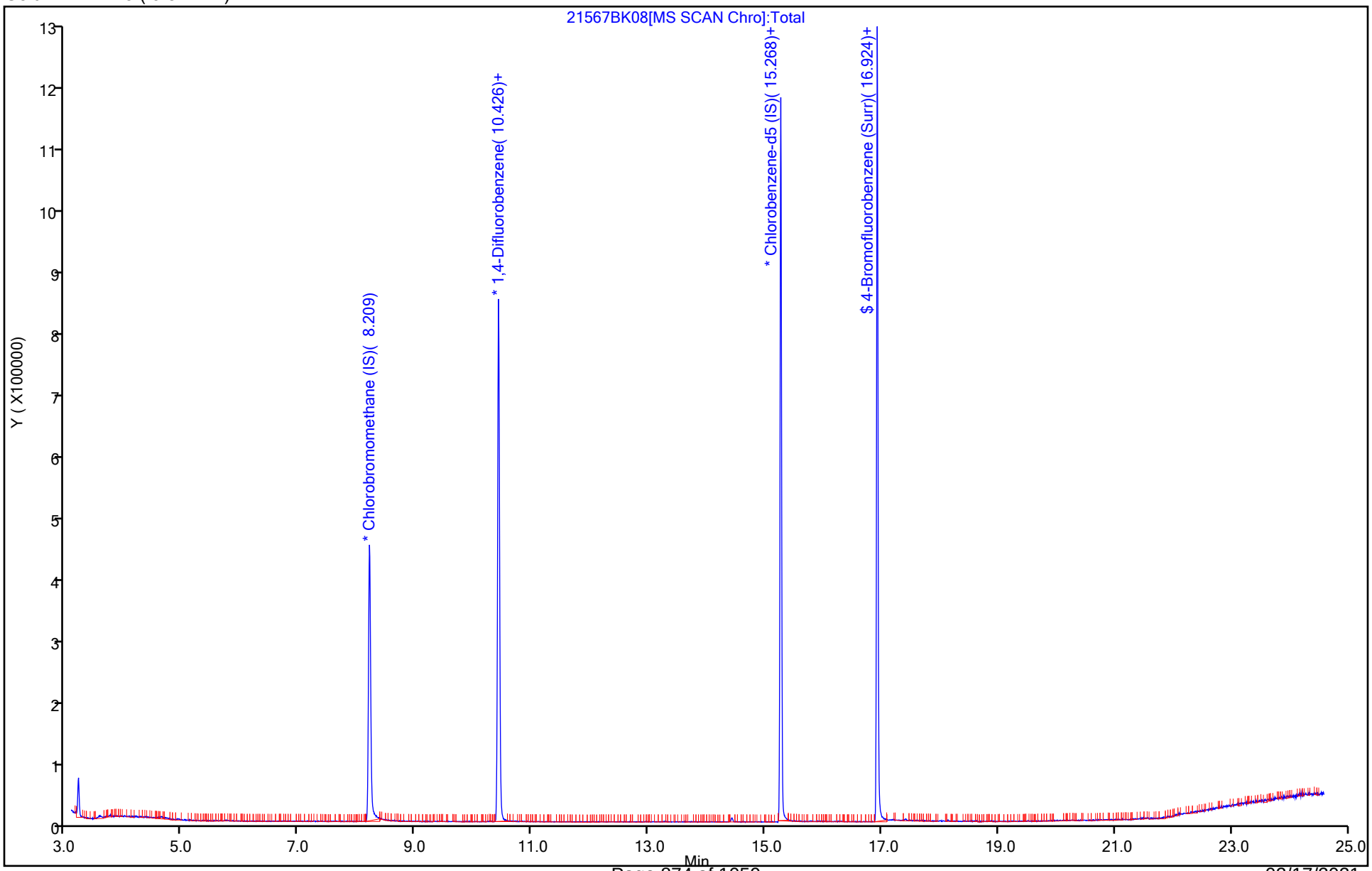
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 11-Jan-2021 13:57:14 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK08.D				
Injection Date:	09-Jan-2021 00:52:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-21567-A-8	Lab Sample ID:	140-21567-8	Worklist Smp#:	20
Client ID:	34000310				
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)



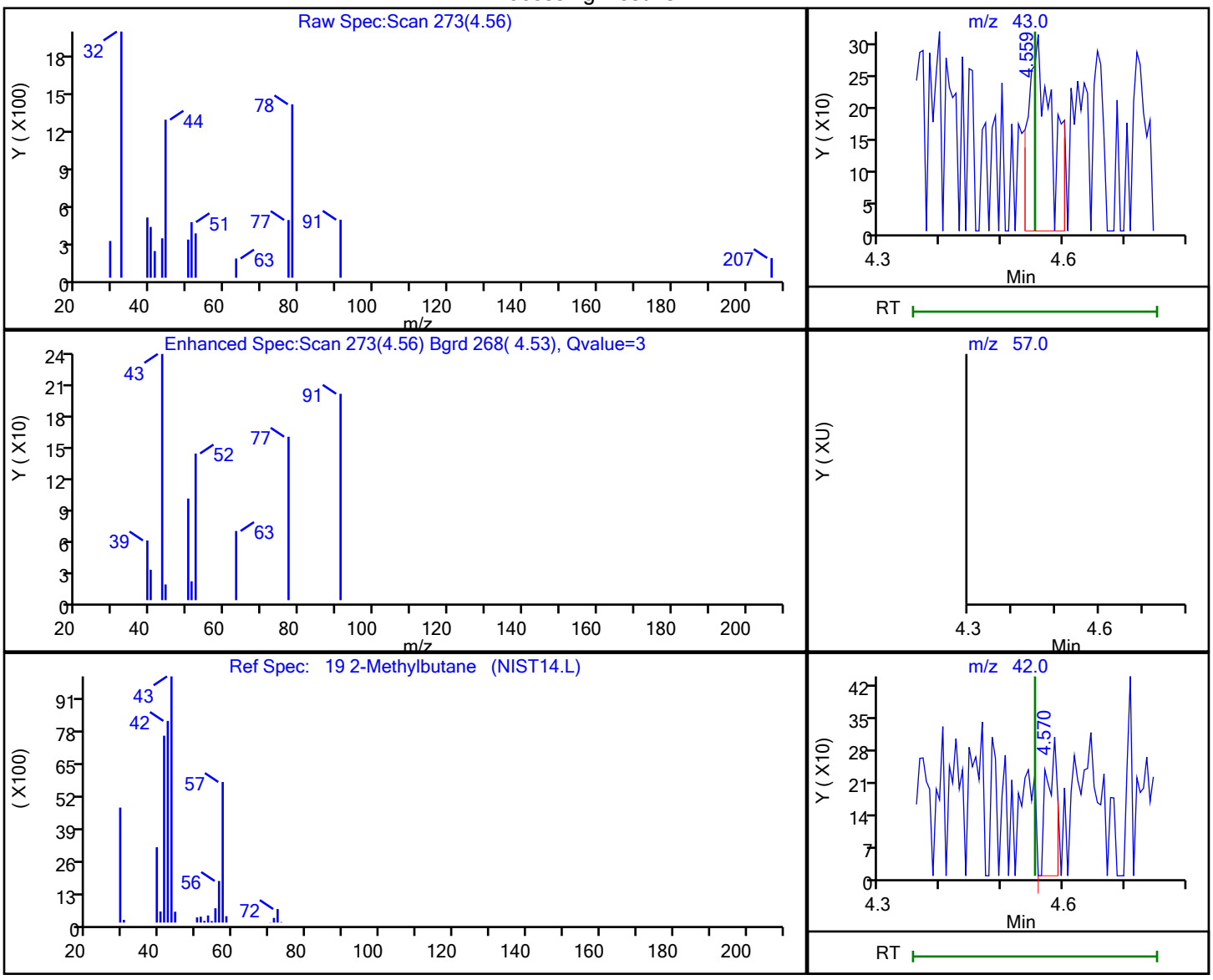
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK08.D				
Injection Date:	09-Jan-2021 00:52:30	Instrument ID:	MR		
Lims ID:	140-21567-A-8	Lab Sample ID:	140-21567-8		
Client ID:	34000310				
Operator ID:	HMT	ALS Bottle#:	2	Worklist Smp#:	20
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		

19 2-Methylbutane, CAS: 78-78-4

Processing Results



RT	Mass	Response	Amount
4.56	43.00	821	0.026383
4.55	57.00	0	
4.57	42.00	346	

Reviewer: khachitpongpanits, 11-Jan-2021 13:56:35

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

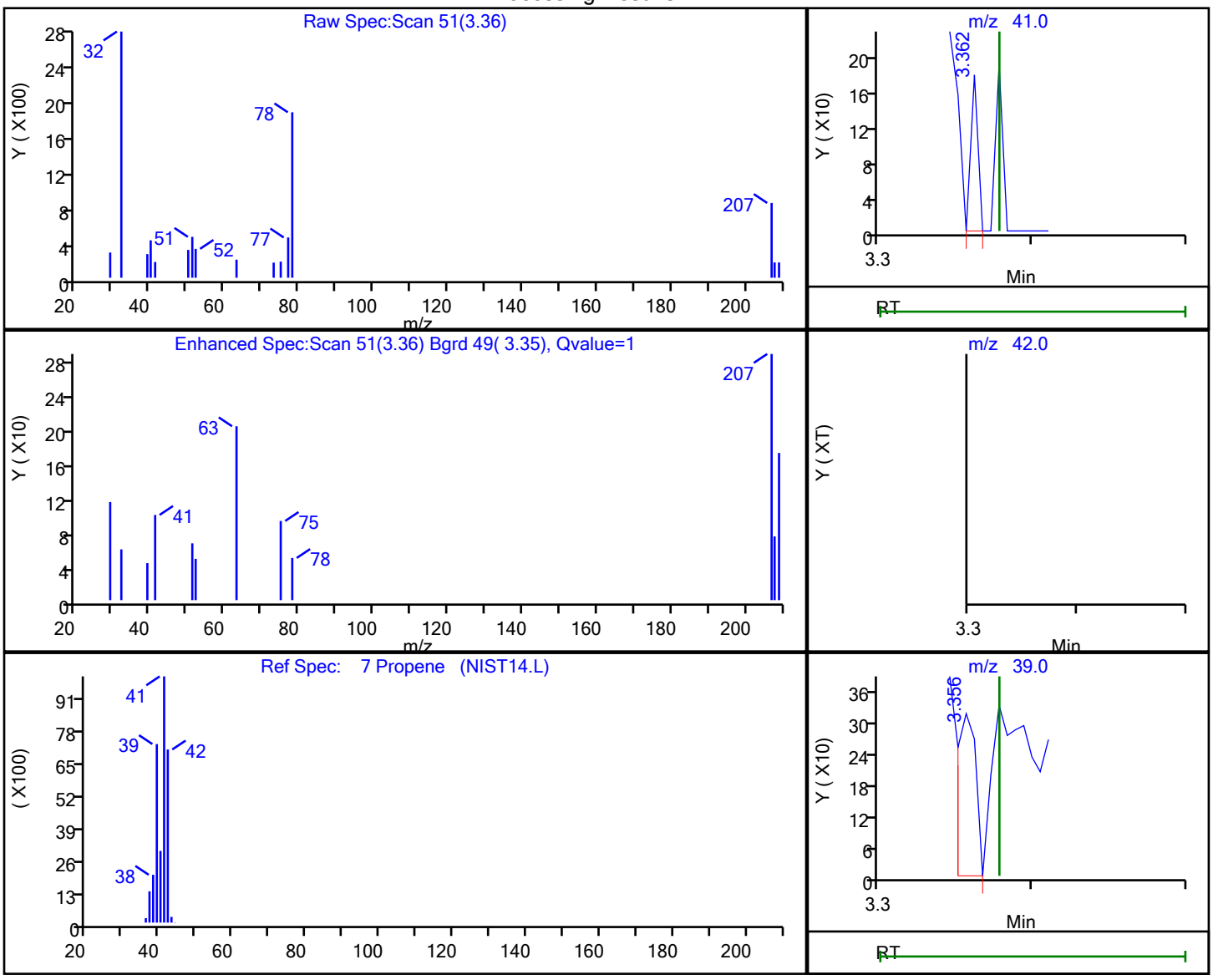
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK08.D				
Injection Date:	09-Jan-2021 00:52:30	Instrument ID:	MR		
Lims ID:	140-21567-A-8	Lab Sample ID:	140-21567-8		
Client ID:	34000310				
Operator ID:	HMT	ALS Bottle#:	2	Worklist Smp#:	20
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
3.36	41.00	57	0.001399
3.38	42.00	0	
3.36	39.00	267	

Reviewer: khachitpongpanits, 11-Jan-2021 13:56:30

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

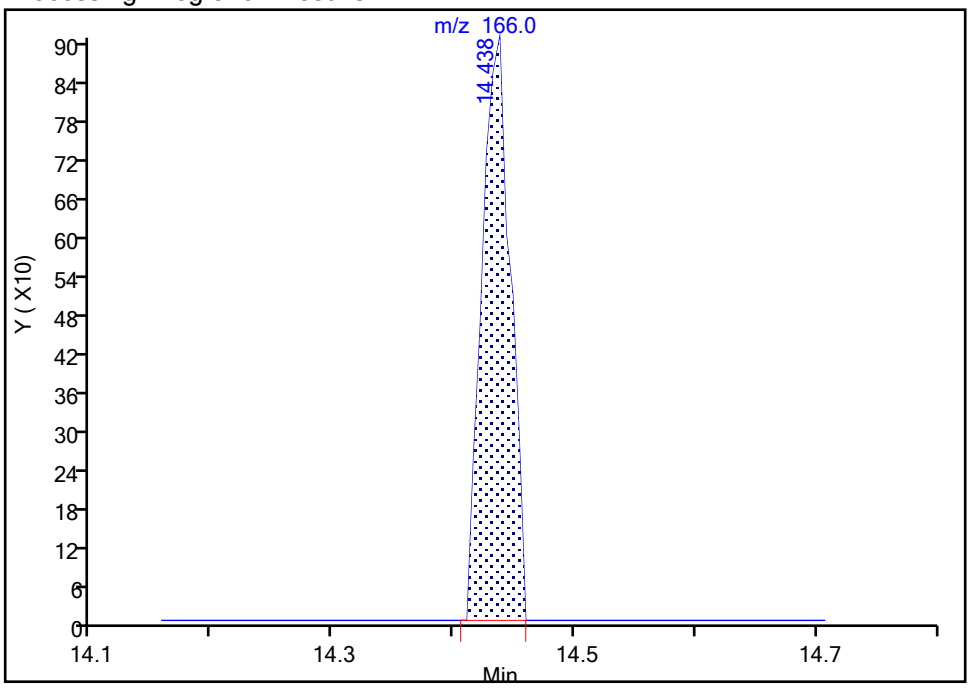
Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK08.D				
Injection Date:	09-Jan-2021 00:52:30	Instrument ID:	MR		
Lims ID:	140-21567-A-8	Lab Sample ID:	140-21567-8		
Client ID:	34000310				
Operator ID:	HMT	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

73 Tetrachloroethene, CAS: 127-18-4

Signal: 2

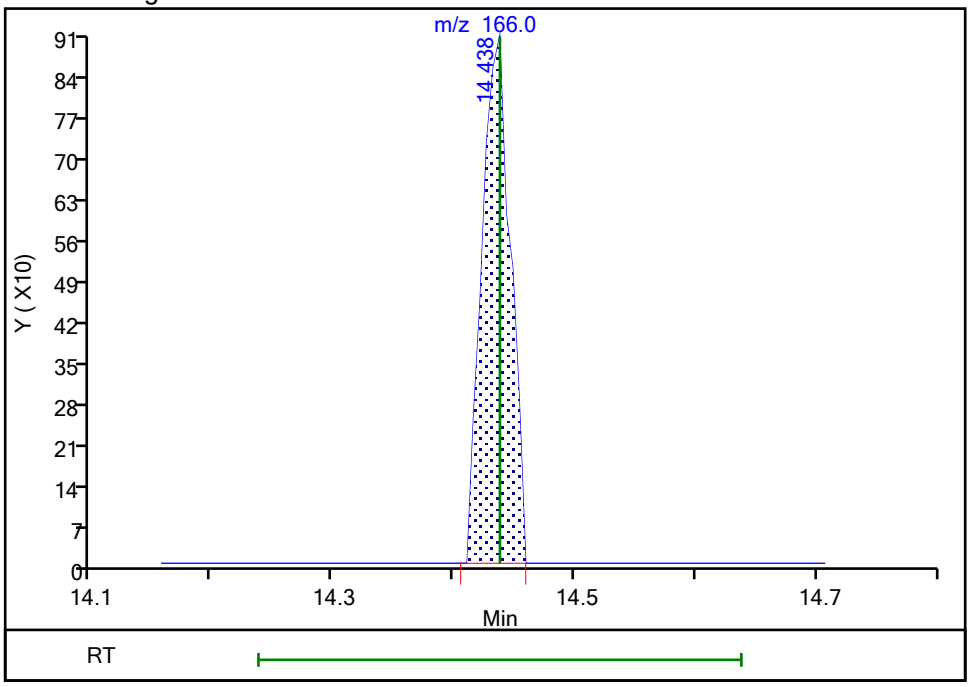
Processing Integration Results

RT: 14.44
Area: 1489
Amount: 0.022365
Amount Units: ppb v/v



Manual Integration Results

RT: 14.44
Area: 1489
Amount: 0.022365
Amount Units: ppb v/v



Reviewer: khachitpongpanits, 11-Jan-2021 13:56:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Knoxville

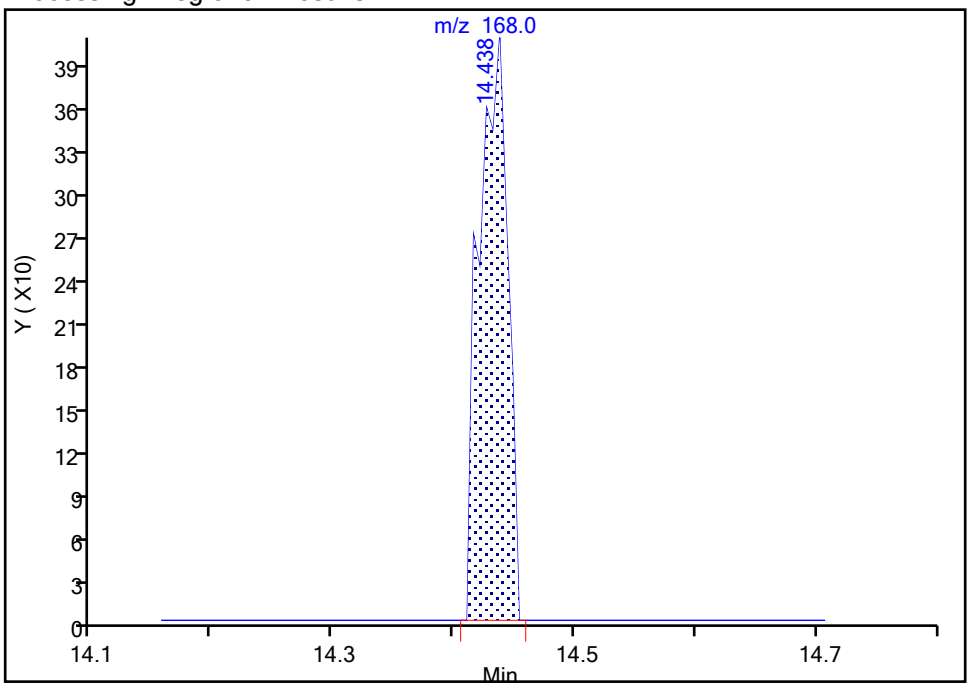
Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK08.D		
Injection Date:	09-Jan-2021 00:52:30	Instrument ID:	MR
Lims ID:	140-21567-A-8	Lab Sample ID:	140-21567-8
Client ID:	34000310		
Operator ID:	HMT	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

73 Tetrachloroethene, CAS: 127-18-4

Signal: 3

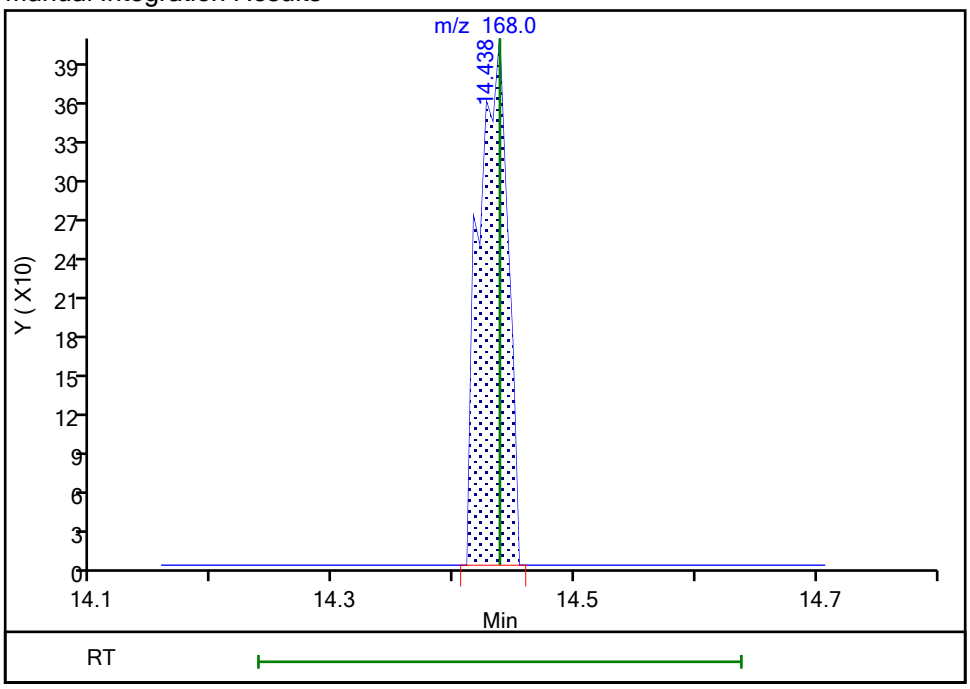
Processing Integration Results

RT: 14.44
Area: 664
Amount: 0.022365
Amount Units: ppb v/v



Manual Integration Results

RT: 14.44
Area: 664
Amount: 0.022365
Amount Units: ppb v/v



Reviewer: khachitpongpanits, 11-Jan-2021 13:56:52
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.: 140-21567-1

SDG No.:

Client Sample ID: 11690 Lab Sample ID: 140-21567-9

Matrix: Air Lab File ID: 21567BK09.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 01:43

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 11690 Lab Sample ID: 140-21567-9

Matrix: Air Lab File ID: 21567BK09.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 01:43

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 11690 Lab Sample ID: 140-21567-9

Matrix: Air Lab File ID: 21567BK09.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 01:43

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 11690 Lab Sample ID: 140-21567-9

Matrix: Air Lab File ID: 21567BK09.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 01:43

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.: 45850 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\20210107-17840.b\21567BK09.D				
Lims ID:	140-21567-A-9				
Client ID:	11690				
Sample Type:	Client				
Inject. Date:	09-Jan-2021 01:43:30	ALS Bottle#:	3	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017840-021				
Misc. Info.:	11690				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 13:58:36	Calib Date:	17-Dec-2020 08:26:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20201216-17637.b\RL16IC02R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 13:58:36		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.210	8.220	-0.010	95	142092	4.80	
* 2 1,4-Difluorobenzene	114	10.426	10.437	-0.011	96	787240	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.268	15.274	-0.006	91	626010	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.924	16.929	-0.005	78	467519	4.34	
73 Tetrachloroethene	129	14.432	14.433	-0.006	89	992	0.0167	

QC Flag Legend

Processing Flags

Reagents:

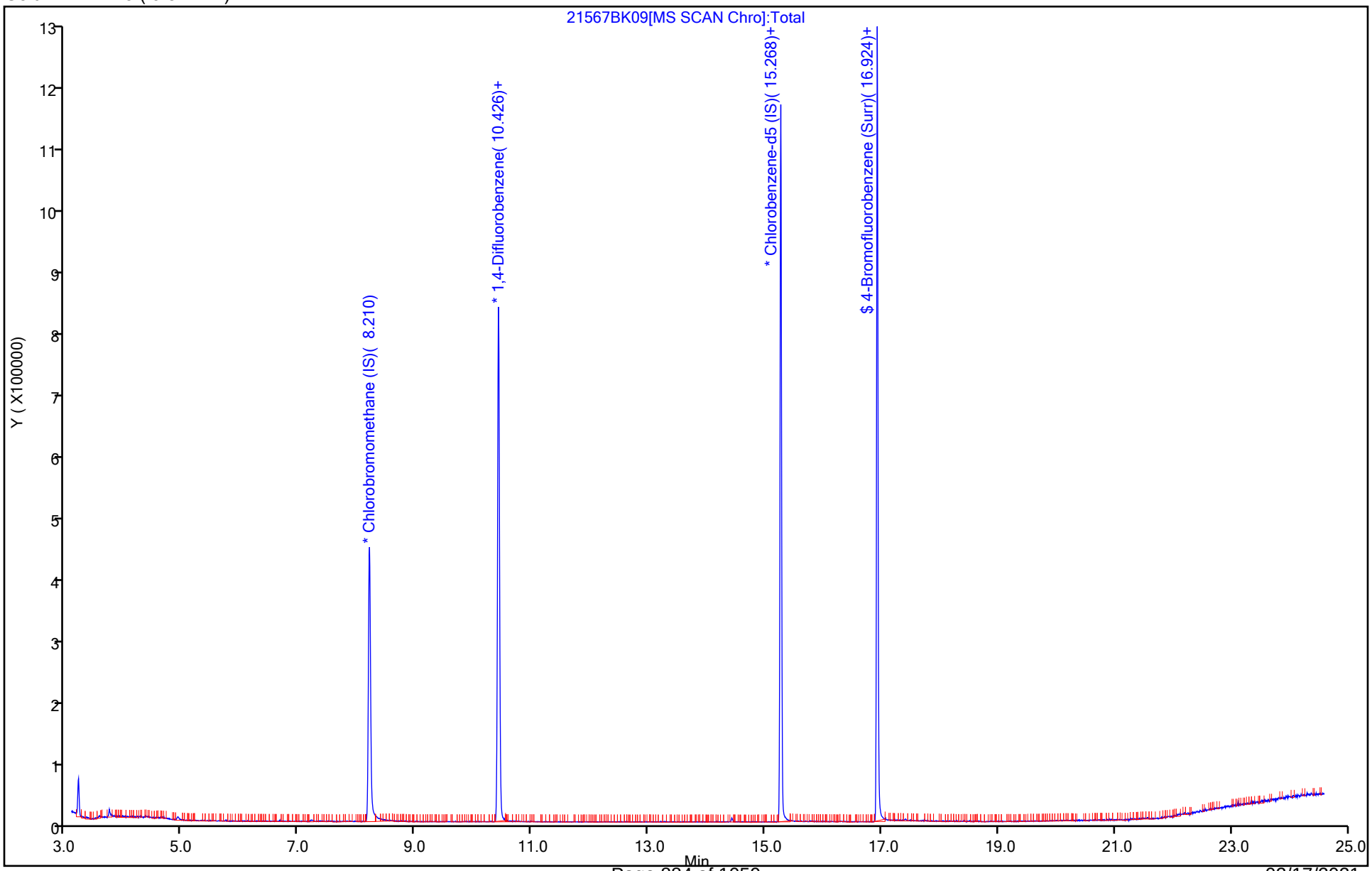
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 11-Jan-2021 13:58:37 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK09.D				
Injection Date:	09-Jan-2021 01:43:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-21567-A-9	Lab Sample ID:	140-21567-9	Worklist Smp#:	21
Client ID:	11690				
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)



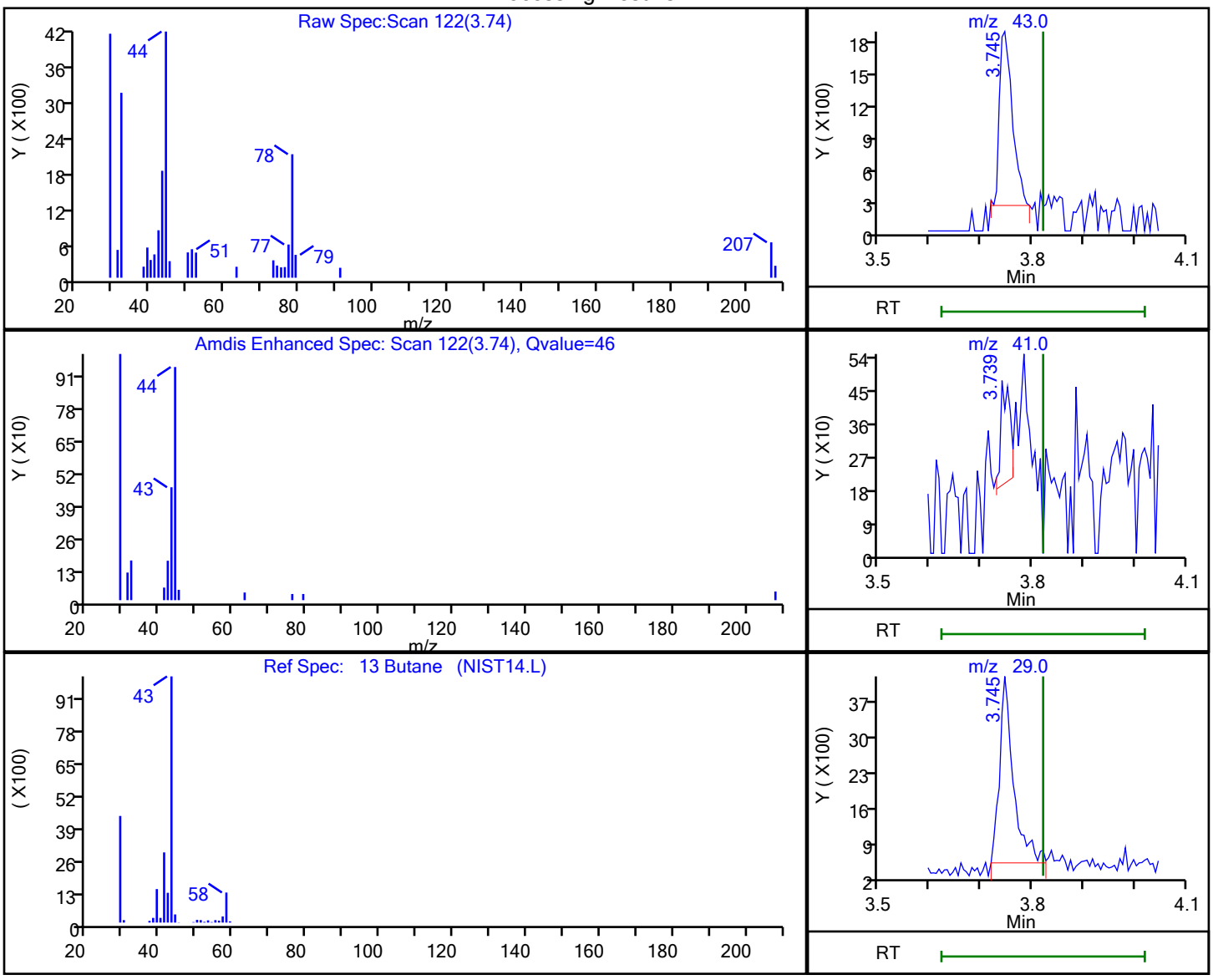
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK09.D				
Injection Date:	09-Jan-2021 01:43:30	Instrument ID:	MR		
Lims ID:	140-21567-A-9	Lab Sample ID:	140-21567-9		
Client ID:	11690				
Operator ID:	HMT	ALS Bottle#:	3	Worklist Smp#:	21
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		

13 Butane, CAS: 106-97-8

Processing Results



RT	Mass	Response	Amount
3.74	43.00	2783	0.055954
3.74	41.00	351	
3.74	29.00	6946	

Reviewer: khachitpongpanits, 11-Jan-2021 13:57:29

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

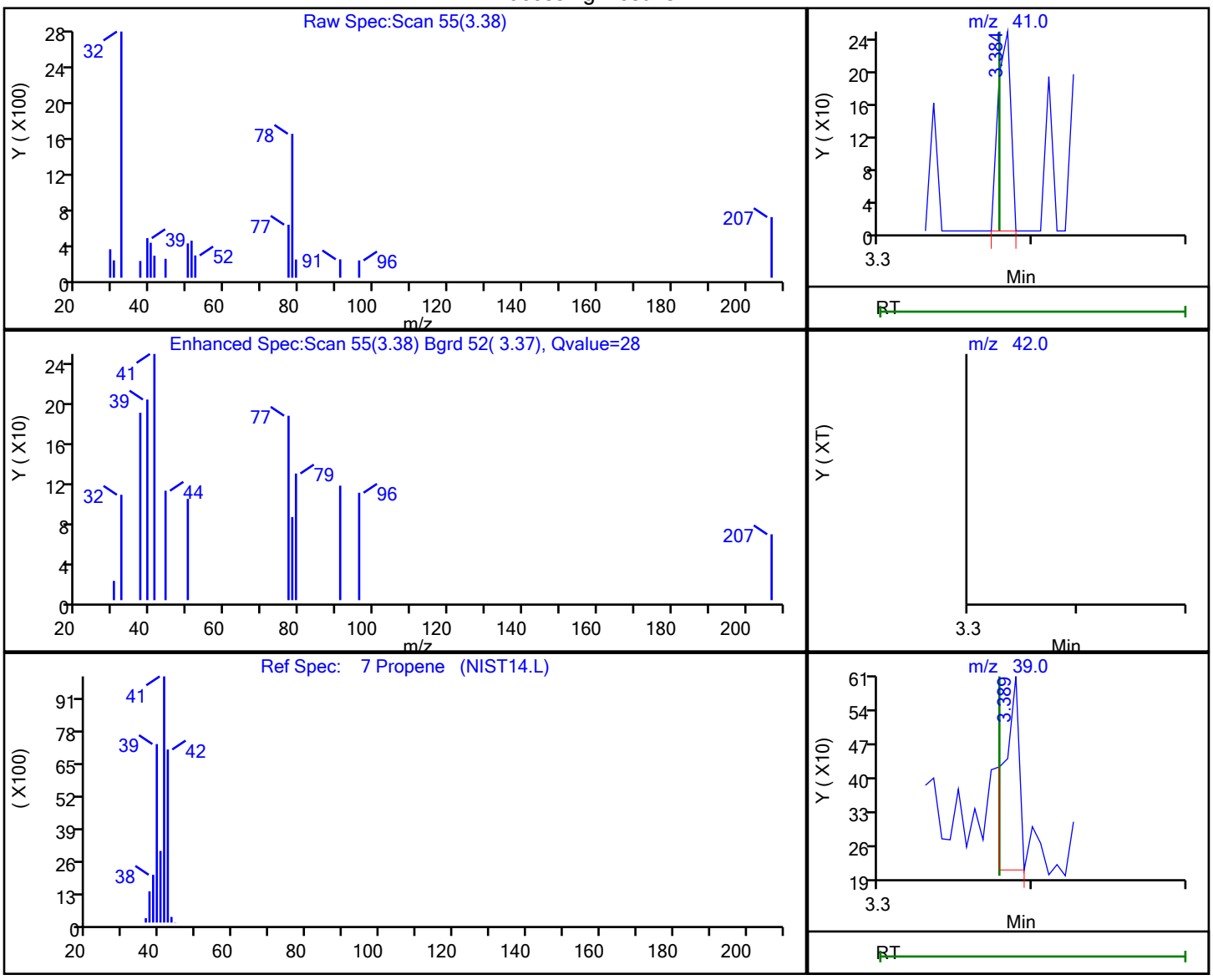
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK09.D				
Injection Date:	09-Jan-2021 01:43:30	Instrument ID:	MR		
Lims ID:	140-21567-A-9	Lab Sample ID:	140-21567-9		
Client ID:	11690				
Operator ID:	HMT	ALS Bottle#:	3	Worklist Smp#:	21
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
3.38	41.00	141	0.003439
3.38	42.00	0	
3.39	39.00	272	

Reviewer: khachitpongpanits, 11-Jan-2021 13:57:25

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

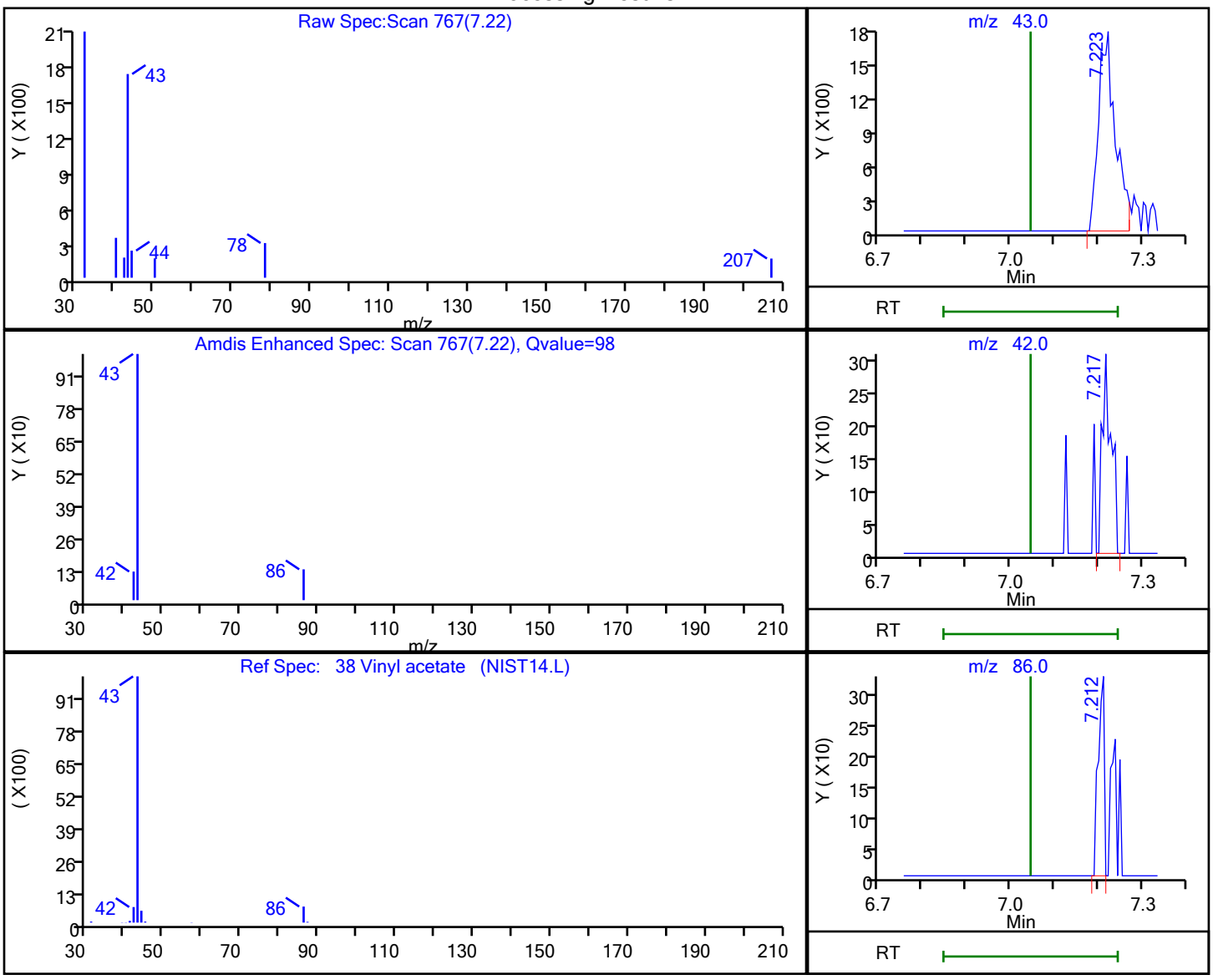
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK09.D				
Injection Date:	09-Jan-2021 01:43:30	Instrument ID:	MR		
Lims ID:	140-21567-A-9	Lab Sample ID:	140-21567-9		
Client ID:	11690				
Operator ID:	HMT	ALS Bottle#:	3	Worklist Smp#:	21
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		

38 Vinyl acetate, CAS: 108-05-4

Processing Results



RT	Mass	Response	Amount
7.22	43.00	4604	0.037519
7.22	42.00	440	
7.21	86.00	312	

Reviewer: khachitpongpanits, 11-Jan-2021 13:57:39

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.: 140-21567-1

SDG No.:

Client Sample ID: 10977 Lab Sample ID: 140-21567-10

Matrix: Air Lab File ID: 21567BK10.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 02:35

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 10977 Lab Sample ID: 140-21567-10

Matrix: Air Lab File ID: 21567BK10.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 02:35

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 10977 Lab Sample ID: 140-21567-10

Matrix: Air Lab File ID: 21567BK10.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 02:35

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 10977 Lab Sample ID: 140-21567-10

Matrix: Air Lab File ID: 21567BK10.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 02:35

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.: 45850 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\20210107-17840.b\21567BK10.D				
Lims ID:	140-21567-A-10				
Client ID:	10977				
Sample Type:	Client				
Inject. Date:	09-Jan-2021 02:35:30	ALS Bottle#:	4	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017840-022				
Misc. Info.:	10977				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 14:00:17	Calib Date:	17-Dec-2020 08:26:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20201216-17637.b\RL16IC02R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 14:00:17		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.209	8.220	-0.011	95	137452	4.80	
* 2 1,4-Difluorobenzene	114	10.426	10.437	-0.011	96	766664	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.268	15.274	-0.006	91	607402	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.924	16.929	-0.005	77	447893	4.29	

QC Flag Legend

Processing Flags

Reagents:

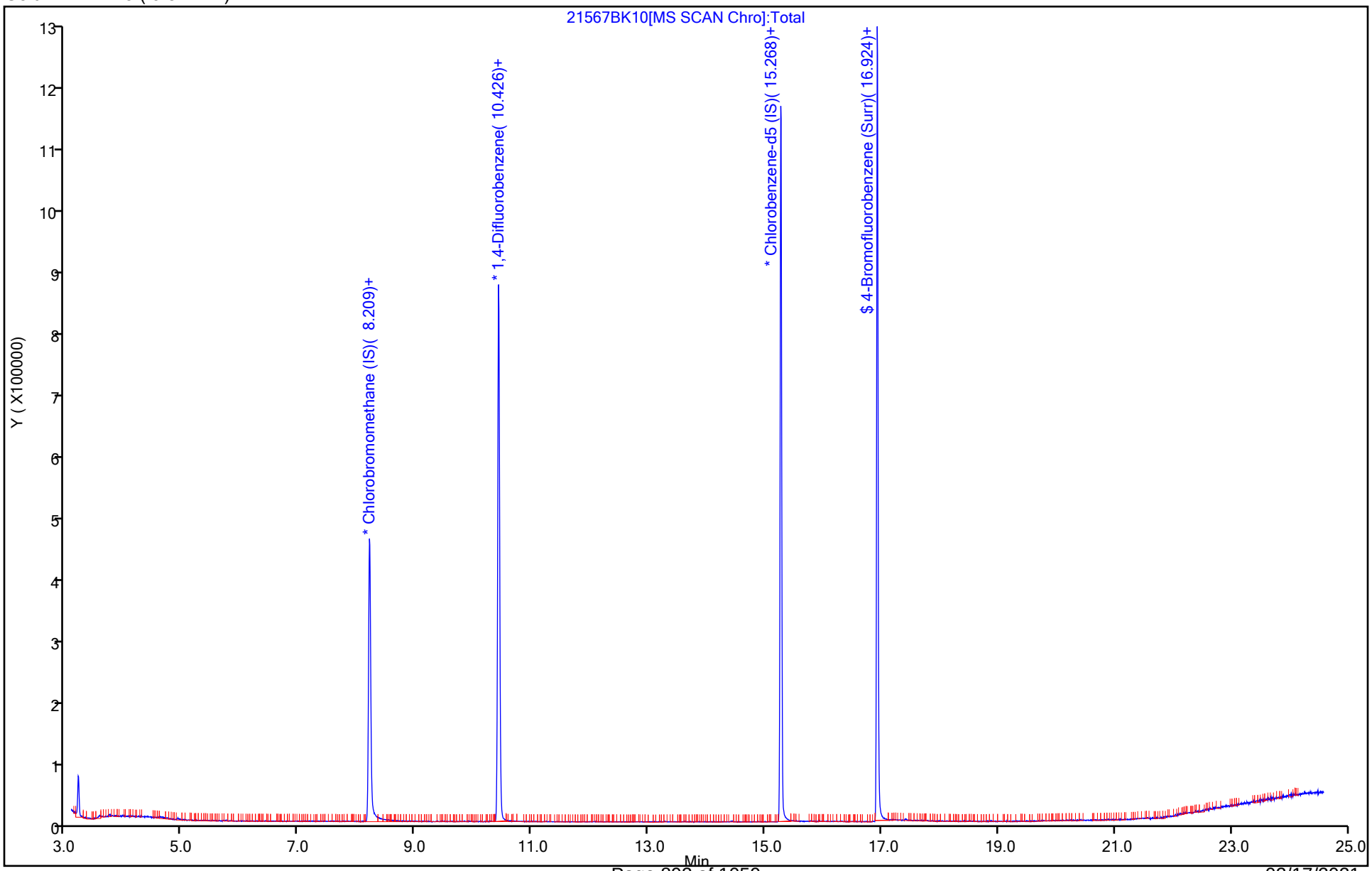
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 11-Jan-2021 14:00:18 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK10.D				
Injection Date:	09-Jan-2021 02:35:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-21567-A-10	Lab Sample ID:	140-21567-10	Worklist Smp#:	22
Client ID:	10977				
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)



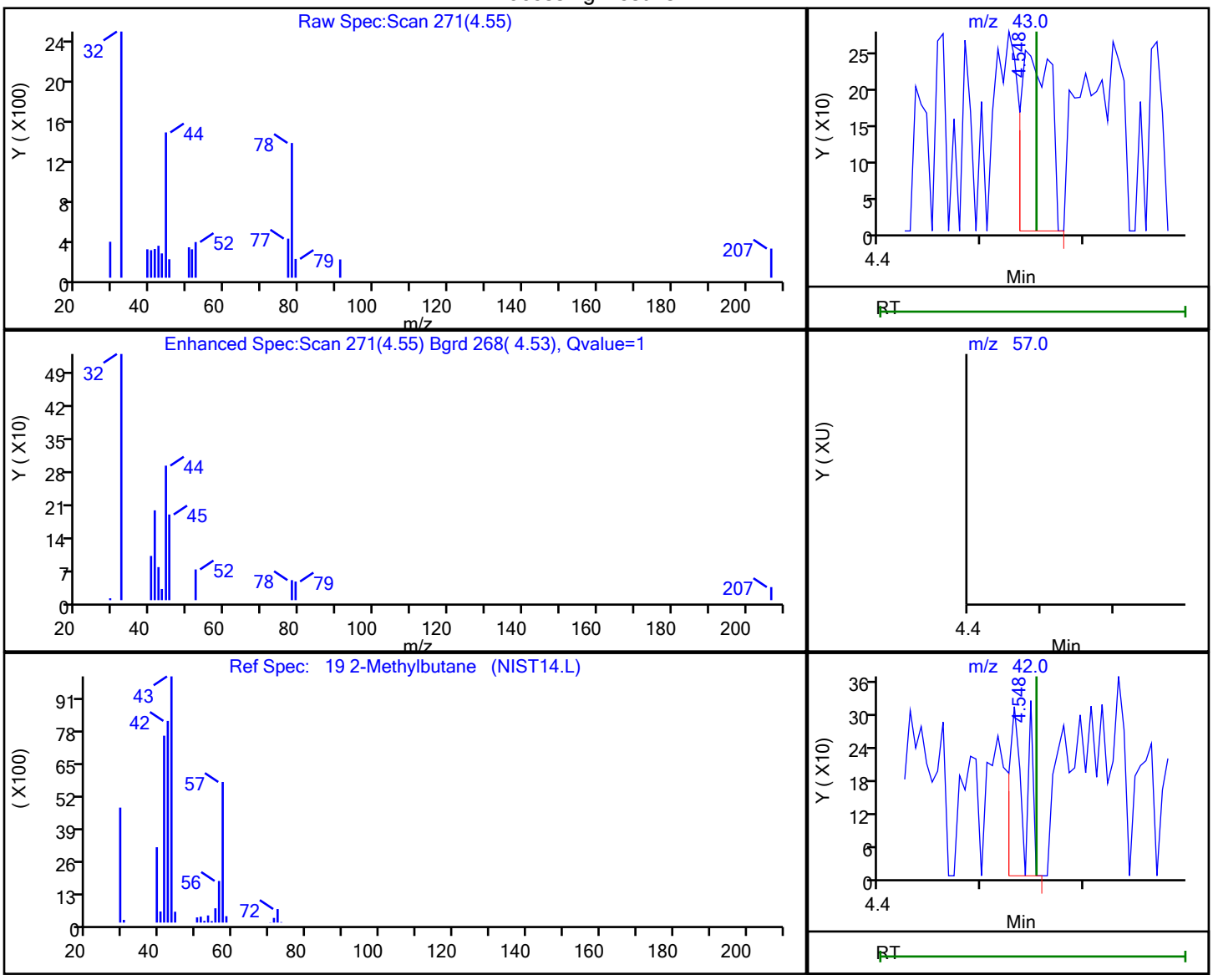
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK10.D				
Injection Date:	09-Jan-2021 02:35:30	Instrument ID:	MR		
Lims ID:	140-21567-A-10	Lab Sample ID:	140-21567-10		
Client ID:	10977				
Operator ID:	HMT	ALS Bottle#:	4	Worklist Smp#:	22
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		

19 2-Methylbutane, CAS: 78-78-4

Processing Results



RT	Mass	Response	Amount
4.55	43.00	499	0.016477
4.55	57.00	0	
4.55	42.00	325	

Reviewer: khachitpongpanits, 11-Jan-2021 13:58:52

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

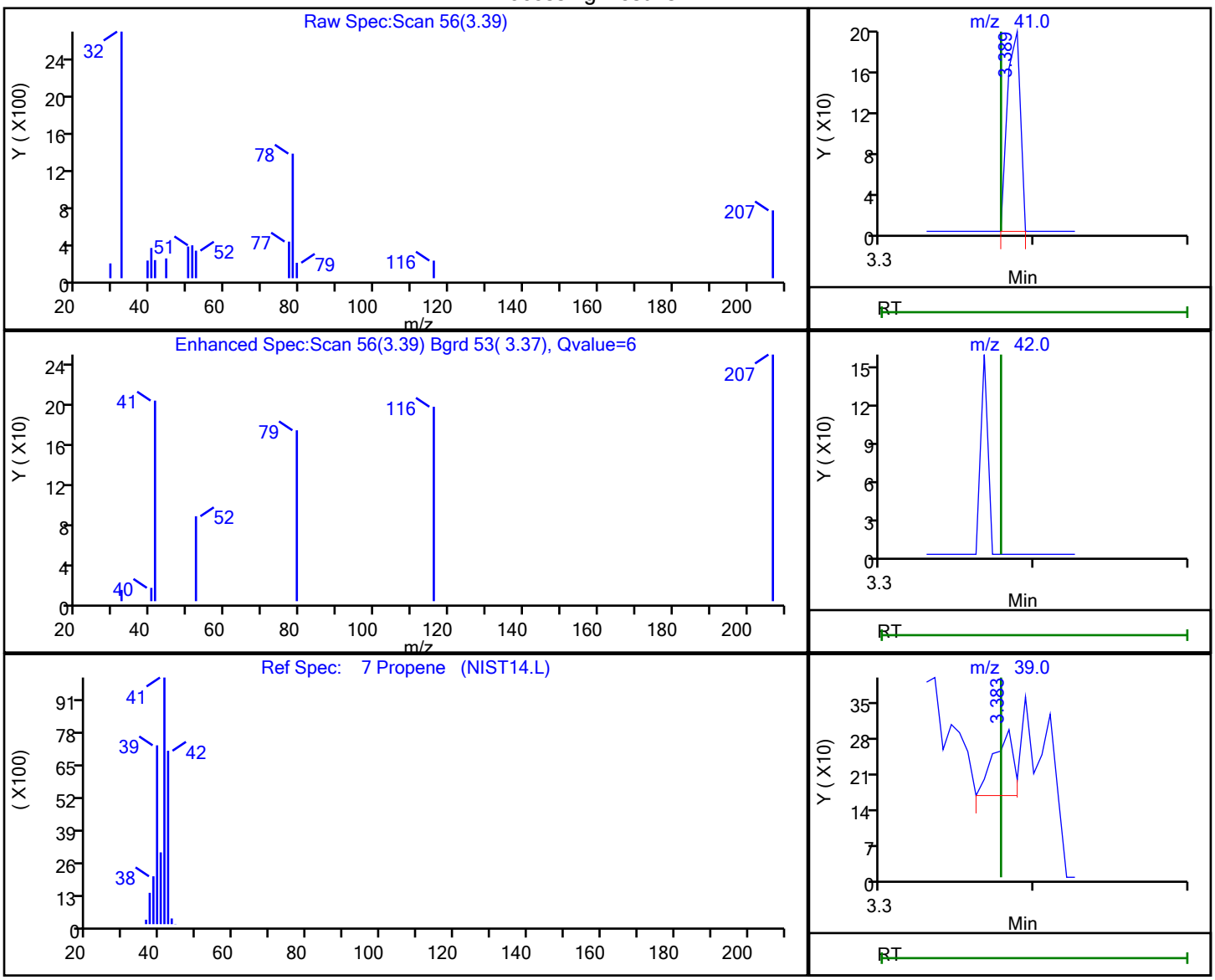
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK10.D				
Injection Date:	09-Jan-2021 02:35:30	Instrument ID:	MR		
Lims ID:	140-21567-A-10	Lab Sample ID:	140-21567-10		
Client ID:	10977				
Operator ID:	HMT	ALS Bottle#:	4	Worklist Smp#:	22
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
3.39	41.00	115	0.002899
3.38	42.00	0	
3.38	39.00	117	

Reviewer: khachitpongpanits, 11-Jan-2021 13:58:47

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.: 140-21567-1

SDG No.:

Client Sample ID: 10798 Lab Sample ID: 140-21567-11

Matrix: Air Lab File ID: 21567BK11.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 03:26

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 10798 Lab Sample ID: 140-21567-11

Matrix: Air Lab File ID: 21567BK11.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 03:26

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 10798 Lab Sample ID: 140-21567-11

Matrix: Air Lab File ID: 21567BK11.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 03:26

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 10798 Lab Sample ID: 140-21567-11

Matrix: Air Lab File ID: 21567BK11.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 03:26

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.: 45850 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\20210107-17840.b\21567BK11.D				
Lims ID:	140-21567-A-11				
Client ID:	10798				
Sample Type:	Client				
Inject. Date:	09-Jan-2021 03:26:30	ALS Bottle#:	5	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017840-023				
Misc. Info.:	10798				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 14:03:43	Calib Date:	17-Dec-2020 08:26:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20201216-17637.b\RL16IC02R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 14:03:43		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.204	8.220	-0.016	95	141774	4.80	
* 2 1,4-Difluorobenzene	114	10.426	10.437	-0.011	96	751103	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.268	15.274	-0.006	91	591428	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.924	16.929	-0.005	78	446966	4.39	
51 Benzene	78	9.838	9.854	-0.016	1	1185	0.008791	
73 Tetrachloroethene	129	14.432	14.433	-0.006	70	930	0.0166	

QC Flag Legend

Processing Flags

Reagents:

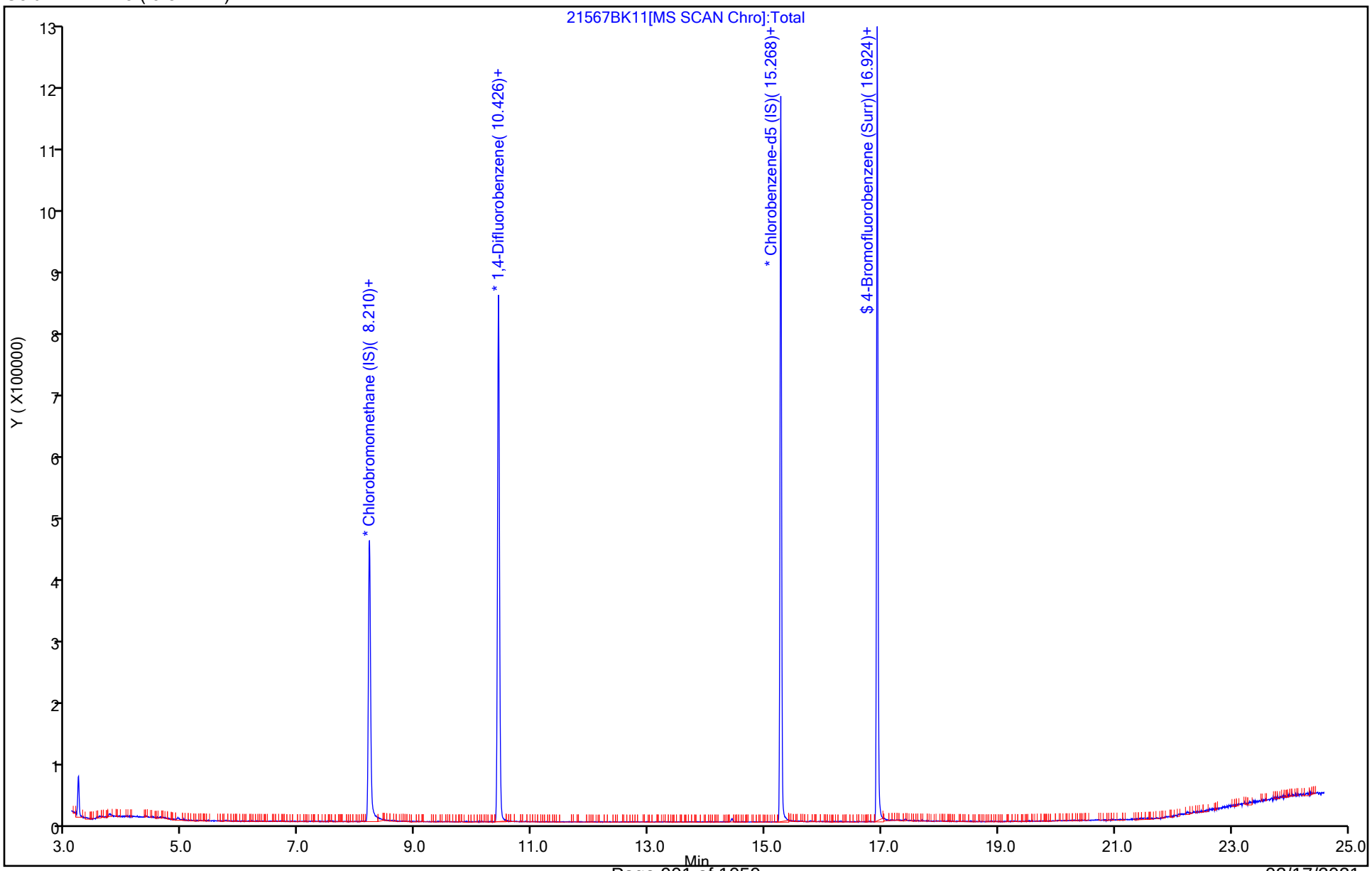
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 11-Jan-2021 14:03:44 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK11.D				
Injection Date:	09-Jan-2021 03:26:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-21567-A-11	Lab Sample ID:	140-21567-11	Worklist Smp#:	23
Client ID:	10798				
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)



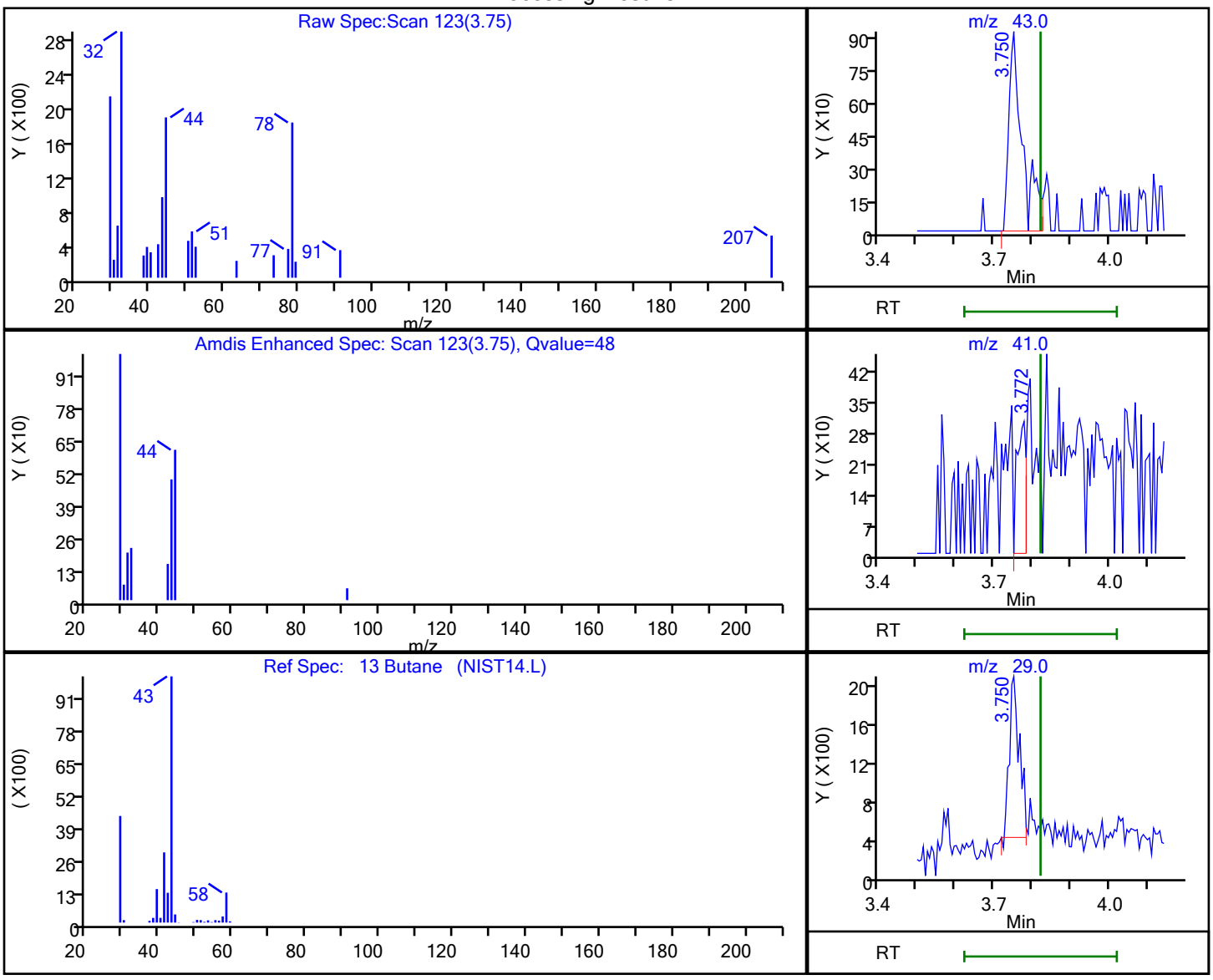
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK11.D				
Injection Date:	09-Jan-2021 03:26:30	Instrument ID:	MR		
Lims ID:	140-21567-A-11	Lab Sample ID:	140-21567-11		
Client ID:	10798				
Operator ID:	HMT	ALS Bottle#:	5	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		

13 Butane, CAS: 106-97-8

Processing Results



RT	Mass	Response	Amount
3.75	43.00	2348	0.047314
3.77	41.00	485	
3.75	29.00	3066	

Reviewer: khachitpongpanits, 11-Jan-2021 14:03:13

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

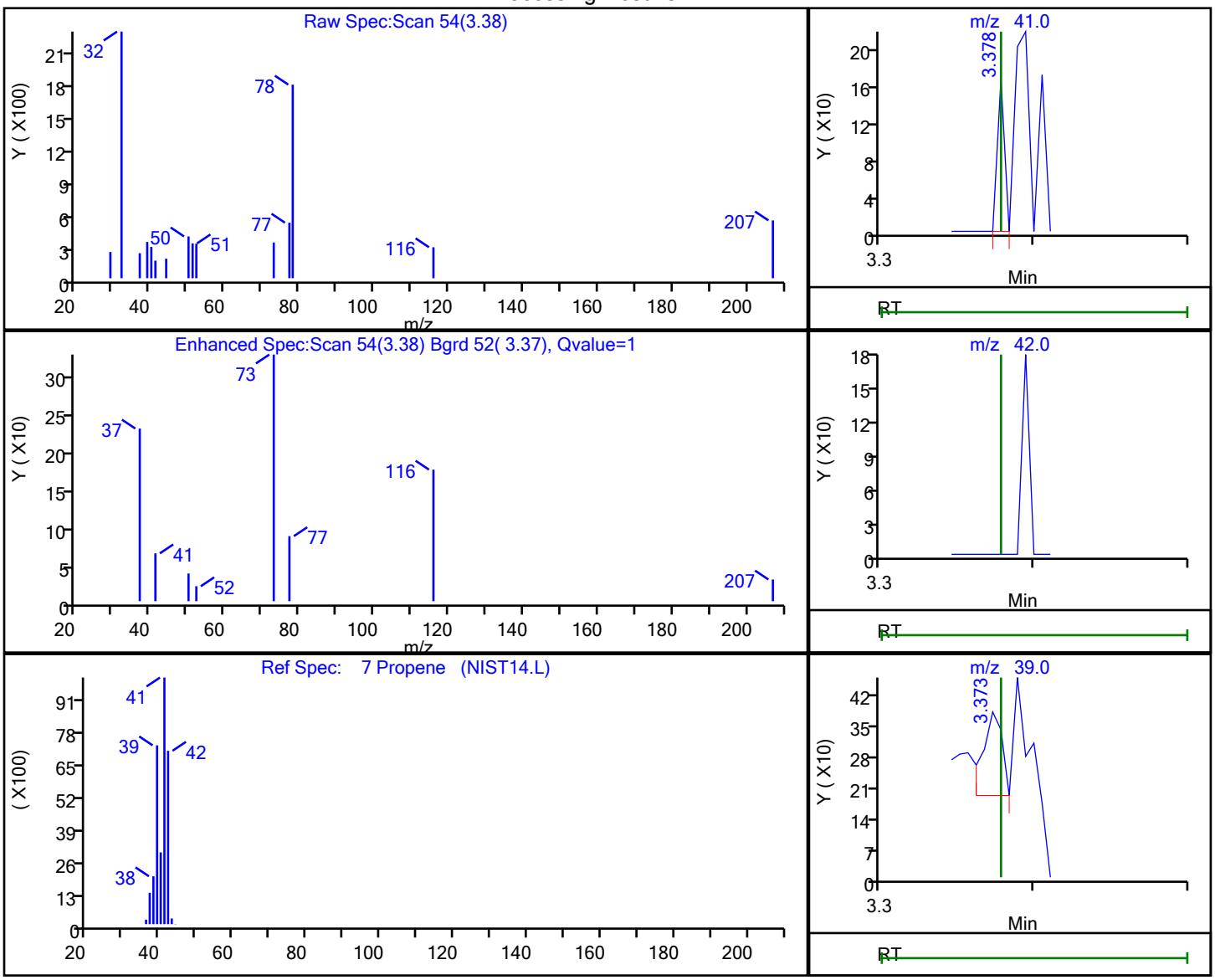
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK11.D				
Injection Date:	09-Jan-2021 03:26:30	Instrument ID:	MR		
Lims ID:	140-21567-A-11	Lab Sample ID:	140-21567-11		
Client ID:	10798				
Operator ID:	HMT	ALS Bottle#:	5	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		

7 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
3.38	41.00	52	0.001271
3.38	42.00	0	
3.37	39.00	166	

Reviewer: khachitpongpanits, 11-Jan-2021 14:03:00

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.: 140-21567-1

SDG No.:

Client Sample ID: 11981 Lab Sample ID: 140-21567-12

Matrix: Air Lab File ID: 21567BK12.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 04:17

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 11981 Lab Sample ID: 140-21567-12

Matrix: Air Lab File ID: 21567BK12.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 04:17

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 11981 Lab Sample ID: 140-21567-12

Matrix: Air Lab File ID: 21567BK12.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 04:17

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 11981 Lab Sample ID: 140-21567-12

Matrix: Air Lab File ID: 21567BK12.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 04:17

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.: 45850 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\20210107-17840.b\21567BK12.D				
Lims ID:	140-21567-A-12				
Client ID:	11981				
Sample Type:	Client				
Inject. Date:	09-Jan-2021 04:17:30	ALS Bottle#:	6	Worklist Smp#:	24
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017840-024				
Misc. Info.:	11981				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 14:05:14	Calib Date:	17-Dec-2020 08:26:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20201216-17637.b\RL16IC02R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 14:05:14		

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
*	1 Chlorobromomethane (IS)	128	8.215	8.220	-0.005	95	133626	4.80	
*	2 1,4-Difluorobenzene	114	10.426	10.437	-0.011	96	734914	4.80	
*	3 Chlorobenzene-d5 (IS)	117	15.268	15.274	-0.006	91	586002	4.80	
$	4 4-Bromofluorobenzene (Surr)	95	16.924	16.929	-0.005	86	432897	4.29	

QC Flag Legend

Processing Flags

Reagents:

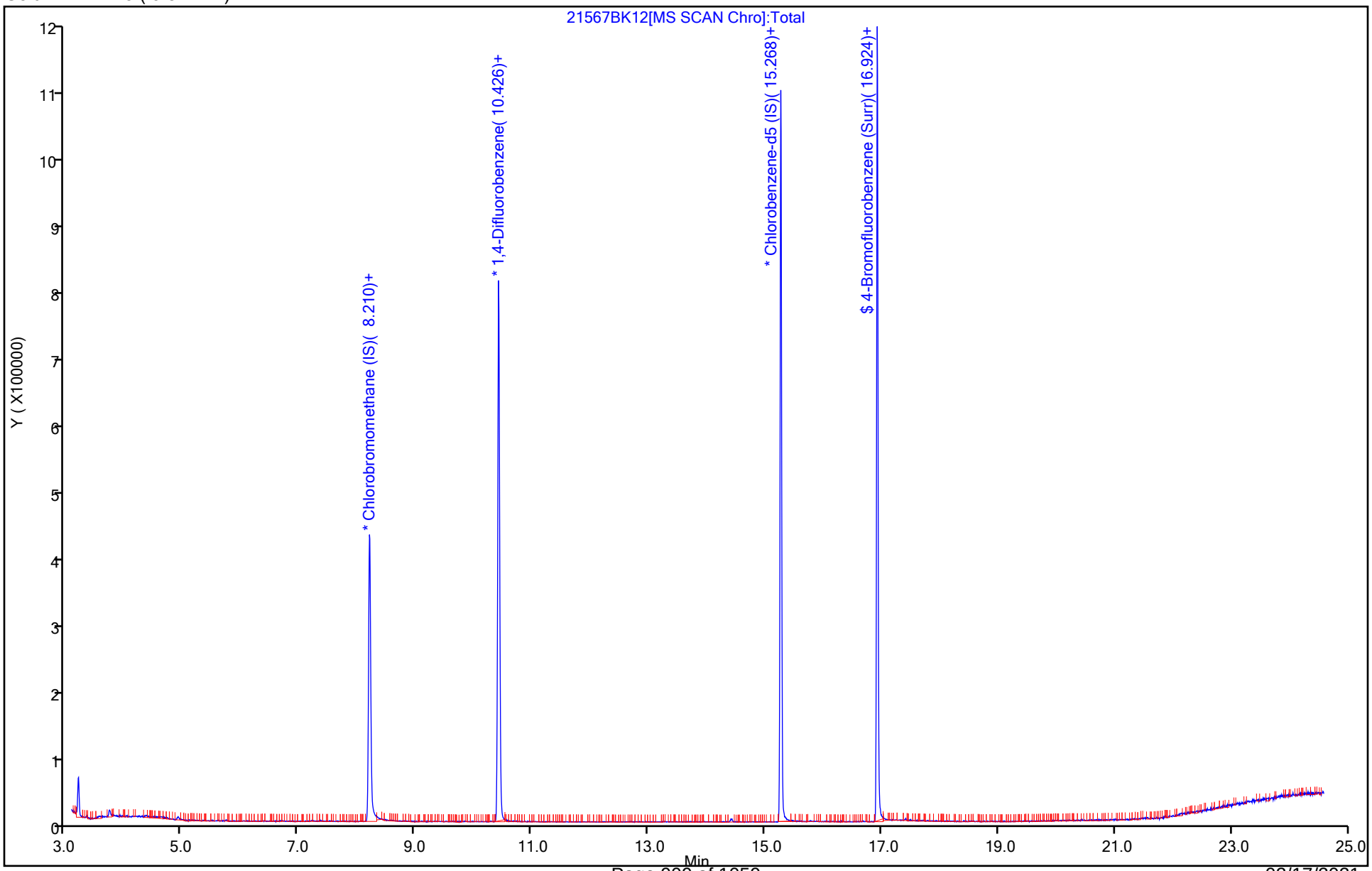
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 11-Jan-2021 14:05:14 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK12.D				
Injection Date:	09-Jan-2021 04:17:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-21567-A-12	Lab Sample ID:	140-21567-12	Worklist Smp#:	24
Client ID:	11981				
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)



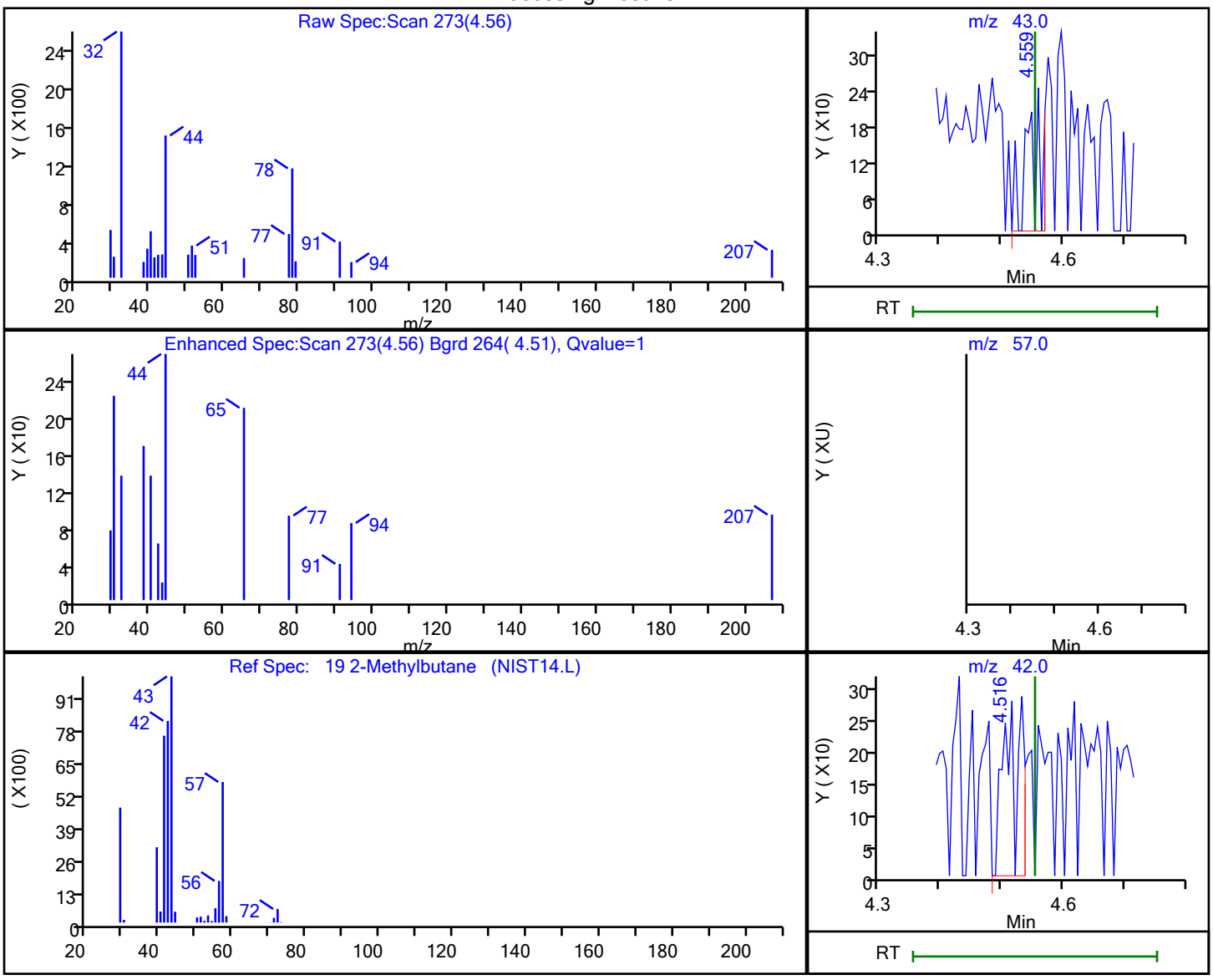
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK12.D				
Injection Date:	09-Jan-2021 04:17:30	Instrument ID:	MR		
Lims ID:	140-21567-A-12	Lab Sample ID:	140-21567-12		
Client ID:	11981				
Operator ID:	HMT	ALS Bottle#:	6	Worklist Smp#:	24
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		

19 2-Methylbutane, CAS: 78-78-4

Processing Results



RT	Mass	Response	Amount
4.56	43.00	370	0.012567
4.55	57.00	0	
4.52	42.00	544	

Reviewer: khachitpongpanits, 11-Jan-2021 14:04:24

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

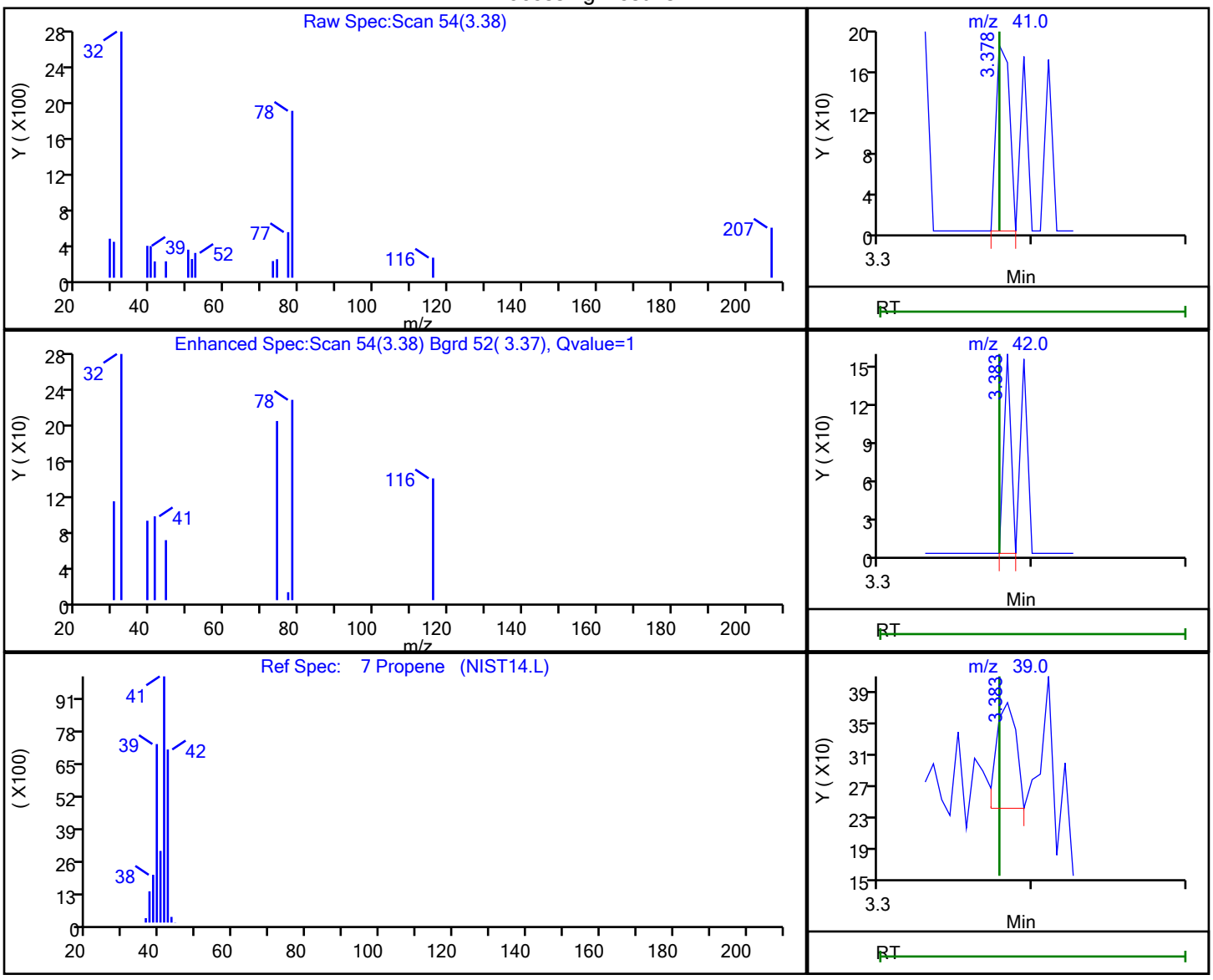
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK12.D				
Injection Date:	09-Jan-2021 04:17:30	Instrument ID:	MR		
Lims ID:	140-21567-A-12	Lab Sample ID:	140-21567-12		
Client ID:	11981				
Operator ID:	HMT	ALS Bottle#:	6	Worklist Smp#:	24
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
3.38	41.00	110	0.002853
3.38	42.00	52	
3.38	39.00	120	

Reviewer: khachitpongpanits, 11-Jan-2021 14:04:04

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.: 140-21567-1

SDG No.:

Client Sample ID: 11025 Lab Sample ID: 140-21567-13

Matrix: Air Lab File ID: 21567BK13.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 05:09

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 11025 Lab Sample ID: 140-21567-13

Matrix: Air Lab File ID: 21567BK13.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 05:09

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 11025 Lab Sample ID: 140-21567-13

Matrix: Air Lab File ID: 21567BK13.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 05:09

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.: 45850 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.: 140-21567-1

SDG No.:

Client Sample ID: 11025 Lab Sample ID: 140-21567-13

Matrix: Air Lab File ID: 21567BK13.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 05:09

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.: 45850 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\20210107-17840.b\21567BK13.D				
Lims ID:	140-21567-A-13				
Client ID:	11025				
Sample Type:	Client				
Inject. Date:	09-Jan-2021 05:09:30	ALS Bottle#:	7	Worklist Smp#:	25
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017840-025				
Misc. Info.:	11025				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 14:07:18	Calib Date:	17-Dec-2020 08:26:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20201216-17637.b\RL16IC02R.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 14:07:18		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.215	8.220	-0.005	95	132824	4.80	
* 2 1,4-Difluorobenzene	114	10.431	10.437	-0.006	96	710693	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.268	15.274	-0.006	91	572015	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	16.924	16.929	-0.005	77	422691	4.29	
51 Benzene	78	9.833	9.854	-0.021	1	977	0.007660	

QC Flag Legend

Processing Flags

Reagents:

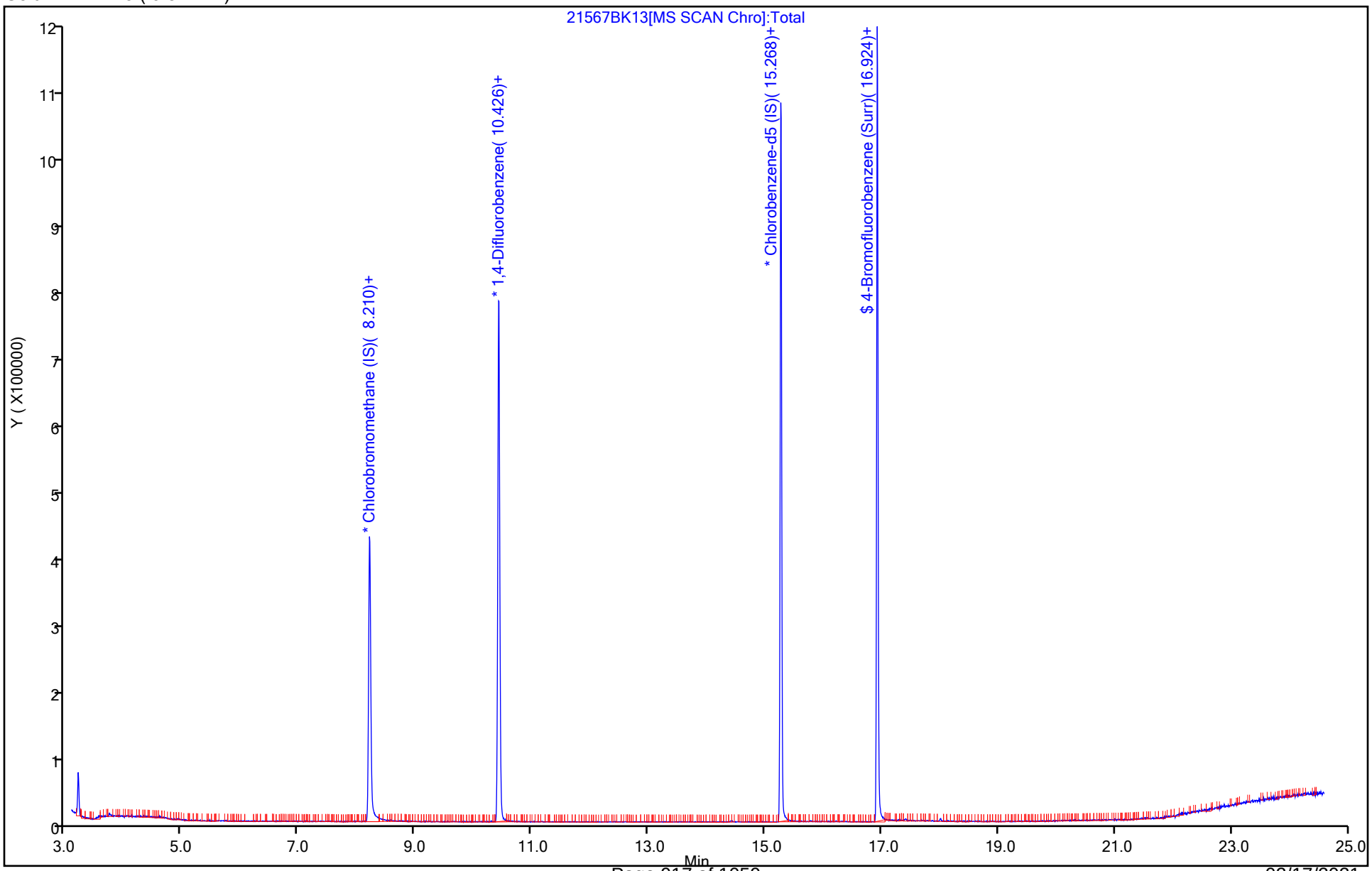
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 11-Jan-2021 14:07:18 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK13.D				
Injection Date:	09-Jan-2021 05:09:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-21567-A-13	Lab Sample ID:	140-21567-13	Worklist Smp#:	25
Client ID:	11025				
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)



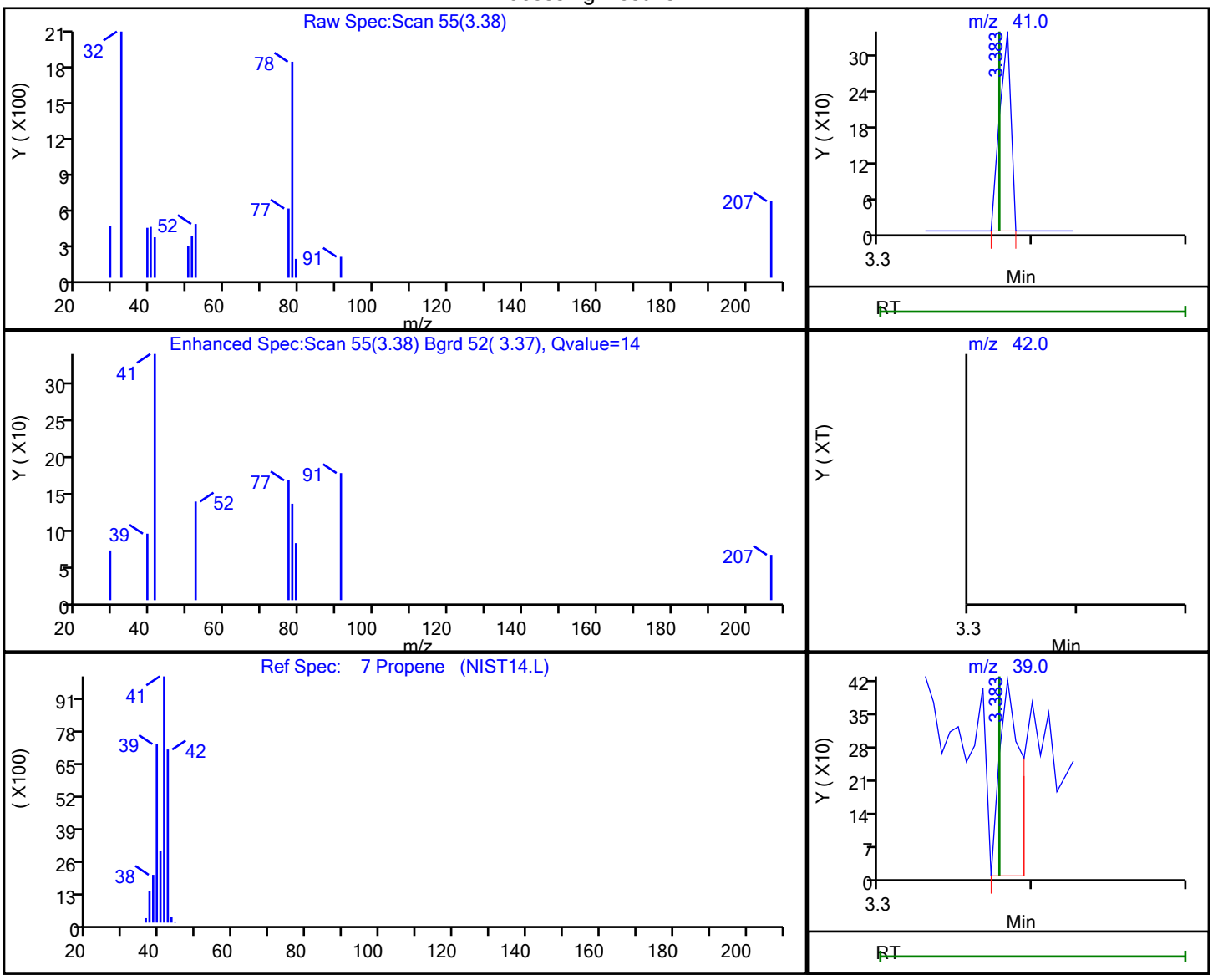
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20210107-17840.b\21567BK13.D				
Injection Date:	09-Jan-2021 05:09:30	Instrument ID:	MR		
Lims ID:	140-21567-A-13	Lab Sample ID:	140-21567-13		
Client ID:	11025				
Operator ID:	HMT	ALS Bottle#:	7	Worklist Smp#:	25
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
3.38	41.00	172	0.004488
3.38	42.00	0	
3.38	39.00	392	

Reviewer: khachitpongpanits, 11-Jan-2021 14:06:16

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.: 140-21567-1

SDG No.:

Client Sample ID: 11700 Lab Sample ID: 140-21567-14

Matrix: Air Lab File ID: 21567BK14.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 01:13

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.: 45881 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.: 140-21567-1

SDG No.:

Client Sample ID: 11700 Lab Sample ID: 140-21567-14

Matrix: Air Lab File ID: 21567BK14.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 01:13

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.: 45881 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.: 140-21567-1

SDG No.:

Client Sample ID: 11700 Lab Sample ID: 140-21567-14

Matrix: Air Lab File ID: 21567BK14.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 01:13

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.: 45881 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.: 140-21567-1

SDG No.:

Client Sample ID: 11700 Lab Sample ID: 140-21567-14

Matrix: Air Lab File ID: 21567BK14.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 01:13

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.: 45881 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\MG\20210108-17854.b\21567BK14.D				
Lims ID:	140-21567-A-14				
Client ID:	11700				
Sample Type:	Client				
Inject. Date:	09-Jan-2021 01:13:30	ALS Bottle#:	1	Worklist Smp#:	25
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017854-025				
Misc. Info.:	11700				
Operator ID:	HMT	Instrument ID:	MG		
Method:	\\chromfs\Knoxville\ChromData\MG\20210108-17854.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 11:19:27	Calib Date:	07-Jan-2021 00:17:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MG\20210106-17834.b\GA06IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 11:19:27		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.703	8.704	-0.001	76	490450	4.80	
* 2 1,4-Difluorobenzene	114	10.904	10.898	0.006	94	2133170	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.660	15.660	0.000	86	1994895	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.310	17.310	0.000	92	1453156	4.71	
59 Dibromomethane	93	11.712	11.696	0.016	93	1060	0.007293	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

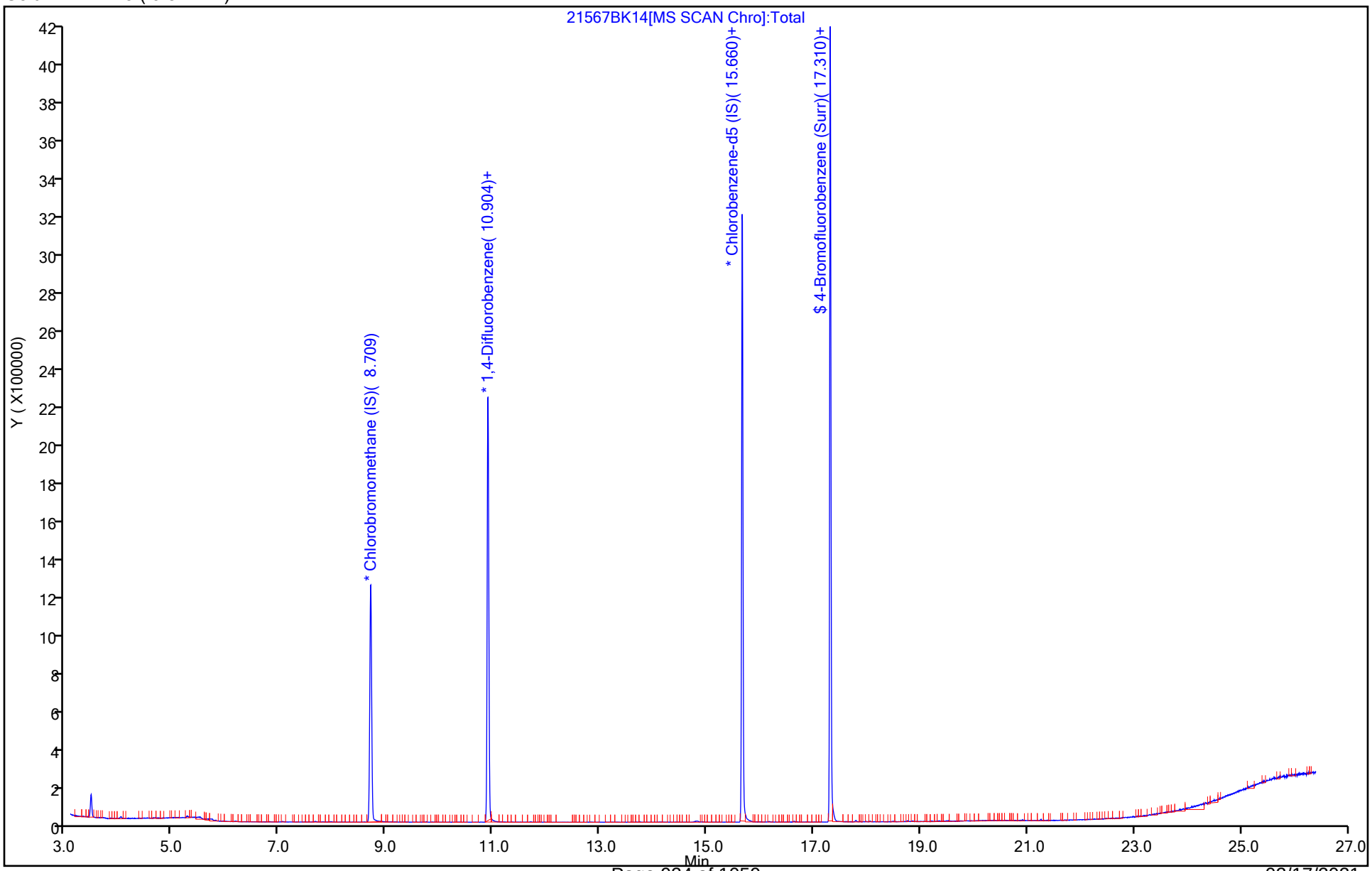
Report Date: 11-Jan-2021 11:19:27 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MG\20210108-17854.b\21567BK14.D

Injection Date:	09-Jan-2021 01:13:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	140-21567-A-14	Lab Sample ID:	140-21567-14	Worklist Smp#:	25
Client ID:	11700				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



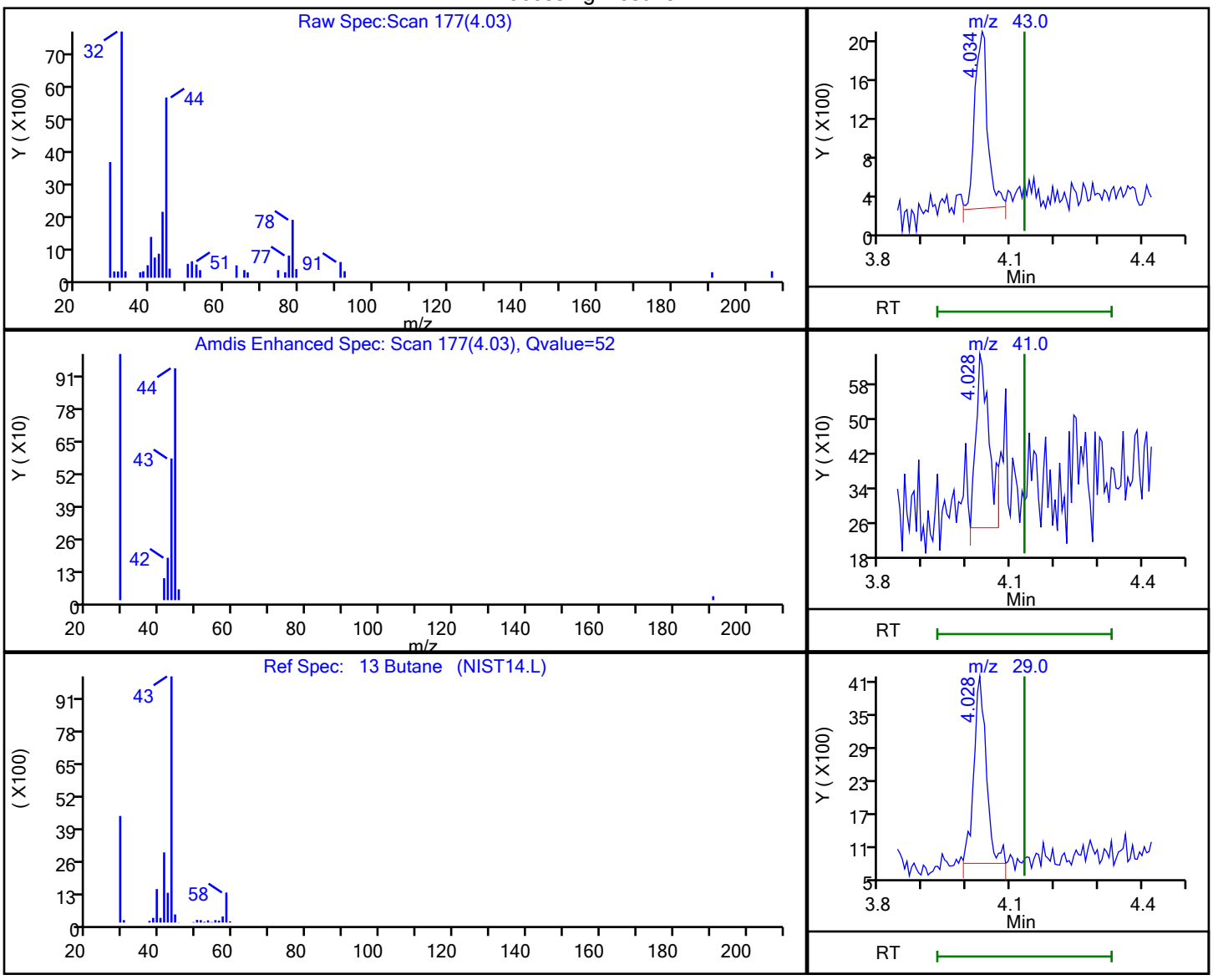
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20210108-17854.b\21567BK14.D				
Injection Date:	09-Jan-2021 01:13:30	Instrument ID:	MG		
Lims ID:	140-21567-A-14	Lab Sample ID:	140-21567-14		
Client ID:	11700				
Operator ID:	HMT	ALS Bottle#:	1	Worklist Smp#:	25
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

13 Butane, CAS: 106-97-8

Processing Results



RT	Mass	Response	Amount
4.03	43.00	3693	0.049165
4.03	41.00	866	
4.03	29.00	6655	

Reviewer: khachitpongpanits, 11-Jan-2021 11:18:58

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.: 140-21567-1

SDG No.:

Client Sample ID: 10716 Lab Sample ID: 140-21567-15

Matrix: Air Lab File ID: 21567BK15.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 01:58

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.: 45881 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.: 140-21567-1

SDG No.:

Client Sample ID: 10716 Lab Sample ID: 140-21567-15

Matrix: Air Lab File ID: 21567BK15.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 01:58

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.: 45881 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.: 140-21567-1

SDG No.:

Client Sample ID: 10716 Lab Sample ID: 140-21567-15

Matrix: Air Lab File ID: 21567BK15.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 01:58

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.: 45881 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.: 140-21567-1

SDG No.:

Client Sample ID: 10716 Lab Sample ID: 140-21567-15

Matrix: Air Lab File ID: 21567BK15.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 01:58

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.: 45881 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\MG\20210108-17854.b\21567BK15.D				
Lims ID:	140-21567-A-15				
Client ID:	10716				
Sample Type:	Client				
Inject. Date:	09-Jan-2021 01:58:30	ALS Bottle#:	3	Worklist Smp#:	26
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017854-026				
Misc. Info.:	10716				
Operator ID:	HMT	Instrument ID:	MG		
Method:	\\chromfs\Knoxville\ChromData\MG\20210108-17854.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 11:20:06	Calib Date:	07-Jan-2021 00:17:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MG\20210106-17834.b\GA06IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 11:20:06		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.709	8.704	0.005	77	471257	4.80	
* 2 1,4-Difluorobenzene	114	10.898	10.898	0.000	94	2069579	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.660	15.660	0.000	86	1978108	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.310	17.310	0.000	92	1471613	4.81	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

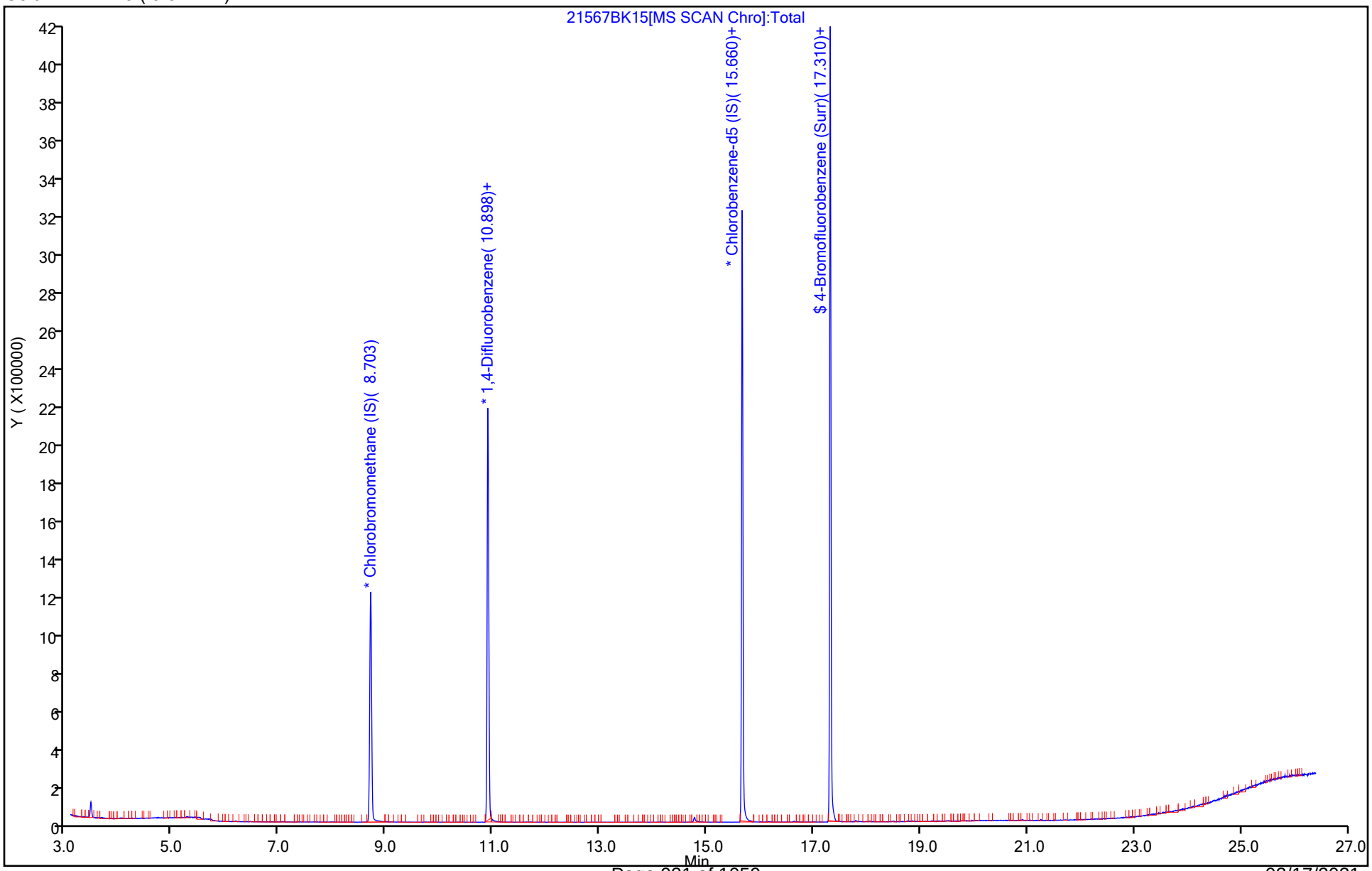
Report Date: 11-Jan-2021 11:20:06 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MG\20210108-17854.b\21567BK15.D

Injection Date:	09-Jan-2021 01:58:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	140-21567-A-15	Lab Sample ID:	140-21567-15	Worklist Smp#:	26
Client ID:	10716				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



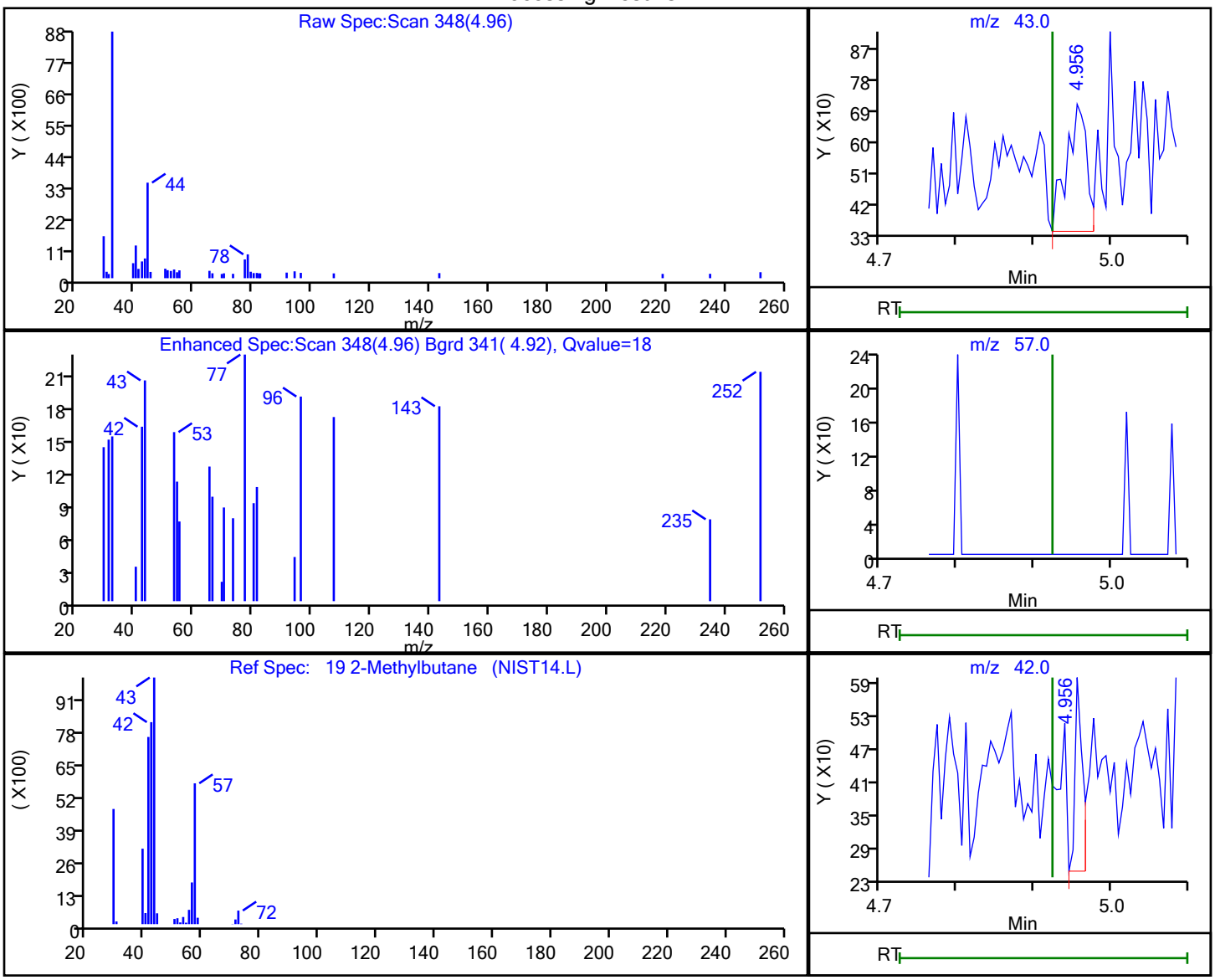
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20210108-17854.b\21567BK15.D				
Injection Date:	09-Jan-2021 01:58:30	Instrument ID:	MG		
Lims ID:	140-21567-A-15	Lab Sample ID:	140-21567-15		
Client ID:	10716				
Operator ID:	HMT	ALS Bottle#:	3	Worklist Smp#:	26
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

19 2-Methylbutane, CAS: 78-78-4

Processing Results



RT	Mass	Response	Amount
4.96	43.00	676	0.012770
4.92	57.00	0	
4.96	42.00	236	

Reviewer: khachitpongpanits, 11-Jan-2021 11:19:39

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.: 140-21567-1

SDG No.:

Client Sample ID: 34001200 Lab Sample ID: 140-21567-16

Matrix: Air Lab File ID: 21567BK16.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 06:07

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.: 45786 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.: 140-21567-1

SDG No.:

Client Sample ID: 34001200 Lab Sample ID: 140-21567-16

Matrix: Air Lab File ID: 21567BK16.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 06:07

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.: 45786 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.: 140-21567-1

SDG No.:

Client Sample ID: 34001200 Lab Sample ID: 140-21567-16

Matrix: Air Lab File ID: 21567BK16.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 06:07

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.: 45786 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.: 140-21567-1

SDG No.:

Client Sample ID: 34001200 Lab Sample ID: 140-21567-16

Matrix: Air Lab File ID: 21567BK16.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:35

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 06:07

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.: 45786 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\MH\20210105-17812.b\21567BK16.D				
Lims ID:	140-21567-A-16				
Client ID:	34001200				
Sample Type:	Client				
Inject. Date:	07-Jan-2021 06:07:30	ALS Bottle#:	17	Worklist Smp#:	26
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017812-026				
Misc. Info.:	34001200				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20210105-17812.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	07-Jan-2021 04:49:25	Calib Date:	19-Sep-2020 06:37:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200918-16664.b\HI18IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1654				
First Level Reviewer: tajh		Date:	07-Jan-2021 07:46:43		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.451	9.457	-0.005	85	192499	4.80	
* 2 1,4-Difluorobenzene	114	11.679	11.679	0.000	93	828002	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.408	16.408	0.000	83	728285	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.031	18.026	0.005	96	438425	3.82	
7 Propene	41	3.870	3.862	0.006	32	253	0.006947	7

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

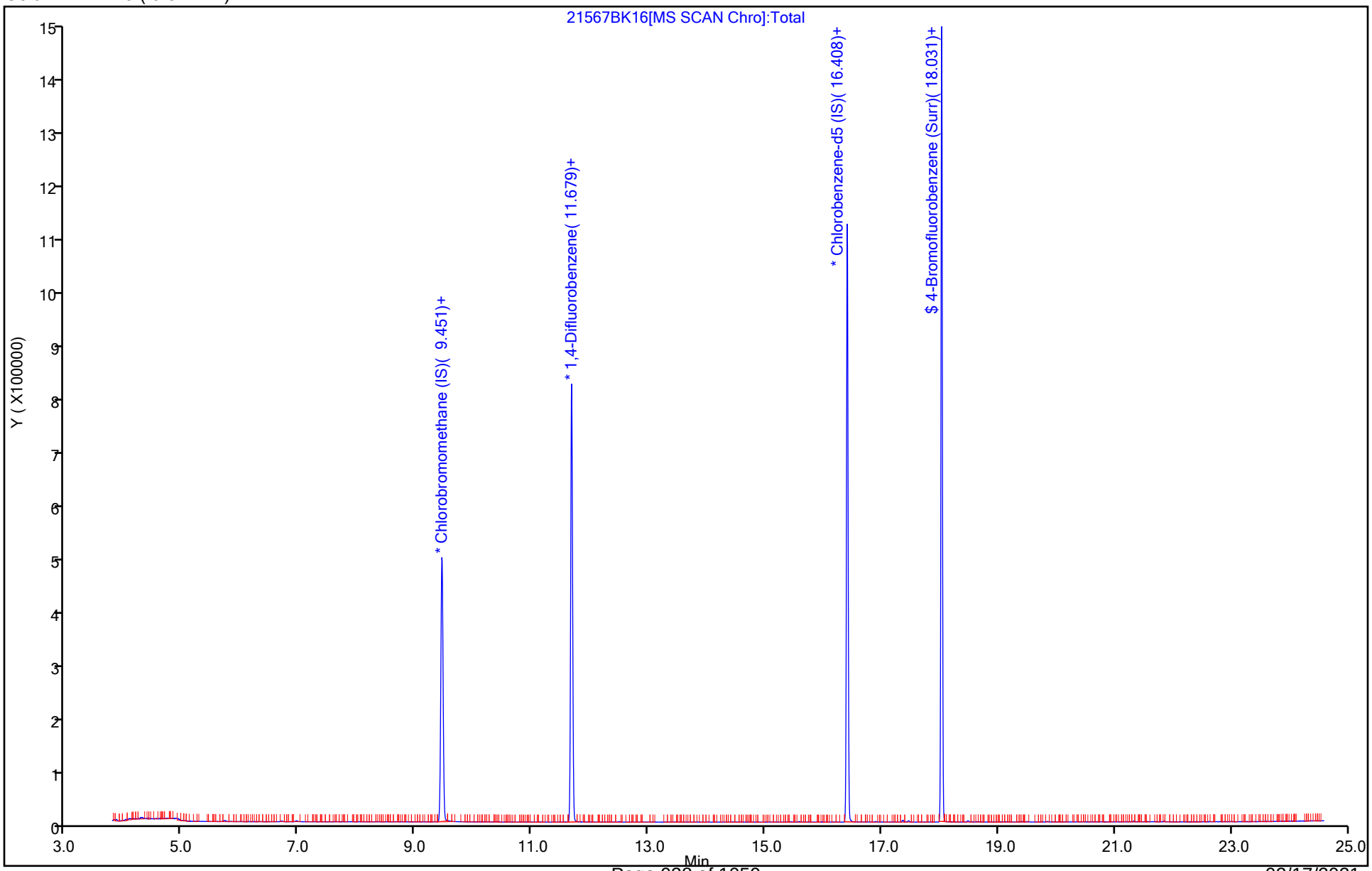
Report Date: 07-Jan-2021 07:46:43 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210105-17812.b\21567BK16.D

Injection Date:	07-Jan-2021 06:07:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-21567-A-16	Lab Sample ID:	140-21567-16	Worklist Smp#:	26
Client ID:	34001200				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MH_TO15	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.: 140-21568-1

SDG No.:

Client Sample ID: 11234 Lab Sample ID: 140-21568-1

Matrix: Air Lab File ID: 21568BK01.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 00:00

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 04:47

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.: 45849 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.: 140-21568-1

SDG No.:

Client Sample ID: 11234 Lab Sample ID: 140-21568-1

Matrix: Air Lab File ID: 21568BK01.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 00:00

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 04:47

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.: 45849 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.: 140-21568-1

SDG No.:

Client Sample ID: 11234 Lab Sample ID: 140-21568-1

Matrix: Air Lab File ID: 21568BK01.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 00:00

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 04:47

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.: 45849 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.: 140-21568-1

SDG No.:

Client Sample ID: 11234 Lab Sample ID: 140-21568-1

Matrix: Air Lab File ID: 21568BK01.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 00:00

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 04:47

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.: 45849 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\MH\20210107-17839.b\21568BK01.D				
Lims ID:	140-21568-A-1				
Client ID:	11234				
Sample Type:	Client				
Inject. Date:	09-Jan-2021 04:47:30	ALS Bottle#:	14	Worklist Smp#:	25
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017839-025				
Misc. Info.:	11234				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20210107-17839.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 12:28:10	Calib Date:	19-Sep-2020 06:37:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200918-16664.b\HI18IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 12:28:10		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.431	9.456	-0.025	88	150834	4.80	
* 2 1,4-Difluorobenzene	114	11.663	11.684	-0.021	94	636113	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.408	16.413	-0.005	85	569465	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.031	18.031	0.000	95	346788	3.86	
7 Propene	41	3.875	3.864	0.011	74	658	0.0231	7
17 Ethanol	31	5.037	5.022	0.015	93	14514	1.10	
23 Acetone	58	5.704	5.689	0.015	99	9760	0.5654	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

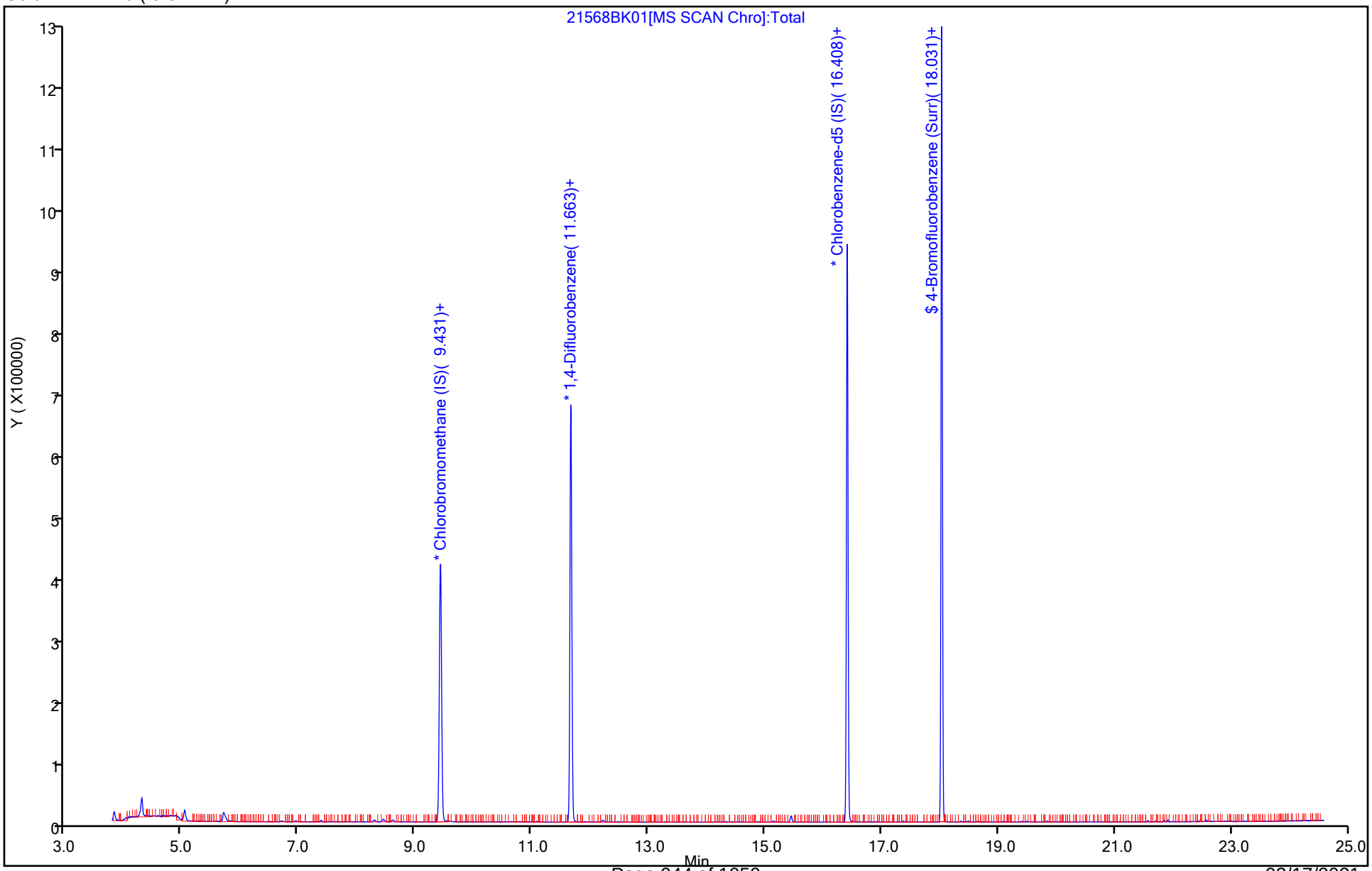
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 11-Jan-2021 12:28:11 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210107-17839.b\21568BK01.D				
Injection Date:	09-Jan-2021 04:47:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-21568-A-1	Lab Sample ID:	140-21568-1	Worklist Smp#:	25
Client ID:	11234				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



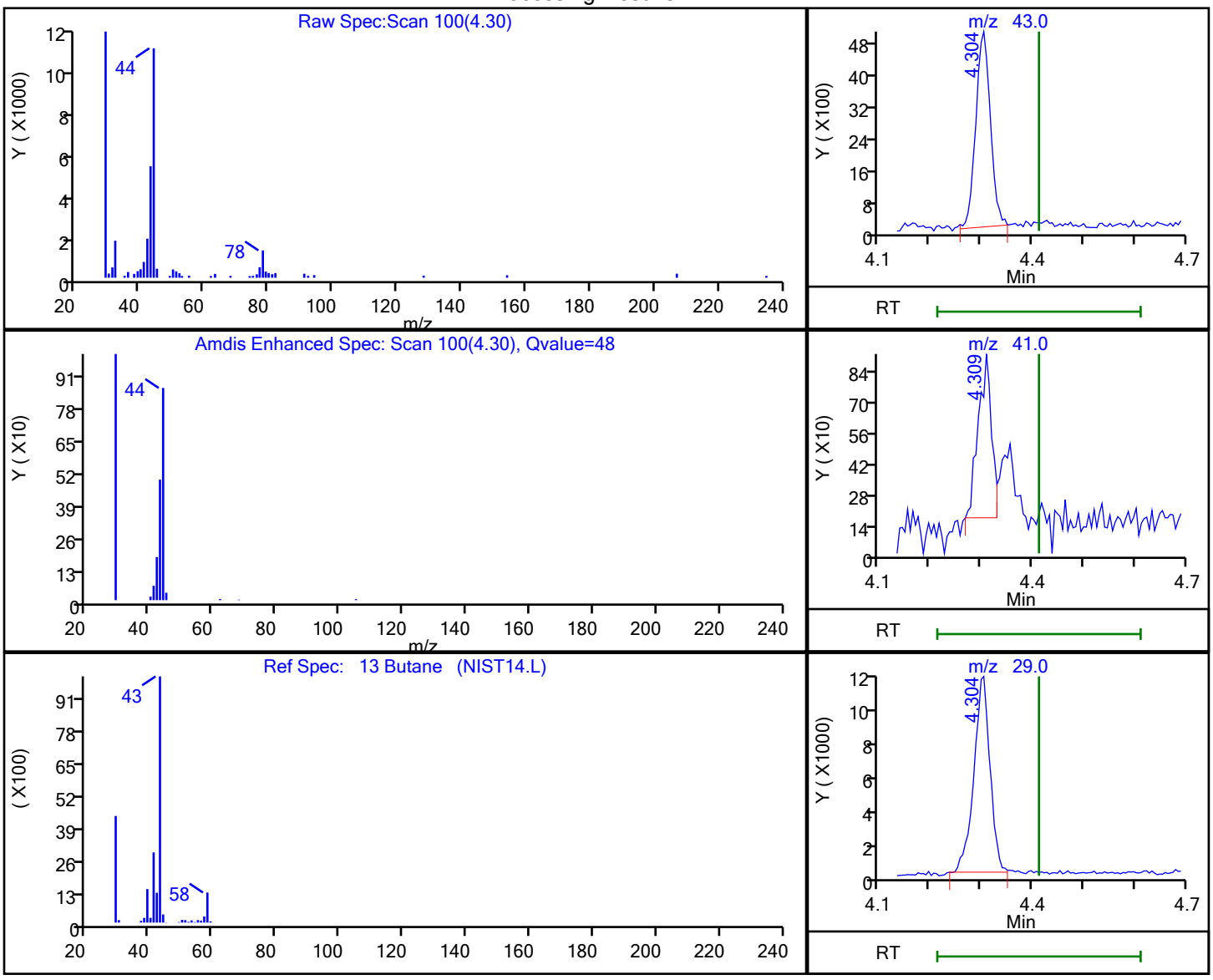
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210107-17839.b\21568BK01.D				
Injection Date:	09-Jan-2021 04:47:30	Instrument ID:	MH		
Lims ID:	140-21568-A-1	Lab Sample ID:	140-21568-1		
Client ID:	11234				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	25
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

13 Butane, CAS: 106-97-8

Processing Results



RT	Mass	Response	Amount
4.30	43.00	9889	0.254802
4.31	41.00	1366	
4.30	29.00	23639	

Reviewer: khachitpongpanits, 11-Jan-2021 12:27:29

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

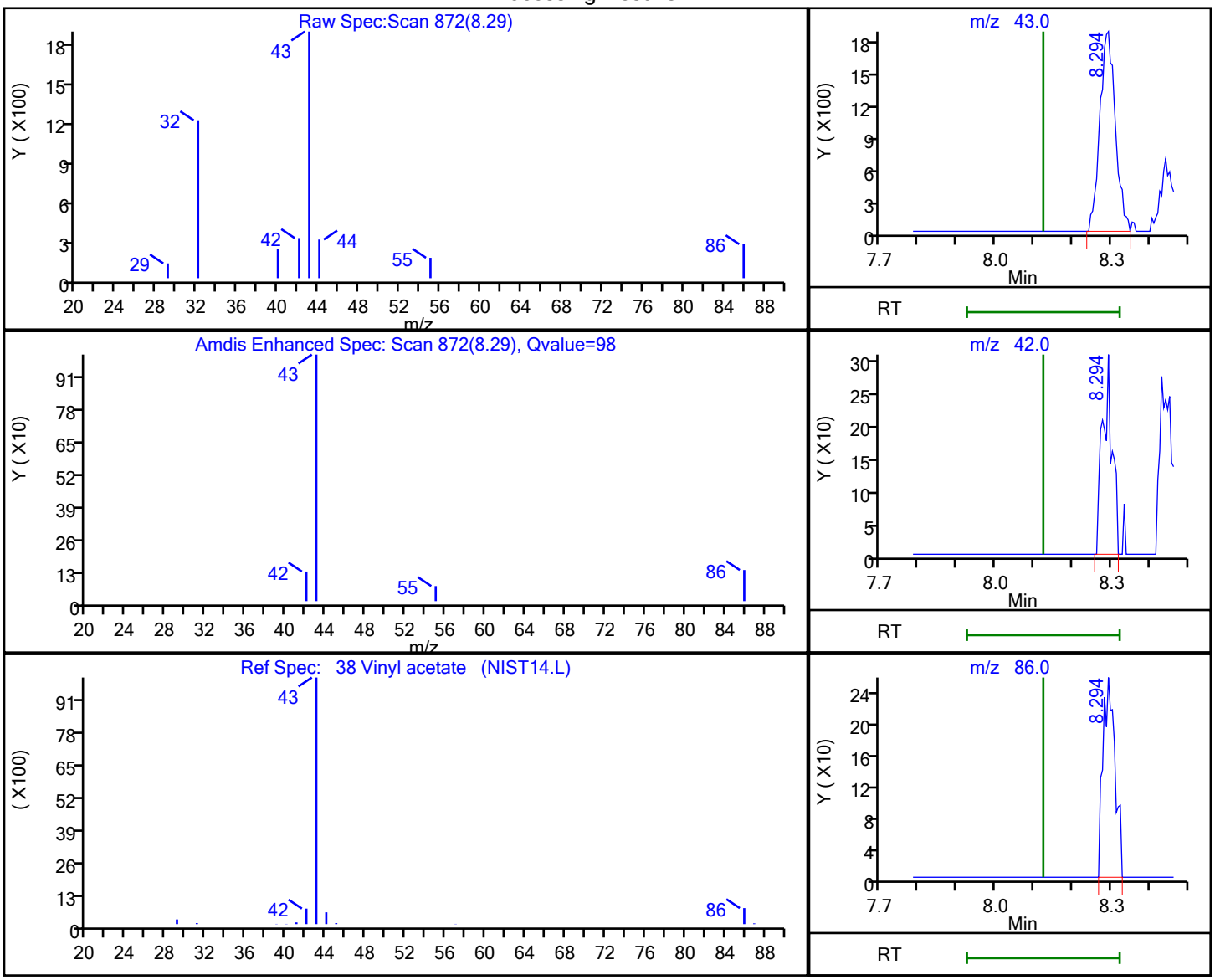
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210107-17839.b\21568BK01.D				
Injection Date:	09-Jan-2021 04:47:30	Instrument ID:	MH		
Lims ID:	140-21568-A-1	Lab Sample ID:	140-21568-1		
Client ID:	11234				
Operator ID:	HMT	ALS Bottle#:	14	Worklist Smp#:	25
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

38 Vinyl acetate, CAS: 108-05-4

Processing Results



RT	Mass	Response	Amount
8.29	43.00	5196	0.063475
8.29	42.00	528	
8.29	86.00	560	

Reviewer: khachitpongpanits, 11-Jan-2021 12:27:42

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.: 140-21568-1

SDG No.:

Client Sample ID: 11040 Lab Sample ID: 140-21568-3

Matrix: Air Lab File ID: GA07BK21568-3.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 18:59

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 11040 Lab Sample ID: 140-21568-3

Matrix: Air Lab File ID: GA07BK21568-3.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 18:59

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.: 45852 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	2.9		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.: 140-21568-1

SDG No.:

Client Sample ID: 11040 Lab Sample ID: 140-21568-3

Matrix: Air Lab File ID: GA07BK21568-3.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 18:59

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 11040 Lab Sample ID: 140-21568-3

Matrix: Air Lab File ID: GA07BK21568-3.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 18:59

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.: 45852 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\MG\20210107-17842.b\GA07BK21568-3.D
Lims ID: 140-21568-A-3
Client ID: 11040
Sample Type: Client
Inject. Date: 07-Jan-2021 18:59:30 ALS Bottle#: 19 Worklist Smp#: 6
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0017842-006
Misc. Info.: 500ML BLK
Operator ID: HMT Instrument ID: MG

Method: \\chromfs\Knoxville\ChromData\MG\20210107-17842.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 11-Jan-2021 10:37:49 Calib Date: 07-Jan-2021 00:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MG\20210106-17834.b\GA06IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: khachitpongpanits Date: 11-Jan-2021 10:37:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.709	8.709	0.000	68	509578	4.80	
* 2 1,4-Difluorobenzene	114	10.904	10.904	0.000	92	2091824	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.665	15.665	0.000	84	2045791	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.310	17.310	0.000	96	1438821	4.55	
6 Chlorodifluoromethane	51	3.645	3.645	0.000	38	3291	0.0184	M
17 Ethanol	31	4.665	4.670	-0.005	94	52390	2.92	
40 Hexane	56	7.976	7.981	-0.005	83	2283	0.0271	
59 Dibromomethane	93	11.707	11.702	0.005	75	1145	0.008033	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

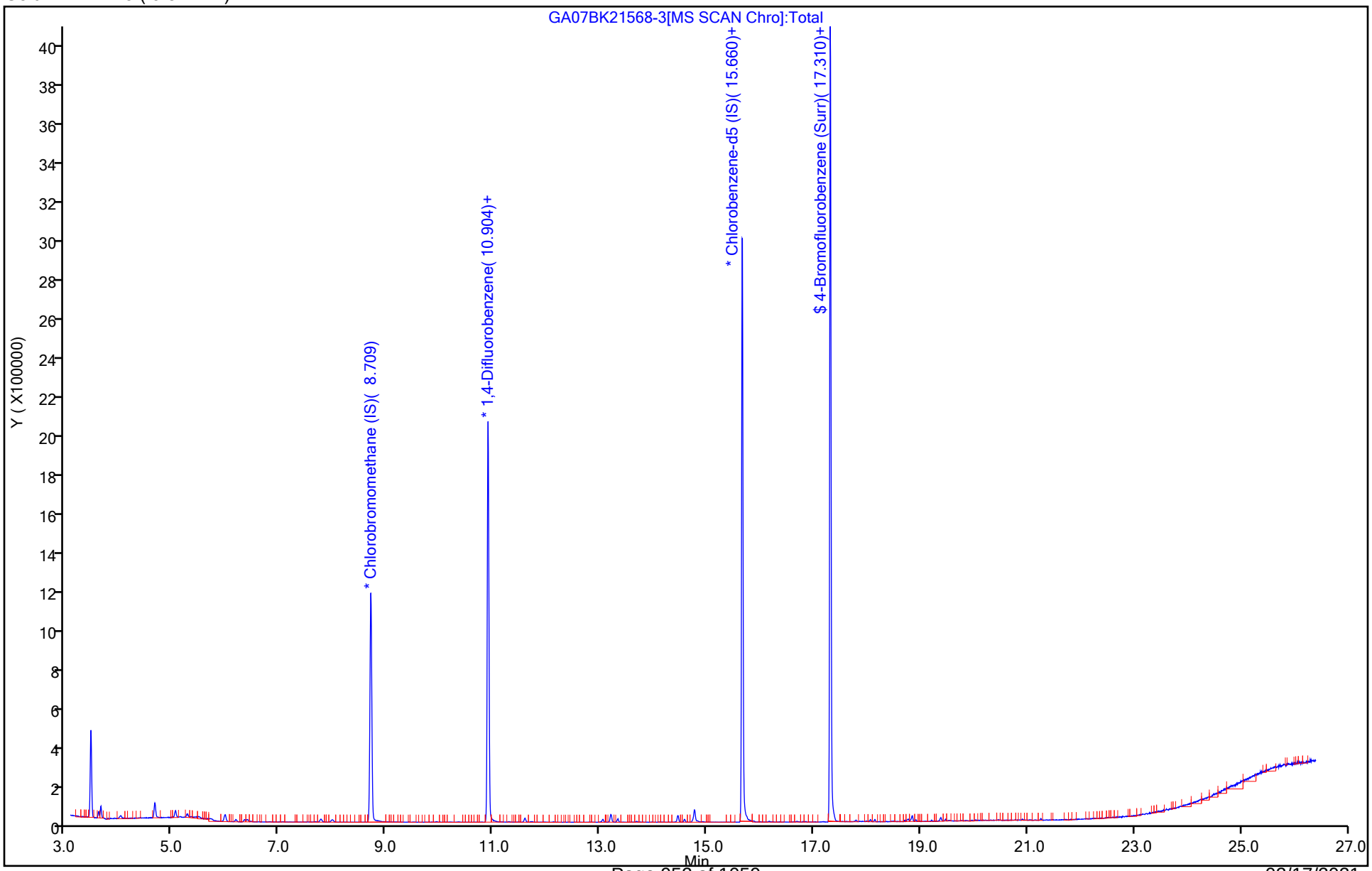
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 11-Jan-2021 10:37:49 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-3.D				
Injection Date:	07-Jan-2021 18:59:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	140-21568-A-3	Lab Sample ID:	140-21568-3	Worklist Smp#:	6
Client ID:	11040				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

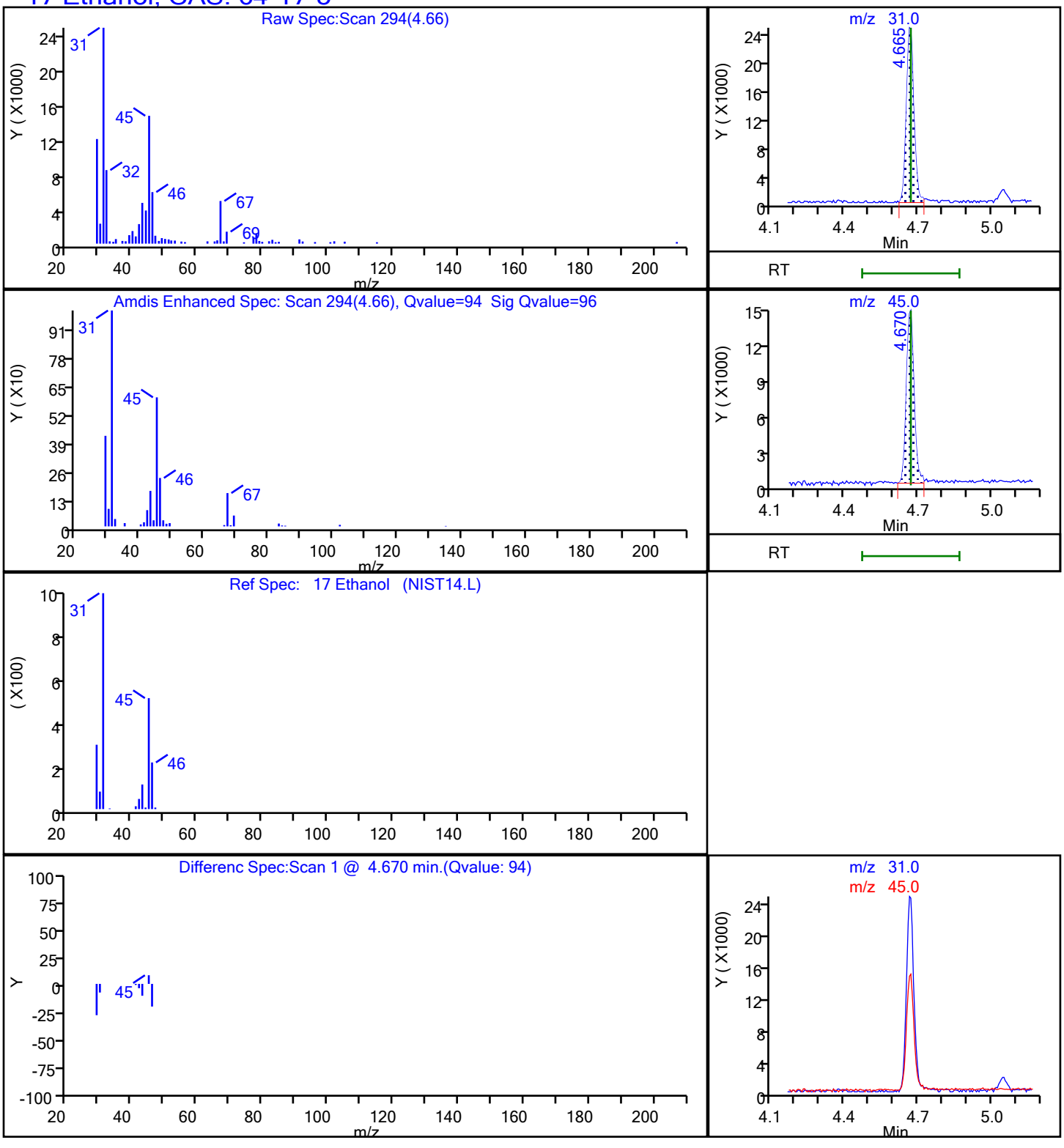


Report Date: 11-Jan-2021 10:37:49 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-3.D				
Injection Date:	07-Jan-2021 18:59:30	Instrument ID:	MG		
Lims ID:	140-21568-A-3	Lab Sample ID:	140-21568-3		
Client ID:	11040				
Operator ID:	HMT	ALS Bottle#:	19	Worklist Smp#:	6
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

17 Ethanol, CAS: 64-17-5



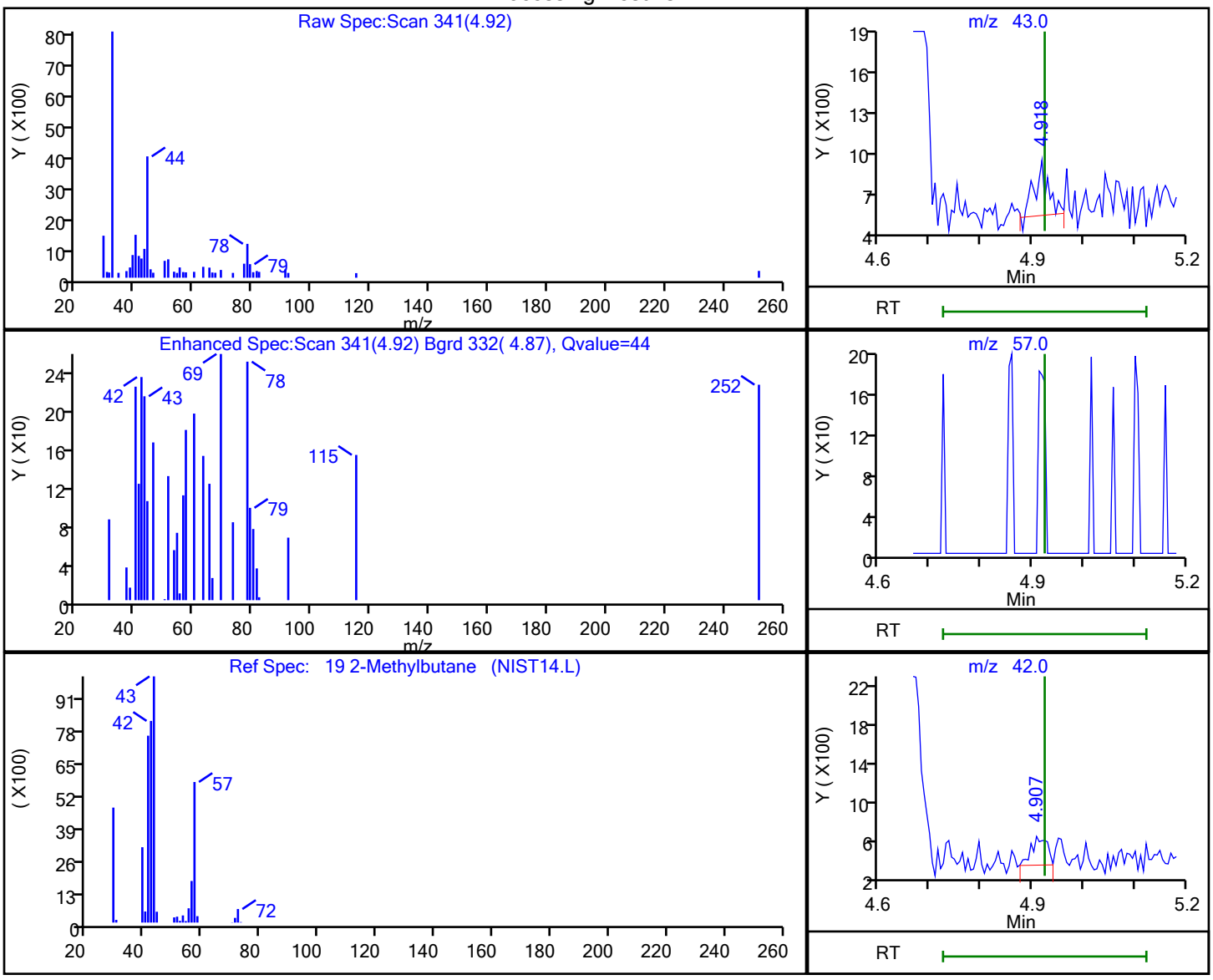
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-3.D				
Injection Date:	07-Jan-2021 18:59:30	Instrument ID:	MG		
Lims ID:	140-21568-A-3	Lab Sample ID:	140-21568-3		
Client ID:	11040				
Operator ID:	HMT	ALS Bottle#:	19	Worklist Smp#:	6
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

19 2-Methylbutane, CAS: 78-78-4

Processing Results



RT	Mass	Response	Amount
4.92	43.00	717	0.012526
4.92	57.00	0	
4.91	42.00	592	

Reviewer: khachitpongpanits, 11-Jan-2021 10:37:08

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

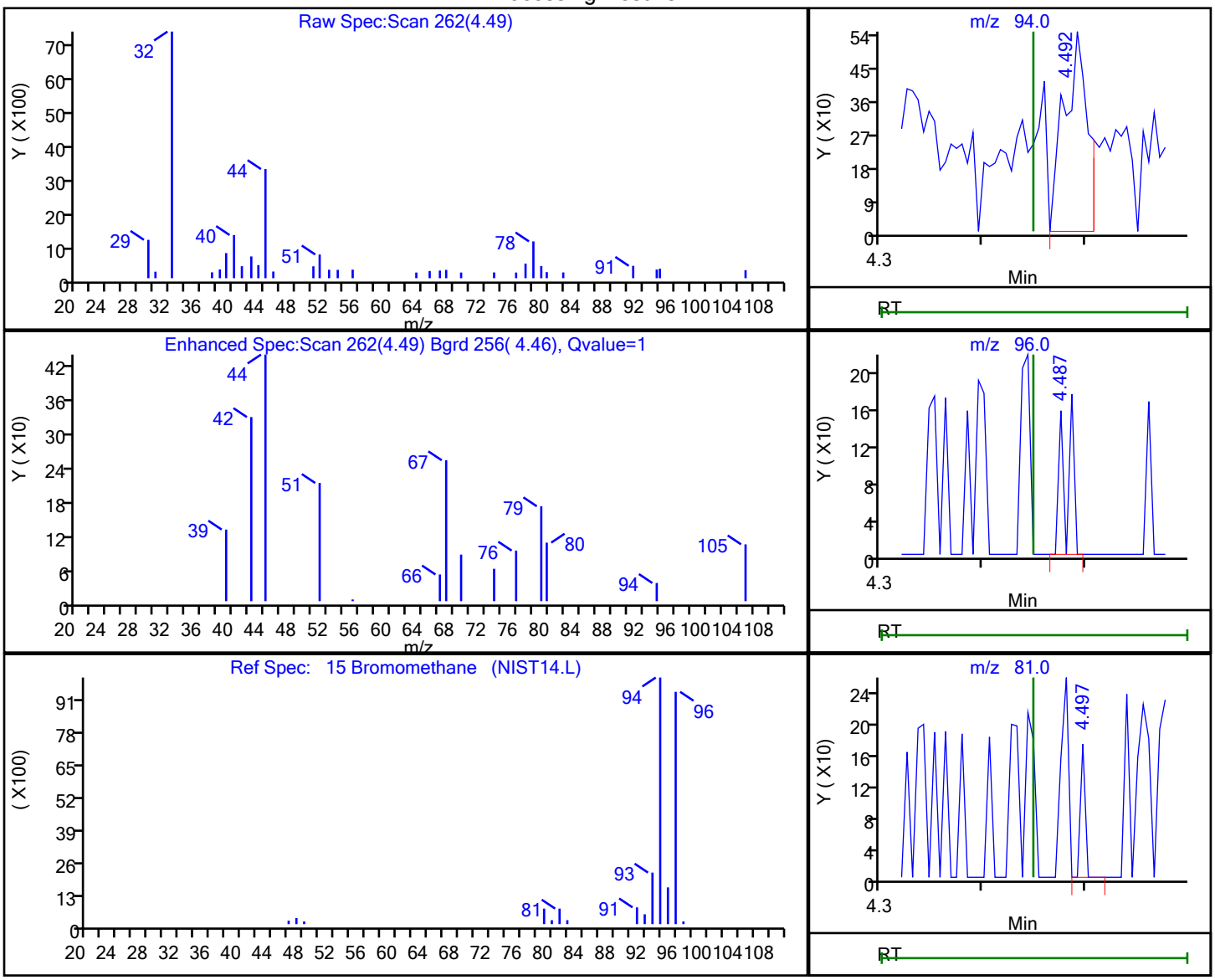
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-3.D				
Injection Date:	07-Jan-2021 18:59:30	Instrument ID:	MG		
Lims ID:	140-21568-A-3	Lab Sample ID:	140-21568-3		
Client ID:	11040				
Operator ID:	HMT	ALS Bottle#:	19	Worklist Smp#:	6
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

15 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
4.49	94.00	862	0.017079
4.49	96.00	107	
4.50	81.00	54	

Reviewer: khachitpongpanits, 11-Jan-2021 10:37:05

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

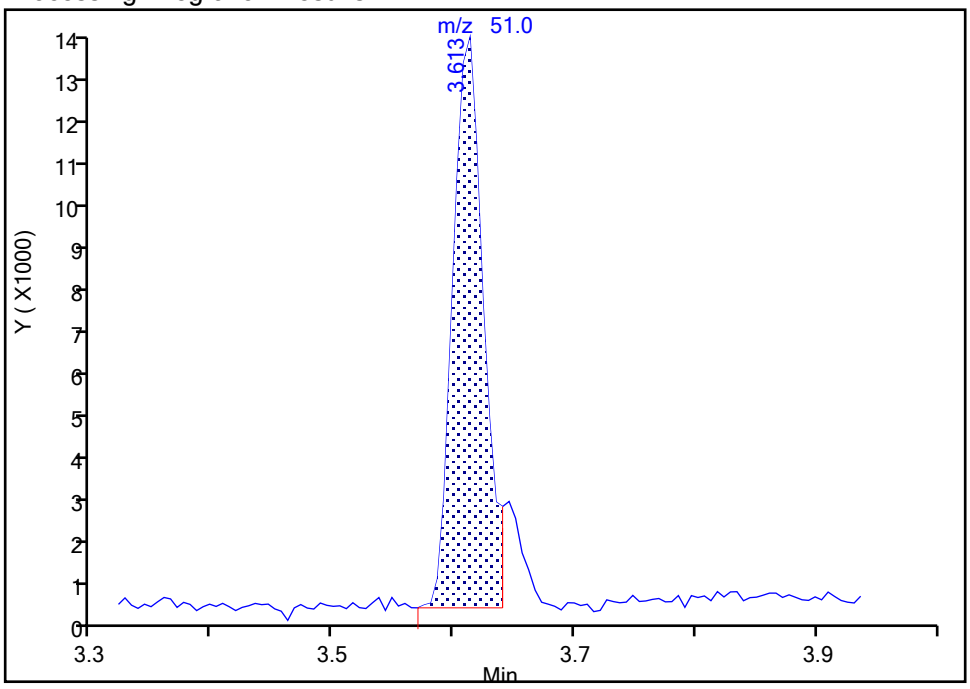
Data File:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-3.D				
Injection Date:	07-Jan-2021 18:59:30	Instrument ID:	MG		
Lims ID:	140-21568-A-3	Lab Sample ID:	140-21568-3		
Client ID:	11040				
Operator ID:	HMT	ALS Bottle#:	19	Worklist Smp#:	6
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

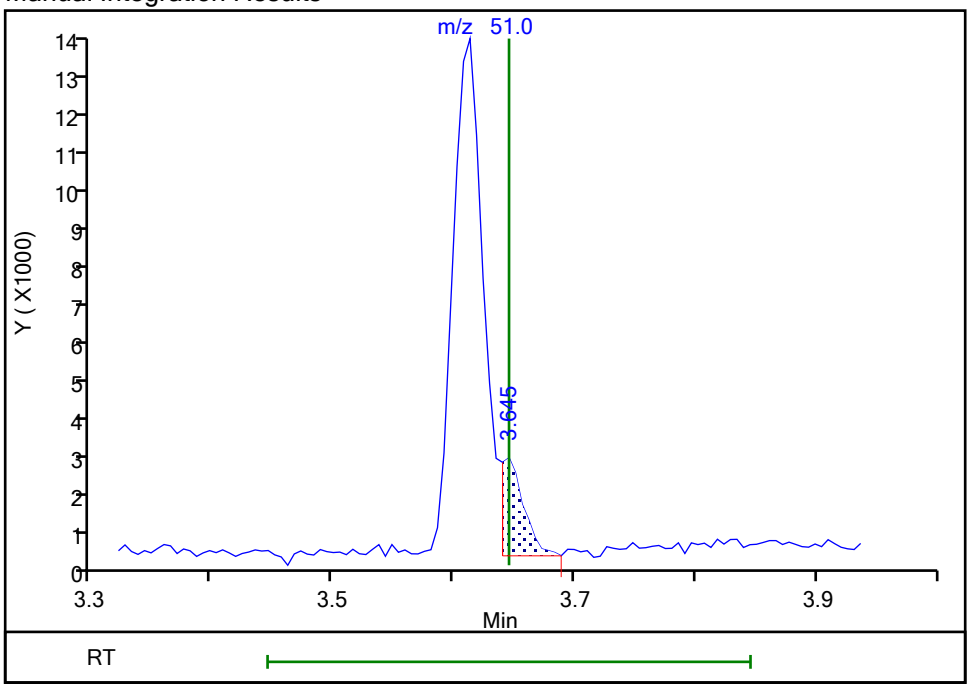
Processing Integration Results

RT: 3.61
Area: 23495
Amount: 0.131481
Amount Units: ppb v/v



Manual Integration Results

RT: 3.65
Area: 3291
Amount: 0.018417
Amount Units: ppb v/v



Reviewer: khachitpongpanits, 11-Jan-2021 10:36:55

Audit Action: Split an Integrated Peak Audit Reason: Wrong peak

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-21568-1

SDG No.:

Client Sample ID: 11997 Lab Sample ID: 140-21568-4

Matrix: Air Lab File ID: GA07BK21568-4.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 19:45

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 11997 Lab Sample ID: 140-21568-4

Matrix: Air Lab File ID: GA07BK21568-4.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 19:45

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 11997 Lab Sample ID: 140-21568-4

Matrix: Air Lab File ID: GA07BK21568-4.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 19:45

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 11997 Lab Sample ID: 140-21568-4

Matrix: Air Lab File ID: GA07BK21568-4.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 19:45

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.: 45852 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\MG\20210107-17842.b\GA07BK21568-4.D				
Lims ID:	140-21568-A-4				
Client ID:	11997				
Sample Type:	Client				
Inject. Date:	07-Jan-2021 19:45:30	ALS Bottle#:	20	Worklist Smp#:	7
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017842-007				
Misc. Info.:	11997				
Operator ID:	HMT	Instrument ID:	MG		
Method:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 10:37:49	Calib Date:	07-Jan-2021 00:17:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MG\20210106-17834.b\GA06IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 10:38:27		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.709	8.709	0.000	68	511331	4.80	
* 2 1,4-Difluorobenzene	114	10.903	10.904	-0.001	93	2007297	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.665	15.665	0.000	84	2041873	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.310	17.310	0.000	96	1439239	4.56	
59 Dibromomethane	93	11.696	11.702	-0.006	91	956	0.006990	
75 Chlorobenzene	112	15.713	15.713	0.000	1	2204	0.006154	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

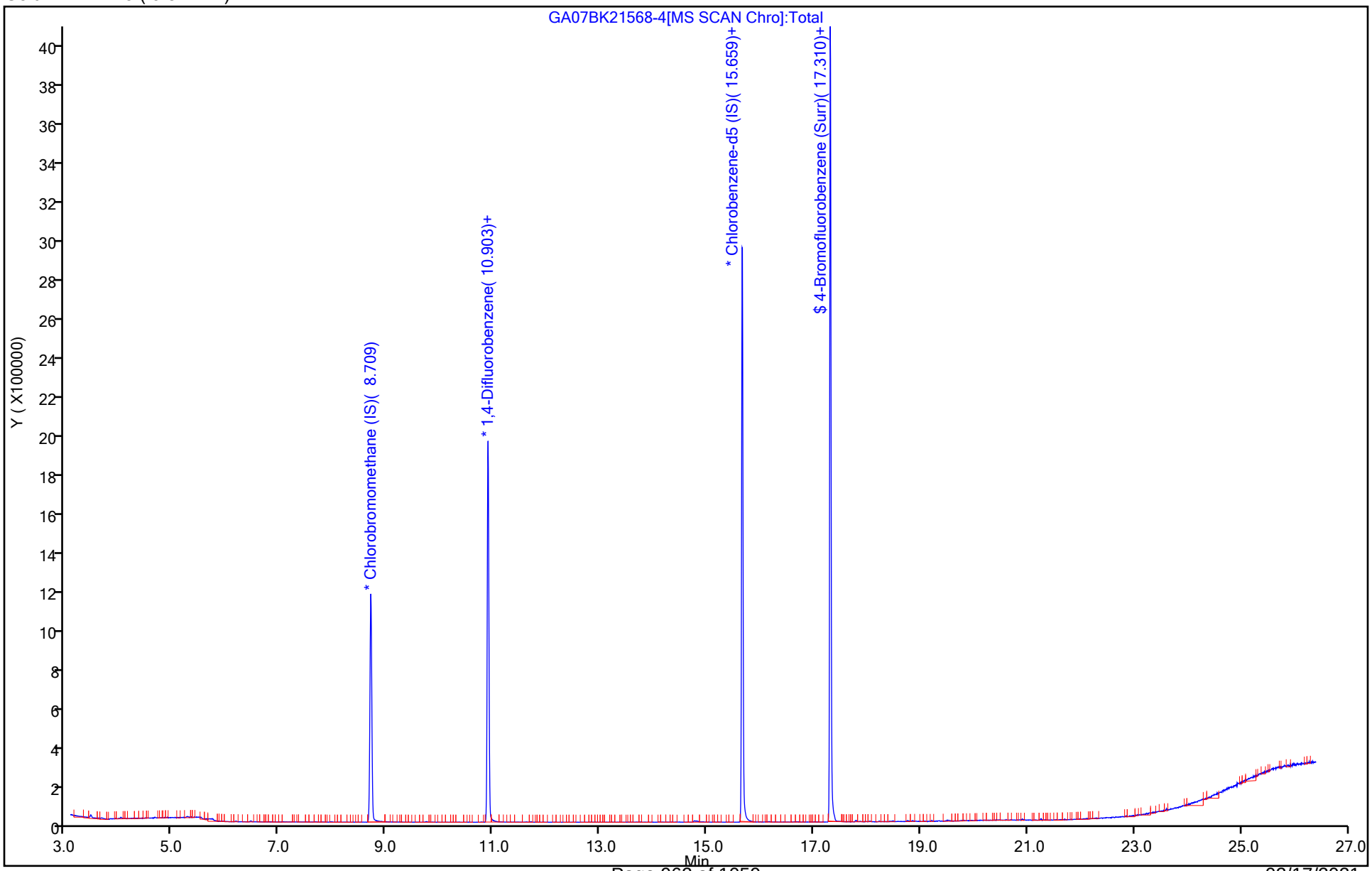
Report Date: 11-Jan-2021 10:38:27 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-4.D

Injection Date:	07-Jan-2021 19:45:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	140-21568-A-4	Lab Sample ID:	140-21568-4	Worklist Smp#:	7
Client ID:	11997				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	MG_TO15	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.: 140-21568-1

SDG No.:

Client Sample ID: 10545 Lab Sample ID: 140-21568-5

Matrix: Air Lab File ID: GA07BK21568-5.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 20:32

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 10545 Lab Sample ID: 140-21568-5

Matrix: Air Lab File ID: GA07BK21568-5.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 20:32

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 10545 Lab Sample ID: 140-21568-5

Matrix: Air Lab File ID: GA07BK21568-5.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 20:32

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 10545 Lab Sample ID: 140-21568-5

Matrix: Air Lab File ID: GA07BK21568-5.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 20:32

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.: 45852 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\MG\20210107-17842.b\GA07BK21568-5.D
Lims ID: 140-21568-A-5
Client ID: 10545
Sample Type: Client
Inject. Date: 07-Jan-2021 20:32:30 ALS Bottle#: 21 Worklist Smp#: 8
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0017842-008
Misc. Info.: 10545
Operator ID: HMT Instrument ID: MG

Method: \\chromfs\Knoxville\ChromData\MG\20210107-17842.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 11-Jan-2021 10:37:49 Calib Date: 07-Jan-2021 00:17:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MG\20210106-17834.b\GA06IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: khachitpongpanits Date: 11-Jan-2021 10:39:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.709	8.709	0.000	68	520833	4.80	
* 2 1,4-Difluorobenzene	114	10.903	10.904	-0.001	93	2028204	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.665	15.665	0.000	85	2029091	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.310	17.310	0.000	96	1440293	4.59	
59 Dibromomethane	93	11.696	11.702	-0.006	91	945	0.006838	
75 Chlorobenzene	112	15.708	15.713	-0.005	83	2171	0.006100	

QC Flag Legend
Processing Flags

Reagents:
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

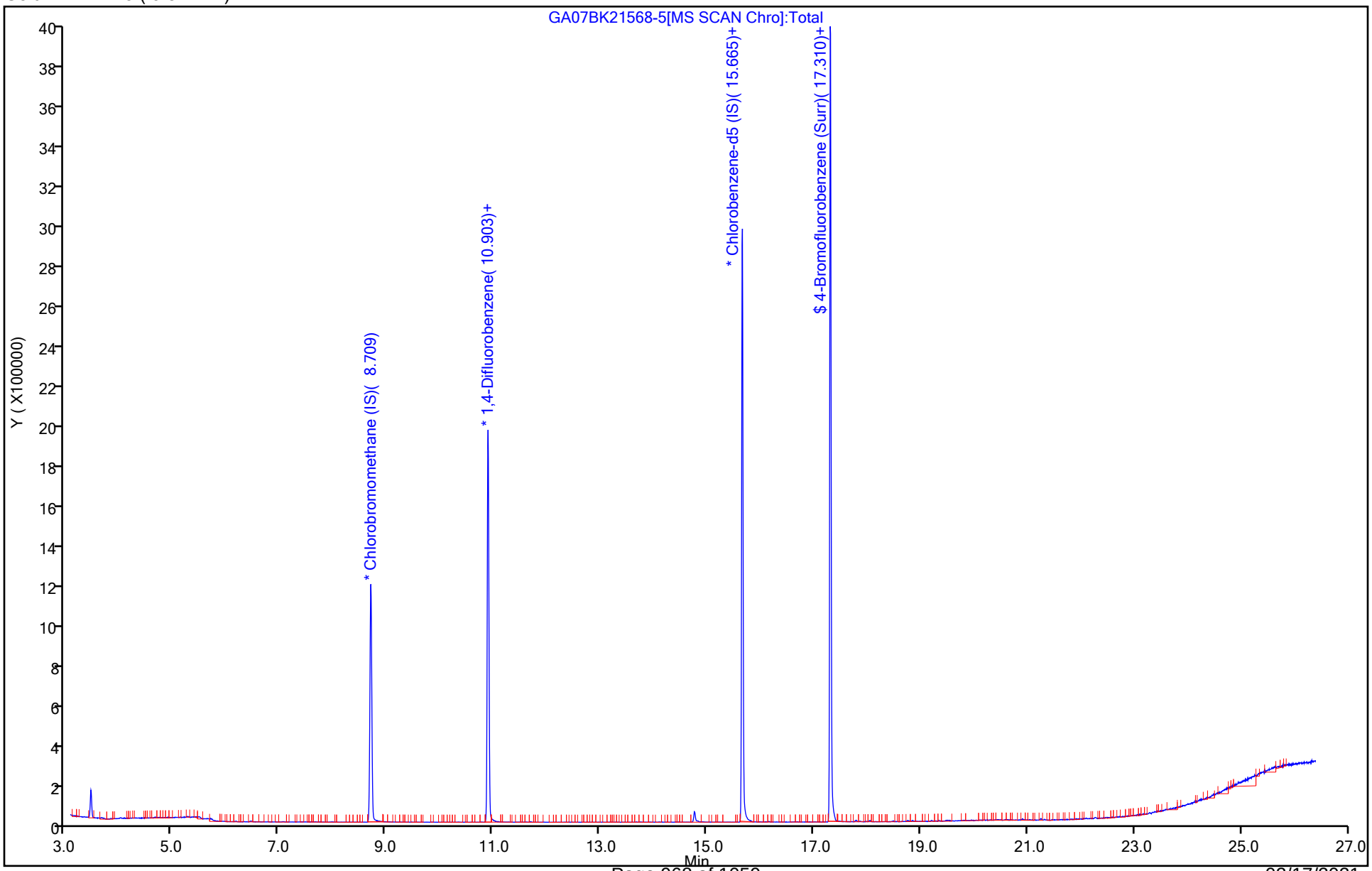
Report Date: 11-Jan-2021 10:39:09 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-5.D

Injection Date:	07-Jan-2021 20:32:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	140-21568-A-5	Lab Sample ID:	140-21568-5	Worklist Smp#:	8
Client ID:	10545				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	MG_TO15	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.: 140-21568-1

SDG No.:

Client Sample ID: 34000069 Lab Sample ID: 140-21568-6

Matrix: Air Lab File ID: 21568BK06.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 05:44

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.: 45849 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.: 140-21568-1

SDG No.:

Client Sample ID: 34000069 Lab Sample ID: 140-21568-6

Matrix: Air Lab File ID: 21568BK06.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 05:44

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.: 45849 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.: 140-21568-1

SDG No.:

Client Sample ID: 34000069 Lab Sample ID: 140-21568-6

Matrix: Air Lab File ID: 21568BK06.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 05:44

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.: 45849 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.: 140-21568-1

SDG No.:

Client Sample ID: 34000069 Lab Sample ID: 140-21568-6

Matrix: Air Lab File ID: 21568BK06.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 05:44

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.: 45849 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\MH\20210107-17839.b\21568BK06.D				
Lims ID:	140-21568-A-6				
Client ID:	34000069				
Sample Type:	Client				
Inject. Date:	09-Jan-2021 05:44:30	ALS Bottle#:	15	Worklist Smp#:	26
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017839-026				
Misc. Info.:	34000069				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20210107-17839.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 12:28:10	Calib Date:	19-Sep-2020 06:37:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200918-16664.b\HI18IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 12:28:55		

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
*	1 Chlorobromomethane (IS)	128	9.431	9.456	-0.025	88	135325	4.80	
*	2 1,4-Difluorobenzene	114	11.663	11.684	-0.021	94	569488	4.80	
*	3 Chlorobenzene-d5 (IS)	117	16.408	16.413	-0.005	85	503272	4.80	
$	4 4-Bromofluorobenzene (Surr)	95	18.031	18.031	0.000	95	304908	3.84	
	33 Carbon disulfide	76	6.888	6.864	0.005	92	1379	0.0144	

QC Flag Legend

Processing Flags

Reagents:

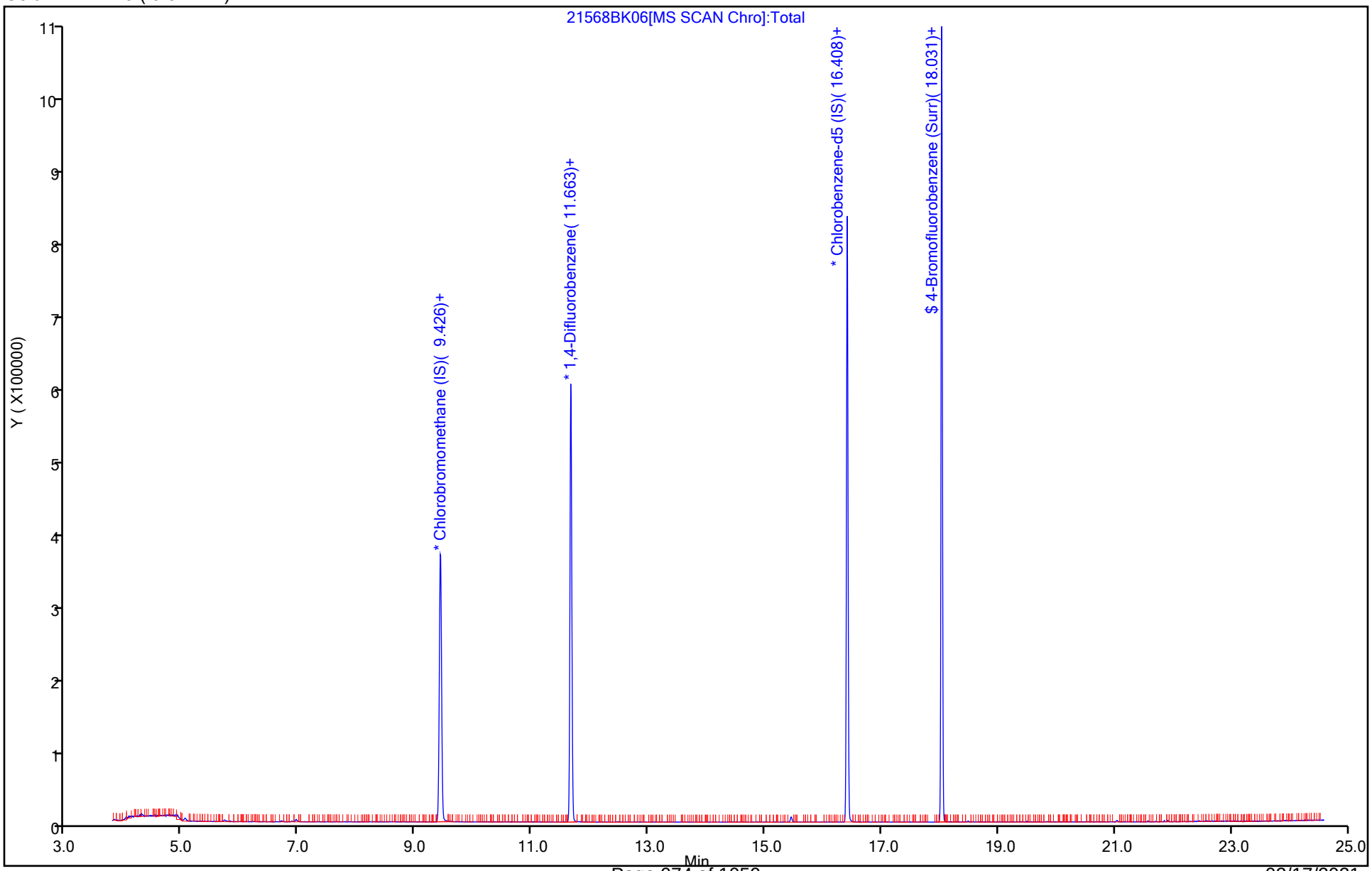
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 11-Jan-2021 12:28:55 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210107-17839.b\21568BK06.D				
Injection Date:	09-Jan-2021 05:44:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-21568-A-6	Lab Sample ID:	140-21568-6	Worklist Smp#:	26
Client ID:	34000069				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	MH_TO15	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.: 140-21568-1

SDG No.:

Client Sample ID: 34001298 Lab Sample ID: 140-21568-7

Matrix: Air Lab File ID: GA07BK21568-7.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 22:03

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 34001298 Lab Sample ID: 140-21568-7

Matrix: Air Lab File ID: GA07BK21568-7.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 22:03

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.: 45852 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	2.2		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.: 140-21568-1

SDG No.:

Client Sample ID: 34001298 Lab Sample ID: 140-21568-7

Matrix: Air Lab File ID: GA07BK21568-7.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 22:03

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 34001298 Lab Sample ID: 140-21568-7

Matrix: Air Lab File ID: GA07BK21568-7.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 22:03

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.: 45852 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\MG\20210107-17842.b\GA07BK21568-7.D				
Lims ID:	140-21568-A-7				
Client ID:	34001298				
Sample Type:	Client				
Inject. Date:	07-Jan-2021 22:03:30	ALS Bottle#:	23	Worklist Smp#:	10
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017842-010				
Misc. Info.:	34001298				
Operator ID:	HMT	Instrument ID:	MG		
Method:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 10:41:05	Calib Date:	07-Jan-2021 00:17:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MG\20210106-17834.b\GA06IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 10:41:05		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.709	8.709	0.000	69	515881	4.80	
* 2 1,4-Difluorobenzene	114	10.903	10.904	-0.001	93	2009466	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.665	15.665	0.000	84	1989138	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.310	17.310	0.000	96	1389935	4.52	
17 Ethanol	31	4.670	4.670	0.000	92	40132	2.22	
20 Trichlorofluoromethane	101	5.139	5.144	-0.005	93	1412	0.008250	
25 Isopropyl alcohol	45	5.349	5.339	0.010	86	2368	0.0420	
40 Hexane	56	7.975	7.981	-0.006	84	2437	0.0286	
59 Dibromomethane	93	11.702	11.702	0.000	87	993	0.007252	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

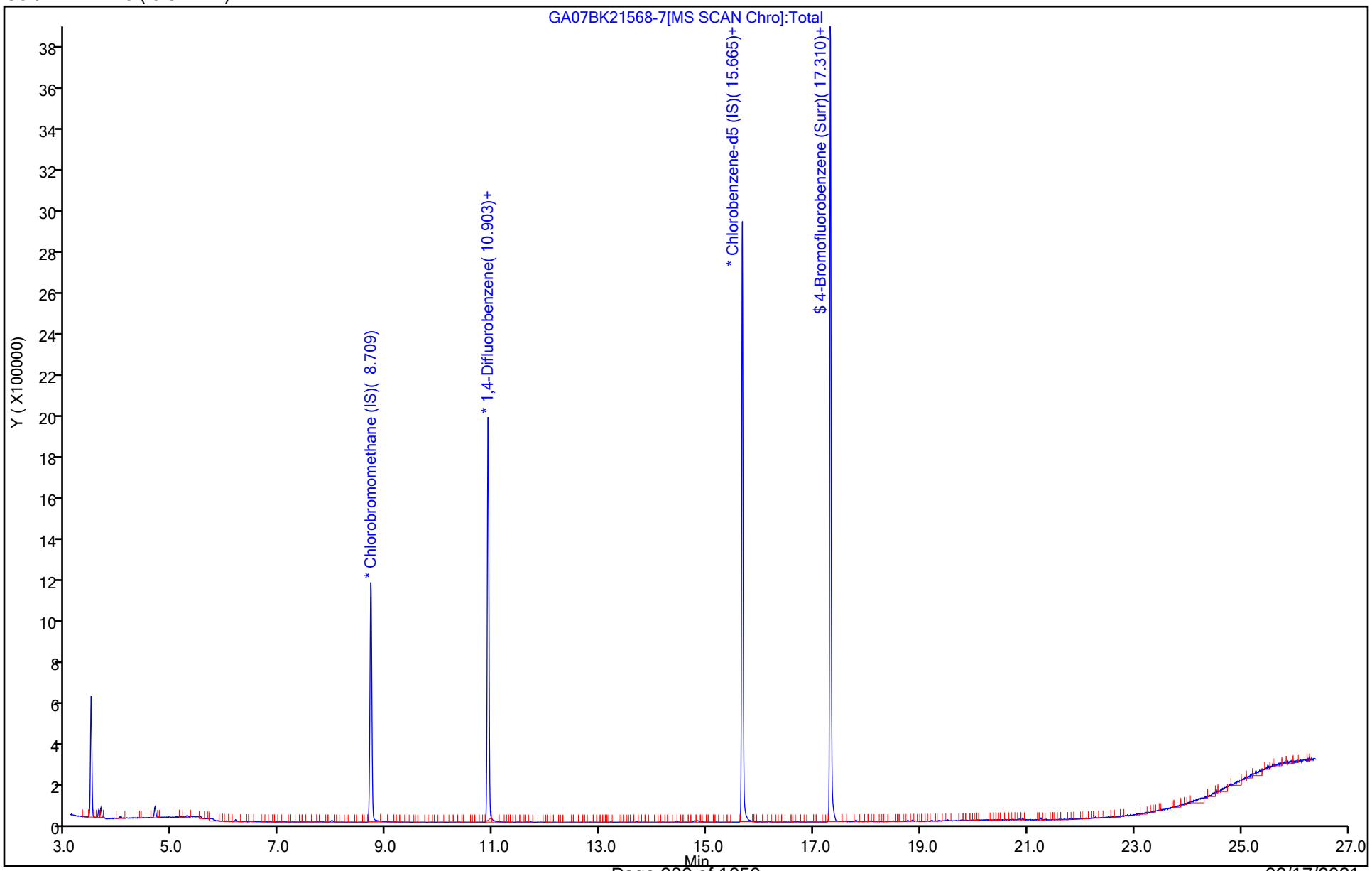
Report Date: 11-Jan-2021 10:41:05 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-7.D

Injection Date:	07-Jan-2021 22:03:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	140-21568-A-7	Lab Sample ID:	140-21568-7	Worklist Smp#:	10
Client ID:	34001298				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

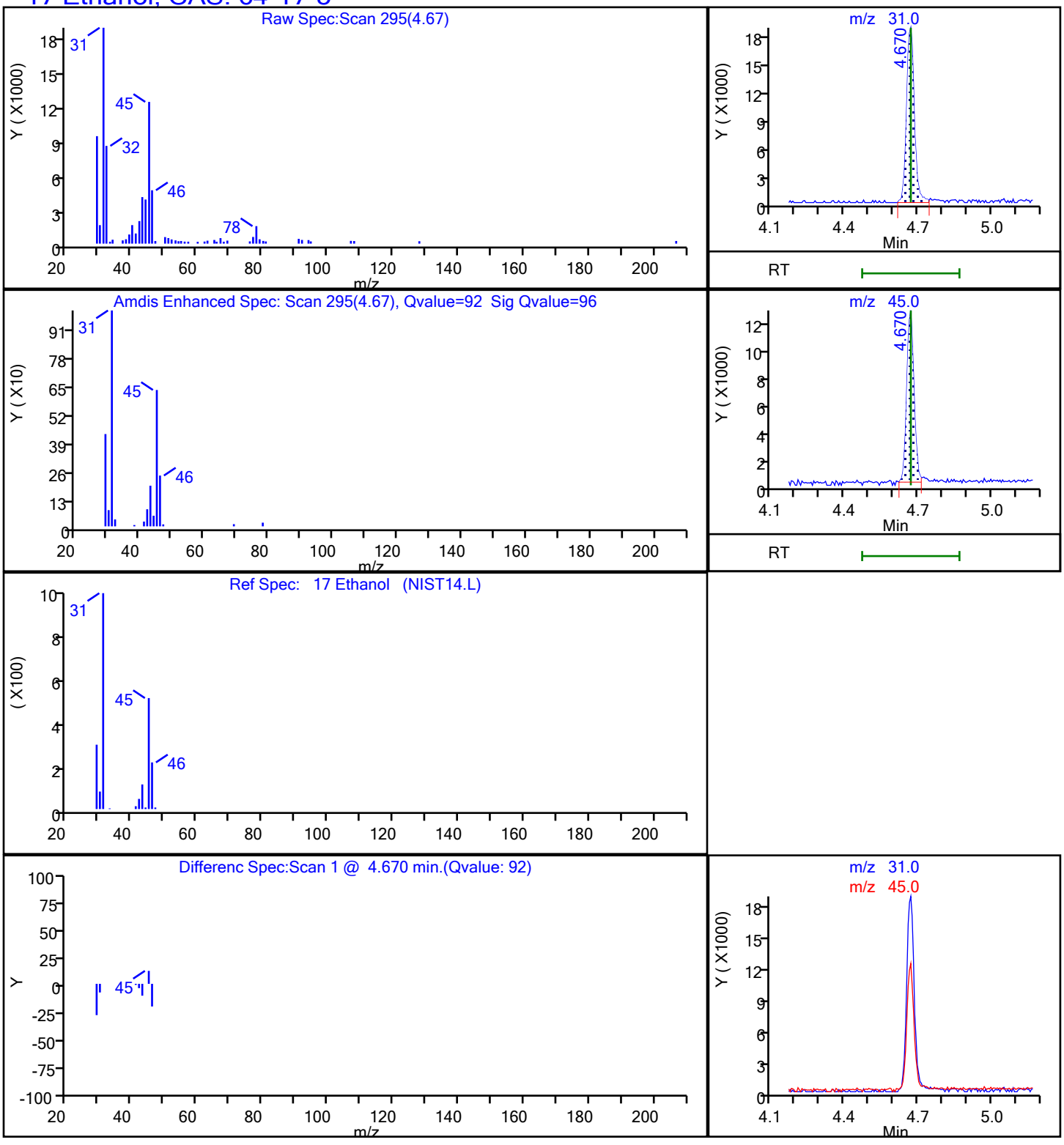
Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-7.D				
Injection Date:	07-Jan-2021 22:03:30	Instrument ID:	MG		
Lims ID:	140-21568-A-7	Lab Sample ID:	140-21568-7		
Client ID:	34001298				
Operator ID:	HMT	ALS Bottle#:	23	Worklist Smp#:	10
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

17 Ethanol, CAS: 64-17-5



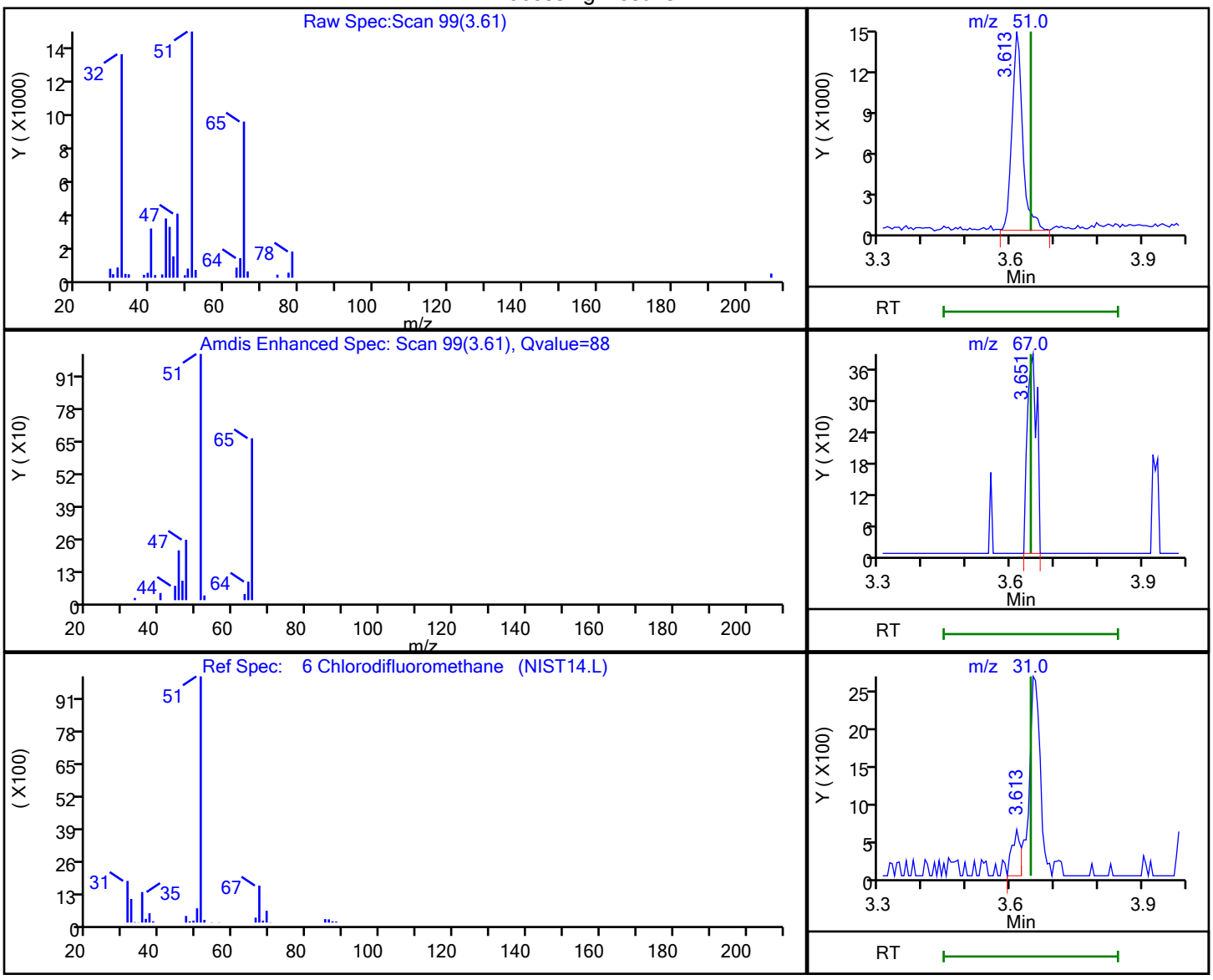
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-7.D				
Injection Date:	07-Jan-2021 22:03:30	Instrument ID:	MG		
Lims ID:	140-21568-A-7	Lab Sample ID:	140-21568-7		
Client ID:	34001298				
Operator ID:	HMT	ALS Bottle#:	23	Worklist Smp#:	10
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
3.61	51.00	24488	0.135363
3.65	67.00	575	
3.61	31.00	818	

Reviewer: khachitpongpanits, 11-Jan-2021 10:39:43

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

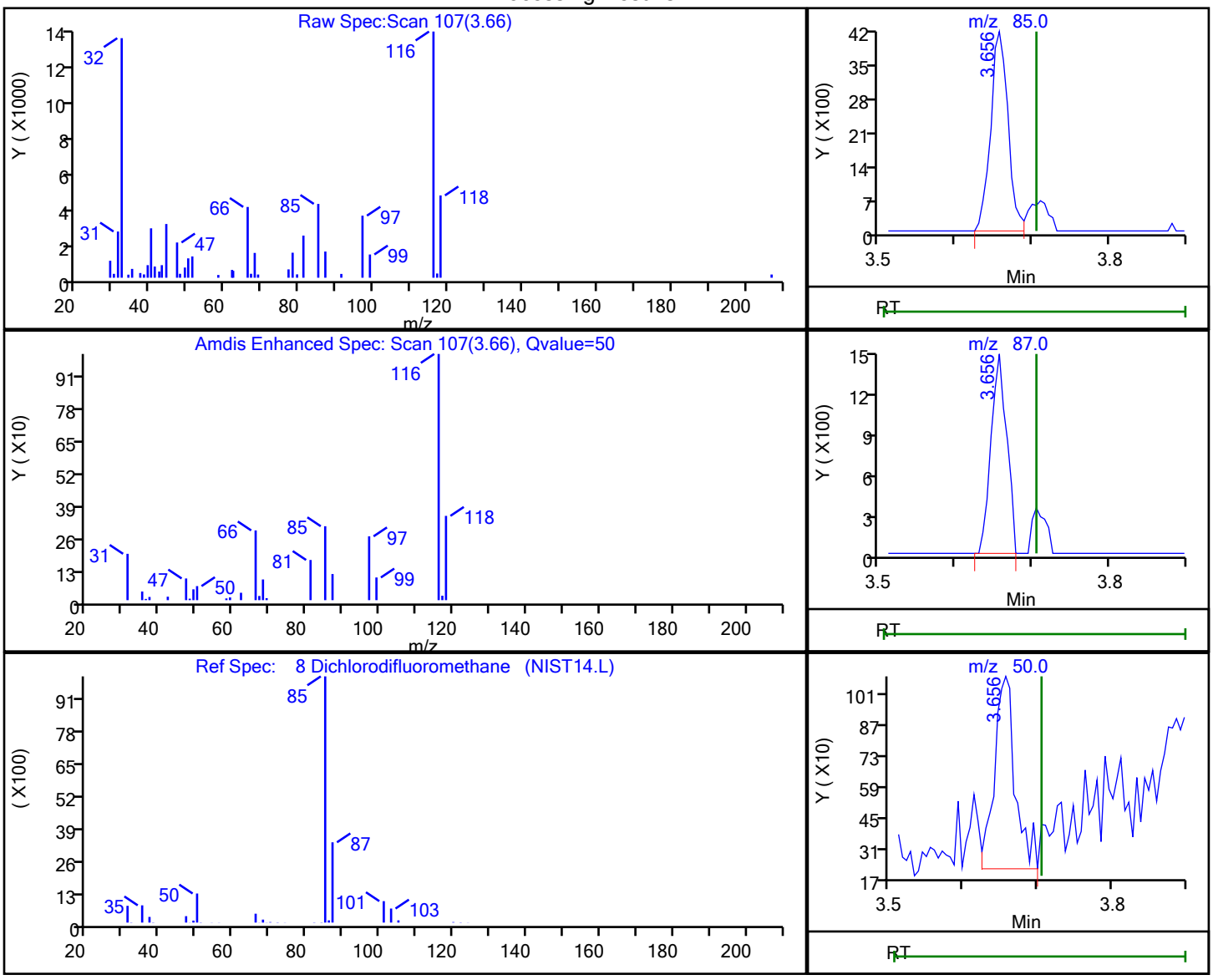
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-7.D				
Injection Date:	07-Jan-2021 22:03:30	Instrument ID:	MG		
Lims ID:	140-21568-A-7	Lab Sample ID:	140-21568-7		
Client ID:	34001298				
Operator ID:	HMT	ALS Bottle#:	23	Worklist Smp#:	10
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

8 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
3.66	85.00	6576	0.018013
3.66	87.00	2101	
3.66	50.00	1722	

Reviewer: khachitpongpanits, 11-Jan-2021 10:39:59

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.: 140-21568-1

SDG No.:

Client Sample ID: 10821 Lab Sample ID: 140-21568-8

Matrix: Air Lab File ID: GA07BK21568-8.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 22:49

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 10821 Lab Sample ID: 140-21568-8

Matrix: Air Lab File ID: GA07BK21568-8.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 22:49

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.: 45852 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	2.7		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.: 140-21568-1

SDG No.:

Client Sample ID: 10821 Lab Sample ID: 140-21568-8

Matrix: Air Lab File ID: GA07BK21568-8.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 22:49

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 10821 Lab Sample ID: 140-21568-8

Matrix: Air Lab File ID: GA07BK21568-8.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/07/2021 22:49

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.: 45852 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\MG\20210107-17842.b\GA07BK21568-8.D				
Lims ID:	140-21568-A-8				
Client ID:	10821				
Sample Type:	Client				
Inject. Date:	07-Jan-2021 22:49:30	ALS Bottle#:	24	Worklist Smp#:	11
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017842-011				
Misc. Info.:	10821				
Operator ID:	HMT	Instrument ID:	MG		
Method:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 10:41:53	Calib Date:	07-Jan-2021 00:17:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MG\20210106-17834.b\GA06IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 10:42:44		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.709	8.709	0.000	76	517138	4.80	
* 2 1,4-Difluorobenzene	114	10.904	10.904	0.000	93	2059057	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.665	15.665	0.000	84	2012791	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.310	17.310	0.000	96	1417628	4.56	
17 Ethanol	31	4.670	4.670	0.000	92	49889	2.74	
25 Isopropyl alcohol	45	5.349	5.339	0.010	88	2752	0.0487	
40 Hexane	56	7.975	7.981	-0.006	79	2267	0.0265	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

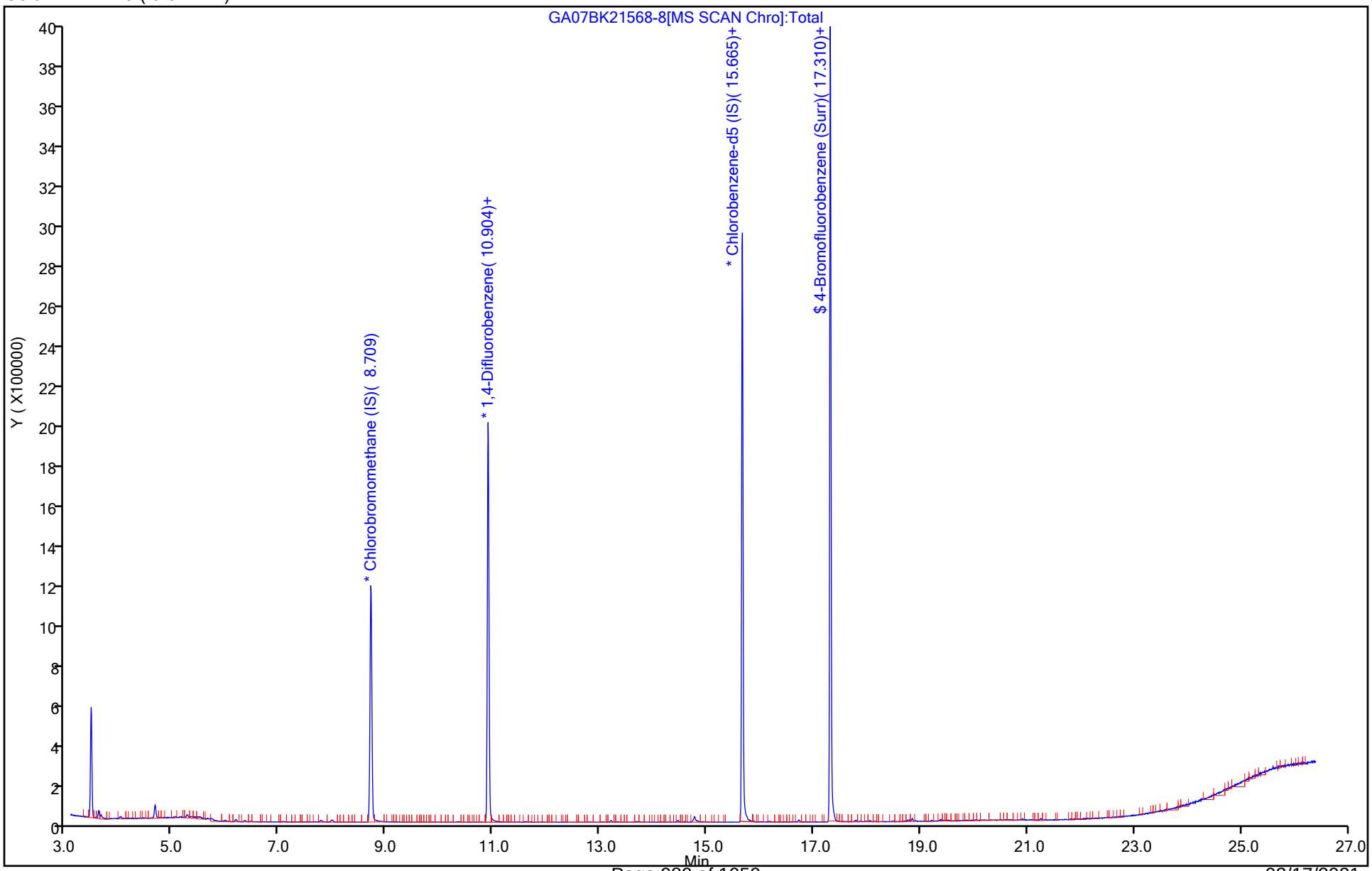
Report Date: 11-Jan-2021 10:42:44 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-8.D

Injection Date:	07-Jan-2021 22:49:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	140-21568-A-8	Lab Sample ID:	140-21568-8	Worklist Smp#:	11
Client ID:	10821				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

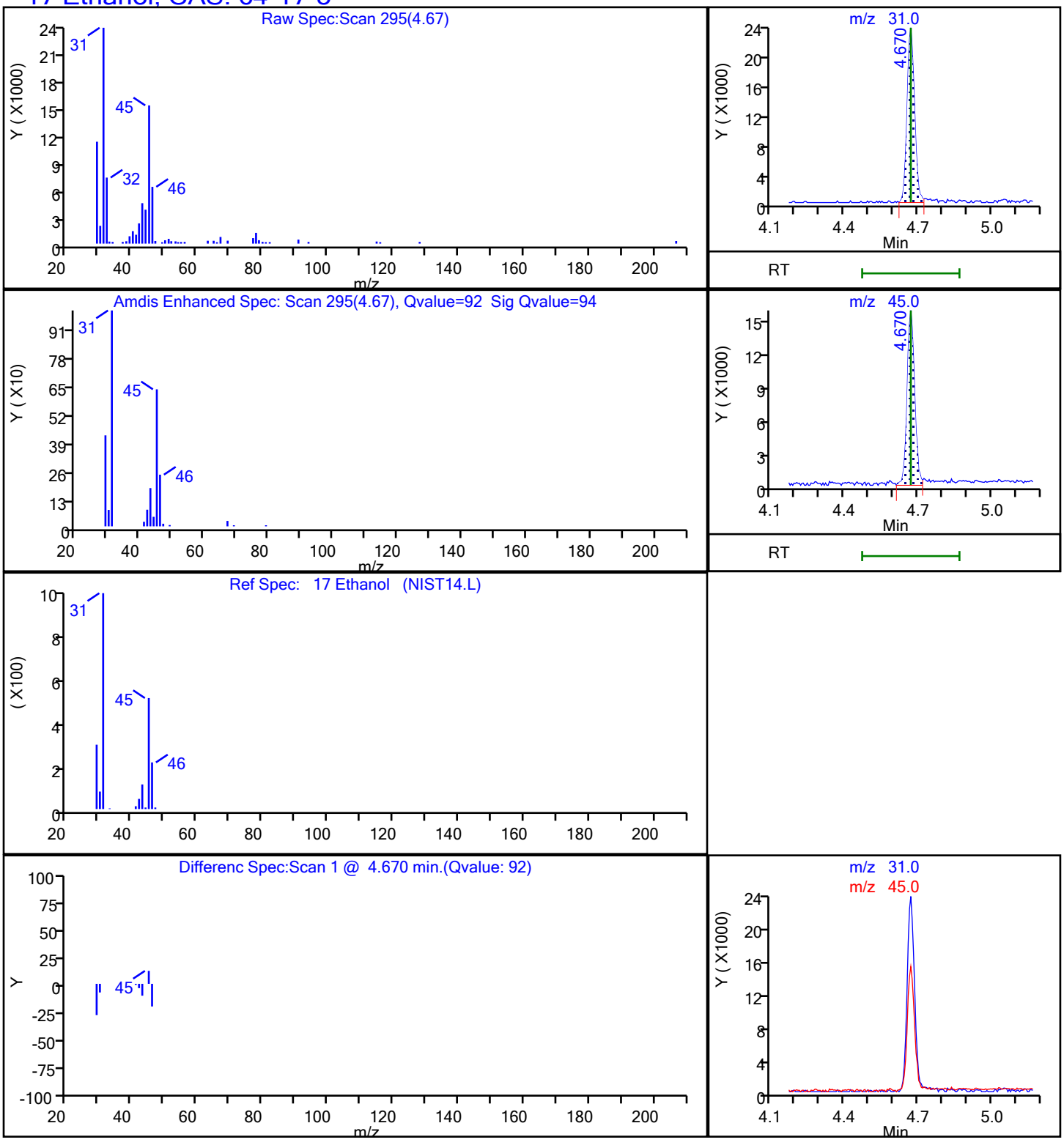


Report Date: 11-Jan-2021 10:42:44 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-8.D				
Injection Date:	07-Jan-2021 22:49:30	Instrument ID:	MG		
Lims ID:	140-21568-A-8	Lab Sample ID:	140-21568-8		
Client ID:	10821				
Operator ID:	HMT	ALS Bottle#:	24	Worklist Smp#:	11
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

17 Ethanol, CAS: 64-17-5



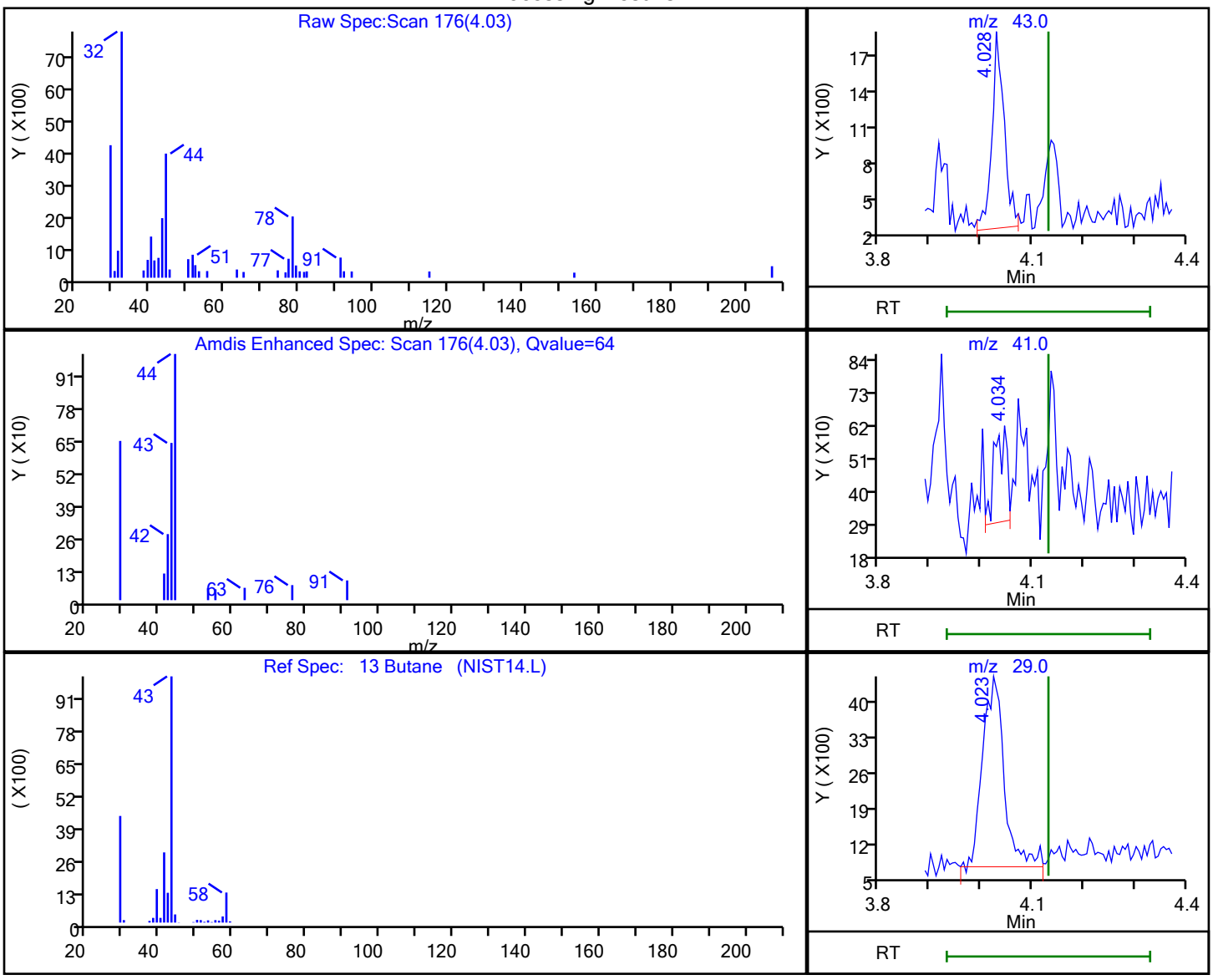
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-8.D				
Injection Date:	07-Jan-2021 22:49:30	Instrument ID:	MG		
Lims ID:	140-21568-A-8	Lab Sample ID:	140-21568-8		
Client ID:	10821				
Operator ID:	HMT	ALS Bottle#:	24	Worklist Smp#:	11
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

13 Butane, CAS: 106-97-8

Processing Results



RT	Mass	Response	Amount
4.03	43.00	2760	0.034848
4.03	41.00	548	
4.02	29.00	10960	

Reviewer: khachitpongpanits, 11-Jan-2021 10:41:35

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

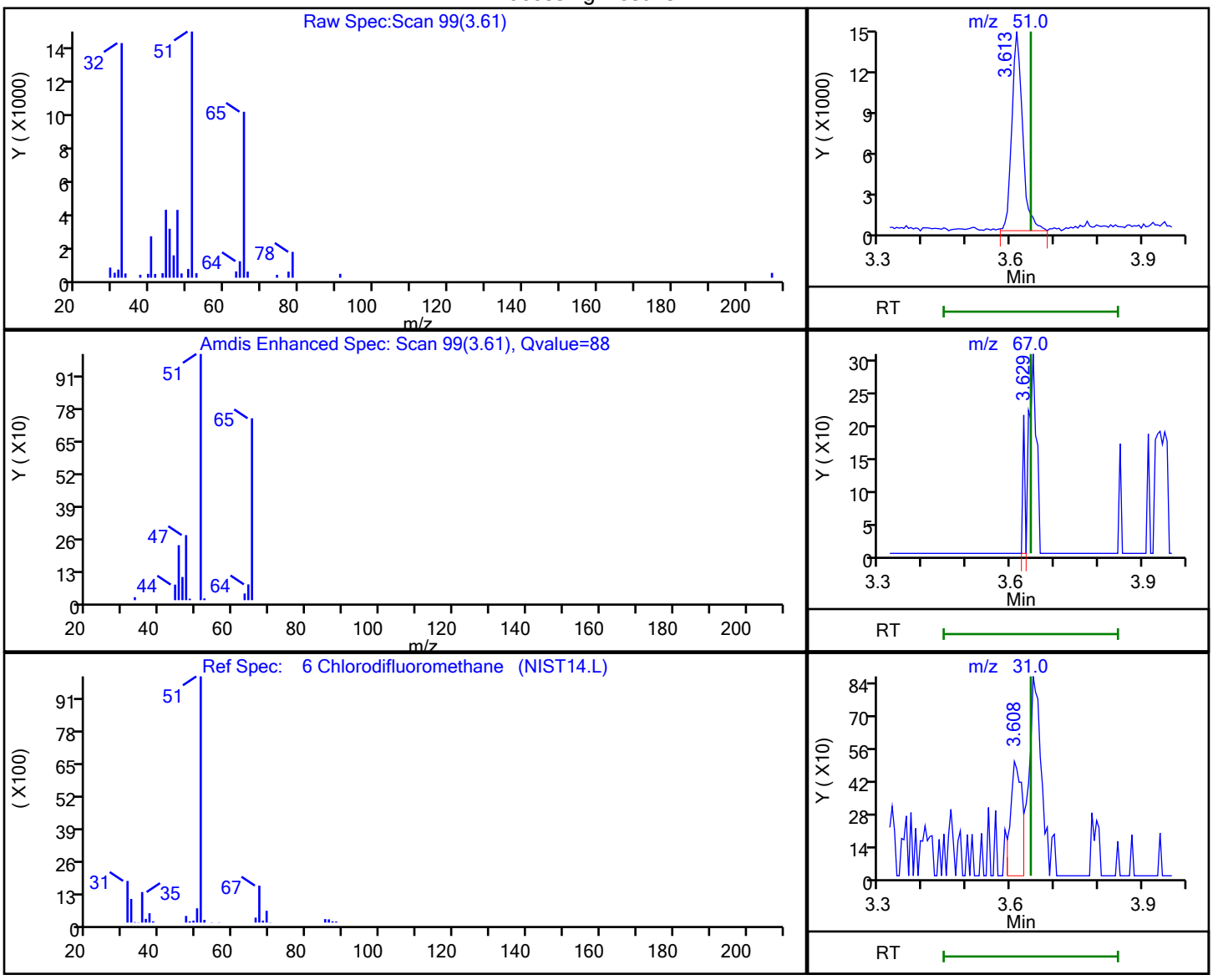
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-8.D				
Injection Date:	07-Jan-2021 22:49:30	Instrument ID:	MG		
Lims ID:	140-21568-A-8	Lab Sample ID:	140-21568-8		
Client ID:	10821				
Operator ID:	HMT	ALS Bottle#:	24	Worklist Smp#:	11
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
3.61	51.00	23756	0.130998
3.63	67.00	69	
3.61	31.00	902	

Reviewer: khachitpongpanits, 11-Jan-2021 10:41:52

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.: 140-21568-1

SDG No.:

Client Sample ID: 09978 Lab Sample ID: 140-21568-10

Matrix: Air Lab File ID: GA07BK21568-10.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 00:19

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 09978 Lab Sample ID: 140-21568-10

Matrix: Air Lab File ID: GA07BK21568-10.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 00:19

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 09978 Lab Sample ID: 140-21568-10

Matrix: Air Lab File ID: GA07BK21568-10.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 00:19

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 09978 Lab Sample ID: 140-21568-10

Matrix: Air Lab File ID: GA07BK21568-10.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 00:19

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.: 45852 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\MG\20210107-17842.b\GA07BK21568-10.D				
Lims ID:	140-21568-A-10				
Client ID:	09978				
Sample Type:	Client				
Inject. Date:	08-Jan-2021 00:19:30	ALS Bottle#:	26	Worklist Smp#:	13
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017842-013				
Misc. Info.:	09978				
Operator ID:	HMT	Instrument ID:	MG		
Method:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 10:44:10	Calib Date:	07-Jan-2021 00:17:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MG\20210106-17834.b\GA06IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 10:44:10		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.709	8.709	0.000	69	504562	4.80	
* 2 1,4-Difluorobenzene	114	10.904	10.904	0.000	93	1989552	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.665	15.665	0.000	84	1982238	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.310	17.310	0.000	96	1392989	4.55	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

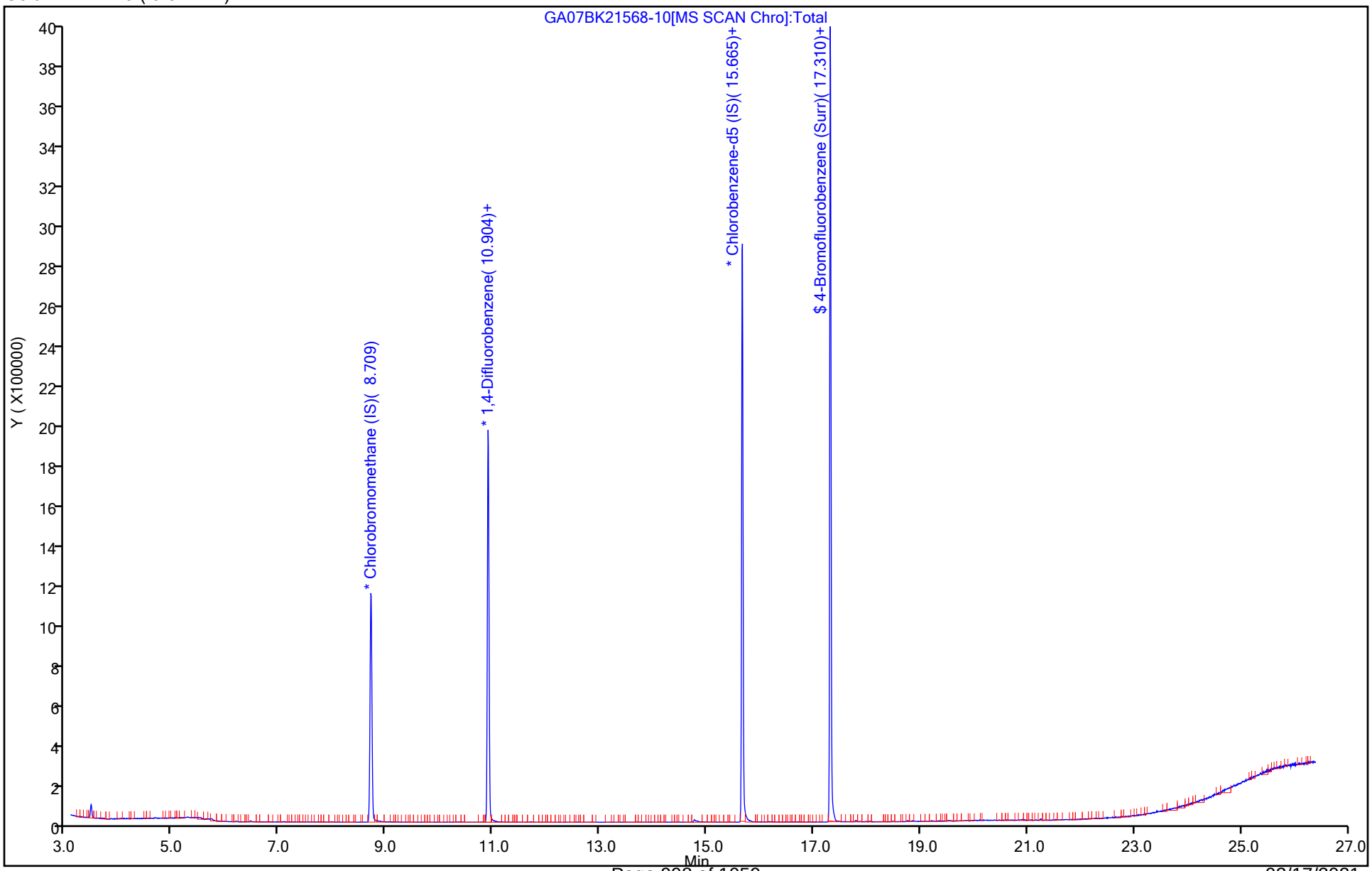
Report Date: 11-Jan-2021 10:44:10 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-10.D

Injection Date:	08-Jan-2021 00:19:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	140-21568-A-10	Lab Sample ID:	140-21568-10	Worklist Smp#:	13
Client ID:	09978				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



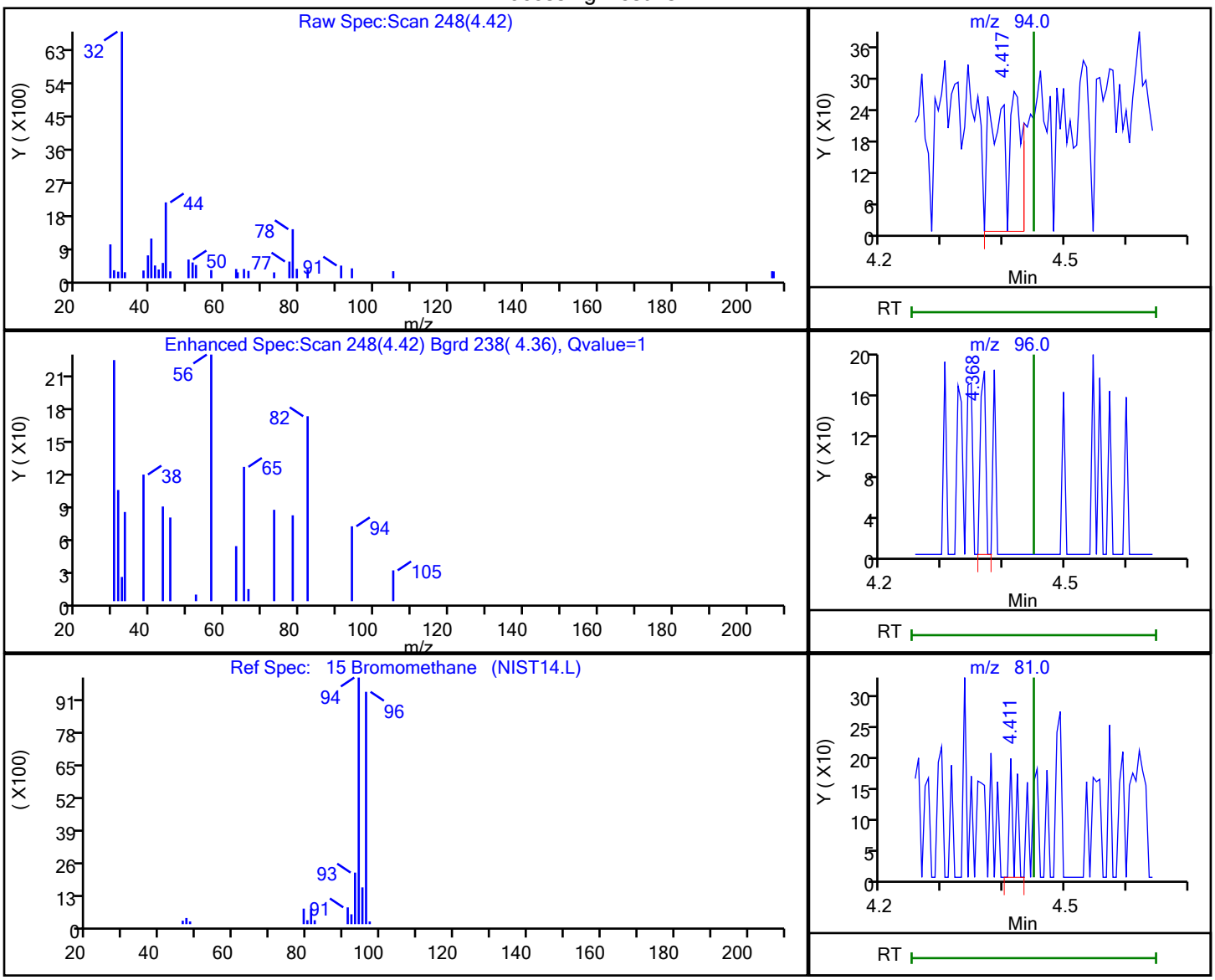
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-10.D				
Injection Date:	08-Jan-2021 00:19:30	Instrument ID:	MG		
Lims ID:	140-21568-A-10	Lab Sample ID:	140-21568-10		
Client ID:	09978				
Operator ID:	HMT	ALS Bottle#:	26	Worklist Smp#:	13
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

15 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
4.42	94.00	794	0.015888
4.37	96.00	109	
4.41	81.00	118	

Reviewer: khachitpongpanits, 11-Jan-2021 10:43:46

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.: 140-21568-1

SDG No.:

Client Sample ID: 34000259 Lab Sample ID: 140-21568-11

Matrix: Air Lab File ID: GA07BK21568-11.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 01:05

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 34000259 Lab Sample ID: 140-21568-11

Matrix: Air Lab File ID: GA07BK21568-11.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 01:05

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 34000259 Lab Sample ID: 140-21568-11

Matrix: Air Lab File ID: GA07BK21568-11.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 01:05

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 34000259 Lab Sample ID: 140-21568-11

Matrix: Air Lab File ID: GA07BK21568-11.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 01:05

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.: 45852 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\MG\20210107-17842.b\GA07BK21568-11.D				
Lims ID:	140-21568-A-11				
Client ID:	34000259				
Sample Type:	Client				
Inject. Date:	08-Jan-2021 01:05:30	ALS Bottle#:	27	Worklist Smp#:	14
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017842-014				
Misc. Info.:	34000259				
Operator ID:	HMT	Instrument ID:	MG		
Method:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 10:44:10	Calib Date:	07-Jan-2021 00:17:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MG\20210106-17834.b\GA06IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				

First Level Reviewer: khachitpongpanits Date: 11-Jan-2021 10:44:40

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
*	1 Chlorobromomethane (IS)	128	8.709	8.709	0.000	69	498926	4.80	
*	2 1,4-Difluorobenzene	114	10.903	10.904	-0.001	93	1982696	4.80	
*	3 Chlorobenzene-d5 (IS)	117	15.665	15.665	0.000	84	1986411	4.80	
$	4 4-Bromofluorobenzene (Surr)	95	17.310	17.310	0.000	96	1374835	4.48	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

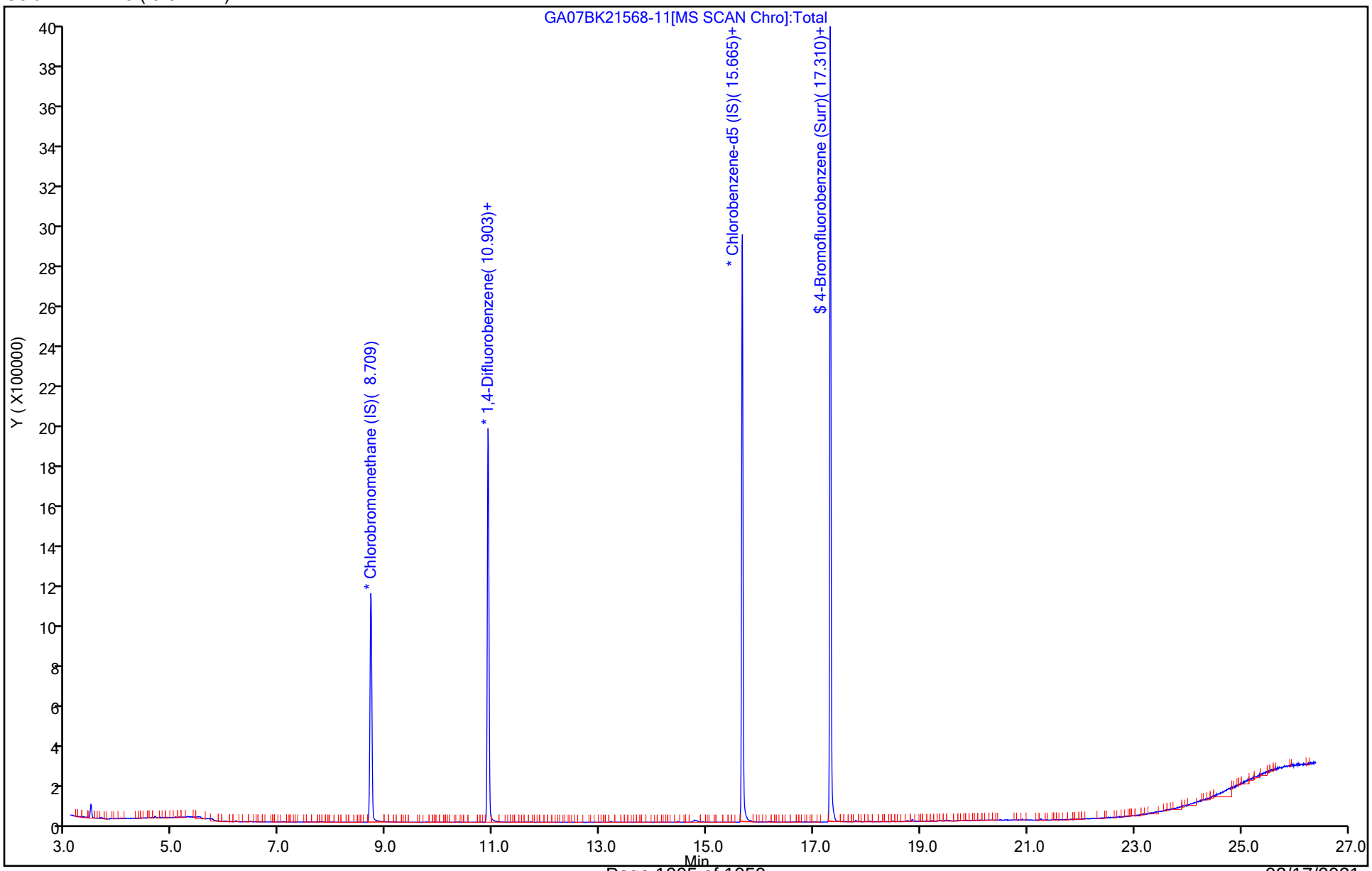
Report Date: 11-Jan-2021 10:44:41 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-11.D

Injection Date:	08-Jan-2021 01:05:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	140-21568-A-11	Lab Sample ID:	140-21568-11	Worklist Smp#:	14
Client ID:	34000259				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	MG_TO15	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.: 140-21568-1

SDG No.:

Client Sample ID: 11046 Lab Sample ID: 140-21568-12

Matrix: Air Lab File ID: GA07BK21568-12.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 01:50

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 11046 Lab Sample ID: 140-21568-12

Matrix: Air Lab File ID: GA07BK21568-12.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 01:50

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 11046 Lab Sample ID: 140-21568-12

Matrix: Air Lab File ID: GA07BK21568-12.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 01:50

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 11046 Lab Sample ID: 140-21568-12

Matrix: Air Lab File ID: GA07BK21568-12.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 01:50

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.: 45852 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\MG\20210107-17842.b\GA07BK21568-12.D				
Lims ID:	140-21568-A-12				
Client ID:	11046				
Sample Type:	Client				
Inject. Date:	08-Jan-2021 01:50:30	ALS Bottle#:	28	Worklist Smp#:	15
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017842-015				
Misc. Info.:	11046				
Operator ID:	HMT	Instrument ID:	MG		
Method:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 10:45:25	Calib Date:	07-Jan-2021 00:17:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MG\20210106-17834.b\GA06IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 10:45:25		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.709	8.709	0.000	69	498015	4.80	
* 2 1,4-Difluorobenzene	114	10.904	10.904	0.000	93	1964323	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.665	15.665	0.000	84	1951391	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.310	17.310	0.000	96	1374478	4.56	
59 Dibromomethane	93	11.696	11.702	-0.006	91	1062	0.007935	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

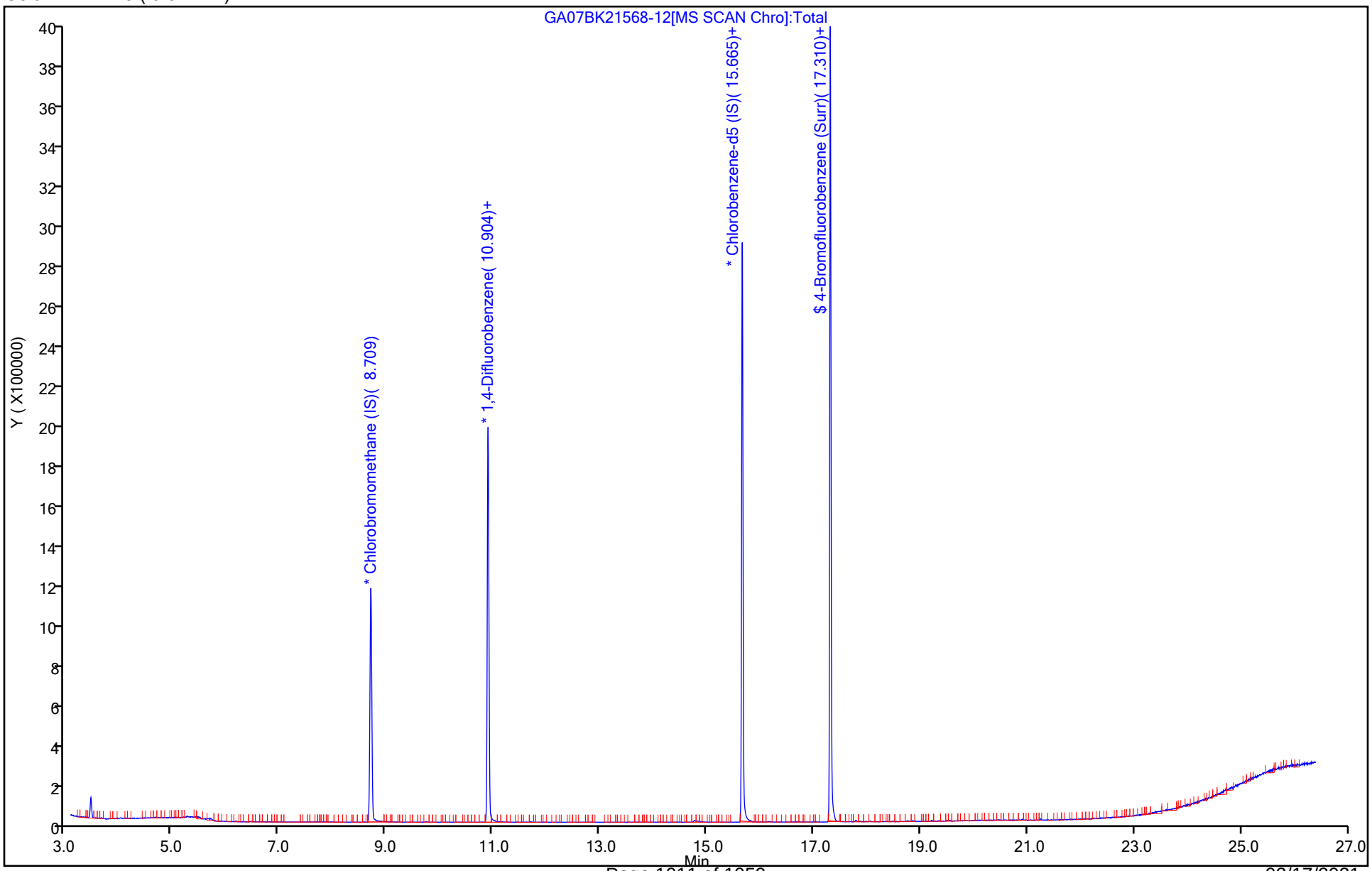
Report Date: 11-Jan-2021 10:45:26 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-12.D

Injection Date:	08-Jan-2021 01:50:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	140-21568-A-12	Lab Sample ID:	140-21568-12	Worklist Smp#:	15
Client ID:	11046				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



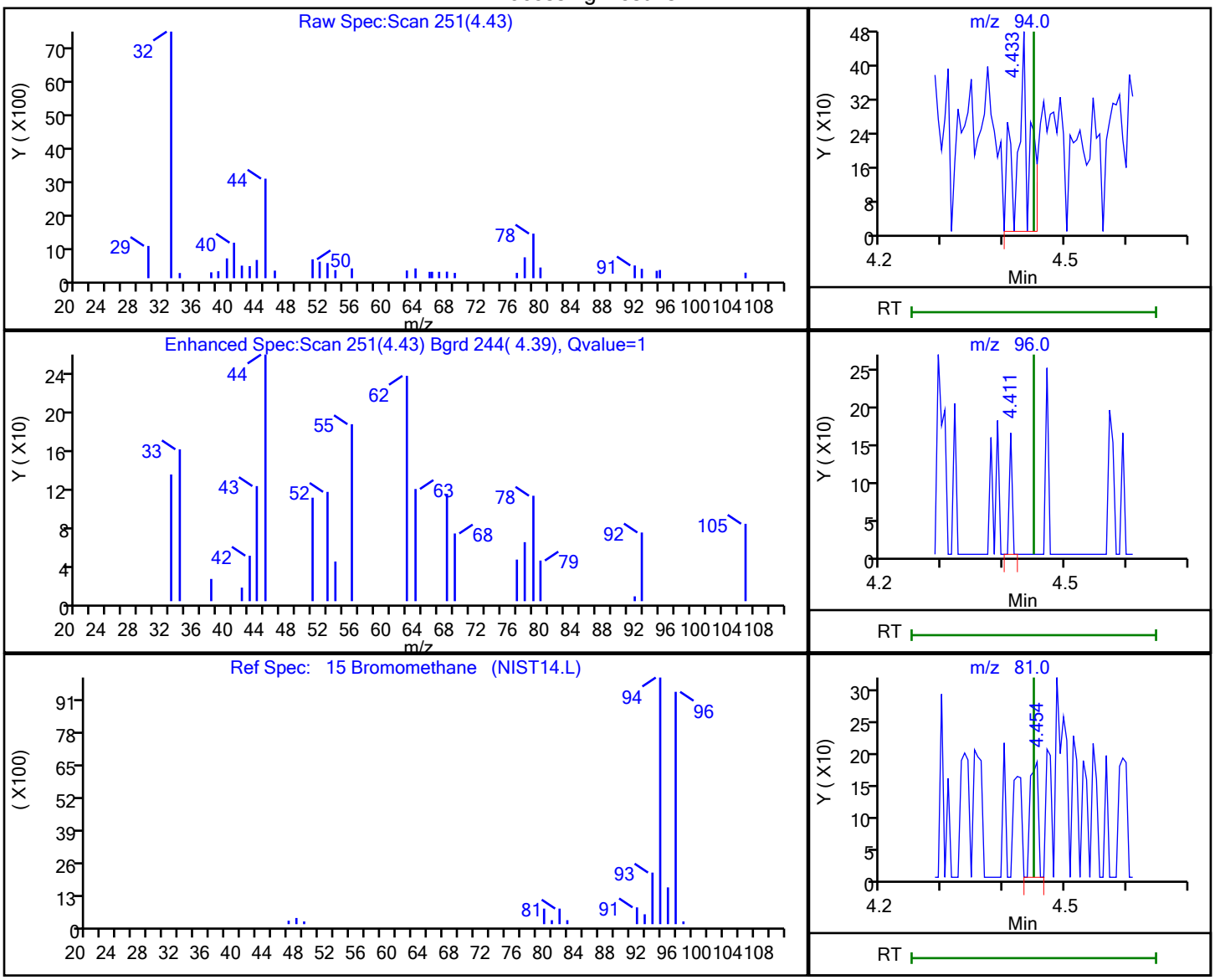
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-12.D				
Injection Date:	08-Jan-2021 01:50:30	Instrument ID:	MG		
Lims ID:	140-21568-A-12	Lab Sample ID:	140-21568-12		
Client ID:	11046				
Operator ID:	HMT	ALS Bottle#:	28	Worklist Smp#:	15
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

15 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
4.43	94.00	646	0.013096
4.41	96.00	53	
4.45	81.00	165	

Reviewer: khachitpongpanits, 11-Jan-2021 10:44:52

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.: 140-21568-1

SDG No.:

Client Sample ID: 09507 Lab Sample ID: 140-21568-13

Matrix: Air Lab File ID: GA07BK21568-13.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 02:35

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 09507 Lab Sample ID: 140-21568-13

Matrix: Air Lab File ID: GA07BK21568-13.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 02:35

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 09507 Lab Sample ID: 140-21568-13

Matrix: Air Lab File ID: GA07BK21568-13.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 02:35

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 09507 Lab Sample ID: 140-21568-13

Matrix: Air Lab File ID: GA07BK21568-13.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 02:35

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.: 45852 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\MG\20210107-17842.b\GA07BK21568-13.D				
Lims ID:	140-21568-A-13				
Client ID:	09507				
Sample Type:	Client				
Inject. Date:	08-Jan-2021 02:35:30	ALS Bottle#:	29	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017842-016				
Misc. Info.:	09507				
Operator ID:	HMT	Instrument ID:	MG		
Method:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 10:45:25	Calib Date:	07-Jan-2021 00:17:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MG\20210106-17834.b\GA06IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 10:45:57		

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
*	1 Chlorobromomethane (IS)	128	8.720	8.709	0.011	69	494178	4.80	
*	2 1,4-Difluorobenzene	114	10.909	10.904	0.005	93	1898684	4.80	
*	3 Chlorobenzene-d5 (IS)	117	15.665	15.665	0.000	84	1904197	4.80	
$	4 4-Bromofluorobenzene (Surr)	95	17.310	17.310	0.000	96	1330245	4.52	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

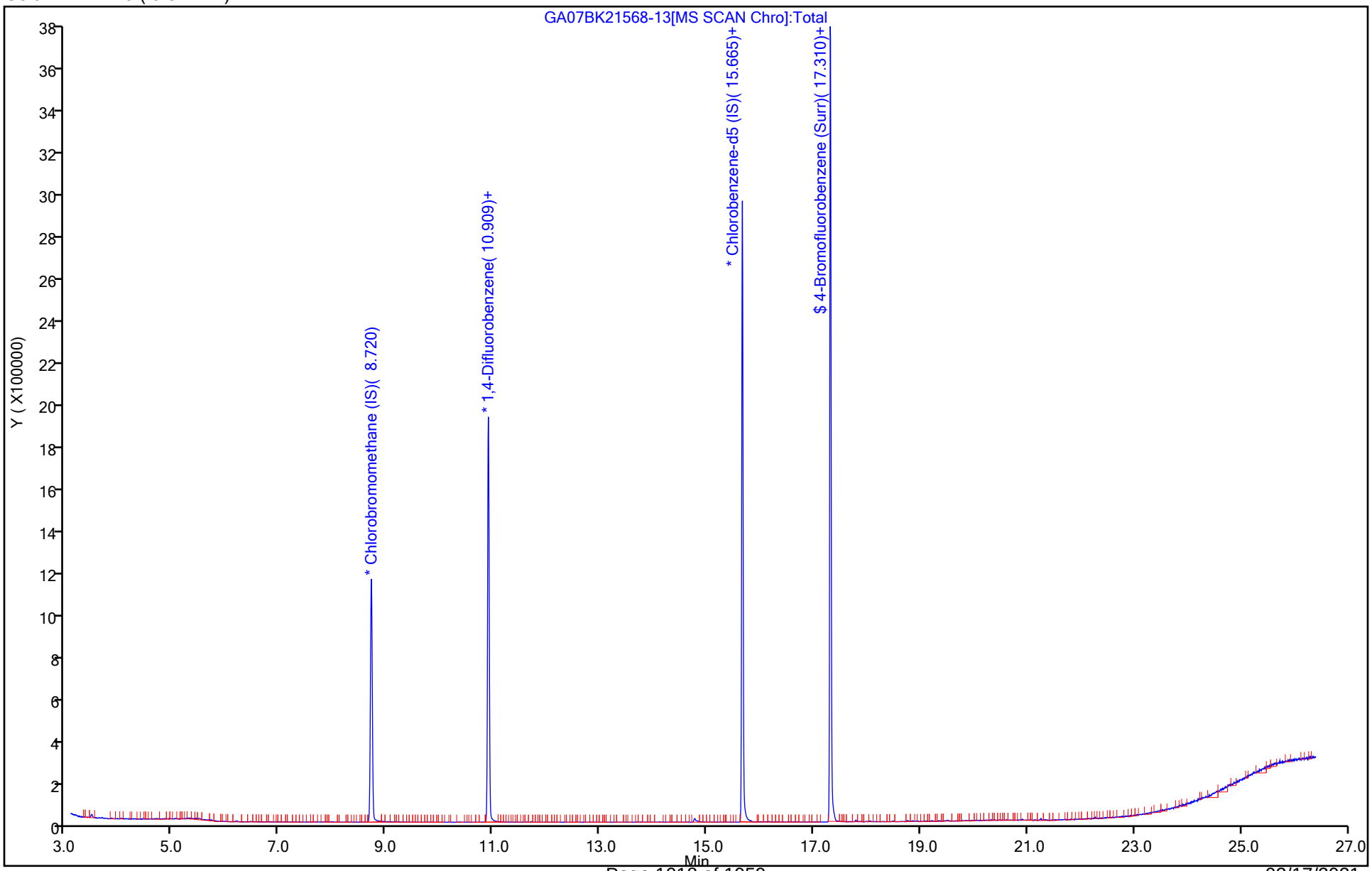
Report Date: 11-Jan-2021 10:45:58 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-13.D

Injection Date:	08-Jan-2021 02:35:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	140-21568-A-13	Lab Sample ID:	140-21568-13	Worklist Smp#:	16
Client ID:	09507				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	MG_TO15	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.: 140-21568-1

SDG No.:

Client Sample ID: 34000038 Lab Sample ID: 140-21568-14

Matrix: Air Lab File ID: GA07BK21568-14.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 03:22

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 34000038 Lab Sample ID: 140-21568-14

Matrix: Air Lab File ID: GA07BK21568-14.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 03:22

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.: 45852 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	3.4		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.: 140-21568-1

SDG No.:

Client Sample ID: 34000038 Lab Sample ID: 140-21568-14

Matrix: Air Lab File ID: GA07BK21568-14.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 03:22

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.: 45852 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.: 140-21568-1

SDG No.:

Client Sample ID: 34000038 Lab Sample ID: 140-21568-14

Matrix: Air Lab File ID: GA07BK21568-14.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 03:22

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.: 45852 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\MG\20210107-17842.b\GA07BK21568-14.D				
Lims ID:	140-21568-A-14				
Client ID:	34000038				
Sample Type:	Client				
Inject. Date:	08-Jan-2021 03:22:30	ALS Bottle#:	30	Worklist Smp#:	17
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017842-017				
Misc. Info.:	34000038				
Operator ID:	HMT	Instrument ID:	MG		
Method:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 10:46:45	Calib Date:	07-Jan-2021 00:17:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MG\20210106-17834.b\GA06IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 10:46:45		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.709	8.709	0.000	69	520660	4.80	
* 2 1,4-Difluorobenzene	114	10.903	10.904	-0.001	93	2119224	4.80	
* 3 Chlorobenzene-d5 (IS)	117	15.665	15.665	0.000	85	2050575	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	17.310	17.310	0.000	96	1474198	4.65	
17 Ethanol	31	4.670	4.670	0.000	93	61925	3.37	
25 Isopropyl alcohol	45	5.349	5.339	0.010	89	6314	0.1110	
40 Hexane	56	7.986	7.981	0.005	88	2390	0.0278	
75 Chlorobenzene	112	15.708	15.713	-0.005	40	2378	0.006612	

QC Flag Legend

Processing Flags

Reagents:

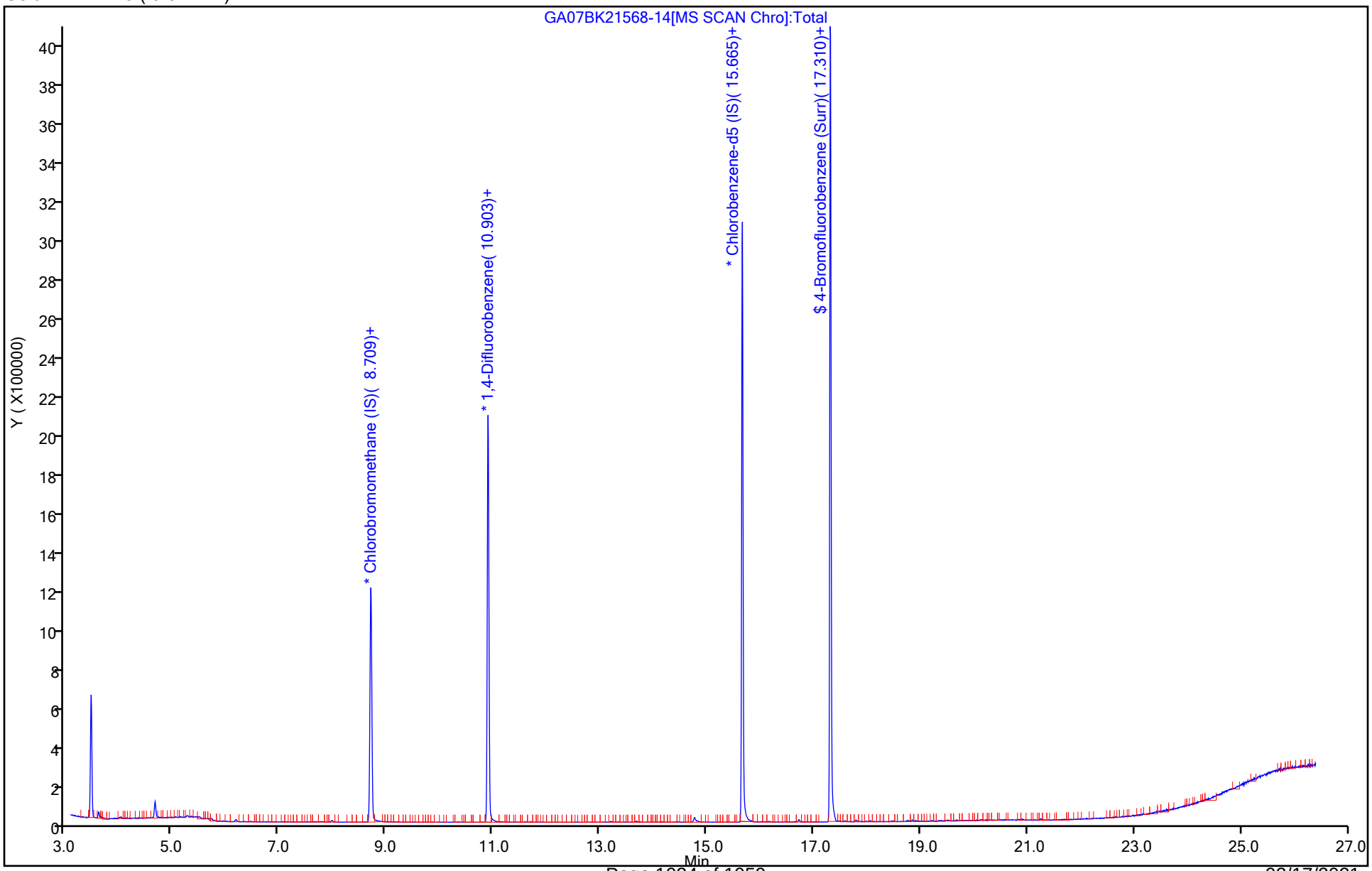
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 11-Jan-2021 10:46:45 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-14.D				
Injection Date:	08-Jan-2021 03:22:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	140-21568-A-14	Lab Sample ID:	140-21568-14	Worklist Smp#:	17
Client ID:	34000038				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

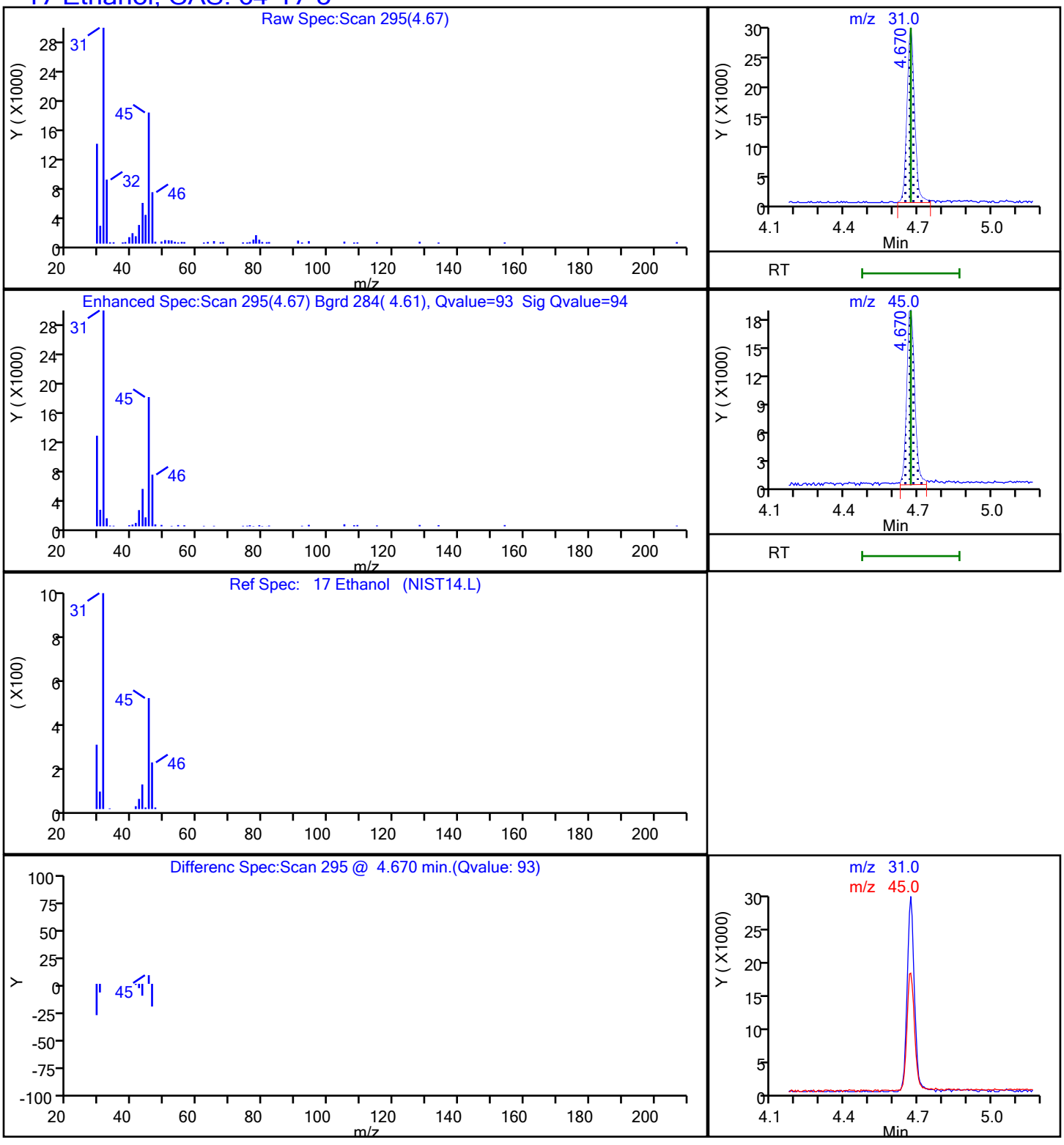
Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-14.D				
Injection Date:	08-Jan-2021 03:22:30	Instrument ID:	MG		
Lims ID:	140-21568-A-14	Lab Sample ID:	140-21568-14		
Client ID:	34000038				
Operator ID:	HMT	ALS Bottle#:	30	Worklist Smp#:	17
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

17 Ethanol, CAS: 64-17-5



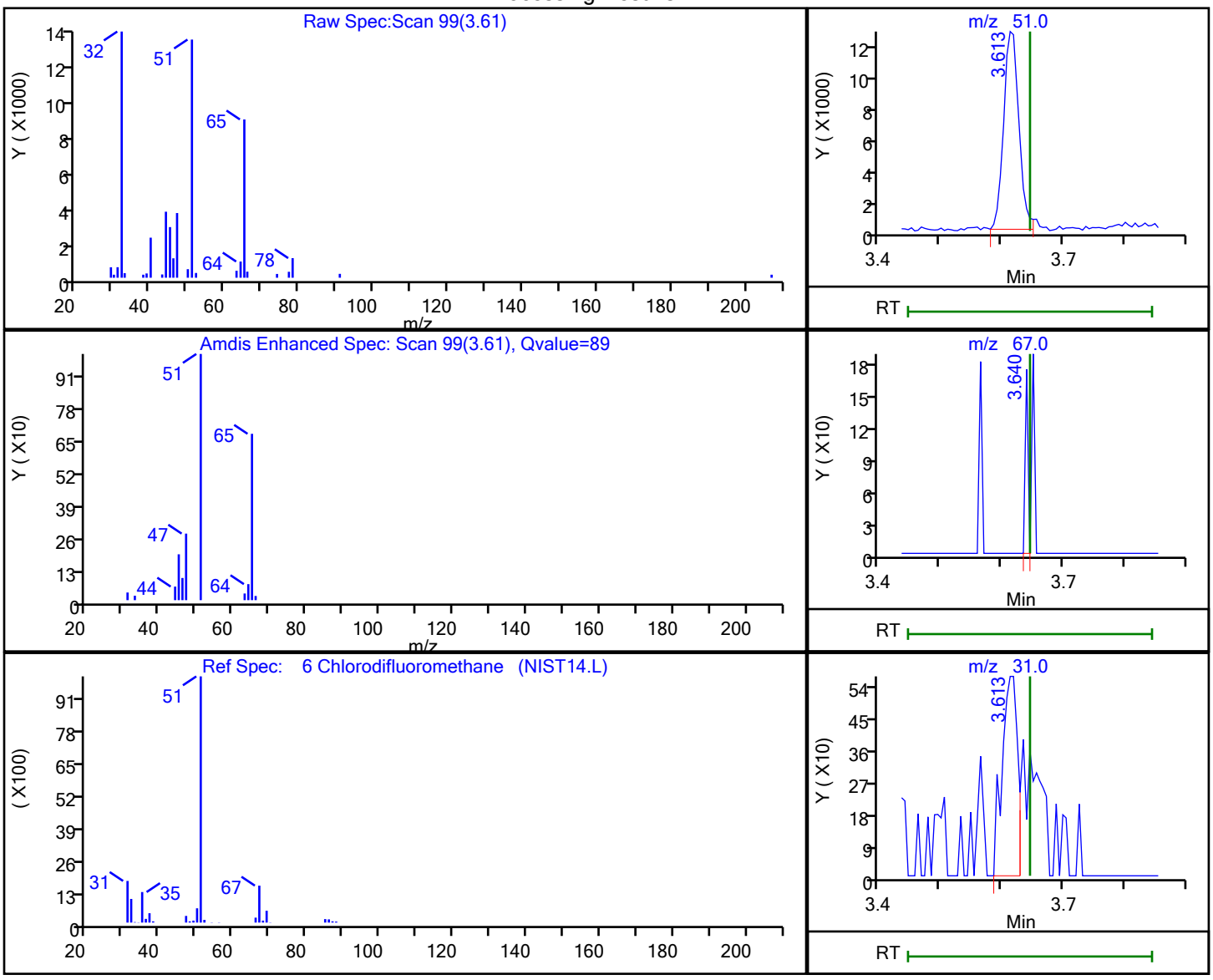
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MG\20210107-17842.b\GA07BK21568-14.D				
Injection Date:	08-Jan-2021 03:22:30	Instrument ID:	MG		
Lims ID:	140-21568-A-14	Lab Sample ID:	140-21568-14		
Client ID:	34000038				
Operator ID:	HMT	ALS Bottle#:	30	Worklist Smp#:	17
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

6 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
3.61	51.00	21582	0.118205
3.64	67.00	55	
3.61	31.00	1005	

Reviewer: khachitpongpanits, 11-Jan-2021 10:46:06

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.: 140-21568-1

SDG No.:

Client Sample ID: 10526 Lab Sample ID: 140-21568-15

Matrix: Air Lab File ID: 21568BK15.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 06:40

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.: 45849 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.: 140-21568-1

SDG No.:

Client Sample ID: 10526 Lab Sample ID: 140-21568-15

Matrix: Air Lab File ID: 21568BK15.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 06:40

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.: 45849 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	3.3		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.: 140-21568-1

SDG No.:

Client Sample ID: 10526 Lab Sample ID: 140-21568-15

Matrix: Air Lab File ID: 21568BK15.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 06:40

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.: 45849 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.: 140-21568-1

SDG No.:

Client Sample ID: 10526 Lab Sample ID: 140-21568-15

Matrix: Air Lab File ID: 21568BK15.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 06:40

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.: 45849 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\MH\20210107-17839.b\21568BK15.D
Lims ID: 140-21568-A-15
Client ID: 10526
Sample Type: Client
Inject. Date: 09-Jan-2021 06:40:30 ALS Bottle#: 16 Worklist Smp#: 27
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0017839-027
Misc. Info.: 10526
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20210107-17839.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 11-Jan-2021 12:29:37 Calib Date: 19-Sep-2020 06:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200918-16664.b\HI18IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: khachitpongpanits Date: 11-Jan-2021 12:29:37

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
*	1 Chlorobromomethane (IS)	128	9.451	9.456	-0.005	89	125966	4.80	
*	2 1,4-Difluorobenzene	114	11.679	11.684	-0.005	94	539914	4.80	
*	3 Chlorobenzene-d5 (IS)	117	16.413	16.413	0.000	85	476226	4.80	
$	4 4-Bromofluorobenzene (Surr)	95	18.031	18.031	0.000	95	285761	3.81	
	7 Propene	41	3.885	3.864	0.021	49	423	0.0177	7
	17 Ethanol	31	5.032	5.022	0.010	94	36563	3.31	
	25 Isopropyl alcohol	45	5.823	5.771	0.052	92	2089	0.0543	
	40 Hexane	56	8.640	8.616	0.000	75	774	0.0344	
	49 n-Butanol	31	11.085	11.039	0.025	88	677	0.0593	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

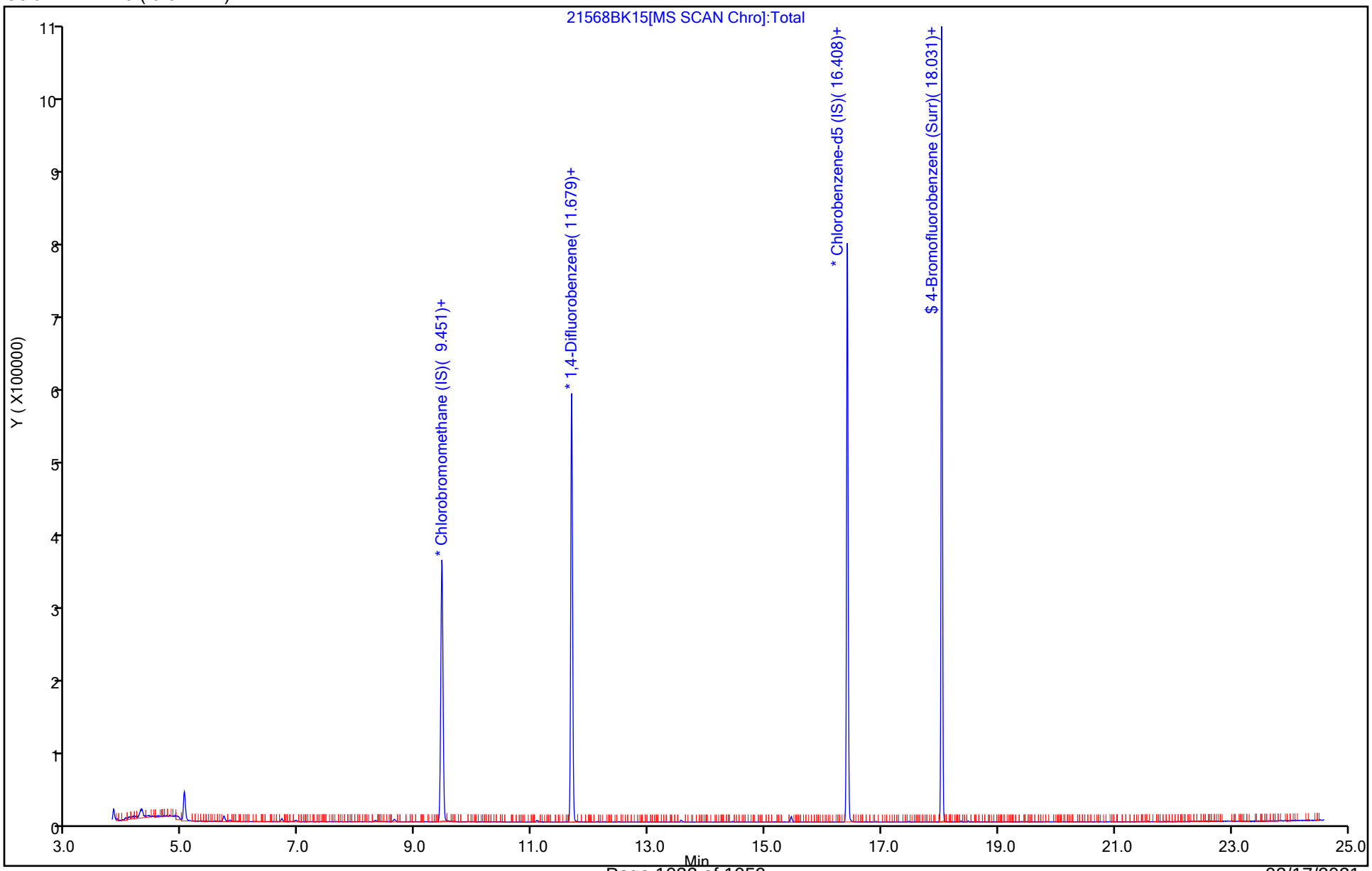
Report Date: 11-Jan-2021 12:29:38 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210107-17839.b\21568BK15.D

Injection Date:	09-Jan-2021 06:40:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-21568-A-15	Lab Sample ID:	140-21568-15	Worklist Smp#:	27
Client ID:	10526				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

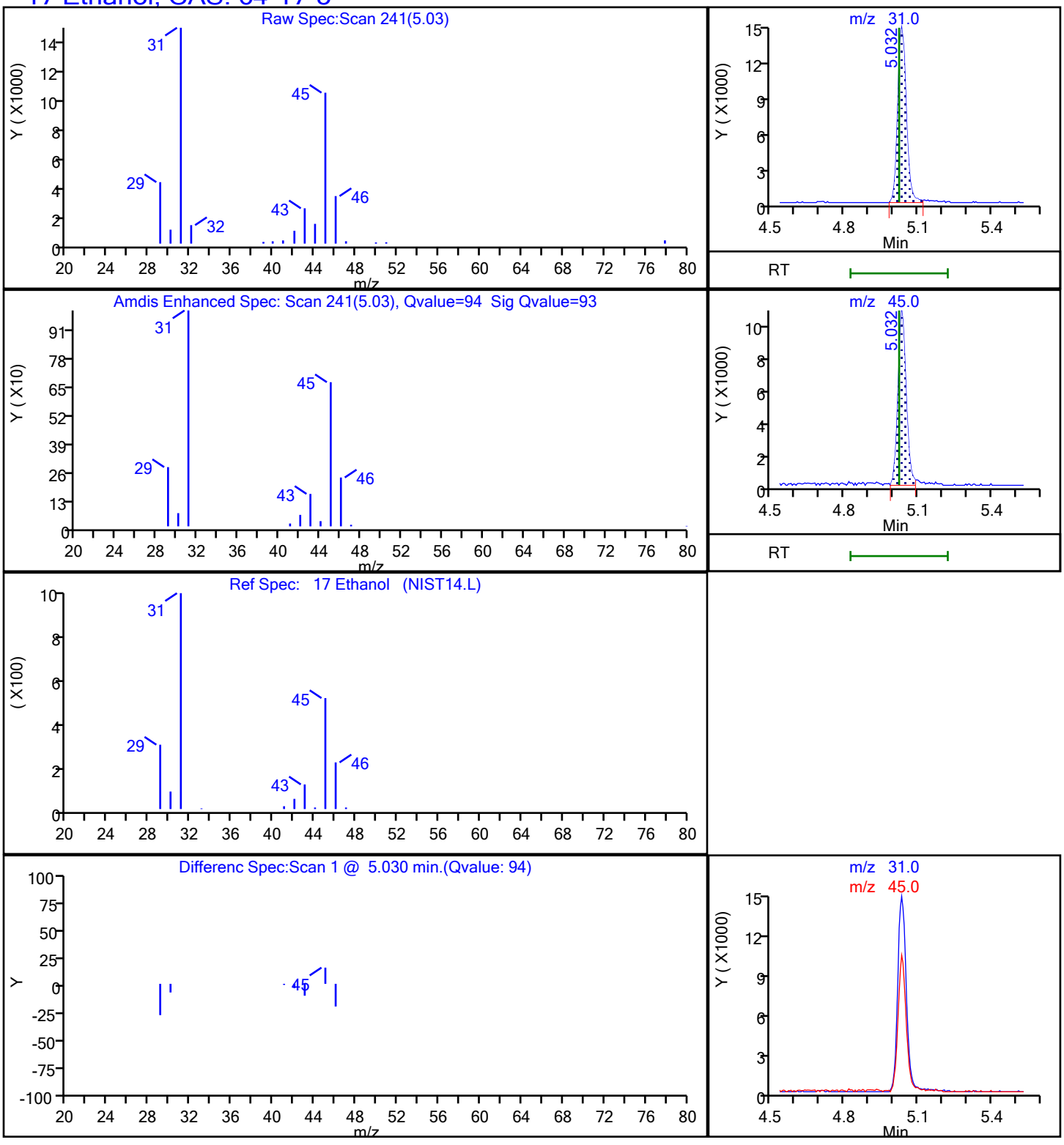


Report Date: 11-Jan-2021 12:29:38 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210107-17839.b\21568BK15.D				
Injection Date:	09-Jan-2021 06:40:30	Instrument ID:	MH		
Lims ID:	140-21568-A-15	Lab Sample ID:	140-21568-15		
Client ID:	10526				
Operator ID:	HMT	ALS Bottle#:	16	Worklist Smp#:	27
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

17 Ethanol, CAS: 64-17-5



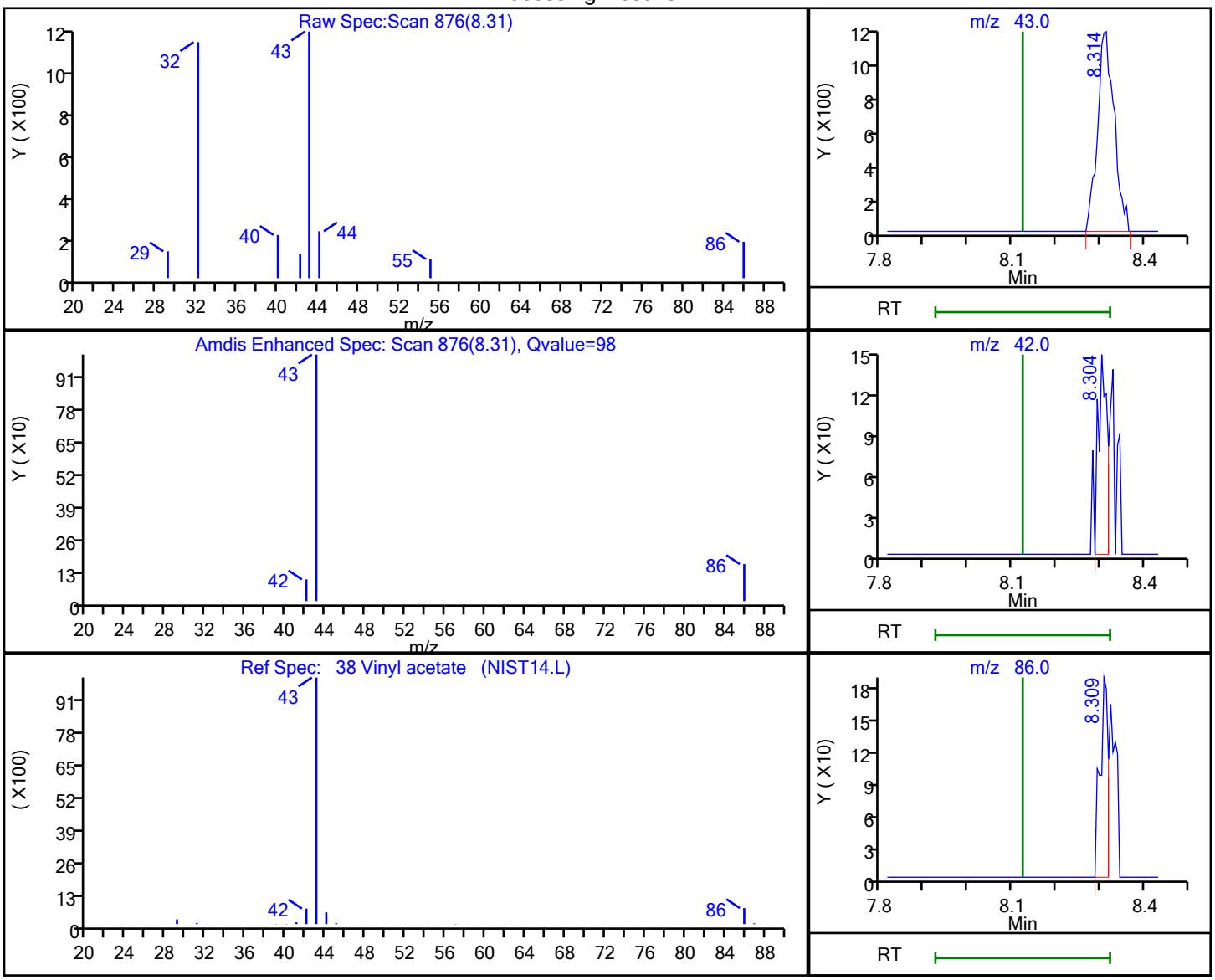
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210107-17839.b\21568BK15.D				
Injection Date:	09-Jan-2021 06:40:30	Instrument ID:	MH		
Lims ID:	140-21568-A-15	Lab Sample ID:	140-21568-15		
Client ID:	10526				
Operator ID:	HMT	ALS Bottle#:	16	Worklist Smp#:	27
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

38 Vinyl acetate, CAS: 108-05-4

Processing Results



RT	Mass	Response	Amount
8.31	43.00	3151	0.046093
8.30	42.00	203	
8.31	86.00	237	

Reviewer: khachitpongpanits, 11-Jan-2021 12:29:14

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.: 140-21568-1

SDG No.:

Client Sample ID: 10116 Lab Sample ID: 140-21568-16

Matrix: Air Lab File ID: 21568BK16.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 14:53

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.: 45849 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.: 140-21568-1

SDG No.:

Client Sample ID: 10116 Lab Sample ID: 140-21568-16

Matrix: Air Lab File ID: 21568BK16.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 14:53

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.: 45849 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.: 140-21568-1

SDG No.:

Client Sample ID: 10116 Lab Sample ID: 140-21568-16

Matrix: Air Lab File ID: 21568BK16.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 14:53

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.: 45849 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.: 140-21568-1

SDG No.:

Client Sample ID: 10116 Lab Sample ID: 140-21568-16

Matrix: Air Lab File ID: 21568BK16.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/08/2021 14:53

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.: 45849 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\MH\20210107-17839.b\21568BK16.D
Lims ID: 140-21568-A-16
Client ID: 10116
Sample Type: Client
Inject. Date: 08-Jan-2021 14:53:30 ALS Bottle#: 17 Worklist Smp#: 28
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0017839-010
Misc. Info.: 10116
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20210107-17839.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 11-Jan-2021 12:12:33 Calib Date: 19-Sep-2020 06:37:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200918-16664.b\HI18IC07.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: khachitpongpanits Date: 11-Jan-2021 12:12:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.426	9.456	-0.030	89	146485	4.80	
* 2 1,4-Difluorobenzene	114	11.663	11.684	-0.021	94	633200	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.413	16.413	0.000	85	553135	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.031	18.031	0.000	95	334054	3.83	
7 Propene	41	3.875	3.864	0.011	59	258	0.009309	7
17 Ethanol	31	5.032	5.022	0.010	95	11154	0.8676	
46 Tetrahydrofuran	42	9.875	9.870	0.005	60	1007	0.0264	
49 n-Butanol	31	11.054	11.054	-0.005	89	9666	0.7214	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

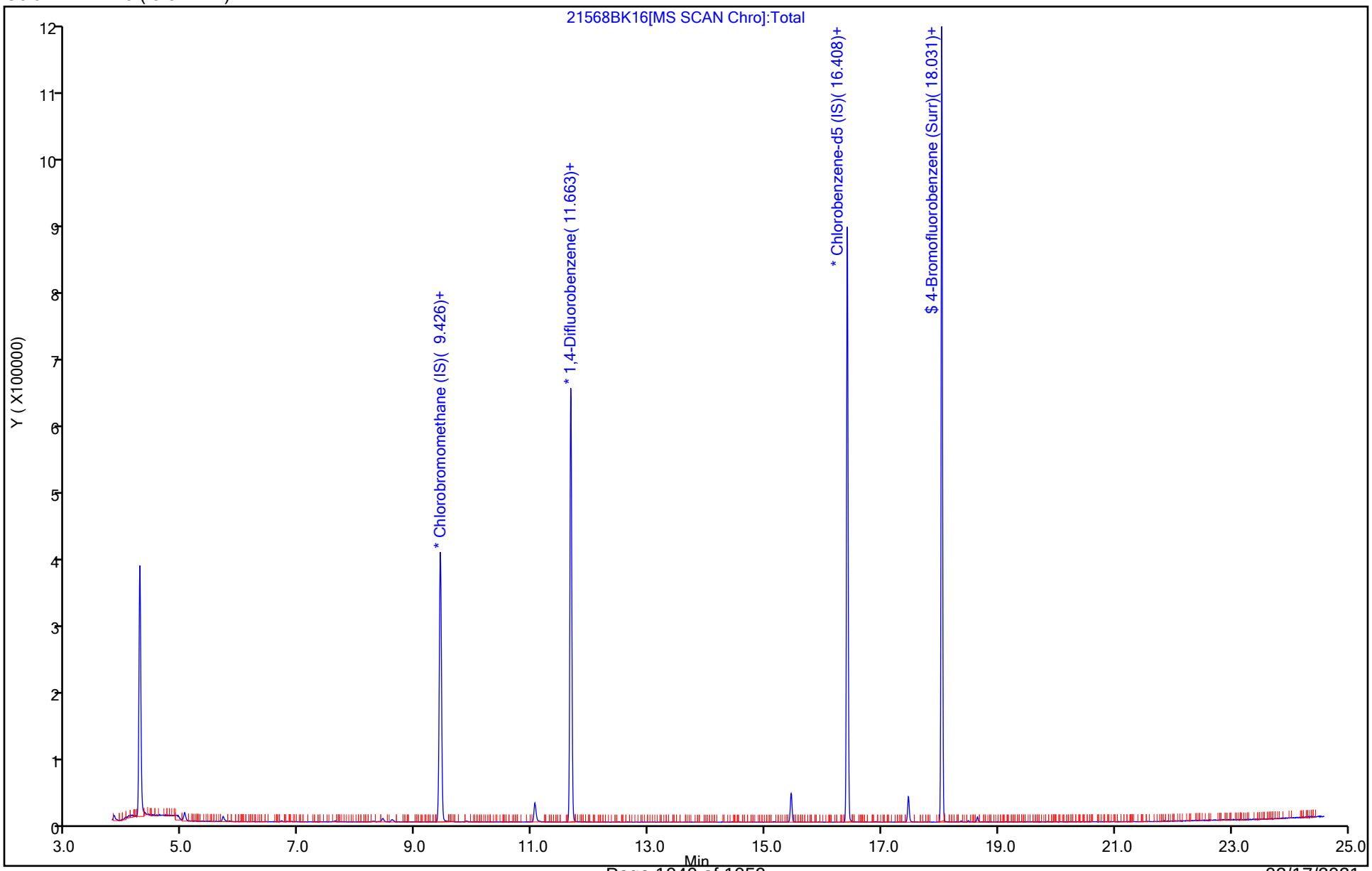
40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 11-Jan-2021 12:12:34 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210107-17839.b\21568BK16.D				
Injection Date:	08-Jan-2021 14:53:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-21568-A-16	Lab Sample ID:	140-21568-16	Worklist Smp#:	28
Client ID:	10116				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



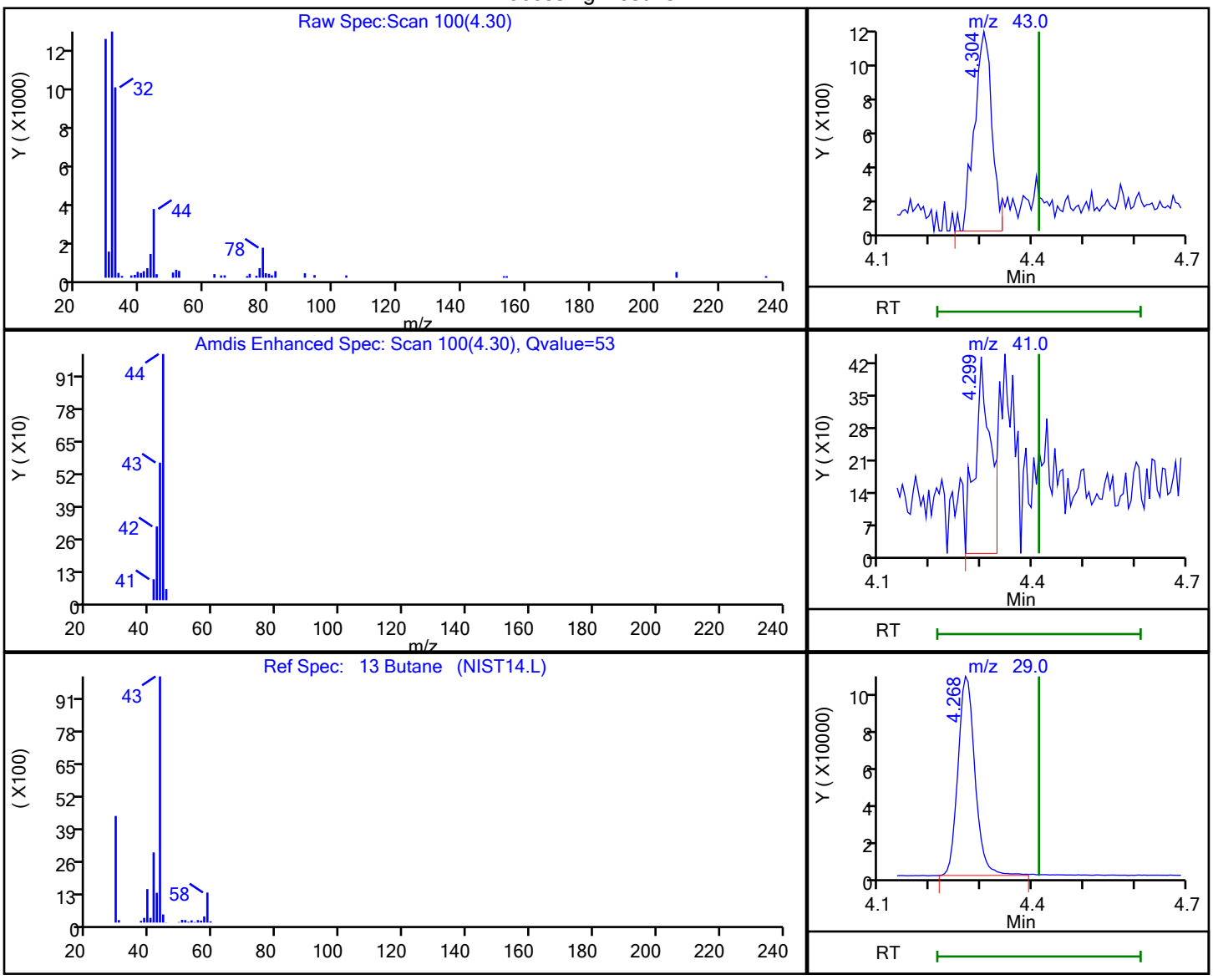
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210107-17839.b\21568BK16.D				
Injection Date:	08-Jan-2021 14:53:30	Instrument ID:	MH		
Lims ID:	140-21568-A-16	Lab Sample ID:	140-21568-16		
Client ID:	10116				
Operator ID:	HMT	ALS Bottle#:	17	Worklist Smp#:	28
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

13 Butane, CAS: 106-97-8

Processing Results



RT	Mass	Response	Amount
4.30	43.00	2874	0.076250
4.30	41.00	898	
4.27	29.00	247687	

Reviewer: khachitpongpanits, 11-Jan-2021 12:11:57

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.: 140-21568-1

SDG No.:

Client Sample ID: 10026 Lab Sample ID: 140-21568-17

Matrix: Air Lab File ID: 21568BK17.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 07:36

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.: 45849 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.: 140-21568-1

SDG No.:

Client Sample ID: 10026 Lab Sample ID: 140-21568-17

Matrix: Air Lab File ID: 21568BK17.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 07:36

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.: 45849 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.: 140-21568-1

SDG No.:

Client Sample ID: 10026 Lab Sample ID: 140-21568-17

Matrix: Air Lab File ID: 21568BK17.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 07:36

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.: 45849 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.: 140-21568-1

SDG No.:

Client Sample ID: 10026 Lab Sample ID: 140-21568-17

Matrix: Air Lab File ID: 21568BK17.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 07:36

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.: 45849 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\MH\20210107-17839.b\21568BK17.D				
Lims ID:	140-21568-A-17				
Client ID:	10026				
Sample Type:	Client				
Inject. Date:	09-Jan-2021 07:36:30	ALS Bottle#:	17	Worklist Smp#:	29
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017839-029				
Misc. Info.:	10026				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20210107-17839.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 12:30:14	Calib Date:	19-Sep-2020 06:37:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200918-16664.b\HI18IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 12:30:14		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.431	9.456	-0.025	89	124930	4.80	
* 2 1,4-Difluorobenzene	114	11.664	11.684	-0.020	94	531079	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.408	16.413	-0.005	85	486480	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.031	18.031	0.000	95	291770	3.80	
33 Carbon disulfide	76	6.893	6.864	0.010	84	1184	0.0134	

QC Flag Legend

Processing Flags

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

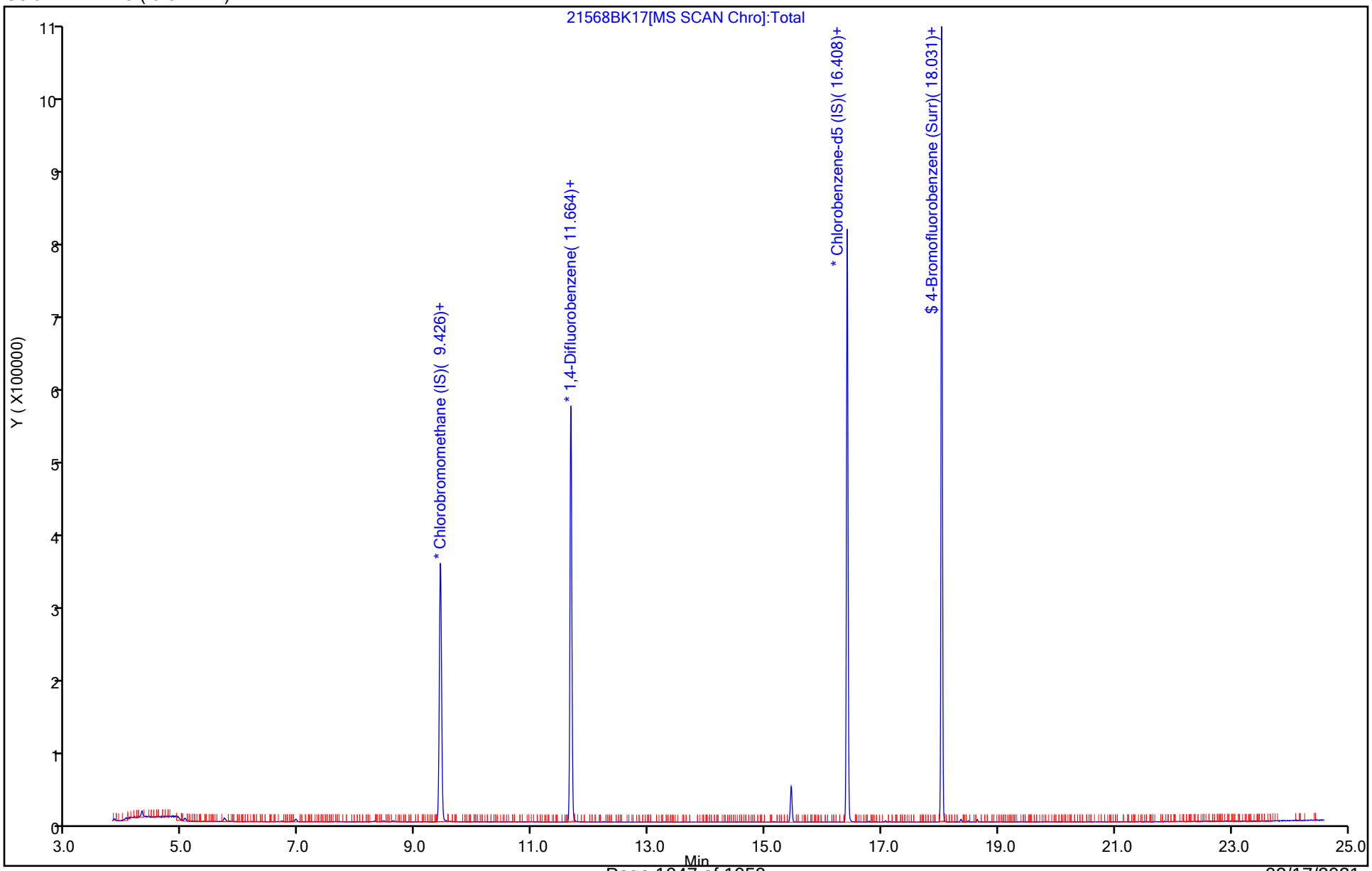
Report Date: 11-Jan-2021 12:30:14 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210107-17839.b\21568BK17.D

Injection Date:	09-Jan-2021 07:36:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-21568-A-17	Lab Sample ID:	140-21568-17	Worklist Smp#:	29
Client ID:	10026				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



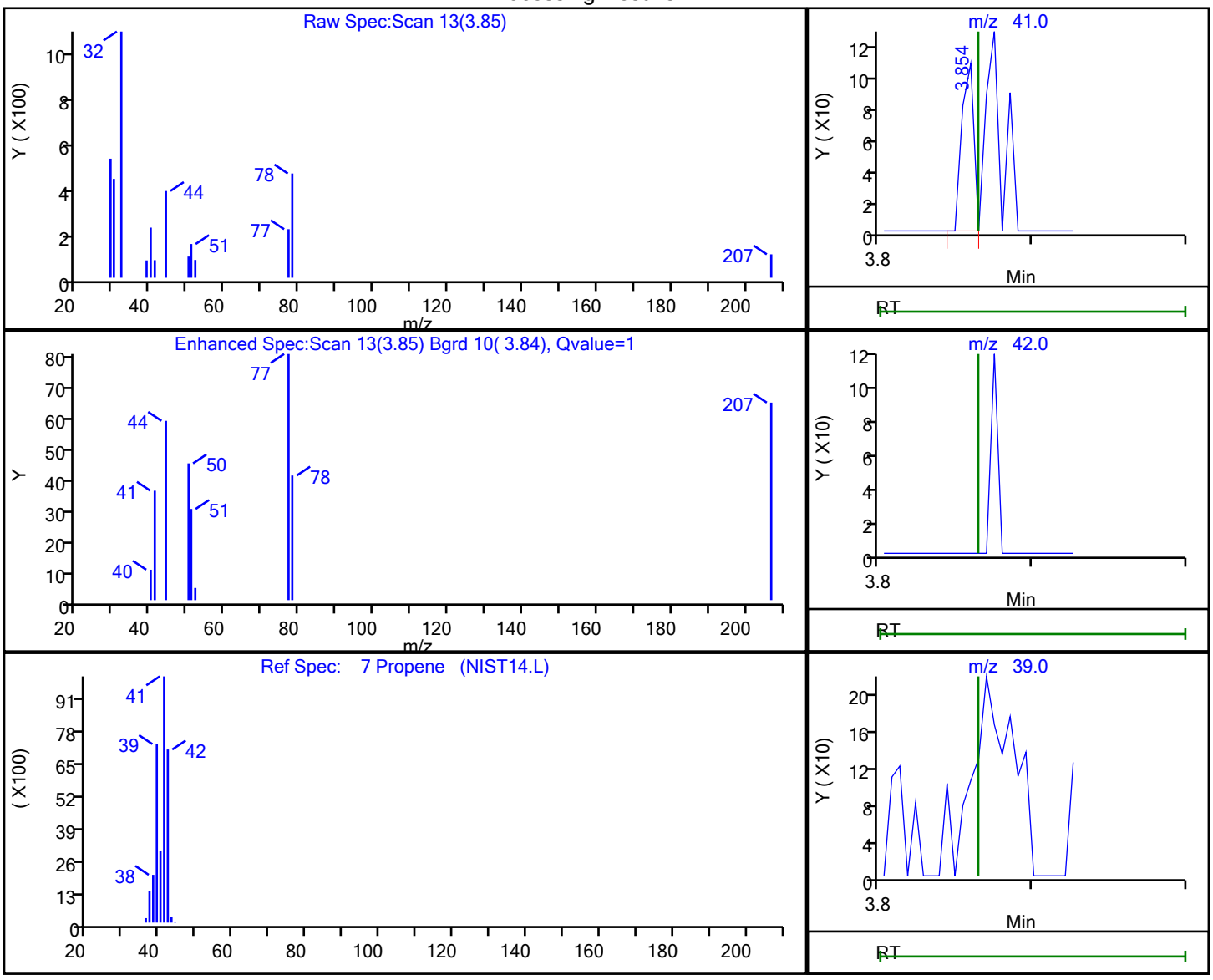
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210107-17839.b\21568BK17.D				
Injection Date:	09-Jan-2021 07:36:30	Instrument ID:	MH		
Lims ID:	140-21568-A-17	Lab Sample ID:	140-21568-17		
Client ID:	10026				
Operator ID:	HMT	ALS Bottle#:	17	Worklist Smp#:	29
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MH_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
3.85	41.00	56	0.002369
3.86	42.00	0	
3.86	39.00	0	

Reviewer: khachitpongpanits, 11-Jan-2021 12:29:45

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.: 140-21568-1

SDG No.:

Client Sample ID: 10218 Lab Sample ID: 140-21568-18

Matrix: Air Lab File ID: 21568BK18.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 08:33

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.: 45849 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.: 140-21568-1

SDG No.:

Client Sample ID: 10218 Lab Sample ID: 140-21568-18

Matrix: Air Lab File ID: 21568BK18.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 08:33

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.: 45849 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.: 140-21568-1

SDG No.:

Client Sample ID: 10218 Lab Sample ID: 140-21568-18

Matrix: Air Lab File ID: 21568BK18.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 08:33

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.: 45849 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.: 140-21568-1

SDG No.:

Client Sample ID: 10218 Lab Sample ID: 140-21568-18

Matrix: Air Lab File ID: 21568BK18.D

Analysis Method: TO 15 LL Date Collected: 01/04/2021 13:55

Sample wt/vol: 500(mL) Date Analyzed: 01/09/2021 08:33

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.: 45849 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\MH\20210107-17839.b\21568BK18.D				
Lims ID:	140-21568-A-18				
Client ID:	10218				
Sample Type:	Client				
Inject. Date:	09-Jan-2021 08:33:30	ALS Bottle#:	2	Worklist Smp#:	30
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0017839-030				
Misc. Info.:	10218				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20210107-17839.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	11-Jan-2021 12:30:57	Calib Date:	19-Sep-2020 06:37:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200918-16664.b\HI18IC07.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1685				
First Level Reviewer: khachitpongpanits		Date:	11-Jan-2021 12:30:57		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	9.431	9.456	-0.025	89	125610	4.80	
* 2 1,4-Difluorobenzene	114	11.663	11.684	-0.021	94	529461	4.80	
* 3 Chlorobenzene-d5 (IS)	117	16.408	16.413	-0.005	85	469568	4.80	
$ 4 4-Bromofluorobenzene (Surr)	95	18.031	18.031	0.000	95	287115	3.88	
7 Propene	41	3.885	3.864	0.021	36	190	0.007995	7
46 Tetrahydrofuran	42	9.875	9.843	0.005	90	7115	0.2178	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

40MXISSUR_00001 Amount Added: 40.00 Units: mL Run Reagent

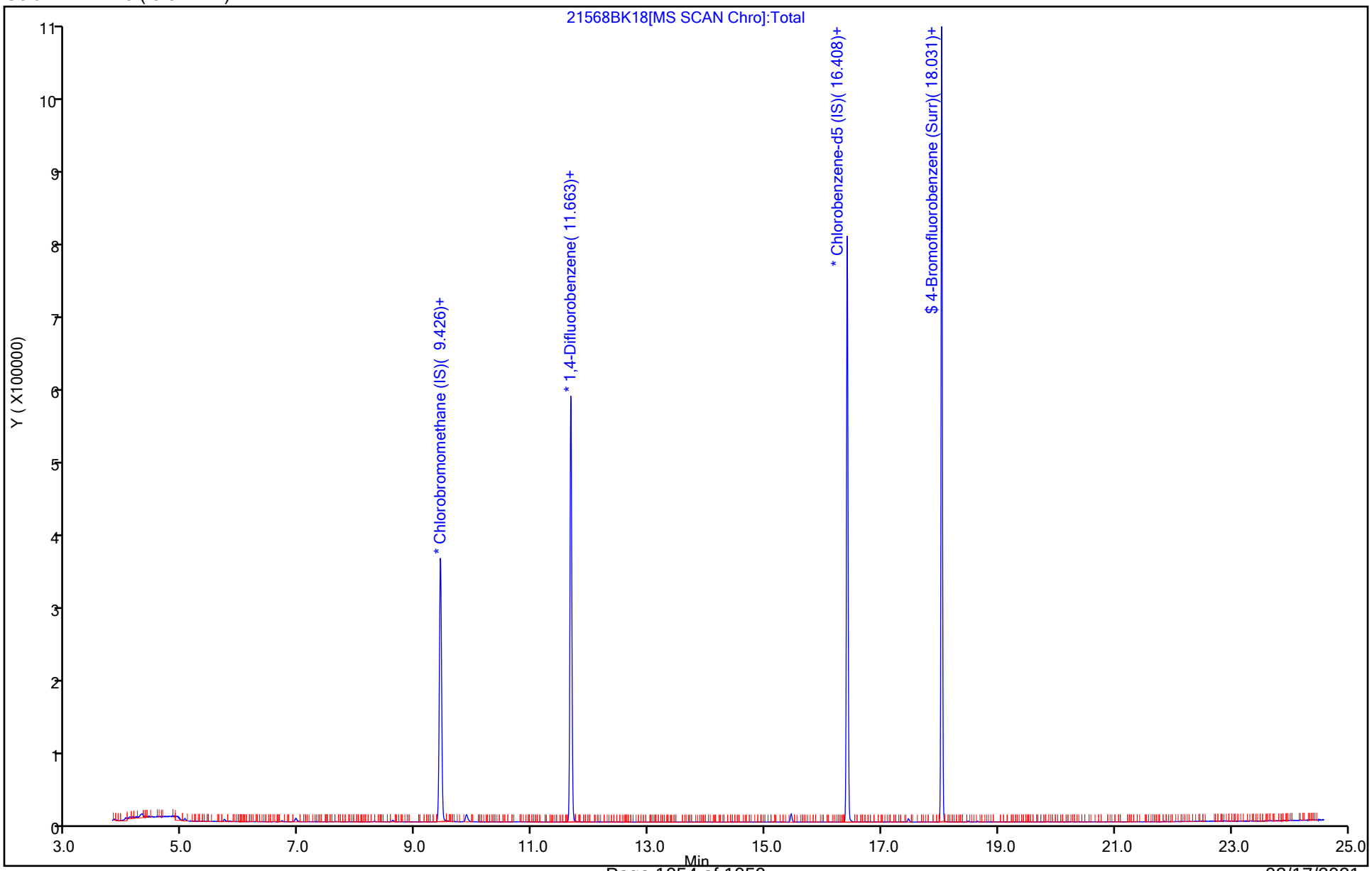
Report Date: 11-Jan-2021 12:30:58 Chrom Revision: 2.3 09-Dec-2020 16:22:14

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20210107-17839.b\21568BK18.D

Injection Date:	09-Jan-2021 08:33:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-21568-A-18	Lab Sample ID:	140-21568-18	Worklist Smp#:	30
Client ID:	10218				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



02/17/2021

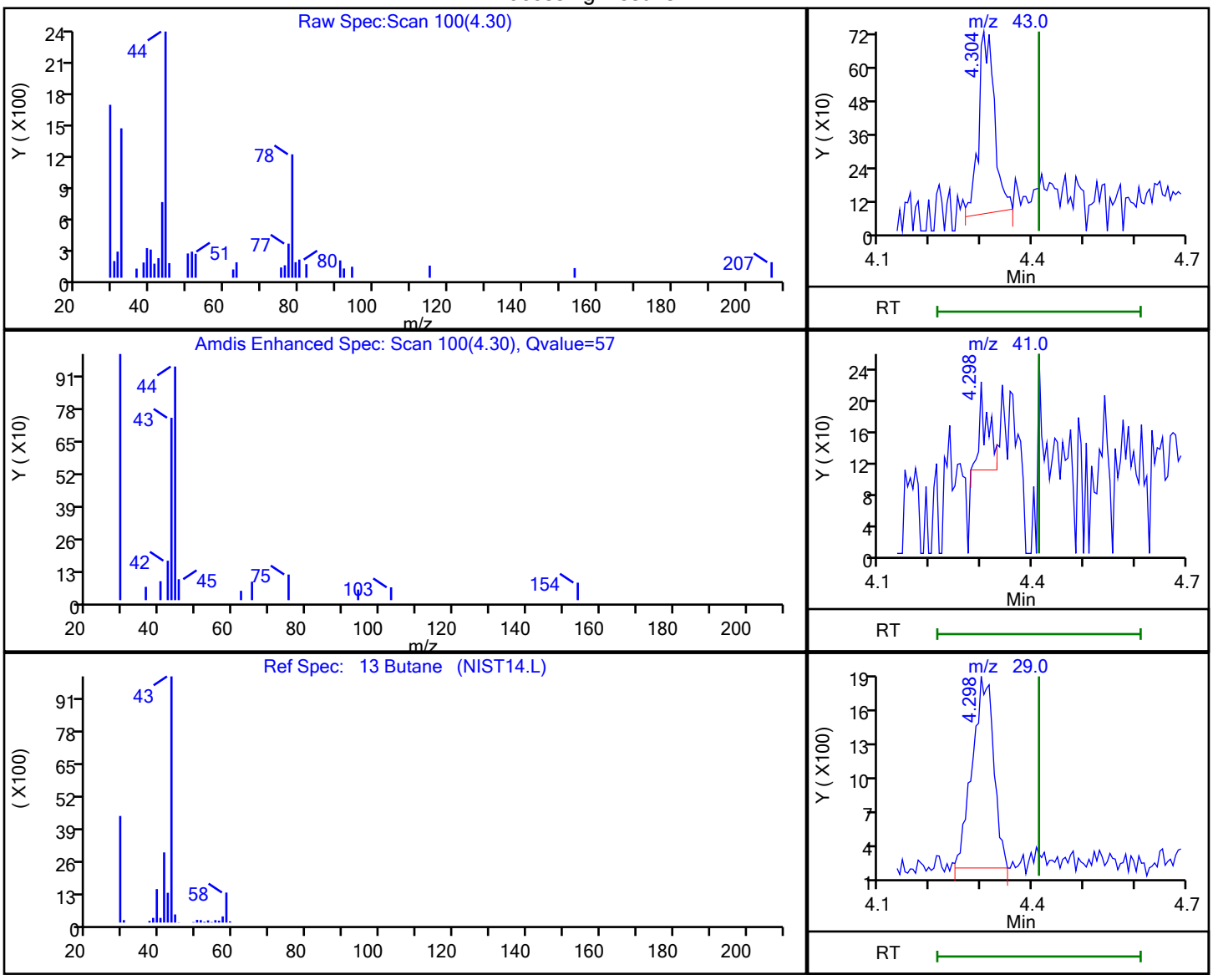
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20210107-17839.b\21568BK18.D				
Injection Date:	09-Jan-2021 08:33:30	Instrument ID:	MH		
Lims ID:	140-21568-A-18	Lab Sample ID:	140-21568-18		
Client ID:	10218				
Operator ID:	HMT	ALS Bottle#:	2	Worklist Smp#:	30
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

13 Butane, CAS: 106-97-8

Processing Results



RT	Mass	Response	Amount
4.30	43.00	1438	0.044492
4.30	41.00	130	
4.30	29.00	4645	

Reviewer: khachitpongpanits, 11-Jan-2021 12:30:23

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Shipping and Receiving Documents

NYC 222

Canister Samples Chain of Custody Record

140-21885 Chain of Custody

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921-5947
phone 865.291.3000 fax 865.584.4315

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	**Client Project Manager:** Chris Morris	**Samples Collected By:** George Holmes
Company Name: GEI Consultants, Inc.	**Phone:**	
Address: 1000 New York Ave, Suite B	**Email:** CMorris@GEIConsultants.com	
City/State/Zip Huntington Station, NY 11746		
Phone: 631-759-2967	**Site Contact:**	
FAX:	**Tel/Fax**	
Project Name: GPEC RI	**Analysis Turnaround Time**	
Site/Location: 287 Maspeth Ave, Brooklyn, 11211	Standard (Specific): X	
PO# 125180-3.1302	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:
GPEC-SV306	2/4/21	0722	2/4/21	1502	-30	-5	10657	09606							X			X					
GPEC-IA306	↓	0723	↓	1521	-30	-5	7168	09974							X		X						
GPEC-OAFACILITIES		0732		1449	-28	-5	7191	10716							X		X						
GPEC-IA327		0740		1516	-30	-5	10447	09978							X		X						
GPEC-OAGATEHOUSE		0747		1518	-30	-6	11505	09507							X		X						
GPEC-XX020421	↓	—	↓	—	-27	-6	11730	11997							X		X						

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Other: TO15_LL_Pf-(MOD)ConEdison Analyte List

Received @ ambient, 2 boxes, FedEx PO No Custody seal, trk# 7728 3513 1831 3608 5588

Special Instructions/QC Requirements & Comments:

KW 2/6/21

Samples Shipped by:	**Date / Time:** 02/05/21 14:00	**Samples Received by:**	2 5 21 1255
Samples Relinquished by:	**Date / Time:** 2/5/21 1255	**Received by:**	
Relinquished by:	**Date / Time:** 2 5 21 1402	**Received by:** ETA	2/6/21 0915
Lab Use Only: **Shipper Name:**	**Opened by:**	**Condition:**	

8 coolers, 8 cc, 8 flows KW 2/6/21 ~~6 coolers, 6 cc, 6 flows~~

Loc: 140

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST **Log In Number:** **21885**

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 #: 1400433 PM Instructions: _____

Sample Receiving Associate: _____ Date: 2/6/21

QA026R32.doc, 062719

TestAmerica Knoxville - Air Canister Initial Pressure Check

Gauge ID: G5
Date: 2/8/2021

Analyst	Sample ID	Asset #	Cleaning Job	Cert	Size (L)	Pressure @ Receipt (-in Hg or +psig)	Time	Comments
BRS	140-21885-a-1	09606	21567	IND	6	-4.1	9:03	
BRS	140-21885-a-2	09974	21567	IND	6	-3.8	9:04	
BRS	140-21885-a-3	10716	21567	IND	6	-5.0	9:05	
BRS	140-21885-a-4	09978	21568	IND	6	-5.5	9:06	
BRS	140-21885-a-5	09507	21568	IND	6	-4.1	9:07	
BRS	140-21885-a-6	11997	21568	IND	6	-4.1	9:08	

□ 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#_____)

Site: Greenpoint Energy Center Former MGP, Brooklyn, NY
Laboratory: Test America, Knoxville TN
Report Number: 140-21885
Reviewer: Lorie MacKinnon/GEI Consultants
Date: March 3, 2021

Samples Reviewed and Evaluation Summary

FIELD ID	LAB ID	Requested Analyses	Level of Review
GPEC-SV306	140-21885-01	VOC	Completeness only
GPEC-IA 306	**140-21885-02**	**VOC**	**Validated**
GPEC-OA Facilities	140-21885-03	VOC	Completeness only
GPEC-IA 327	140-21885-04	VOC	Completeness only
GPEC-OA Gatehouse	140-21885-05	VOC	Completeness only
GPEC-XX 020421	140-21885-06	VOC	Completeness only

Associated QC Samples: Field Blanks: None associated
Field Duplicates: GPEC-IA306/GPEC-XX 020421

The above-listed air samples were collected on February 4, 2021 and were analyzed for volatile organic compounds (VOCs) by EPA Method TO-15. The data validation was performed based on the USEPA Region II Standard Operating Procedure HW-31, Revision 6, *Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15* (June 2014).

A 20 percent validation was requested for this project and sample GPEC-IA 306 was chosen to meet this frequency for the TO-15 analysis.

The organic data were evaluated based on the following parameters:

- Data Completeness
- Holding Times and Sample Preservation
- Gas Chromatography/Mass Spectrometry (GC/MS) Tunes
- Initial and Continuing Calibrations
- Blanks
- Surrogate Recoveries
- Internal Standards
- Laboratory Control Sample (LCS) Results
- Laboratory Duplicate Results
- Field Duplicate Results
- Quantitation Limits
- Sample Quantitation and Compound Identification

In general, the data appear usable as reported or usable with minor qualification due to sample matrix or laboratory quality control outliers. Select results were qualified as estimated due to calibration nonconformances, blank contamination, field duplicate precision, spectral interference, lack of LCS information, and low level uncertainty for levels below the reporting limit. All results were considered valid; even though some were qualified as discussed below.

The validation findings were based on the following information.

Data Completeness

The data package was complete as received by the laboratory.

Holding Times and Sample Preservation

All criteria were met.

GC/MS Tunes

All criteria were met.

Initial and Continuing Calibrations

Compounds that did not meet criteria in the calibrations are summarized in the following table.

Instrument/ Calibration Standard	Compound	Calibration Exceedance	Validation Qualifier
MS CCAL 02/09/21 10:43	Dibromochloromethane	30.1 %D	Estimate (UJ) the nondetect results for affected compounds in sample GPEC-IA 306.
	Bromoform	36.2 %D	
	Styrene	31.1 %D	
Associated sample: GPEC-IA 306			

Initial calibration (ICAL) relative standard deviation (%RSD) > 30 for; estimate (J) positive and blank-qualified (UJ) results only.
Continuing calibration (CCAL) percent difference (%D) > 30%; estimate (J/UJ) positive and nondetect results.
RF = Response factor (RRF) < 0.05; Estimate (J) positive results and reject (R) nondetect results.

Due to a vendor standard issue, the calibration standard did not contain 1,2,3,4-tetramethylbenzene and 1,2,3,5-tetramethylbenzene. The laboratory reported 1,2,3,4-tetramethylbenzene and 1,2,3,5-tetramethylbenzene as tentatively identified compounds (TICs).

Indane, indene, and thiophene were reported as TICs but were found present in the initial calibration curve with acceptable relative standard deviations. The 'T' flag that the laboratory assigned to indane, indene, and thiophene in the database was removed by the validator as these compounds could be reported as target compounds.

Blanks

Contamination was detected in select laboratory method blank samples. Contamination was not detected in the canister certification samples. The following table lists the contamination and validation actions taken.

Analyte	Blank ID/Associated Samples	Concentration	Validation Actions
Benzene	MB 140-46753: GPEC-IA 306	0.0285 ug/m^3	Validation action was not required.
Carbon disulfide		0.0641 ug/m^3	Qualify the results for carbon disulfide and chlorobenzene as nondetect (U) at the reporting limit in sample GPEC-IA 306.
Chlorobenzene		0.0283 ug/m^3	

Blank Actions
If the sample result is < RL; report the result as nondetect (U) at the RL.
If the sample result is ≥ RL and < 2xRL (or 4xRL for common contaminants); report the sample result as nondetect (U) at the reported value.
If the sample result is ≥ 2xRL and < 10x contamination detected; professional judgment was taken to report the sample result as estimated (J); biased high.
If the sample result is nondetect or > 10x Action Level; validation action is not required.

Surrogate Recoveries

All criteria were met.

Internal Standards

All criteria were met.

LCS Results

All recovery criteria were met except where noted below.

LCS ID	Analyte	Recovery (%)	Control Limits (%)	Validation Action/Bias
LCS 140-46753	Styrene	131	70-130	Validation action was not required as the affected result was nondetect in the associated sample and therefore not affected by the potential high bias.
Associated sample: GPEC-IA 306				

Due to a vendor standard issue, the secondary standard (LCS) did not contain the following compounds: 1,2,3,4-tetramethylbenzene and 1,2,3,5-tetramethylbenzene. The laboratory reported those compounds as tentatively identified compounds and assigned a 'T' flag to them in the database. All results for these compounds were nondetect. The 'T' qualifier was removed and the nondetect results for 1,2,3,4-tetramethylbenzene and 1,2,3,5-tetramethylbenzene in sample GPEC-IA 306 were qualified as estimated (UJ) due to lack of LCS recovery information.

Although recoveries and results for indane, indene, and thiophene were not found on the LCS reporting forms, a review of the raw data showed that they were present in the LCS sample at the level of all other compounds. The validator calculated the LCS recoveries for indane, indene, and thiophene and all were found to be within the control limits of 70-130 percent.

Laboratory Duplicate Results

A laboratory duplicate analysis was not associated with this sample set. Validation action was not taken on this basis.

Field Duplicate Results

Samples were GPEC-IA306 and GPEC-XX 020421 (not part of this validation subset) were submitted as the field duplicate pair with this sample set. The following table summarizes the RPDs of the detected analytes in the field duplicate pair, which were within the acceptance criteria with the exception of chloromethane and dichlorodifluoromethane. The positive results for chloromethane and dichlorodifluoromethane in sample GPEC-IA 306 were qualified as estimated (J). The direction of the bias cannot be determined from this nonconformance. It should be noted that the reporting limit for sample GPEC-IA 306, which was analyzed undiluted, was used to evaluate the pair as the field duplicate sample was analyzed at a 16.7-fold dilution only.

Analyte	GPEC-IA306 (ug/m3)	GPEC-XX 020421 (ug/m3)	RPD (%)
1,1,2-Trichloro-1,2,2-trifluoroethane	0.55 J	10 U	NC, Within 2xRL
1,2,4-Trimethylbenzene	0.23 J	6.6 U	NC, Within 2xRL
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.096 J	9.3 U	NC, Within 2xRL
1,2-Dichloroethane	0.089 J	5.4 U	NC, Within 2xRL
2,2,4-Trimethylpentane	0.28 J	16 U	NC, Within 2xRL
2-Butanone (MEK)	2.3	16 U	NC, Within 2xRL
2-Hexanone	0.12 J	14 U	NC, Within 2xRL
4-Ethyltoluene	0.12 J	13 U	NC, Within 2xRL
4-Methyl-2-pentanone (MIBK)	0.24 J	14 U	NC, Within 2xRL
Acetone	35	40 J	13.3
Benzene	0.68	0.87 J	24.5
Butane	15	16	6.5
Carbon disulfide	0.15 J	10 U	NC, Within 2xRL
Carbon tetrachloride	0.49	3.4 U	NC, Within 2xRL
Chlorobenzene	0.031 J	6.1 U	NC, Within 2xRL
Chloroform	0.11 J	6.5 U	NC, Within 2xRL
Chloromethane	1.3	2.5 J	**63.2,Not within 2xRL**
Cyclohexane	0.25 J	11 U	NC, Within 2xRL
Decane	0.52 J	39 U	NC, Within 2xRL
Dichlorodifluoromethane	1.4	2.4 J	**52.6, Not within 2xRL**
Ethanol	1400	1600	13.3
Ethylbenzene	0.36	5.8 U	NC, Within 2xRL
Heptane	0.96	14 U	NC, Within 2xRL
Hexane	0.66 J	12 U	NC, Within 2xRL
Isopropyl alcohol	41	32	24.7

Analyte	GPEC-IA306 (ug/m3)	GPEC-XX 020421 (ug/m3)	RPD (%)
Methylene chloride	13	23 U	NC, Within 2xRL
m/p-Xylene	1.4	5.8 U	NC, Within 2xRL
Nonane	0.29 J	17 U	NC, Within 2xRL
Octane	0.18 J	12 U	NC, Within 2xRL
o-Xylene	0.44	5.8 U	NC, Within 2xRL
Pentane	0.92 J	20 U	NC, Within 2xRL
tert-Butyl alcohol	0.35 J	16 U	NC, Within 2xRL
Tetrachloroethene	0.92	0.95 J	3.2
Toluene	4.9	7.5 U	NC, Within 2xRL
Trichloroethene	1.5	1.6 J	6.5
Trichlorofluoromethane	1.3	1.2 J	8.0
NC – Not calculable Criteria: When both results are ≥5x the RL, RPDs must be <30%. When results are < 5x the RL, professional judgment was used to qualify results in which the absolute difference between the original and field duplicate was >2xRL			

Quantitation Limits

Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL). These results were qualified as estimated (J) by the laboratory.

The following table lists the sample analysis dilutions performed.

Sample	VOC Analysis Reported
GPEC-SV306	A 25-fold (20 ml instead of 500 ml) analysis was performed to bring the results for ethanol and isopropyl alcohol within the calibration range. All other results were reported from the undiluted analysis.
GPEC-IA-306	A 12.5-fold (40 ml instead of 500 ml) analysis was performed to bring the result for ethanol within the calibration range. All other results were reported from the undiluted analysis.
GPEC-IA 327	A 20-fold (25 ml instead of 500 ml) analysis was performed to bring the results for ethanol and isopropyl alcohol within the calibration range. All other results were reported from the undiluted analysis.
GPEC-XX 020421	A 16.7-fold (30 ml instead of 500 ml) analysis was performed for this sample. Reporting limits were elevated in this sample.

Sample Quantitation and Compound Identification

Calculations were spot-checked; no discrepancies were noted.

The laboratory noted that due to an interfering non-target compound, there was a significant contribution from other ions to the quantitation of acetone in sample GPEC-IA 306. The positive result for acetone in sample GPEC-IA 306 was qualified as estimated (J) and may be biased high.

DATA VALIDATION QUALIFIERS

U - The analyte was analyzed for, but due to blank contamination was flagged as nondetect (U). The result is usable as a nondetect.

J - Data are flagged (J) when a QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. However, only one flag (J) is applied to a sample result, even though several associated QC analyses may fail. The 'J' data may be biased high or low or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. Data are flagged (UJ) when a QC analysis fails outside the primary acceptance limits. The qualified "UJ" data are not excluded from further review or consideration. However, only one flag is applied to a sample result, even though several associated QC analyses may fail. The 'UJ' data may be biased low.

JN - The analysis indicates the presence of a compound that has been "tentatively identified" (N) and the associated numerical value represents its approximate (J) concentration.

R - Data rejected (R) on the basis of an unacceptable QC analysis should be excluded from further review or consideration. Data are rejected when associated QC analysis results exceed the expanded control limits of the QC criteria. The rejected data are known to contain significant errors based on documented information. The data user must not use the rejected data to make environmental decisions. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2

BUILDING INVENTORY FORM							
Location:	Facilities Bldg.			Field Instrument: MiniRAE 3000			
Date:	2/4/2021			Staff: George Holmes & Craig Hayes			
Location: Greenpoint Site	Product Description	Qty.	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y/N
Faciltiies Bldg 1st Floor	Skil® Super-Duty Worm Drive Saw and Belt Sander Lubricant	1	8 oz	U	NL	0.0	Y
	Momaral™ Cleaner	5	NL	UO	NL	0.0	Y
	Zyme-Attack™ Ready-to-Use Cleaner	14	NL	UO	NL	0.0	Y
	Homax Orange Peel Quick Dry Spray Texture	4	10 oz	UO	xylene, acetone, naphtha, light petroleum, ethylene-vinyl acetate copolymer, titanium dioxide, aluminum calcium silicate, clay, propane-isobutane	0.0	Y
	Lubest Multi-Purpose Non-Melt Spray Grease Lubricant	7	12 oz	UO	heavy naphthenic petroleum distillate, tetrachloroethylene, organophilic clay	0.0	Y
	Klean-Strip Ordorless Mineral Spirits	1	1 qt	U	NL	0.0	Y
	LubeMaster™ Accel Plus Polysiloxane Release Agent	5	16 oz	U	contains 1,1-dichloro-1-fluoroethane	0.0	Y
	Courtaulds Aerospace PCR Primer #420 Marine	1	3.1 qt	U	NL	0.0	Y
	Thyme Bomb Crawling Insect Cleaner	1	NL	UO	thyme oil, wintergreen oil, soya lecithin, isopropyl myristate, polyglyceryl oleate, water, xanthan gum, 2-propanol, protassim sorbate	0.0	Y
	Momas Tack-N-Hold™ Adhesive Spray	1	12 oz	UO	NL	0.0	Y
	Certified® Cond-X™	3	14 oz	UO	contains methylene chloride, propane	0.0	Y
	Ramsey Border Patrol™ Gelled Baseboard Stripper	1	23 oz	UO	contains 2-aminoethanol, 2-butoxyethanol	0.0	Y
	Momar A.S.A.P.™ Universal Safety Solvent	24	18 oz	UO	contains tricholorethylene	0.0	Y
	LPS® Premium Lubricat Spray	1	11 oz	UO	distillates (petroleum) hydrotreated light, distillates (petroleum) hydrotreated middle, calcium sulfonate, sorbitan trioleate	0.0	Y
	Permatex® Industrial Gasket Remover	1	18 oz	U	NL	0.0	Y
	Lubest Nutcracker Plus™ High Performance Penetrating Lubricant	29	15 oz	UO	NL	8.4	Y
	Breakfree® Industrial PCL	2	12 oz	U	contains petroleum distillates	0.0	Y
	Black Jack Rust-Converting Primer & Protective Coating	1	NL	UO	NL	0.0	Y
	Roberts® Vinyl Composition Tile Adhesive	1	1 G	U	NL	0.0	Y
	Zep Alcohol Gel Instant Hand Sanitizer	1	16.9 oz	U	deionized water, carbomer, diisopropanolamine, octyl methoxy cinnamate, fragrance	0.0	Y
	Permethrin Premium Insect Repellant	1	6 oz	U	(3-phenoxyphenyl) methyl (+/-) cis/trans 3-(2,2-dichloroethenyl) 2,2-dimethylcyclopropane-carboxylate Cis?trans Ratio: min. 35% (+/-) cis and max. 65% (+/-) trans, inert ingredients	0.0	Y
	Tide® Simply Clean & Fresh™ Laundry Detergent	1	10 oz	U	NL	0.0	Y
	Garon Plug Quick Dry Cement	2	1 G	UO	NL	0.0	Y
	Nu-Calgen Evap Foam No Rinse	2	18 oz	UO	water, diethylene glycol monoethyl ether, tetrasodium salt of edta, liquefied petroleum gas	0.0	Y
	DAP Weldwood Contact Cement	1	1 G	UO	NL	0.0	Y
	Zep Hand Lotion	1	17 oz	U	water, stearic acid, propylene glycol, soybean oil, glycol stearate, triethanolamine, glycerin, cetyl alcohol, fragrance, isopropyl myristate, methyl paraben, aloe vera	3.4	Y
	Off! Deep Woods	1	6 oz	U	deet, other ingredients	2.2	Y
	Scrubs In-A-Bucket® Hand Cleaner Towels	72 towels	NR	U	water, C12-15 pareth-7, C13-14 isoparaffin, fragrance, dimethyl glutarate, dimethyl adipate, proplene glycol, glycerine, isopropyl myristate, tocopheryl acetate, aloe barbadensis leaf juice (aloe vera), dioctyl sodium sulfosuccinate, phenoxyethanol, neopentyl glycol, iodopropynyl butylcarbamate	0.0	Y
	Bausch & Lamb Sight Savers	100 wipes	NR	U/UO	isopropyl alcohol	0.9	Y
	Swan Isopropyl Alcohol	2	16 oz	U	isopropyl alcohol	1.0	Y
	Zep Cherry Bomb	1	1 G	U	water, synthetic parafins, tallow fatty acid	0.0	Y
	Zynolite Glass Frosting	1	11 oz	U	acrylic resins, calcium silicates, aromatic hydrocarbons, halogenated hydrocarbons	0.0	Y
	Charge Condensate Drain Cleaner	4	16 oz	U	methyl 9-decenoate, 1,8 p-menthaoliene, propane/n-butane, nonionic surfactant, carbon dioxide	0.0	Y
	Certified De-Mark	2	13 oz	U	xylene	0.0	Y
	Red Lion Pro-Coat Industrial Enamel Paint	1	16 oz	U	acetone, propane, n-butane, barium sulfate, glycol ether, methyl isobutyl ketone, titanium dioxide, methyl propyl ketone, isobutyl acetate, xylene, pm acetate, soya alkyd resin	0.0	Y
	Krylon Spray Paint	2	12 oz	U	NL	0.0	Y
	3M General Purpose Adhesive Cleaner	1	1 qt	U	xylene, nonane, alli isomers, octanes, ethylbenzene, toluene, benzene	0.0	Y
	Duo Fill 400	2	14 oz	U	NL	0.0	Y
	Sprayon Blast'Em Wasp and Hornet Killer	3	12 oz	UO	NL	0.0	Y
	SMB Charcoal Lighter Fluid	1	32 oz	U	petroleum distillates	0.0	Y
	Mobil Vacuum Pump Oil	5	1 qt	UO	NL	0.0	Y

BUILDING INVENTORY FORM							
Location:	Facilities Bldg.			Field Instrument: MiniRAE 3000			
Date:	2/4/2021			Staff: George Holmes & Craig Hayes			
Location: Greenpoint Site	Product Description	Qty.	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y/N
Facilities Bldg 1st Floor	Pyroil Starting Fluid	4	11 oz	UO	solvent naphtha, light aliphatic, ethyl ether, n-heptane, carbon dioxide, chloride, hydrotreatred light naphthenic, toluene, benzene	0.0	Y
	Zep Alcohol Sanitizer Spray	24	33.8 oz	U/UO	deionized water, glycerine	2.8	Y
	Rust-Oleum Gloss Protective Enamel	2	12 oz	U	NL	3.8	Y
	Virginia Vacuum Pump Oil	1	1 qt	UO	contains refined heavy paraffinic petroleum oil	0.0	Y
	National 22	1	30 lb	U	chlorodifi uoromethane	0.0	Y
	R22 (no label, handwritten on cylinder)	1	28 lb	U	NL	0.0	Y
	Acetylene, Dissolved	1	1 cylinder	U	NL	0.0	Y
	R-12	2	30 lb	U	dichlorodifluoromethane	0.0	Y
	R-134A	1	30 lb	U	CH_2FCF_3 1,1,1,2-tetrafluoroethane	0.0	Y
	R-402B (no label, handwritten on cylinder)	1	1 cylinder	U	NL	0.0	Y
	National Refrigerant Inc Refrigerant 502	NR	30 lb	UO	chlorodifluoromethane and chloropentafluorethane mixture	0.0	Y
	SunX 30+ Sunscreen	1	4 oz	U	aloe vera gel, vitamin E, acrylates/C-10-30 alkyl acrylate crosspolmer, butyparaben, carbomer,catendula flower extract, chamomile recutifa extract, C12-15 alkyl benzoate, dimethicone, diimethyl capramide, ethylparaben, fragrance, glyceryl stearrate, isobutylparben, ,ethyparben, watercress extract, peg-10 stearate, propylparben, comfrey leaf extract tetrasodium EDTA, tocopherol, trcopheral acetate, trethanolaime, watei	0	Y
	Super Glass	1	19 oz	U	water 2-butoxethanol,ethyl alcohol, liquefied petroleum gas	0	Y
	Hand Sanitizer	19	8 oz	U/UO	alcohol, glycerin , hydrogen perate, purfied water	0	Y
	Hype Labs Hand Sanitizer Spray	26	8 oz	U/UO	ethyl alcohol	0	Y
	Saint Lawrence Spirits Liquid Hand Sanitizer	97	8 oz	UO	ethyl alcohol, hydrogen peroxide, glycerine, reverse osmosis water	0	Y
	USA Denatured Alcohol Solvent	1	32 oz	NR	NL	0	Y
	Accel Plus Polysiloxane Release Agent	4	16 oz	NR	1-dichloro, 1-flourethane	0	Y
	X-Treme Tack 5000 Webbing Spray Adhesive	3	10 oz	NR	acetane, heptane	0	Y
	Krylon Quick Mark	3	17 oz	NR	NL	3.8	Y
	Blister Heavy Duty Paint, Gasket & Decal Remover	2	19.5 oz	NR	NL	0	Y
	LPS White Lithiumn Grease w/PTFE	1	12 oz	NR	propane/isobutane blend, petroleum oil, 2-methylpentane, acetone, 2,3 dimethylbutane, 3-methylpentane, 2,2-dimethylbutane, n-hexone	0	Y
	MOLYKOTE Compound	1	5.3 oz	NR	dimethyl siloxane, trimethylsiloxy-terminated, silicon dioxide, silicone metalloid complex	0	Y
	Watch Dog Lift Away Graffiti Remover	1	12 oz	NR	benzyl alcohol, propylene carbonate, butane, dimethyl ether	0	Y
	Hercules Pro Dope Joint Compound	3	16 oz	NR	NL	0	Y
	Silaprene Industrial Adhesive	1	1 pt	NR	toluene, methyl ethyl, ketone	0	Y
	Minwax Finishing Wax	1	16 oz	NR	contains mineral spirits	0	Y
	Benjamin Moore Super Spec Acrylic Epoxy	1	25.6 oz	NR	contains glycol ethers, epoxy resin	0	Y
	Benjamin Moore Super Spec Acrylic Epoxy	1	1 gal	NR	contains glycol ethers, epoxy resin	0	N
	Giant Size Fast Spray Gloss Black Laquer	1	12 oz	NR	contains xylene, toluene	0	Y
	SSS Metal Cleaner & Polish	1	15 oz	NR	petroleum distillate, isobutane	0	Y
	Control TAC SPRAY Pressure Sensitive Adhesive	1	12 oz	NR	acetone, propane, dimethyl ether, 2-methylpentane, 3-methylpentane	0	Y
	Krylon Contractor Stripping Paint	1	15 oz	NR	contains aliphatic hydrocarbons, ketones, toulene, xlyene	0	Y
	Klean Strip Paint Thinner	1	1 gal	NR	100 % mineral spirits	0	Y
	Rust-Oleum Cleaning & Etching Solution	2	1 gal	NR	contains phosphoric acid	0	Y
	Soap Solution	1	1 pt	NR	NL	0	Y
	KANO Aerokroil	4	10 oz	NR	contains petroleum distillates	3.1	Y
	KANO KROIL	1	1 gal	NR	contains petroleum distillates	0	Y
	Hydraulic Pump Fluid	1	NL	NR	NL	0.2	Y
	Rust-Oleum Auto Sandable Primer	1	12 oz	NR	contains toluene, xylene	0	Y
	CRC Gasket Remover	1	12 oz	NR	label partially unreadable: contains acetone, n-methyl ?, ?, hydrocarben propellant	0	Y
	Pro Link Furniture Polish	1	19 oz	NR	NL contains lemon oil	0	Y
	Harvey's Purple Primer	1	32 oz	NR	contains tetrahydrofuran, methly ethyl ketont, cyclohexanone	0	Y
	Cryo Cracker	1	9 oz	NR	label partially unreadable: ?, polydimethylsiloxame, ?	0	Y
	3M Fire Block Foam	1	12 oz	NR	label partially unreadable due to packaging: poly?, dimethyl ether, polymeth?, ?phenylene isocyanate, isobutane, diphe: diisocyanate, propane	0	Y
	First Mate Ready to Use Surface Sanitizer	1	1 qt	NR		0	Y

BUILDING INVENTORY FORM							
Location:	Facilities Bldg.			Field Instrument: MiniRAE 3000			
Date:	2/4/2021			Staff: George Holmes & Craig Hayes			
Location: Greenpoint Site	Product Description	Qty.	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y/N
Facilities Bldg 1st Floor	Red Lion Pro Coat	1	15.25 oz	NR	acetone, xylene,propane, alkyd polymer, barium sulfate, talc, ethylbenene, iron oxide, mineral spirits	0	Y
	Sprayon Welding Supplies Cold Galvanizing Compound	11	14 oz	NR	NL	0	Y
	Rust-Oleum Never Wet	2 boxes 4 cans	NR	NR	NL	0	Y
	Certified Visi View Anti-Fog and Cleaning Compound	1	14 oz	NR	contains isopropyl alcohol	0	Y
	Electrical Grade Parts Cleaner	1	1 lb 3 oz	NR	contains tetrachloroethylene, carbon dioxide	0	Y
	Black Grill Paint	1	13 oz	NR	contains acetone, toluene, propane, n-butane	0	Y
	Claire Stainless Steel Maintenance	1	16 oz	NR	contains water, synthetic isoparaffinic ?, mineral spirits, white mineral oil, ? ?, polydimethysiloxane, ?	0	Y

BUILDING INVENTORY FORM			
Location:	Gate House	Field Instrument: MiniRAE 3000	
Date:	2/4/2021	Staff: George Holmes & Craig Hayes	

Location: Greenpoint Site	Product Description	Qty.	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo** Y/N
Gate House	Victoria Bay Glass Cleaner	1	1 qt	U	NL	0	Y
	Zep® Alcohol Sanitizer	2	33.8 oz	U	deionized water, glycerine, ethanol	0.2	Y
	Fire Extinguisher	1	NA	NA	NL	0	Y
	LOGIChem® Glass and Window Cleaner	1	16 oz	U	water, isopropyl alcohol, 2 butoxy ethanol	0.2	Y
	Hand Sanitizer	3	8 oz	U	alcohol (80%)	0	Y
	Hype Labs Hand Sanitizer Spray	1	8 oz	U	ethyl alcohol (70%)	0	Y
	Palmolive Antibacterial Dish Soap	1	10 oz	U	L (+)-Lactic Acid	0	Y
	LA's Totally Awesome Fabric Refresher	1	33 oz	U	NL	0.6	Y

* Conditon of the product container: Unopened (UO), Used (U), Deteriorated (D)

** Photographs of front and back of product container

NL=Not Listed

NR=Not Recorded

NA=Not Applicable

OSR – 3

FACILITIES BUILDING

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name George Holmes Date/Time Prepared 02/04/2021

Preparer's Affiliation GEI Consultants, Inc. Phone No. 631-760-9300

Purpose of Investigation SVI Sampling

1. OCCUPANT:

Interviewed: (Y) / N

Last Name: Seda First Name: Ralph
GPCC - facilities Dept
Address: 287 Maspeth Ave, Brooklyn, NY

County: Kings

Home Phone: _____ Office Phone: (718) 963-5550

Number of Occupants/persons at this location ~ 5 Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant X) Facilities Dept

Interviewed: (Y) / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
(Industrial)	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y / N If yes, how many? _____

Other characteristics:

Number of floors 2 Building age Built in 1972

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

No airflow noted between floors

Airflow near source

No airflow noted

Outdoor air infiltration

No air infiltration noted

Infiltration into air ducts

No air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	(concrete)	stone	brick (metal)
b. Basement type: NA	full	crawlspace	slab	other _____
c. Basement floor: NA	concrete	dirt	stone	other _____
d. Basement floor: NA	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	(sealed)	sealed with tile/paint	
f. Foundation walls:	(poured)	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with unknown	
h. The basement is: NA	wet	damp	dry	moldy
i. The basement is: NA	finished	unfinished	partially finished	
j. Sump present?	(Y) / N			
k. Water in sump?	(Y) / N / not applicable			

Basement/Lowest level depth below grade: (Ø) (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

Utilities - sewer line in closet, vault for water main in women's Bathroom. floor drain in Men's bathroom, 2 shower drains in locker room, 2 unknown pipes in men's bathroom/locker room, small cracks in floor in storage room

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	(Hot water baseboard)	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Natural Gas

Boiler/furnace located in: Basement Outdoors (Main Floor) Other _____

Air conditioning: Central Air (Window units) Open Windows None

- wall mounted mitsubishi electric unit

Are there air distribution ducts present? Y / (N)

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

7. OCCUPANCY

Is basement/lowest level occupied? (Full-time) Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	NA
1st Floor	Workshop, Bathroom/Locker room, Storage, Substation
2nd Floor	Officer, Break Room, Storage
3rd Floor	NA
4th Floor	NA

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify _____

d. Has the building ever had a fire? Y / (N) When? _____

e. Is a kerosene or unvented gas space heater present? Y / (N) Where? _____

f. Is there a workshop or hobby/craft area? (Y) N Where & Type? 1st Floor

g. Is there smoking in the building? Y / (N) How frequently? _____

h. Have cleaning products been used recently? (Y) N When & Type? Cleaned daily

i. Have cosmetic products been used recently? Y / (N) When & Type? _____

j. Has painting/staining been done in the last 6 months? Y (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y (N) Where & When? _____

l. Have air fresheners been used recently? Y (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? (Y) N If yes, where vented? outside

o. Is there a clothes dryer? (Y) N If yes, is it vented outside? (Y) / N

p. Has there been a pesticide application? Y (N) When & Type? _____

Are there odors in the building? Y (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? (Y) N
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? Paint, degreasers, cleaners, lubricants

If yes, are their clothes washed at work? (Y) N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly)
Yes, use dry-cleaning infrequently (monthly or less)
Yes, work at a dry-cleaning service

No
(Unknown)

Is there a radon mitigation system for the building/structure? Y (N) Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

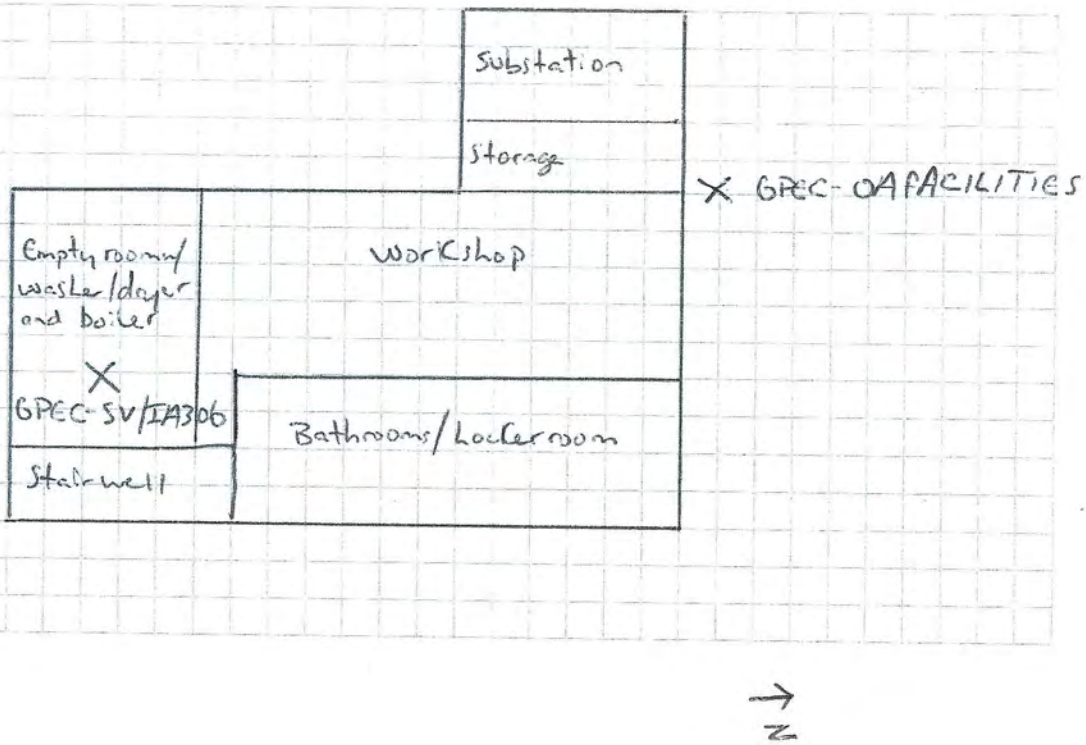
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

NA

First Floor:



12. OUTDOOR PLOT

Draw a sketch of the area surrounding the building being sampled. If applicable, provide information on spill locations, potential air contamination sources (industries, gas stations, repair shops, landfills, etc.), outdoor air sampling location(s) and PID meter readings.

Also indicate compass direction, wind direction and speed during sampling, the locations of the well and septic system, if applicable, and a qualifying statement to help locate the site on a topographic map.

SEE FIGURE

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used: _____

List specific products found in the residence that have the potential to affect indoor air quality.

Location	Product Description	Size (units)	Condition*	Chemical Ingredients	Field Instrument Reading (units)	Photo ** Y / N

SEE ATTACHED INVENTORY FORMS

* 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.

OSR – 3

GATE HOUSE

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name George Holmes Date/Time Prepared 02/01/2021

Preparer's Affiliation GEI Consultants, Inc. Phone No. 631-760-9300

Purpose of Investigation SVI Sampling

1. OCCUPANT:

Interviewed: (Y) / N

Last Name: Seda (GPEC - facilities Dept) First Name: Ralph

Address: 287 Maspeth Ave, Brooklyn, NY

County: Kings

Home Phone: _____ Office Phone: (718) 963-5550

Number of Occupants/persons at this location 1 Age of Occupants _____

2. OWNER OR LANDLORD: (Check if same as occupant X) facilities Dept

Interviewed: (Y) / N

Last Name: _____ First Name: _____

Address: _____

County: _____

Home Phone: _____ Office Phone: _____

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	Commercial/Multi-use
(Industrial)	Church	Other: _____

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	Other:_____

If multiple units, how many? _____

If the property is commercial, type?

Business Type(s) _____

Does it include residences (i.e., multi-use)? Y (N) If yes, how many? _____

Other characteristics:

Number of floors 1 Building age Built 1957 - Addition in 2003

Is the building insulated? (Y) / N How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow patterns and qualitatively describe:

Airflow between floors

Airflow near source

Small building - no airflow noted

Outdoor air infiltration

No air infiltration noted

Infiltration into air ducts

No air duct

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	wood frame	concrete	stone	(brick) (metal)
b. Basement type: NA	full	crawlspace	slab	other _____
c. Basement floor: NA	concrete	dirt	stone	other _____
d. Basement floor: NA	uncovered	covered	covered with _____	
e. Concrete floor:	unsealed	(sealed)	sealed with tile	
f. Foundation walls:	(poured)	block	stone	other _____
g. Foundation walls:	unsealed	sealed	sealed with unknown	
h. The basement is: NA	wet	damp	dry	moldy
i. The basement is: NA	finished	unfinished	partially finished	
j. Sump present?	Y / (N)			
k. Water in sump?	Y / N / (not applicable)			

Basement/Lowest level depth below grade: Ø (feet)

Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains)

cracks/utility penetrations

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

Hot air circulation	Heat pump	Hot water baseboard	
(Space Heaters)	Stream radiation	Radiant floor	
Electric baseboard	Wood stove	Outdoor wood boiler	Other _____

The primary type of fuel used is:

Natural Gas	Fuel Oil	Kerosene
(Electric)	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: _____

Boiler/furnace located in: Basement Outdoors Main Floor Other_____

Air conditioning: Central Air (Window units) Open Windows None

Are there air distribution ducts present? Y (N)

Describe the supply and cold air return ductwork, and its condition where visible, including whether there is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram.

7. OCCUPANCY

Is basement/lowest level occupied? (Full-time) Occasionally Seldom Almost Never

Level	**General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**
Basement	NA
1st Floor	Office/Security booth
2nd Floor	NA
3rd Floor	NA
4th Floor	NA

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage (e.g., lawnmower, atv, car) Y / N / (NA) Please specify_____

d. Has the building ever had a fire? Y (N) When?_____

e. Is a kerosene or unvented gas space heater present? Y (N) Where?_____

f. Is there a workshop or hobby/craft area? Y (N) Where & Type?_____

g. Is there smoking in the building? Y (N) How frequently?_____

h. Have cleaning products been used recently? (Y) N When & Type? Cleaned daily

i. Have cosmetic products been used recently? Y (N) When & Type?_____

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When? _____

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When? _____

l. Have air fresheners been used recently? Y / (N) When & Type? _____

m. Is there a kitchen exhaust fan? Y / (N) If yes, where vented? _____

n. Is there a bathroom exhaust fan? Y / (N) If yes, where vented? _____

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type? _____

Are there odors in the building? Y / (N)
If yes, please describe: _____

Do any of the building occupants use solvents at work? Y / (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist

If yes, what types of solvents are used? _____

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) (Unknown)
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y (N) Date of Installation: _____
Is the system active or passive? Active/Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other: _____

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other: _____

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended: _____

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

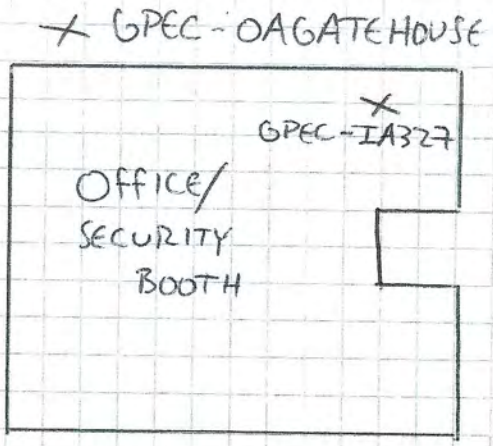
11. FLOOR PLANS

Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

NA

First Floor:



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