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ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

September 4, 2020

Payson Long
New York State Department of Environmental Conservation
Division of Environmental Remediations
625 Broadway, 12th floor
Albany, NY 12233

RE: National Heatset Printers, 1 Adams Blvd., East Farmingdale, NY; NYSDEC Site No. 152140 – Quarterly O&M Report

Dear Mr. Long:

This document represents the quarterly operation & maintenance (O&M) summary for the soil vapor extraction (SVE) system and onsite and offsite density driven convection (DDC) systems at the above referenced site. The report summarizes the maintenance and monitoring activities conducted in June through August 2020. O&M activities, which include monthly site visits and quarterly groundwater sampling, are conducted under New York State Department of Environmental Conservation (NYSDEC) callout no. 137902, dated February 12, 2002. A site location map is provided as Figure 1.

This report documents O&M activities conducted June through August 2020. During this reporting period, site visits were conducted on the following dates:

Date	System(s)	Purpose
6/1/20 through 6/3/20	n/a	Quarterly groundwater sampling.
6/4/20	SVE, DDC#3	Monthly O&M and quarterly system air sample collection.
6/8/20	DDC#1	Continued troubleshooting. Pulled PLC unit for manufacturer evaluation & repair.
6/30/20	DDC#1	Reinstall repaired PLC unit.
7/9/20	SVE, DDC#1, DDC#3	Monthly O&M at SVE system and DDC#3. Continued troubleshooting at DDC#1.
8/3/20	SVE, DDC#1, DDC#3	Monthly O&M at SVE system and DDC#3. Continued troubleshooting at DDC#1.
8/12/20	DDC#1	Continued troubleshooting.

1.0 Systems O&M

1.1 SVE System

The SVE system was operational throughout the reporting period. Total system runtime for the reporting period is estimated at 100%.

1.1.1 SVE System Monitoring

Monthly O&M activities include the collection of operating data such as system vacuum/pressures and air flow rates. During the routine site visits, mechanical components are checked and serviced accordingly. Concentrations of volatile organic compounds (VOCs) in the system's airstream are monitored at key locations using a photo-ionization detector (PID). Prior to use, the PID is calibrated using a 100 ppm isobutylene standard and ambient air.

During the reporting period, EAR was able to access the 1 Adams Building on July 9 in order to monitor total VOCs and vacuum at the vapor monitoring points. Several monitoring points could not be located as they appeared to be beneath materials and/or equipment.

SVE system operating parameters are summarized in Table 1.

1.1.2 SVE System Air Sampling

Quarterly SVE system air samples were collected on June 4, 2020. EAR collected the samples from the system influent (SVEINF) and effluent (SVEEFF) using Summa canisters equipped with regulators calibrated by the laboratory to collect the samples over a 4-hour period.

A total of two samples were submitted to a NYSDEC standby contracted laboratory (Test America, Inc.) for analysis of volatile organic compounds (VOC's) via EPA Method TO-15.

All samples were submitted for standard 10-day turn around with Category A deliverables requested.

Analytical results are summarized in Table 2.

1.2 DDC System #1 (onsite)

DDC System #1 was not operational during the reporting period.

EAR has conducted troubleshooting activities at this system on several dates as indicated in the above table. Troubleshooting activities have including PLC assessment & repairs by the PLC manufacturer (EOS Research).

With combined EAR and EOS Research troubleshooting efforts, communication issues with the PLC unit have been resolved, false alarms identified, and cleared. However, a wiring issue appears to remain between VFD/VFD relay and PLC unit. This is currently being investigated.

1.3 DDC System #2 (onsite)

DDC System #2 was not operational during the reporting period.

EAR evaluated the system on 3/13/20. At that time, the system could be operated and blower operation appeared normal. EAR recommends restarting this system, perhaps for a trial period with weekly drive-by site visits to check system operation.

1.4 DDC System #3 (offsite)

The offsite DDC system was operational throughout the reporting period. On July 9th, EAR found the system off upon arrival to the site as the drive belts had broken at the operating blower (B-501). EAR rotated blower operation (to B-502) and restarted the system. The system was operating upon departure from the site. Replacement drive belts are currently on order.

On August 3rd, EAR again found the system off upon arrival to the site. No alarms were indicated and the system was able to be restarted without issue. System was operating upon depart from the site.

Total system runtime for the reporting period is estimated at 75%.

1.4.1 DDC System #3 Monitoring

Monthly O&M activities include the collection of operating data such as system vacuum/pressures and air flow rates. During the routine site visits, mechanical components are checked and serviced accordingly. Concentrations of volatile organic compounds (VOCs) in the system's airstream are monitored at key locations using a photo-ionization detector (PID). Prior to use, the PID is calibrated using a 100 ppm isobutylene standard and ambient air.

DDC System #3 operating parameters are summarized in Table 3.

1.4.2 DDC System #3 Air Sampling

Quarterly DDC system #3 air samples were collected on June 4, 2020. EAR collected the samples from the system influent (OFFSITE-DDC-INF), mid carbon treatment (OFFSITE-DDC-Mid1, OFFSITE-DDC-Mid2), and effluent (OFFSITE-DDC-EFF) using Summa canisters equipped with regulators calibrated by the laboratory to collect the samples over a 4 hour period.

A total of four samples were submitted to a NYSDEC standby contracted laboratory (Test America, Inc.) for analysis of volatile organic compounds (VOC's) via EPA Method TO-15.

All samples were submitted for standard 10-day turn around with Category A deliverables requested.

Analytical results are summarized in Table 4.

2.0 Groundwater Monitoring

On June 1-3, 2020, EAR collected groundwater samples from 33 monitoring wells. Samples were not collected at MW-1D (onsite) and MW-1S (onsite) as these locations were inaccessible and/or could not be located.

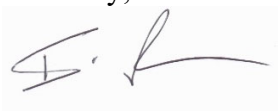
Groundwater samples were collected following low-flow purging procedures using peristaltic pumps and dedicated HDPE tubing. Groundwater samples were placed into the appropriate sample containers provided by the laboratory and immediately placed in a cooler with ice to maintain a temperature of 4 degrees Celsius. A total of 37 water samples (including 2 blind duplicates and 2 trip blanks) were submitted to a NYSDEC standby contracted laboratory (Test America, Inc.) for analysis of volatile organic compounds (VOC's) via EPA Method 8260.

All samples were submitted for standard 10-day turn around with Category A deliverables requested.

Analytical results are summarized in Table 5 and posted to site maps for select parameters in Figures 2-3. Quality assurance/quality control (QA/QC) sample results are provided in Table 6. Depth to water values are summarized in Table 7. Water quality parameters at the time of sample collection are provided in Table 8. Analytical reports are included as Appendix A.

Should you have any questions regarding the activities detailed in this report, please feel free to contact me at 631.241.8741 or via email at IHofmann@enviro-asmnt.com.

Sincerely,



Ian Hofmann
Project Manager

Cc:
J. Lawrence (EAR)

TABLES

Table 1: SVE System Monitoring Log
Table 2: SVE System Air Sampling Analytical Results
Table 3: DDC System #3 Monitoring Log
Table 4: DDC System #3 Air Sampling Analytical Results
Table 5: Groundwater Sampling Analytical Results (EPA 8260C)
Table 6: Groundwater Sampling Analytical Results (QAQC Summary)
Table 7: Groundwater Sampling (Depth-To-Water)
Table 8: Groundwater Sampling Analytical Results (EAR Field Screening)

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SVE System Data Log

Date		3/24/2020	4/14/2020	5/7/2020	6/4/2020	7/9/2020	8/3/2020
Technician		JB	JB	JB, MF	JB, MF	JB, PL	MF, PL
Onsite SVE System							
System Status on Arrival		On	On	On	On	On	On
System Status on Departure		On	On	On	On	On	On
Run Timer Reading		45453.10	45954.60	46016.36	46687.59	47529.34	48128.62
Run Time Reading Date/Time		3/24/20 11:15	4/14/20 9:56	5/7/20 8:08	6/4/20 7:27	7/9/20 9:12	8/3/20 9:00
Hours Since Last Hr Meter Reading		-	502.68	550.20	671.32	841.75	599.80
Hour Meter Difference (hrs)		-	501.50	61.76	671.23	841.75	599.28
Electric Meter Reading		-	-	-	-	-	-
Extraction Well F Gate Valve (% open)		-	-	-	-	-	-
Dilution Valve (% open)		-	-	-	-	-	-
Blower Inlet Air Flow (CFM)		-	-	-	-	-	165
Blower Inlet Vacuum ("H2O)		-80.0	-75.0	-74.0	-74.0	-72.0	-
Blower Inlet PID Reading (ppb)		1.0 ppm	0.3 ppm	736.0	0.0 ppm	2.1 ppm	0.0 ppm
Blower Inlet Temp (°F)		-	60.0	53.0	89.0	78.0	66.0
Blower Outlet Airflow (CFM)		50.0	301.0	155.0	189.0	154.0	174.0
Blower Outlet Pressure ("H2O)		14.0	14.0	15.3	15.0	16.0	5.8
Blower Outlet PID Reading (ppb)		0.9 ppm	0.3 ppm	1341.0	0.0 ppm	2.0 ppm	0.0 ppm
Blower Outlet Temp (°F)		160.0	162.0	160.0	170.0	180.0	170.0
SVE Effluent Airflow (CFM)		77	343	188	200	176	172
SVE Effluent Pressure ("H2O)		12.0	1.8	2.1	2.5	3.0	2.7
SVE Effluent PID Reading (ppb)		0.0 ppm	0.0 ppm	8	0.0 ppm	0.0 ppm	0.0 ppm
SVE Effluent Temp (°F)		116	110	62	108	95	119
Pre-Carbon (ppb)		0.9 ppm	0.3 ppm	1341	0.0 ppm	2.1 ppm	0.0 ppm
Mid-Carbon (ppb)		0.3 ppm	0.0 ppm	67	0.0 ppm	0.1 ppm	0.0 ppm
Effluent (ppb)		0.0 ppm	0.0 ppm	8	0.0 ppm	0.0 ppm	0.0 ppm
Gallons drained from KO Tank		0.0	200	0	0	0	0
VMP Vacuum Monitoring ("H20)							
	MW-G	-	-	-	-	-	-
	MW-E	-	-	-	-	-	-
	VP-1	-	-	-	-	-0.1	-
	VP-2	-	-	-	-	-	-
	VP-3	-	-	-	-	-0.3	-
	VP-3 (former)	-	-	-	-	-	-
	VP-7	-	-	-	-	-	-
	VP-8	-	-	-	-	-0.4	-
	VP-9	-	-	-	-	-	-
	VP-10	-	-	-	-	-0.1	-
	VP-11	-	-	-	-	-	-
	VP-12	-	-	-	-	-0.6	-
	VP-13	-	-	-	-	-	-
	VP-14	-	-	-	-	-	-
	VP-15	-	-	-	-	-	-
	VP-16	-	-	-	-	-	-
	VP-17	-	-	-	-	-0.1	-
	VP-18	-	-	-	-	-0.6	-
	VP-19	-	-	-	-	-	-
	VP-20	-	-	-	-	-	-
VMP VOC Monitoring (ppb)							
	MW-G	-	-	-	-	-	-
	MW-E	-	-	-	-	-	-
	VP-1	-	-	-	-	0.0	-
	VP-2	-	-	-	-	-	-
	VP-3	-	-	-	-	0.0	-
	VP-3 (former)	-	-	-	-	-	-
	VP-7	-	-	-	-	-	-
	VP-8	-	-	-	-	0.0	-
	VP-9	-	-	-	-	-	-
	VP-10	-	-	-	-	0.1 ppm	-
	VP-11	-	-	-	-	-	-
	VP-12	-	-	-	-	3.7 ppm	-
	VP-13	-	-	-	-	-	-
	VP-14	-	-	-	-	-	-
	VP-15	-	-	-	-	-	-
	VP-16	-	-	-	-	-	-
	VP-17	-	-	-	-	3.1 ppm	-
	VP-18	-	-	-	-	0.5 ppm	-
	VP-19	-	-	-	-	-	-
	VP-20	-	-	-	-	-	-

Notes:

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Spill # 152140

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SVE System Air Analytical Results (ug/m3)
TestAmerica, Inc.
Methods: TO15

Location	SVE Influent	SVE Effluent
Date Collected	6/4/2020	6/4/2020
Time Collected	11:38 AM	11:44 AM
1,1 Dichloroethane	<3.20	<2.20
1,1 Dichloroethene	<1.60	<1.10
1,1,1 Trichloroethane	<4.40	<2.90
1,1,2 Trichloroethane	<4.40	<2.90
1,1,2,2 Tetrachloroethane	<5.50	<3.70
1,2 Dibromoethane	<6.10	<4.10
1,2 Dichlorobenzene	<4.80	<3.20
1,2 Dichloroethane	<3.20	<2.20
1,2 Dichloropropane	<3.70	<2.50
1,2,4 Trichlorobenzene	<5.90	<4
1,2,4 Trimethylbenzene	**42**	**39**
1,3 Butadiene	<3.50	<2.40
1,3 Dichlorobenzene	<4.80	<3.20
1,3,5 Trimethylbenzene	**15**	**14**
1,4 Dichlorobenzene	<4.80	<3.20
1,4-Dioxane	<7.20	<4.80
2,2,4-Trimethylpentane	**49**	**43**
2-Hexanone	<8.20	<5.50
3-Chloropropene	<2.50	<1.70
4-Ethyltoluene	**13**	**10**
4-Methyl-2-Pentanone	<8.20	<5.50
Acetone	**110**	**120**
Benzene	**12**	**9.2**
Benzyl Chloride	<8.30	<5.50
Bromodichloromethane	<5.40	<3.60
Bromoform	<8.30	<5.50
Bromomethane	<3.10	<2.10
c 1,3 Dichloropropene	<3.60	<2.40
Carbon Disulfide	<6.20	**24**
Carbon Tetrachloride	<2	<1.30
Chlorobenzene	<3.70	<2.50
Chloroethane	<2.10	<1.40

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SVE System Air Analytical Results (ug/m3)
TestAmerica, Inc.
Methods: TO15

Location	SVE Influent	SVE Effluent
Date Collected	6/4/2020	6/4/2020
Time Collected	11:38 AM	11:44 AM
Chloroform	<3.90	<2.60
Chloromethane	<4.10	<2.80
cis-1,2-Dichloroethene	**14**	**18**
Cyclohexane	**17**	**14**
Dibromochloromethane	<6.80	<4.60
Dichlorodifluoromethane	<4	<2.70
Ethanol	**400**	**380**
Ethylbenzene	**27**	**25**
Freon 113	<6.10	<4.10
Freon 114	<5.60	<3.70
Heptane	**30**	**22**
Hexachlorobutadiene	<8.50	<5.70
Hexane	**35**	**31**
Isopropyl Alcohol	**1,300**	**2,400**
Isopropylbenzene	<7.90	<5.30
m + p Xylene	**91**	**82**
Methyl Ethyl Ketone	**29**	**29**
Methylene Chloride	<14	<9.30
n Propylbenzene	**8.2**	**7.2**
o-Xylene	**36**	**33**
Styrene	<3.40	<2.30
t 1,3 Dichloropropene	<3.60	<2.40
t butylmethylether	<5.80	<3.90
Tetrachloroethene	<5.40	<3.60
Tetrahydrofuran	**17**	**17**
Toluene	**120**	**94**
Total BTEX	**286**	**243**
trans-1,2-Dichloroethene	<3.20	<2.10
Trichloroethylene	**6.2**	<1.30
Trichlorofluoromethane	<4.50	<3
Vinyl Chloride	<1	<0.69

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Offsite DDC System Data Log

Date		3/24/2020	4/14/2020	5/7/2020	6/4/2020	7/9/2020	8/3/2020
Technician		JB	JB, MF	JB, MF	JB, MF	JB, PL	MF, PL
Offsite DDC System							
System Status on Arrival		On	On	On	On	On	Off
System Status on Departure		On	On	On	On	On	On
Hours							
	B-501	31511.8	31511.8	31512.1	32182.1	33023.5	33023.6
	TP-211	4.2	4.2	4.2	4.2	4.2	4.2
	B-502	27280.5	27784.6	28335.1	28335.1	28335.1	28598.0
	TP-212	41.4	41.4	41.4	41.4	41.4	41.4
	B-503	0.0	0.0	0.0	0.0	0.0	0.0
	TP-213	0.0	0.0	0.0	0.0	0.0	0.0
	Date/Time	3/24/20 12:07	4/14/20 12:14	5/7/20 11:20	6/4/20 9:27	7/9/20 10:54	8/3/20 10:30
	Hours Since Last Reading	-	504.12	551.10	670.12	841.45	599.60
	Active Blower Hr Meter Difference	-	504.10	550.50	670.00	841.40	262.90
Vacuum ("H20) / Pressure (psi)							
	VI-501	-	-	-52.0	-52.0	-	-
	VI-501A	-	-	-56.0	-56.0	-	-
	VI-502	-	-24	-	-	-52.0	-22.5
	VI-502A	-60.0	-60	-	-	-60.0	-60.0
	Chiller Pump Press.	-	-	-	-	-	-
	Chiller Freon High Press.	-	-	-	-	-	-
	Chiller Freon Low Press.	-	-	-	-	-	-
	DDC-05 (4" injection)		6.0	6.0	6.0	6.0	5.5
	DDC-10 (4" injection)		6.0	6.0	5.0	5.0	4.5
	DDC-09 (4" injection)		6.0	6.0	6.0	6.0	5.5
	DDC-08 (4" injection)		6.5	5.5	5.0	6.0	4.0
	DDC-07 (4" injection)		6.0	6.0	6.0	6.0	5.0
	DDC-06 (4" injection)		6.0	6.0	5.0	6.0	4.5
Air Flow (CFM)							
	DDC-05 (6" extraction)		87.0	80.0	64.0	38.0	61.0
	DDC-10 (6" extraction)		76.0	-	70.0	50.0	97.0
	DDC-09 (6" extraction)		96.0	-	88.0	66.0	83.0
	DDC-08 (6" extraction)		106.0	-	55.0	59.0	77.0
	DDC-07 (6" extraction)		80.0	-	90.0	70.0	88.0
	DDC-06 (6" extraction)		75.0	-	80.0	68.0	80.0
Temperature (°F)							
	TI-501	-	-	60.0	90.0	-	-
	TI-502	58.0	65.0	-	-	84.0	85.0
	Chiller Set Temp	-	-	-	-	-	-
	Chiller Actual Temp	-	-	-	-	-	-
	DDC-05 (4" injection)		100.0	62.0	112.0	100.0	106.0
	DDC-10 (4" injection)		100.0	61.0	110.0	100.0	106.0
	DDC-09 (4" injection)		100.0	62.0	110.0	98.0	118.0
	DDC-08 (4" injection)		100.0	60.0	110.0	102.0	125.0
	DDC-07 (4" injection)		100.0	62.0	111.0	98.0	122.0
	DDC-06 (4" injection)		100.0	62.0	112.0	100.0	120.0
	DDC-05 (6" extraction)		68.0	70.0	88.0	84.0	86.0
	DDC-10 (6" extraction)		70.0	72.0	90.0	82.0	84.0
	DDC-09 (6" extraction)		70.0	70.0	87.0	85.0	84.0
	DDC-08 (6" extraction)		70.0	71.0	86.0	84.0	82.0
	DDC-07 (6" extraction)		70.0	70.0	87.0	84.0	118.0
	DDC-06 (6" extraction)		70.0	72.0	87.0	84.0	84.0
VOC's (ppb)							
	SP-501	-	-	0.0 ppb	0.0 ppm	-	-
	SP-502	0.1 ppm	0.0 ppm	-	-	0.0 ppm	0.0 ppm
	SP-401B (influent)	-	-	10 ppb	0.0 ppm	-	-
	SP-403B (intermediate 1)	-	-	0.0 ppb	0.0 ppm	-	-
	SP-401A (intermediate 2)	-	-	0.0 ppb	0.0 ppm	-	-
	SP-501 (effuent)	-	-	0.0 ppb	0.0 ppm	-	-
	SP-402B (influent)	0.1 ppm	0.0 ppm	-	-	0.1 ppm	0.0 ppm
	SP-403A (intermediate 1)	0.1 ppm	0.0 ppm	-	-	0.0 ppm	0.0 ppm
	SP-402A (intermediate 2)	0.0 ppm	0.0 ppm	-	-	0.0 ppm	0.0 ppm
	SP-502 (effluent)	0.0 ppm	0.0 ppm	-	-	0.0 ppm	0.0 ppm
	DDC-05	0.1 ppm	0.1 ppm	82 ppb	0.0 ppm	0.1 ppm	0.0 ppm
	DDC-10	0.2 ppm	0.0 ppm	49 ppb	0.0 ppm	0.2 ppm	0.0 ppm
	DDC-09	0.0 ppm	0.0 ppm	115 ppb	0.0 ppm	0.0 ppm	0.0 ppm

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Offsite DDC System Data Log

Date		3/24/2020	4/14/2020	5/7/2020	6/4/2020	7/9/2020	8/3/2020
Technician		JB	JB, MF	JB, MF	JB, MF	JB, PL	MF, PL
	DDC-08	0.3 ppm	0.0 ppm	99 ppb	0.0 ppm	0.0 ppm	0.0 ppm
	DDC-07	0.0 ppm	0.0 ppm	80 ppb	0.0 ppm	0.0 ppm	0.0 ppm
	DDC-06	0.2 ppm	0.0 ppm	89 ppb	0.0 ppm	0.0 ppm	0.0 ppm
Well Gauging DTW (ft BGS)							
	MW-1D	7.11	10.88	10.21	8.34	19.18	-
	MW-1S	6.98	10.62	10.10	8.39	11.21	-
	MW-2D	14.94	11.08	8.77	15.19	16.70	13.45
	MW-2S	15.10	11.10	8.60	15.21	16.81	13.08
	MW-3D	7.02	6.95	7.19	7.76	8.50	9.66
	MW-3S	7.40	6.97	7.05	7.81	8.71	9.50
	DDC-05 (PZ Shallow)		8.21	8.91	9.71	14.01	14.60
	DDC-05 (PZ Deep)		13.02	13.10	13.98	10.98	11.18
	DDC-10 (PZ Shallow)		9.11	9.91	10.48	11.31	11.20
	DDC-10 (PZ Deep)		10.80	12.17	14.38	15.21	-
	DDC-09 (PZ Shallow)		8.11	8.12	8.29	9.71	15.08
	DDC-09 (PZ Deep)		12.80	13.31	13.08	14.01	13.45
	DDC-08 (PZ Shallow)		6.99	7.01	8.40	10.11	9.77
	DDC-08 (PZ Deep)		10.71	11.23	10.29	11.50	13.68
	DDC-07 (PZ Shallow)		7.81	7.80	8.66	9.88	9.61
	DDC-07 (PZ Deep)		9.08	9.61	11.01	12.21	11.60
	DDC-06 (PZ Shallow)		7.30	7.42	8.01	8.42	-
	DDC-06 (PZ Deep)		7.57	7.65	8.50	9.13	-

Notes:

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DDC System #3 (offsite) Air Analytical Results (ug/m3)
TestAmerica, Inc.
Methods: TO15

Location	OFFSITE-DDC-INF	OFFSITE-DDC-Mid1	OFFSITE-DDC-Mid2	OFFSITE-DDC-EFF
Date Collected	6/4/2020	6/4/2020	6/4/2020	6/4/2020
Time Collected	12:18 PM	12:24 PM	12:27 PM	12:30 PM
1,1 Dichloroethane	<4.50	<0.95	<3.30	<2.60
1,1 Dichloroethene	**3.4**	<0.47	**1.6**	<1.30
1,1,1 Trichloroethane	<6.10	<1.30	<4.50	<3.50
1,1,2 Trichloroethane	<6.10	<1.30	<4.50	<3.50
1,1,2,2 Tetrachloroethane	<7.70	<1.60	<5.70	<4.40
1,2 Dibromoethane	<8.60	<1.80	<6.30	<4.90
1,2 Dichlorobenzene	<6.70	<1.40	<5	<3.80
1,2 Dichloroethane	<4.50	<0.95	<3.30	<2.60
1,2 Dichloropropane	<5.20	<1.10	<3.80	<2.90
1,2,4 Trichlorobenzene	<8.30	<1.70	<6.10	<4.70
1,2,4 Trimethylbenzene	**37**	**5.2**	**36**	**28**
1,3 Butadiene	<5	<1	<3.60	<2.80
1,3 Dichlorobenzene	<6.70	<1.40	<5	<3.80
1,3,5 Trimethylbenzene	**12**	**2**	**11**	**11**
1,4 Dichlorobenzene	<6.70	<1.40	<5	<3.80
1,4-Dioxane	<10	<2.10	<7.40	<5.70
2,2,4-Trimethylpentane	**52**	**5.6**	**64**	**27**
2-Hexanone	<11	<2.40	<8.40	<6.50
3-Chloropropene	<3.50	<0.74	<2.60	<2
4-Ethyltoluene	**12**	<2.30	**9.7**	**8**
4-Methyl-2-Pentanone	<11	<2.40	<8.40	<6.50
Acetone	**110**	**49**	**150**	**120**
Benzene	**13**	**1.5**	**16**	**6.1**
Benzyl Chloride	<12	<2.40	<8.50	<6.60
Bromodichloromethane	<7.50	<1.60	<5.50	<4.30
Bromoform	<12	<2.40	<8.50	<6.60
Bromomethane	<4.30	<0.91	<3.20	<2.50
c 1,3 Dichloropropene	<5.10	<1.10	<3.70	<2.90
Carbon Disulfide	<8.70	<1.80	<6.40	<5
Carbon Tetrachloride	<2.80	<0.59	<2.10	<1.60
Chlorobenzene	<5.20	<1.10	<3.80	<2.90
Chloroethane	<3	<0.62	<2.20	<1.70
Chloroform	**6**	<1.10	<4	<3.10
Chloromethane	<5.80	**1.9**	<4.30	<3.30
cis-1,2-Dichloroethene	**98**	<0.47	**9.8**	**8.1**
Cyclohexane	**18**	<2	**22**	**6.2**
Dibromochloromethane	<9.50	<2	<7	<5.40
Dichlorodifluoromethane	<5.50	**1.2**	<4.10	<3.20

1 Adams Blvd
East Farmingdale, NY
Spill # 152140

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

DDC System #3 (offsite) Air Analytical Results (ug/m3)
TestAmerica, Inc.
Methods: TO15

Location	OFFSITE-DDC-INF	OFFSITE-DDC-Mid1	OFFSITE-DDC-Mid2	OFFSITE-DDC-EFF
Date Collected	6/4/2020	6/4/2020	6/4/2020	6/4/2020
Time Collected	12:18 PM	12:24 PM	12:27 PM	12:30 PM
Ethanol	400	180	530	360
Ethylbenzene	25	3.2	23	17
Freon 113	<8.60	<1.80	<6.30	<4.90
Freon 114	<7.80	<1.60	<5.80	<4.50
Heptane	31	<2.40	34	13
Hexachlorobutadiene	<12	<2.50	<8.80	<6.80
Hexane	41	7	55	19
Isopropyl Alcohol	2,100	530	1,700	2,000
Isopropylbenzene	<11	<2.30	<8.10	<6.30
m + p Xylene	81	13	78	59
Methyl Ethyl Ketone	25	6.6	29	21
Methylene Chloride	<19	13	<14	<11
n Propylbenzene	<11	<2.30	<8.10	<6.30
o-Xylene	32	5.2	30	22
Styrene	<4.80	<1	<3.50	<2.70
t 1,3 Dichloropropene	<5.10	<1.10	<3.70	<2.90
t butylmethylether	<8.10	<1.70	<5.90	<4.60
Tetrachloroethene	<7.60	<1.60	<5.60	<4.30
Tetrahydrofuran	<17	<3.50	16	13
Toluene	110	12	100	60
Total BTEX	261	35	247	164
trans-1,2-Dichloroethene	<4.40	<0.93	<3.30	<2.50
Trichloroethylene	<2.70	<0.57	<2	5.5
Trichlorofluoromethane	<6.30	1.6	<4.60	<3.60
Vinyl Chloride	1.9	<0.30	1.3	0.96

National Heatset Printers
1 Adams Blvd
East Farmingdale, NY
Spill # 152140

Groundwater Analytical Results (ug/L)
TestAmerica, Inc.
Methods: SW8260C

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Location	Date Collected	Time Collected	1,4 Dichlorobenzene	Acetone	Carbon Tetrachloride	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethylene	Vinyl Chloride	Total VOCs
DDC-10-PD	6/3/2020	9:52 AM	<1	<5	<1	0.37 J	<1	2.2	0.45 J	<1	<1	<1	3.02
DDC-10-PS	6/3/2020	10:15 AM	<1	<5	<1	0.76 J	<1	9.6	<1	<1	<1	<1	10.36
DDC-2-PD	6/1/2020	12:10 PM	<1	5.6	<1	<1	<1	<1	63	<1	0.97 J	<1	69.57
DDC-2-PS	6/1/2020	11:21 AM	<1	8.3	<1	<1	0.56 J	0.61 J	21	<1	<1	<1	30.47
DDC-4-PD	6/1/2020	9:09 AM	<1	7.9	<1	<1	<1	<1	4.8	<1	<1	<1	12.70
DDC-4-PS	6/1/2020	9:40 AM	<1	11	<1	0.34 J	<1	0.37 J	20	<1	<1	<1	31.71
DDC-5-PD	6/2/2020	11:54 AM	<1	5.7	<1	0.93 J	<1	14	1.1	<1	<1	<1	21.73
DDC-5-PS	6/2/2020	12:18 PM	<1	5.9	<1	1.1	<1	17	1.2	<1	<1	<1	25.20
DDC-6-PD	6/2/2020	1:02 PM	<1	6.8	<1	0.84 J	<1	16	0.52 J	<1	0.45 J	<1	24.61
DDC-6-PS	6/2/2020	1:32 PM	<1	<5	<1	0.73 J	<1	16	<1	<1	0.40 J	<1	17.13
DDC-7-PD	6/3/2020	1:17 PM	<1	<5	<1	<1	<1	3.6	1.6	<1	0.93 J	<1	6.13
DDC-7-PS	6/3/2020	1:44 PM	<1	<5	<1	0.76 J	<1	13	0.34 J	<1	<1	<1	14.10
DDC-8-PD	6/3/2020	12:09 PM	<1	<5	<1	0.70 J	<1	12	<1	<1	<1	<1	12.70
DDC-8-PS	6/3/2020	12:38 PM	<1	<5	<1	0.75 J	<1	12	<1	<1	0.38 J	<1	13.13
DDC-9-PD	6/3/2020	11:01 AM	<1	<5	<1	0.71 J	<1	10	0.26 J	<1	0.46 J	<1	11.43
DDC-9-PS	6/3/2020	11:33 AM	<1	<5	<1	0.43 J	<1	6.1	<1	<1	<1	<1	6.53
MW-2A	6/1/2020	10:11 AM	<1	6.8	<1	<1	<1	<1	0.36 J	<1	<1	<1	7.16
MW-2D	6/1/2020	2:20 PM	<10	<50	5.50 J	<10	<10	<10	1,700	<10	<10	<10	1705.50
MW-2S	6/1/2020	2:45 PM	<1	<5	<1	<1	<1	1.8	2.8	<1	0.48 J	<1	5.08
MW-5D	6/1/2020	1:09 PM	<1	5.8	0.31 J	<1	<1	15	340	<1	15	<1	376.11
MW-5S	6/1/2020	1:37 PM	1.4	7.2	<1	<1	0.87 J	1	0.98 J	<1	<1	0.21 J	11.66
MW-6S	6/3/2020	8:24 AM	<1	<5	<1	<1	<1	<1	1.8	<1	<1	<1	1.80
MW-14D	6/2/2020	10:31 AM	<1	9.8	<1	<1	<1	0.27 J	31	<1	1.4	<1	42.47
MW-14S	6/2/2020	11:00 AM	<1	<5	<1	<1	<1	<1	6.2	<1	0.59 J	<1	6.79
MW-15D	6/3/2020	8:52 AM	<1	<5	<1	1	<1	0.28 J	50	<1	0.39 J	<1	51.67
MW-15S	6/3/2020	9:17 AM	<1	<5	<1	1.6	<1	0.60 J	21	<1	0.35 J	<1	23.55
MW-1D (Offsite)	6/3/2020	2:15 PM	<1	<5	<1	0.49 J	<1	25	32	0.41 J	6.8	<1	64.70
MW-1S (Offsite)	6/3/2020	2:33 PM	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<71
MW-2AD	6/1/2020	10:41 AM	<1	9.3	<1	<1	<1	11	20	<1	10	<1	50.30
MW-3S (Onsite)	6/2/2020	9:05 AM	<1	11	<1	0.35 J	<1	0.58 J	2.2	<1	<1	<1	14.13
MW-3D (Onsite)	6/2/2020	9:52 AM	<1	6.6	<1	<1	<1	<1	9.9	<1	<1	<1	16.50
MW-3S (Offsite)	6/2/2020	1:57 PM	<1	<5	<1	<1	<1	<1	<1	<1	<1	<1	<71
MW-3D (Offsite)	6/2/2020	2:29 PM	<1	<5	<1	0.45 J	<1	78	33	0.75 J	35	<1	147.20

J - Indicates an estimated value below laboratory reporting limits
The following analytes were not reported in concentrations at or above their respective method detection limits:

1,1 Dichloroethane	1,3 Dichlorobenzene	Chloroethane	Methyl acetate
1,1 Dichloroethene	2-Hexanone	Cyclohexane	Methyl Ethyl Ketone
1,1,1 Trichloroethane	4-Methyl-2-Pentanone	Cyclohexane, methyl-	Methylene Chloride
1,1,2 Trichloroethane	Benzene	Dibromochloromethane	o-Xylene
1,1,2,2 Tetrachloroethane	Bromodichloromethane	Dibromochloropropane	Styrene
1,2 Dibromoethane	Bromoform	Dichlorodifluoromethane	t 1,3 Dichloropropene
1,2 Dichlorobenzene	Bromomethane	Ethylbenzene	t butylmethylether
1,2 Dichloroethane	c 1,3 Dichloropropene	Freon 113	Toluene
1,2 Dichloropropane	Carbon Disulfide	Isopropylbenzene	Trichlorofluoromethane
1,2,4 Trichlorobenzene	Chlorobenzene	m + p Xylene	

National Heatset Printers
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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

TestAmerica, Inc.
Methods: SW8260C
QAQC Sample Summary

			Relative Percent Difference Analysis			Relative Percent Difference Analysis		
	TripBlank	TripBlank	Parent Sample	Duplicate Sample	Percent	Parent Sample	Duplicate Sample	Precent
Date Collected	6/1/2020	6/3/2020	MW-5S	MW-X	Difference	MW-1D(offsite)	MW-Y	Difference
1,1 Dichloroethane	<1	<1	<1	<1	0%	<1	<1	0%
1,1 Dichloroethene	<1	<1	<1	<1	0%	<1	<1	0%
1,1,1 Trichloroethane	<1	<1	<1	<1	0%	<1	<1	0%
1,1,2 Trichloroethane	<1	<1	<1	<1	0%	<1	<1	0%
1,1,2,2 Tetrachloroethane	<1	<1	<1	<1	0%	<1	<1	0%
1,2 Dibromoethane	<1	<1	<1	<1	0%	<1	<1	0%
1,2 Dichlorobenzene	<1	<1	<1	<1	0%	<1	<1	0%
1,2 Dichloroethane	<1	<1	<1	<1	0%	<1	<1	0%
1,2 Dichloropropane	<1	<1	<1	<1	0%	<1	<1	0%
1,2,4 Trichlorobenzene	<1	<1	<1	<1	0%	<1	<1	0%
1,3 Dichlorobenzene	<1	<1	<1	<1	0%	<1	<1	0%
1,4 Dichlorobenzene	<1	<1	**1.4**	**1.3**	**7.4%**	<1	<1	0%
2-Hexanone	<5	<5	<5	<5	0%	<5	<5	0%
4-Methyl-2-Pentanone	<5	<5	<5	<5	0%	<5	<5	0%
Acetone	**5.4**	**14**	**7.2**	**6.9**	**4.3%**	<5	<5	0%
Benzene	<1	<1	<1	<1	0%	<1	<1	0%
Bromodichloromethane	<1	<1	<1	<1	0%	<1	<1	0%
Bromoform	<1	<1	<1	<1	0%	<1	<1	0%
Bromomethane	<1	<1	<1	<1	0%	<1	<1	0%
c 1,3 Dichloropropene	<1	<1	<1	<1	0%	<1	<1	0%
Carbon Disulfide	<1	<1	<1	<1	0%	<1	<1	0%
Carbon Tetrachloride	<1	<1	<1	<1	0%	<1	<1	0%
Chlorobenzene	<1	<1	<1	<1	0%	<1	<1	0%
Chloroethane	<1	<1	<1	<1	0%	<1	<1	0%
Chloroform	<1	<1	<1	<1	0%	**0.49 J**	**0.53 J**	n/a
Chloromethane	<1	<1	**0.87 J**	**1.1**	n/a	<1	<1	0%
cis-1,2-Dichloroethene	<1	<1	**1**	**0.97 J**	n/a	**25**	**27**	**7.7%**
Cyclohexane	<1	<1	<1	<1	0%	<1	<1	0%
Cyclohexane, methyl-	<1	<1	<1	<1	0%	<1	<1	0%
Dibromochloromethane	<1	<1	<1	<1	0%	<1	<1	0%
Dibromochloropropane	<1	<1	<1	<1	0%	<1	<1	0%
Dichlorodifluoromethane	<1	<1	<1	<1	0%	<1	<1	0%
Ethylbenzene	<1	<1	<1	<1	0%	<1	<1	0%
Freon 113	<1	<1	<1	<1	0%	<1	<1	0%
Isopropylbenzene	<1	<1	<1	<1	0%	<1	<1	0%
m + p Xylene	**0.41 J**	**0.47 J**	<1	<1	0%	<1	<1	0%
Methyl acetate	<5	<5	<5	<5	0%	<5	<5	0%
Methyl Ethyl Ketone	<5	<5	<5	<5	0%	<5	<5	0%
Methylene Chloride	**0.40 J**	<1	<1	<1	0%	<1	<1	0%
o-Xylene	<1	<1	<1	<1	0%	<1	<1	0%
Styrene	<1	<1	<1	<1	0%	<1	<1	0%
t 1,3 Dichloropropene	<1	<1	<1	<1	0%	<1	<1	0%
t butylmethylether	<1	<1	<1	<1	0%	<1	<1	0%
Tetrachloroethene	<1	<1	**0.98 J**	**0.89 J**	n/a	**32**	**33**	**3.1%**
Toluene	<1	<1	<1	<1	0%	<1	<1	0%
Total BTEX	<5	<5	<5	<5	0%	<5	<5	0%
trans-1,2-Dichloroethene	<1	<1	<1	<1	0%	**0.41 J**	**0.42 J**	n/a
Trichloroethylene	<1	<1	<1	<1	0%	**6.8**	**6.6**	**3.0%**
Trichlorofluoromethane	<1	<1	<1	<1	0%	<1	<1	0%
Vinyl Chloride	<1	**<1**	**0.21 J**	**0.23 J**	n/a	<1	<1	0%
Xylenes Total	<2	<2	<2	<2	0%	<2	<2	0%

J - Indicates an estimated value below laboratory reporting limits

National Heatset Printers
1 Adams Blvd
East Farmingdale, NY
Spill # 152140

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Manual Depth to Water Readings
EAR Field Screening

Location	Date Collected	Depth to Water *(ft BGS)*
152140-DDC-08-PD	6/3/2020	10.45
152140-DDC-08-PS	6/3/2020	8.57
152140-DDC-09PD	6/3/2020	13.25
152140-DDC-09PS	6/3/2020	8.15
152140-DDC-10PD	6/3/2020	14.97
152140-DDC-10PS	6/3/2020	10.52
152140-DDC-2PD	6/1/2020	12.85
152140-DDC-2PS	6/1/2020	12.82
152140-DDC-4-PD	6/1/2020	14.54
152140-DDC-4-PS	6/1/2020	14.54
152140-DDC-5-PD	6/2/2020	13.80
152140-DDC-5-PS	6/2/2020	9.15
152140-DDC-6-PD	6/2/2020	8.30
152140-DDC-6-PS	6/2/2020	8.08
152140-DDC-7-PD	6/3/2020	10.88
152140-DDC-7-PS	6/3/2020	8.29
152140-MW-2A	6/1/2020	15.20
152140-MW-2D	6/1/2020	15.20
152140-MW-2S	6/1/2020	15.24
152140-MW-3D	6/2/2020	15.40
152140-MW-3S	6/2/2020	15.49
152140-MW-5D	6/1/2020	13.10
152140-MW-5S	6/1/2020	13.94
152140-MW-6S	6/3/2020	15.03
152140-MW-14D	6/2/2020	14.29
152140-MW-14S	6/2/2020	14.49
152140-MW-15D	6/3/2020	14.72
152140-MW-15S	6/3/2020	14.75
152140-MW-1D(offsite)	6/3/2020	8.30
152140-MW-1S (offsite)	6/3/2020	8.41
152140-MW-2AD	6/1/2020	15.22
152140-MW-3D(offsite)	6/2/2020	7.71
152140-MW-3S(offsite)	6/2/2020	7.71

National Heatset Printers
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East Farmingdale, NY
Spill # 152140

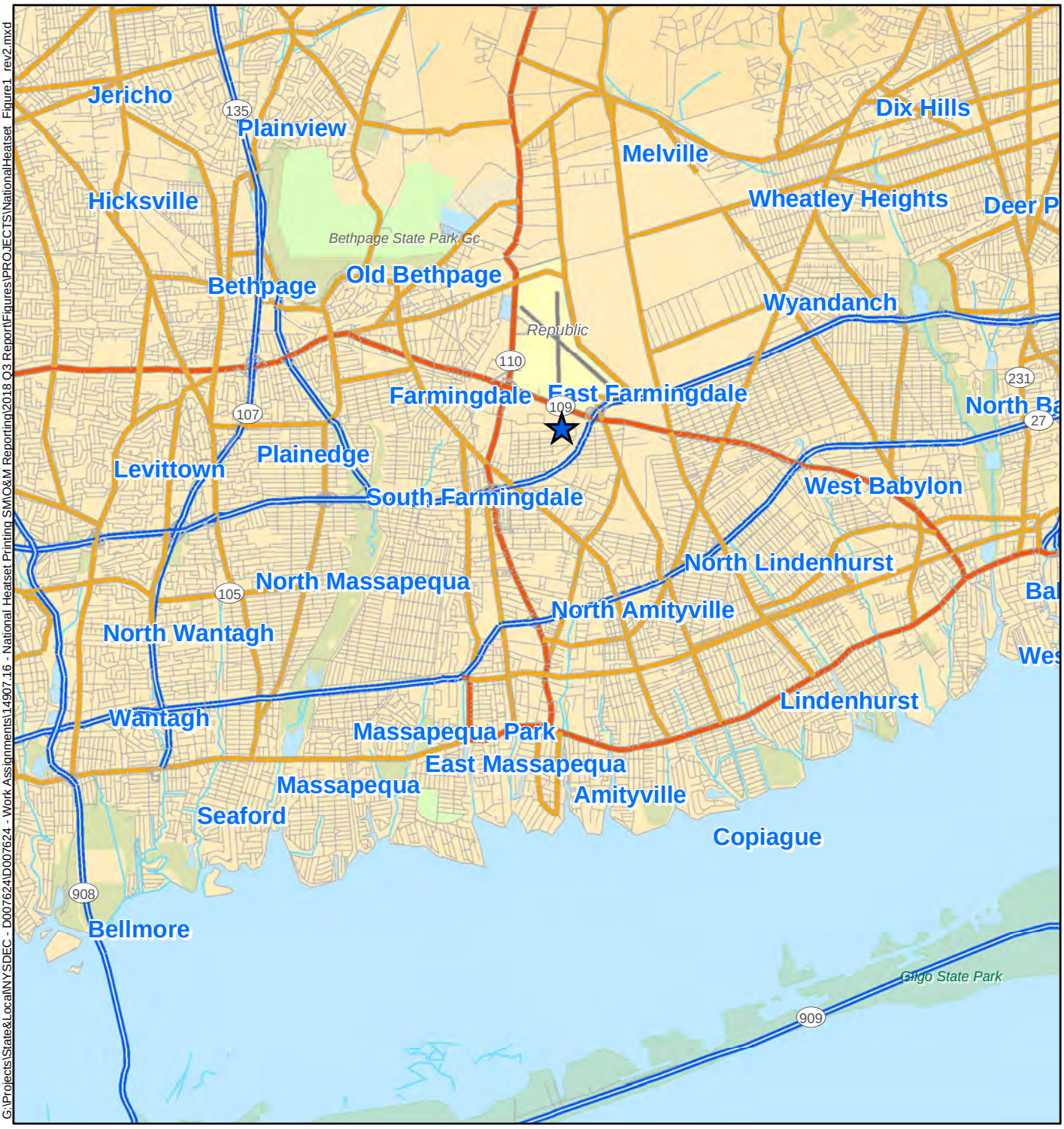
ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Groundwater Analytical Results
EAR Field Screening

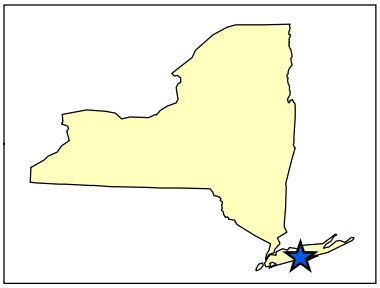
Location	Date Collected	Time Collected	Conductivity *(us/cm)*	Dissolved Oxygen *mg/L*	ORP (Oxidation Reduction Potential) *mV*	pH -	Temperature *° C*	Turbidity *NTU*
DDC-08-PD	6/3/2020	12:09	**232**	**5.51**	**417.0**	**6.49**	**14.95**	**8.01**
DDC-08-PS	6/3/2020	12:38	**234**	**5.67**	**417.0**	**6.52**	**14.86**	**9.12**
DDC-09PD	6/3/2020	11:01	**270**	**4.64**	**421.0**	**6.32**	**14.98**	**4.42**
DDC-09PS	6/3/2020	11:33	**233**	**4.14**	**424.0**	**6.45**	**14.93**	**7.12**
DDC-10PD	6/3/2020	9:52	**266**	**4.91**	**408.0**	**6.38**	**15.05**	**1.75**
DDC-10PS	6/3/2020	10:15	**255**	**5.24**	**407.0**	**6.42**	**15.02**	**3.25**
DDC-2PD	6/1/2020	12:10	**182**	**0.88**	**324.0**	**6.27**	**14.67**	**7.24**
DDC-2PS	6/1/2020	11:21	**287**	**0.98**	**240.1**	**6.26**	**14.77**	**6.29**
DDC-4-PD	6/1/2020	9:09	**168**	**5.80**	**224.0**	**6.04**	**13.90**	**1.20**
DDC-4-PS	6/1/2020	9:40	**356**	**3.54**	**224.1**	**6.36**	**13.70**	**1.39**
DDC-5-PD	6/2/2020	11:54	**241**	**5.57**	**150.0**	**6.52**	**14.39**	**1.81**
DDC-5-PS	6/2/2020	12:18	**242**	**5.59**	**189.0**	**5.84**	**14.20**	**0.68**
DDC-6-PD	6/2/2020	13:02	**180**	**4.55**	**171.0**	**6.27**	**14.80**	**6.11**
DDC-6-PS	6/2/2020	13:32	**181**	**4.49**	**174.0**	**6.27**	**14.93**	**6.81**
DDC-7-PD	6/3/2020	13:17	**306**	**3.45**	**429.0**	**6.24**	**14.93**	**5.71**
DDC-7-PS	6/3/2020	13:44	**294**	**5.05**	**416.0**	**6.57**	**14.95**	**7.22**
MW-2A	6/1/2020	10:11	**111**	**3.18**	**212.0**	**6.67**	**14.25**	**4.67**
MW-2AD	6/1/2020	10:41	**382**	**1.24**	**193.8**	**6.11**	**14.87**	**3.98**
MW-2D (Onsite)	6/1/2020	14:20	**429**	**2.29**	**263.4**	**6.15**	**14.49**	**9.81**
MW-2S (Onsite)	6/1/2020	14:45	**295**	**2.05**	**164.7**	**6.29**	**14.45**	**8.24**
MW-3D	6/2/2020	9:52	**229**	**4.15**	**229.0**	**5.21**	**15.01**	**1.67**
MW-3S	6/2/2020	9:05	**278**	**3.44**	**149.0**	**6.24**	**14.96**	**1.60**
MW-5D	6/1/2020	13:09	**380**	**0.77**	**217.1**	**6.33**	**14.80**	**5.51**
MW-5S	6/1/2020	13:37	**320**	**0.80**	**267.1**	**6.32**	**14.45**	**3.75**
MW-6S	6/3/2020	8:24	**121**	**4.20**	**295.0**	**6.22**	**13.91**	**6.75**
MW-14D	6/2/2020	10:31	**292**	**2.84**	**172.0**	**5.93**	**14.47**	**20.90**
MW-14S	6/2/2020	11:00	**151**	**3.93**	**138.0**	**6.73**	**14.02**	**11.10**
MW-15D	6/3/2020	8:52	**208**	**3.51**	**389.0**	**6.20**	**14.77**	**6.77**
MW-15S	6/3/2020	9:17	**247**	**3.80**	**374.0**	**6.48**	**14.82**	**9.87**
MW-1D(offsite)	6/3/2020	14:15	**160**	**4.19**	**419.0**	**6.14**	**15.08**	**6.59**
MW-1S(offsite)	6/3/2020	14:33	**186**	**3.95**	**424.0**	**6.01**	**14.57**	**5.50**
MW-3D(offsite)	6/2/2020	14:29	**178**	**2.54**	**197.0**	**5.41**	**14.89**	**3.48**
MW-3S(offsite)	6/2/2020	13:57	**206**	**2.40**	**109.0**	**6.70**	**14.90**	**3.51**

Figures

Figure 1: Site Location Map
Figure 2: Post Map – Onsite Water Quality
Figure 3: Post Map – Offsite Water Quality



G:\Projects\State&Local\NYSDEC - D007624\D007624 - Work Assignments\14907.16 - National Heatset Printing SMO&M Reporting\2018 Q3 ReportFigures\PROJECTS\NationalHeatset_Figure1_rev2.mxd



0 0.5 1 2
Miles

1 inch = 1.5 miles

N

Legend

★ Site Location

Figure 1
SITE LOCATION MAP
NATIONAL HEATSET SITE (152140)
BABYLON, NEW YORK
SUFFOLK COUNTY

Map Date: 7/1/2019
Source: ESRI, 2011

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

EA®



N

Legend

Monitoring Well

Results reported in ug/L

J - Indicates an estimated value below laboratory reporting limits

Analysis by Test America, Inc. via EPA Method 8260C

0 60

SCALE IN FEET

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Figure 2
Onsite Groundwater Quality
June 2020

National Heatset Printing Co.
1 Adams Boulevard
East Farmingdale, NY
NYSDEC Site #152140



ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Figure 3
Offsite Groundwater Quality
June 2020

National Heatset Printing Co.
1 Adams Boulevard
East Farmingdale, NY
NYSDEC Site #152140

Appendix A: Laboratory Analytical Reports

ANALYTICAL REPORT

Job Number: 140-19327-1

Job Description: National Heatset #152140

Contract Number: C100700

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, NY 12233-3256

Attention: Mr. Payson Long



Approved for release.
Diana L Lange
Project Management Assistant II
6/19/2020 12:22 PM

Designee for
Jamie A McKinney, Senior Project Manager
5815 Middlebrook Pike, Knoxville, TN, 37921
(865)291-3000
jamie.mckinney@testamericainc.com
06/19/2020

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

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

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

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Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
E	Result exceeded calibration range.

Glossary

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

Job Narrative
140-19327-1

Comments
No additional comments.

Receipt
The samples were received on 6/9/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice.

Air - GC/MS VOA
Methods TO 15 LL, TO-14A, TO-14A Low, TO-15: Initial calibration verification (ICV 140-39100/17) associated with batch 140-39100 had internal standard recoveries above QC limits. There is no impact on the data; since all the analytes recovered well within limits.

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

Methods TO 15 LL, TO-14A, TO-14A Low, TO-15: The Initial Calibration for Methylene Chloride did not meet the %RSD criterion specified in the standard operating procedure for average response factor. An linear calibration model was selected which met the acceptance criterion for coefficient of determination (r2) at 0.998 and the read back criteria for the individual calibration points. (ICIS 140-39464/20) and (ICIS 140-39590/22)

Methods TO 15 LL, TO-15: The continuing calibration verification (CCV) associated with batch 140-40256 exhibited % difference of > 30% for the following analyte(s) 1,2-Dibromo-3-Chloropropane and Bromoform; however, the results were within the LCS acceptance limits. The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria.

Methods TO 15 LL, TO-15: The continuing calibration verification (CCV) associated with batch 140-40256 recovered above the upper control limit for 1,2-Dichloro-1,1,2,2-tetrafluoroethane and Dichlorodifluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Methods TO 15 LL, TO-15: The laboratory control sample (LCS) for analytical batch 140-40256 recovered outside control limits for the following analytes: 1,2-Dichloro-1,1,2,2-tetrafluoroethane and Dichlorodifluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method TO 15 LL: The continuing calibration verification (CCV) associated with batch 140-40269 exhibited % difference of > 30% for the following analyte(s) 1,4-Dioxane; 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 and is within laboratory marginal exceedance criteria.

Methods TO 15 LL, TO-15: Although the BFB is flagged as outside control limits for TO-14 on batch 140-40253, the results are within limits for TO-15, which is required for this project.

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

Detection Summary

Client: New York State D.E.C.
Project/Site: National Heatset #152140

Job ID: 140-19327-1

Client Sample ID: SVE INF

Lab Sample ID: 140-19327-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	8.6		0.80		ppb v/v	1		TO 15 LL	Total/NA
1,3,5-Trimethylbenzene	3.0		0.80		ppb v/v	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	10		2.0		ppb v/v	1		TO 15 LL	Total/NA
2-Butanone	9.9		3.2		ppb v/v	1		TO 15 LL	Total/NA
2-Propanol	880	E	8.0		ppb v/v	1		TO 15 LL	Total/NA
4-Ethyltoluene	2.5		1.6		ppb v/v	1		TO 15 LL	Total/NA
Acetone	46		20		ppb v/v	1		TO 15 LL	Total/NA
Benzene	3.9		0.80		ppb v/v	1		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	3.4		0.40		ppb v/v	1		TO 15 LL	Total/NA
Cyclohexane	4.8		2.0		ppb v/v	1		TO 15 LL	Total/NA
Ethanol	210		20		ppb v/v	1		TO 15 LL	Total/NA
Ethylbenzene	6.1		0.80		ppb v/v	1		TO 15 LL	Total/NA
Heptane	7.4		2.0		ppb v/v	1		TO 15 LL	Total/NA
Hexane	9.9		2.0		ppb v/v	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	21		0.80		ppb v/v	1		TO 15 LL	Total/NA
o-Xylene	8.2		0.80		ppb v/v	1		TO 15 LL	Total/NA
Propylbenzene	1.7		1.6		ppb v/v	1		TO 15 LL	Total/NA
Tetrahydrofuran	5.7		4.0		ppb v/v	1		TO 15 LL	Total/NA
Toluene	31		1.2		ppb v/v	1		TO 15 LL	Total/NA
Trichloroethene	1.2		0.36		ppb v/v	1		TO 15 LL	Total/NA
2-Propanol - DL	520	D	36		ppb v/v	1		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	42		3.9		ug/m3	1		TO 15 LL	Total/NA
1,3,5-Trimethylbenzene	15		3.9		ug/m3	1		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	49		9.3		ug/m3	1		TO 15 LL	Total/NA
2-Butanone	29		9.4		ug/m3	1		TO 15 LL	Total/NA
2-Propanol	2200	E	20		ug/m3	1		TO 15 LL	Total/NA
4-Ethyltoluene	13		7.9		ug/m3	1		TO 15 LL	Total/NA
Acetone	110		48		ug/m3	1		TO 15 LL	Total/NA
Benzene	12		2.6		ug/m3	1		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	14		1.6		ug/m3	1		TO 15 LL	Total/NA
Cyclohexane	17		6.9		ug/m3	1		TO 15 LL	Total/NA
Ethanol	400		38		ug/m3	1		TO 15 LL	Total/NA
Ethylbenzene	27		3.5		ug/m3	1		TO 15 LL	Total/NA
Heptane	30		8.2		ug/m3	1		TO 15 LL	Total/NA
Hexane	35		7.0		ug/m3	1		TO 15 LL	Total/NA
m-Xylene & p-Xylene	91		3.5		ug/m3	1		TO 15 LL	Total/NA
o-Xylene	36		3.5		ug/m3	1		TO 15 LL	Total/NA
Propylbenzene	8.2		7.9		ug/m3	1		TO 15 LL	Total/NA
Tetrahydrofuran	17		12		ug/m3	1		TO 15 LL	Total/NA
Toluene	120		4.5		ug/m3	1		TO 15 LL	Total/NA
Trichloroethene	6.2		1.9		ug/m3	1		TO 15 LL	Total/NA
2-Propanol - DL	1300	D	89		ug/m3	1		TO 15 LL	Total/NA

Client Sample ID: SVE EFF

Lab Sample ID: 140-19327-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	8.0		0.54		ppb v/v	1.34		TO 15 LL	Total/NA
1,3,5-Trimethylbenzene	2.9		0.54		ppb v/v	1.34		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	9.3		1.3		ppb v/v	1.34		TO 15 LL	Total/NA
2-Butanone	9.8		2.1		ppb v/v	1.34		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SVE EFF (Continued)
Lab Sample ID: 140-19327-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Propanol	880	E	5.4		ppb v/v	1.34		TO 15 LL	Total/NA
4-Ethyltoluene	2.1		1.1		ppb v/v	1.34		TO 15 LL	Total/NA
Acetone	51		13		ppb v/v	1.34		TO 15 LL	Total/NA
Benzene	2.9		0.54		ppb v/v	1.34		TO 15 LL	Total/NA
Carbon disulfide	7.8		1.3		ppb v/v	1.34		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	4.5		0.27		ppb v/v	1.34		TO 15 LL	Total/NA
Cyclohexane	4.1		1.3		ppb v/v	1.34		TO 15 LL	Total/NA
Ethanol	200		13		ppb v/v	1.34		TO 15 LL	Total/NA
Ethylbenzene	5.7		0.54		ppb v/v	1.34		TO 15 LL	Total/NA
Heptane	5.3		1.3		ppb v/v	1.34		TO 15 LL	Total/NA
Hexane	8.7		1.3		ppb v/v	1.34		TO 15 LL	Total/NA
m-Xylene & p-Xylene	19		0.54		ppb v/v	1.34		TO 15 LL	Total/NA
o-Xylene	7.6		0.54		ppb v/v	1.34		TO 15 LL	Total/NA
Propylbenzene	1.5		1.1		ppb v/v	1.34		TO 15 LL	Total/NA
Tetrahydrofuran	5.6		2.7		ppb v/v	1.34		TO 15 LL	Total/NA
Toluene	25		0.80		ppb v/v	1.34		TO 15 LL	Total/NA
2-Propanol - DL	960	D	21		ppb v/v	1.34		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	39		2.6		ug/m3	1.34		TO 15 LL	Total/NA
1,3,5-Trimethylbenzene	14		2.6		ug/m3	1.34		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	43		6.3		ug/m3	1.34		TO 15 LL	Total/NA
2-Butanone	29		6.3		ug/m3	1.34		TO 15 LL	Total/NA
2-Propanol	2200	E	13		ug/m3	1.34		TO 15 LL	Total/NA
4-Ethyltoluene	10		5.3		ug/m3	1.34		TO 15 LL	Total/NA
Acetone	120		32		ug/m3	1.34		TO 15 LL	Total/NA
Benzene	9.2		1.7		ug/m3	1.34		TO 15 LL	Total/NA
Carbon disulfide	24		4.2		ug/m3	1.34		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	18		1.1		ug/m3	1.34		TO 15 LL	Total/NA
Cyclohexane	14		4.6		ug/m3	1.34		TO 15 LL	Total/NA
Ethanol	380		25		ug/m3	1.34		TO 15 LL	Total/NA
Ethylbenzene	25		2.3		ug/m3	1.34		TO 15 LL	Total/NA
Heptane	22		5.5		ug/m3	1.34		TO 15 LL	Total/NA
Hexane	31		4.7		ug/m3	1.34		TO 15 LL	Total/NA
m-Xylene & p-Xylene	82		2.3		ug/m3	1.34		TO 15 LL	Total/NA
o-Xylene	33		2.3		ug/m3	1.34		TO 15 LL	Total/NA
Propylbenzene	7.2		5.3		ug/m3	1.34		TO 15 LL	Total/NA
Tetrahydrofuran	17		7.9		ug/m3	1.34		TO 15 LL	Total/NA
Toluene	94		3.0		ug/m3	1.34		TO 15 LL	Total/NA
2-Propanol - DL	2400	D	53		ug/m3	1.34		TO 15 LL	Total/NA

Client Sample ID: OFFSITE DDC INF
Lab Sample ID: 140-19327-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.85		0.56		ppb v/v	1.4		TO 15 LL	Total/NA
1,2,4-Trimethylbenzene	7.5		1.1		ppb v/v	1.4		TO 15 LL	Total/NA
1,3,5-Trimethylbenzene	2.4		1.1		ppb v/v	1.4		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	11		2.8		ppb v/v	1.4		TO 15 LL	Total/NA
2-Butanone	8.4		4.5		ppb v/v	1.4		TO 15 LL	Total/NA
2-Propanol	770	E	11		ppb v/v	1.4		TO 15 LL	Total/NA
4-Ethyltoluene	2.4		2.2		ppb v/v	1.4		TO 15 LL	Total/NA
Acetone	47		28		ppb v/v	1.4		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OFFSITE DDC INF (Continued)
Lab Sample ID: 140-19327-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.0		1.1		ppb v/v	1.4		TO 15 LL	Total/NA
Chloroform	1.2		1.1		ppb v/v	1.4		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	25		0.56		ppb v/v	1.4		TO 15 LL	Total/NA
Cyclohexane	5.3		2.8		ppb v/v	1.4		TO 15 LL	Total/NA
Ethanol	210		28		ppb v/v	1.4		TO 15 LL	Total/NA
Ethylbenzene	5.7		1.1		ppb v/v	1.4		TO 15 LL	Total/NA
Heptane	7.5		2.8		ppb v/v	1.4		TO 15 LL	Total/NA
Hexane	12		2.8		ppb v/v	1.4		TO 15 LL	Total/NA
m-Xylene & p-Xylene	19		1.1		ppb v/v	1.4		TO 15 LL	Total/NA
o-Xylene	7.5		1.1		ppb v/v	1.4		TO 15 LL	Total/NA
Toluene	29		1.7		ppb v/v	1.4		TO 15 LL	Total/NA
Vinyl chloride	0.76		0.56		ppb v/v	1.4		TO 15 LL	Total/NA
2-Propanol - DL	840	D	22		ppb v/v	1.4		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	3.4		2.2		ug/m3	1.4		TO 15 LL	Total/NA
1,2,4-Trimethylbenzene	37		5.5		ug/m3	1.4		TO 15 LL	Total/NA
1,3,5-Trimethylbenzene	12		5.5		ug/m3	1.4		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	52		13		ug/m3	1.4		TO 15 LL	Total/NA
2-Butanone	25		13		ug/m3	1.4		TO 15 LL	Total/NA
2-Propanol	1900	E	28		ug/m3	1.4		TO 15 LL	Total/NA
4-Ethyltoluene	12		11		ug/m3	1.4		TO 15 LL	Total/NA
Acetone	110		67		ug/m3	1.4		TO 15 LL	Total/NA
Benzene	13		3.6		ug/m3	1.4		TO 15 LL	Total/NA
Chloroform	6.0		5.5		ug/m3	1.4		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	98		2.2		ug/m3	1.4		TO 15 LL	Total/NA
Cyclohexane	18		9.6		ug/m3	1.4		TO 15 LL	Total/NA
Ethanol	400		53		ug/m3	1.4		TO 15 LL	Total/NA
Ethylbenzene	25		4.9		ug/m3	1.4		TO 15 LL	Total/NA
Heptane	31		11		ug/m3	1.4		TO 15 LL	Total/NA
Hexane	41		9.9		ug/m3	1.4		TO 15 LL	Total/NA
m-Xylene & p-Xylene	81		4.9		ug/m3	1.4		TO 15 LL	Total/NA
o-Xylene	32		4.9		ug/m3	1.4		TO 15 LL	Total/NA
Toluene	110		6.3		ug/m3	1.4		TO 15 LL	Total/NA
Vinyl chloride	1.9		1.4		ug/m3	1.4		TO 15 LL	Total/NA
2-Propanol - DL	2100	D	55		ug/m3	1.4		TO 15 LL	Total/NA

Client Sample ID: OFFSITE DDC MID-1
Lab Sample ID: 140-19327-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1.1		0.24		ppb v/v	4.7		TO 15 LL	Total/NA
1,3,5-Trimethylbenzene	0.40		0.24		ppb v/v	4.7		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	1.2		0.59		ppb v/v	4.7		TO 15 LL	Total/NA
2-Butanone	2.2		0.94		ppb v/v	4.7		TO 15 LL	Total/NA
2-Propanol	280	E	2.4		ppb v/v	4.7		TO 15 LL	Total/NA
Acetone	21		5.9		ppb v/v	4.7		TO 15 LL	Total/NA
Benzene	0.45		0.24		ppb v/v	4.7		TO 15 LL	Total/NA
Chloromethane	0.92		0.59		ppb v/v	4.7		TO 15 LL	Total/NA
Ethanol	95		5.9		ppb v/v	4.7		TO 15 LL	Total/NA
Ethylbenzene	0.73		0.24		ppb v/v	4.7		TO 15 LL	Total/NA
Freon 11	0.29		0.24		ppb v/v	4.7		TO 15 LL	Total/NA
Freon 12	0.24		0.24		ppb v/v	4.7		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OFFSITE DDC MID-1 (Continued)
Lab Sample ID: 140-19327-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Hexane	2.0		0.59		ppb v/v	4.7		TO 15 LL	Total/NA
Methylene Chloride	3.6		1.2		ppb v/v	4.7		TO 15 LL	Total/NA
m-Xylene & p-Xylene	3.0		0.24		ppb v/v	4.7		TO 15 LL	Total/NA
o-Xylene	1.2		0.24		ppb v/v	4.7		TO 15 LL	Total/NA
Toluene	3.2		0.35		ppb v/v	4.7		TO 15 LL	Total/NA
2-Propanol - DL	220	D	13		ppb v/v	4.7		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	5.2		1.2		ug/m3	4.7		TO 15 LL	Total/NA
1,3,5-Trimethylbenzene	2.0		1.2		ug/m3	4.7		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	5.6		2.7		ug/m3	4.7		TO 15 LL	Total/NA
2-Butanone	6.6		2.8		ug/m3	4.7		TO 15 LL	Total/NA
2-Propanol	690	E	5.8		ug/m3	4.7		TO 15 LL	Total/NA
Acetone	49		14		ug/m3	4.7		TO 15 LL	Total/NA
Benzene	1.5		0.75		ug/m3	4.7		TO 15 LL	Total/NA
Chloromethane	1.9		1.2		ug/m3	4.7		TO 15 LL	Total/NA
Ethanol	180		11		ug/m3	4.7		TO 15 LL	Total/NA
Ethylbenzene	3.2		1.0		ug/m3	4.7		TO 15 LL	Total/NA
Freon 11	1.6		1.3		ug/m3	4.7		TO 15 LL	Total/NA
Freon 12	1.2		1.2		ug/m3	4.7		TO 15 LL	Total/NA
Hexane	7.0		2.1		ug/m3	4.7		TO 15 LL	Total/NA
Methylene Chloride	13		4.1		ug/m3	4.7		TO 15 LL	Total/NA
m-Xylene & p-Xylene	13		1.0		ug/m3	4.7		TO 15 LL	Total/NA
o-Xylene	5.2		1.0		ug/m3	4.7		TO 15 LL	Total/NA
Toluene	12		1.3		ug/m3	4.7		TO 15 LL	Total/NA
2-Propanol - DL	530	D	31		ug/m3	4.7		TO 15 LL	Total/NA

Client Sample ID: OFFSITE DDC MID-2
Lab Sample ID: 140-19327-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.41		0.41		ppb v/v	2.06		TO 15 LL	Total/NA
1,2,4-Trimethylbenzene	7.2		0.82		ppb v/v	2.06		TO 15 LL	Total/NA
1,3,5-Trimethylbenzene	2.2		0.82		ppb v/v	2.06		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	14		2.1		ppb v/v	2.06		TO 15 LL	Total/NA
2-Butanone	9.7		3.3		ppb v/v	2.06		TO 15 LL	Total/NA
2-Propanol	960	E	8.2		ppb v/v	2.06		TO 15 LL	Total/NA
4-Ethyltoluene	2.0		1.6		ppb v/v	2.06		TO 15 LL	Total/NA
Acetone	62		21		ppb v/v	2.06		TO 15 LL	Total/NA
Benzene	4.9		0.82		ppb v/v	2.06		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	2.5		0.41		ppb v/v	2.06		TO 15 LL	Total/NA
Cyclohexane	6.5		2.1		ppb v/v	2.06		TO 15 LL	Total/NA
Ethanol	280		21		ppb v/v	2.06		TO 15 LL	Total/NA
Ethylbenzene	5.4		0.82		ppb v/v	2.06		TO 15 LL	Total/NA
Heptane	8.3		2.1		ppb v/v	2.06		TO 15 LL	Total/NA
Hexane	16		2.1		ppb v/v	2.06		TO 15 LL	Total/NA
m-Xylene & p-Xylene	18		0.82		ppb v/v	2.06		TO 15 LL	Total/NA
o-Xylene	7.0		0.82		ppb v/v	2.06		TO 15 LL	Total/NA
Tetrahydrofuran	5.6		4.1		ppb v/v	2.06		TO 15 LL	Total/NA
Toluene	27		1.2		ppb v/v	2.06		TO 15 LL	Total/NA
Vinyl chloride	0.51		0.41		ppb v/v	2.06		TO 15 LL	Total/NA
2-Propanol - DL	700	D	33		ppb v/v	2.06		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OFFSITE DDC MID-2 (Continued)
Lab Sample ID: 140-19327-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.6		1.6		ug/m3	2.06		TO 15 LL	Total/NA
1,2,4-Trimethylbenzene	36		4.1		ug/m3	2.06		TO 15 LL	Total/NA
1,3,5-Trimethylbenzene	11		4.1		ug/m3	2.06		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	64		9.6		ug/m3	2.06		TO 15 LL	Total/NA
2-Butanone	29		9.7		ug/m3	2.06		TO 15 LL	Total/NA
2-Propanol	2400	E	20		ug/m3	2.06		TO 15 LL	Total/NA
4-Ethyltoluene	9.7		8.1		ug/m3	2.06		TO 15 LL	Total/NA
Acetone	150		49		ug/m3	2.06		TO 15 LL	Total/NA
Benzene	16		2.6		ug/m3	2.06		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	9.8		1.6		ug/m3	2.06		TO 15 LL	Total/NA
Cyclohexane	22		7.1		ug/m3	2.06		TO 15 LL	Total/NA
Ethanol	530		39		ug/m3	2.06		TO 15 LL	Total/NA
Ethylbenzene	23		3.6		ug/m3	2.06		TO 15 LL	Total/NA
Heptane	34		8.4		ug/m3	2.06		TO 15 LL	Total/NA
Hexane	55		7.3		ug/m3	2.06		TO 15 LL	Total/NA
m-Xylene & p-Xylene	78		3.6		ug/m3	2.06		TO 15 LL	Total/NA
o-Xylene	30		3.6		ug/m3	2.06		TO 15 LL	Total/NA
Tetrahydrofuran	16		12		ug/m3	2.06		TO 15 LL	Total/NA
Toluene	100		4.7		ug/m3	2.06		TO 15 LL	Total/NA
Vinyl chloride	1.3		1.1		ug/m3	2.06		TO 15 LL	Total/NA
2-Propanol - DL	1700	D	81		ug/m3	2.06		TO 15 LL	Total/NA

Client Sample ID: OFFSITE DDC EFF
Lab Sample ID: 140-19327-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	5.6		0.64		ppb v/v	2.23		TO 15 LL	Total/NA
1,3,5-Trimethylbenzene	2.2		0.64		ppb v/v	2.23		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	5.8		1.6		ppb v/v	2.23		TO 15 LL	Total/NA
2-Butanone	7.0		2.5		ppb v/v	2.23		TO 15 LL	Total/NA
2-Propanol	780	E	6.4		ppb v/v	2.23		TO 15 LL	Total/NA
4-Ethyltoluene	1.6		1.3		ppb v/v	2.23		TO 15 LL	Total/NA
Acetone	51		16		ppb v/v	2.23		TO 15 LL	Total/NA
Benzene	1.9		0.64		ppb v/v	2.23		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	2.0		0.32		ppb v/v	2.23		TO 15 LL	Total/NA
Cyclohexane	1.8		1.6		ppb v/v	2.23		TO 15 LL	Total/NA
Ethanol	190		16		ppb v/v	2.23		TO 15 LL	Total/NA
Ethylbenzene	3.9		0.64		ppb v/v	2.23		TO 15 LL	Total/NA
Heptane	3.2		1.6		ppb v/v	2.23		TO 15 LL	Total/NA
Hexane	5.5		1.6		ppb v/v	2.23		TO 15 LL	Total/NA
m-Xylene & p-Xylene	14		0.64		ppb v/v	2.23		TO 15 LL	Total/NA
o-Xylene	5.1		0.64		ppb v/v	2.23		TO 15 LL	Total/NA
Tetrahydrofuran	4.2		3.2		ppb v/v	2.23		TO 15 LL	Total/NA
Toluene	16		0.96		ppb v/v	2.23		TO 15 LL	Total/NA
Trichloroethene	1.0		0.29		ppb v/v	2.23		TO 15 LL	Total/NA
Vinyl chloride	0.37		0.32		ppb v/v	2.23		TO 15 LL	Total/NA
2-Propanol - DL	830	D	36		ppb v/v	2.23		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	28		3.1		ug/m3	2.23		TO 15 LL	Total/NA
1,3,5-Trimethylbenzene	11		3.1		ug/m3	2.23		TO 15 LL	Total/NA
2,2,4-Trimethylpentane	27		7.4		ug/m3	2.23		TO 15 LL	Total/NA
2-Butanone	21		7.5		ug/m3	2.23		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OFFSITE DDC EFF (Continued)
Lab Sample ID: 140-19327-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Propanol	1900	E	16		ug/m3	2.23		TO 15 LL	Total/NA
4-Ethyltoluene	8.0		6.3		ug/m3	2.23		TO 15 LL	Total/NA
Acetone	120		38		ug/m3	2.23		TO 15 LL	Total/NA
Benzene	6.1		2.0		ug/m3	2.23		TO 15 LL	Total/NA
cis-1,2-Dichloroethene	8.1		1.3		ug/m3	2.23		TO 15 LL	Total/NA
Cyclohexane	6.2		5.5		ug/m3	2.23		TO 15 LL	Total/NA
Ethanol	360		30		ug/m3	2.23		TO 15 LL	Total/NA
Ethylbenzene	17		2.8		ug/m3	2.23		TO 15 LL	Total/NA
Heptane	13		6.5		ug/m3	2.23		TO 15 LL	Total/NA
Hexane	19		5.6		ug/m3	2.23		TO 15 LL	Total/NA
m-Xylene & p-Xylene	59		2.8		ug/m3	2.23		TO 15 LL	Total/NA
o-Xylene	22		2.8		ug/m3	2.23		TO 15 LL	Total/NA
Tetrahydrofuran	13		9.4		ug/m3	2.23		TO 15 LL	Total/NA
Toluene	60		3.6		ug/m3	2.23		TO 15 LL	Total/NA
Trichloroethene	5.5		1.5		ug/m3	2.23		TO 15 LL	Total/NA
Vinyl chloride	0.96		0.81		ug/m3	2.23		TO 15 LL	Total/NA
2-Propanol - DL	2000	D	88		ug/m3	2.23		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SVE INF
Lab Sample ID: 140-19327-1

Date Collected: 06/04/20 11:38
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.80		ppb v/v			06/11/20 21:28	1
1,1,2,2-Tetrachloroethane	ND		0.80		ppb v/v			06/11/20 21:28	1
1,1,2-Trichloroethane	ND		0.80		ppb v/v			06/11/20 21:28	1
1,1-Dichloroethane	ND		0.80		ppb v/v			06/11/20 21:28	1
1,1-Dichloroethene	ND		0.40		ppb v/v			06/11/20 21:28	1
1,2,4-Trichlorobenzene	ND		0.80		ppb v/v			06/11/20 21:28	1
1,2,4-Trimethylbenzene	**8.6**		0.80		ppb v/v			06/11/20 21:28	1
1,2-Dibromoethane	ND		0.80		ppb v/v			06/11/20 21:28	1
1,2-Dichlorobenzene	ND		0.80		ppb v/v			06/11/20 21:28	1
1,2-Dichloroethane	ND		0.80		ppb v/v			06/11/20 21:28	1
1,2-Dichloropropane	ND		0.80		ppb v/v			06/11/20 21:28	1
1,3,5-Trimethylbenzene	**3.0**		0.80		ppb v/v			06/11/20 21:28	1
1,3-Butadiene	ND		1.6		ppb v/v			06/11/20 21:28	1
1,3-Dichlorobenzene	ND		0.80		ppb v/v			06/11/20 21:28	1
1,4-Dichlorobenzene	ND		0.80		ppb v/v			06/11/20 21:28	1
1,4-Dioxane	ND		2.0		ppb v/v			06/11/20 21:28	1
2,2,4-Trimethylpentane	**10**		2.0		ppb v/v			06/11/20 21:28	1
2-Butanone	**9.9**		3.2		ppb v/v			06/11/20 21:28	1
2-Hexanone	ND		2.0		ppb v/v			06/11/20 21:28	1
2-Propanol	**880**	**E**	8.0		ppb v/v			06/11/20 21:28	1
3-Chloropropene	ND		0.80		ppb v/v			06/11/20 21:28	1
4-Ethyltoluene	**2.5**		1.6		ppb v/v			06/11/20 21:28	1
4-Methyl-2-pentanone (MIBK)	ND		2.0		ppb v/v			06/11/20 21:28	1
Acetone	**46**		20		ppb v/v			06/11/20 21:28	1
alpha-Chlorotoluene	ND		1.6		ppb v/v			06/11/20 21:28	1
Benzene	**3.9**		0.80		ppb v/v			06/11/20 21:28	1
Bromodichloromethane	ND		0.80		ppb v/v			06/11/20 21:28	1
Bromoform	ND		0.80		ppb v/v			06/11/20 21:28	1
Bromomethane	ND		0.80		ppb v/v			06/11/20 21:28	1
Carbon disulfide	ND		2.0		ppb v/v			06/11/20 21:28	1
Carbon tetrachloride	ND		0.32		ppb v/v			06/11/20 21:28	1
Chlorobenzene	ND		0.80		ppb v/v			06/11/20 21:28	1
Chloroethane	ND		0.80		ppb v/v			06/11/20 21:28	1
Chloroform	ND		0.80		ppb v/v			06/11/20 21:28	1
Chloromethane	ND		2.0		ppb v/v			06/11/20 21:28	1
cis-1,2-Dichloroethene	**3.4**		0.40		ppb v/v			06/11/20 21:28	1
cis-1,3-Dichloropropene	ND		0.80		ppb v/v			06/11/20 21:28	1
Cumene	ND		1.6		ppb v/v			06/11/20 21:28	1
Cyclohexane	**4.8**		2.0		ppb v/v			06/11/20 21:28	1
Dibromochloromethane	ND		0.80		ppb v/v			06/11/20 21:28	1
Ethanol	**210**		20		ppb v/v			06/11/20 21:28	1
Ethylbenzene	**6.1**		0.80		ppb v/v			06/11/20 21:28	1
Freon 11	ND		0.80		ppb v/v			06/11/20 21:28	1
Freon 113	ND		0.80		ppb v/v			06/11/20 21:28	1
Freon 12	ND	*	0.80		ppb v/v			06/11/20 21:28	1
Freon-114	ND	*	0.80		ppb v/v			06/11/20 21:28	1
Heptane	**7.4**		2.0		ppb v/v			06/11/20 21:28	1
Hexachlorobutadiene	ND		0.80		ppb v/v			06/11/20 21:28	1

Client Sample ID: SVE INF
Lab Sample ID: 140-19327-1

Date Collected: 06/04/20 11:38
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	**9.9**		2.0		ppb v/v			06/11/20 21:28	1
Methyl tert-butyl ether	ND		1.6		ppb v/v			06/11/20 21:28	1
Methylene Chloride	ND		4.0		ppb v/v			06/11/20 21:28	1
m-Xylene & p-Xylene	**21**		0.80		ppb v/v			06/11/20 21:28	1
o-Xylene	**8.2**		0.80		ppb v/v			06/11/20 21:28	1
Propylbenzene	**1.7**		1.6		ppb v/v			06/11/20 21:28	1
Styrene	ND		0.80		ppb v/v			06/11/20 21:28	1
Tetrachloroethene	ND		0.80		ppb v/v			06/11/20 21:28	1
Tetrahydrofuran	**5.7**		4.0		ppb v/v			06/11/20 21:28	1
Toluene	**31**		1.2		ppb v/v			06/11/20 21:28	1
trans-1,2-Dichloroethene	ND		0.80		ppb v/v			06/11/20 21:28	1
trans-1,3-Dichloropropene	ND		0.80		ppb v/v			06/11/20 21:28	1
Trichloroethene	**1.2**		0.36		ppb v/v			06/11/20 21:28	1
Vinyl chloride	ND		0.40		ppb v/v			06/11/20 21:28	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.4		ug/m3			06/11/20 21:28	1
1,1,2,2-Tetrachloroethane	ND		5.5		ug/m3			06/11/20 21:28	1
1,1,2-Trichloroethane	ND		4.4		ug/m3			06/11/20 21:28	1
1,1-Dichloroethane	ND		3.2		ug/m3			06/11/20 21:28	1
1,1-Dichloroethene	ND		1.6		ug/m3			06/11/20 21:28	1
1,2,4-Trichlorobenzene	ND		5.9		ug/m3			06/11/20 21:28	1
1,2,4-Trimethylbenzene	**42**		3.9		ug/m3			06/11/20 21:28	1
1,2-Dibromoethane	ND		6.1		ug/m3			06/11/20 21:28	1
1,2-Dichlorobenzene	ND		4.8		ug/m3			06/11/20 21:28	1
1,2-Dichloroethane	ND		3.2		ug/m3			06/11/20 21:28	1
1,2-Dichloropropane	ND		3.7		ug/m3			06/11/20 21:28	1
1,3,5-Trimethylbenzene	**15**		3.9		ug/m3			06/11/20 21:28	1
1,3-Butadiene	ND		3.5		ug/m3			06/11/20 21:28	1
1,3-Dichlorobenzene	ND		4.8		ug/m3			06/11/20 21:28	1
1,4-Dichlorobenzene	ND		4.8		ug/m3			06/11/20 21:28	1
1,4-Dioxane	ND		7.2		ug/m3			06/11/20 21:28	1
2,2,4-Trimethylpentane	**49**		9.3		ug/m3			06/11/20 21:28	1
2-Butanone	**29**		9.4		ug/m3			06/11/20 21:28	1
2-Hexanone	ND		8.2		ug/m3			06/11/20 21:28	1
2-Propanol	**2200**	**E**	20		ug/m3			06/11/20 21:28	1
3-Chloropropene	ND		2.5		ug/m3			06/11/20 21:28	1
4-Ethyltoluene	**13**		7.9		ug/m3			06/11/20 21:28	1
4-Methyl-2-pentanone (MIBK)	ND		8.2		ug/m3			06/11/20 21:28	1
Acetone	**110**		48		ug/m3			06/11/20 21:28	1
alpha-Chlorotoluene	ND		8.3		ug/m3			06/11/20 21:28	1
Benzene	**12**		2.6		ug/m3			06/11/20 21:28	1
Bromodichloromethane	ND		5.4		ug/m3			06/11/20 21:28	1
Bromoform	ND		8.3		ug/m3			06/11/20 21:28	1
Bromomethane	ND		3.1		ug/m3			06/11/20 21:28	1
Carbon disulfide	ND		6.2		ug/m3			06/11/20 21:28	1
Carbon tetrachloride	ND		2.0		ug/m3			06/11/20 21:28	1
Chlorobenzene	ND		3.7		ug/m3			06/11/20 21:28	1
Chloroethane	ND		2.1		ug/m3			06/11/20 21:28	1

Client Sample ID: SVE INF
Lab Sample ID: 140-19327-1

Date Collected: 06/04/20 11:38
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		3.9		ug/m3			06/11/20 21:28	1
Chloromethane	ND		4.1		ug/m3			06/11/20 21:28	1
cis-1,2-Dichloroethene	**14**		1.6		ug/m3			06/11/20 21:28	1
cis-1,3-Dichloropropene	ND		3.6		ug/m3			06/11/20 21:28	1
Cumene	ND		7.9		ug/m3			06/11/20 21:28	1
Cyclohexane	**17**		6.9		ug/m3			06/11/20 21:28	1
Dibromochloromethane	ND		6.8		ug/m3			06/11/20 21:28	1
Ethanol	**400**		38		ug/m3			06/11/20 21:28	1
Ethylbenzene	**27**		3.5		ug/m3			06/11/20 21:28	1
Freon 11	ND		4.5		ug/m3			06/11/20 21:28	1
Freon 113	ND		6.1		ug/m3			06/11/20 21:28	1
Freon 12	ND	*	4.0		ug/m3			06/11/20 21:28	1
Freon-114	ND	*	5.6		ug/m3			06/11/20 21:28	1
Heptane	**30**		8.2		ug/m3			06/11/20 21:28	1
Hexachlorobutadiene	ND		8.5		ug/m3			06/11/20 21:28	1
Hexane	**35**		7.0		ug/m3			06/11/20 21:28	1
Methyl tert-butyl ether	ND		5.8		ug/m3			06/11/20 21:28	1
Methylene Chloride	ND		14		ug/m3			06/11/20 21:28	1
m-Xylene & p-Xylene	**91**		3.5		ug/m3			06/11/20 21:28	1
o-Xylene	**36**		3.5		ug/m3			06/11/20 21:28	1
Propylbenzene	**8.2**		7.9		ug/m3			06/11/20 21:28	1
Styrene	ND		3.4		ug/m3			06/11/20 21:28	1
Tetrachloroethene	ND		5.4		ug/m3			06/11/20 21:28	1
Tetrahydrofuran	**17**		12		ug/m3			06/11/20 21:28	1
Toluene	**120**		4.5		ug/m3			06/11/20 21:28	1
trans-1,2-Dichloroethene	ND		3.2		ug/m3			06/11/20 21:28	1
trans-1,3-Dichloropropene	ND		3.6		ug/m3			06/11/20 21:28	1
Trichloroethene	**6.2**		1.9		ug/m3			06/11/20 21:28	1
Vinyl chloride	ND		1.0		ug/m3			06/11/20 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 140*		*06/11/20 21:28*	*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
2-Propanol	**520**	**D**	36		ppb v/v			06/16/20 08:03	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	**1300**	**D**	89		ug/m3			06/16/20 08:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 140*		*06/16/20 08:03*	*1*

Client Sample ID: SVE EFF
Lab Sample ID: 140-19327-2

Date Collected: 06/04/20 11:44
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.54		ppb v/v			06/11/20 22:16	1.34
1,1,2,2-Tetrachloroethane	ND		0.54		ppb v/v			06/11/20 22:16	1.34
1,1,2-Trichloroethane	ND		0.54		ppb v/v			06/11/20 22:16	1.34
1,1-Dichloroethane	ND		0.54		ppb v/v			06/11/20 22:16	1.34
1,1-Dichloroethene	ND		0.27		ppb v/v			06/11/20 22:16	1.34
1,2,4-Trichlorobenzene	ND		0.54		ppb v/v			06/11/20 22:16	1.34
1,2,4-Trimethylbenzene	**8.0**		0.54		ppb v/v			06/11/20 22:16	1.34
1,2-Dibromoethane	ND		0.54		ppb v/v			06/11/20 22:16	1.34
1,2-Dichlorobenzene	ND		0.54		ppb v/v			06/11/20 22:16	1.34
1,2-Dichloroethane	ND		0.54		ppb v/v			06/11/20 22:16	1.34
1,2-Dichloropropane	ND		0.54		ppb v/v			06/11/20 22:16	1.34
1,3,5-Trimethylbenzene	**2.9**		0.54		ppb v/v			06/11/20 22:16	1.34
1,3-Butadiene	ND		1.1		ppb v/v			06/11/20 22:16	1.34
1,3-Dichlorobenzene	ND		0.54		ppb v/v			06/11/20 22:16	1.34
1,4-Dichlorobenzene	ND		0.54		ppb v/v			06/11/20 22:16	1.34
1,4-Dioxane	ND		1.3		ppb v/v			06/11/20 22:16	1.34
2,2,4-Trimethylpentane	**9.3**		1.3		ppb v/v			06/11/20 22:16	1.34
2-Butanone	**9.8**		2.1		ppb v/v			06/11/20 22:16	1.34
2-Hexanone	ND		1.3		ppb v/v			06/11/20 22:16	1.34
2-Propanol	**880**	**E**	5.4		ppb v/v			06/11/20 22:16	1.34
3-Chloropropene	ND		0.54		ppb v/v			06/11/20 22:16	1.34
4-Ethyltoluene	**2.1**		1.1		ppb v/v			06/11/20 22:16	1.34
4-Methyl-2-pentanone (MIBK)	ND		1.3		ppb v/v			06/11/20 22:16	1.34
Acetone	**51**		13		ppb v/v			06/11/20 22:16	1.34
alpha-Chlorotoluene	ND		1.1		ppb v/v			06/11/20 22:16	1.34
Benzene	**2.9**		0.54		ppb v/v			06/11/20 22:16	1.34
Bromodichloromethane	ND		0.54		ppb v/v			06/11/20 22:16	1.34
Bromoform	ND		0.54		ppb v/v			06/11/20 22:16	1.34
Bromomethane	ND		0.54		ppb v/v			06/11/20 22:16	1.34
Carbon disulfide	**7.8**		1.3		ppb v/v			06/11/20 22:16	1.34
Carbon tetrachloride	ND		0.21		ppb v/v			06/11/20 22:16	1.34
Chlorobenzene	ND		0.54		ppb v/v			06/11/20 22:16	1.34
Chloroethane	ND		0.54		ppb v/v			06/11/20 22:16	1.34
Chloroform	ND		0.54		ppb v/v			06/11/20 22:16	1.34
Chloromethane	ND		1.3		ppb v/v			06/11/20 22:16	1.34
cis-1,2-Dichloroethene	**4.5**		0.27		ppb v/v			06/11/20 22:16	1.34
cis-1,3-Dichloropropene	ND		0.54		ppb v/v			06/11/20 22:16	1.34
Cumene	ND		1.1		ppb v/v			06/11/20 22:16	1.34
Cyclohexane	**4.1**		1.3		ppb v/v			06/11/20 22:16	1.34
Dibromochloromethane	ND		0.54		ppb v/v			06/11/20 22:16	1.34
Ethanol	**200**		13		ppb v/v			06/11/20 22:16	1.34
Ethylbenzene	**5.7**		0.54		ppb v/v			06/11/20 22:16	1.34
Freon 11	ND		0.54		ppb v/v			06/11/20 22:16	1.34
Freon 113	ND		0.54		ppb v/v			06/11/20 22:16	1.34
Freon 12	ND	*	0.54		ppb v/v			06/11/20 22:16	1.34
Freon-114	ND	*	0.54		ppb v/v			06/11/20 22:16	1.34
Heptane	**5.3**		1.3		ppb v/v			06/11/20 22:16	1.34
Hexachlorobutadiene	ND		0.54		ppb v/v			06/11/20 22:16	1.34

Client Sample ID: SVE EFF
Lab Sample ID: 140-19327-2

Date Collected: 06/04/20 11:44
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	**8.7**		1.3		ppb v/v			06/11/20 22:16	1.34
Methyl tert-butyl ether	ND		1.1		ppb v/v			06/11/20 22:16	1.34
Methylene Chloride	ND		2.7		ppb v/v			06/11/20 22:16	1.34
m-Xylene & p-Xylene	**19**		0.54		ppb v/v			06/11/20 22:16	1.34
o-Xylene	**7.6**		0.54		ppb v/v			06/11/20 22:16	1.34
Propylbenzene	**1.5**		1.1		ppb v/v			06/11/20 22:16	1.34
Styrene	ND		0.54		ppb v/v			06/11/20 22:16	1.34
Tetrachloroethene	ND		0.54		ppb v/v			06/11/20 22:16	1.34
Tetrahydrofuran	**5.6**		2.7		ppb v/v			06/11/20 22:16	1.34
Toluene	**25**		0.80		ppb v/v			06/11/20 22:16	1.34
trans-1,2-Dichloroethene	ND		0.54		ppb v/v			06/11/20 22:16	1.34
trans-1,3-Dichloropropene	ND		0.54		ppb v/v			06/11/20 22:16	1.34
Trichloroethene	ND		0.24		ppb v/v			06/11/20 22:16	1.34
Vinyl chloride	ND		0.27		ppb v/v			06/11/20 22:16	1.34

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.9		ug/m3			06/11/20 22:16	1.34
1,1,2,2-Tetrachloroethane	ND		3.7		ug/m3			06/11/20 22:16	1.34
1,1,2-Trichloroethane	ND		2.9		ug/m3			06/11/20 22:16	1.34
1,1-Dichloroethane	ND		2.2		ug/m3			06/11/20 22:16	1.34
1,1-Dichloroethene	ND		1.1		ug/m3			06/11/20 22:16	1.34
1,2,4-Trichlorobenzene	ND		4.0		ug/m3			06/11/20 22:16	1.34
1,2,4-Trimethylbenzene	**39**		2.6		ug/m3			06/11/20 22:16	1.34
1,2-Dibromoethane	ND		4.1		ug/m3			06/11/20 22:16	1.34
1,2-Dichlorobenzene	ND		3.2		ug/m3			06/11/20 22:16	1.34
1,2-Dichloroethane	ND		2.2		ug/m3			06/11/20 22:16	1.34
1,2-Dichloropropane	ND		2.5		ug/m3			06/11/20 22:16	1.34
1,3,5-Trimethylbenzene	**14**		2.6		ug/m3			06/11/20 22:16	1.34
1,3-Butadiene	ND		2.4		ug/m3			06/11/20 22:16	1.34
1,3-Dichlorobenzene	ND		3.2		ug/m3			06/11/20 22:16	1.34
1,4-Dichlorobenzene	ND		3.2		ug/m3			06/11/20 22:16	1.34
1,4-Dioxane	ND		4.8		ug/m3			06/11/20 22:16	1.34
2,2,4-Trimethylpentane	**43**		6.3		ug/m3			06/11/20 22:16	1.34
2-Butanone	**29**		6.3		ug/m3			06/11/20 22:16	1.34
2-Hexanone	ND		5.5		ug/m3			06/11/20 22:16	1.34
2-Propanol	**2200**	**E**	13		ug/m3			06/11/20 22:16	1.34
3-Chloropropene	ND		1.7		ug/m3			06/11/20 22:16	1.34
4-Ethyltoluene	**10**		5.3		ug/m3			06/11/20 22:16	1.34
4-Methyl-2-pentanone (MIBK)	ND		5.5		ug/m3			06/11/20 22:16	1.34
Acetone	**120**		32		ug/m3			06/11/20 22:16	1.34
alpha-Chlorotoluene	ND		5.5		ug/m3			06/11/20 22:16	1.34
Benzene	**9.2**		1.7		ug/m3			06/11/20 22:16	1.34
Bromodichloromethane	ND		3.6		ug/m3			06/11/20 22:16	1.34
Bromoform	ND		5.5		ug/m3			06/11/20 22:16	1.34
Bromomethane	ND		2.1		ug/m3			06/11/20 22:16	1.34
Carbon disulfide	**24**		4.2		ug/m3			06/11/20 22:16	1.34
Carbon tetrachloride	ND		1.3		ug/m3			06/11/20 22:16	1.34
Chlorobenzene	ND		2.5		ug/m3			06/11/20 22:16	1.34
Chloroethane	ND		1.4		ug/m3			06/11/20 22:16	1.34

Client Sample ID: SVE EFF
Lab Sample ID: 140-19327-2

Date Collected: 06/04/20 11:44
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		2.6		ug/m3			06/11/20 22:16	1.34
Chloromethane	ND		2.8		ug/m3			06/11/20 22:16	1.34
cis-1,2-Dichloroethene	**18**		1.1		ug/m3			06/11/20 22:16	1.34
cis-1,3-Dichloropropene	ND		2.4		ug/m3			06/11/20 22:16	1.34
Cumene	ND		5.3		ug/m3			06/11/20 22:16	1.34
Cyclohexane	**14**		4.6		ug/m3			06/11/20 22:16	1.34
Dibromochloromethane	ND		4.6		ug/m3			06/11/20 22:16	1.34
Ethanol	**380**		25		ug/m3			06/11/20 22:16	1.34
Ethylbenzene	**25**		2.3		ug/m3			06/11/20 22:16	1.34
Freon 11	ND		3.0		ug/m3			06/11/20 22:16	1.34
Freon 113	ND		4.1		ug/m3			06/11/20 22:16	1.34
Freon 12	ND	*	2.7		ug/m3			06/11/20 22:16	1.34
Freon-114	ND	*	3.7		ug/m3			06/11/20 22:16	1.34
Heptane	**22**		5.5		ug/m3			06/11/20 22:16	1.34
Hexachlorobutadiene	ND		5.7		ug/m3			06/11/20 22:16	1.34
Hexane	**31**		4.7		ug/m3			06/11/20 22:16	1.34
Methyl tert-butyl ether	ND		3.9		ug/m3			06/11/20 22:16	1.34
Methylene Chloride	ND		9.3		ug/m3			06/11/20 22:16	1.34
m-Xylene & p-Xylene	**82**		2.3		ug/m3			06/11/20 22:16	1.34
o-Xylene	**33**		2.3		ug/m3			06/11/20 22:16	1.34
Propylbenzene	**7.2**		5.3		ug/m3			06/11/20 22:16	1.34
Styrene	ND		2.3		ug/m3			06/11/20 22:16	1.34
Tetrachloroethene	ND		3.6		ug/m3			06/11/20 22:16	1.34
Tetrahydrofuran	**17**		7.9		ug/m3			06/11/20 22:16	1.34
Toluene	**94**		3.0		ug/m3			06/11/20 22:16	1.34
trans-1,2-Dichloroethene	ND		2.1		ug/m3			06/11/20 22:16	1.34
trans-1,3-Dichloropropene	ND		2.4		ug/m3			06/11/20 22:16	1.34
Trichloroethene	ND		1.3		ug/m3			06/11/20 22:16	1.34
Vinyl chloride	ND		0.69		ug/m3			06/11/20 22:16	1.34

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 140*		*06/11/20 22:16*	*1.34*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	**960**	**D**	21		ppb v/v			06/15/20 20:52	1.34

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	**2400**	**D**	53		ug/m3			06/15/20 20:52	1.34

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 140*		*06/15/20 20:52*	*1.34*

Client Sample ID: OFFSITE DDC INF
Lab Sample ID: 140-19327-3

Date Collected: 06/04/20 12:18
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.1		ppb v/v			06/11/20 23:03	1.4
1,1,2,2-Tetrachloroethane	ND		1.1		ppb v/v			06/11/20 23:03	1.4
1,1,2-Trichloroethane	ND		1.1		ppb v/v			06/11/20 23:03	1.4
1,1-Dichloroethane	ND		1.1		ppb v/v			06/11/20 23:03	1.4
1,1-Dichloroethene	**0.85**		0.56		ppb v/v			06/11/20 23:03	1.4
1,2,4-Trichlorobenzene	ND		1.1		ppb v/v			06/11/20 23:03	1.4
1,2,4-Trimethylbenzene	**7.5**		1.1		ppb v/v			06/11/20 23:03	1.4
1,2-Dibromoethane	ND		1.1		ppb v/v			06/11/20 23:03	1.4
1,2-Dichlorobenzene	ND		1.1		ppb v/v			06/11/20 23:03	1.4
1,2-Dichloroethane	ND		1.1		ppb v/v			06/11/20 23:03	1.4
1,2-Dichloropropane	ND		1.1		ppb v/v			06/11/20 23:03	1.4
1,3,5-Trimethylbenzene	**2.4**		1.1		ppb v/v			06/11/20 23:03	1.4
1,3-Butadiene	ND		2.2		ppb v/v			06/11/20 23:03	1.4
1,3-Dichlorobenzene	ND		1.1		ppb v/v			06/11/20 23:03	1.4
1,4-Dichlorobenzene	ND		1.1		ppb v/v			06/11/20 23:03	1.4
1,4-Dioxane	ND		2.8		ppb v/v			06/11/20 23:03	1.4
2,2,4-Trimethylpentane	**11**		2.8		ppb v/v			06/11/20 23:03	1.4
2-Butanone	**8.4**		4.5		ppb v/v			06/11/20 23:03	1.4
2-Hexanone	ND		2.8		ppb v/v			06/11/20 23:03	1.4
2-Propanol	**770**	**E**	11		ppb v/v			06/11/20 23:03	1.4
3-Chloropropene	ND		1.1		ppb v/v			06/11/20 23:03	1.4
4-Ethyltoluene	**2.4**		2.2		ppb v/v			06/11/20 23:03	1.4
4-Methyl-2-pentanone (MIBK)	ND		2.8		ppb v/v			06/11/20 23:03	1.4
Acetone	**47**		28		ppb v/v			06/11/20 23:03	1.4
alpha-Chlorotoluene	ND		2.2		ppb v/v			06/11/20 23:03	1.4
Benzene	**4.0**		1.1		ppb v/v			06/11/20 23:03	1.4
Bromodichloromethane	ND		1.1		ppb v/v			06/11/20 23:03	1.4
Bromoform	ND		1.1		ppb v/v			06/11/20 23:03	1.4
Bromomethane	ND		1.1		ppb v/v			06/11/20 23:03	1.4
Carbon disulfide	ND		2.8		ppb v/v			06/11/20 23:03	1.4
Carbon tetrachloride	ND		0.45		ppb v/v			06/11/20 23:03	1.4
Chlorobenzene	ND		1.1		ppb v/v			06/11/20 23:03	1.4
Chloroethane	ND		1.1		ppb v/v			06/11/20 23:03	1.4
Chloroform	**1.2**		1.1		ppb v/v			06/11/20 23:03	1.4
Chloromethane	ND		2.8		ppb v/v			06/11/20 23:03	1.4
cis-1,2-Dichloroethene	**25**		0.56		ppb v/v			06/11/20 23:03	1.4
cis-1,3-Dichloropropene	ND		1.1		ppb v/v			06/11/20 23:03	1.4
Cumene	ND		2.2		ppb v/v			06/11/20 23:03	1.4
Cyclohexane	**5.3**		2.8		ppb v/v			06/11/20 23:03	1.4
Dibromochloromethane	ND		1.1		ppb v/v			06/11/20 23:03	1.4
Ethanol	**210**		28		ppb v/v			06/11/20 23:03	1.4
Ethylbenzene	**5.7**		1.1		ppb v/v			06/11/20 23:03	1.4
Freon 11	ND		1.1		ppb v/v			06/11/20 23:03	1.4
Freon 113	ND		1.1		ppb v/v			06/11/20 23:03	1.4
Freon 12	ND	*	1.1		ppb v/v			06/11/20 23:03	1.4
Freon-114	ND	*	1.1		ppb v/v			06/11/20 23:03	1.4
Heptane	**7.5**		2.8		ppb v/v			06/11/20 23:03	1.4
Hexachlorobutadiene	ND		1.1		ppb v/v			06/11/20 23:03	1.4

Client Sample ID: OFFSITE DDC INF
Lab Sample ID: 140-19327-3

Date Collected: 06/04/20 12:18
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	**12**		2.8		ppb v/v			06/11/20 23:03	1.4
Methyl tert-butyl ether	ND		2.2		ppb v/v			06/11/20 23:03	1.4
Methylene Chloride	ND		5.6		ppb v/v			06/11/20 23:03	1.4
m-Xylene & p-Xylene	**19**		1.1		ppb v/v			06/11/20 23:03	1.4
o-Xylene	**7.5**		1.1		ppb v/v			06/11/20 23:03	1.4
Propylbenzene	ND		2.2		ppb v/v			06/11/20 23:03	1.4
Styrene	ND		1.1		ppb v/v			06/11/20 23:03	1.4
Tetrachloroethene	ND		1.1		ppb v/v			06/11/20 23:03	1.4
Tetrahydrofuran	ND		5.6		ppb v/v			06/11/20 23:03	1.4
Toluene	**29**		1.7		ppb v/v			06/11/20 23:03	1.4
trans-1,2-Dichloroethene	ND		1.1		ppb v/v			06/11/20 23:03	1.4
trans-1,3-Dichloropropene	ND		1.1		ppb v/v			06/11/20 23:03	1.4
Trichloroethene	ND		0.50		ppb v/v			06/11/20 23:03	1.4
Vinyl chloride	**0.76**		0.56		ppb v/v			06/11/20 23:03	1.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6.1		ug/m3			06/11/20 23:03	1.4
1,1,2,2-Tetrachloroethane	ND		7.7		ug/m3			06/11/20 23:03	1.4
1,1,2-Trichloroethane	ND		6.1		ug/m3			06/11/20 23:03	1.4
1,1-Dichloroethane	ND		4.5		ug/m3			06/11/20 23:03	1.4
1,1-Dichloroethene	**3.4**		2.2		ug/m3			06/11/20 23:03	1.4
1,2,4-Trichlorobenzene	ND		8.3		ug/m3			06/11/20 23:03	1.4
1,2,4-Trimethylbenzene	**37**		5.5		ug/m3			06/11/20 23:03	1.4
1,2-Dibromoethane	ND		8.6		ug/m3			06/11/20 23:03	1.4
1,2-Dichlorobenzene	ND		6.7		ug/m3			06/11/20 23:03	1.4
1,2-Dichloroethane	ND		4.5		ug/m3			06/11/20 23:03	1.4
1,2-Dichloropropane	ND		5.2		ug/m3			06/11/20 23:03	1.4
1,3,5-Trimethylbenzene	**12**		5.5		ug/m3			06/11/20 23:03	1.4
1,3-Butadiene	ND		5.0		ug/m3			06/11/20 23:03	1.4
1,3-Dichlorobenzene	ND		6.7		ug/m3			06/11/20 23:03	1.4
1,4-Dichlorobenzene	ND		6.7		ug/m3			06/11/20 23:03	1.4
1,4-Dioxane	ND		10		ug/m3			06/11/20 23:03	1.4
2,2,4-Trimethylpentane	**52**		13		ug/m3			06/11/20 23:03	1.4
2-Butanone	**25**		13		ug/m3			06/11/20 23:03	1.4
2-Hexanone	ND		11		ug/m3			06/11/20 23:03	1.4
2-Propanol	**1900**	**E**	28		ug/m3			06/11/20 23:03	1.4
3-Chloropropene	ND		3.5		ug/m3			06/11/20 23:03	1.4
4-Ethyltoluene	**12**		11		ug/m3			06/11/20 23:03	1.4
4-Methyl-2-pentanone (MIBK)	ND		11		ug/m3			06/11/20 23:03	1.4
Acetone	**110**		67		ug/m3			06/11/20 23:03	1.4
alpha-Chlorotoluene	ND		12		ug/m3			06/11/20 23:03	1.4
Benzene	**13**		3.6		ug/m3			06/11/20 23:03	1.4
Bromodichloromethane	ND		7.5		ug/m3			06/11/20 23:03	1.4
Bromoform	ND		12		ug/m3			06/11/20 23:03	1.4
Bromomethane	ND		4.3		ug/m3			06/11/20 23:03	1.4
Carbon disulfide	ND		8.7		ug/m3			06/11/20 23:03	1.4
Carbon tetrachloride	ND		2.8		ug/m3			06/11/20 23:03	1.4
Chlorobenzene	ND		5.2		ug/m3			06/11/20 23:03	1.4
Chloroethane	ND		3.0		ug/m3			06/11/20 23:03	1.4

Client Sample ID: OFFSITE DDC INF
Lab Sample ID: 140-19327-3

Date Collected: 06/04/20 12:18
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	**6.0**		5.5		ug/m3			06/11/20 23:03	1.4
Chloromethane	ND		5.8		ug/m3			06/11/20 23:03	1.4
cis-1,2-Dichloroethene	**98**		2.2		ug/m3			06/11/20 23:03	1.4
cis-1,3-Dichloropropene	ND		5.1		ug/m3			06/11/20 23:03	1.4
Cumene	ND		11		ug/m3			06/11/20 23:03	1.4
Cyclohexane	**18**		9.6		ug/m3			06/11/20 23:03	1.4
Dibromochloromethane	ND		9.5		ug/m3			06/11/20 23:03	1.4
Ethanol	**400**		53		ug/m3			06/11/20 23:03	1.4
Ethylbenzene	**25**		4.9		ug/m3			06/11/20 23:03	1.4
Freon 11	ND		6.3		ug/m3			06/11/20 23:03	1.4
Freon 113	ND		8.6		ug/m3			06/11/20 23:03	1.4
Freon 12	ND	*	5.5		ug/m3			06/11/20 23:03	1.4
Freon-114	ND	*	7.8		ug/m3			06/11/20 23:03	1.4
Heptane	**31**		11		ug/m3			06/11/20 23:03	1.4
Hexachlorobutadiene	ND		12		ug/m3			06/11/20 23:03	1.4
Hexane	**41**		9.9		ug/m3			06/11/20 23:03	1.4
Methyl tert-butyl ether	ND		8.1		ug/m3			06/11/20 23:03	1.4
Methylene Chloride	ND		19		ug/m3			06/11/20 23:03	1.4
m-Xylene & p-Xylene	**81**		4.9		ug/m3			06/11/20 23:03	1.4
o-Xylene	**32**		4.9		ug/m3			06/11/20 23:03	1.4
Propylbenzene	ND		11		ug/m3			06/11/20 23:03	1.4
Styrene	ND		4.8		ug/m3			06/11/20 23:03	1.4
Tetrachloroethene	ND		7.6		ug/m3			06/11/20 23:03	1.4
Tetrahydrofuran	ND		17		ug/m3			06/11/20 23:03	1.4
Toluene	**110**		6.3		ug/m3			06/11/20 23:03	1.4
trans-1,2-Dichloroethene	ND		4.4		ug/m3			06/11/20 23:03	1.4
trans-1,3-Dichloropropene	ND		5.1		ug/m3			06/11/20 23:03	1.4
Trichloroethene	ND		2.7		ug/m3			06/11/20 23:03	1.4
Vinyl chloride	**1.9**		1.4		ug/m3			06/11/20 23:03	1.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 140*		*06/11/20 23:03*	*1.4*

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
2-Propanol	**840**	**D**	22		ppb v/v			06/15/20 21:44	1.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	**2100**	**D**	55		ug/m3			06/15/20 21:44	1.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 140*		*06/15/20 21:44*	*1.4*

Client Sample ID: OFFSITE DDC MID-1
Lab Sample ID: 140-19327-4

Date Collected: 06/04/20 12:24
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.24		ppb v/v			06/12/20 13:29	4.7
1,1,2,2-Tetrachloroethane	ND		0.24		ppb v/v			06/12/20 13:29	4.7
1,1,2-Trichloroethane	ND		0.24		ppb v/v			06/12/20 13:29	4.7
1,1-Dichloroethane	ND		0.24		ppb v/v			06/12/20 13:29	4.7
1,1-Dichloroethene	ND		0.12		ppb v/v			06/12/20 13:29	4.7
1,2,4-Trichlorobenzene	ND		0.24		ppb v/v			06/12/20 13:29	4.7
1,2,4-Trimethylbenzene	**1.1**		0.24		ppb v/v			06/12/20 13:29	4.7
1,2-Dibromoethane	ND		0.24		ppb v/v			06/12/20 13:29	4.7
1,2-Dichlorobenzene	ND		0.24		ppb v/v			06/12/20 13:29	4.7
1,2-Dichloroethane	ND		0.24		ppb v/v			06/12/20 13:29	4.7
1,2-Dichloropropane	ND		0.24		ppb v/v			06/12/20 13:29	4.7
1,3,5-Trimethylbenzene	**0.40**		0.24		ppb v/v			06/12/20 13:29	4.7
1,3-Butadiene	ND		0.47		ppb v/v			06/12/20 13:29	4.7
1,3-Dichlorobenzene	ND		0.24		ppb v/v			06/12/20 13:29	4.7
1,4-Dichlorobenzene	ND		0.24		ppb v/v			06/12/20 13:29	4.7
1,4-Dioxane	ND		0.59		ppb v/v			06/12/20 13:29	4.7
2,2,4-Trimethylpentane	**1.2**		0.59		ppb v/v			06/12/20 13:29	4.7
2-Butanone	**2.2**		0.94		ppb v/v			06/12/20 13:29	4.7
2-Hexanone	ND		0.59		ppb v/v			06/12/20 13:29	4.7
2-Propanol	**280**	**E**	2.4		ppb v/v			06/12/20 13:29	4.7
3-Chloropropene	ND		0.24		ppb v/v			06/12/20 13:29	4.7
4-Ethyltoluene	ND		0.47		ppb v/v			06/12/20 13:29	4.7
4-Methyl-2-pentanone (MIBK)	ND		0.59		ppb v/v			06/12/20 13:29	4.7
Acetone	**21**		5.9		ppb v/v			06/12/20 13:29	4.7
alpha-Chlorotoluene	ND		0.47		ppb v/v			06/12/20 13:29	4.7
Benzene	**0.45**		0.24		ppb v/v			06/12/20 13:29	4.7
Bromodichloromethane	ND		0.24		ppb v/v			06/12/20 13:29	4.7
Bromoform	ND		0.24		ppb v/v			06/12/20 13:29	4.7
Bromomethane	ND		0.24		ppb v/v			06/12/20 13:29	4.7
Carbon disulfide	ND		0.59		ppb v/v			06/12/20 13:29	4.7
Carbon tetrachloride	ND		0.094		ppb v/v			06/12/20 13:29	4.7
Chlorobenzene	ND		0.24		ppb v/v			06/12/20 13:29	4.7
Chloroethane	ND		0.24		ppb v/v			06/12/20 13:29	4.7
Chloroform	ND		0.24		ppb v/v			06/12/20 13:29	4.7
Chloromethane	**0.92**		0.59		ppb v/v			06/12/20 13:29	4.7
cis-1,2-Dichloroethene	ND		0.12		ppb v/v			06/12/20 13:29	4.7
cis-1,3-Dichloropropene	ND		0.24		ppb v/v			06/12/20 13:29	4.7
Cumene	ND		0.47		ppb v/v			06/12/20 13:29	4.7
Cyclohexane	ND		0.59		ppb v/v			06/12/20 13:29	4.7
Dibromochloromethane	ND		0.24		ppb v/v			06/12/20 13:29	4.7
Ethanol	**95**		5.9		ppb v/v			06/12/20 13:29	4.7
Ethylbenzene	**0.73**		0.24		ppb v/v			06/12/20 13:29	4.7
Freon 11	**0.29**		0.24		ppb v/v			06/12/20 13:29	4.7
Freon 113	ND		0.24		ppb v/v			06/12/20 13:29	4.7
Freon 12	**0.24**		0.24		ppb v/v			06/12/20 13:29	4.7
Freon-114	ND		0.24		ppb v/v			06/12/20 13:29	4.7
Heptane	ND		0.59		ppb v/v			06/12/20 13:29	4.7
Hexachlorobutadiene	ND		0.24		ppb v/v			06/12/20 13:29	4.7

Client Sample ID: OFFSITE DDC MID-1
Lab Sample ID: 140-19327-4

Date Collected: 06/04/20 12:24
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	**2.0**		0.59		ppb v/v			06/12/20 13:29	4.7
Methyl tert-butyl ether	ND		0.47		ppb v/v			06/12/20 13:29	4.7
Methylene Chloride	**3.6**		1.2		ppb v/v			06/12/20 13:29	4.7
m-Xylene & p-Xylene	**3.0**		0.24		ppb v/v			06/12/20 13:29	4.7
o-Xylene	**1.2**		0.24		ppb v/v			06/12/20 13:29	4.7
Propylbenzene	ND		0.47		ppb v/v			06/12/20 13:29	4.7
Styrene	ND		0.24		ppb v/v			06/12/20 13:29	4.7
Tetrachloroethene	ND		0.24		ppb v/v			06/12/20 13:29	4.7
Tetrahydrofuran	ND		1.2		ppb v/v			06/12/20 13:29	4.7
Toluene	**3.2**		0.35		ppb v/v			06/12/20 13:29	4.7
trans-1,2-Dichloroethene	ND		0.24		ppb v/v			06/12/20 13:29	4.7
trans-1,3-Dichloropropene	ND		0.24		ppb v/v			06/12/20 13:29	4.7
Trichloroethene	ND		0.11		ppb v/v			06/12/20 13:29	4.7
Vinyl chloride	ND		0.12		ppb v/v			06/12/20 13:29	4.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.3		ug/m3			06/12/20 13:29	4.7
1,1,2,2-Tetrachloroethane	ND		1.6		ug/m3			06/12/20 13:29	4.7
1,1,2-Trichloroethane	ND		1.3		ug/m3			06/12/20 13:29	4.7
1,1-Dichloroethane	ND		0.95		ug/m3			06/12/20 13:29	4.7
1,1-Dichloroethene	ND		0.47		ug/m3			06/12/20 13:29	4.7
1,2,4-Trichlorobenzene	ND		1.7		ug/m3			06/12/20 13:29	4.7
1,2,4-Trimethylbenzene	**5.2**		1.2		ug/m3			06/12/20 13:29	4.7
1,2-Dibromoethane	ND		1.8		ug/m3			06/12/20 13:29	4.7
1,2-Dichlorobenzene	ND		1.4		ug/m3			06/12/20 13:29	4.7
1,2-Dichloroethane	ND		0.95		ug/m3			06/12/20 13:29	4.7
1,2-Dichloropropane	ND		1.1		ug/m3			06/12/20 13:29	4.7
1,3,5-Trimethylbenzene	**2.0**		1.2		ug/m3			06/12/20 13:29	4.7
1,3-Butadiene	ND		1.0		ug/m3			06/12/20 13:29	4.7
1,3-Dichlorobenzene	ND		1.4		ug/m3			06/12/20 13:29	4.7
1,4-Dichlorobenzene	ND		1.4		ug/m3			06/12/20 13:29	4.7
1,4-Dioxane	ND		2.1		ug/m3			06/12/20 13:29	4.7
2,2,4-Trimethylpentane	**5.6**		2.7		ug/m3			06/12/20 13:29	4.7
2-Butanone	**6.6**		2.8		ug/m3			06/12/20 13:29	4.7
2-Hexanone	ND		2.4		ug/m3			06/12/20 13:29	4.7
2-Propanol	**690**	**E**	5.8		ug/m3			06/12/20 13:29	4.7
3-Chloropropene	ND		0.74		ug/m3			06/12/20 13:29	4.7
4-Ethyltoluene	ND		2.3		ug/m3			06/12/20 13:29	4.7
4-Methyl-2-pentanone (MIBK)	ND		2.4		ug/m3			06/12/20 13:29	4.7
Acetone	**49**		14		ug/m3			06/12/20 13:29	4.7
alpha-Chlorotoluene	ND		2.4		ug/m3			06/12/20 13:29	4.7
Benzene	**1.5**		0.75		ug/m3			06/12/20 13:29	4.7
Bromodichloromethane	ND		1.6		ug/m3			06/12/20 13:29	4.7
Bromoform	ND		2.4		ug/m3			06/12/20 13:29	4.7
Bromomethane	ND		0.91		ug/m3			06/12/20 13:29	4.7
Carbon disulfide	ND		1.8		ug/m3			06/12/20 13:29	4.7
Carbon tetrachloride	ND		0.59		ug/m3			06/12/20 13:29	4.7
Chlorobenzene	ND		1.1		ug/m3			06/12/20 13:29	4.7
Chloroethane	ND		0.62		ug/m3			06/12/20 13:29	4.7

Client Sample ID: OFFSITE DDC MID-1
Lab Sample ID: 140-19327-4

Date Collected: 06/04/20 12:24
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.1		ug/m3			06/12/20 13:29	4.7
Chloromethane	**1.9**		1.2		ug/m3			06/12/20 13:29	4.7
cis-1,2-Dichloroethene	ND		0.47		ug/m3			06/12/20 13:29	4.7
cis-1,3-Dichloropropene	ND		1.1		ug/m3			06/12/20 13:29	4.7
Cumene	ND		2.3		ug/m3			06/12/20 13:29	4.7
Cyclohexane	ND		2.0		ug/m3			06/12/20 13:29	4.7
Dibromochloromethane	ND		2.0		ug/m3			06/12/20 13:29	4.7
Ethanol	**180**		11		ug/m3			06/12/20 13:29	4.7
Ethylbenzene	**3.2**		1.0		ug/m3			06/12/20 13:29	4.7
Freon 11	**1.6**		1.3		ug/m3			06/12/20 13:29	4.7
Freon 113	ND		1.8		ug/m3			06/12/20 13:29	4.7
Freon 12	**1.2**		1.2		ug/m3			06/12/20 13:29	4.7
Freon-114	ND		1.6		ug/m3			06/12/20 13:29	4.7
Heptane	ND		2.4		ug/m3			06/12/20 13:29	4.7
Hexachlorobutadiene	ND		2.5		ug/m3			06/12/20 13:29	4.7
Hexane	**7.0**		2.1		ug/m3			06/12/20 13:29	4.7
Methyl tert-butyl ether	ND		1.7		ug/m3			06/12/20 13:29	4.7
Methylene Chloride	**13**		4.1		ug/m3			06/12/20 13:29	4.7
m-Xylene & p-Xylene	**13**		1.0		ug/m3			06/12/20 13:29	4.7
o-Xylene	**5.2**		1.0		ug/m3			06/12/20 13:29	4.7
Propylbenzene	ND		2.3		ug/m3			06/12/20 13:29	4.7
Styrene	ND		1.0		ug/m3			06/12/20 13:29	4.7
Tetrachloroethene	ND		1.6		ug/m3			06/12/20 13:29	4.7
Tetrahydrofuran	ND		3.5		ug/m3			06/12/20 13:29	4.7
Toluene	**12**		1.3		ug/m3			06/12/20 13:29	4.7
trans-1,2-Dichloroethene	ND		0.93		ug/m3			06/12/20 13:29	4.7
trans-1,3-Dichloropropene	ND		1.1		ug/m3			06/12/20 13:29	4.7
Trichloroethene	ND		0.57		ug/m3			06/12/20 13:29	4.7
Vinyl chloride	ND		0.30		ug/m3			06/12/20 13:29	4.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 140*		*06/12/20 13:29*	*4.7*

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
2-Propanol	**220**	**D**	13		ppb v/v			06/13/20 00:12	4.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	**530**	**D**	31		ug/m3			06/13/20 00:12	4.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 140*		*06/13/20 00:12*	*4.7*

Client Sample ID: OFFSITE DDC MID-2
Lab Sample ID: 140-19327-5

Date Collected: 06/04/20 12:27
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.82		ppb v/v			06/11/20 23:53	2.06
1,1,2,2-Tetrachloroethane	ND		0.82		ppb v/v			06/11/20 23:53	2.06
1,1,2-Trichloroethane	ND		0.82		ppb v/v			06/11/20 23:53	2.06
1,1-Dichloroethane	ND		0.82		ppb v/v			06/11/20 23:53	2.06
1,1-Dichloroethene	**0.41**		0.41		ppb v/v			06/11/20 23:53	2.06
1,2,4-Trichlorobenzene	ND		0.82		ppb v/v			06/11/20 23:53	2.06
1,2,4-Trimethylbenzene	**7.2**		0.82		ppb v/v			06/11/20 23:53	2.06
1,2-Dibromoethane	ND		0.82		ppb v/v			06/11/20 23:53	2.06
1,2-Dichlorobenzene	ND		0.82		ppb v/v			06/11/20 23:53	2.06
1,2-Dichloroethane	ND		0.82		ppb v/v			06/11/20 23:53	2.06
1,2-Dichloropropane	ND		0.82		ppb v/v			06/11/20 23:53	2.06
1,3,5-Trimethylbenzene	**2.2**		0.82		ppb v/v			06/11/20 23:53	2.06
1,3-Butadiene	ND		1.6		ppb v/v			06/11/20 23:53	2.06
1,3-Dichlorobenzene	ND		0.82		ppb v/v			06/11/20 23:53	2.06
1,4-Dichlorobenzene	ND		0.82		ppb v/v			06/11/20 23:53	2.06
1,4-Dioxane	ND		2.1		ppb v/v			06/11/20 23:53	2.06
2,2,4-Trimethylpentane	**14**		2.1		ppb v/v			06/11/20 23:53	2.06
2-Butanone	**9.7**		3.3		ppb v/v			06/11/20 23:53	2.06
2-Hexanone	ND		2.1		ppb v/v			06/11/20 23:53	2.06
2-Propanol	**960**	**E**	8.2		ppb v/v			06/11/20 23:53	2.06
3-Chloropropene	ND		0.82		ppb v/v			06/11/20 23:53	2.06
4-Ethyltoluene	**2.0**		1.6		ppb v/v			06/11/20 23:53	2.06
4-Methyl-2-pentanone (MIBK)	ND		2.1		ppb v/v			06/11/20 23:53	2.06
Acetone	**62**		21		ppb v/v			06/11/20 23:53	2.06
alpha-Chlorotoluene	ND		1.6		ppb v/v			06/11/20 23:53	2.06
Benzene	**4.9**		0.82		ppb v/v			06/11/20 23:53	2.06
Bromodichloromethane	ND		0.82		ppb v/v			06/11/20 23:53	2.06
Bromoform	ND		0.82		ppb v/v			06/11/20 23:53	2.06
Bromomethane	ND		0.82		ppb v/v			06/11/20 23:53	2.06
Carbon disulfide	ND		2.1		ppb v/v			06/11/20 23:53	2.06
Carbon tetrachloride	ND		0.33		ppb v/v			06/11/20 23:53	2.06
Chlorobenzene	ND		0.82		ppb v/v			06/11/20 23:53	2.06
Chloroethane	ND		0.82		ppb v/v			06/11/20 23:53	2.06
Chloroform	ND		0.82		ppb v/v			06/11/20 23:53	2.06
Chloromethane	ND		2.1		ppb v/v			06/11/20 23:53	2.06
cis-1,2-Dichloroethene	**2.5**		0.41		ppb v/v			06/11/20 23:53	2.06
cis-1,3-Dichloropropene	ND		0.82		ppb v/v			06/11/20 23:53	2.06
Cumene	ND		1.6		ppb v/v			06/11/20 23:53	2.06
Cyclohexane	**6.5**		2.1		ppb v/v			06/11/20 23:53	2.06
Dibromochloromethane	ND		0.82		ppb v/v			06/11/20 23:53	2.06
Ethanol	**280**		21		ppb v/v			06/11/20 23:53	2.06
Ethylbenzene	**5.4**		0.82		ppb v/v			06/11/20 23:53	2.06
Freon 11	ND		0.82		ppb v/v			06/11/20 23:53	2.06
Freon 113	ND		0.82		ppb v/v			06/11/20 23:53	2.06
Freon 12	ND	*	0.82		ppb v/v			06/11/20 23:53	2.06
Freon-114	ND	*	0.82		ppb v/v			06/11/20 23:53	2.06
Heptane	**8.3**		2.1		ppb v/v			06/11/20 23:53	2.06
Hexachlorobutadiene	ND		0.82		ppb v/v			06/11/20 23:53	2.06

Client Sample ID: OFFSITE DDC MID-2
Lab Sample ID: 140-19327-5

Date Collected: 06/04/20 12:27
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	**16**		2.1		ppb v/v			06/11/20 23:53	2.06
Methyl tert-butyl ether	ND		1.6		ppb v/v			06/11/20 23:53	2.06
Methylene Chloride	ND		4.1		ppb v/v			06/11/20 23:53	2.06
m-Xylene & p-Xylene	**18**		0.82		ppb v/v			06/11/20 23:53	2.06
o-Xylene	**7.0**		0.82		ppb v/v			06/11/20 23:53	2.06
Propylbenzene	ND		1.6		ppb v/v			06/11/20 23:53	2.06
Styrene	ND		0.82		ppb v/v			06/11/20 23:53	2.06
Tetrachloroethene	ND		0.82		ppb v/v			06/11/20 23:53	2.06
Tetrahydrofuran	**5.6**		4.1		ppb v/v			06/11/20 23:53	2.06
Toluene	**27**		1.2		ppb v/v			06/11/20 23:53	2.06
trans-1,2-Dichloroethene	ND		0.82		ppb v/v			06/11/20 23:53	2.06
trans-1,3-Dichloropropene	ND		0.82		ppb v/v			06/11/20 23:53	2.06
Trichloroethene	ND		0.37		ppb v/v			06/11/20 23:53	2.06
Vinyl chloride	**0.51**		0.41		ppb v/v			06/11/20 23:53	2.06

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.5		ug/m3			06/11/20 23:53	2.06
1,1,2,2-Tetrachloroethane	ND		5.7		ug/m3			06/11/20 23:53	2.06
1,1,2-Trichloroethane	ND		4.5		ug/m3			06/11/20 23:53	2.06
1,1-Dichloroethane	ND		3.3		ug/m3			06/11/20 23:53	2.06
1,1-Dichloroethene	**1.6**		1.6		ug/m3			06/11/20 23:53	2.06
1,2,4-Trichlorobenzene	ND		6.1		ug/m3			06/11/20 23:53	2.06
1,2,4-Trimethylbenzene	**36**		4.1		ug/m3			06/11/20 23:53	2.06
1,2-Dibromoethane	ND		6.3		ug/m3			06/11/20 23:53	2.06
1,2-Dichlorobenzene	ND		5.0		ug/m3			06/11/20 23:53	2.06
1,2-Dichloroethane	ND		3.3		ug/m3			06/11/20 23:53	2.06
1,2-Dichloropropane	ND		3.8		ug/m3			06/11/20 23:53	2.06
1,3,5-Trimethylbenzene	**11**		4.1		ug/m3			06/11/20 23:53	2.06
1,3-Butadiene	ND		3.6		ug/m3			06/11/20 23:53	2.06
1,3-Dichlorobenzene	ND		5.0		ug/m3			06/11/20 23:53	2.06
1,4-Dichlorobenzene	ND		5.0		ug/m3			06/11/20 23:53	2.06
1,4-Dioxane	ND		7.4		ug/m3			06/11/20 23:53	2.06
2,2,4-Trimethylpentane	**64**		9.6		ug/m3			06/11/20 23:53	2.06
2-Butanone	**29**		9.7		ug/m3			06/11/20 23:53	2.06
2-Hexanone	ND		8.4		ug/m3			06/11/20 23:53	2.06
2-Propanol	**2400**	**E**	20		ug/m3			06/11/20 23:53	2.06
3-Chloropropene	ND		2.6		ug/m3			06/11/20 23:53	2.06
4-Ethyltoluene	**9.7**		8.1		ug/m3			06/11/20 23:53	2.06
4-Methyl-2-pentanone (MIBK)	ND		8.4		ug/m3			06/11/20 23:53	2.06
Acetone	**150**		49		ug/m3			06/11/20 23:53	2.06
alpha-Chlorotoluene	ND		8.5		ug/m3			06/11/20 23:53	2.06
Benzene	**16**		2.6		ug/m3			06/11/20 23:53	2.06
Bromodichloromethane	ND		5.5		ug/m3			06/11/20 23:53	2.06
Bromoform	ND		8.5		ug/m3			06/11/20 23:53	2.06
Bromomethane	ND		3.2		ug/m3			06/11/20 23:53	2.06
Carbon disulfide	ND		6.4		ug/m3			06/11/20 23:53	2.06
Carbon tetrachloride	ND		2.1		ug/m3			06/11/20 23:53	2.06
Chlorobenzene	ND		3.8		ug/m3			06/11/20 23:53	2.06
Chloroethane	ND		2.2		ug/m3			06/11/20 23:53	2.06

Client Sample ID: OFFSITE DDC MID-2
Lab Sample ID: 140-19327-5

Date Collected: 06/04/20 12:27
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		4.0		ug/m3			06/11/20 23:53	2.06
Chloromethane	ND		4.3		ug/m3			06/11/20 23:53	2.06
cis-1,2-Dichloroethene	**9.8**		1.6		ug/m3			06/11/20 23:53	2.06
cis-1,3-Dichloropropene	ND		3.7		ug/m3			06/11/20 23:53	2.06
Cumene	ND		8.1		ug/m3			06/11/20 23:53	2.06
Cyclohexane	**22**		7.1		ug/m3			06/11/20 23:53	2.06
Dibromochloromethane	ND		7.0		ug/m3			06/11/20 23:53	2.06
Ethanol	**530**		39		ug/m3			06/11/20 23:53	2.06
Ethylbenzene	**23**		3.6		ug/m3			06/11/20 23:53	2.06
Freon 11	ND		4.6		ug/m3			06/11/20 23:53	2.06
Freon 113	ND		6.3		ug/m3			06/11/20 23:53	2.06
Freon 12	ND	*	4.1		ug/m3			06/11/20 23:53	2.06
Freon-114	ND	*	5.8		ug/m3			06/11/20 23:53	2.06
Heptane	**34**		8.4		ug/m3			06/11/20 23:53	2.06
Hexachlorobutadiene	ND		8.8		ug/m3			06/11/20 23:53	2.06
Hexane	**55**		7.3		ug/m3			06/11/20 23:53	2.06
Methyl tert-butyl ether	ND		5.9		ug/m3			06/11/20 23:53	2.06
Methylene Chloride	ND		14		ug/m3			06/11/20 23:53	2.06
m-Xylene & p-Xylene	**78**		3.6		ug/m3			06/11/20 23:53	2.06
o-Xylene	**30**		3.6		ug/m3			06/11/20 23:53	2.06
Propylbenzene	ND		8.1		ug/m3			06/11/20 23:53	2.06
Styrene	ND		3.5		ug/m3			06/11/20 23:53	2.06
Tetrachloroethene	ND		5.6		ug/m3			06/11/20 23:53	2.06
Tetrahydrofuran	**16**		12		ug/m3			06/11/20 23:53	2.06
Toluene	**100**		4.7		ug/m3			06/11/20 23:53	2.06
trans-1,2-Dichloroethene	ND		3.3		ug/m3			06/11/20 23:53	2.06
trans-1,3-Dichloropropene	ND		3.7		ug/m3			06/11/20 23:53	2.06
Trichloroethene	ND		2.0		ug/m3			06/11/20 23:53	2.06
Vinyl chloride	**1.3**		1.1		ug/m3			06/11/20 23:53	2.06

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 140*		*06/11/20 23:53*	*2.06*

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
2-Propanol	**700**	**D**	33		ppb v/v			06/15/20 22:36	2.06

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	**1700**	**D**	81		ug/m3			06/15/20 22:36	2.06

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 140*		*06/15/20 22:36*	*2.06*

Client Sample ID: OFFSITE DDC EFF
Lab Sample ID: 140-19327-6

Date Collected: 06/04/20 12:30
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.64		ppb v/v			06/12/20 00:43	2.23
1,1,2,2-Tetrachloroethane	ND		0.64		ppb v/v			06/12/20 00:43	2.23
1,1,2-Trichloroethane	ND		0.64		ppb v/v			06/12/20 00:43	2.23
1,1-Dichloroethane	ND		0.64		ppb v/v			06/12/20 00:43	2.23
1,1-Dichloroethene	ND		0.32		ppb v/v			06/12/20 00:43	2.23
1,2,4-Trichlorobenzene	ND		0.64		ppb v/v			06/12/20 00:43	2.23
1,2,4-Trimethylbenzene	**5.6**		0.64		ppb v/v			06/12/20 00:43	2.23
1,2-Dibromoethane	ND		0.64		ppb v/v			06/12/20 00:43	2.23
1,2-Dichlorobenzene	ND		0.64		ppb v/v			06/12/20 00:43	2.23
1,2-Dichloroethane	ND		0.64		ppb v/v			06/12/20 00:43	2.23
1,2-Dichloropropane	ND		0.64		ppb v/v			06/12/20 00:43	2.23
1,3,5-Trimethylbenzene	**2.2**		0.64		ppb v/v			06/12/20 00:43	2.23
1,3-Butadiene	ND		1.3		ppb v/v			06/12/20 00:43	2.23
1,3-Dichlorobenzene	ND		0.64		ppb v/v			06/12/20 00:43	2.23
1,4-Dichlorobenzene	ND		0.64		ppb v/v			06/12/20 00:43	2.23
1,4-Dioxane	ND		1.6		ppb v/v			06/12/20 00:43	2.23
2,2,4-Trimethylpentane	**5.8**		1.6		ppb v/v			06/12/20 00:43	2.23
2-Butanone	**7.0**		2.5		ppb v/v			06/12/20 00:43	2.23
2-Hexanone	ND		1.6		ppb v/v			06/12/20 00:43	2.23
2-Propanol	**780**	**E**	6.4		ppb v/v			06/12/20 00:43	2.23
3-Chloropropene	ND		0.64		ppb v/v			06/12/20 00:43	2.23
4-Ethyltoluene	**1.6**		1.3		ppb v/v			06/12/20 00:43	2.23
4-Methyl-2-pentanone (MIBK)	ND		1.6		ppb v/v			06/12/20 00:43	2.23
Acetone	**51**		16		ppb v/v			06/12/20 00:43	2.23
alpha-Chlorotoluene	ND		1.3		ppb v/v			06/12/20 00:43	2.23
Benzene	**1.9**		0.64		ppb v/v			06/12/20 00:43	2.23
Bromodichloromethane	ND		0.64		ppb v/v			06/12/20 00:43	2.23
Bromoform	ND		0.64		ppb v/v			06/12/20 00:43	2.23
Bromomethane	ND		0.64		ppb v/v			06/12/20 00:43	2.23
Carbon disulfide	ND		1.6		ppb v/v			06/12/20 00:43	2.23
Carbon tetrachloride	ND		0.25		ppb v/v			06/12/20 00:43	2.23
Chlorobenzene	ND		0.64		ppb v/v			06/12/20 00:43	2.23
Chloroethane	ND		0.64		ppb v/v			06/12/20 00:43	2.23
Chloroform	ND		0.64		ppb v/v			06/12/20 00:43	2.23
Chloromethane	ND		1.6		ppb v/v			06/12/20 00:43	2.23
cis-1,2-Dichloroethene	**2.0**		0.32		ppb v/v			06/12/20 00:43	2.23
cis-1,3-Dichloropropene	ND		0.64		ppb v/v			06/12/20 00:43	2.23
Cumene	ND		1.3		ppb v/v			06/12/20 00:43	2.23
Cyclohexane	**1.8**		1.6		ppb v/v			06/12/20 00:43	2.23
Dibromochloromethane	ND		0.64		ppb v/v			06/12/20 00:43	2.23
Ethanol	**190**		16		ppb v/v			06/12/20 00:43	2.23
Ethylbenzene	**3.9**		0.64		ppb v/v			06/12/20 00:43	2.23
Freon 11	ND		0.64		ppb v/v			06/12/20 00:43	2.23
Freon 113	ND		0.64		ppb v/v			06/12/20 00:43	2.23
Freon 12	ND	*	0.64		ppb v/v			06/12/20 00:43	2.23
Freon-114	ND	*	0.64		ppb v/v			06/12/20 00:43	2.23
Heptane	**3.2**		1.6		ppb v/v			06/12/20 00:43	2.23
Hexachlorobutadiene	ND		0.64		ppb v/v			06/12/20 00:43	2.23

Client Sample ID: OFFSITE DDC EFF
Lab Sample ID: 140-19327-6

Date Collected: 06/04/20 12:30
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	**5.5**		1.6		ppb v/v			06/12/20 00:43	2.23
Methyl tert-butyl ether	ND		1.3		ppb v/v			06/12/20 00:43	2.23
Methylene Chloride	ND		3.2		ppb v/v			06/12/20 00:43	2.23
m-Xylene & p-Xylene	**14**		0.64		ppb v/v			06/12/20 00:43	2.23
o-Xylene	**5.1**		0.64		ppb v/v			06/12/20 00:43	2.23
Propylbenzene	ND		1.3		ppb v/v			06/12/20 00:43	2.23
Styrene	ND		0.64		ppb v/v			06/12/20 00:43	2.23
Tetrachloroethene	ND		0.64		ppb v/v			06/12/20 00:43	2.23
Tetrahydrofuran	**4.2**		3.2		ppb v/v			06/12/20 00:43	2.23
Toluene	**16**		0.96		ppb v/v			06/12/20 00:43	2.23
trans-1,2-Dichloroethene	ND		0.64		ppb v/v			06/12/20 00:43	2.23
trans-1,3-Dichloropropene	ND		0.64		ppb v/v			06/12/20 00:43	2.23
Trichloroethene	**1.0**		0.29		ppb v/v			06/12/20 00:43	2.23
Vinyl chloride	**0.37**		0.32		ppb v/v			06/12/20 00:43	2.23

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3.5		ug/m3			06/12/20 00:43	2.23
1,1,2,2-Tetrachloroethane	ND		4.4		ug/m3			06/12/20 00:43	2.23
1,1,2-Trichloroethane	ND		3.5		ug/m3			06/12/20 00:43	2.23
1,1-Dichloroethane	ND		2.6		ug/m3			06/12/20 00:43	2.23
1,1-Dichloroethene	ND		1.3		ug/m3			06/12/20 00:43	2.23
1,2,4-Trichlorobenzene	ND		4.7		ug/m3			06/12/20 00:43	2.23
1,2,4-Trimethylbenzene	**28**		3.1		ug/m3			06/12/20 00:43	2.23
1,2-Dibromoethane	ND		4.9		ug/m3			06/12/20 00:43	2.23
1,2-Dichlorobenzene	ND		3.8		ug/m3			06/12/20 00:43	2.23
1,2-Dichloroethane	ND		2.6		ug/m3			06/12/20 00:43	2.23
1,2-Dichloropropane	ND		2.9		ug/m3			06/12/20 00:43	2.23
1,3,5-Trimethylbenzene	**11**		3.1		ug/m3			06/12/20 00:43	2.23
1,3-Butadiene	ND		2.8		ug/m3			06/12/20 00:43	2.23
1,3-Dichlorobenzene	ND		3.8		ug/m3			06/12/20 00:43	2.23
1,4-Dichlorobenzene	ND		3.8		ug/m3			06/12/20 00:43	2.23
1,4-Dioxane	ND		5.7		ug/m3			06/12/20 00:43	2.23
2,2,4-Trimethylpentane	**27**		7.4		ug/m3			06/12/20 00:43	2.23
2-Butanone	**21**		7.5		ug/m3			06/12/20 00:43	2.23
2-Hexanone	ND		6.5		ug/m3			06/12/20 00:43	2.23
2-Propanol	**1900**	**E**	16		ug/m3			06/12/20 00:43	2.23
3-Chloropropene	ND		2.0		ug/m3			06/12/20 00:43	2.23
4-Ethyltoluene	**8.0**		6.3		ug/m3			06/12/20 00:43	2.23
4-Methyl-2-pentanone (MIBK)	ND		6.5		ug/m3			06/12/20 00:43	2.23
Acetone	**120**		38		ug/m3			06/12/20 00:43	2.23
alpha-Chlorotoluene	ND		6.6		ug/m3			06/12/20 00:43	2.23
Benzene	**6.1**		2.0		ug/m3			06/12/20 00:43	2.23
Bromodichloromethane	ND		4.3		ug/m3			06/12/20 00:43	2.23
Bromoform	ND		6.6		ug/m3			06/12/20 00:43	2.23
Bromomethane	ND		2.5		ug/m3			06/12/20 00:43	2.23
Carbon disulfide	ND		5.0		ug/m3			06/12/20 00:43	2.23
Carbon tetrachloride	ND		1.6		ug/m3			06/12/20 00:43	2.23
Chlorobenzene	ND		2.9		ug/m3			06/12/20 00:43	2.23
Chloroethane	ND		1.7		ug/m3			06/12/20 00:43	2.23

Client Sample ID: OFFSITE DDC EFF
Lab Sample ID: 140-19327-6

Date Collected: 06/04/20 12:30
Matrix: Air
Date Received: 06/09/20 10:00
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		3.1		ug/m3			06/12/20 00:43	2.23
Chloromethane	ND		3.3		ug/m3			06/12/20 00:43	2.23
cis-1,2-Dichloroethene	**8.1**		1.3		ug/m3			06/12/20 00:43	2.23
cis-1,3-Dichloropropene	ND		2.9		ug/m3			06/12/20 00:43	2.23
Cumene	ND		6.3		ug/m3			06/12/20 00:43	2.23
Cyclohexane	**6.2**		5.5		ug/m3			06/12/20 00:43	2.23
Dibromochloromethane	ND		5.4		ug/m3			06/12/20 00:43	2.23
Ethanol	**360**		30		ug/m3			06/12/20 00:43	2.23
Ethylbenzene	**17**		2.8		ug/m3			06/12/20 00:43	2.23
Freon 11	ND		3.6		ug/m3			06/12/20 00:43	2.23
Freon 113	ND		4.9		ug/m3			06/12/20 00:43	2.23
Freon 12	ND	*	3.2		ug/m3			06/12/20 00:43	2.23
Freon-114	ND	*	4.5		ug/m3			06/12/20 00:43	2.23
Heptane	**13**		6.5		ug/m3			06/12/20 00:43	2.23
Hexachlorobutadiene	ND		6.8		ug/m3			06/12/20 00:43	2.23
Hexane	**19**		5.6		ug/m3			06/12/20 00:43	2.23
Methyl tert-butyl ether	ND		4.6		ug/m3			06/12/20 00:43	2.23
Methylene Chloride	ND		11		ug/m3			06/12/20 00:43	2.23
m-Xylene & p-Xylene	**59**		2.8		ug/m3			06/12/20 00:43	2.23
o-Xylene	**22**		2.8		ug/m3			06/12/20 00:43	2.23
Propylbenzene	ND		6.3		ug/m3			06/12/20 00:43	2.23
Styrene	ND		2.7		ug/m3			06/12/20 00:43	2.23
Tetrachloroethene	ND		4.3		ug/m3			06/12/20 00:43	2.23
Tetrahydrofuran	**13**		9.4		ug/m3			06/12/20 00:43	2.23
Toluene	**60**		3.6		ug/m3			06/12/20 00:43	2.23
trans-1,2-Dichloroethene	ND		2.5		ug/m3			06/12/20 00:43	2.23
trans-1,3-Dichloropropene	ND		2.9		ug/m3			06/12/20 00:43	2.23
Trichloroethene	**5.5**		1.5		ug/m3			06/12/20 00:43	2.23
Vinyl chloride	**0.96**		0.81		ug/m3			06/12/20 00:43	2.23

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 140*		*06/12/20 00:43*	*2.23*

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
2-Propanol	**830**	**D**	36		ppb v/v			06/15/20 23:29	2.23

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Propanol	**2000**	**D**	88		ug/m3			06/15/20 23:29	2.23

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*60 - 140*		*06/15/20 23:29*	*2.23*

Default Detection Limits

Client: New York State D.E.C.
Job ID: 140-19327-1
Project/Site: National Heatset #152140

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

Analyte	RL	MDL	Units
1,1,1-Trichloroethane	0.080	0.037	ppb v/v
1,1,1-Trichloroethane	0.44	0.20	ug/m3
1,1,2,2-Tetrachloroethane	0.080	0.014	ppb v/v
1,1,2,2-Tetrachloroethane	0.55	0.096	ug/m3
1,1,2-Trichloroethane	0.080	0.0070	ppb v/v
1,1,2-Trichloroethane	0.44	0.038	ug/m3
1,1-Dichloroethane	0.080	0.0070	ppb v/v
1,1-Dichloroethane	0.32	0.028	ug/m3
1,1-Dichloroethene	0.040	0.0080	ppb v/v
1,1-Dichloroethene	0.16	0.032	ug/m3
1,2,4-Trichlorobenzene	0.080	0.064	ppb v/v
1,2,4-Trichlorobenzene	0.59	0.47	ug/m3
1,2,4-Trimethylbenzene	0.080	0.020	ppb v/v
1,2,4-Trimethylbenzene	0.39	0.098	ug/m3
1,2-Dibromoethane	0.080	0.0070	ppb v/v
1,2-Dibromoethane	0.61	0.054	ug/m3
1,2-Dichlorobenzene	0.080	0.031	ppb v/v
1,2-Dichlorobenzene	0.48	0.19	ug/m3
1,2-Dichloroethane	0.080	0.010	ppb v/v
1,2-Dichloroethane	0.32	0.040	ug/m3
1,2-Dichloropropane	0.080	0.010	ppb v/v
1,2-Dichloropropane	0.37	0.046	ug/m3
1,3,5-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
2,2,4-Trimethylpentane	0.20	0.0080	ppb v/v
2,2,4-Trimethylpentane	0.93	0.037	ug/m3
2-Butanone	0.32	0.073	ppb v/v
2-Butanone	0.94	0.22	ug/m3
2-Hexanone	0.20	0.016	ppb v/v
2-Hexanone	0.82	0.066	ug/m3
2-Propanol	0.80	0.22	ppb v/v
2-Propanol	2.0	0.54	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
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	1.3	ug/m3
alpha-Chlorotoluene	0.16	0.038	ppb v/v
alpha-Chlorotoluene	0.83	0.20	ug/m3
Benzene	0.080	0.0080	ppb v/v
Benzene	0.26	0.026	ug/m3
Bromodichloromethane	0.080	0.018	ppb v/v

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

Analyte	RL	MDL	Units
Bromodichloromethane	0.54	0.12	ug/m3
Bromoform	0.080	0.0090	ppb v/v
Bromoform	0.83	0.093	ug/m3
Bromomethane	0.080	0.022	ppb v/v
Bromomethane	0.31	0.085	ug/m3
Carbon 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
Cumene	0.16	0.017	ppb v/v
Cumene	0.79	0.084	ug/m3
Cyclohexane	0.20	0.023	ppb v/v
Cyclohexane	0.69	0.079	ug/m3
Dibromochloromethane	0.080	0.0070	ppb v/v
Dibromochloromethane	0.68	0.060	ug/m3
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
Freon 11	0.080	0.011	ppb v/v
Freon 11	0.45	0.062	ug/m3
Freon 113	0.080	0.0080	ppb v/v
Freon 113	0.61	0.061	ug/m3
Freon 12	0.080	0.014	ppb v/v
Freon 12	0.40	0.069	ug/m3
Freon-114	0.080	0.012	ppb v/v
Freon-114	0.56	0.084	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
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	0.16	ppb v/v
Methylene Chloride	1.4	0.56	ug/m3
m-Xylene & p-Xylene	0.080	0.029	ppb v/v
m-Xylene & p-Xylene	0.35	0.13	ug/m3
o-Xylene	0.080	0.015	ppb v/v
o-Xylene	0.35	0.065	ug/m3

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

Analyte	RL	MDL	Units
Propylbenzene	0.16	0.019	ppb v/v
Propylbenzene	0.79	0.093	ug/m3
Styrene	0.080	0.024	ppb v/v
Styrene	0.34	0.10	ug/m3
Tetrachloroethene	0.080	0.0070	ppb v/v
Tetrachloroethene	0.54	0.047	ug/m3
Tetrahydrofuran	0.40	0.15	ppb v/v
Tetrahydrofuran	1.2	0.45	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
Vinyl chloride	0.040	0.026	ppb v/v
Vinyl chloride	0.10	0.066	ug/m3

Surrogate Summary

Client: New York State D.E.C.
Project/Site: National Heatset #152140

Job ID: 140-19327-1

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)								
140-19327-1	SVE INF	96								
140-19327-1 - DL	SVE INF	95								
140-19327-2	SVE EFF	96								
140-19327-2 - DL	SVE EFF	102								
140-19327-3	OFFSITE DDC INF	95								
140-19327-3 - DL	OFFSITE DDC INF	102								
140-19327-4	OFFSITE DDC MID-1	103								
140-19327-4 - DL	OFFSITE DDC MID-1	100								
140-19327-5	OFFSITE DDC MID-2	100								
140-19327-5 - DL	OFFSITE DDC MID-2	99								
140-19327-6	OFFSITE DDC EFF	96								
140-19327-6 - DL	OFFSITE DDC EFF	103								
LCS 140-40256/1009	Lab Control Sample	102								
LCS 140-40269/1002	Lab Control Sample	118								
LCS 140-40282/1002	Lab Control Sample	116								
MB 140-40256/12	Method Blank	92								
MB 140-40269/8	Method Blank	94								
MB 140-40282/5	Method Blank	92								

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Lab Sample ID: MB 140-40256/12
Matrix: Air
Analysis Batch: 40256

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			06/11/20 15:48	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			06/11/20 15:48	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			06/11/20 15:48	1
1,1-Dichloroethane	ND		0.080		ppb v/v			06/11/20 15:48	1
1,1-Dichloroethene	ND		0.040		ppb v/v			06/11/20 15:48	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			06/11/20 15:48	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			06/11/20 15:48	1
1,2-Dibromoethane	ND		0.080		ppb v/v			06/11/20 15:48	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			06/11/20 15:48	1
1,2-Dichloroethane	ND		0.080		ppb v/v			06/11/20 15:48	1
1,2-Dichloropropane	ND		0.080		ppb v/v			06/11/20 15:48	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			06/11/20 15:48	1
1,3-Butadiene	ND		0.16		ppb v/v			06/11/20 15:48	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			06/11/20 15:48	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			06/11/20 15:48	1
1,4-Dioxane	ND		0.20		ppb v/v			06/11/20 15:48	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			06/11/20 15:48	1
2-Butanone	ND		0.32		ppb v/v			06/11/20 15:48	1
2-Hexanone	ND		0.20		ppb v/v			06/11/20 15:48	1
2-Propanol	ND		0.80		ppb v/v			06/11/20 15:48	1
3-Chloropropene	ND		0.080		ppb v/v			06/11/20 15:48	1
4-Ethyltoluene	ND		0.16		ppb v/v			06/11/20 15:48	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			06/11/20 15:48	1
Acetone	ND		2.0		ppb v/v			06/11/20 15:48	1
alpha-Chlorotoluene	ND		0.16		ppb v/v			06/11/20 15:48	1
Benzene	ND		0.080		ppb v/v			06/11/20 15:48	1
Bromodichloromethane	ND		0.080		ppb v/v			06/11/20 15:48	1
Bromoform	ND		0.080		ppb v/v			06/11/20 15:48	1
Bromomethane	ND		0.080		ppb v/v			06/11/20 15:48	1
Carbon disulfide	ND		0.20		ppb v/v			06/11/20 15:48	1
Carbon tetrachloride	ND		0.032		ppb v/v			06/11/20 15:48	1
Chlorobenzene	ND		0.080		ppb v/v			06/11/20 15:48	1
Chloroethane	ND		0.080		ppb v/v			06/11/20 15:48	1
Chloroform	ND		0.080		ppb v/v			06/11/20 15:48	1
Chloromethane	ND		0.20		ppb v/v			06/11/20 15:48	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			06/11/20 15:48	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			06/11/20 15:48	1
Cumene	ND		0.16		ppb v/v			06/11/20 15:48	1
Cyclohexane	ND		0.20		ppb v/v			06/11/20 15:48	1
Dibromochloromethane	ND		0.080		ppb v/v			06/11/20 15:48	1
Ethanol	ND		2.0		ppb v/v			06/11/20 15:48	1
Ethylbenzene	ND		0.080		ppb v/v			06/11/20 15:48	1
Freon 11	ND		0.080		ppb v/v			06/11/20 15:48	1
Freon 113	ND		0.080		ppb v/v			06/11/20 15:48	1
Freon 12	ND		0.080		ppb v/v			06/11/20 15:48	1
Freon-114	ND		0.080		ppb v/v			06/11/20 15:48	1
Heptane	ND		0.20		ppb v/v			06/11/20 15:48	1
Hexachlorobutadiene	ND		0.080		ppb v/v			06/11/20 15:48	1

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

Lab Sample ID: MB 140-40256/12
Matrix: Air
Analysis Batch: 40256

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	ND		0.20		ppb v/v			06/11/20 15:48	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			06/11/20 15:48	1
Methylene Chloride	ND		0.40		ppb v/v			06/11/20 15:48	1
m-Xylene & p-Xylene	ND		0.080		ppb v/v			06/11/20 15:48	1
o-Xylene	ND		0.080		ppb v/v			06/11/20 15:48	1
Propylbenzene	ND		0.16		ppb v/v			06/11/20 15:48	1
Styrene	ND		0.080		ppb v/v			06/11/20 15:48	1
Tetrachloroethene	ND		0.080		ppb v/v			06/11/20 15:48	1
Tetrahydrofuran	ND		0.40		ppb v/v			06/11/20 15:48	1
Toluene	ND		0.12		ppb v/v			06/11/20 15:48	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			06/11/20 15:48	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			06/11/20 15:48	1
Trichloroethene	ND		0.036		ppb v/v			06/11/20 15:48	1
Vinyl chloride	ND		0.040		ppb v/v			06/11/20 15:48	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			06/11/20 15:48	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			06/11/20 15:48	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			06/11/20 15:48	1
1,1-Dichloroethane	ND		0.32		ug/m3			06/11/20 15:48	1
1,1-Dichloroethene	ND		0.16		ug/m3			06/11/20 15:48	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			06/11/20 15:48	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			06/11/20 15:48	1
1,2-Dibromoethane	ND		0.61		ug/m3			06/11/20 15:48	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			06/11/20 15:48	1
1,2-Dichloroethane	ND		0.32		ug/m3			06/11/20 15:48	1
1,2-Dichloropropane	ND		0.37		ug/m3			06/11/20 15:48	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			06/11/20 15:48	1
1,3-Butadiene	ND		0.35		ug/m3			06/11/20 15:48	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			06/11/20 15:48	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			06/11/20 15:48	1
1,4-Dioxane	ND		0.72		ug/m3			06/11/20 15:48	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			06/11/20 15:48	1
2-Butanone	ND		0.94		ug/m3			06/11/20 15:48	1
2-Hexanone	ND		0.82		ug/m3			06/11/20 15:48	1
2-Propanol	ND		2.0		ug/m3			06/11/20 15:48	1
3-Chloropropene	ND		0.25		ug/m3			06/11/20 15:48	1
4-Ethyltoluene	ND		0.79		ug/m3			06/11/20 15:48	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			06/11/20 15:48	1
Acetone	ND		4.8		ug/m3			06/11/20 15:48	1
alpha-Chlorotoluene	ND		0.83		ug/m3			06/11/20 15:48	1
Benzene	ND		0.26		ug/m3			06/11/20 15:48	1
Bromodichloromethane	ND		0.54		ug/m3			06/11/20 15:48	1
Bromoform	ND		0.83		ug/m3			06/11/20 15:48	1
Bromomethane	ND		0.31		ug/m3			06/11/20 15:48	1
Carbon disulfide	ND		0.62		ug/m3			06/11/20 15:48	1
Carbon tetrachloride	ND		0.20		ug/m3			06/11/20 15:48	1

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

Lab Sample ID: MB 140-40256/12
Matrix: Air
Analysis Batch: 40256

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.37		ug/m3			06/11/20 15:48	1
Chloroethane	ND		0.21		ug/m3			06/11/20 15:48	1
Chloroform	ND		0.39		ug/m3			06/11/20 15:48	1
Chloromethane	ND		0.41		ug/m3			06/11/20 15:48	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			06/11/20 15:48	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			06/11/20 15:48	1
Cumene	ND		0.79		ug/m3			06/11/20 15:48	1
Cyclohexane	ND		0.69		ug/m3			06/11/20 15:48	1
Dibromochloromethane	ND		0.68		ug/m3			06/11/20 15:48	1
Ethanol	ND		3.8		ug/m3			06/11/20 15:48	1
Ethylbenzene	ND		0.35		ug/m3			06/11/20 15:48	1
Freon 11	ND		0.45		ug/m3			06/11/20 15:48	1
Freon 113	ND		0.61		ug/m3			06/11/20 15:48	1
Freon 12	ND		0.40		ug/m3			06/11/20 15:48	1
Freon-114	ND		0.56		ug/m3			06/11/20 15:48	1
Heptane	ND		0.82		ug/m3			06/11/20 15:48	1
Hexachlorobutadiene	ND		0.85		ug/m3			06/11/20 15:48	1
Hexane	ND		0.70		ug/m3			06/11/20 15:48	1
Methyl tert-butyl ether	ND		0.58		ug/m3			06/11/20 15:48	1
Methylene Chloride	ND		1.4		ug/m3			06/11/20 15:48	1
m-Xylene & p-Xylene	ND		0.35		ug/m3			06/11/20 15:48	1
o-Xylene	ND		0.35		ug/m3			06/11/20 15:48	1
Propylbenzene	ND		0.79		ug/m3			06/11/20 15:48	1
Styrene	ND		0.34		ug/m3			06/11/20 15:48	1
Tetrachloroethene	ND		0.54		ug/m3			06/11/20 15:48	1
Tetrahydrofuran	ND		1.2		ug/m3			06/11/20 15:48	1
Toluene	ND		0.45		ug/m3			06/11/20 15:48	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			06/11/20 15:48	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			06/11/20 15:48	1
Trichloroethene	ND		0.19		ug/m3			06/11/20 15:48	1
Vinyl chloride	ND		0.10		ug/m3			06/11/20 15:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 140*		*06/11/20 15:48*	*1*

Lab Sample ID: LCS 140-40256/1009
Matrix: Air
Analysis Batch: 40256

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	1.60	1.87		ppb v/v		117	70 - 130
1,1,2,2-Tetrachloroethane	1.60	1.80		ppb v/v		113	70 - 130
1,1,2-Trichloroethane	1.60	1.76		ppb v/v		110	70 - 130
1,1-Dichloroethane	1.60	1.87		ppb v/v		117	70 - 130
1,1-Dichloroethene	1.60	1.80		ppb v/v		112	70 - 130
1,2,4-Trichlorobenzene	1.60	1.90		ppb v/v		118	60 - 140
1,2,4-Trimethylbenzene	1.60	1.77		ppb v/v		111	70 - 130

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

Lab Sample ID: LCS 140-40256/1009
Matrix: Air
Analysis Batch: 40256

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	1.60	1.82		ppb v/v		114	70 - 130
1,2-Dichlorobenzene	1.60	1.77		ppb v/v		111	70 - 130
1,2-Dichloroethane	1.60	1.96		ppb v/v		122	70 - 130
1,2-Dichloropropane	1.60	1.83		ppb v/v		114	70 - 130
1,3,5-Trimethylbenzene	1.60	1.69		ppb v/v		106	70 - 130
1,3-Butadiene	1.60	1.77		ppb v/v		111	60 - 140
1,3-Dichlorobenzene	1.60	1.83		ppb v/v		114	70 - 130
1,4-Dichlorobenzene	1.60	1.85		ppb v/v		115	70 - 130
1,4-Dioxane	1.60	1.63		ppb v/v		102	60 - 140
2,2,4-Trimethylpentane	1.60	1.84		ppb v/v		115	70 - 130
2-Butanone	1.60	1.69		ppb v/v		106	60 - 140
2-Hexanone	1.60	1.73		ppb v/v		108	60 - 140
2-Propanol	4.80	5.03		ppb v/v		105	60 - 140
3-Chloropropene	1.60	1.78		ppb v/v		111	60 - 140
4-Ethyltoluene	1.60	1.72		ppb v/v		108	70 - 130
4-Methyl-2-pentanone (MIBK)	1.60	1.80		ppb v/v		112	60 - 140
Acetone	4.80	4.67		ppb v/v		97	60 - 140
alpha-Chlorotoluene	1.60	1.97		ppb v/v		123	70 - 130
Benzene	1.60	1.81		ppb v/v		113	70 - 130
Bromodichloromethane	1.60	1.86		ppb v/v		116	70 - 130
Bromoform	1.60	2.14		ppb v/v		134	60 - 140
Bromomethane	1.60	1.66		ppb v/v		104	70 - 130
Carbon disulfide	1.60	1.92		ppb v/v		120	70 - 130
Carbon tetrachloride	1.60	2.04		ppb v/v		128	70 - 130
Chlorobenzene	1.60	1.78		ppb v/v		111	70 - 130
Chloroethane	1.60	1.66		ppb v/v		104	70 - 130
Chloroform	1.60	1.98		ppb v/v		124	70 - 130
Chloromethane	1.60	1.62		ppb v/v		101	60 - 140
cis-1,2-Dichloroethene	1.60	1.96		ppb v/v		123	70 - 130
cis-1,3-Dichloropropene	1.60	1.98		ppb v/v		124	70 - 130
Cumene	1.60	1.70		ppb v/v		106	70 - 130
Cyclohexane	1.60	1.79		ppb v/v		112	70 - 130
Dibromochloromethane	1.60	1.91		ppb v/v		119	70 - 130
Ethanol	8.00	7.94		ppb v/v		99	60 - 140
Ethylbenzene	1.60	1.87		ppb v/v		117	70 - 130
Freon 11	1.60	1.90		ppb v/v		119	60 - 140
Freon 113	1.60	1.84		ppb v/v		115	70 - 130
Freon 12	1.60	2.50	*	ppb v/v		156	60 - 140
Freon-114	1.60	2.63	*	ppb v/v		164	60 - 140
Heptane	1.60	1.84		ppb v/v		115	70 - 130
Hexachlorobutadiene	1.60	1.79		ppb v/v		112	60 - 140
Hexane	1.60	1.83		ppb v/v		114	70 - 130
Methyl tert-butyl ether	1.60	1.86		ppb v/v		116	60 - 140
Methylene Chloride	1.60	2.01		ppb v/v		126	70 - 130
m-Xylene & p-Xylene	3.20	3.44		ppb v/v		108	70 - 130
o-Xylene	1.60	1.70		ppb v/v		106	70 - 130
Propylbenzene	1.60	1.77		ppb v/v		111	70 - 130

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

Lab Sample ID: LCS 140-40256/1009
Matrix: Air
Analysis Batch: 40256

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	1.60	1.84		ppb v/v		115	70 - 130
Tetrachloroethene	1.60	1.81		ppb v/v		113	70 - 130
Tetrahydrofuran	1.60	1.97		ppb v/v		123	60 - 140
Toluene	1.60	1.81		ppb v/v		113	70 - 130
trans-1,2-Dichloroethene	1.60	1.88		ppb v/v		117	70 - 130
trans-1,3-Dichloropropene	1.60	1.85		ppb v/v		116	70 - 130
Trichloroethene	1.60	1.93		ppb v/v		120	70 - 130
Vinyl chloride	1.60	1.79		ppb v/v		112	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	8.7	10.2		ug/m3		117	70 - 130
1,1,2,2-Tetrachloroethane	11	12.4		ug/m3		113	70 - 130
1,1,2-Trichloroethane	8.7	9.60		ug/m3		110	70 - 130
1,1-Dichloroethane	6.5	7.56		ug/m3		117	70 - 130
1,1-Dichloroethene	6.3	7.12		ug/m3		112	70 - 130
1,2,4-Trichlorobenzene	12	14.1		ug/m3		118	60 - 140
1,2,4-Trimethylbenzene	7.9	8.70		ug/m3		111	70 - 130
1,2-Dibromoethane	12	14.0		ug/m3		114	70 - 130
1,2-Dichlorobenzene	9.6	10.7		ug/m3		111	70 - 130
1,2-Dichloroethane	6.5	7.92		ug/m3		122	70 - 130
1,2-Dichloropropane	7.4	8.46		ug/m3		114	70 - 130
1,3,5-Trimethylbenzene	7.9	8.33		ug/m3		106	70 - 130
1,3-Butadiene	3.5	3.92		ug/m3		111	60 - 140
1,3-Dichlorobenzene	9.6	11.0		ug/m3		114	70 - 130
1,4-Dichlorobenzene	9.6	11.1		ug/m3		115	70 - 130
1,4-Dioxane	5.8	5.89		ug/m3		102	60 - 140
2,2,4-Trimethylpentane	7.5	8.59		ug/m3		115	70 - 130
2-Butanone	4.7	4.99		ug/m3		106	60 - 140
2-Hexanone	6.6	7.11		ug/m3		108	60 - 140
2-Propanol	12	12.4		ug/m3		105	60 - 140
3-Chloropropene	5.0	5.57		ug/m3		111	60 - 140
4-Ethyltoluene	7.9	8.46		ug/m3		108	70 - 130
4-Methyl-2-pentanone (MIBK)	6.6	7.35		ug/m3		112	60 - 140
Acetone	11	11.1		ug/m3		97	60 - 140
alpha-Chlorotoluene	8.3	10.2		ug/m3		123	70 - 130
Benzene	5.1	5.77		ug/m3		113	70 - 130
Bromodichloromethane	11	12.4		ug/m3		116	70 - 130
Bromoform	17	22.1		ug/m3		134	60 - 140
Bromomethane	6.2	6.44		ug/m3		104	70 - 130
Carbon disulfide	5.0	5.98		ug/m3		120	70 - 130
Carbon tetrachloride	10	12.8		ug/m3		128	70 - 130
Chlorobenzene	7.4	8.20		ug/m3		111	70 - 130
Chloroethane	4.2	4.38		ug/m3		104	70 - 130
Chloroform	7.8	9.68		ug/m3		124	70 - 130
Chloromethane	3.3	3.35		ug/m3		101	60 - 140
cis-1,2-Dichloroethene	6.3	7.77		ug/m3		123	70 - 130
cis-1,3-Dichloropropene	7.3	9.00		ug/m3		124	70 - 130

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

Lab Sample ID: LCS 140-40256/1009
Matrix: Air
Analysis Batch: 40256

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cumene	7.9	8.36		ug/m3		106	70 - 130
Cyclohexane	5.5	6.16		ug/m3		112	70 - 130
Dibromochloromethane	14	16.2		ug/m3		119	70 - 130
Ethanol	15	15.0		ug/m3		99	60 - 140
Ethylbenzene	6.9	8.13		ug/m3		117	70 - 130
Freon 11	9.0	10.7		ug/m3		119	60 - 140
Freon 113	12	14.1		ug/m3		115	70 - 130
Freon 12	7.9	12.3	*	ug/m3		156	60 - 140
Freon-114	11	18.4	*	ug/m3		164	60 - 140
Heptane	6.6	7.56		ug/m3		115	70 - 130
Hexachlorobutadiene	17	19.1		ug/m3		112	60 - 140
Hexane	5.6	6.44		ug/m3		114	70 - 130
Methyl tert-butyl ether	5.8	6.70		ug/m3		116	60 - 140
Methylene Chloride	5.6	7.00		ug/m3		126	70 - 130
m-Xylene & p-Xylene	14	15.0		ug/m3		108	70 - 130
o-Xylene	6.9	7.39		ug/m3		106	70 - 130
Propylbenzene	7.9	8.70		ug/m3		111	70 - 130
Styrene	6.8	7.83		ug/m3		115	70 - 130
Tetrachloroethene	11	12.3		ug/m3		113	70 - 130
Tetrahydrofuran	4.7	5.80		ug/m3		123	60 - 140
Toluene	6.0	6.80		ug/m3		113	70 - 130
trans-1,2-Dichloroethene	6.3	7.45		ug/m3		117	70 - 130
trans-1,3-Dichloropropene	7.3	8.41		ug/m3		116	70 - 130
Trichloroethene	8.6	10.4		ug/m3		120	70 - 130
Vinyl chloride	4.1	4.58		ug/m3		112	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*60 - 140*

Lab Sample ID: MB 140-40269/8
Matrix: Air
Analysis Batch: 40269

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			06/12/20 11:29	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			06/12/20 11:29	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			06/12/20 11:29	1
1,1-Dichloroethane	ND		0.080		ppb v/v			06/12/20 11:29	1
1,1-Dichloroethene	ND		0.040		ppb v/v			06/12/20 11:29	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			06/12/20 11:29	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			06/12/20 11:29	1
1,2-Dibromoethane	ND		0.080		ppb v/v			06/12/20 11:29	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			06/12/20 11:29	1
1,2-Dichloroethane	ND		0.080		ppb v/v			06/12/20 11:29	1
1,2-Dichloropropane	ND		0.080		ppb v/v			06/12/20 11:29	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			06/12/20 11:29	1
1,3-Butadiene	ND		0.16		ppb v/v			06/12/20 11:29	1

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

Lab Sample ID: MB 140-40269/8
Matrix: Air
Analysis Batch: 40269

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.080		ppb v/v			06/12/20 11:29	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			06/12/20 11:29	1
1,4-Dioxane	ND		0.20		ppb v/v			06/12/20 11:29	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			06/12/20 11:29	1
2-Butanone	ND		0.32		ppb v/v			06/12/20 11:29	1
2-Hexanone	ND		0.20		ppb v/v			06/12/20 11:29	1
2-Propanol	ND		0.80		ppb v/v			06/12/20 11:29	1
3-Chloropropene	ND		0.080		ppb v/v			06/12/20 11:29	1
4-Ethyltoluene	ND		0.16		ppb v/v			06/12/20 11:29	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			06/12/20 11:29	1
Acetone	ND		2.0		ppb v/v			06/12/20 11:29	1
alpha-Chlorotoluene	ND		0.16		ppb v/v			06/12/20 11:29	1
Benzene	ND		0.080		ppb v/v			06/12/20 11:29	1
Bromodichloromethane	ND		0.080		ppb v/v			06/12/20 11:29	1
Bromoform	ND		0.080		ppb v/v			06/12/20 11:29	1
Bromomethane	ND		0.080		ppb v/v			06/12/20 11:29	1
Carbon disulfide	ND		0.20		ppb v/v			06/12/20 11:29	1
Carbon tetrachloride	ND		0.032		ppb v/v			06/12/20 11:29	1
Chlorobenzene	ND		0.080		ppb v/v			06/12/20 11:29	1
Chloroethane	ND		0.080		ppb v/v			06/12/20 11:29	1
Chloroform	ND		0.080		ppb v/v			06/12/20 11:29	1
Chloromethane	ND		0.20		ppb v/v			06/12/20 11:29	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			06/12/20 11:29	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			06/12/20 11:29	1
Cumene	ND		0.16		ppb v/v			06/12/20 11:29	1
Cyclohexane	ND		0.20		ppb v/v			06/12/20 11:29	1
Dibromochloromethane	ND		0.080		ppb v/v			06/12/20 11:29	1
Ethanol	ND		2.0		ppb v/v			06/12/20 11:29	1
Ethylbenzene	ND		0.080		ppb v/v			06/12/20 11:29	1
Freon 11	ND		0.080		ppb v/v			06/12/20 11:29	1
Freon 113	ND		0.080		ppb v/v			06/12/20 11:29	1
Freon 12	ND		0.080		ppb v/v			06/12/20 11:29	1
Freon-114	ND		0.080		ppb v/v			06/12/20 11:29	1
Heptane	ND		0.20		ppb v/v			06/12/20 11:29	1
Hexachlorobutadiene	ND		0.080		ppb v/v			06/12/20 11:29	1
Hexane	ND		0.20		ppb v/v			06/12/20 11:29	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			06/12/20 11:29	1
Methylene Chloride	ND		0.40		ppb v/v			06/12/20 11:29	1
m-Xylene & p-Xylene	ND		0.080		ppb v/v			06/12/20 11:29	1
o-Xylene	ND		0.080		ppb v/v			06/12/20 11:29	1
Propylbenzene	ND		0.16		ppb v/v			06/12/20 11:29	1
Styrene	ND		0.080		ppb v/v			06/12/20 11:29	1
Tetrachloroethene	ND		0.080		ppb v/v			06/12/20 11:29	1
Tetrahydrofuran	ND		0.40		ppb v/v			06/12/20 11:29	1
Toluene	ND		0.12		ppb v/v			06/12/20 11:29	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			06/12/20 11:29	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			06/12/20 11:29	1

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

Lab Sample ID: MB 140-40269/8
Matrix: Air
Analysis Batch: 40269

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		0.036		ppb v/v			06/12/20 11:29	1
Vinyl chloride	ND		0.040		ppb v/v			06/12/20 11:29	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			06/12/20 11:29	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			06/12/20 11:29	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			06/12/20 11:29	1
1,1-Dichloroethane	ND		0.32		ug/m3			06/12/20 11:29	1
1,1-Dichloroethene	ND		0.16		ug/m3			06/12/20 11:29	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			06/12/20 11:29	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			06/12/20 11:29	1
1,2-Dibromoethane	ND		0.61		ug/m3			06/12/20 11:29	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			06/12/20 11:29	1
1,2-Dichloroethane	ND		0.32		ug/m3			06/12/20 11:29	1
1,2-Dichloropropane	ND		0.37		ug/m3			06/12/20 11:29	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			06/12/20 11:29	1
1,3-Butadiene	ND		0.35		ug/m3			06/12/20 11:29	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			06/12/20 11:29	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			06/12/20 11:29	1
1,4-Dioxane	ND		0.72		ug/m3			06/12/20 11:29	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			06/12/20 11:29	1
2-Butanone	ND		0.94		ug/m3			06/12/20 11:29	1
2-Hexanone	ND		0.82		ug/m3			06/12/20 11:29	1
2-Propanol	ND		2.0		ug/m3			06/12/20 11:29	1
3-Chloropropene	ND		0.25		ug/m3			06/12/20 11:29	1
4-Ethyltoluene	ND		0.79		ug/m3			06/12/20 11:29	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			06/12/20 11:29	1
Acetone	ND		4.8		ug/m3			06/12/20 11:29	1
alpha-Chlorotoluene	ND		0.83		ug/m3			06/12/20 11:29	1
Benzene	ND		0.26		ug/m3			06/12/20 11:29	1
Bromodichloromethane	ND		0.54		ug/m3			06/12/20 11:29	1
Bromoform	ND		0.83		ug/m3			06/12/20 11:29	1
Bromomethane	ND		0.31		ug/m3			06/12/20 11:29	1
Carbon disulfide	ND		0.62		ug/m3			06/12/20 11:29	1
Carbon tetrachloride	ND		0.20		ug/m3			06/12/20 11:29	1
Chlorobenzene	ND		0.37		ug/m3			06/12/20 11:29	1
Chloroethane	ND		0.21		ug/m3			06/12/20 11:29	1
Chloroform	ND		0.39		ug/m3			06/12/20 11:29	1
Chloromethane	ND		0.41		ug/m3			06/12/20 11:29	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			06/12/20 11:29	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			06/12/20 11:29	1
Cumene	ND		0.79		ug/m3			06/12/20 11:29	1
Cyclohexane	ND		0.69		ug/m3			06/12/20 11:29	1
Dibromochloromethane	ND		0.68		ug/m3			06/12/20 11:29	1
Ethanol	ND		3.8		ug/m3			06/12/20 11:29	1
Ethylbenzene	ND		0.35		ug/m3			06/12/20 11:29	1
Freon 11	ND		0.45		ug/m3			06/12/20 11:29	1

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

Lab Sample ID: MB 140-40269/8
Matrix: Air
Analysis Batch: 40269

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		0.61		ug/m3			06/12/20 11:29	1
Freon 12	ND		0.40		ug/m3			06/12/20 11:29	1
Freon-114	ND		0.56		ug/m3			06/12/20 11:29	1
Heptane	ND		0.82		ug/m3			06/12/20 11:29	1
Hexachlorobutadiene	ND		0.85		ug/m3			06/12/20 11:29	1
Hexane	ND		0.70		ug/m3			06/12/20 11:29	1
Methyl tert-butyl ether	ND		0.58		ug/m3			06/12/20 11:29	1
Methylene Chloride	ND		1.4		ug/m3			06/12/20 11:29	1
m-Xylene & p-Xylene	ND		0.35		ug/m3			06/12/20 11:29	1
o-Xylene	ND		0.35		ug/m3			06/12/20 11:29	1
Propylbenzene	ND		0.79		ug/m3			06/12/20 11:29	1
Styrene	ND		0.34		ug/m3			06/12/20 11:29	1
Tetrachloroethene	ND		0.54		ug/m3			06/12/20 11:29	1
Tetrahydrofuran	ND		1.2		ug/m3			06/12/20 11:29	1
Toluene	ND		0.45		ug/m3			06/12/20 11:29	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			06/12/20 11:29	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			06/12/20 11:29	1
Trichloroethene	ND		0.19		ug/m3			06/12/20 11:29	1
Vinyl chloride	ND		0.10		ug/m3			06/12/20 11:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 140*		*06/12/20 11:29*	*1*

Lab Sample ID: LCS 140-40269/1002
Matrix: Air
Analysis Batch: 40269

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	1.60	1.59		ppb v/v		99	70 - 130
1,1,2,2-Tetrachloroethane	1.60	1.44		ppb v/v		90	70 - 130
1,1,2-Trichloroethane	1.60	1.39		ppb v/v		87	70 - 130
1,1-Dichloroethane	1.60	1.40		ppb v/v		87	70 - 130
1,1-Dichloroethene	1.60	1.23		ppb v/v		77	70 - 130
1,2,4-Trichlorobenzene	1.60	1.82		ppb v/v		114	60 - 140
1,2,4-Trimethylbenzene	1.60	1.65		ppb v/v		103	70 - 130
1,2-Dibromoethane	1.60	1.40		ppb v/v		87	70 - 130
1,2-Dichlorobenzene	1.60	1.66		ppb v/v		104	70 - 130
1,2-Dichloroethane	1.60	1.48		ppb v/v		93	70 - 130
1,2-Dichloropropane	1.60	1.27		ppb v/v		79	70 - 130
1,3,5-Trimethylbenzene	1.60	1.42		ppb v/v		89	70 - 130
1,3-Butadiene	1.60	1.56		ppb v/v		98	60 - 140
1,3-Dichlorobenzene	1.60	1.62		ppb v/v		101	70 - 130
1,4-Dichlorobenzene	1.60	1.62		ppb v/v		101	70 - 130
1,4-Dioxane	1.60	1.01		ppb v/v		63	60 - 140
2,2,4-Trimethylpentane	1.60	1.24		ppb v/v		78	70 - 130
2-Butanone	1.60	1.23		ppb v/v		77	60 - 140
2-Hexanone	1.60	1.25		ppb v/v		78	60 - 140

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

Lab Sample ID: LCS 140-40269/1002
Matrix: Air
Analysis Batch: 40269

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Propanol	4.80	4.23		ppb v/v		88	60 - 140
3-Chloropropene	1.60	1.49		ppb v/v		93	60 - 140
4-Ethyltoluene	1.60	1.48		ppb v/v		92	70 - 130
4-Methyl-2-pentanone (MIBK)	1.60	1.37		ppb v/v		86	60 - 140
Acetone	4.80	4.34		ppb v/v		90	60 - 140
alpha-Chlorotoluene	1.60	1.58		ppb v/v		99	70 - 130
Benzene	1.60	1.24		ppb v/v		77	70 - 130
Bromodichloromethane	1.60	1.50		ppb v/v		93	70 - 130
Bromoform	1.60	1.81		ppb v/v		113	60 - 140
Bromomethane	1.60	1.56		ppb v/v		98	70 - 130
Carbon disulfide	1.60	1.43		ppb v/v		89	70 - 130
Carbon tetrachloride	1.60	1.65		ppb v/v		103	70 - 130
Chlorobenzene	1.60	1.35		ppb v/v		84	70 - 130
Chloroethane	1.60	1.64		ppb v/v		102	70 - 130
Chloroform	1.60	1.57		ppb v/v		98	70 - 130
Chloromethane	1.60	1.61		ppb v/v		101	60 - 140
cis-1,2-Dichloroethene	1.60	1.25		ppb v/v		78	70 - 130
cis-1,3-Dichloropropene	1.60	1.40		ppb v/v		88	70 - 130
Cumene	1.60	1.45		ppb v/v		90	70 - 130
Cyclohexane	1.60	1.19		ppb v/v		74	70 - 130
Dibromochloromethane	1.60	1.65		ppb v/v		103	70 - 130
Ethanol	8.00	8.54		ppb v/v		107	60 - 140
Ethylbenzene	1.60	1.35		ppb v/v		84	70 - 130
Freon 11	1.60	1.74		ppb v/v		109	60 - 140
Freon 113	1.60	1.54		ppb v/v		96	70 - 130
Freon 12	1.60	1.75		ppb v/v		110	60 - 140
Freon-114	1.60	1.54		ppb v/v		96	60 - 140
Heptane	1.60	1.15		ppb v/v		72	70 - 130
Hexachlorobutadiene	1.60	1.77		ppb v/v		111	60 - 140
Hexane	1.60	1.47		ppb v/v		92	70 - 130
Methyl tert-butyl ether	1.60	1.39		ppb v/v		87	60 - 140
Methylene Chloride	1.60	1.60		ppb v/v		100	70 - 130
m-Xylene & p-Xylene	3.20	3.08		ppb v/v		96	70 - 130
o-Xylene	1.60	1.57		ppb v/v		98	70 - 130
Propylbenzene	1.60	1.35		ppb v/v		84	70 - 130
Styrene	1.60	1.42		ppb v/v		88	70 - 130
Tetrachloroethene	1.60	1.38		ppb v/v		86	70 - 130
Tetrahydrofuran	1.60	1.33		ppb v/v		83	60 - 140
Toluene	1.60	1.27		ppb v/v		79	70 - 130
trans-1,2-Dichloroethene	1.60	1.32		ppb v/v		82	70 - 130
trans-1,3-Dichloropropene	1.60	1.34		ppb v/v		84	70 - 130
Trichloroethene	1.60	1.25		ppb v/v		78	70 - 130
Vinyl chloride	1.60	1.44		ppb v/v		90	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	8.7	8.68		ug/m3		99	70 - 130
1,1,2,2-Tetrachloroethane	11	9.85		ug/m3		90	70 - 130

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

Lab Sample ID: LCS 140-40269/1002
Matrix: Air
Analysis Batch: 40269

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	8.7	7.60		ug/m3		87	70 - 130
1,1-Dichloroethane	6.5	5.66		ug/m3		87	70 - 130
1,1-Dichloroethene	6.3	4.86		ug/m3		77	70 - 130
1,2,4-Trichlorobenzene	12	13.5		ug/m3		114	60 - 140
1,2,4-Trimethylbenzene	7.9	8.09		ug/m3		103	70 - 130
1,2-Dibromoethane	12	10.7		ug/m3		87	70 - 130
1,2-Dichlorobenzene	9.6	9.98		ug/m3		104	70 - 130
1,2-Dichloroethane	6.5	6.00		ug/m3		93	70 - 130
1,2-Dichloropropane	7.4	5.86		ug/m3		79	70 - 130
1,3,5-Trimethylbenzene	7.9	7.00		ug/m3		89	70 - 130
1,3-Butadiene	3.5	3.46		ug/m3		98	60 - 140
1,3-Dichlorobenzene	9.6	9.76		ug/m3		101	70 - 130
1,4-Dichlorobenzene	9.6	9.75		ug/m3		101	70 - 130
1,4-Dioxane	5.8	3.62		ug/m3		63	60 - 140
2,2,4-Trimethylpentane	7.5	5.81		ug/m3		78	70 - 130
2-Butanone	4.7	3.62		ug/m3		77	60 - 140
2-Hexanone	6.6	5.12		ug/m3		78	60 - 140
2-Propanol	12	10.4		ug/m3		88	60 - 140
3-Chloropropene	5.0	4.66		ug/m3		93	60 - 140
4-Ethyltoluene	7.9	7.26		ug/m3		92	70 - 130
4-Methyl-2-pentanone (MIBK)	6.6	5.62		ug/m3		86	60 - 140
Acetone	11	10.3		ug/m3		90	60 - 140
alpha-Chlorotoluene	8.3	8.17		ug/m3		99	70 - 130
Benzene	5.1	3.95		ug/m3		77	70 - 130
Bromodichloromethane	11	10.0		ug/m3		93	70 - 130
Bromoform	17	18.7		ug/m3		113	60 - 140
Bromomethane	6.2	6.06		ug/m3		98	70 - 130
Carbon disulfide	5.0	4.44		ug/m3		89	70 - 130
Carbon tetrachloride	10	10.4		ug/m3		103	70 - 130
Chlorobenzene	7.4	6.20		ug/m3		84	70 - 130
Chloroethane	4.2	4.32		ug/m3		102	70 - 130
Chloroform	7.8	7.66		ug/m3		98	70 - 130
Chloromethane	3.3	3.33		ug/m3		101	60 - 140
cis-1,2-Dichloroethene	6.3	4.95		ug/m3		78	70 - 130
cis-1,3-Dichloropropene	7.3	6.36		ug/m3		88	70 - 130
Cumene	7.9	7.12		ug/m3		90	70 - 130
Cyclohexane	5.5	4.09		ug/m3		74	70 - 130
Dibromochloromethane	14	14.0		ug/m3		103	70 - 130
Ethanol	15	16.1		ug/m3		107	60 - 140
Ethylbenzene	6.9	5.87		ug/m3		84	70 - 130
Freon 11	9.0	9.77		ug/m3		109	60 - 140
Freon 113	12	11.8		ug/m3		96	70 - 130
Freon 12	7.9	8.67		ug/m3		110	60 - 140
Freon-114	11	10.8		ug/m3		96	60 - 140
Heptane	6.6	4.72		ug/m3		72	70 - 130
Hexachlorobutadiene	17	18.9		ug/m3		111	60 - 140
Hexane	5.6	5.19		ug/m3		92	70 - 130

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

Lab Sample ID: LCS 140-40269/1002
Matrix: Air
Analysis Batch: 40269

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	5.8	4.99		ug/m3		87	60 - 140
Methylene Chloride	5.6	5.57		ug/m3		100	70 - 130
m-Xylene & p-Xylene	14	13.4		ug/m3		96	70 - 130
o-Xylene	6.9	6.82		ug/m3		98	70 - 130
Propylbenzene	7.9	6.62		ug/m3		84	70 - 130
Styrene	6.8	6.03		ug/m3		88	70 - 130
Tetrachloroethene	11	9.33		ug/m3		86	70 - 130
Tetrahydrofuran	4.7	3.93		ug/m3		83	60 - 140
Toluene	6.0	4.78		ug/m3		79	70 - 130
trans-1,2-Dichloroethene	6.3	5.22		ug/m3		82	70 - 130
trans-1,3-Dichloropropene	7.3	6.07		ug/m3		84	70 - 130
Trichloroethene	8.6	6.71		ug/m3		78	70 - 130
Vinyl chloride	4.1	3.67		ug/m3		90	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*60 - 140*

Lab Sample ID: MB 140-40282/5
Matrix: Air
Analysis Batch: 40282

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.080		ppb v/v			06/15/20 12:13	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			06/15/20 12:13	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			06/15/20 12:13	1
1,1-Dichloroethane	ND		0.080		ppb v/v			06/15/20 12:13	1
1,1-Dichloroethene	ND		0.040		ppb v/v			06/15/20 12:13	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			06/15/20 12:13	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			06/15/20 12:13	1
1,2-Dibromoethane	ND		0.080		ppb v/v			06/15/20 12:13	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			06/15/20 12:13	1
1,2-Dichloroethane	ND		0.080		ppb v/v			06/15/20 12:13	1
1,2-Dichloropropane	ND		0.080		ppb v/v			06/15/20 12:13	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			06/15/20 12:13	1
1,3-Butadiene	ND		0.16		ppb v/v			06/15/20 12:13	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			06/15/20 12:13	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			06/15/20 12:13	1
1,4-Dioxane	ND		0.20		ppb v/v			06/15/20 12:13	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			06/15/20 12:13	1
2-Butanone	ND		0.32		ppb v/v			06/15/20 12:13	1
2-Hexanone	ND		0.20		ppb v/v			06/15/20 12:13	1
2-Propanol	ND		0.80		ppb v/v			06/15/20 12:13	1
3-Chloropropene	ND		0.080		ppb v/v			06/15/20 12:13	1
4-Ethyltoluene	ND		0.16		ppb v/v			06/15/20 12:13	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			06/15/20 12:13	1
Acetone	ND		2.0		ppb v/v			06/15/20 12:13	1
alpha-Chlorotoluene	ND		0.16		ppb v/v			06/15/20 12:13	1

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

Lab Sample ID: MB 140-40282/5
Matrix: Air
Analysis Batch: 40282

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.080		ppb v/v			06/15/20 12:13	1
Bromodichloromethane	ND		0.080		ppb v/v			06/15/20 12:13	1
Bromoform	ND		0.080		ppb v/v			06/15/20 12:13	1
Bromomethane	ND		0.080		ppb v/v			06/15/20 12:13	1
Carbon disulfide	ND		0.20		ppb v/v			06/15/20 12:13	1
Carbon tetrachloride	ND		0.032		ppb v/v			06/15/20 12:13	1
Chlorobenzene	ND		0.080		ppb v/v			06/15/20 12:13	1
Chloroethane	ND		0.080		ppb v/v			06/15/20 12:13	1
Chloroform	ND		0.080		ppb v/v			06/15/20 12:13	1
Chloromethane	ND		0.20		ppb v/v			06/15/20 12:13	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			06/15/20 12:13	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			06/15/20 12:13	1
Cumene	ND		0.16		ppb v/v			06/15/20 12:13	1
Cyclohexane	ND		0.20		ppb v/v			06/15/20 12:13	1
Dibromochloromethane	ND		0.080		ppb v/v			06/15/20 12:13	1
Ethanol	ND		2.0		ppb v/v			06/15/20 12:13	1
Ethylbenzene	ND		0.080		ppb v/v			06/15/20 12:13	1
Freon 11	ND		0.080		ppb v/v			06/15/20 12:13	1
Freon 113	ND		0.080		ppb v/v			06/15/20 12:13	1
Freon 12	ND		0.080		ppb v/v			06/15/20 12:13	1
Freon-114	ND		0.080		ppb v/v			06/15/20 12:13	1
Heptane	ND		0.20		ppb v/v			06/15/20 12:13	1
Hexachlorobutadiene	ND		0.080		ppb v/v			06/15/20 12:13	1
Hexane	ND		0.20		ppb v/v			06/15/20 12:13	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			06/15/20 12:13	1
Methylene Chloride	ND		0.40		ppb v/v			06/15/20 12:13	1
m-Xylene & p-Xylene	ND		0.080		ppb v/v			06/15/20 12:13	1
o-Xylene	ND		0.080		ppb v/v			06/15/20 12:13	1
Propylbenzene	ND		0.16		ppb v/v			06/15/20 12:13	1
Styrene	ND		0.080		ppb v/v			06/15/20 12:13	1
Tetrachloroethene	ND		0.080		ppb v/v			06/15/20 12:13	1
Tetrahydrofuran	ND		0.40		ppb v/v			06/15/20 12:13	1
Toluene	ND		0.12		ppb v/v			06/15/20 12:13	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			06/15/20 12:13	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			06/15/20 12:13	1
Trichloroethene	ND		0.036		ppb v/v			06/15/20 12:13	1
Vinyl chloride	ND		0.040		ppb v/v			06/15/20 12:13	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			06/15/20 12:13	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			06/15/20 12:13	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			06/15/20 12:13	1
1,1-Dichloroethane	ND		0.32		ug/m3			06/15/20 12:13	1
1,1-Dichloroethene	ND		0.16		ug/m3			06/15/20 12:13	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			06/15/20 12:13	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			06/15/20 12:13	1
1,2-Dibromoethane	ND		0.61		ug/m3			06/15/20 12:13	1

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

Lab Sample ID: MB 140-40282/5
Matrix: Air
Analysis Batch: 40282

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.48		ug/m3			06/15/20 12:13	1
1,2-Dichloroethane	ND		0.32		ug/m3			06/15/20 12:13	1
1,2-Dichloropropane	ND		0.37		ug/m3			06/15/20 12:13	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			06/15/20 12:13	1
1,3-Butadiene	ND		0.35		ug/m3			06/15/20 12:13	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			06/15/20 12:13	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			06/15/20 12:13	1
1,4-Dioxane	ND		0.72		ug/m3			06/15/20 12:13	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			06/15/20 12:13	1
2-Butanone	ND		0.94		ug/m3			06/15/20 12:13	1
2-Hexanone	ND		0.82		ug/m3			06/15/20 12:13	1
2-Propanol	ND		2.0		ug/m3			06/15/20 12:13	1
3-Chloropropene	ND		0.25		ug/m3			06/15/20 12:13	1
4-Ethyltoluene	ND		0.79		ug/m3			06/15/20 12:13	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			06/15/20 12:13	1
Acetone	ND		4.8		ug/m3			06/15/20 12:13	1
alpha-Chlorotoluene	ND		0.83		ug/m3			06/15/20 12:13	1
Benzene	ND		0.26		ug/m3			06/15/20 12:13	1
Bromodichloromethane	ND		0.54		ug/m3			06/15/20 12:13	1
Bromoform	ND		0.83		ug/m3			06/15/20 12:13	1
Bromomethane	ND		0.31		ug/m3			06/15/20 12:13	1
Carbon disulfide	ND		0.62		ug/m3			06/15/20 12:13	1
Carbon tetrachloride	ND		0.20		ug/m3			06/15/20 12:13	1
Chlorobenzene	ND		0.37		ug/m3			06/15/20 12:13	1
Chloroethane	ND		0.21		ug/m3			06/15/20 12:13	1
Chloroform	ND		0.39		ug/m3			06/15/20 12:13	1
Chloromethane	ND		0.41		ug/m3			06/15/20 12:13	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			06/15/20 12:13	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			06/15/20 12:13	1
Cumene	ND		0.79		ug/m3			06/15/20 12:13	1
Cyclohexane	ND		0.69		ug/m3			06/15/20 12:13	1
Dibromochloromethane	ND		0.68		ug/m3			06/15/20 12:13	1
Ethanol	ND		3.8		ug/m3			06/15/20 12:13	1
Ethylbenzene	ND		0.35		ug/m3			06/15/20 12:13	1
Freon 11	ND		0.45		ug/m3			06/15/20 12:13	1
Freon 113	ND		0.61		ug/m3			06/15/20 12:13	1
Freon 12	ND		0.40		ug/m3			06/15/20 12:13	1
Freon-114	ND		0.56		ug/m3			06/15/20 12:13	1
Heptane	ND		0.82		ug/m3			06/15/20 12:13	1
Hexachlorobutadiene	ND		0.85		ug/m3			06/15/20 12:13	1
Hexane	ND		0.70		ug/m3			06/15/20 12:13	1
Methyl tert-butyl ether	ND		0.58		ug/m3			06/15/20 12:13	1
Methylene Chloride	ND		1.4		ug/m3			06/15/20 12:13	1
m-Xylene & p-Xylene	ND		0.35		ug/m3			06/15/20 12:13	1
o-Xylene	ND		0.35		ug/m3			06/15/20 12:13	1
Propylbenzene	ND		0.79		ug/m3			06/15/20 12:13	1
Styrene	ND		0.34		ug/m3			06/15/20 12:13	1

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

Lab Sample ID: MB 140-40282/5
Matrix: Air
Analysis Batch: 40282

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.54		ug/m3			06/15/20 12:13	1
Tetrahydrofuran	ND		1.2		ug/m3			06/15/20 12:13	1
Toluene	ND		0.45		ug/m3			06/15/20 12:13	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			06/15/20 12:13	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			06/15/20 12:13	1
Trichloroethene	ND		0.19		ug/m3			06/15/20 12:13	1
Vinyl chloride	ND		0.10		ug/m3			06/15/20 12:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*60 - 140*		*06/15/20 12:13*	*1*

Lab Sample ID: LCS 140-40282/1002
Matrix: Air
Analysis Batch: 40282

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	1.60	1.97		ppb v/v		123	70 - 130
1,1,2,2-Tetrachloroethane	1.60	1.74		ppb v/v		109	70 - 130
1,1,2-Trichloroethane	1.60	1.71		ppb v/v		107	70 - 130
1,1-Dichloroethane	1.60	1.75		ppb v/v		109	70 - 130
1,1-Dichloroethene	1.60	1.54		ppb v/v		96	70 - 130
1,2,4-Trichlorobenzene	1.60	2.16		ppb v/v		135	60 - 140
1,2,4-Trimethylbenzene	1.60	1.97		ppb v/v		123	70 - 130
1,2-Dibromoethane	1.60	1.70		ppb v/v		106	70 - 130
1,2-Dichlorobenzene	1.60	1.98		ppb v/v		124	70 - 130
1,2-Dichloroethane	1.60	1.83		ppb v/v		114	70 - 130
1,2-Dichloropropane	1.60	1.56		ppb v/v		98	70 - 130
1,3,5-Trimethylbenzene	1.60	1.67		ppb v/v		105	70 - 130
1,3-Butadiene	1.60	1.99		ppb v/v		125	60 - 140
1,3-Dichlorobenzene	1.60	1.93		ppb v/v		121	70 - 130
1,4-Dichlorobenzene	1.60	1.93		ppb v/v		121	70 - 130
1,4-Dioxane	1.60	1.24		ppb v/v		78	60 - 140
2,2,4-Trimethylpentane	1.60	1.56		ppb v/v		97	70 - 130
2-Butanone	1.60	1.54		ppb v/v		96	60 - 140
2-Hexanone	1.60	1.56		ppb v/v		97	60 - 140
2-Propanol	4.80	5.32		ppb v/v		111	60 - 140
3-Chloropropene	1.60	1.86		ppb v/v		116	60 - 140
4-Ethyltoluene	1.60	1.81		ppb v/v		113	70 - 130
4-Methyl-2-pentanone (MIBK)	1.60	1.76		ppb v/v		110	60 - 140
Acetone	4.80	5.53		ppb v/v		115	60 - 140
alpha-Chlorotoluene	1.60	1.93		ppb v/v		121	70 - 130
Benzene	1.60	1.54		ppb v/v		96	70 - 130
Bromodichloromethane	1.60	1.82		ppb v/v		114	70 - 130
Bromoform	1.60	2.13		ppb v/v		133	60 - 140
Bromomethane	1.60	1.97		ppb v/v		123	70 - 130
Carbon disulfide	1.60	1.79		ppb v/v		112	70 - 130
Carbon tetrachloride	1.60	2.01		ppb v/v		126	70 - 130

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

Lab Sample ID: LCS 140-40282/1002
Matrix: Air
Analysis Batch: 40282

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	1.60	1.63		ppb v/v		102	70 - 130
Chloroethane	1.60	2.02		ppb v/v		126	70 - 130
Chloroform	1.60	1.92		ppb v/v		120	70 - 130
Chloromethane	1.60	2.15		ppb v/v		135	60 - 140
cis-1,2-Dichloroethene	1.60	1.57		ppb v/v		98	70 - 130
cis-1,3-Dichloropropene	1.60	1.72		ppb v/v		108	70 - 130
Cumene	1.60	1.73		ppb v/v		108	70 - 130
Cyclohexane	1.60	1.50		ppb v/v		94	70 - 130
Dibromochloromethane	1.60	1.99		ppb v/v		124	70 - 130
Ethanol	8.00	11.1		ppb v/v		139	60 - 140
Ethylbenzene	1.60	1.67		ppb v/v		105	70 - 130
Freon 11	1.60	2.10		ppb v/v		131	60 - 140
Freon 113	1.60	1.89		ppb v/v		118	70 - 130
Freon 12	1.60	2.19		ppb v/v		137	60 - 140
Freon-114	1.60	2.02		ppb v/v		126	60 - 140
Heptane	1.60	1.39		ppb v/v		87	70 - 130
Hexachlorobutadiene	1.60	2.09		ppb v/v		131	60 - 140
Hexane	1.60	1.87		ppb v/v		117	70 - 130
Methyl tert-butyl ether	1.60	1.73		ppb v/v		108	60 - 140
Methylene Chloride	1.60	1.99		ppb v/v		125	70 - 130
m-Xylene & p-Xylene	3.20	3.77		ppb v/v		118	70 - 130
o-Xylene	1.60	1.90		ppb v/v		119	70 - 130
Propylbenzene	1.60	1.60		ppb v/v		100	70 - 130
Styrene	1.60	1.67		ppb v/v		104	70 - 130
Tetrachloroethene	1.60	1.66		ppb v/v		104	70 - 130
Tetrahydrofuran	1.60	1.69		ppb v/v		106	60 - 140
Toluene	1.60	1.54		ppb v/v		97	70 - 130
trans-1,2-Dichloroethene	1.60	1.65		ppb v/v		103	70 - 130
trans-1,3-Dichloropropene	1.60	1.66		ppb v/v		104	70 - 130
Trichloroethene	1.60	1.48		ppb v/v		92	70 - 130
Vinyl chloride	1.60	1.84		ppb v/v		115	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	8.7	10.7		ug/m3		123	70 - 130
1,1,2,2-Tetrachloroethane	11	11.9		ug/m3		109	70 - 130
1,1,2-Trichloroethane	8.7	9.34		ug/m3		107	70 - 130
1,1-Dichloroethane	6.5	7.07		ug/m3		109	70 - 130
1,1-Dichloroethene	6.3	6.11		ug/m3		96	70 - 130
1,2,4-Trichlorobenzene	12	16.0		ug/m3		135	60 - 140
1,2,4-Trimethylbenzene	7.9	9.68		ug/m3		123	70 - 130
1,2-Dibromoethane	12	13.1		ug/m3		106	70 - 130
1,2-Dichlorobenzene	9.6	11.9		ug/m3		124	70 - 130
1,2-Dichloroethane	6.5	7.40		ug/m3		114	70 - 130
1,2-Dichloropropane	7.4	7.22		ug/m3		98	70 - 130
1,3,5-Trimethylbenzene	7.9	8.22		ug/m3		105	70 - 130
1,3-Butadiene	3.5	4.41		ug/m3		125	60 - 140
1,3-Dichlorobenzene	9.6	11.6		ug/m3		121	70 - 130

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

Lab Sample ID: LCS 140-40282/1002
Matrix: Air
Analysis Batch: 40282

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	9.6	11.6		ug/m3		121	70 - 130
1,4-Dioxane	5.8	4.48		ug/m3		78	60 - 140
2,2,4-Trimethylpentane	7.5	7.27		ug/m3		97	70 - 130
2-Butanone	4.7	4.55		ug/m3		96	60 - 140
2-Hexanone	6.6	6.39		ug/m3		97	60 - 140
2-Propanol	12	13.1		ug/m3		111	60 - 140
3-Chloropropene	5.0	5.81		ug/m3		116	60 - 140
4-Ethyltoluene	7.9	8.89		ug/m3		113	70 - 130
4-Methyl-2-pentanone (MIBK)	6.6	7.21		ug/m3		110	60 - 140
Acetone	11	13.1		ug/m3		115	60 - 140
alpha-Chlorotoluene	8.3	10.0		ug/m3		121	70 - 130
Benzene	5.1	4.93		ug/m3		96	70 - 130
Bromodichloromethane	11	12.2		ug/m3		114	70 - 130
Bromoform	17	22.0		ug/m3		133	60 - 140
Bromomethane	6.2	7.63		ug/m3		123	70 - 130
Carbon disulfide	5.0	5.58		ug/m3		112	70 - 130
Carbon tetrachloride	10	12.6		ug/m3		126	70 - 130
Chlorobenzene	7.4	7.51		ug/m3		102	70 - 130
Chloroethane	4.2	5.33		ug/m3		126	70 - 130
Chloroform	7.8	9.39		ug/m3		120	70 - 130
Chloromethane	3.3	4.45		ug/m3		135	60 - 140
cis-1,2-Dichloroethene	6.3	6.22		ug/m3		98	70 - 130
cis-1,3-Dichloropropene	7.3	7.83		ug/m3		108	70 - 130
Cumene	7.9	8.53		ug/m3		108	70 - 130
Cyclohexane	5.5	5.18		ug/m3		94	70 - 130
Dibromochloromethane	14	17.0		ug/m3		124	70 - 130
Ethanol	15	20.9		ug/m3		139	60 - 140
Ethylbenzene	6.9	7.27		ug/m3		105	70 - 130
Freon 11	9.0	11.8		ug/m3		131	60 - 140
Freon 113	12	14.5		ug/m3		118	70 - 130
Freon 12	7.9	10.8		ug/m3		137	60 - 140
Freon-114	11	14.1		ug/m3		126	60 - 140
Heptane	6.6	5.71		ug/m3		87	70 - 130
Hexachlorobutadiene	17	22.3		ug/m3		131	60 - 140
Hexane	5.6	6.60		ug/m3		117	70 - 130
Methyl tert-butyl ether	5.8	6.24		ug/m3		108	60 - 140
Methylene Chloride	5.6	6.92		ug/m3		125	70 - 130
m-Xylene & p-Xylene	14	16.4		ug/m3		118	70 - 130
o-Xylene	6.9	8.25		ug/m3		119	70 - 130
Propylbenzene	7.9	7.86		ug/m3		100	70 - 130
Styrene	6.8	7.10		ug/m3		104	70 - 130
Tetrachloroethene	11	11.2		ug/m3		104	70 - 130
Tetrahydrofuran	4.7	4.99		ug/m3		106	60 - 140
Toluene	6.0	5.82		ug/m3		97	70 - 130
trans-1,2-Dichloroethene	6.3	6.55		ug/m3		103	70 - 130
trans-1,3-Dichloropropene	7.3	7.54		ug/m3		104	70 - 130
Trichloroethene	8.6	7.95		ug/m3		92	70 - 130

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

Lab Sample ID: LCS 140-40282/1002
Matrix: Air
Analysis Batch: 40282

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Vinyl chloride			4.1	4.70		ug/m3		115	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*60 - 140*

QC Association Summary

Client: New York State D.E.C.
Project/Site: National Heatset #152140

Job ID: 140-19327-1

Air - GC/MS VOA

Analysis Batch: 40256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-19327-1	SVE INF	Total/NA	Air	TO 15 LL	
140-19327-2	SVE EFF	Total/NA	Air	TO 15 LL	
140-19327-3	OFFSITE DDC INF	Total/NA	Air	TO 15 LL	
140-19327-5	OFFSITE DDC MID-2	Total/NA	Air	TO 15 LL	
140-19327-6	OFFSITE DDC EFF	Total/NA	Air	TO 15 LL	
MB 140-40256/12	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-40256/1009	Lab Control Sample	Total/NA	Air	TO 15 LL	

Analysis Batch: 40269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-19327-4	OFFSITE DDC MID-1	Total/NA	Air	TO 15 LL	
140-19327-4 - DL	OFFSITE DDC MID-1	Total/NA	Air	TO 15 LL	
MB 140-40269/8	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-40269/1002	Lab Control Sample	Total/NA	Air	TO 15 LL	

Analysis Batch: 40282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-19327-1 - DL	SVE INF	Total/NA	Air	TO 15 LL	
140-19327-2 - DL	SVE EFF	Total/NA	Air	TO 15 LL	
140-19327-3 - DL	OFFSITE DDC INF	Total/NA	Air	TO 15 LL	
140-19327-5 - DL	OFFSITE DDC MID-2	Total/NA	Air	TO 15 LL	
140-19327-6 - DL	OFFSITE DDC EFF	Total/NA	Air	TO 15 LL	
MB 140-40282/5	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-40282/1002	Lab Control Sample	Total/NA	Air	TO 15 LL	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: National Heatset #152140

Job ID: 140-19327-1

Client Sample ID: SVE INF
Date Collected: 06/04/20 11:38
Date Received: 06/09/20 10:00

Lab Sample ID: 140-19327-1
Matrix: Air

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	11 mL	500 mL	40282	06/16/20 08:03	S1K	TAL KNX
	Instrument ID: MH									
Total/NA	Analysis	TO 15 LL		1	50 mL	500 mL	40256	06/11/20 21:28	S1K	TAL KNX
	Instrument ID: MR									

Client Sample ID: SVE EFF
Date Collected: 06/04/20 11:44
Date Received: 06/09/20 10:00

Lab Sample ID: 140-19327-2
Matrix: Air

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	1.34	25 mL	500 mL	40282	06/15/20 20:52	S1K	TAL KNX
	Instrument ID: MH									
Total/NA	Analysis	TO 15 LL		1.34	100 mL	500 mL	40256	06/11/20 22:16	S1K	TAL KNX
	Instrument ID: MR									

Client Sample ID: OFFSITE DDC INF
Date Collected: 06/04/20 12:18
Date Received: 06/09/20 10:00

Lab Sample ID: 140-19327-3
Matrix: Air

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	1.4	25 mL	500 mL	40282	06/15/20 21:44	S1K	TAL KNX
	Instrument ID: MH									
Total/NA	Analysis	TO 15 LL		1.4	50 mL	500 mL	40256	06/11/20 23:03	S1K	TAL KNX
	Instrument ID: MR									

Client Sample ID: OFFSITE DDC MID-1
Date Collected: 06/04/20 12:24
Date Received: 06/09/20 10:00

Lab Sample ID: 140-19327-4
Matrix: Air

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		4.7	800 mL	500 mL	40269	06/12/20 13:29	S1K	TAL KNX
	Instrument ID: MH									
Total/NA	Analysis	TO 15 LL	DL	4.7	150 mL	500 mL	40269	06/13/20 00:12	S1K	TAL KNX
	Instrument ID: MH									

Client Sample ID: OFFSITE DDC MID-2
Date Collected: 06/04/20 12:27
Date Received: 06/09/20 10:00

Lab Sample ID: 140-19327-5
Matrix: Air

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	2.06	25 mL	500 mL	40282	06/15/20 22:36	S1K	TAL KNX
	Instrument ID: MH									
Total/NA	Analysis	TO 15 LL		2.06	100 mL	500 mL	40256	06/11/20 23:53	S1K	TAL KNX
	Instrument ID: MR									

Client Sample ID: OFFSITE DDC EFF
Lab Sample ID: 140-19327-6
Date Collected: 06/04/20 12:30
Matrix: Air
Date Received: 06/09/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL	DL	2.23	25 mL	500 mL	40282	06/15/20 23:29	S1K	TAL KNX
	Instrument ID: MH									
Total/NA	Analysis	TO 15 LL		2.23	140 mL	500 mL	40256	06/12/20 00:43	S1K	TAL KNX
	Instrument ID: MR									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-40256/12
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	40256	06/11/20 15:48	S1K	TAL KNX
	Instrument ID: MR									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-40269/8
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	40269	06/12/20 11:29	S1K	TAL KNX
	Instrument ID: MH									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-40282/5
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	40282	06/15/20 12:13	S1K	TAL KNX
	Instrument ID: MH									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-40256/1009
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	40256	06/11/20 12:45	S1K	TAL KNX
	Instrument ID: MR									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-40269/1002
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	40269	06/12/20 08:09	S1K	TAL KNX
	Instrument ID: MH									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-40282/1002

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	40282	06/15/20 08:55	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: New York State D.E.C. Job ID: 140-19327-1
Project/Site: National Heatset #152140

Laboratory: Eurofins TestAmerica, Knoxville

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10781	03-31-21

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	1,3,5-Trimethylbenzene
TO 15 LL		Air	2-Hexanone
TO 15 LL		Air	4-Ethyltoluene
TO 15 LL		Air	Ethanol
TO 15 LL		Air	Freon 11
TO 15 LL		Air	Freon 113
TO 15 LL		Air	Freon 12
TO 15 LL		Air	Freon-114
TO 15 LL		Air	o-Xylene
TO 15 LL		Air	Propylbenzene
TO 15 LL		Air	Tetrahydrofuran

Method Summary

Client: New York State D.E.C.
Project/Site: National Heatset #152140

Job ID: 140-19327-1

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

Client: New York State D.E.C.
Job ID: 140-19327-1
Project/Site: National Heatset #152140

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
140-19327-1	SVE INF	Air	06/04/20 11:38	06/09/20 10:00	Air Canister (6-Liter) #34000575
140-19327-2	SVE EFF	Air	06/04/20 11:44	06/09/20 10:00	Air Canister (6-Liter) #34000383
140-19327-3	OFFSITE DDC INF	Air	06/04/20 12:18	06/09/20 10:00	Air Canister (6-Liter) #34001524
140-19327-4	OFFSITE DDC MID-1	Air	06/04/20 12:24	06/09/20 10:00	Air Canister (6-Liter) #09783
140-19327-5	OFFSITE DDC MID-2	Air	06/04/20 12:27	06/09/20 10:00	Air Canister (6-Liter) #09983
140-19327-6	OFFSITE DDC EFF	Air	06/04/20 12:30	06/09/20 10:00	Air Canister (6-Liter) #09938

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.: 140-19327-1

SDG No.:

Matrix: Air Level: Low

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

Client Sample ID	Lab Sample ID	BFB #
SVE INF	140-19327-1	96
SVE INF DL	140-19327-1 DL	95
SVE EFF	140-19327-2	96
SVE EFF DL	140-19327-2 DL	102
OFFSITE DDC INF	140-19327-3	95
OFFSITE DDC INF DL	140-19327-3 DL	102
OFFSITE DDC MID-1	140-19327-4	103
OFFSITE DDC MID-1 DL	140-19327-4 DL	100
OFFSITE DDC MID-2	140-19327-5	100
OFFSITE DDC MID-2 DL	140-19327-5 DL	99
OFFSITE DDC EFF	140-19327-6	96
OFFSITE DDC EFF DL	140-19327-6 DL	103
	MB 140-40256/12	92
	MB 140-40269/8	94
	MB 140-40282/5	92
	LCS 140-40256/1009	102
	LCS 140-40269/1002	118
	LCS 140-40282/1002	116

	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.: 140-19327-1

SDG No.:

Matrix: Air Level: Low Lab File ID: RCCVF11C-LCS.d

Lab ID: LCS 140-40256/1009 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	1.60	1.87	117	70-130	
1,1,2,2-Tetrachloroethane	1.60	1.80	113	70-130	
1,1,2-Trichloroethane	1.60	1.76	110	70-130	
1,1-Dichloroethane	1.60	1.87	117	70-130	
1,1-Dichloroethene	1.60	1.80	112	70-130	
1,2,4-Trichlorobenzene	1.60	1.90	118	60-140	
1,2,4-Trimethylbenzene	1.60	1.77	111	70-130	
1,2-Dibromoethane	1.60	1.82	114	70-130	
1,2-Dichlorobenzene	1.60	1.77	111	70-130	
1,2-Dichloroethane	1.60	1.96	122	70-130	
1,2-Dichloropropane	1.60	1.83	114	70-130	
1,3,5-Trimethylbenzene	1.60	1.69	106	70-130	
1,3-Butadiene	1.60	1.77	111	60-140	
1,3-Dichlorobenzene	1.60	1.83	114	70-130	
1,4-Dichlorobenzene	1.60	1.85	115	70-130	
1,4-Dioxane	1.60	1.63	102	60-140	
2,2,4-Trimethylpentane	1.60	1.84	115	70-130	
2-Butanone	1.60	1.69	106	60-140	
2-Hexanone	1.60	1.73	108	60-140	
2-Propanol	4.80	5.03	105	60-140	
3-Chloropropene	1.60	1.78	111	60-140	
4-Ethyltoluene	1.60	1.72	108	70-130	
4-Methyl-2-pentanone (MIBK)	1.60	1.80	112	60-140	
Acetone	4.80	4.67	97	60-140	
alpha-Chlorotoluene	1.60	1.97	123	70-130	
Benzene	1.60	1.81	113	70-130	
Bromodichloromethane	1.60	1.86	116	70-130	
Bromoform	1.60	2.14	134	60-140	
Bromomethane	1.60	1.66	104	70-130	
Carbon disulfide	1.60	1.92	120	70-130	
Carbon tetrachloride	1.60	2.04	128	70-130	
Chlorobenzene	1.60	1.78	111	70-130	
Chloroethane	1.60	1.66	104	70-130	
Chloroform	1.60	1.98	124	70-130	
Chloromethane	1.60	1.62	101	60-140	
cis-1,2-Dichloroethene	1.60	1.96	123	70-130	
cis-1,3-Dichloropropene	1.60	1.98	124	70-130	
Cumene	1.60	1.70	106	70-130	
Cyclohexane	1.60	1.79	112	70-130	
Dibromochloromethane	1.60	1.91	119	70-130	
Ethanol	8.00	7.94	99	60-140	
Ethylbenzene	1.60	1.87	117	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.: 140-19327-1

SDG No.:

Matrix: Air Level: Low Lab File ID: RCCVF11C-LCS.d

Lab ID: LCS 140-40256/1009 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 11	1.60	1.90	119	60-140	
Freon 113	1.60	1.84	115	70-130	
Freon 12	1.60	2.50	156	60-140	*
Freon-114	1.60	2.63	164	60-140	*
Heptane	1.60	1.84	115	70-130	
Hexachlorobutadiene	1.60	1.79	112	60-140	
Hexane	1.60	1.83	114	70-130	
Methyl tert-butyl ether	1.60	1.86	116	60-140	
Methylene Chloride	1.60	2.01	126	70-130	
m-Xylene & p-Xylene	3.20	3.44	108	70-130	
o-Xylene	1.60	1.70	106	70-130	
Propylbenzene	1.60	1.77	111	70-130	
Styrene	1.60	1.84	115	70-130	
Tetrachloroethene	1.60	1.81	113	70-130	
Tetrahydrofuran	1.60	1.97	123	60-140	
Toluene	1.60	1.81	113	70-130	
trans-1,2-Dichloroethene	1.60	1.88	117	70-130	
trans-1,3-Dichloropropene	1.60	1.85	116	70-130	
Trichloroethene	1.60	1.93	120	70-130	
Vinyl chloride	1.60	1.79	112	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.: 140-19327-1

SDG No.:

Matrix: Air Level: Low Lab File ID: HCCVF12-LCS.d

Lab ID: LCS 140-40269/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	1.60	1.59	99	70-130	
1,1,2,2-Tetrachloroethane	1.60	1.44	90	70-130	
1,1,2-Trichloroethane	1.60	1.39	87	70-130	
1,1-Dichloroethane	1.60	1.40	87	70-130	
1,1-Dichloroethene	1.60	1.23	77	70-130	
1,2,4-Trichlorobenzene	1.60	1.82	114	60-140	
1,2,4-Trimethylbenzene	1.60	1.65	103	70-130	
1,2-Dibromoethane	1.60	1.40	87	70-130	
1,2-Dichlorobenzene	1.60	1.66	104	70-130	
1,2-Dichloroethane	1.60	1.48	93	70-130	
1,2-Dichloropropane	1.60	1.27	79	70-130	
1,3,5-Trimethylbenzene	1.60	1.42	89	70-130	
1,3-Butadiene	1.60	1.56	98	60-140	
1,3-Dichlorobenzene	1.60	1.62	101	70-130	
1,4-Dichlorobenzene	1.60	1.62	101	70-130	
1,4-Dioxane	1.60	1.01	63	60-140	
2,2,4-Trimethylpentane	1.60	1.24	78	70-130	
2-Butanone	1.60	1.23	77	60-140	
2-Hexanone	1.60	1.25	78	60-140	
2-Propanol	4.80	4.23	88	60-140	
3-Chloropropene	1.60	1.49	93	60-140	
4-Ethyltoluene	1.60	1.48	92	70-130	
4-Methyl-2-pentanone (MIBK)	1.60	1.37	86	60-140	
Acetone	4.80	4.34	90	60-140	
alpha-Chlorotoluene	1.60	1.58	99	70-130	
Benzene	1.60	1.24	77	70-130	
Bromodichloromethane	1.60	1.50	93	70-130	
Bromoform	1.60	1.81	113	60-140	
Bromomethane	1.60	1.56	98	70-130	
Carbon disulfide	1.60	1.43	89	70-130	
Carbon tetrachloride	1.60	1.65	103	70-130	
Chlorobenzene	1.60	1.35	84	70-130	
Chloroethane	1.60	1.64	102	70-130	
Chloroform	1.60	1.57	98	70-130	
Chloromethane	1.60	1.61	101	60-140	
cis-1,2-Dichloroethene	1.60	1.25	78	70-130	
cis-1,3-Dichloropropene	1.60	1.40	88	70-130	
Cumene	1.60	1.45	90	70-130	
Cyclohexane	1.60	1.19	74	70-130	
Dibromochloromethane	1.60	1.65	103	70-130	
Ethanol	8.00	8.54	107	60-140	
Ethylbenzene	1.60	1.35	84	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.: 140-19327-1

SDG No.:

Matrix: Air Level: Low Lab File ID: HCCVF12-LCS.d

Lab ID: LCS 140-40269/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 11	1.60	1.74	109	60-140	
Freon 113	1.60	1.54	96	70-130	
Freon 12	1.60	1.75	110	60-140	
Freon-114	1.60	1.54	96	60-140	
Heptane	1.60	1.15	72	70-130	
Hexachlorobutadiene	1.60	1.77	111	60-140	
Hexane	1.60	1.47	92	70-130	
Methyl tert-butyl ether	1.60	1.39	87	60-140	
Methylene Chloride	1.60	1.60	100	70-130	
m-Xylene & p-Xylene	3.20	3.08	96	70-130	
o-Xylene	1.60	1.57	98	70-130	
Propylbenzene	1.60	1.35	84	70-130	
Styrene	1.60	1.42	88	70-130	
Tetrachloroethene	1.60	1.38	86	70-130	
Tetrahydrofuran	1.60	1.33	83	60-140	
Toluene	1.60	1.27	79	70-130	
trans-1,2-Dichloroethene	1.60	1.32	82	70-130	
trans-1,3-Dichloropropene	1.60	1.34	84	70-130	
Trichloroethene	1.60	1.25	78	70-130	
Vinyl chloride	1.60	1.44	90	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.: 140-19327-1

SDG No.:

Matrix: Air Level: Low Lab File ID: HCCVF15-LCS.d

Lab ID: LCS 140-40282/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	1.60	1.97	123	70-130	
1,1,2,2-Tetrachloroethane	1.60	1.74	109	70-130	
1,1,2-Trichloroethane	1.60	1.71	107	70-130	
1,1-Dichloroethane	1.60	1.75	109	70-130	
1,1-Dichloroethene	1.60	1.54	96	70-130	
1,2,4-Trichlorobenzene	1.60	2.16	135	60-140	
1,2,4-Trimethylbenzene	1.60	1.97	123	70-130	
1,2-Dibromoethane	1.60	1.70	106	70-130	
1,2-Dichlorobenzene	1.60	1.98	124	70-130	
1,2-Dichloroethane	1.60	1.83	114	70-130	
1,2-Dichloropropane	1.60	1.56	98	70-130	
1,3,5-Trimethylbenzene	1.60	1.67	105	70-130	
1,3-Butadiene	1.60	1.99	125	60-140	
1,3-Dichlorobenzene	1.60	1.93	121	70-130	
1,4-Dichlorobenzene	1.60	1.93	121	70-130	
1,4-Dioxane	1.60	1.24	78	60-140	
2,2,4-Trimethylpentane	1.60	1.56	97	70-130	
2-Butanone	1.60	1.54	96	60-140	
2-Hexanone	1.60	1.56	97	60-140	
2-Propanol	4.80	5.32	111	60-140	
3-Chloropropene	1.60	1.86	116	60-140	
4-Ethyltoluene	1.60	1.81	113	70-130	
4-Methyl-2-pentanone (MIBK)	1.60	1.76	110	60-140	
Acetone	4.80	5.53	115	60-140	
alpha-Chlorotoluene	1.60	1.93	121	70-130	
Benzene	1.60	1.54	96	70-130	
Bromodichloromethane	1.60	1.82	114	70-130	
Bromoform	1.60	2.13	133	60-140	
Bromomethane	1.60	1.97	123	70-130	
Carbon disulfide	1.60	1.79	112	70-130	
Carbon tetrachloride	1.60	2.01	126	70-130	
Chlorobenzene	1.60	1.63	102	70-130	
Chloroethane	1.60	2.02	126	70-130	
Chloroform	1.60	1.92	120	70-130	
Chloromethane	1.60	2.15	135	60-140	
cis-1,2-Dichloroethene	1.60	1.57	98	70-130	
cis-1,3-Dichloropropene	1.60	1.72	108	70-130	
Cumene	1.60	1.73	108	70-130	
Cyclohexane	1.60	1.50	94	70-130	
Dibromochloromethane	1.60	1.99	124	70-130	
Ethanol	8.00	11.1	139	60-140	
Ethylbenzene	1.60	1.67	105	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.: 140-19327-1

SDG No.:

Matrix: Air Level: Low Lab File ID: HCCVF15-LCS.d

Lab ID: LCS 140-40282/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 11	1.60	2.10	131	60-140	
Freon 113	1.60	1.89	118	70-130	
Freon 12	1.60	2.19	137	60-140	
Freon-114	1.60	2.02	126	60-140	
Heptane	1.60	1.39	87	70-130	
Hexachlorobutadiene	1.60	2.09	131	60-140	
Hexane	1.60	1.87	117	70-130	
Methyl tert-butyl ether	1.60	1.73	108	60-140	
Methylene Chloride	1.60	1.99	125	70-130	
m-Xylene & p-Xylene	3.20	3.77	118	70-130	
o-Xylene	1.60	1.90	119	70-130	
Propylbenzene	1.60	1.60	100	70-130	
Styrene	1.60	1.67	104	70-130	
Tetrachloroethene	1.60	1.66	104	70-130	
Tetrahydrofuran	1.60	1.69	106	60-140	
Toluene	1.60	1.54	97	70-130	
trans-1,2-Dichloroethene	1.60	1.65	103	70-130	
trans-1,3-Dichloropropene	1.60	1.66	104	70-130	
Trichloroethene	1.60	1.48	92	70-130	
Vinyl chloride	1.60	1.84	115	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.: 140-19327-1

SDG No.:

Lab File ID: H500BF12.D Lab Sample ID: MB 140-40269/8

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

Instrument ID: MH Date Analyzed: 06/12/2020 11:29

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 140-40269/1002	HCCVF12-LCS.d	06/12/2020 08:09
OFFSITE DDC MID-1	140-19327-4	HF12P101R.D	06/12/2020 13:29
OFFSITE DDC MID-1 DL	140-19327-4 DL	HF12P101DL.D	06/13/2020 00:12

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab File ID: H500BF15.D Lab Sample ID: MB 140-40282/5

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

Instrument ID: MH Date Analyzed: 06/15/2020 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 140-40282/1002	HCCVF15-LCS.d	06/15/2020 08:55
SVE EFF DL	140-19327-2 DL	HF15P108.D	06/15/2020 20:52
OFFSITE DDC INF DL	140-19327-3 DL	HF15P109.D	06/15/2020 21:44
OFFSITE DDC MID-2 DL	140-19327-5 DL	HF15P110.D	06/15/2020 22:36
OFFSITE DDC EFF DL	140-19327-6 DL	HF15P111.D	06/15/2020 23:29
SVE INF DL	140-19327-1 DL	HF15P107R.D	06/16/2020 08:03

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab File ID: R500BF11.D Lab Sample ID: MB 140-40256/12

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

Instrument ID: MR Date Analyzed: 06/11/2020 15:48

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 140-40256/1009	RCCVF11C-LCS.d	06/11/2020 12:45
SVE INF	140-19327-1	RF11P106.D	06/11/2020 21:28
SVE EFF	140-19327-2	RF11P107.D	06/11/2020 22:16
OFFSITE DDC INF	140-19327-3	RF11P108.D	06/11/2020 23:03
OFFSITE DDC MID-2	140-19327-5	RF11P109.D	06/11/2020 23:53
OFFSITE DDC EFF	140-19327-6	RF11P110.D	06/12/2020 00:43

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab File ID: HDNUD16X.D BFB Injection Date: 04/16/2020

Instrument ID: MH BFB Injection Time: 06:14

Analysis Batch No.: 39100

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.8	
75	30.0 - 60.0 % of mass 95	48.7	
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	50.0 - 120.00 % of mass 95	82.4	
175	5.0 - 9.0 % of mass 174	5.7	(7.0) 1
176	95.0 - 101.0 % of mass 174	79.5	(96.5) 1
177	5.0 - 9.0 % of mass 176	5.1	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 140-39100/3	HD16IC01.D	04/16/2020	8:03
	IC 140-39100/4	HD16IC02.D	04/16/2020	8:55
	IC 140-39100/5	HD16IC03.D	04/16/2020	9:47
	IC 140-39100/6	HD16IC04.D	04/16/2020	10:40
	IC 140-39100/7	HD16IC05.D	04/16/2020	11:33
	IC 140-39100/8	HD16IC06.D	04/16/2020	12:26
	ICIS 140-39100/9	HD16IC07.D	04/16/2020	13:19
	IC 140-39100/11	HD16IC08.D	04/16/2020	15:04
	IC 140-39100/13	HD16C09.D	04/16/2020	16:49
	IC 140-39100/15	HD16IC10.D	04/16/2020	18:34
	ICV 140-39100/17	HD16ICV.D	04/16/2020	20:21

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab File ID: HBFBF12.D BFB Injection Date: 06/12/2020

Instrument ID: MH BFB Injection Time: 07:41

Analysis Batch No.: 40269

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.4	
75	30.0 - 60.0 % of mass 95	54.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.5	(0.6) 1
174	50.0 - 120.00 % of mass 95	82.6	
175	5.0 - 9.0 % of mass 174	5.8	(7.0) 1
176	95.0 - 101.0 % of mass 174	78.8	(95.4) 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 140-40269/2	HCCVF12.D	06/12/2020	8:09
	LCS 140-40269/1002	HCCVF12-LCS.d	06/12/2020	8:09
	MB 140-40269/8	H500BF12.D	06/12/2020	11:29
OFFSITE DDC MID-1	140-19327-4	HF12P101R.D	06/12/2020	13:29
OFFSITE DDC MID-1 DL	140-19327-4 DL	HF12P101DL.D	06/13/2020	0:12

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab File ID: HBFBF15.D BFB Injection Date: 06/15/2020

Instrument ID: MH BFB Injection Time: 08:27

Analysis Batch No.: 40282

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.6	
75	30.0 - 60.0 % of mass 95	54.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.4	(0.5) 1
174	50.0 - 120.00 % of mass 95	77.8	
175	5.0 - 9.0 % of mass 174	5.5	(7.1) 1
176	95.0 - 101.0 % of mass 174	75.7	(97.3) 1
177	5.0 - 9.0 % of mass 176	4.8	(6.3) 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 140-40282/2	HCCVF15.D	06/15/2020	8:55
	LCS 140-40282/1002	HCCVF15-LCS.d	06/15/2020	8:55
	MB 140-40282/5	H500BF15.D	06/15/2020	12:13
SVE EFF DL	140-19327-2 DL	HF15P108.D	06/15/2020	20:52
OFFSITE DDC INF DL	140-19327-3 DL	HF15P109.D	06/15/2020	21:44
OFFSITE DDC MID-2 DL	140-19327-5 DL	HF15P110.D	06/15/2020	22:36
OFFSITE DDC EFF DL	140-19327-6 DL	HF15P111.D	06/15/2020	23:29
SVE INF DL	140-19327-1 DL	HF15P107R.D	06/16/2020	8:03

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab File ID: RBFBE13.D BFB Injection Date: 05/13/2020

Instrument ID: MR BFB Injection Time: 07:13

Analysis Batch No.: 39590

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	23.4	
75	30.0 - 60.0 % of mass 95	55.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.8	(0.9) 1
174	50.0 - 120.00 % of mass 95	89.9	
175	5.0 - 9.0 % of mass 174	7.8	(8.6) 1
176	95.0 - 101.0 % of mass 174	90.3	(100.4) 1
177	5.0 - 9.0 % of mass 176	5.7	(6.3) 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 140-39590/4	RE13IC10.D	05/13/2020	10:05
	IC 140-39590/6	RE13IC09.D	05/13/2020	11:40
	IC 140-39590/8	RE13IC08.D	05/13/2020	13:16
	IC 140-39590/11	RE13IC06.D	05/13/2020	15:40
	IC 140-39590/12	RE13IC05.D	05/13/2020	16:29
	IC 140-39590/13	RE13IC04.D	05/13/2020	17:19
	IC 140-39590/14	RE13IC03.D	05/13/2020	18:08
	IC 140-39590/15	RE13IC02.D	05/13/2020	18:57
	IC 140-39590/16	RE13IC01.D	05/13/2020	19:45
	ICV 140-39590/18	RE13ICV.D	05/13/2020	21:19
	ICIS 140-39590/22	RE13TEST.D	05/14/2020	0:39

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab File ID: RBFBF11C.D BFB Injection Date: 06/11/2020

Instrument ID: MR BFB Injection Time: 12:12

Analysis Batch No.: 40256

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.7	
75	30.0 - 60.0 % of mass 95	55.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.2	
173	Less than 2.0 % of mass 174	1.1	(1.3) 1
174	50.0 - 120.00 % of mass 95	83.7	
175	5.0 - 9.0 % of mass 174	5.9	(7.0) 1
176	95.0 - 101.0 % of mass 174	82.2	(98.2) 1
177	5.0 - 9.0 % of mass 176	5.5	(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 140-40256/9	RCCVF11C.D	06/11/2020	12:45
	LCS 140-40256/1009	RCCVF11C-LCS.	06/11/2020	12:45
	MB 140-40256/12	R500BF11.D	06/11/2020	15:48
SVE INF	140-19327-1	RF11P106.D	06/11/2020	21:28
SVE EFF	140-19327-2	RF11P107.D	06/11/2020	22:16
OFFSITE DDC INF	140-19327-3	RF11P108.D	06/11/2020	23:03
OFFSITE DDC MID-2	140-19327-5	RF11P109.D	06/11/2020	23:53
OFFSITE DDC EFF	140-19327-6	RF11P110.D	06/12/2020	0:43

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Sample No.: ICIS 140-39100/9 Date Analyzed: 04/16/2020 13:19

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

Lab File ID (Standard): HD16IC07.D Heated Purge: (Y/N) N

Calibration ID: 2402

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		238129	8.59	1621590	10.79	1350213	15.58
UPPER LIMIT		333381	8.92	2270226	11.12	1890298	15.91
LOWER LIMIT		142877	8.26	972954	10.46	810128	15.25
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 140-39100/17		348376*3	8.59	2365337*3	10.79	1913911*3	15.57

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.: 140-19327-1

SDG No.:

Sample No.: CCVIS 140-40269/2 Date Analyzed: 06/12/2020 08:09

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

Lab File ID (Standard): HCCVF12.D Heated Purge: (Y/N) N

Calibration ID: 2402

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		148005	8.58	1110205	10.78	874458	15.57
UPPER LIMIT		207207	8.91	1554287	11.11	1224241	15.90
LOWER LIMIT		88803	8.25	666123	10.45	524675	15.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 140-40269/1002		148005	8.58	1110205	10.78	874458	15.57
MB 140-40269/8		165056	8.58	1200457	10.78	906826	15.57
140-19327-4	OFFSITE DDC MID-1	160857	8.58	1186375	10.78	1018884	15.57
140-19327-4 DL	OFFSITE DDC MID-1 DL	122215	8.58	902853	10.78	713007	15.57

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.: 140-19327-1

SDG No.:

Sample No.: CCVIS 140-40282/2 Date Analyzed: 06/15/2020 08:55

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

Lab File ID (Standard): HCCVF15.D Heated Purge: (Y/N) N

Calibration ID: 2402

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		129005	8.57	974841	10.78	764384	15.57
UPPER LIMIT		180607	8.90	1364777	11.11	1070138	15.90
LOWER LIMIT		77403	8.24	584905	10.45	458630	15.24
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 140-40282/1002		129005	8.57	974841	10.78	764384	15.57
MB 140-40282/5		135515	8.57	948328	10.77	703465	15.57
140-19327-2 DL	SVE EFF DL	110454	8.57	796166	10.78	658688	15.57
140-19327-3 DL	OFFSITE DDC INF DL	111626	8.57	810115	10.78	655624	15.57
140-19327-5 DL	OFFSITE DDC MID-2 DL	117426	8.58	846388	10.78	645256	15.57
140-19327-6 DL	OFFSITE DDC EFF DL	104176	8.57	735812	10.78	551669	15.57
140-19327-1 DL	SVE INF DL	167505	8.57	1197411	10.77	921496	15.57

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.: 140-19327-1

SDG No.:

Sample No.: ICIS 140-39590/22 Date Analyzed: 05/14/2020 00:39

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

Lab File ID (Standard): RE13TEST.D Heated Purge: (Y/N) N

Calibration ID: 2439

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		214688	8.33	1490375	10.57	1261458	15.41
UPPER LIMIT		300563	8.66	2086525	10.90	1766041	15.74
LOWER LIMIT		128813	8.00	894225	10.24	756875	15.08
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 140-39590/18		224671	8.33	1510144	10.57	1284731	15.41

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.: 140-19327-1

SDG No.:

Sample No.: CCVIS 140-40256/9 Date Analyzed: 06/11/2020 12:45

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

Lab File ID (Standard): RCCVF11C.D Heated Purge: (Y/N) N

Calibration ID: 2439

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		177756	8.32	1222146	10.56	1052535	15.40
UPPER LIMIT		248858	8.65	1711004	10.89	1473549	15.73
LOWER LIMIT		106654	7.99	733288	10.23	631521	15.07
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 140-40256/1009		177756	8.32	1222146	10.56	1052535	15.40
MB 140-40256/12		142104	8.32	1098532	10.56	900993	15.39
140-19327-2	SVE EFF	167104	8.32	1169088	10.56	1004058	15.39
140-19327-3	OFFSITE DDC INF	178280	8.31	1210240	10.56	981298	15.39
140-19327-5	OFFSITE DDC MID-2	174675	8.32	1209520	10.57	982703	15.39
140-19327-6	OFFSITE DDC EFF	172325	8.33	1255740	10.57	1050746	15.40

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.: 140-19327-1

SDG No.:

Client Sample ID: SVE INF Lab Sample ID: 140-19327-1

Matrix: Air Lab File ID: RF11P106.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 11:38

Sample wt/vol: 50(mL) Date Analyzed: 06/11/2020 21:28

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.: 40256 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.80	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.80	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.80	
75-34-3	1,1-Dichloroethane	98.96	ND		0.80	
75-35-4	1,1-Dichloroethene	96.94	ND		0.40	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.80	
95-63-6	1,2,4-Trimethylbenzene	120.20	8.6		0.80	
106-93-4	1,2-Dibromoethane	187.87	ND		0.80	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.80	
107-06-2	1,2-Dichloroethane	98.96	ND		0.80	
78-87-5	1,2-Dichloropropane	112.99	ND		0.80	
108-67-8	1,3,5-Trimethylbenzene	120.20	3.0		0.80	
106-99-0	1,3-Butadiene	54.09	ND		1.6	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.80	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.80	
123-91-1	1,4-Dioxane	88.11	ND		2.0	
540-84-1	2,2,4-Trimethylpentane	114.23	10		2.0	
78-93-3	2-Butanone	72.11	9.9		3.2	
591-78-6	2-Hexanone	100.20	ND		2.0	
67-63-0	*2-Propanol*	*60.10*	*880*	*E*	*8.0*	
107-05-1	3-Chloropropene	76.53	ND		0.80	
622-96-8	4-Ethyltoluene	120.20	2.5		1.6	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		2.0	
67-64-1	Acetone	58.08	46		20	
100-44-7	alpha-Chlorotoluene	126.58	ND		1.6	
71-43-2	Benzene	78.11	3.9		0.80	
75-27-4	Bromodichloromethane	163.83	ND		0.80	
75-25-2	Bromoform	252.75	ND		0.80	
74-83-9	Bromomethane	94.94	ND		0.80	
75-15-0	Carbon disulfide	76.14	ND		2.0	
56-23-5	Carbon tetrachloride	153.81	ND		0.32	
108-90-7	Chlorobenzene	112.56	ND		0.80	
75-00-3	Chloroethane	64.52	ND		0.80	
67-66-3	Chloroform	119.38	ND		0.80	
74-87-3	Chloromethane	50.49	ND		2.0	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: SVE INF Lab Sample ID: 140-19327-1

Matrix: Air Lab File ID: RF11P106.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 11:38

Sample wt/vol: 50(mL) Date Analyzed: 06/11/2020 21:28

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.: 40256 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	3.4		0.40	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.80	
98-82-8	Cumene	120.19	ND		1.6	
110-82-7	Cyclohexane	84.16	4.8		2.0	
124-48-1	Dibromochloromethane	208.29	ND		0.80	
64-17-5	Ethanol	46.07	210		20	
100-41-4	Ethylbenzene	106.17	6.1		0.80	
75-69-4	Freon 11	137.37	ND		0.80	
76-13-1	Freon 113	187.38	ND		0.80	
75-71-8	Freon 12	120.91	ND	*	0.80	
76-14-2	Freon-114	170.92	ND	*	0.80	
142-82-5	Heptane	100.21	7.4		2.0	
87-68-3	Hexachlorobutadiene	260.76	ND		0.80	
110-54-3	Hexane	86.17	9.9		2.0	
1634-04-4	Methyl tert-butyl ether	88.15	ND		1.6	
75-09-2	Methylene Chloride	84.93	ND		4.0	
179601-23-1	m-Xylene & p-Xylene	106.17	21		0.80	
95-47-6	o-Xylene	106.17	8.2		0.80	
103-65-1	Propylbenzene	120.19	1.7		1.6	
100-42-5	Styrene	104.15	ND		0.80	
127-18-4	Tetrachloroethene	165.83	ND		0.80	
109-99-9	Tetrahydrofuran	72.11	5.7		4.0	
108-88-3	Toluene	92.14	31		1.2	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.80	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.80	
79-01-6	Trichloroethene	131.39	1.2		0.36	
75-01-4	Vinyl chloride	62.50	ND		0.40	

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.: 140-19327-1

SDG No.:

Client Sample ID: SVE INF Lab Sample ID: 140-19327-1

Matrix: Air Lab File ID: RF11P106.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 11:38

Sample wt/vol: 50(mL) Date Analyzed: 06/11/2020 21:28

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.: 40256 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		4.4	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		5.5	
79-00-5	1,1,2-Trichloroethane	133.41	ND		4.4	
75-34-3	1,1-Dichloroethane	98.96	ND		3.2	
75-35-4	1,1-Dichloroethene	96.94	ND		1.6	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		5.9	
95-63-6	1,2,4-Trimethylbenzene	120.20	42		3.9	
106-93-4	1,2-Dibromoethane	187.87	ND		6.1	
95-50-1	1,2-Dichlorobenzene	147.00	ND		4.8	
107-06-2	1,2-Dichloroethane	98.96	ND		3.2	
78-87-5	1,2-Dichloropropane	112.99	ND		3.7	
108-67-8	1,3,5-Trimethylbenzene	120.20	15		3.9	
106-99-0	1,3-Butadiene	54.09	ND		3.5	
541-73-1	1,3-Dichlorobenzene	147.00	ND		4.8	
106-46-7	1,4-Dichlorobenzene	147.00	ND		4.8	
123-91-1	1,4-Dioxane	88.11	ND		7.2	
540-84-1	2,2,4-Trimethylpentane	114.23	49		9.3	
78-93-3	2-Butanone	72.11	29		9.4	
591-78-6	2-Hexanone	100.20	ND		8.2	
67-63-0	*2-Propanol*	*60.10*	*2200*	*E*	*20*	
107-05-1	3-Chloropropene	76.53	ND		2.5	
622-96-8	4-Ethyltoluene	120.20	13		7.9	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		8.2	
67-64-1	Acetone	58.08	110		48	
100-44-7	alpha-Chlorotoluene	126.58	ND		8.3	
71-43-2	Benzene	78.11	12		2.6	
75-27-4	Bromodichloromethane	163.83	ND		5.4	
75-25-2	Bromoform	252.75	ND		8.3	
74-83-9	Bromomethane	94.94	ND		3.1	
75-15-0	Carbon disulfide	76.14	ND		6.2	
56-23-5	Carbon tetrachloride	153.81	ND		2.0	
108-90-7	Chlorobenzene	112.56	ND		3.7	
75-00-3	Chloroethane	64.52	ND		2.1	
67-66-3	Chloroform	119.38	ND		3.9	
74-87-3	Chloromethane	50.49	ND		4.1	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: SVE INF Lab Sample ID: 140-19327-1

Matrix: Air Lab File ID: RF11P106.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 11:38

Sample wt/vol: 50(mL) Date Analyzed: 06/11/2020 21:28

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.: 40256 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	14		1.6	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		3.6	
98-82-8	Cumene	120.19	ND		7.9	
110-82-7	Cyclohexane	84.16	17		6.9	
124-48-1	Dibromochloromethane	208.29	ND		6.8	
64-17-5	Ethanol	46.07	400		38	
100-41-4	Ethylbenzene	106.17	27		3.5	
75-69-4	Freon 11	137.37	ND		4.5	
76-13-1	Freon 113	187.38	ND		6.1	
75-71-8	Freon 12	120.91	ND	*	4.0	
76-14-2	Freon-114	170.92	ND	*	5.6	
142-82-5	Heptane	100.21	30		8.2	
87-68-3	Hexachlorobutadiene	260.76	ND		8.5	
110-54-3	Hexane	86.17	35		7.0	
1634-04-4	Methyl tert-butyl ether	88.15	ND		5.8	
75-09-2	Methylene Chloride	84.93	ND		14	
179601-23-1	m-Xylene & p-Xylene	106.17	91		3.5	
95-47-6	o-Xylene	106.17	36		3.5	
103-65-1	Propylbenzene	120.19	8.2		7.9	
100-42-5	Styrene	104.15	ND		3.4	
127-18-4	Tetrachloroethene	165.83	ND		5.4	
109-99-9	Tetrahydrofuran	72.11	17		12	
108-88-3	Toluene	92.14	120		4.5	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		3.2	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		3.6	
79-01-6	Trichloroethene	131.39	6.2		1.9	
75-01-4	Vinyl chloride	62.50	ND		1.0	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D
Lims ID: 140-19327-A-1
Client ID: SVE INF
Sample Type: Client
Inject. Date: 11-Jun-2020 21:28:30 ALS Bottle#: 6 Worklist Smp#: 19
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015714-019
Misc. Info.: 140-19327-a-1
Operator ID: HMT Instrument ID: MR

Method: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Jun-2020 12:22:40 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1031

First Level Reviewer: khachitpongpanits Date: 12-Jun-2020 12:24:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.323	8.318	0.005	79	154810	4.00	
* 2 1,4-Difluorobenzene	114	10.561	10.561	0.000	93	1081065	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.398	15.398	0.000	83	909747	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.042	17.048	-0.006	94	473420	3.86	
8 Dichlorodifluoromethane	85	3.383	3.378	0.005	62	4890	0.0584	
17 Ethanol	31	4.332	4.322	0.010	96	902225	21.3	
20 Trichlorofluoromethane	101	4.758	4.748	0.010	72	9076	0.0458	
23 Acetone	58	4.888	4.877	0.011	98	126361	4.57	
25 Isopropyl alcohol	45	4.990	4.969	0.021	100	6522625	87.6	E
33 Carbon disulfide	76	5.939	5.934	0.005	67	9048	0.0566	
39 2-Butanone (MEK)	72	7.568	7.557	0.011	91	26918	0.99	
40 Hexane	56	7.595	7.579	0.016	94	33896	0.9884	
42 cis-1,2-Dichloroethene	96	7.983	8.004	-0.006	76	20188	0.3418	
44 Chloroform	83	8.344	8.328	0.010	28	4510	0.0374	
46 Tetrahydrofuran	42	8.754	8.727	0.027	89	31898	0.5733	
47 1,1,1-Trichloroethane	97	9.363	9.376	0.005	33	7029	0.0528	
50 Cyclohexane	69	9.967	9.973	-0.006	68	12182	0.4825	
51 Benzene	78	9.984	9.978	0.006	92	67172	0.3880	
52 Carbon tetrachloride	117	9.994	10.000	-0.006	11	1979	0.0136	
55 Isooctane	57	10.787	10.771	0.011	95	221405	1.04	
56 n-Heptane	71	11.181	11.175	0.006	93	40763	0.7433	
58 Trichloroethene	130	11.283	11.306	-0.011	87	10498	0.1158	
64 4-Methyl-2-pentanone (MIBK)	43	12.529	12.513	0.016	72	9064	0.0650	
67 Toluene	91	13.402	13.398	-0.001	93	625212	3.07	
73 Tetrachloroethene	129	14.556	14.557	-0.006	40	3667	0.0438	
76 Ethylbenzene	91	15.737	15.737	0.000	97	165584	0.6133	
77 m-Xylene & p-Xylene	91	15.899	15.899	-0.006	97	450245	2.09	
80 Styrene	104	16.363	16.357	0.000	38	5547	0.0362	
81 o-Xylene	91	16.422	16.422	-0.006	98	182608	0.8243	
84 Isopropylbenzene	105	17.015	17.021	-0.006	89	22333	0.0655	
85 N-Propylbenzene	120	17.565	17.565	0.000	99	15685	0.1674	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
87 4-Ethyltoluene	105	17.722	17.721	-0.005	95	86732	0.2544	
88 1,3,5-Trimethylbenzene	120	17.797	17.796	-0.006	89	43500	0.3027	
92 1,2,4-Trimethylbenzene	105	18.250	18.244	0.000	97	246461	0.8618	
94 1,3-Dichlorobenzene	146	18.514	18.519	-0.011	41	5870	0.0280	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

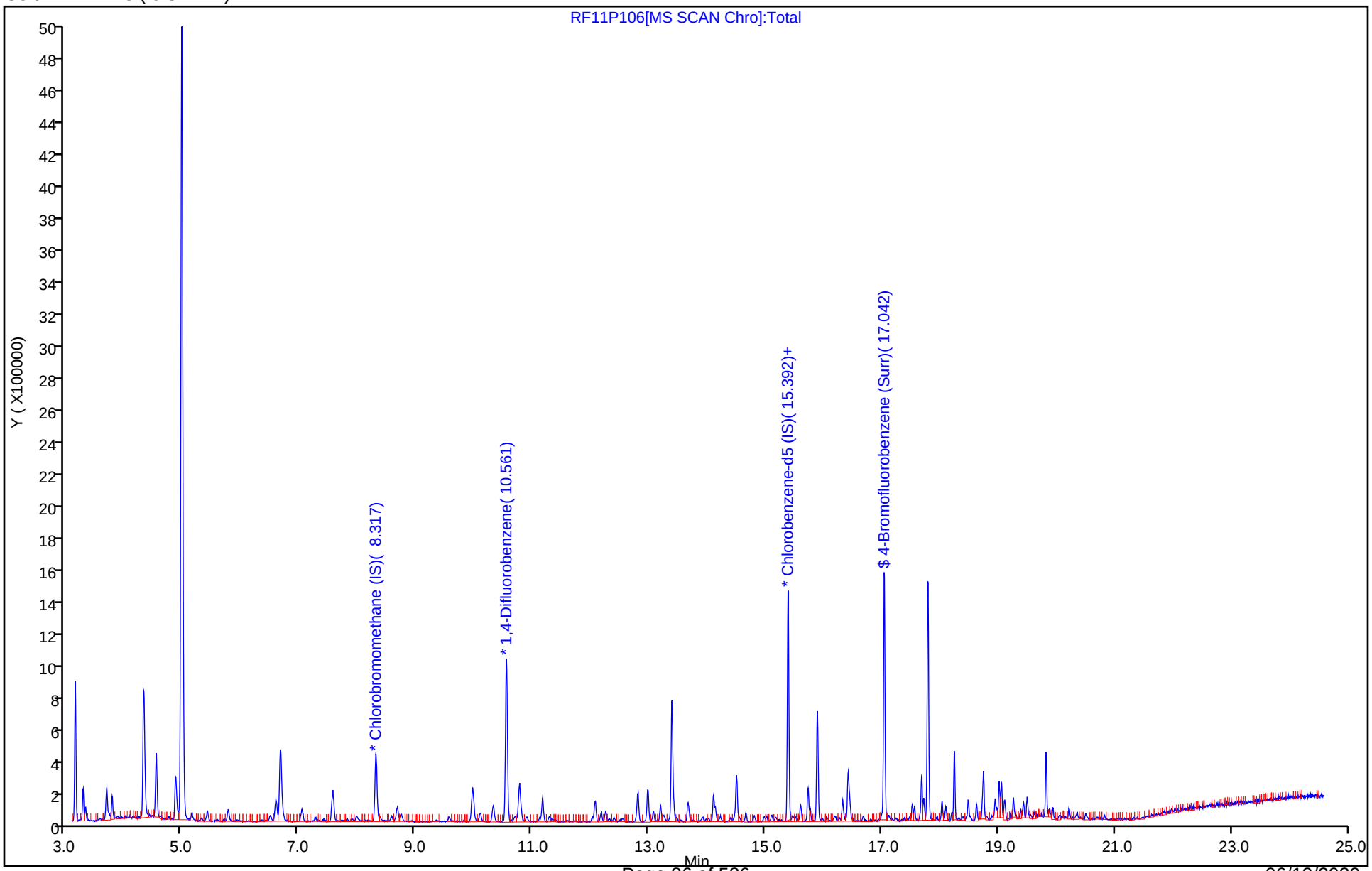
Report Date: 12-Jun-2020 12:24:51 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D

Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1	Worklist Smp#:	19
Client ID:	SVE INF				
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)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D				
Lims ID:	140-19327-A-1				
Client ID:	SVE INF				
Sample Type:	Client				
Inject. Date:	11-Jun-2020 21:28:30	ALS Bottle#:	6	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0015714-019				
Misc. Info.:	140-19327-a-1				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Jun-2020 12:22:40	Calib Date:	14-May-2020 00:39:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1031				

First Level Reviewer: khachitpongpanits Date: 12-Jun-2020 12:24:50

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.86	96.46

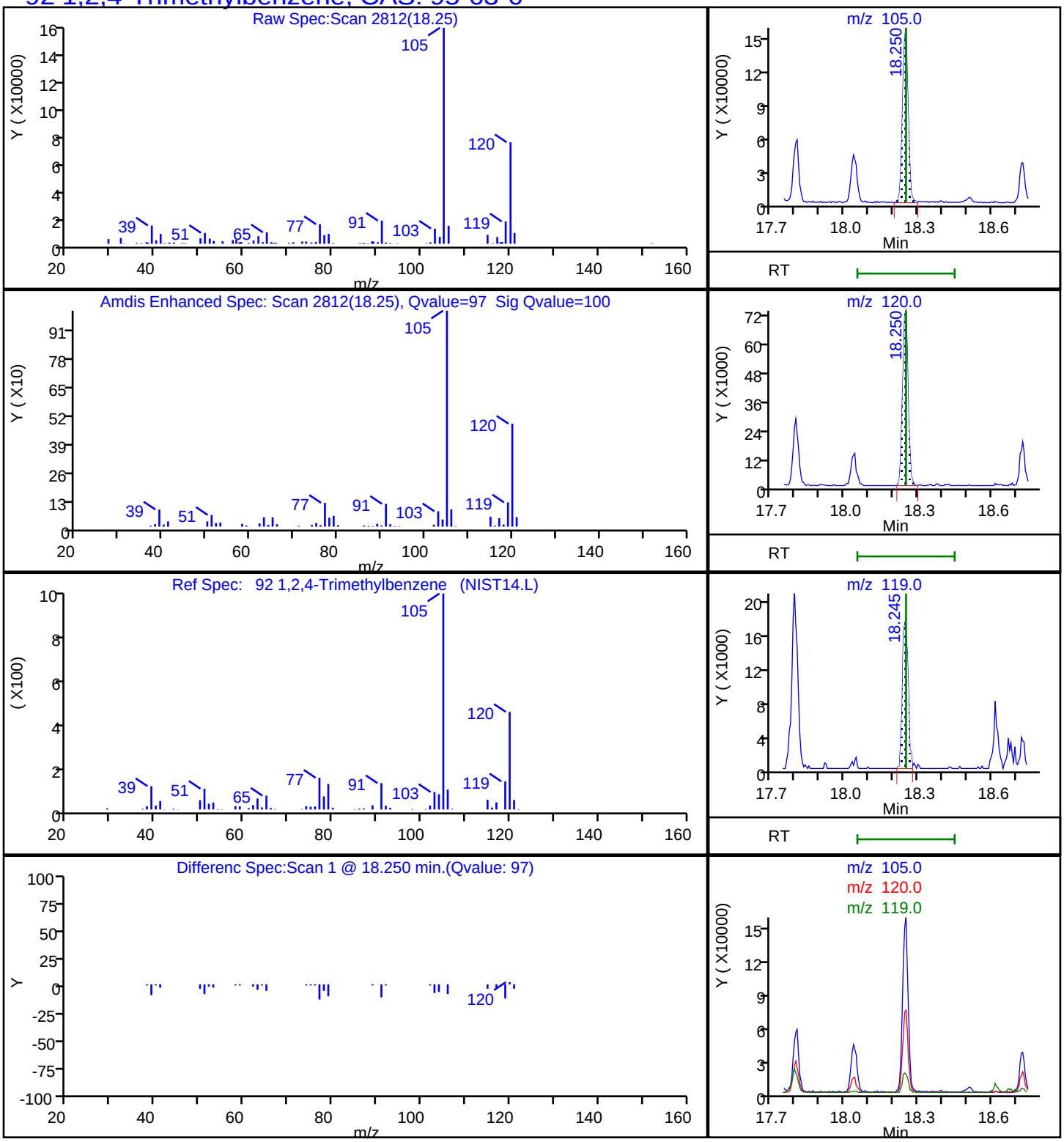
Report Date: 12-Jun-2020 12:24:52 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D

Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR		
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1		
Client ID:	SVE INF				
Operator ID:	HMT	ALS Bottle#:	6	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		

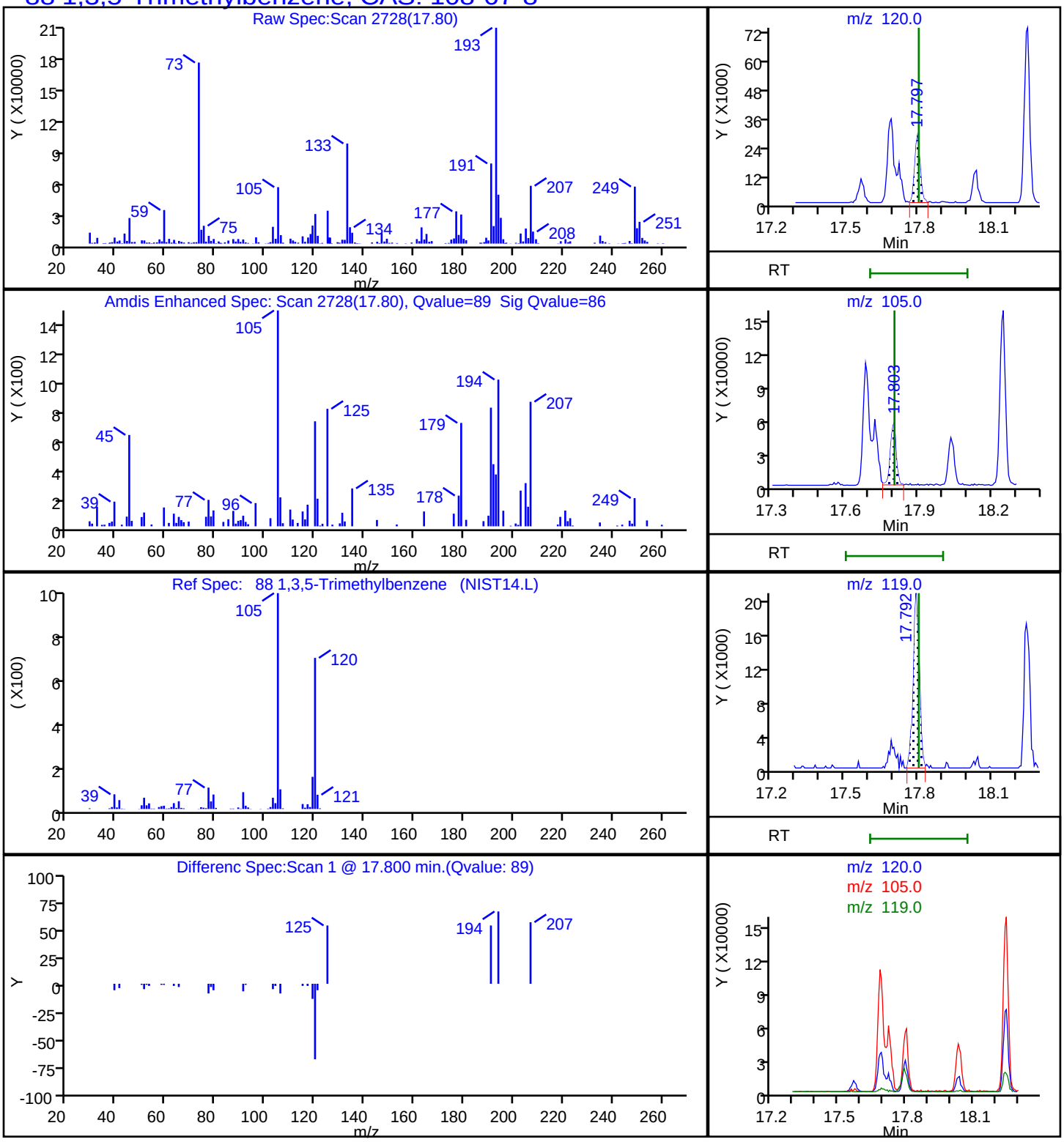
92 1,2,4-Trimethylbenzene, CAS: 95-63-6



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D				
Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR		
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1		
Client ID:	SVE INF				
Operator ID:	HMT	ALS Bottle#:	6	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		

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



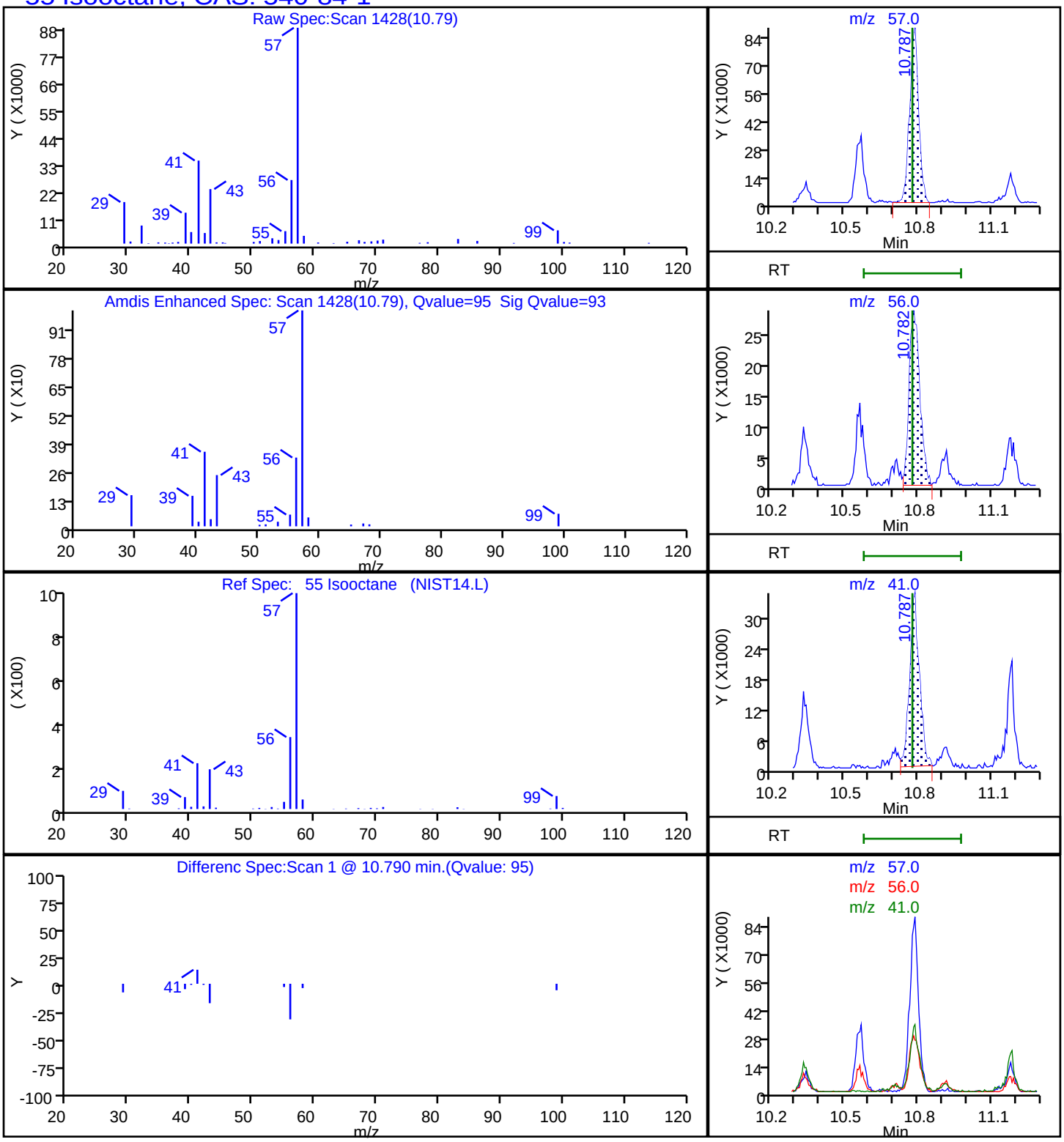
Report Date: 12-Jun-2020 12:24:52 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D

Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1
Client ID:	SVE INF		
Operator ID:	HMT	ALS Bottle#:	6 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

55 Isooctane, CAS: 540-84-1

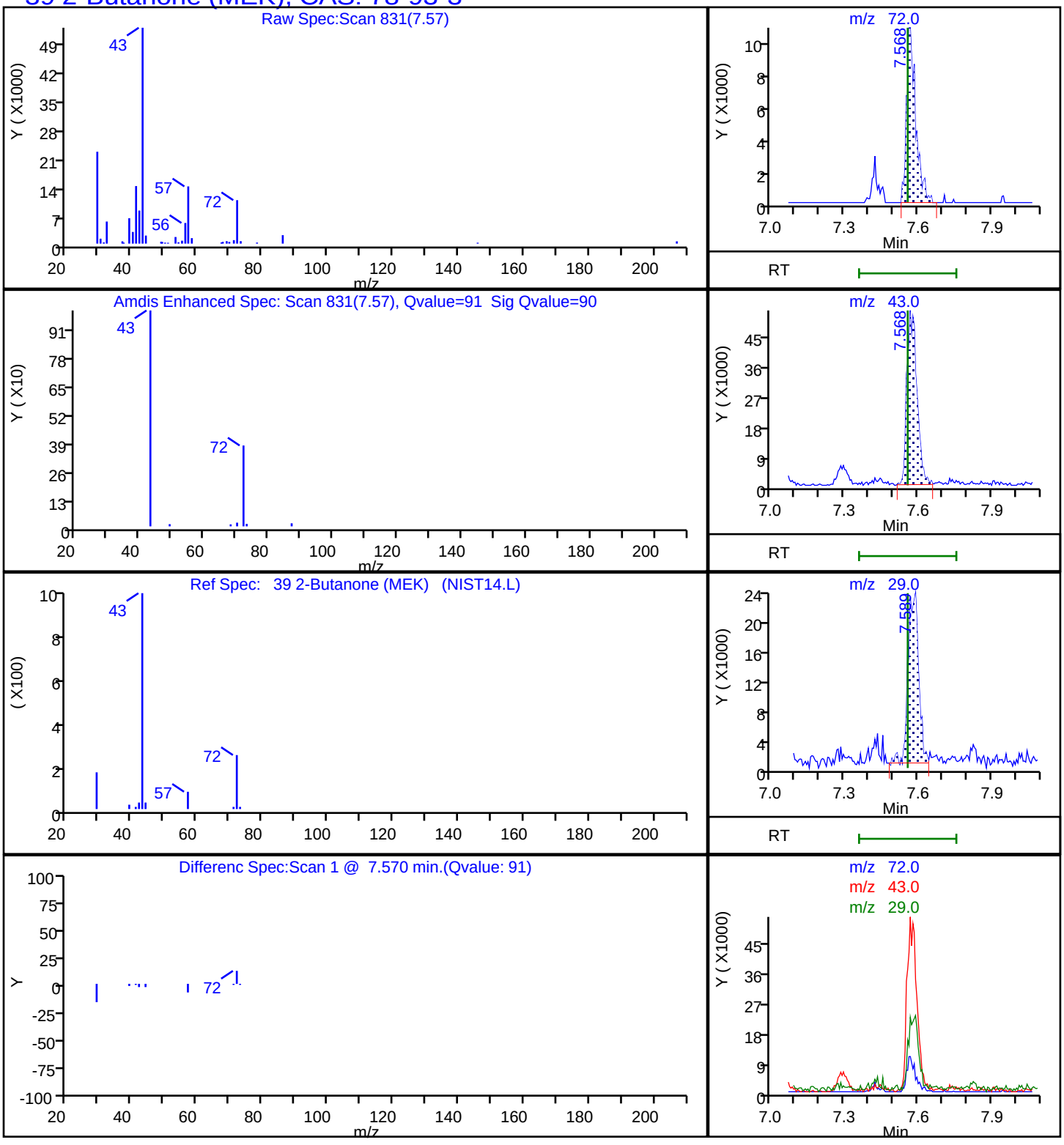


Report Date: 12-Jun-2020 12:24:51 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D		
Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1
Client ID:	SVE INF		
Operator ID:	HMT	ALS Bottle#:	6 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

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

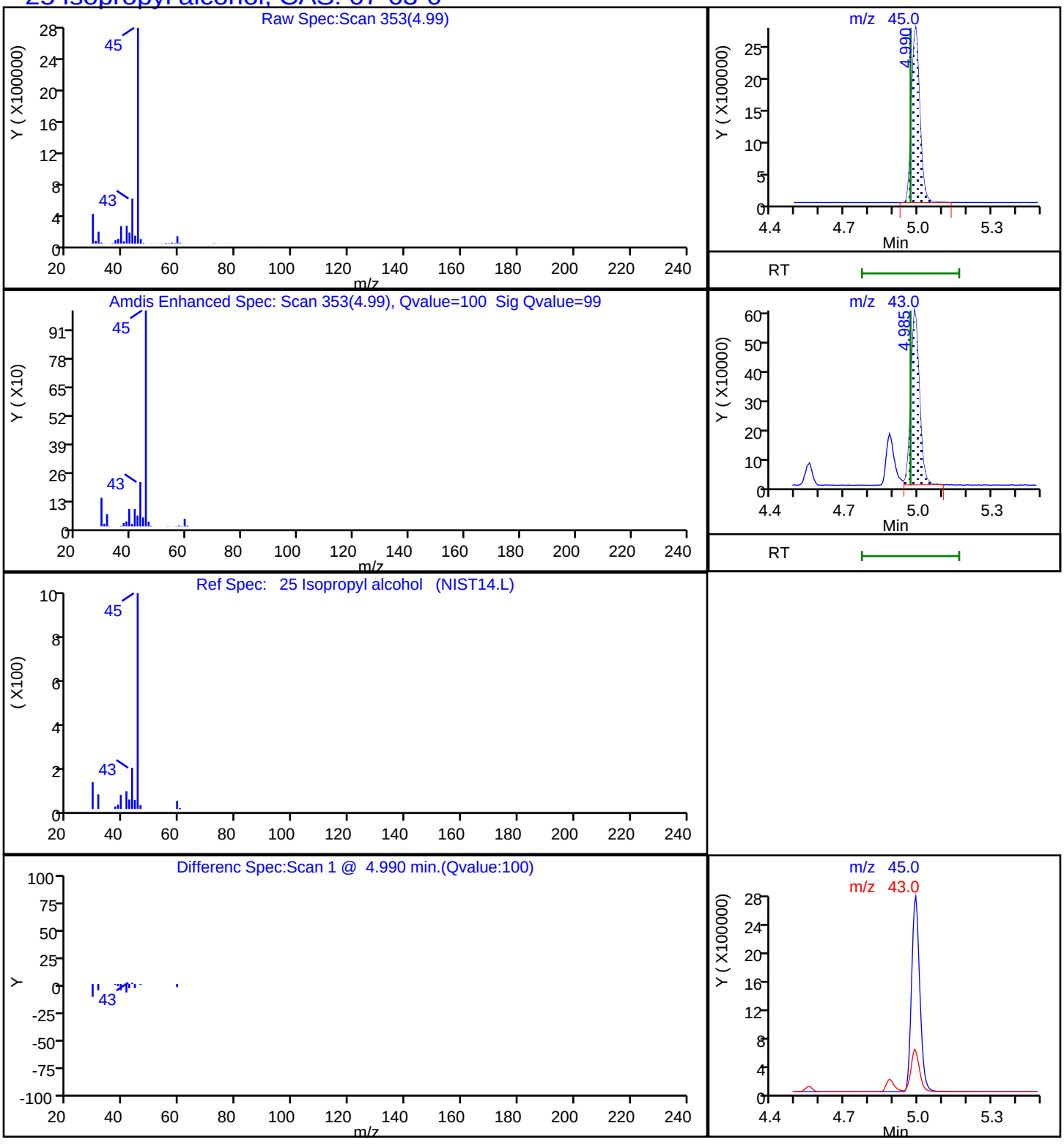


Report Date: 12-Jun-2020 12:24:51 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D		
Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1
Client ID:	SVE INF		
Operator ID:	HMT	ALS Bottle#:	6 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

25 Isopropyl alcohol, CAS: 67-63-0

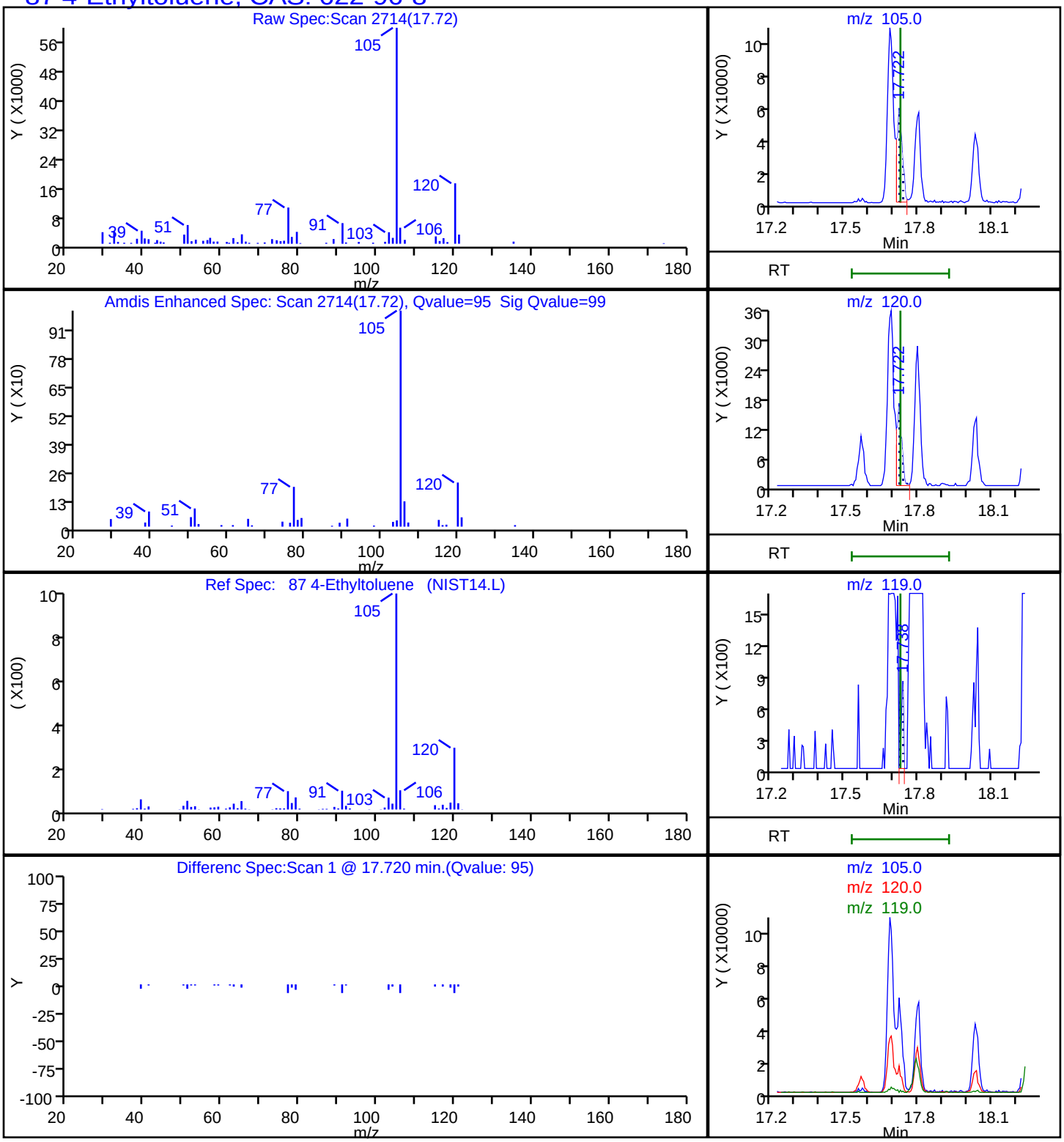


Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D

Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1
Client ID:	SVE INF		
Operator ID:	HMT	ALS Bottle#:	6 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

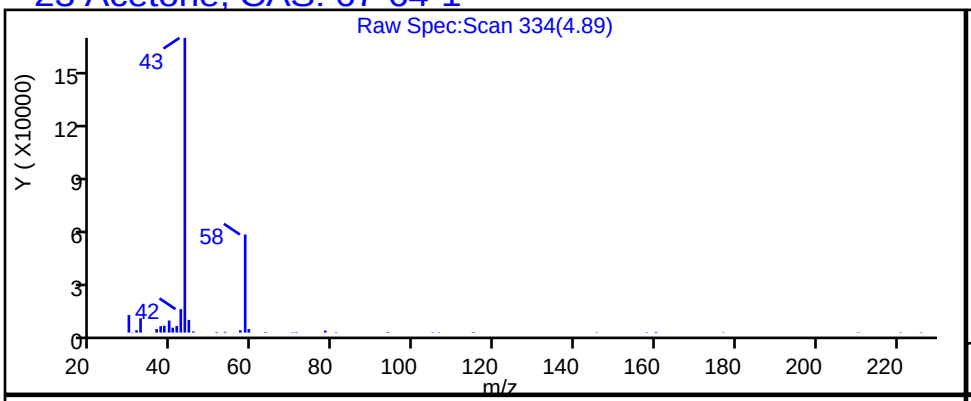
87 4-Ethyltoluene, CAS: 622-96-8

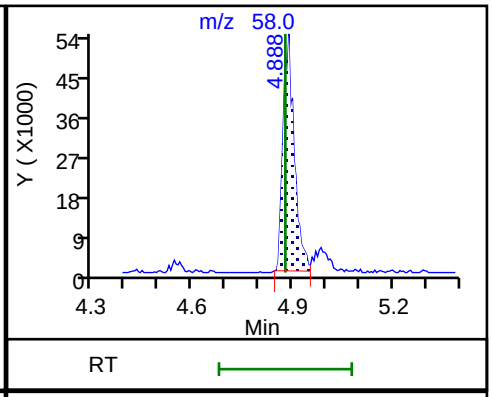


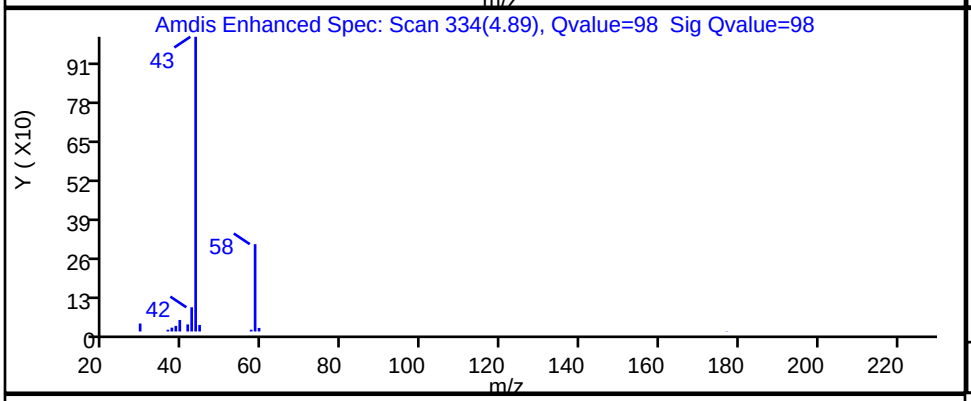
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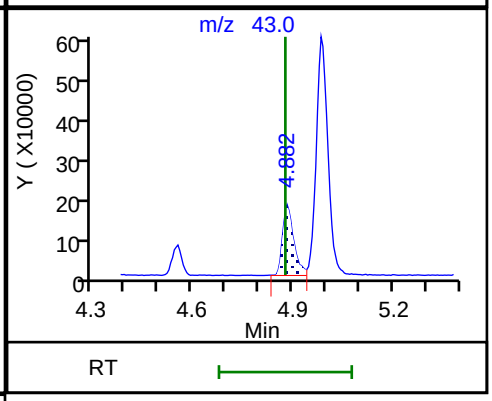
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Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1
Client ID:	SVE INF		
Operator ID:	HMT	ALS Bottle#:	6 Worklist Smp#: 19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

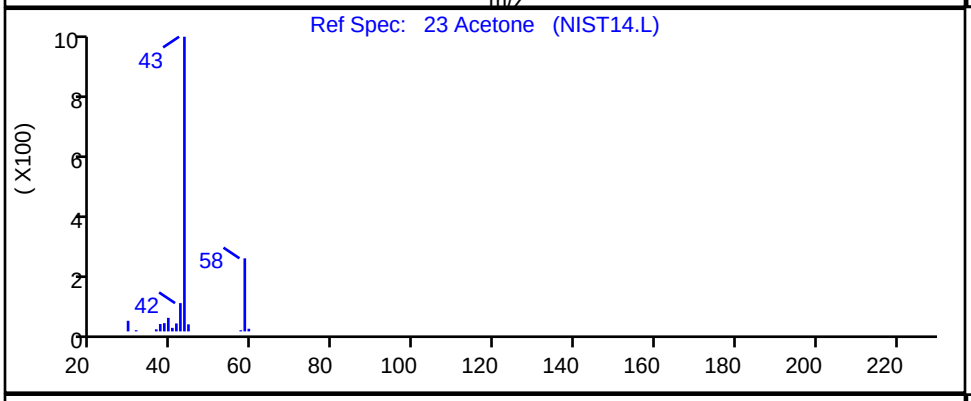
23 Acetone, CAS: 67-64-1

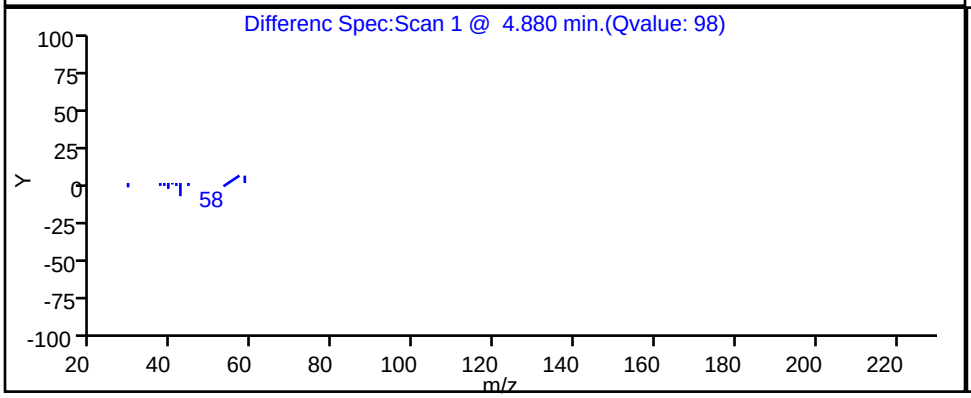


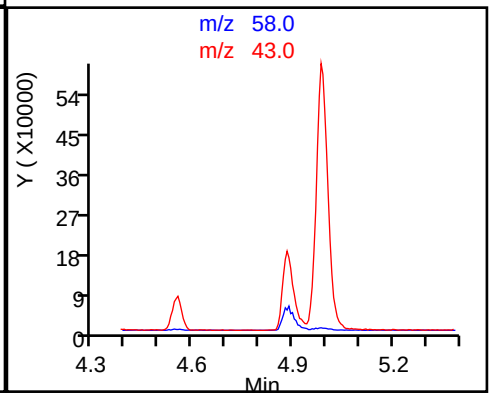










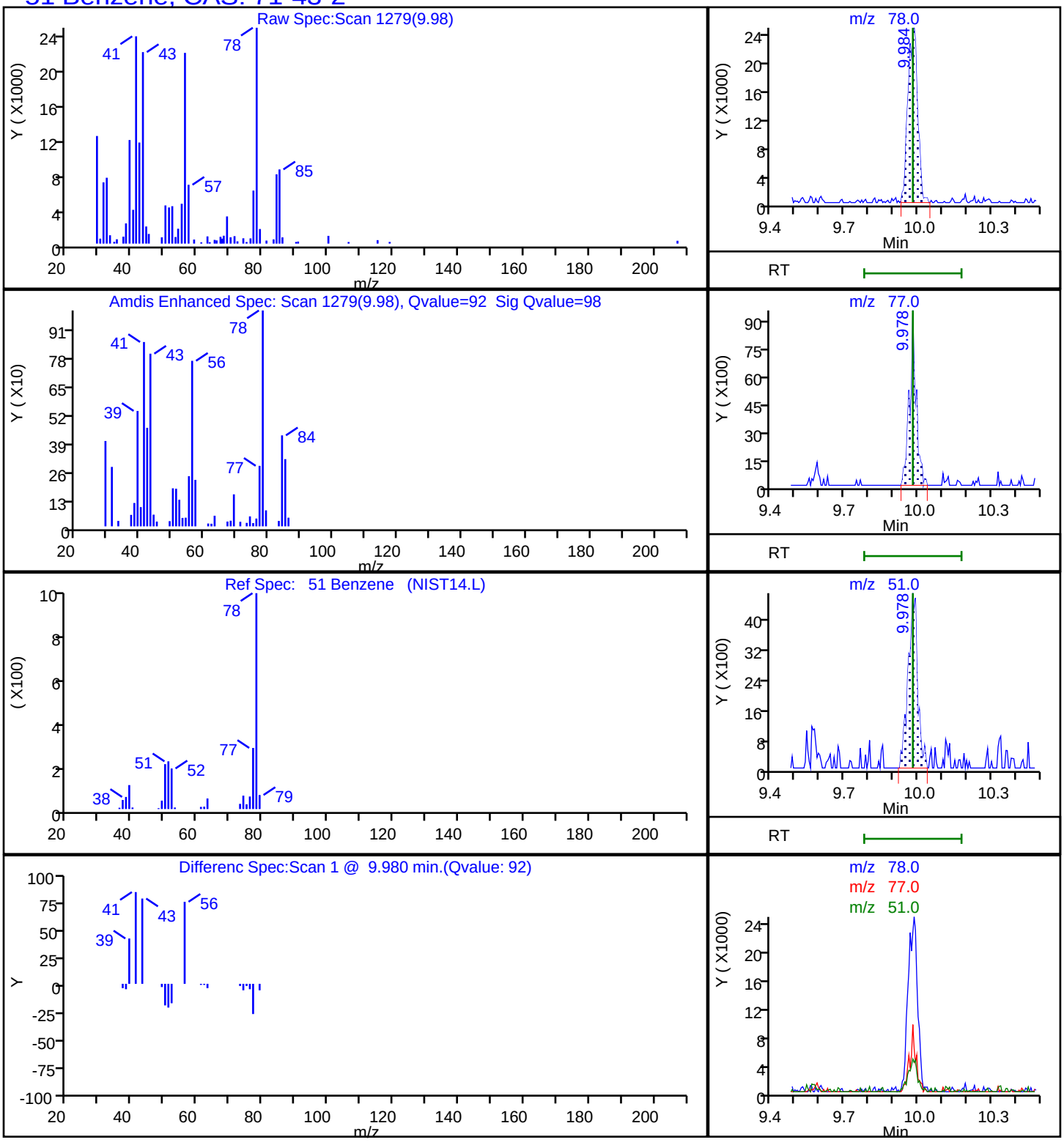


Report Date: 12-Jun-2020 12:24:52 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D		
Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1
Client ID:	SVE INF		
Operator ID:	HMT	ALS Bottle#:	6 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

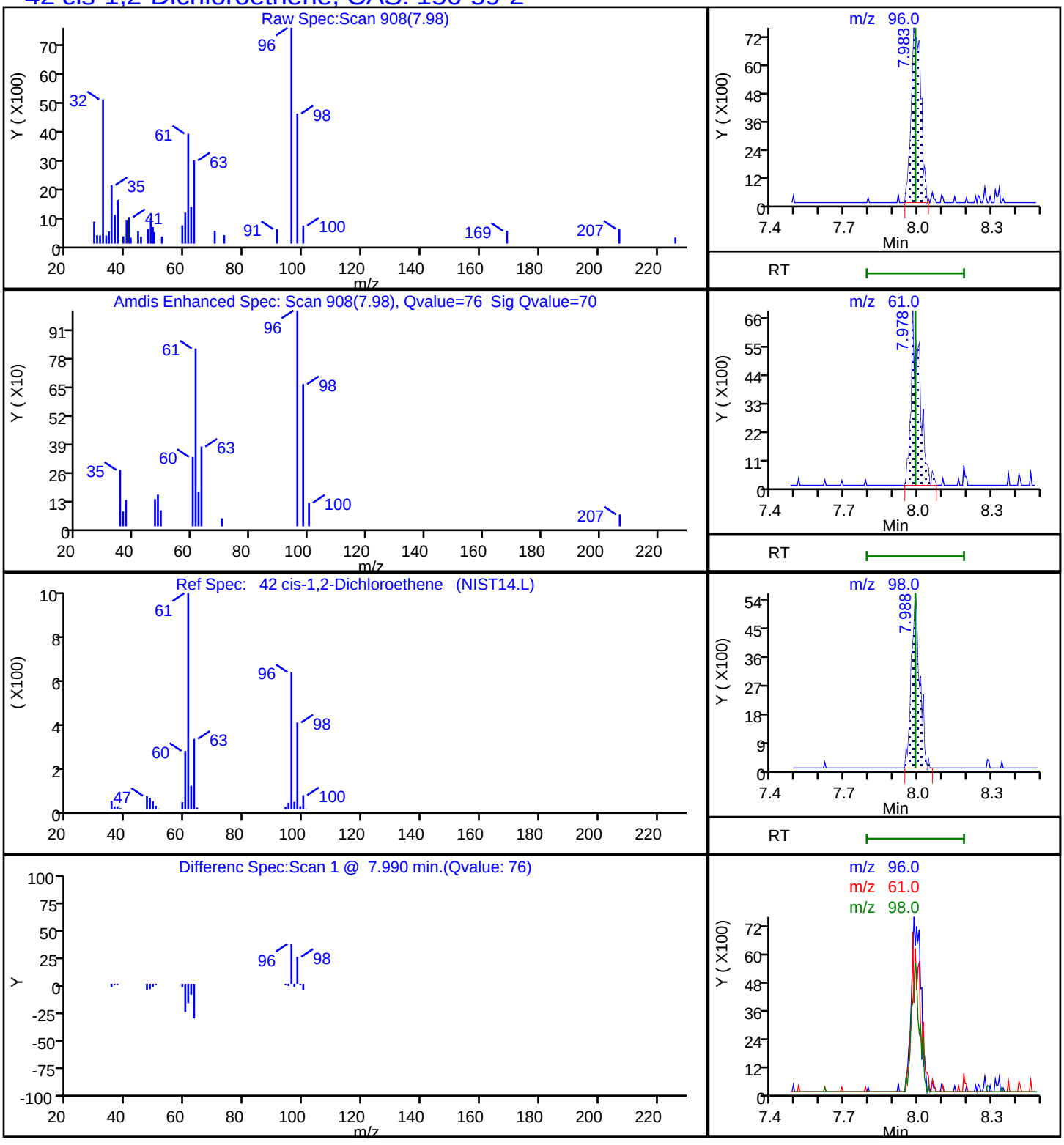
51 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D				
Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR		
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1		
Client ID:	SVE INF				
Operator ID:	HMT	ALS Bottle#:	6	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		

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

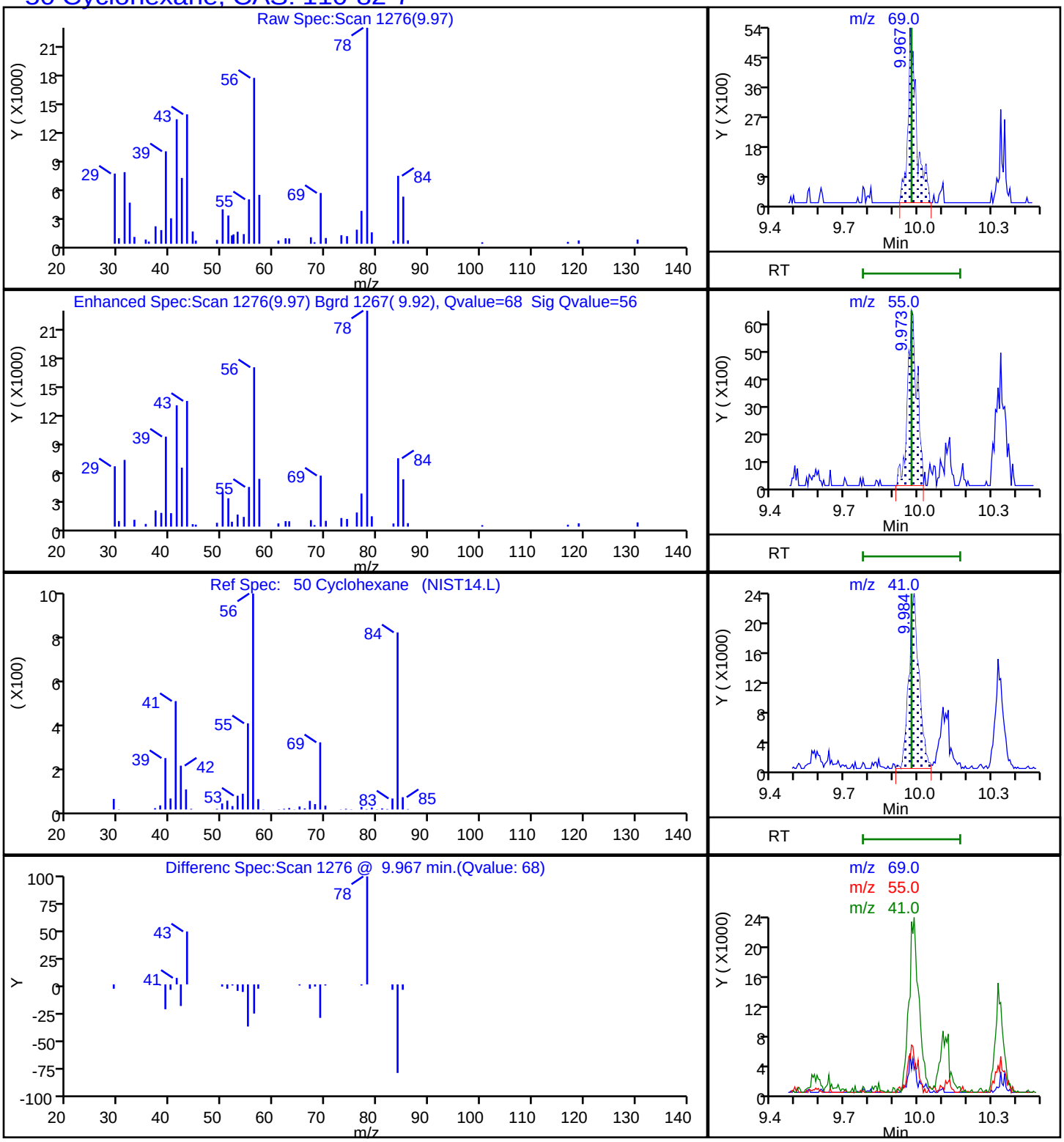


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Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D		
Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1
Client ID:	SVE INF		
Operator ID:	HMT	ALS Bottle#:	6 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

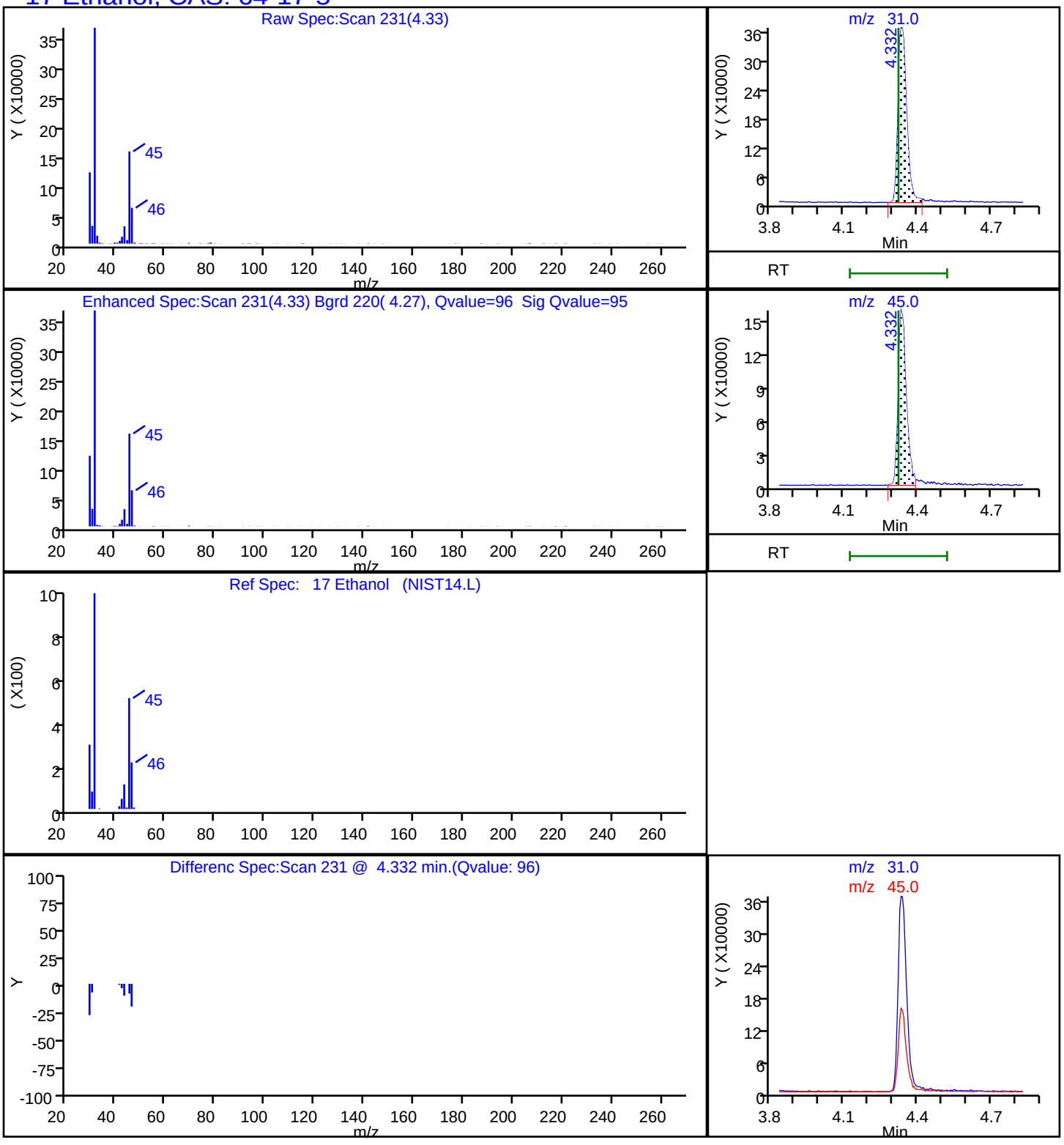
50 Cyclohexane, CAS: 110-82-7



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D		
Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1
Client ID:	SVE INF		
Operator ID:	HMT	ALS Bottle#:	6 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

17 Ethanol, CAS: 64-17-5



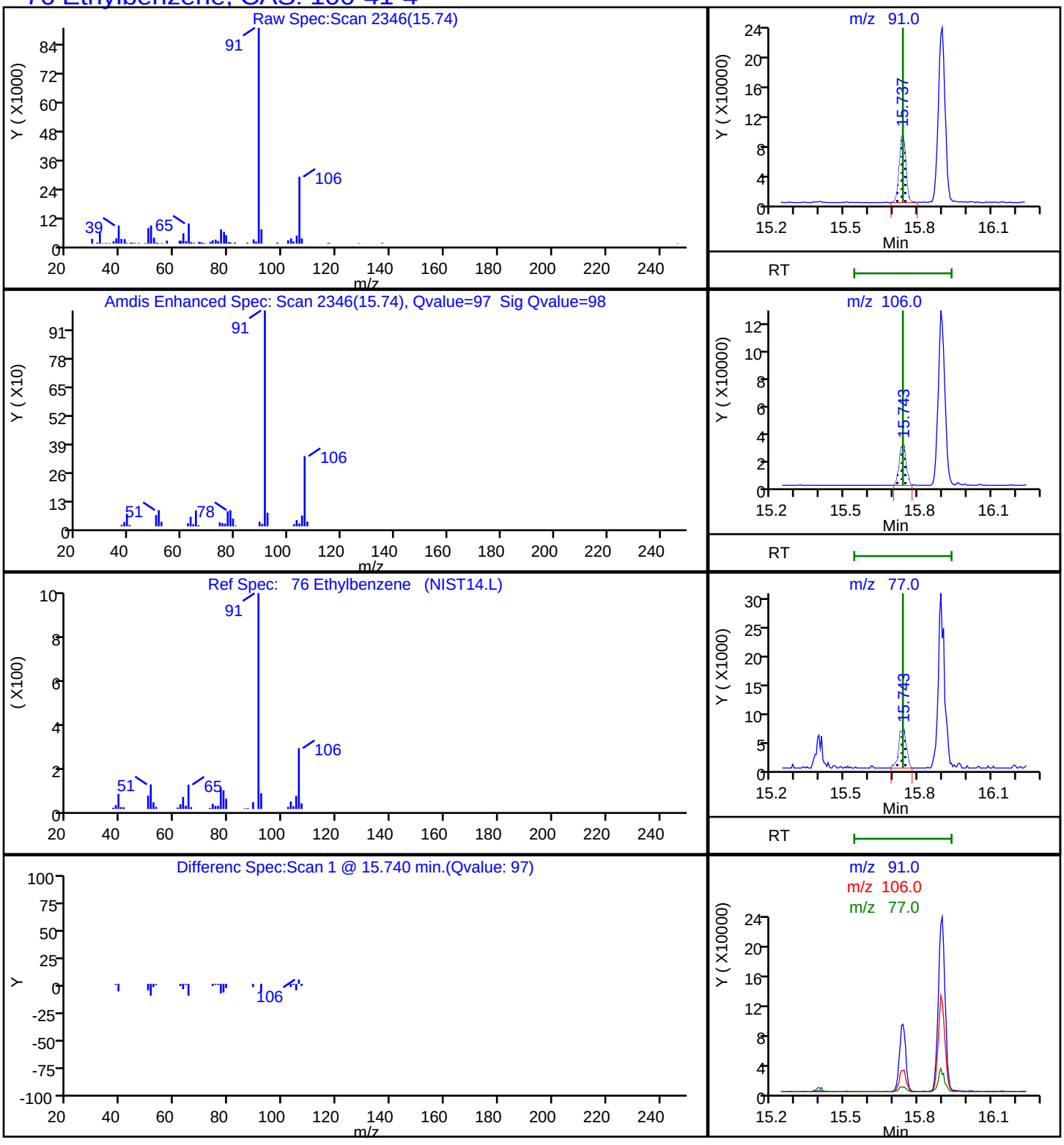
Report Date: 12-Jun-2020 12:24:52 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D

Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1
Client ID:	SVE INF		
Operator ID:	HMT	ALS Bottle#:	6 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

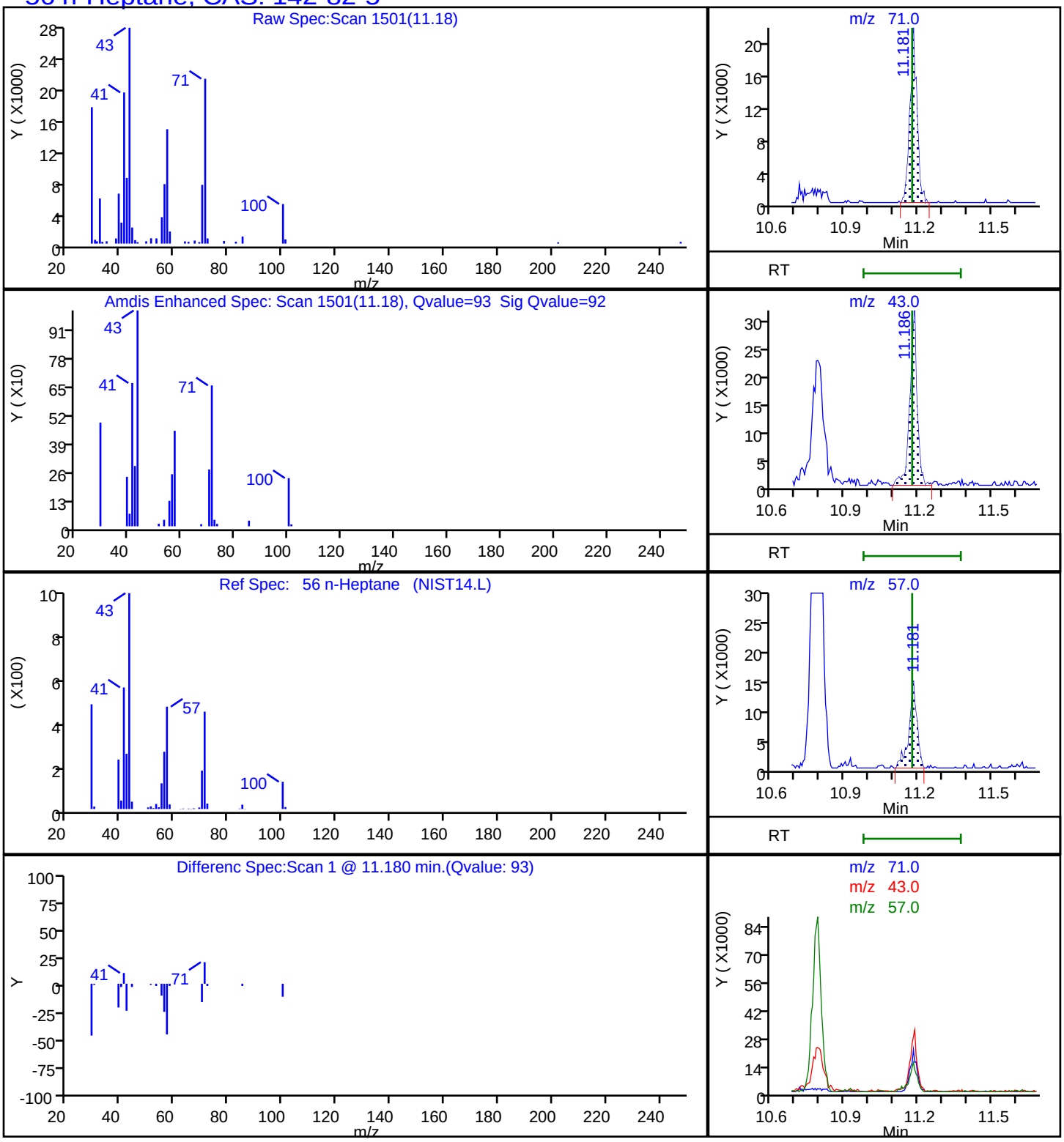
76 Ethylbenzene, CAS: 100-41-4



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D		
Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1
Client ID:	SVE INF		
Operator ID:	HMT	ALS Bottle#:	6 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

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

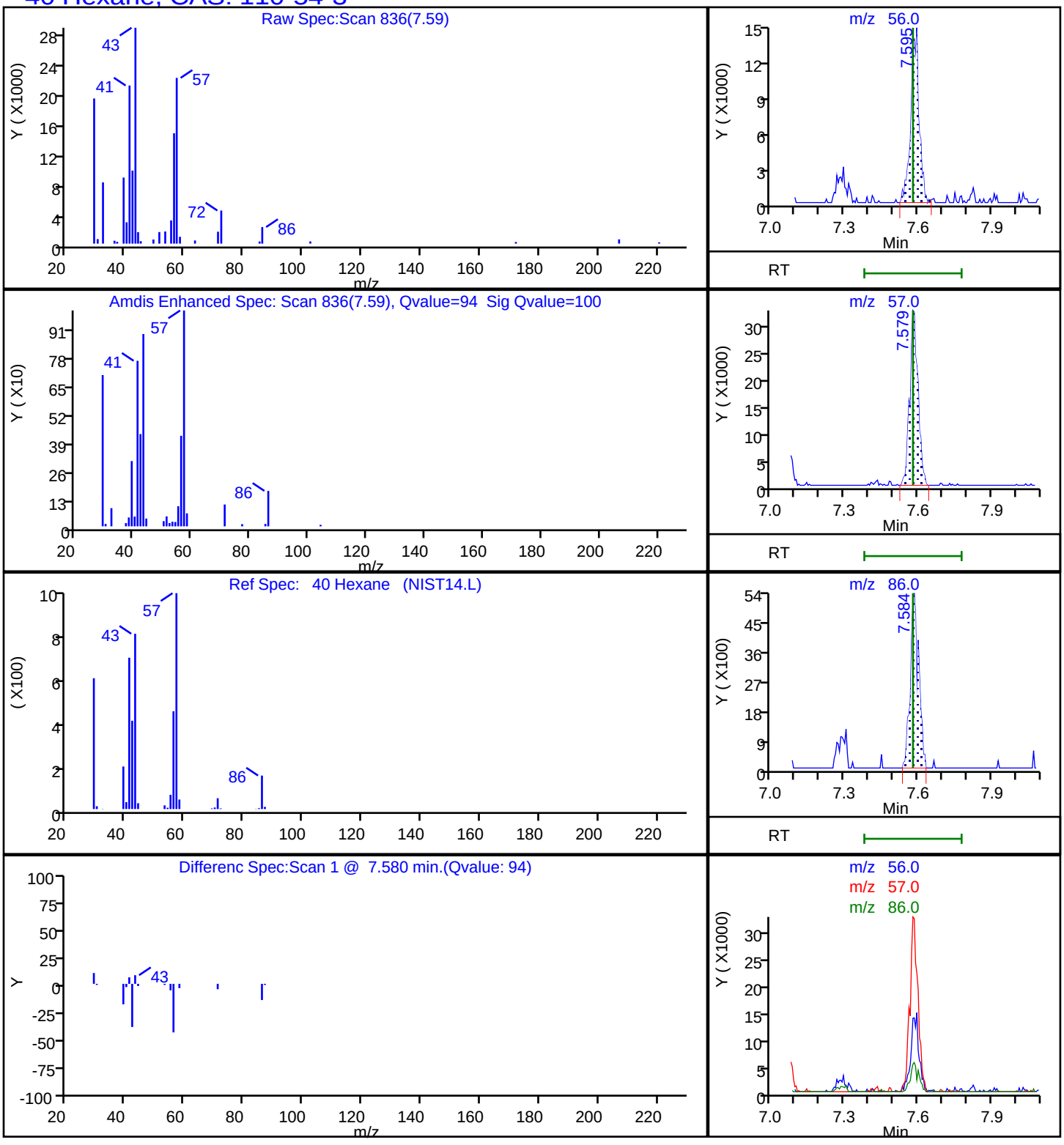


Report Date: 12-Jun-2020 12:24:51 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D		
Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1
Client ID:	SVE INF		
Operator ID:	HMT	ALS Bottle#:	6 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

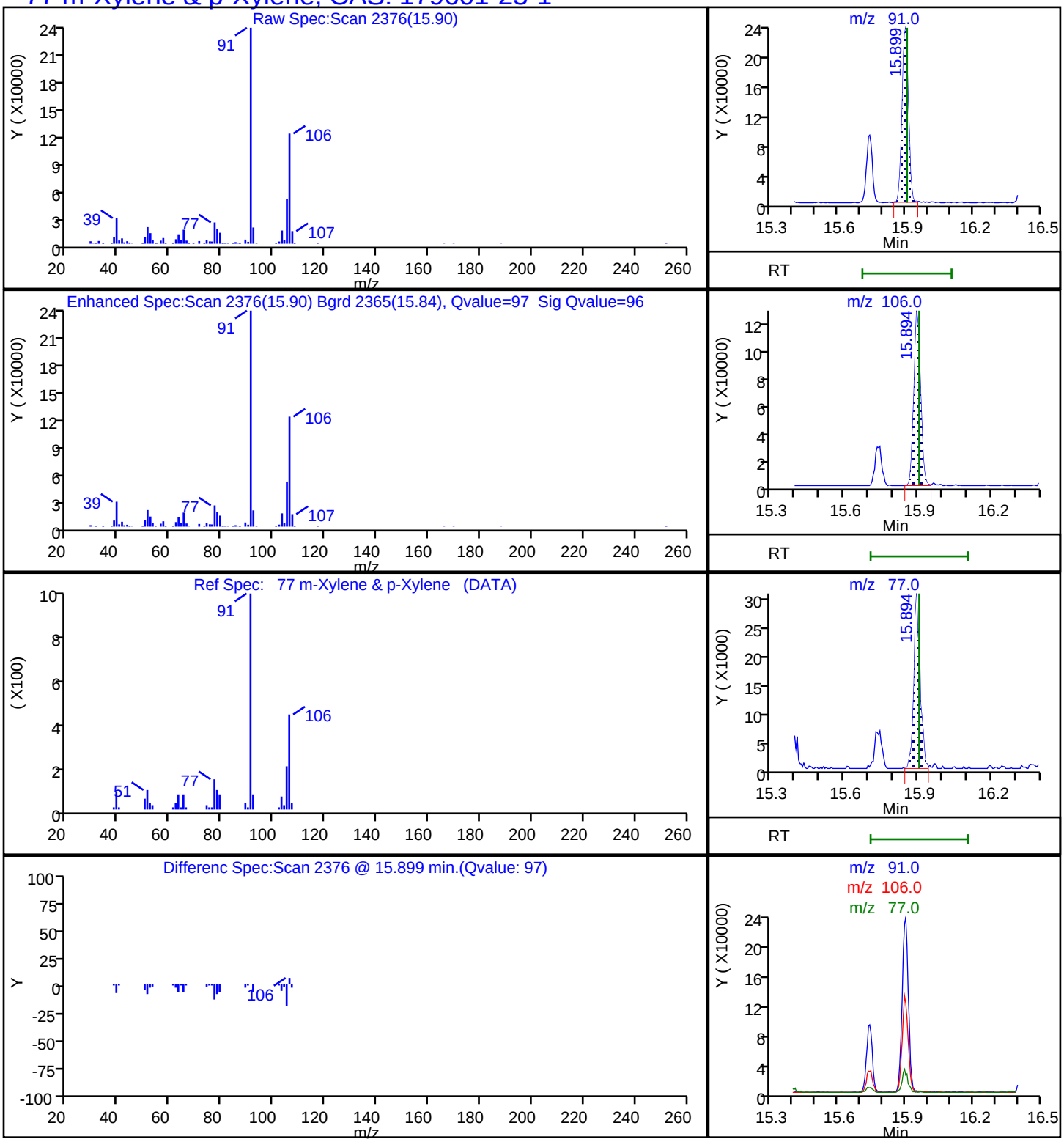
40 Hexane, CAS: 110-54-3



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D				
Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR		
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1		
Client ID:	SVE INF				
Operator ID:	HMT	ALS Bottle#:	6	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		

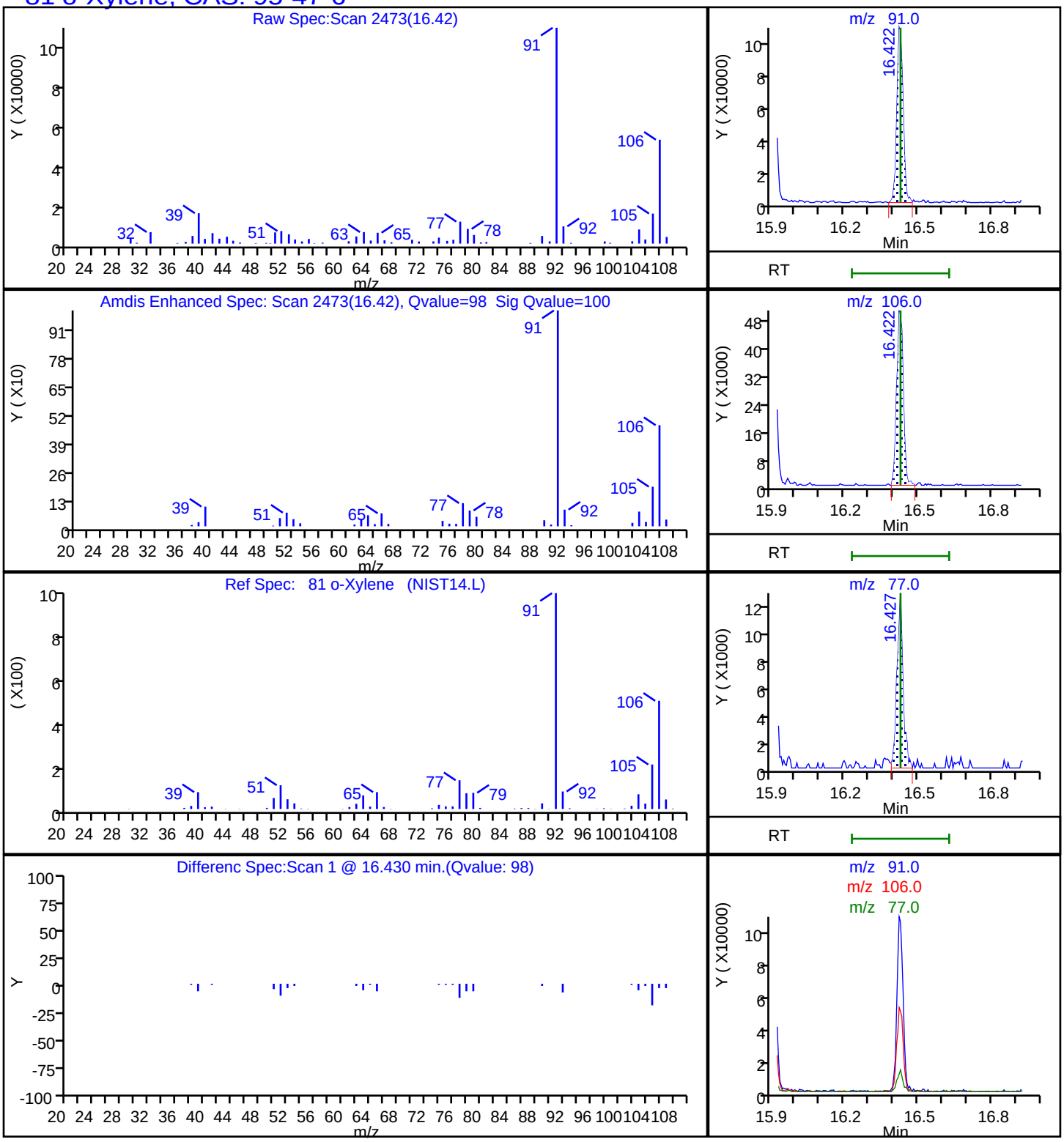
77 m-Xylene & p-Xylene, CAS: 179601-23-1



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Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D		
Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1
Client ID:	SVE INF		
Operator ID:	HMT	ALS Bottle#:	6 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

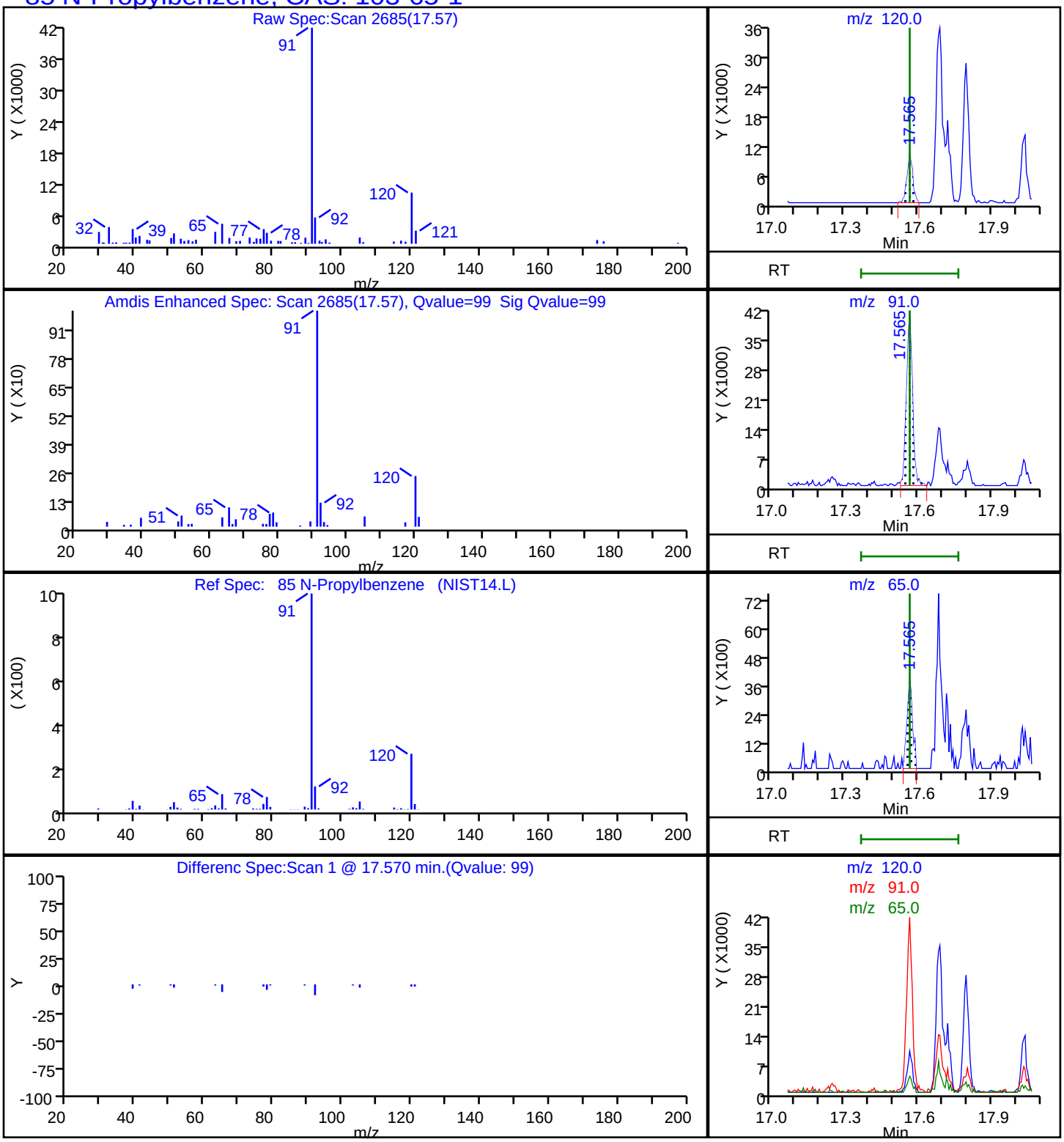
81 o-Xylene, CAS: 95-47-6



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D		
Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1
Client ID:	SVE INF		
Operator ID:	HMT	ALS Bottle#:	6 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

85 N-Propylbenzene, CAS: 103-65-1



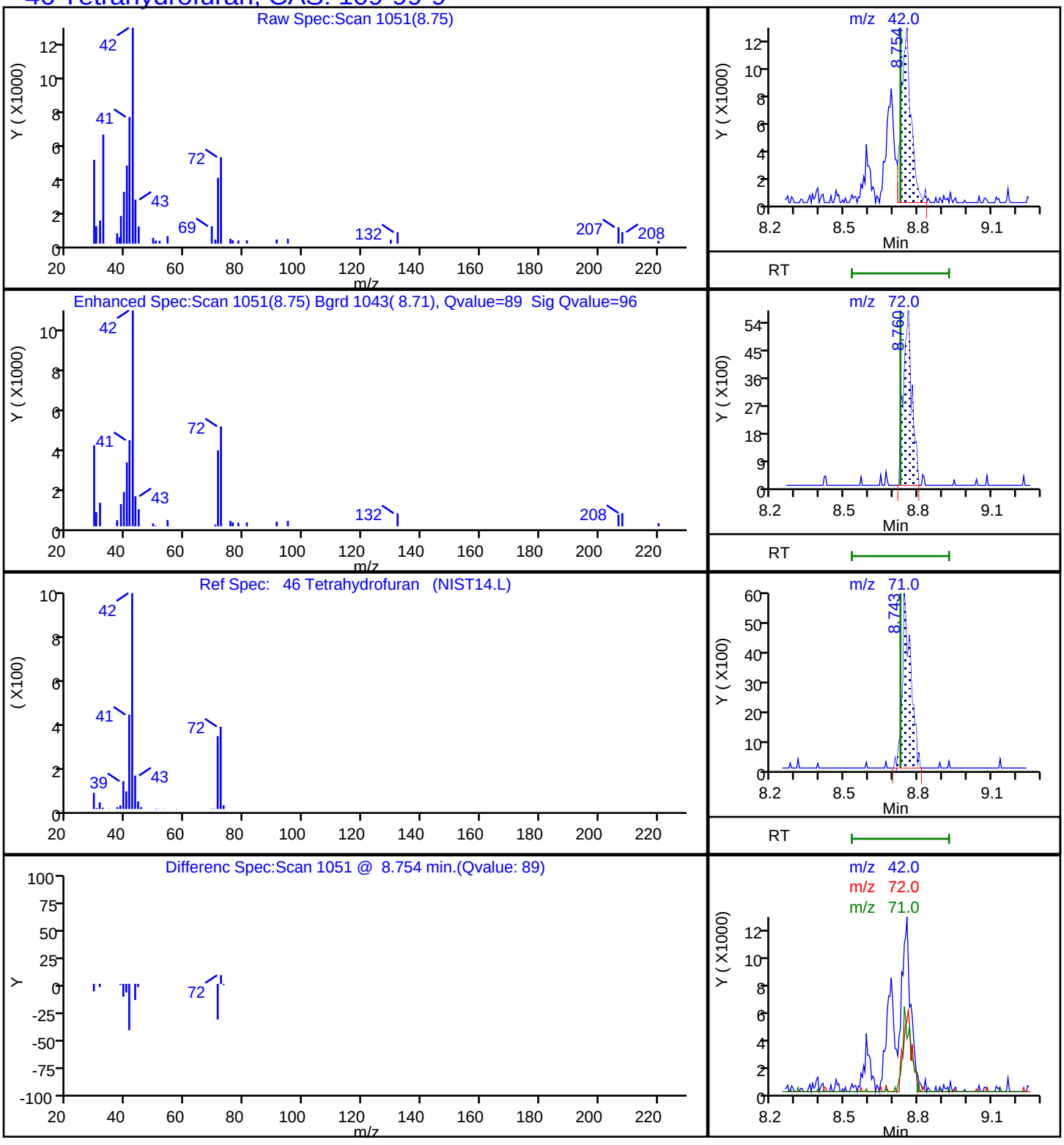
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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D

Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR		
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1		
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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		

46 Tetrahydrofuran, CAS: 109-99-9

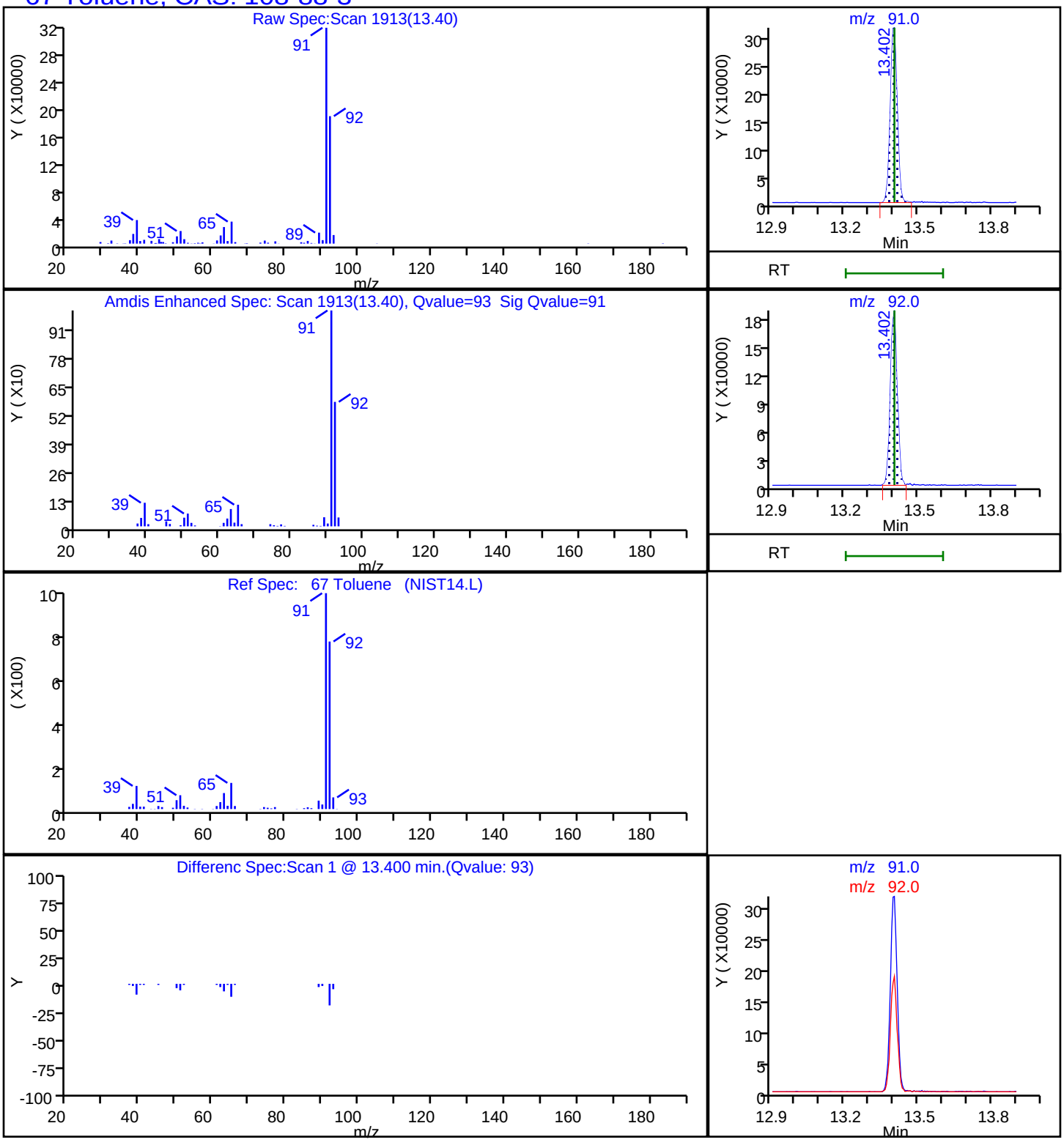


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Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D		
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Client ID:	SVE INF		
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Purge Vol:	500.000 mL	Dil. Factor:	1.0000
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

67 Toluene, CAS: 108-88-3

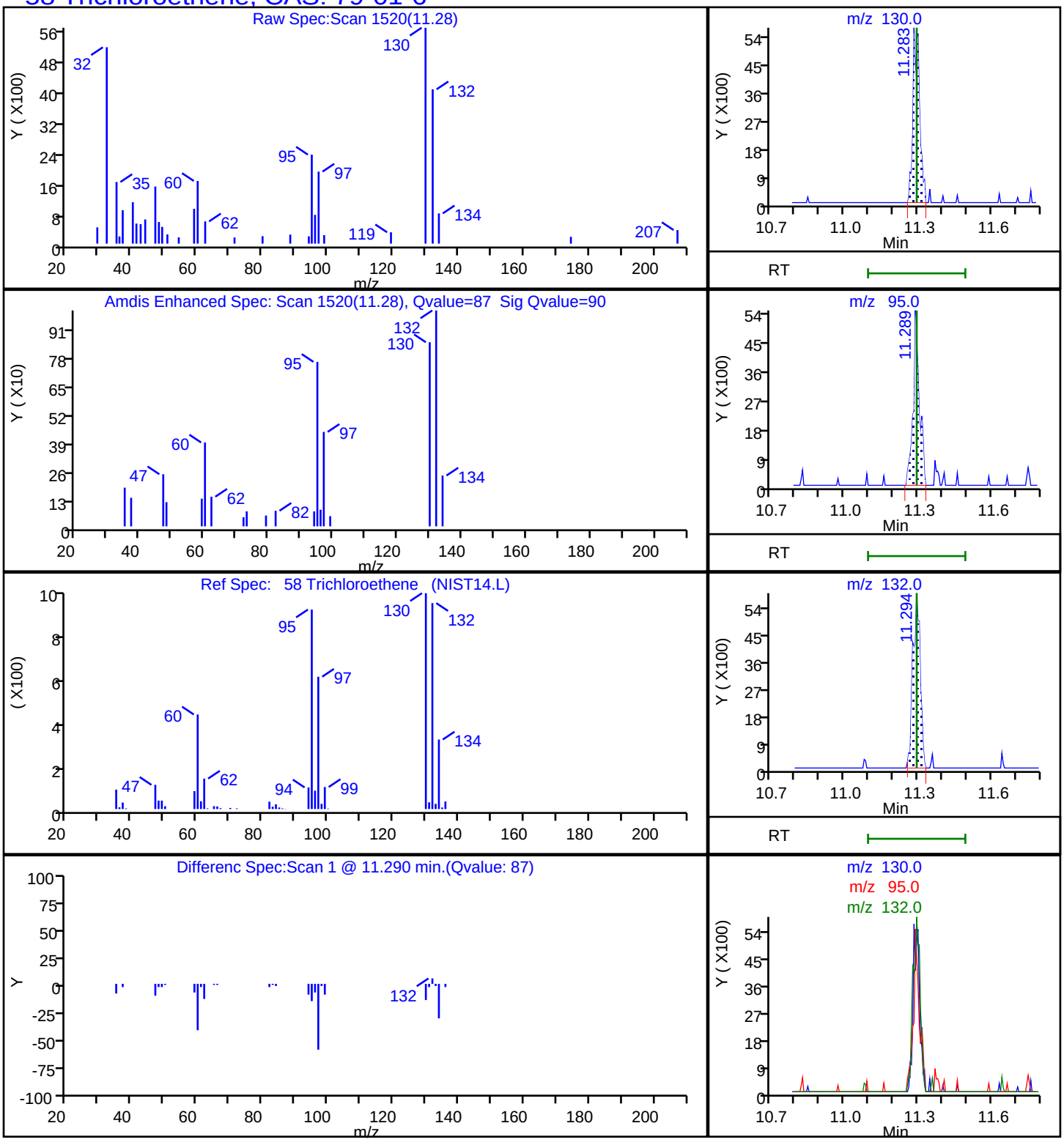


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Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D		
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Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

58 Trichloroethene, CAS: 79-01-6



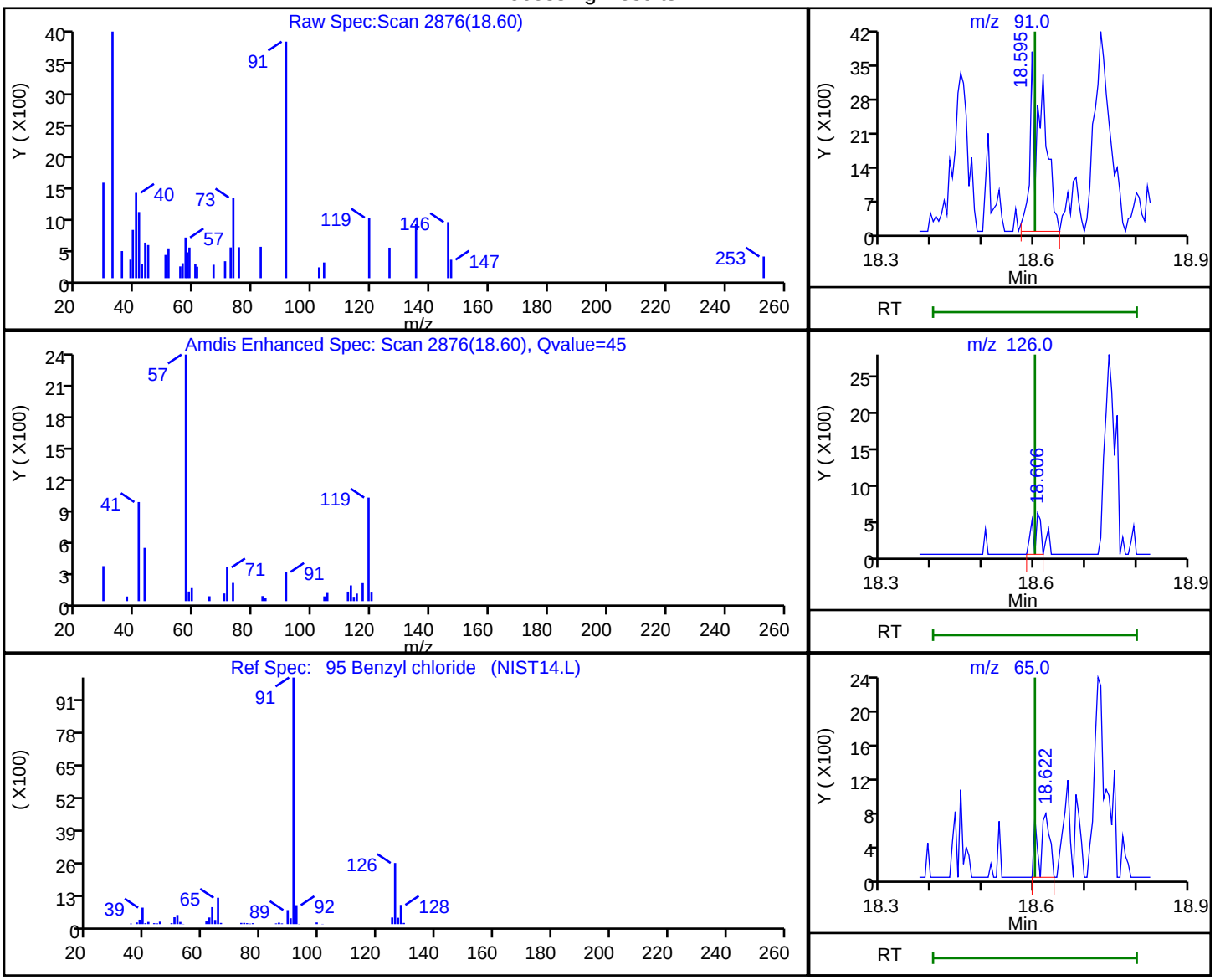
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D				
Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR		
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1		
Client ID:	SVE INF				
Operator ID:	HMT	ALS Bottle#:	6	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		

95 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
18.60	91.00	6525	0.032973
18.61	126.00	573	
18.62	65.00	1074	

Reviewer: khachitpongpanits, 12-Jun-2020 12:22:11

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

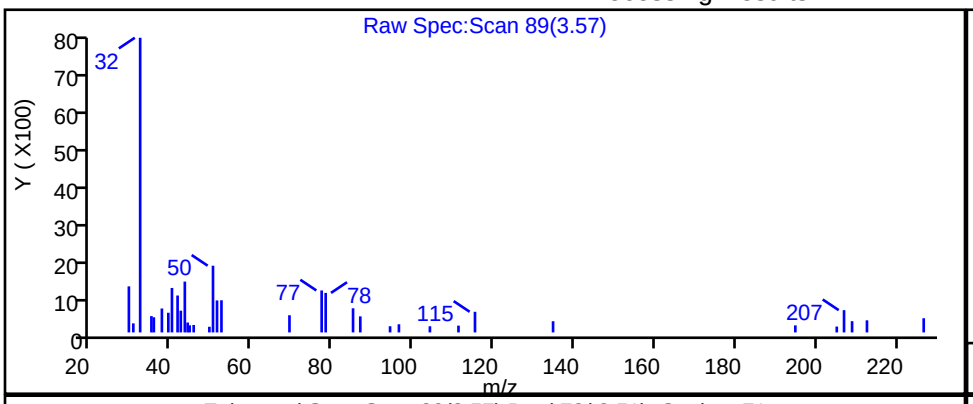
User Disabled Compound Report

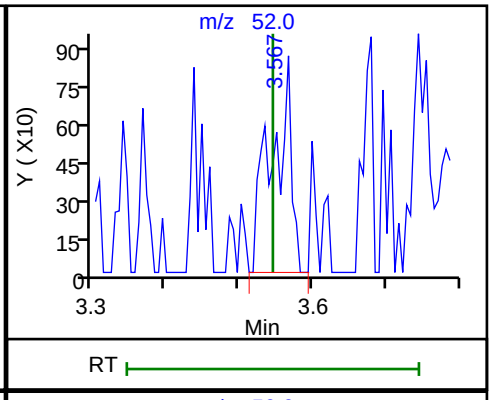
Eurofins TestAmerica, Knoxville

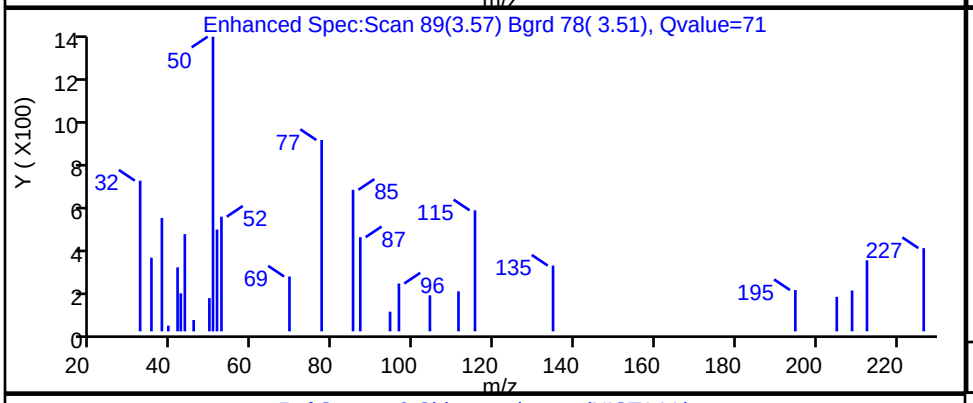
Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D				
Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR		
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1		
Client ID:	SVE INF				
Operator ID:	HMT	ALS Bottle#:	6	Worklist Smp#:	19
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

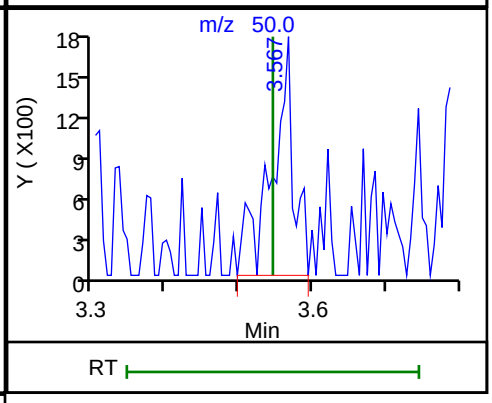
9 Chloromethane, CAS: 74-87-3

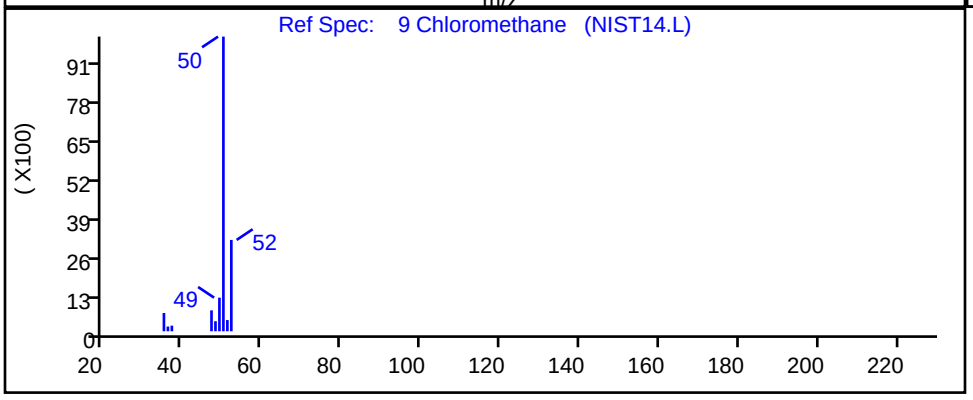
Processing Results











RT	Mass	Response	Amount
3.57	52.00	1602	0.101413
3.57	50.00	3724	

Reviewer: khachitpongpanits, 12-Jun-2020 12:17:55

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

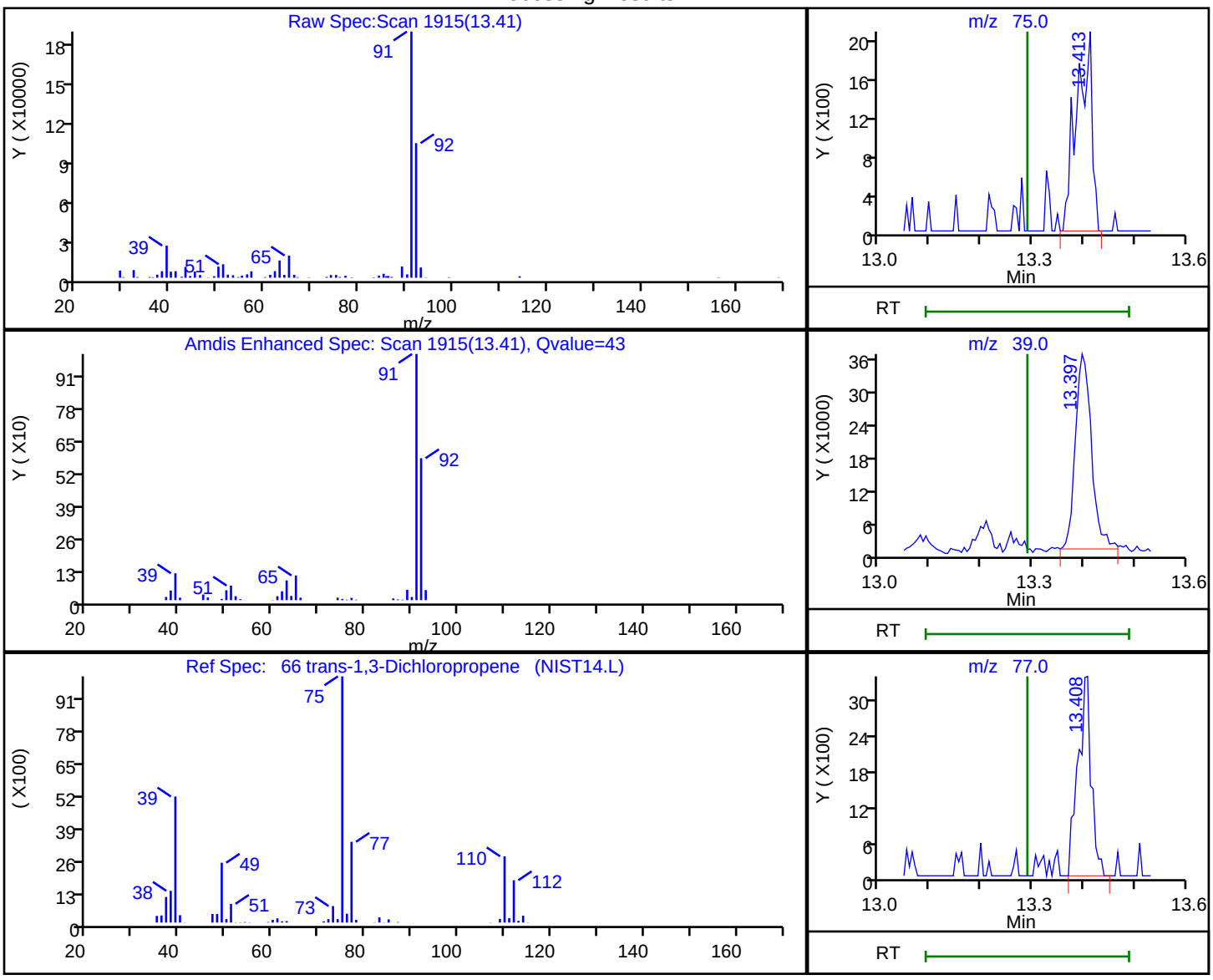
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P106.D				
Injection Date:	11-Jun-2020 21:28:30	Instrument ID:	MR		
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1		
Client ID:	SVE INF				
Operator ID:	HMT	ALS Bottle#:	6	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		

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

Processing Results



RT	Mass	Response	Amount
13.41	75.00	4348	0.052241
13.40	39.00	78490	
13.41	77.00	6002	

Reviewer: khachitpongpanits, 12-Jun-2020 12:20:47

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.: 140-19327-1

SDG No.:

Client Sample ID: SVE INF DL Lab Sample ID: 140-19327-1 DL

Matrix: Air Lab File ID: HF15P107R.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 11:38

Sample wt/vol: 11(mL) Date Analyzed: 06/16/2020 08:03

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.: 40282 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
67-63-0	2-Propanol	60.10	520	D	36	

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.: 140-19327-1

SDG No.:

Client Sample ID: SVE INF DL Lab Sample ID: 140-19327-1 DL

Matrix: Air Lab File ID: HF15P107R.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 11:38

Sample wt/vol: 11(mL) Date Analyzed: 06/16/2020 08:03

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.: 40282 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
67-63-0	2-Propanol	60.10	1300	D	89	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HF15P107R.D
Lims ID: 140-19327-A-1
Client ID: SVE INF
Sample Type: Client
Inject. Date: 16-Jun-2020 08:03:30 ALS Bottle#: 7 Worklist Smp#: 27
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015724-027
Misc. Info.: 140-19327-a-1
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 16-Jun-2020 09:31:06 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1053

First Level Reviewer: tajh Date: 16-Jun-2020 09:31:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.572	8.572	0.000	96	167505	4.00	
* 2 1,4-Difluorobenzene	114	10.773	10.779	-0.006	96	1197411	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.565	15.565	0.000	90	921496	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.213	17.234	-0.021	89	590318	3.82	
17 Ethanol	31	4.556	4.556	0.000	92	106357	3.56	
20 Trichlorofluoromethane	101	5.011	5.011	0.000	72	2149	0.008819	
23 Acetone	58	5.145	5.130	0.015	99	27125	0.7197	
25 Isopropyl alcohol	45	5.217	5.212	0.005	99	1256126	11.5	
31 Methylene Chloride	84	6.050	6.050	0.000	98	55534	0.1394	
39 2-Butanone (MEK)	72	7.817	7.812	0.005	97	3466	0.0972	
40 Hexane	56	7.827	7.827	-0.001	77	6076	0.1008	
42 cis-1,2-Dichloroethene	96	8.236	8.241	-0.005	96	2674	0.0318	
44 Chloroform	83	8.577	8.587	-0.010	33	1276	0.006452	
46 Tetrahydrofuran	42	9.001	8.975	0.026	70	3836	0.0467	
50 Cyclohexane	69	10.210	10.210	-0.005	62	1512	0.0439	
51 Benzene	78	10.210	10.210	-0.005	93	9691	0.0372	
55 Isooctane	57	10.985	10.985	-0.006	96	36490	0.0922	
56 n-Heptane	71	11.378	11.373	0.000	86	3121	0.0426	
58 Trichloroethene	130	11.502	11.491	0.005	36	1229	0.0115	
67 Toluene	91	13.580	13.580	0.000	93	69236	0.2723	
76 Ethylbenzene	91	15.906	15.906	0.000	98	14905	0.0448	
77 m-Xylene & p-Xylene	91	16.066	16.066	0.000	99	41595	0.1639	
80 Styrene	104	16.603	16.531	0.072	50	573	0.0348	
81 o-Xylene	91	16.588	16.593	-0.005	97	15580	0.0593	
88 1,3,5-Trimethylbenzene	120	17.983	18.014	-0.032	93	3116	0.0475	
92 1,2,4-Trimethylbenzene	105	18.443	18.469	-0.026	98	12827	0.0412	

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

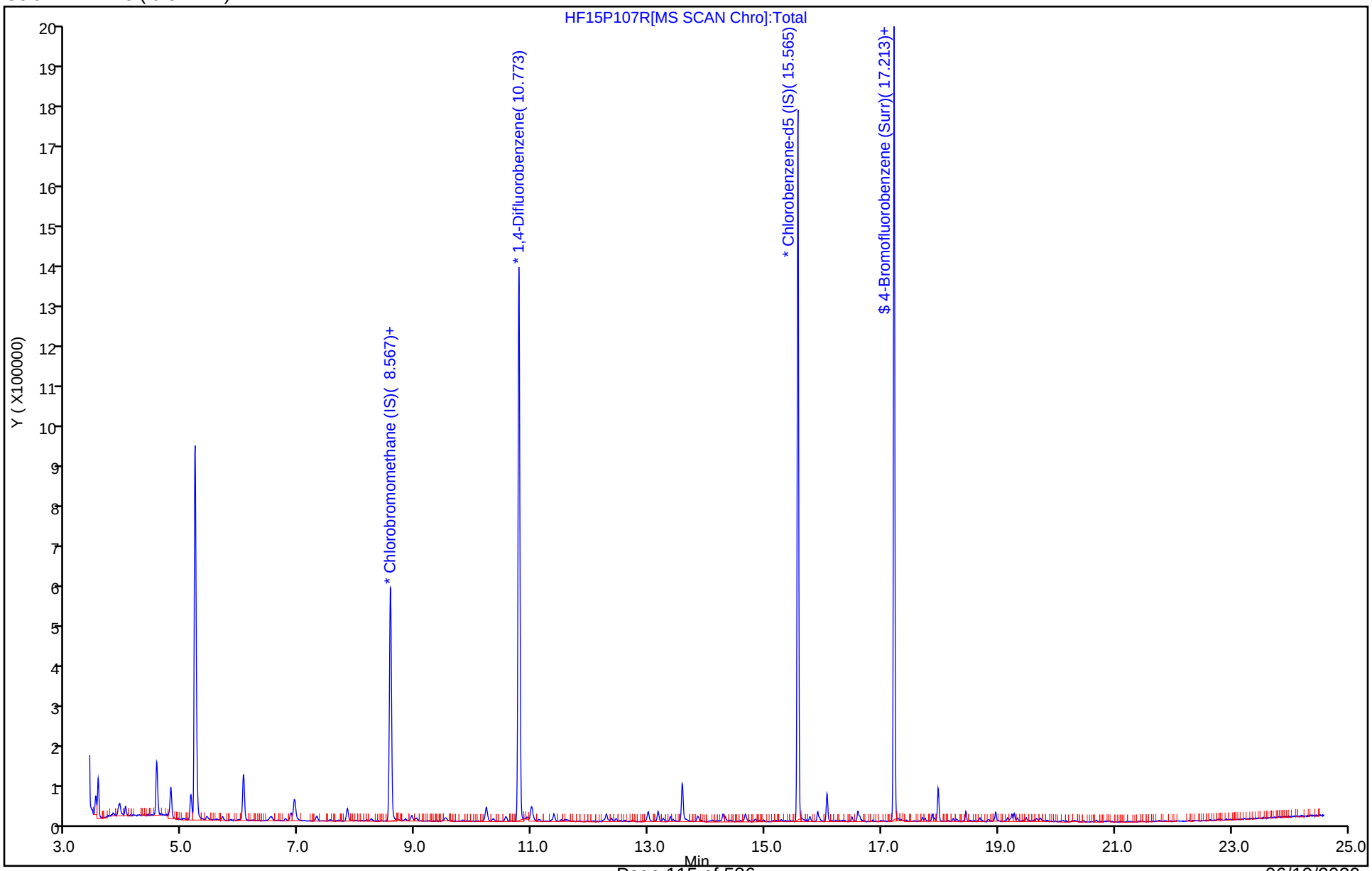
Report Date: 16-Jun-2020 09:31:07 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HF15P107R.D

Injection Date:	16-Jun-2020 08:03:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1	Worklist Smp#:	27
Client ID:	SVE INF				
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

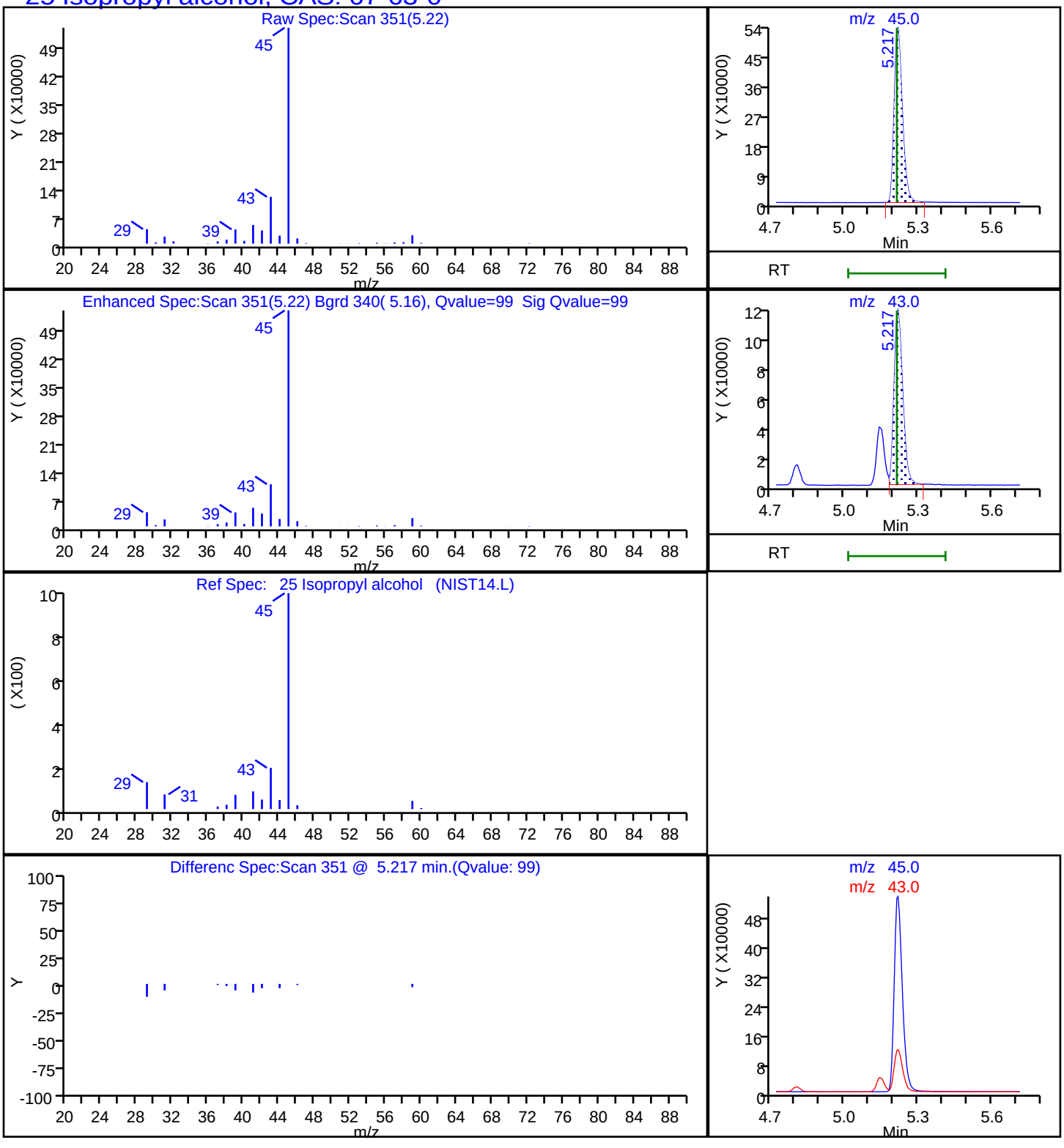
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Lims ID:	140-19327-A-1				
Client ID:	SVE INF				
Sample Type:	Client				
Inject. Date:	16-Jun-2020 08:03:30	ALS Bottle#:	7	Worklist Smp#:	27
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0015724-027				
Misc. Info.:	140-19327-a-1				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20200612-15724.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	16-Jun-2020 09:31:06	Calib Date:	16-Apr-2020 18:34:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1053				
First Level Reviewer: tajh		Date:	16-Jun-2020 09:31:06		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.82	95.46

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HF15P107R.D				
Injection Date:	16-Jun-2020 08:03:30	Instrument ID:	MH		
Lims ID:	140-19327-A-1	Lab Sample ID:	140-19327-1		
Client ID:	SVE INF				
Operator ID:	HMT	ALS Bottle#:	7	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		

25 Isopropyl alcohol, CAS: 67-63-0



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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: SVE EFF Lab Sample ID: 140-19327-2

Matrix: Air Lab File ID: RF11P107.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 11:44

Sample wt/vol: 100(mL) Date Analyzed: 06/11/2020 22:16

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40256 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.54	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.54	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.54	
75-34-3	1,1-Dichloroethane	98.96	ND		0.54	
75-35-4	1,1-Dichloroethene	96.94	ND		0.27	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.54	
95-63-6	1,2,4-Trimethylbenzene	120.20	8.0		0.54	
106-93-4	1,2-Dibromoethane	187.87	ND		0.54	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.54	
107-06-2	1,2-Dichloroethane	98.96	ND		0.54	
78-87-5	1,2-Dichloropropane	112.99	ND		0.54	
108-67-8	1,3,5-Trimethylbenzene	120.20	2.9		0.54	
106-99-0	1,3-Butadiene	54.09	ND		1.1	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.54	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.54	
123-91-1	1,4-Dioxane	88.11	ND		1.3	
540-84-1	2,2,4-Trimethylpentane	114.23	9.3		1.3	
78-93-3	2-Butanone	72.11	9.8		2.1	
591-78-6	2-Hexanone	100.20	ND		1.3	
67-63-0	*2-Propanol*	*60.10*	*880*	*E*	*5.4*	
107-05-1	3-Chloropropene	76.53	ND		0.54	
622-96-8	4-Ethyltoluene	120.20	2.1		1.1	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		1.3	
67-64-1	Acetone	58.08	51		13	
100-44-7	alpha-Chlorotoluene	126.58	ND		1.1	
71-43-2	Benzene	78.11	2.9		0.54	
75-27-4	Bromodichloromethane	163.83	ND		0.54	
75-25-2	Bromoform	252.75	ND		0.54	
74-83-9	Bromomethane	94.94	ND		0.54	
75-15-0	Carbon disulfide	76.14	7.8		1.3	
56-23-5	Carbon tetrachloride	153.81	ND		0.21	
108-90-7	Chlorobenzene	112.56	ND		0.54	
75-00-3	Chloroethane	64.52	ND		0.54	
67-66-3	Chloroform	119.38	ND		0.54	
74-87-3	Chloromethane	50.49	ND		1.3	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: SVE EFF Lab Sample ID: 140-19327-2

Matrix: Air Lab File ID: RF11P107.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 11:44

Sample wt/vol: 100(mL) Date Analyzed: 06/11/2020 22:16

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40256 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	4.5		0.27	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.54	
98-82-8	Cumene	120.19	ND		1.1	
110-82-7	Cyclohexane	84.16	4.1		1.3	
124-48-1	Dibromochloromethane	208.29	ND		0.54	
64-17-5	Ethanol	46.07	200		13	
100-41-4	Ethylbenzene	106.17	5.7		0.54	
75-69-4	Freon 11	137.37	ND		0.54	
76-13-1	Freon 113	187.38	ND		0.54	
75-71-8	Freon 12	120.91	ND	*	0.54	
76-14-2	Freon-114	170.92	ND	*	0.54	
142-82-5	Heptane	100.21	5.3		1.3	
87-68-3	Hexachlorobutadiene	260.76	ND		0.54	
110-54-3	Hexane	86.17	8.7		1.3	
1634-04-4	Methyl tert-butyl ether	88.15	ND		1.1	
75-09-2	Methylene Chloride	84.93	ND		2.7	
179601-23-1	m-Xylene & p-Xylene	106.17	19		0.54	
95-47-6	o-Xylene	106.17	7.6		0.54	
103-65-1	Propylbenzene	120.19	1.5		1.1	
100-42-5	Styrene	104.15	ND		0.54	
127-18-4	Tetrachloroethene	165.83	ND		0.54	
109-99-9	Tetrahydrofuran	72.11	5.6		2.7	
108-88-3	Toluene	92.14	25		0.80	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.54	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.54	
79-01-6	Trichloroethene	131.39	ND		0.24	
75-01-4	Vinyl chloride	62.50	ND		0.27	

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.: 140-19327-1

SDG No.:

Client Sample ID: SVE EFF Lab Sample ID: 140-19327-2

Matrix: Air Lab File ID: RF11P107.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 11:44

Sample wt/vol: 100(mL) Date Analyzed: 06/11/2020 22:16

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40256 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		2.9	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		3.7	
79-00-5	1,1,2-Trichloroethane	133.41	ND		2.9	
75-34-3	1,1-Dichloroethane	98.96	ND		2.2	
75-35-4	1,1-Dichloroethene	96.94	ND		1.1	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		4.0	
95-63-6	1,2,4-Trimethylbenzene	120.20	39		2.6	
106-93-4	1,2-Dibromoethane	187.87	ND		4.1	
95-50-1	1,2-Dichlorobenzene	147.00	ND		3.2	
107-06-2	1,2-Dichloroethane	98.96	ND		2.2	
78-87-5	1,2-Dichloropropane	112.99	ND		2.5	
108-67-8	1,3,5-Trimethylbenzene	120.20	14		2.6	
106-99-0	1,3-Butadiene	54.09	ND		2.4	
541-73-1	1,3-Dichlorobenzene	147.00	ND		3.2	
106-46-7	1,4-Dichlorobenzene	147.00	ND		3.2	
123-91-1	1,4-Dioxane	88.11	ND		4.8	
540-84-1	2,2,4-Trimethylpentane	114.23	43		6.3	
78-93-3	2-Butanone	72.11	29		6.3	
591-78-6	2-Hexanone	100.20	ND		5.5	
67-63-0	*2-Propanol*	*60.10*	*2200*	*E*	*13*	
107-05-1	3-Chloropropene	76.53	ND		1.7	
622-96-8	4-Ethyltoluene	120.20	10		5.3	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		5.5	
67-64-1	Acetone	58.08	120		32	
100-44-7	alpha-Chlorotoluene	126.58	ND		5.5	
71-43-2	Benzene	78.11	9.2		1.7	
75-27-4	Bromodichloromethane	163.83	ND		3.6	
75-25-2	Bromoform	252.75	ND		5.5	
74-83-9	Bromomethane	94.94	ND		2.1	
75-15-0	Carbon disulfide	76.14	24		4.2	
56-23-5	Carbon tetrachloride	153.81	ND		1.3	
108-90-7	Chlorobenzene	112.56	ND		2.5	
75-00-3	Chloroethane	64.52	ND		1.4	
67-66-3	Chloroform	119.38	ND		2.6	
74-87-3	Chloromethane	50.49	ND		2.8	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: SVE EFF Lab Sample ID: 140-19327-2

Matrix: Air Lab File ID: RF11P107.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 11:44

Sample wt/vol: 100(mL) Date Analyzed: 06/11/2020 22:16

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40256 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	18		1.1	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		2.4	
98-82-8	Cumene	120.19	ND		5.3	
110-82-7	Cyclohexane	84.16	14		4.6	
124-48-1	Dibromochloromethane	208.29	ND		4.6	
64-17-5	Ethanol	46.07	380		25	
100-41-4	Ethylbenzene	106.17	25		2.3	
75-69-4	Freon 11	137.37	ND		3.0	
76-13-1	Freon 113	187.38	ND		4.1	
75-71-8	Freon 12	120.91	ND	*	2.7	
76-14-2	Freon-114	170.92	ND	*	3.7	
142-82-5	Heptane	100.21	22		5.5	
87-68-3	Hexachlorobutadiene	260.76	ND		5.7	
110-54-3	Hexane	86.17	31		4.7	
1634-04-4	Methyl tert-butyl ether	88.15	ND		3.9	
75-09-2	Methylene Chloride	84.93	ND		9.3	
179601-23-1	m-Xylene & p-Xylene	106.17	82		2.3	
95-47-6	o-Xylene	106.17	33		2.3	
103-65-1	Propylbenzene	120.19	7.2		5.3	
100-42-5	Styrene	104.15	ND		2.3	
127-18-4	Tetrachloroethene	165.83	ND		3.6	
109-99-9	Tetrahydrofuran	72.11	17		7.9	
108-88-3	Toluene	92.14	94		3.0	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		2.1	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		2.4	
79-01-6	Trichloroethene	131.39	ND		1.3	
75-01-4	Vinyl chloride	62.50	ND		0.69	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D
Lims ID: 140-19327-A-2
Client ID: SVE EFF
Sample Type: Client
Inject. Date: 11-Jun-2020 22:16:30 ALS Bottle#: 7 Worklist Smp#: 20
Purge Vol: 500.000 mL Dil. Factor: 1.3400
Sample Info: 140-0015714-020
Misc. Info.: 140-19327-a-2@1.34
Operator ID: HMT Instrument ID: MR

Method: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Jun-2020 12:27:59 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1031

First Level Reviewer: khachitpongpanits Date: 12-Jun-2020 12:27:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.323	8.318	0.005	78	167104	4.00	
* 2 1,4-Difluorobenzene	114	10.555	10.561	-0.006	93	1169088	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.392	15.398	-0.006	83	1004058	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.042	17.048	-0.006	94	519126	3.83	
8 Dichlorodifluoromethane	85	3.389	3.385	0.011	46	5591	0.0619	
17 Ethanol	31	4.333	4.330	0.011	95	1388835	30.4	
20 Trichlorofluoromethane	101	4.753	4.757	0.005	70	10758	0.0502	
23 Acetone	58	4.872	4.887	-0.005	99	227467	7.62	
25 Isopropyl alcohol	45	4.990	4.979	0.021	100	10606493	132.0	E
33 Carbon disulfide	76	5.929	5.946	-0.005	97	200913	1.17	
39 2-Butanone (MEK)	72	7.557	7.572	0.000	96	42685	1.46	
40 Hexane	56	7.584	7.593	0.005	86	48106	1.30	
42 cis-1,2-Dichloroethene	96	7.983	8.004	-0.006	90	42923	0.6732	
44 Chloroform	83	8.323	8.350	-0.011	29	7778	0.0598	
46 Tetrahydrofuran	42	8.744	8.744	0.017	91	50618	0.8429	
50 Cyclohexane	69	9.968	9.983	-0.005	79	16783	0.6146	
51 Benzene	78	9.973	9.989	-0.005	91	80532	0.4301	
52 Carbon tetrachloride	117	9.995	10.010	-0.005	25	1151	0.007314	
55 Isooctane	57	10.782	10.787	0.006	94	318446	1.39	
56 n-Heptane	71	11.176	11.187	0.001	91	46490	0.7839	
64 4-Methyl-2-pentanone (MIBK)	43	12.513	12.526	0.000	73	15301	0.1014	
67 Toluene	91	13.397	13.403	-0.006	94	837472	3.72	
69 2-Hexanone	58	13.893	13.877	0.016	8	2082	0.0320	
73 Tetrachloroethene	129	14.557	14.562	-0.005	52	3445	0.0373	
76 Ethylbenzene	91	15.732	15.737	-0.005	97	252627	0.8478	
77 m-Xylene & p-Xylene	91	15.894	15.905	-0.011	97	669905	2.82	
80 Styrene	104	16.368	16.363	0.005	11	5645	0.0334	
81 o-Xylene	91	16.422	16.428	-0.006	98	278115	1.14	
84 Isopropylbenzene	105	17.010	17.021	-0.011	90	31388	0.0834	
85 N-Propylbenzene	120	17.560	17.565	-0.005	98	22526	0.2178	
87 4-Ethyltoluene	105	17.722	17.727	-0.005	96	118912	0.3160	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
88 1,3,5-Trimethylbenzene	120	17.797	17.803	-0.006	75	69711	0.4395	
92 1,2,4-Trimethylbenzene	105	18.245	18.250	-0.005	96	376047	1.19	
94 1,3-Dichlorobenzene	146	18.520	18.525	-0.005	91	18031	0.0779	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

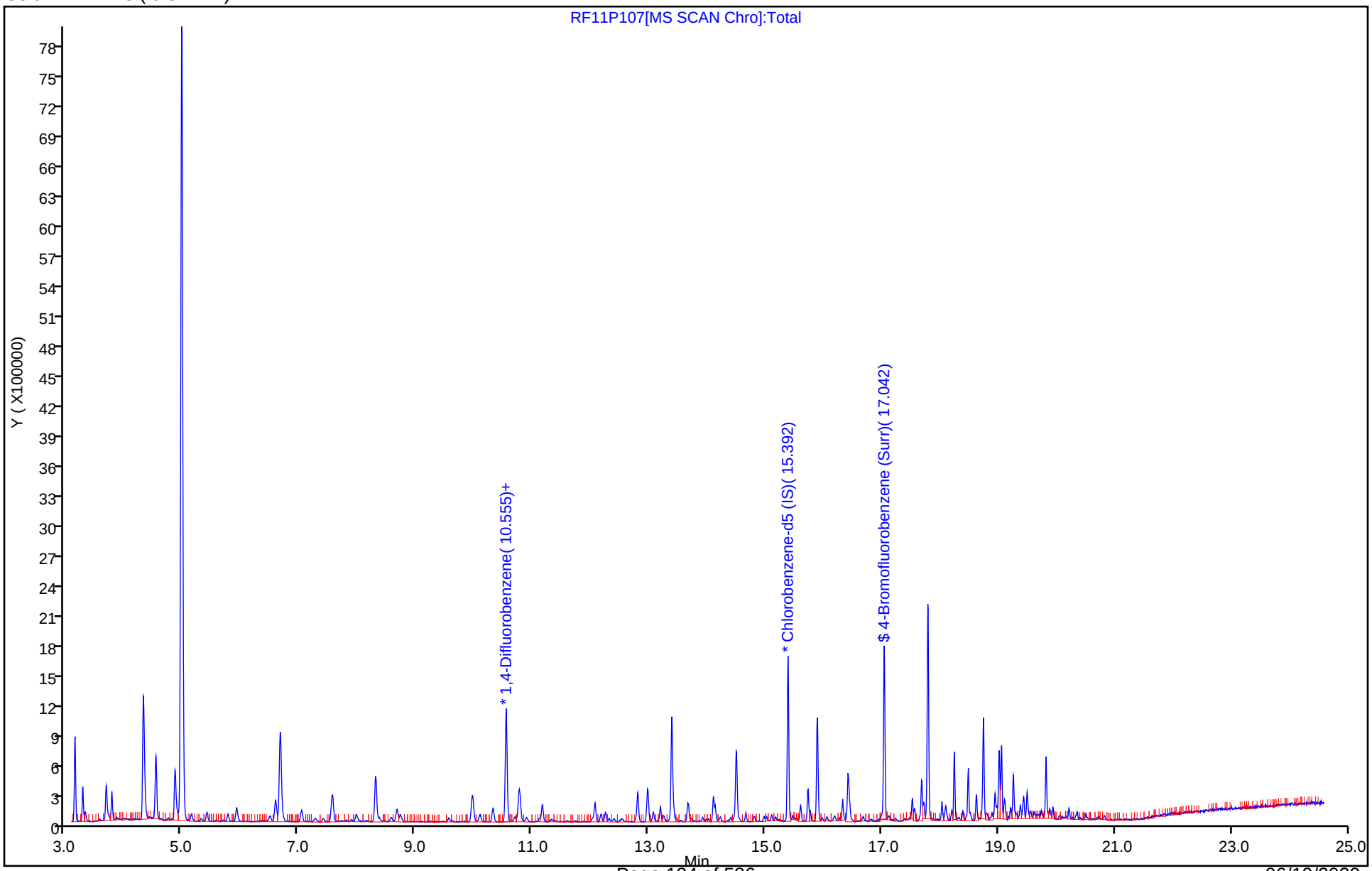
Report Date: 12-Jun-2020 12:28:00 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D

Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2	Worklist Smp#:	20
Client ID:	SVE EFF				
Purge Vol:	500.000 mL	Dil. Factor:	1.3400	ALS Bottle#:	7
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D				
Lims ID:	140-19327-A-2				
Client ID:	SVE EFF				
Sample Type:	Client				
Inject. Date:	11-Jun-2020 22:16:30	ALS Bottle#:	7	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
Sample Info:	140-0015714-020				
Misc. Info.:	140-19327-a-2@1.34				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Jun-2020 12:27:59	Calib Date:	14-May-2020 00:39:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1031				

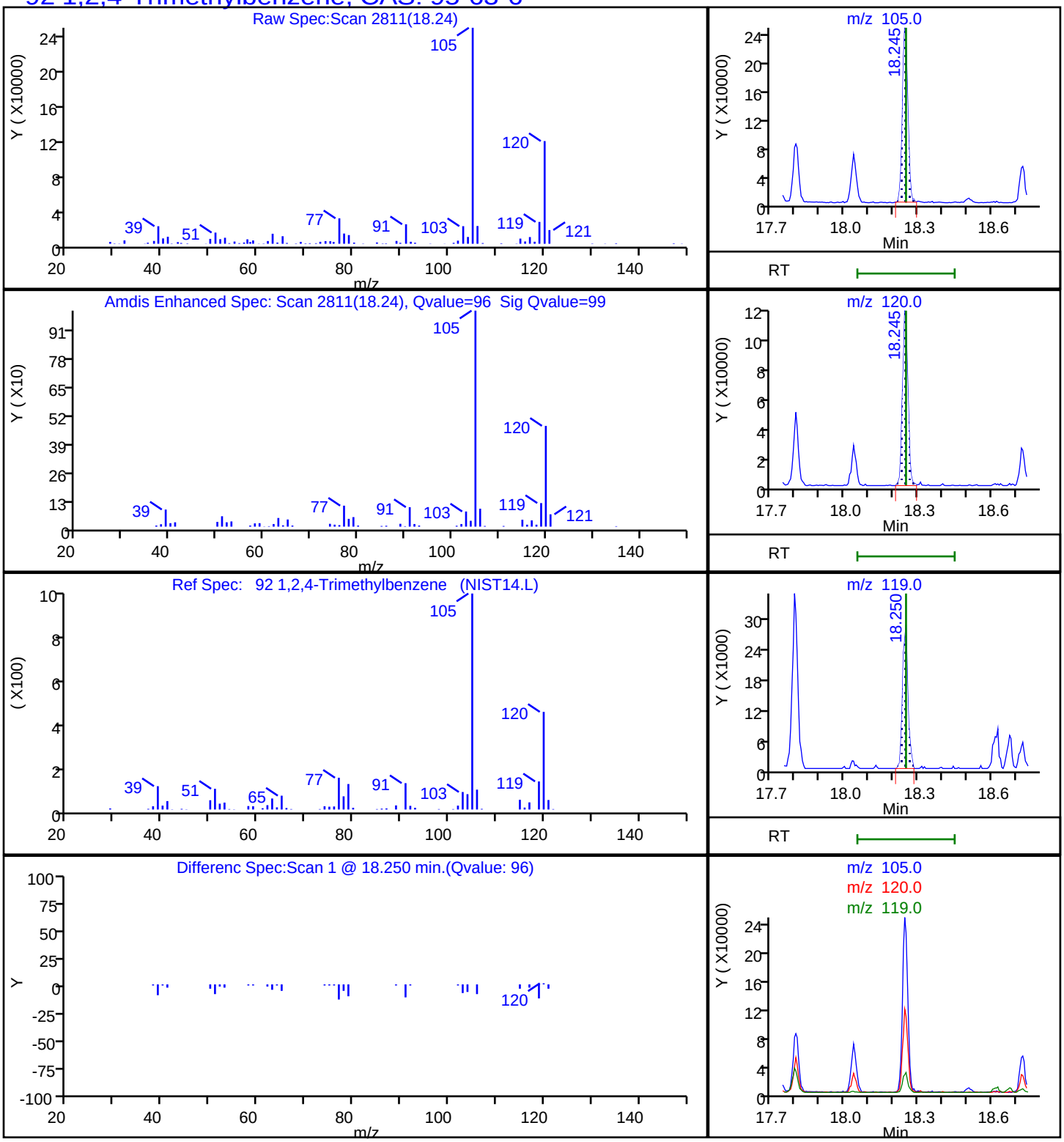
First Level Reviewer: khachitpongpanits Date: 12-Jun-2020 12:27:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.83	95.84

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D		
Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2
Client ID:	SVE EFF		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

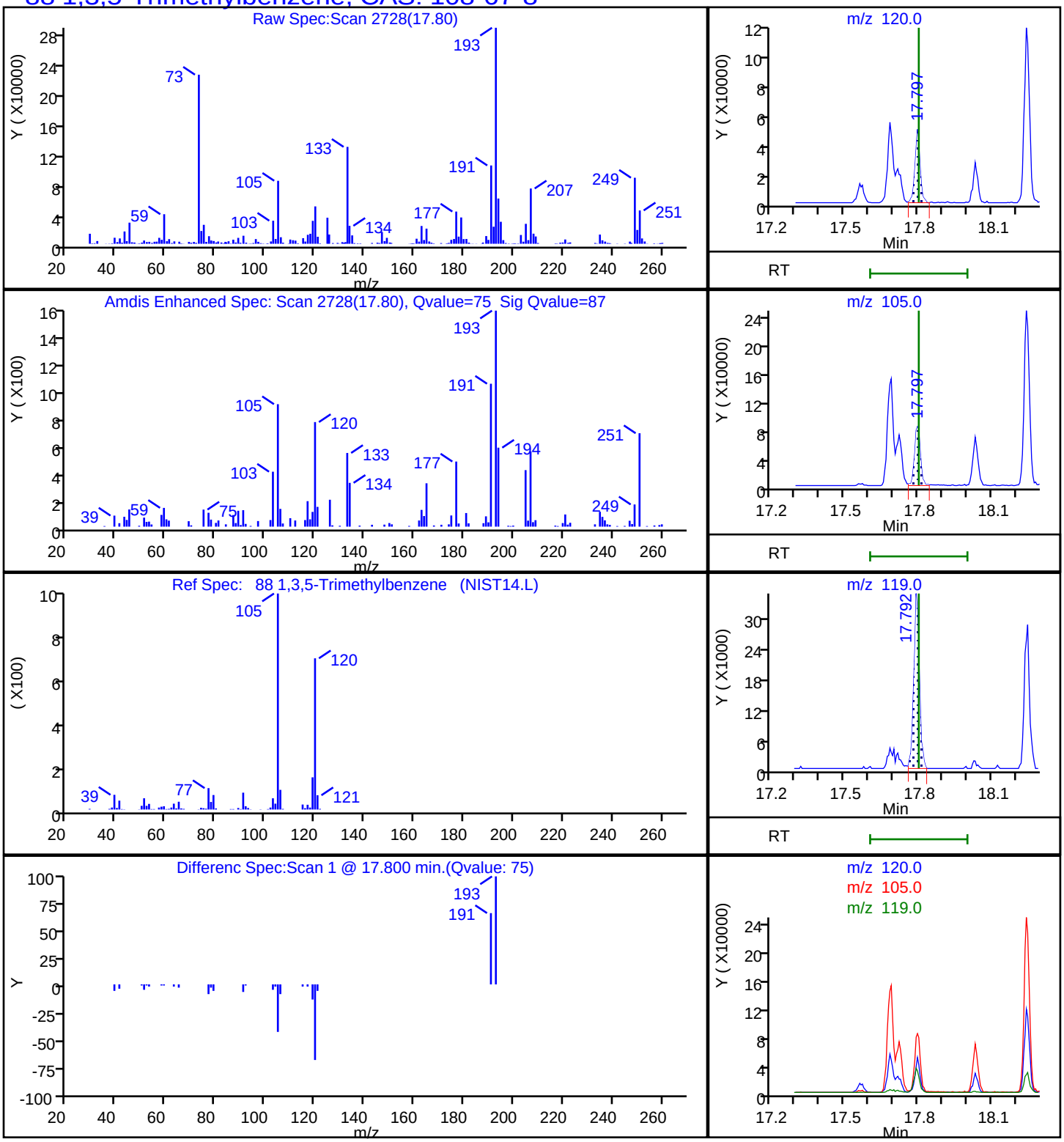
92 1,2,4-Trimethylbenzene, CAS: 95-63-6



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D		
Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2
Client ID:	SVE EFF		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

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



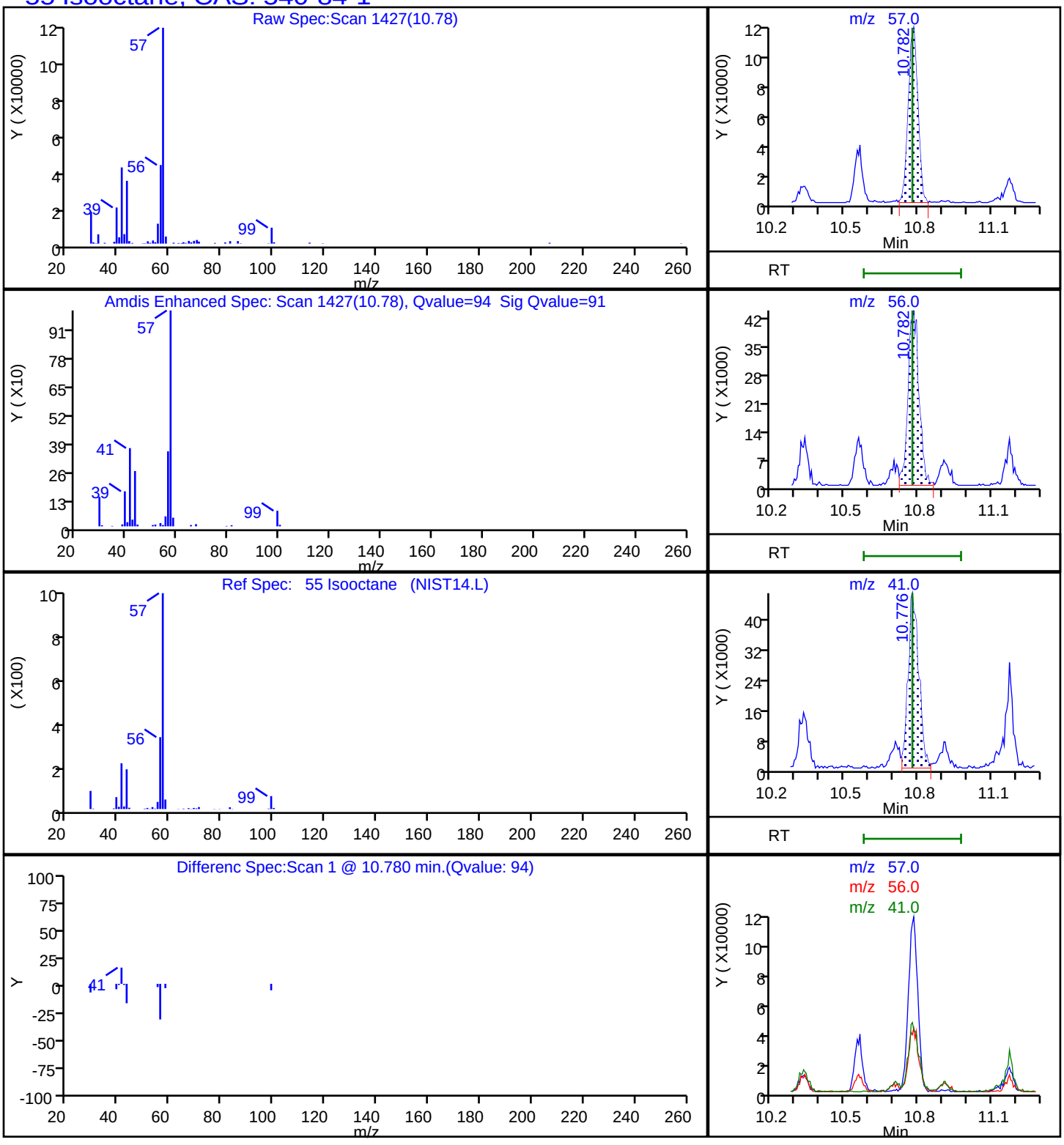
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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D

Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR		
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2		
Client ID:	SVE EFF				
Operator ID:	HMT	ALS Bottle#:	7	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

55 Isooctane, CAS: 540-84-1

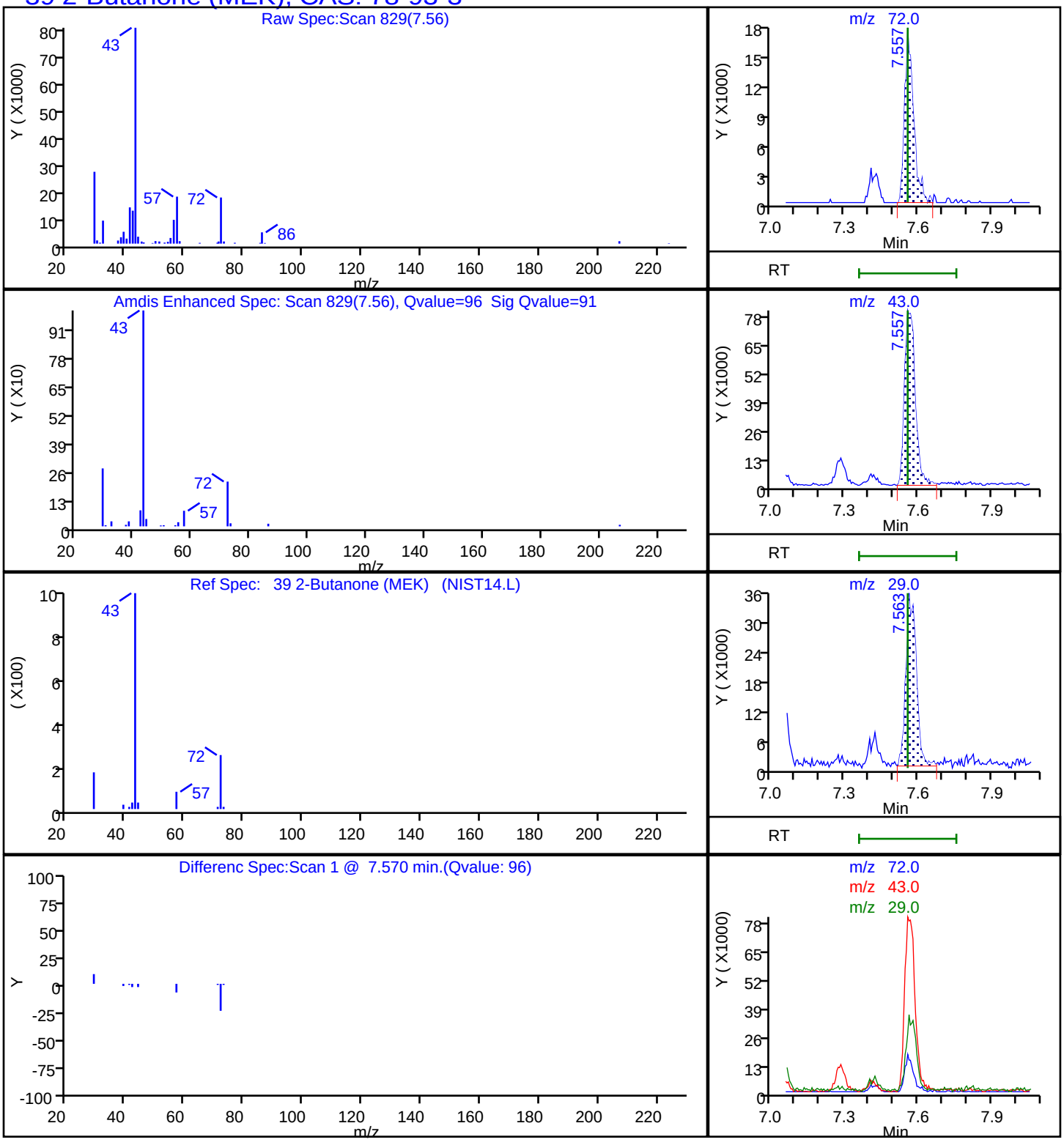


Report Date: 12-Jun-2020 12:28:00 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D		
Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2
Client ID:	SVE EFF		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

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

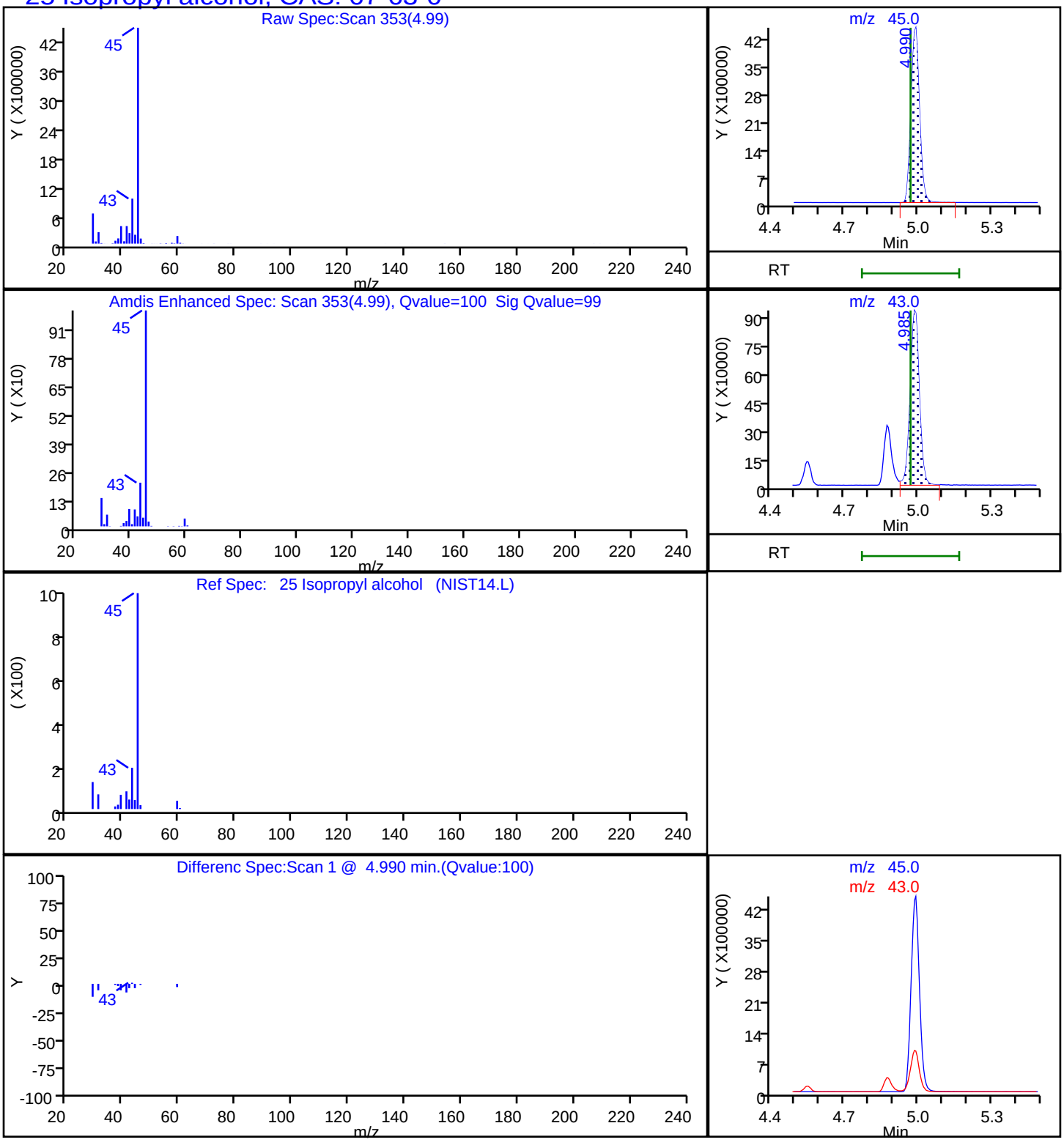


Report Date: 12-Jun-2020 12:28:00 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D		
Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2
Client ID:	SVE EFF		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

25 Isopropyl alcohol, CAS: 67-63-0



Report Date: 12-Jun-2020 12:28:01 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D

Injection Date: 11-Jun-2020 22:16:30 Instrument ID: MR

Lims ID: 140-19327-A-2 Lab Sample ID: 140-19327-2

Client ID: SVE EFF

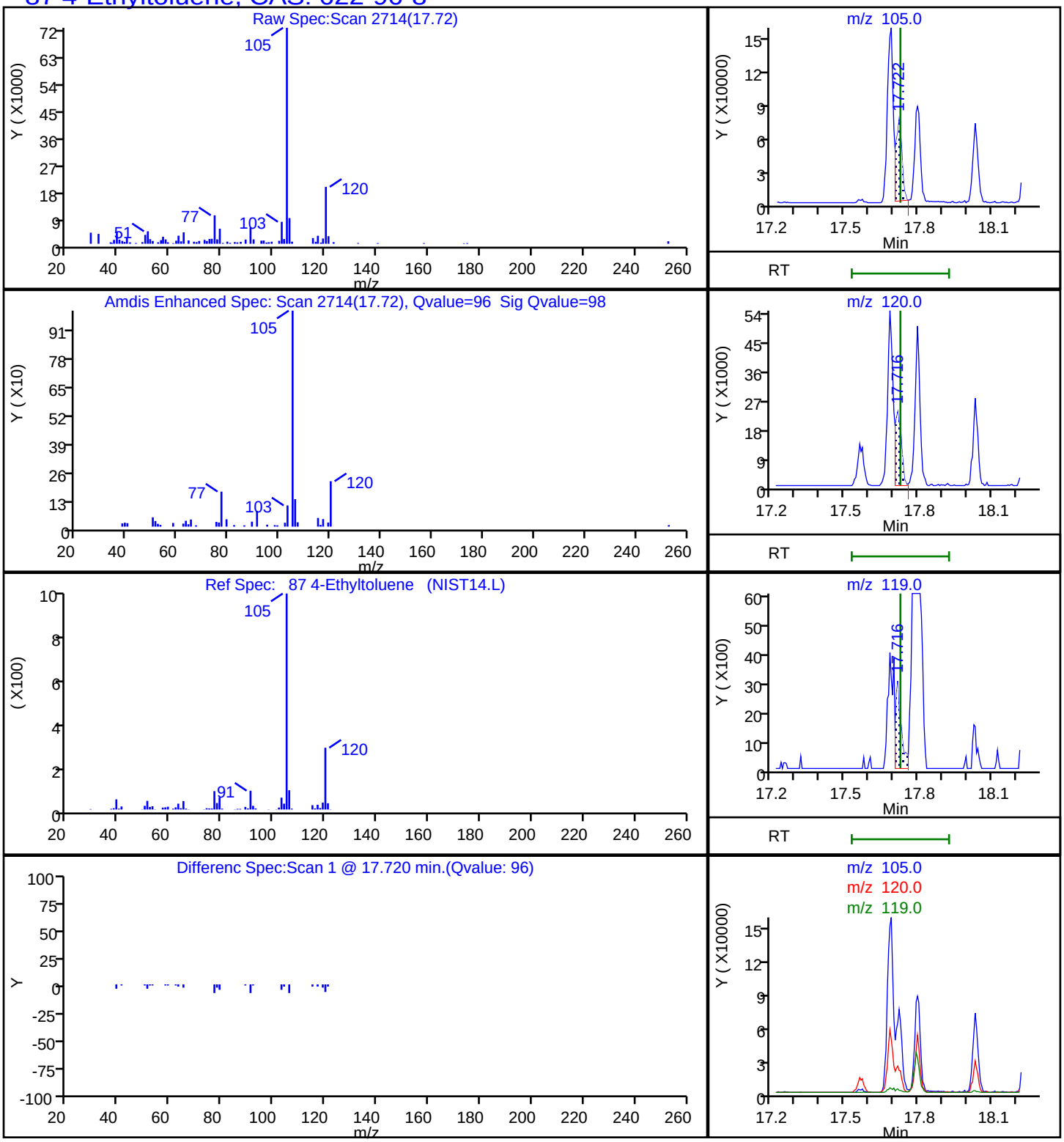
Operator ID: HMT ALS Bottle#: 7 Worklist Smp#: 20

Purge Vol: 500.000 mL Dil. Factor: 1.3400

Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

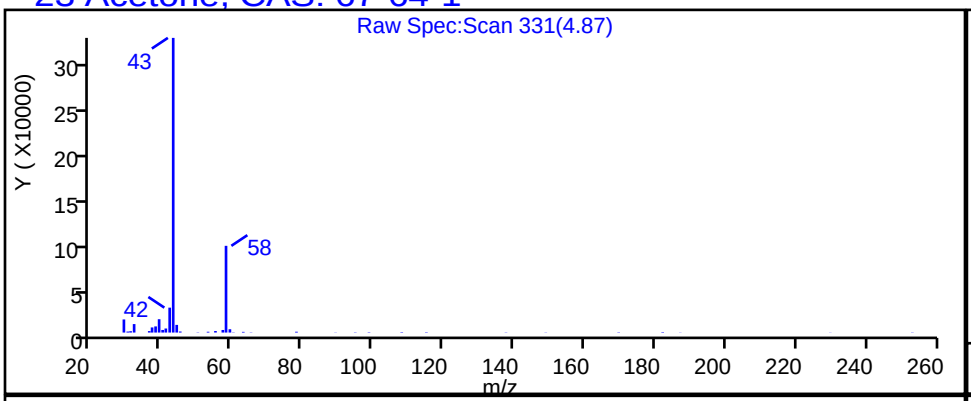
87 4-Ethyltoluene, CAS: 622-96-8

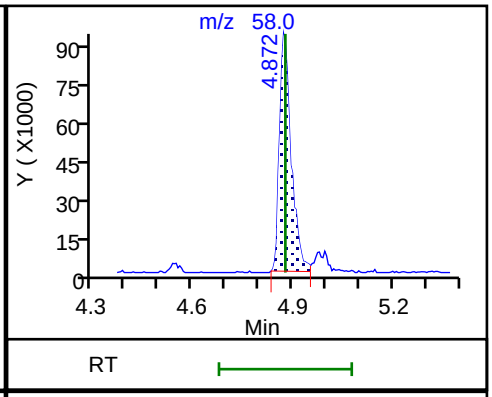


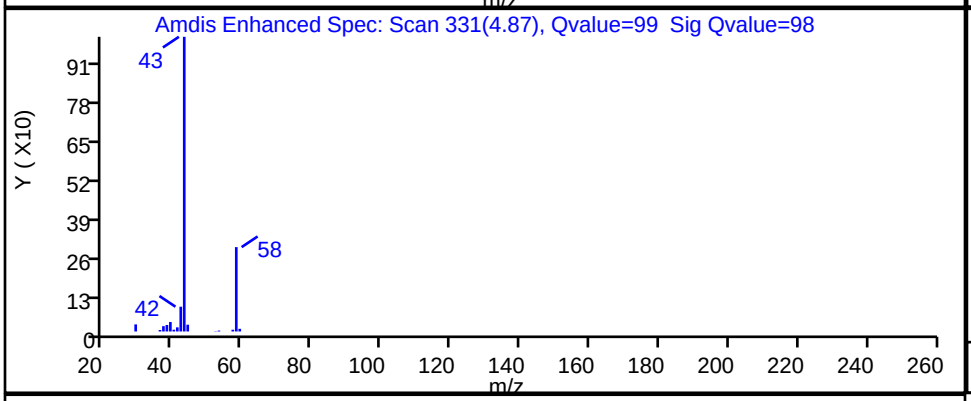
Eurofins TestAmerica, Knoxville

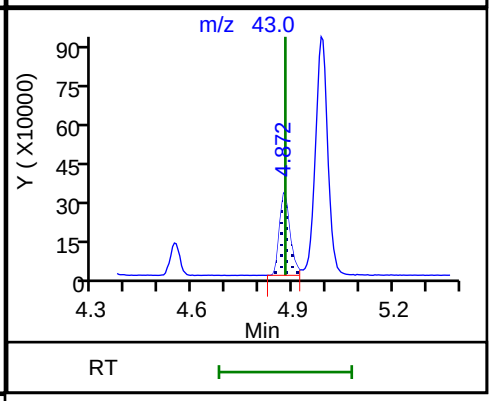
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Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2
Client ID:	SVE EFF		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

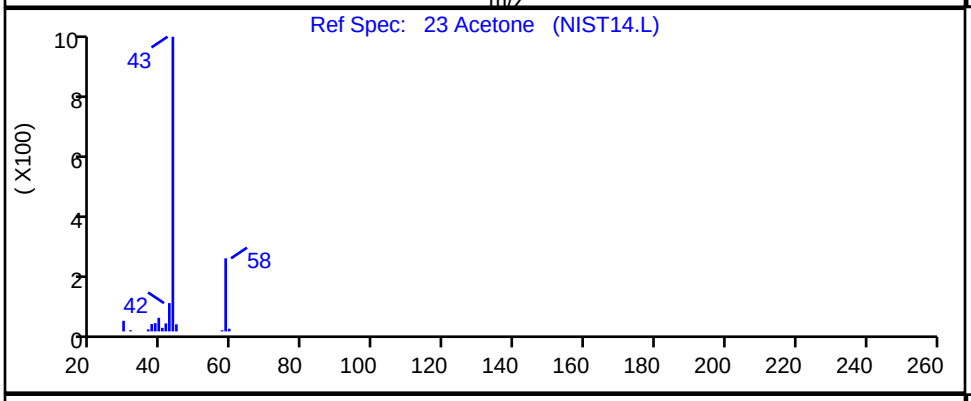
23 Acetone, CAS: 67-64-1

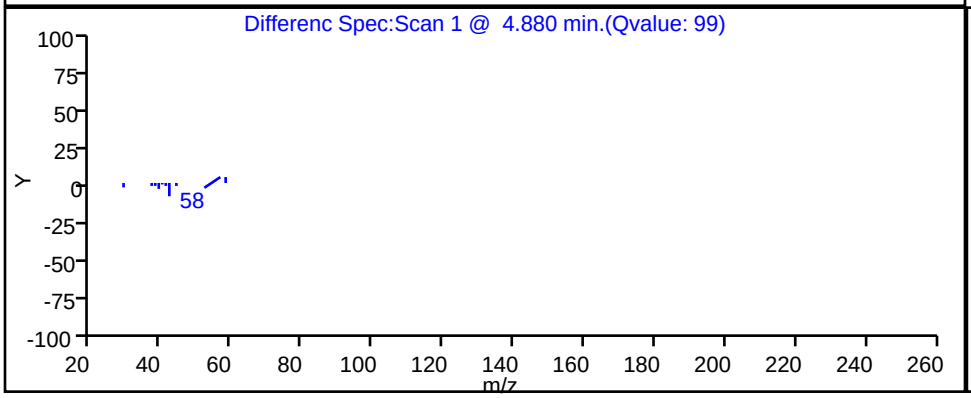


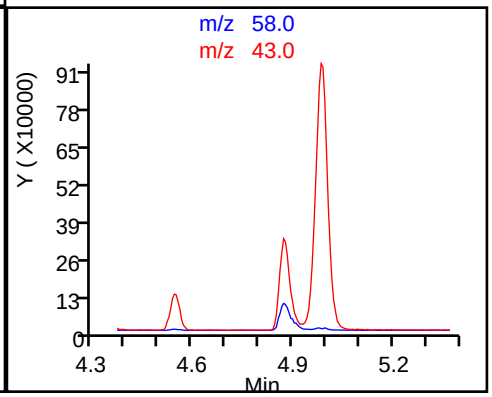










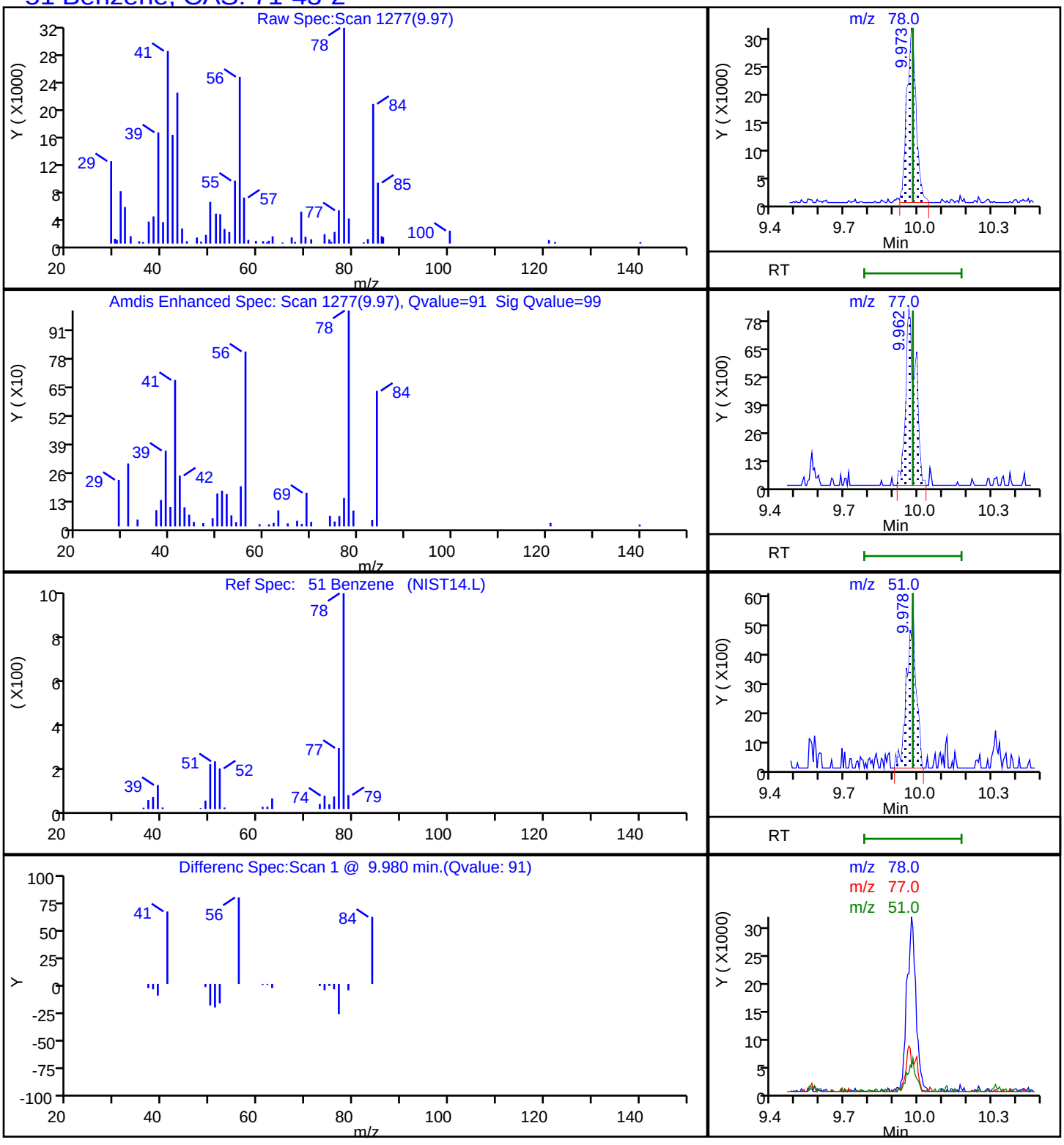


Report Date: 12-Jun-2020 12:28:00 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D		
Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2
Client ID:	SVE EFF		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

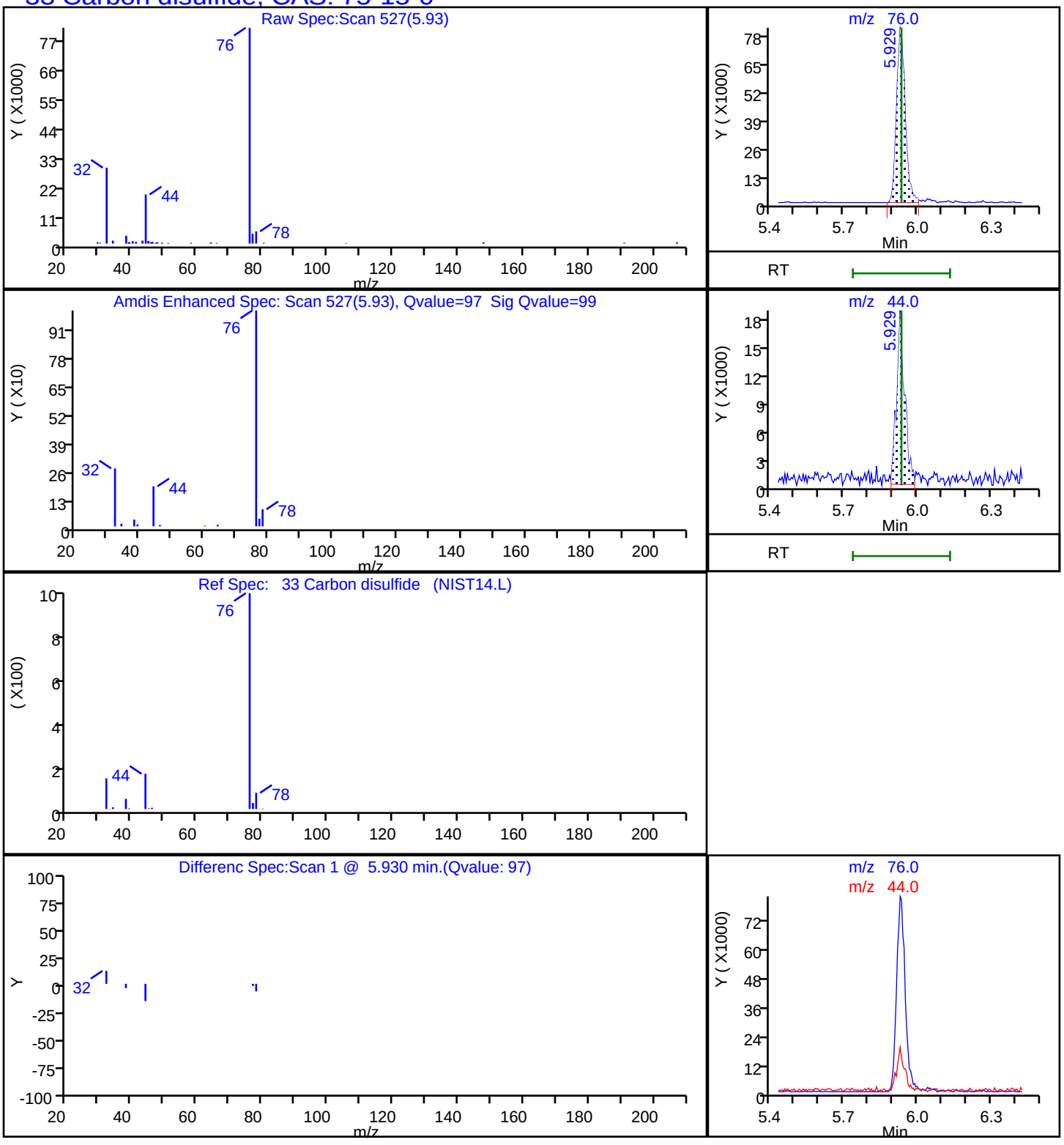
51 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D		
Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2
Client ID:	SVE EFF		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

33 Carbon disulfide, CAS: 75-15-0



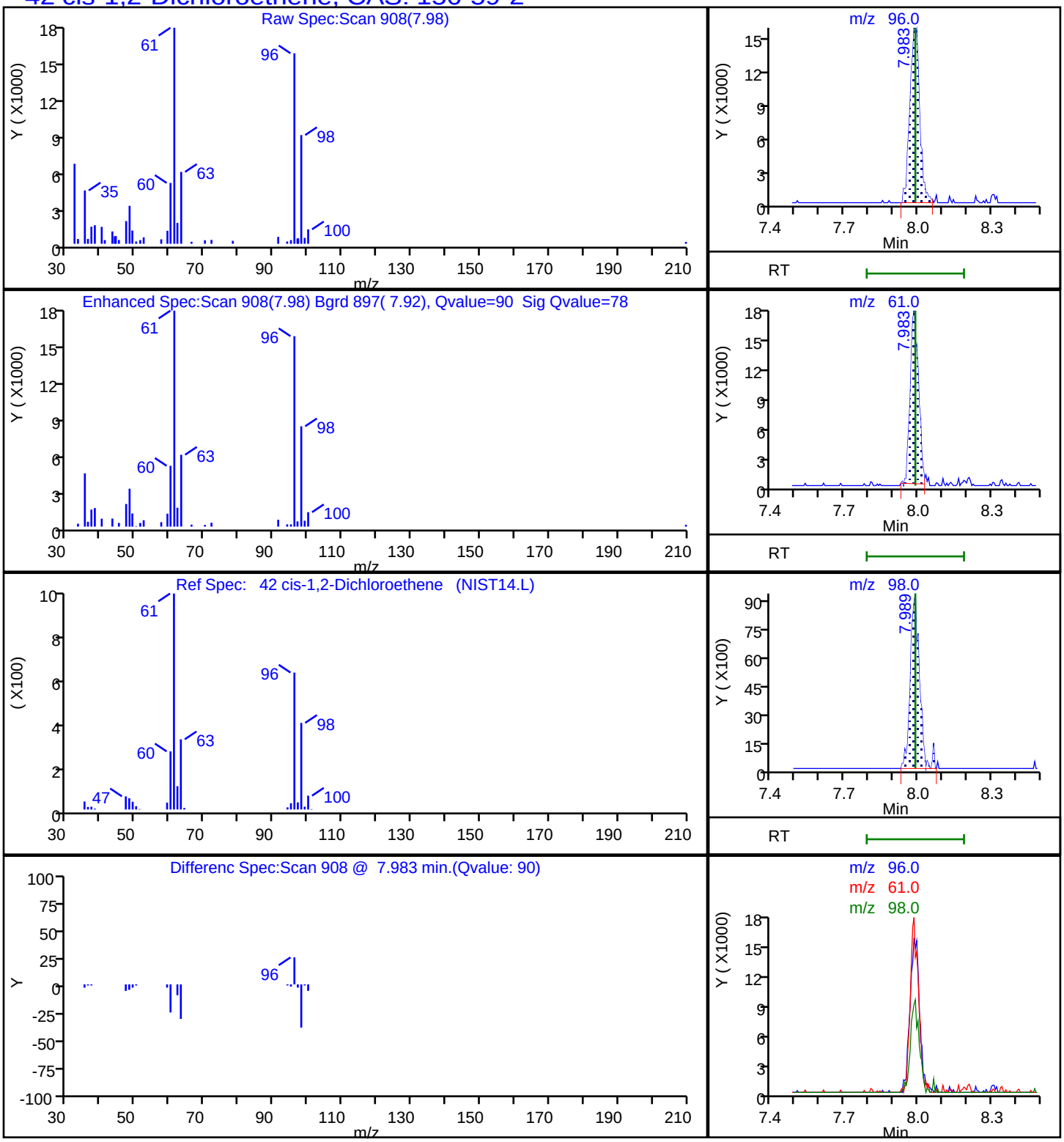
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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D

Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR		
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2		
Client ID:	SVE EFF				
Operator ID:	HMT	ALS Bottle#:	7	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

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

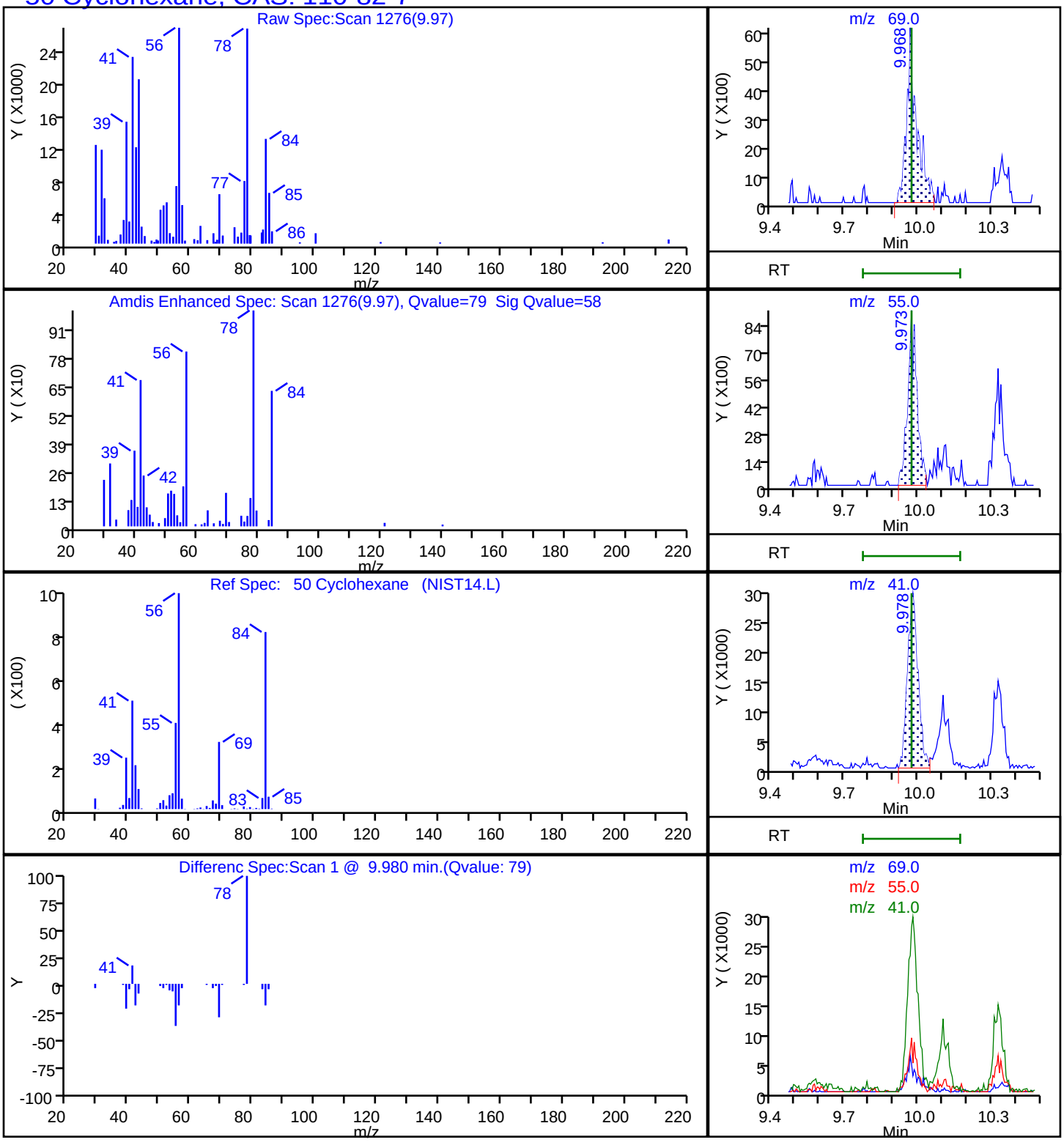


Report Date: 12-Jun-2020 12:28:00 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D		
Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2
Client ID:	SVE EFF		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

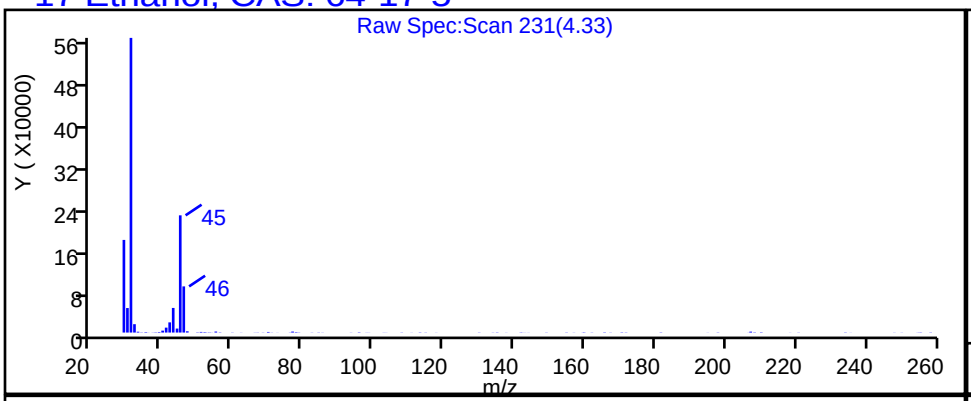
50 Cyclohexane, CAS: 110-82-7

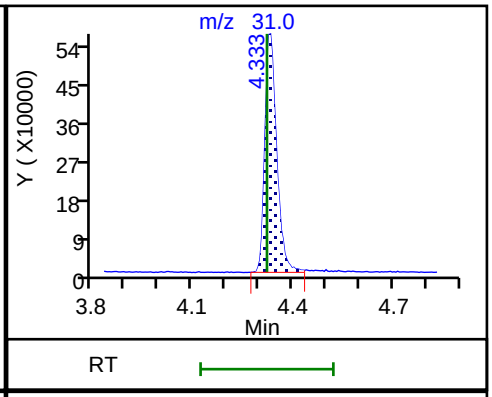


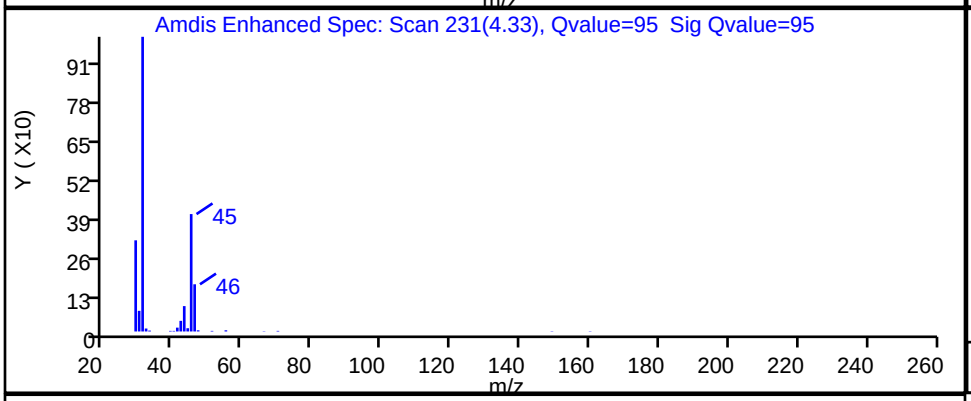
Eurofins TestAmerica, Knoxville

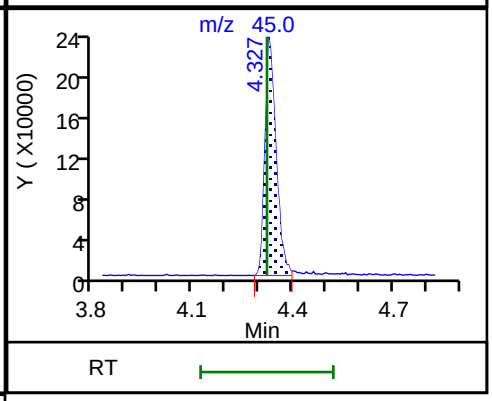
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Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2
Client ID:	SVE EFF		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

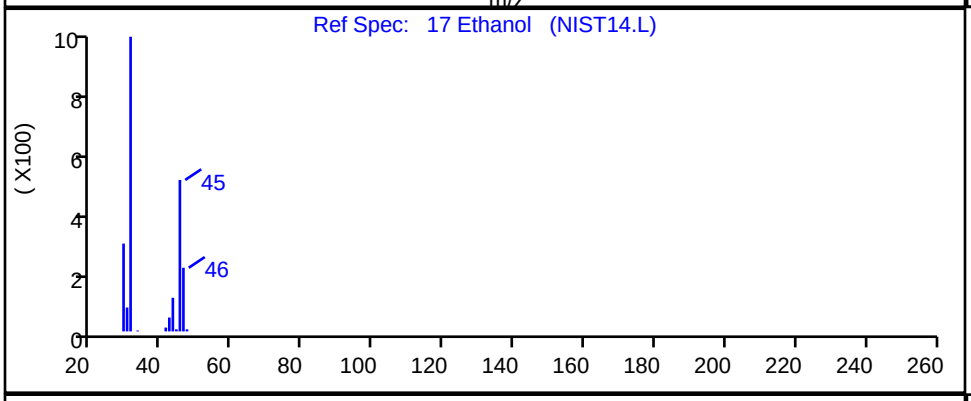
17 Ethanol, CAS: 64-17-5

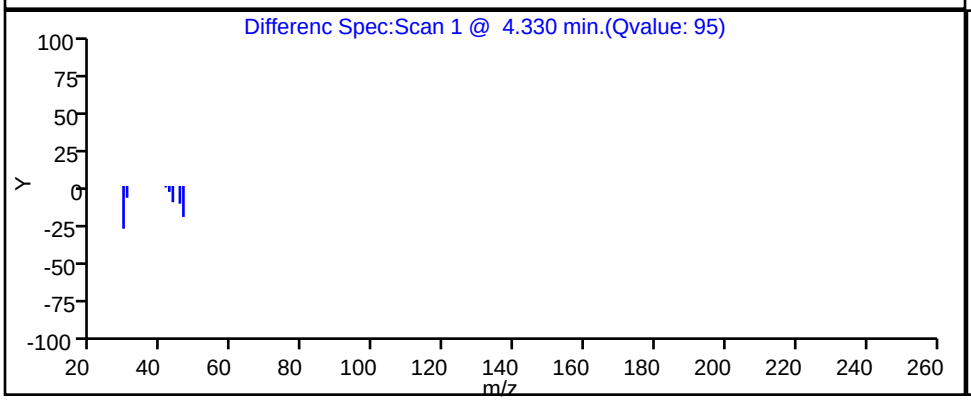


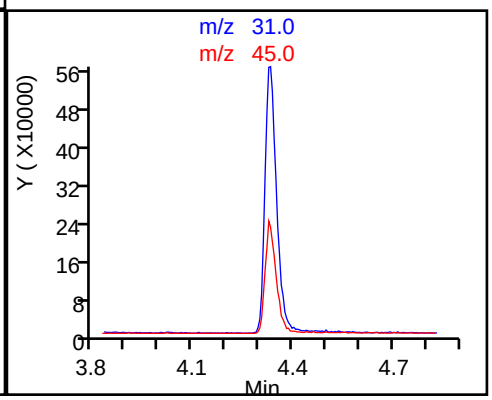








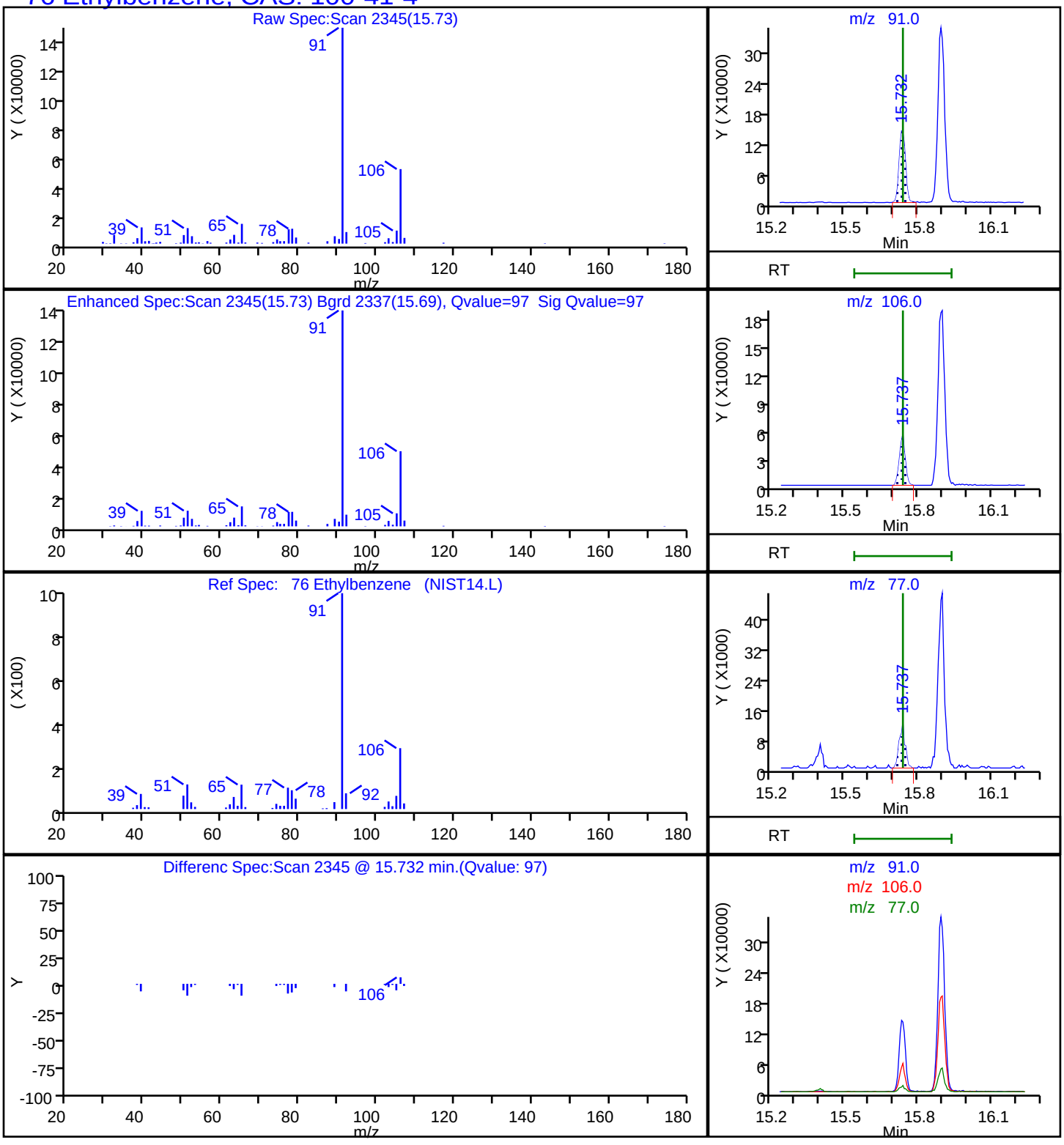




Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D		
Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2
Client ID:	SVE EFF		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

76 Ethylbenzene, CAS: 100-41-4



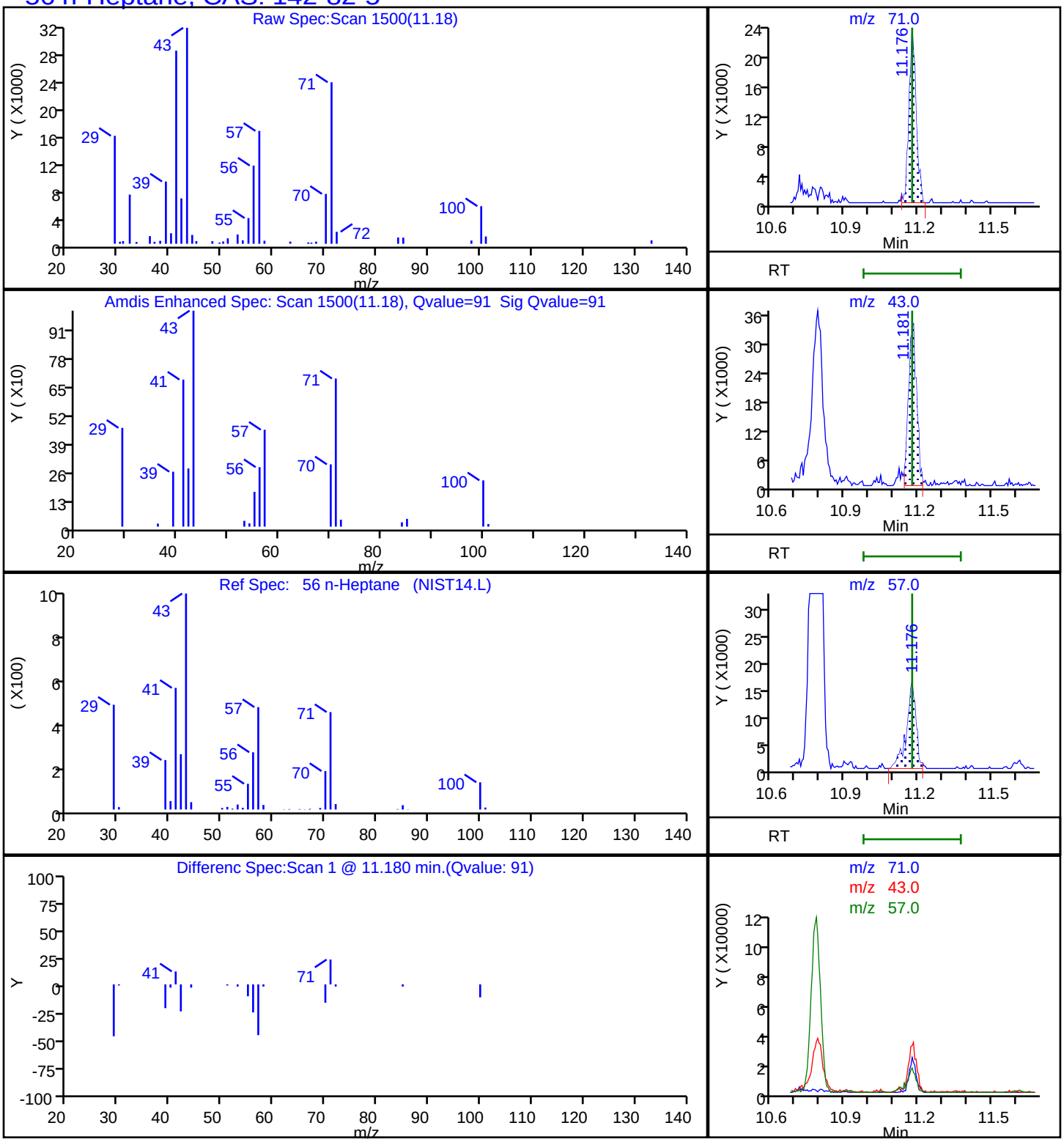
Report Date: 12-Jun-2020 12:28:00 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D

Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR		
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2		
Client ID:	SVE EFF				
Operator ID:	HMT	ALS Bottle#:	7	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

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

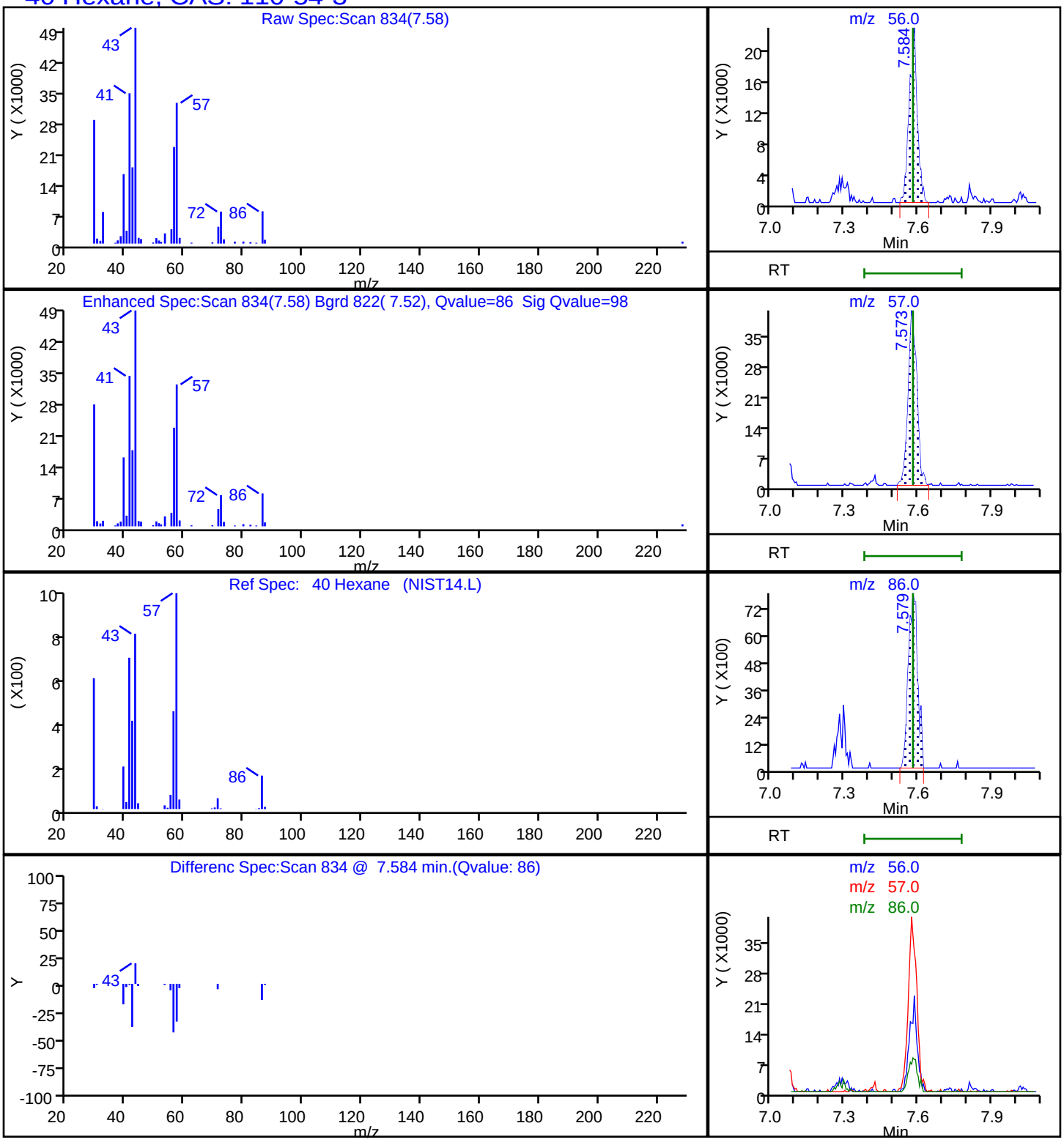


Report Date: 12-Jun-2020 12:28:00 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D		
Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2
Client ID:	SVE EFF		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

40 Hexane, CAS: 110-54-3

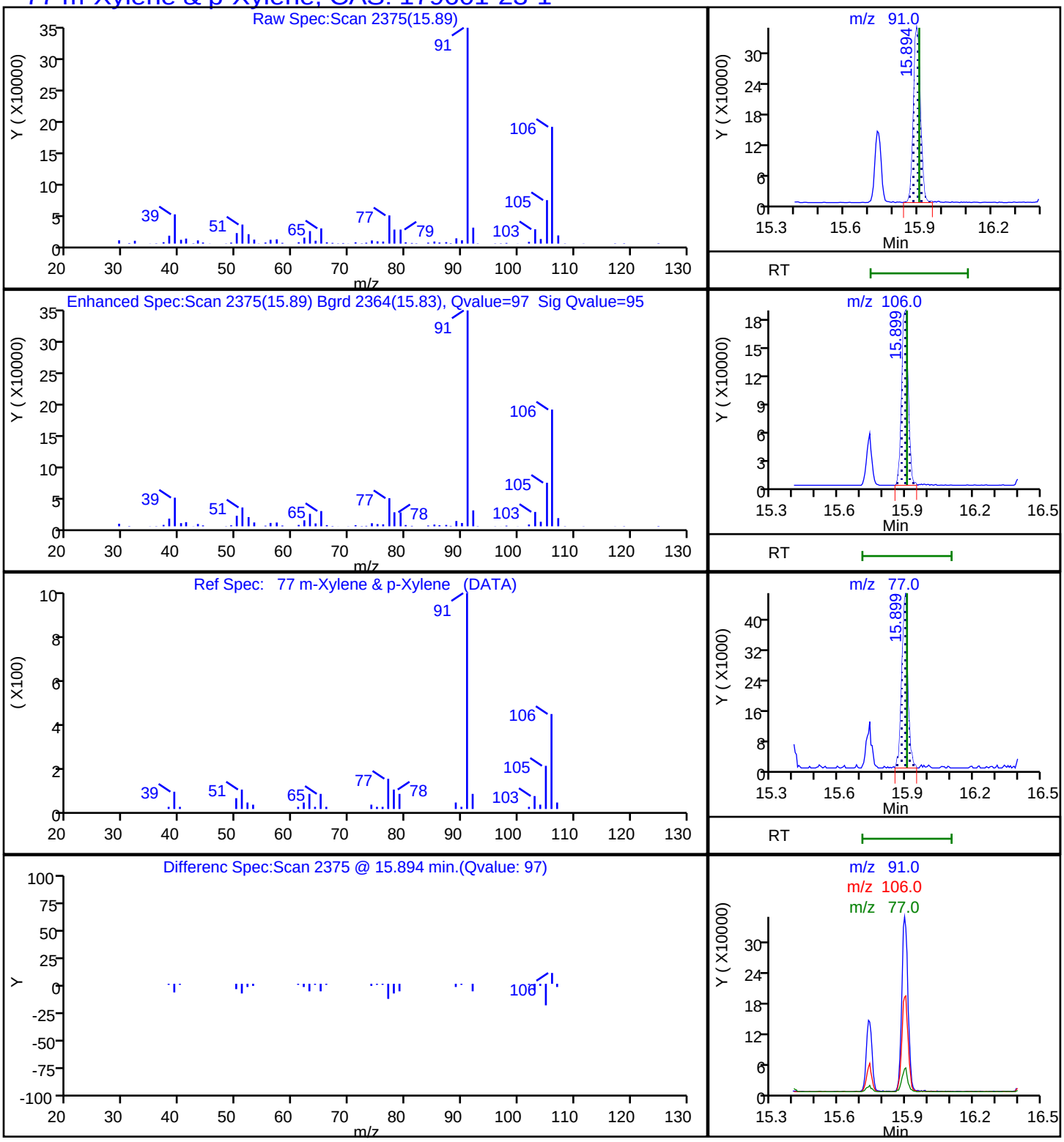


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Eurofins TestAmerica, Knoxville

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Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2
Client ID:	SVE EFF		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

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

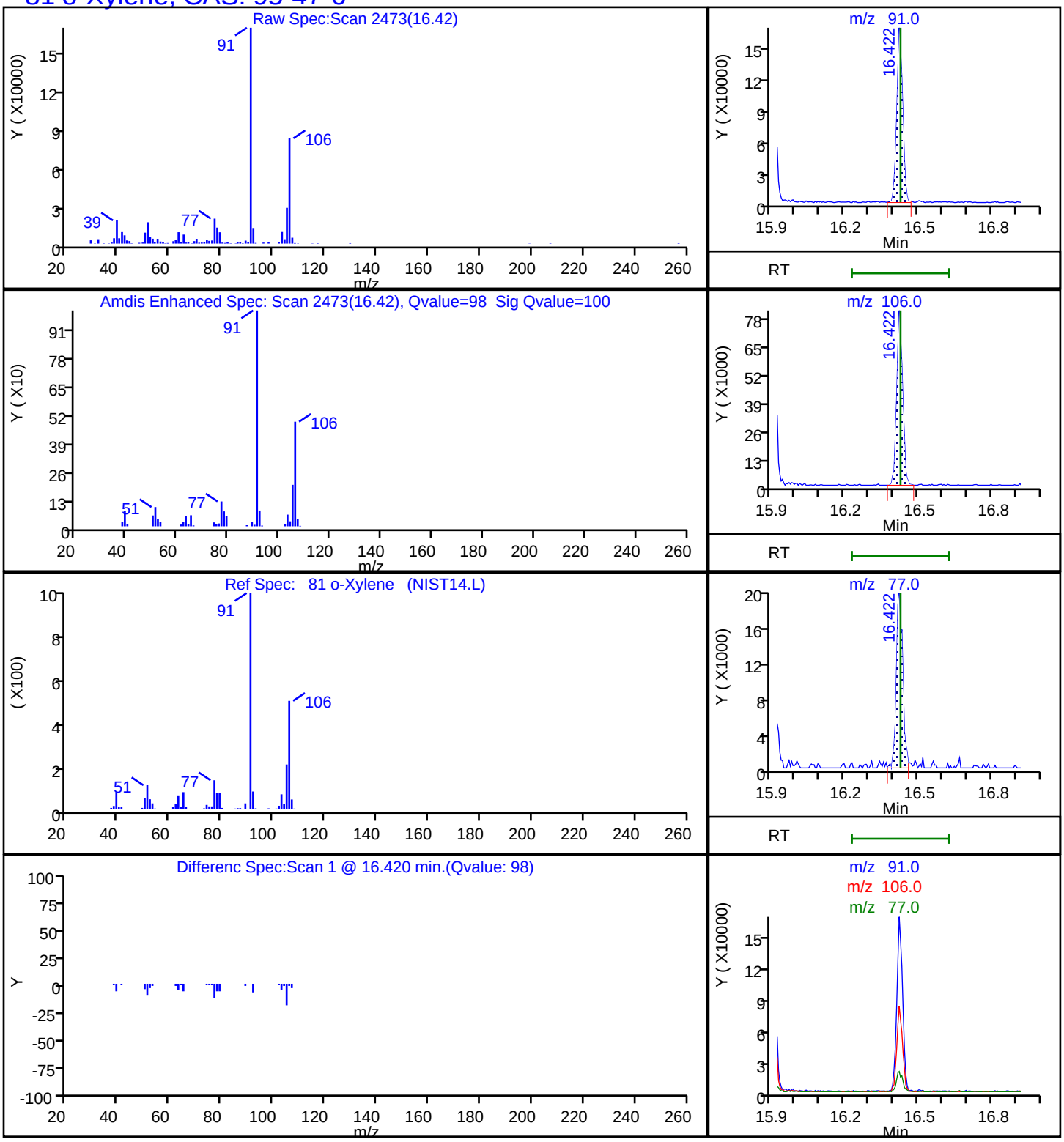


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Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D		
Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2
Client ID:	SVE EFF		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

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



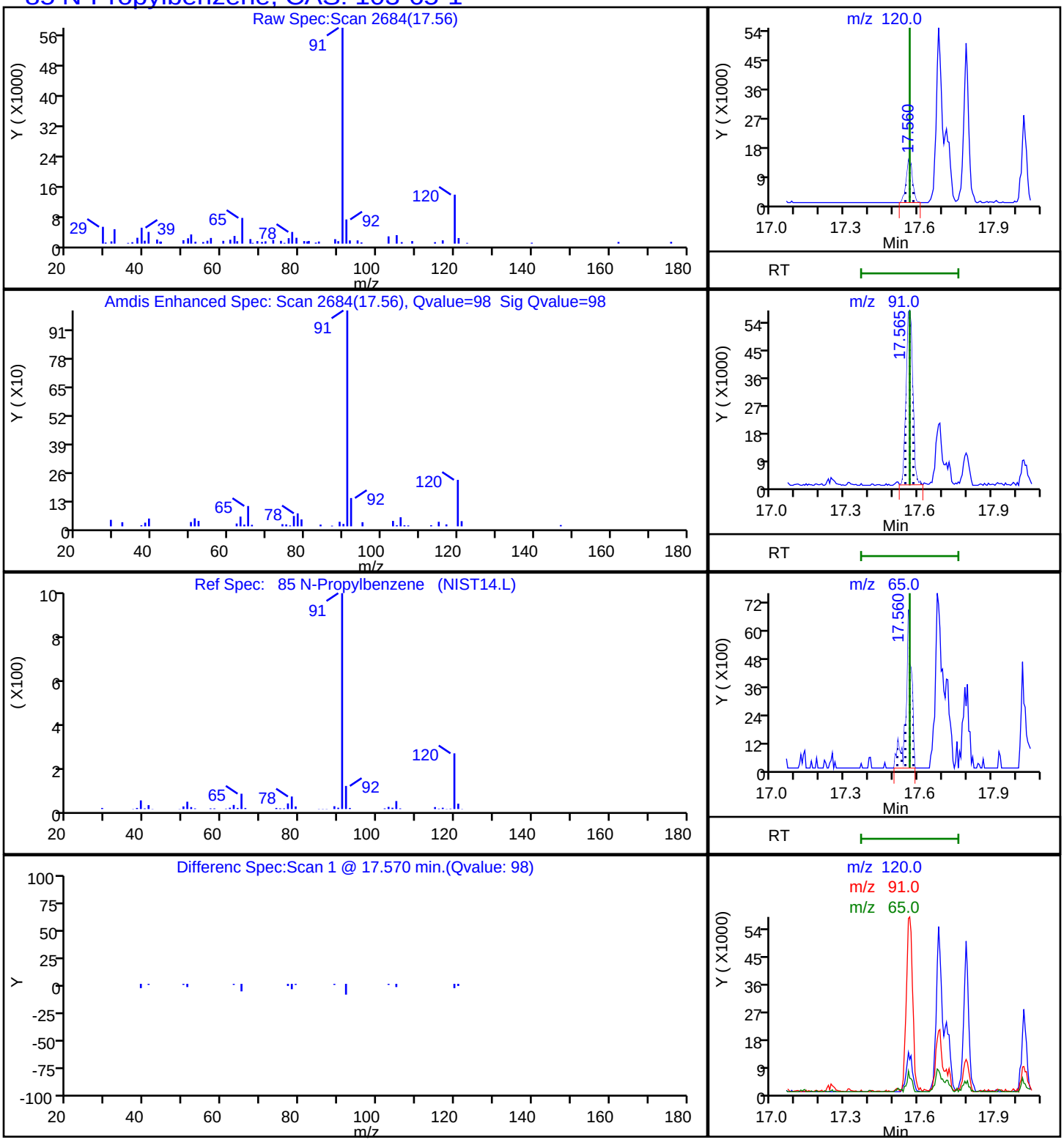
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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D

Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2
Client ID:	SVE EFF		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

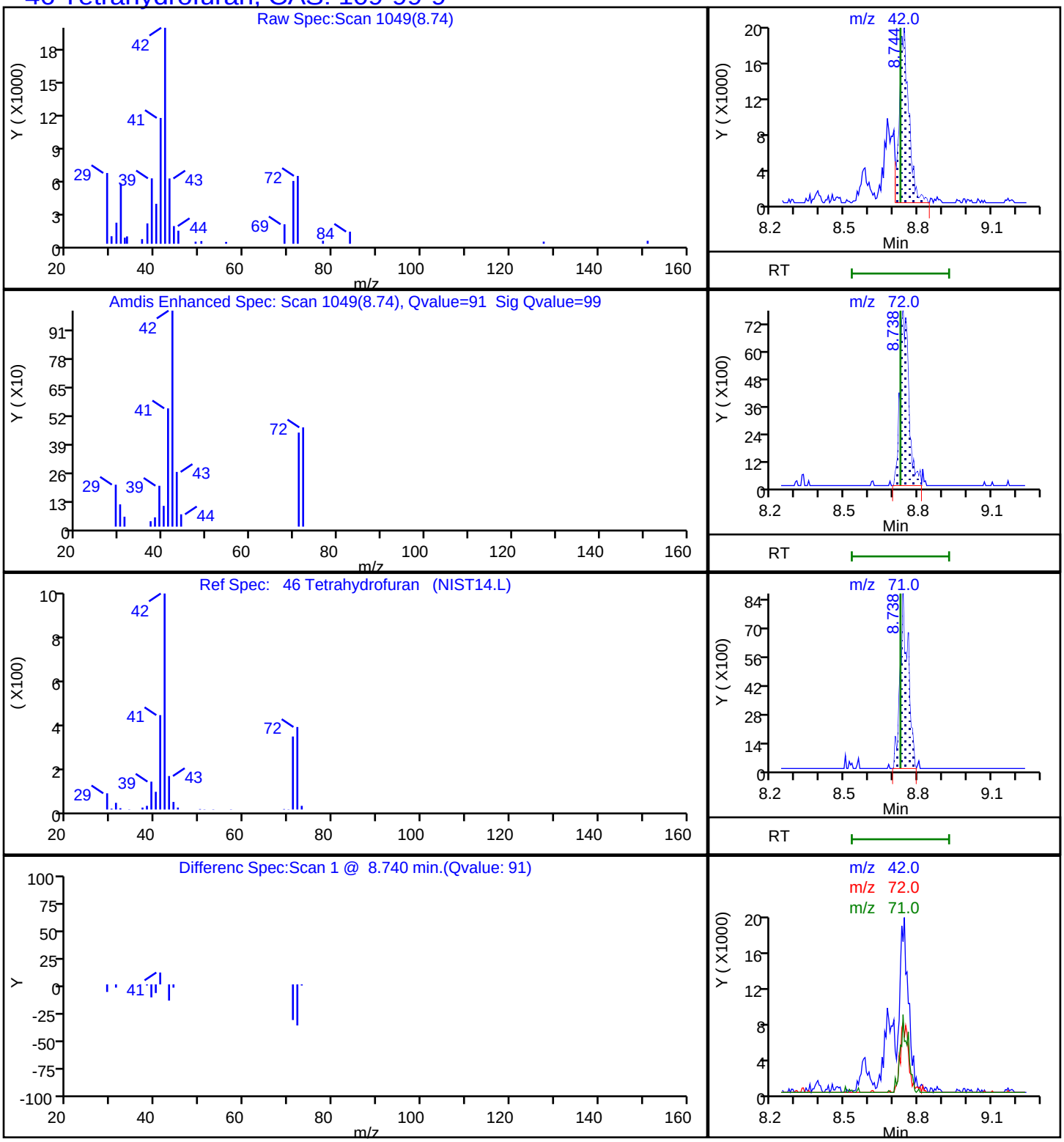
85 N-Propylbenzene, CAS: 103-65-1



Eurofins TestAmerica, Knoxville

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Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2
Client ID:	SVE EFF		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

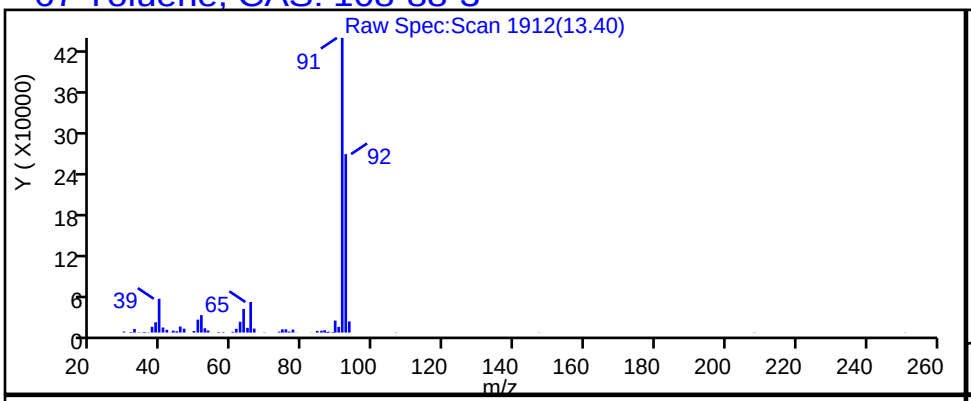
46 Tetrahydrofuran, CAS: 109-99-9

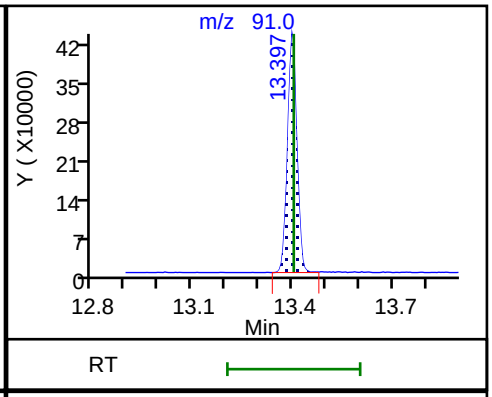


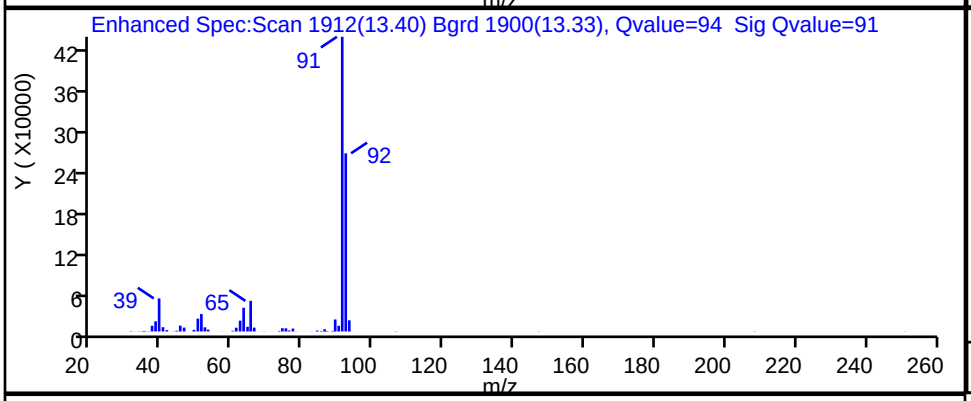
Eurofins TestAmerica, Knoxville

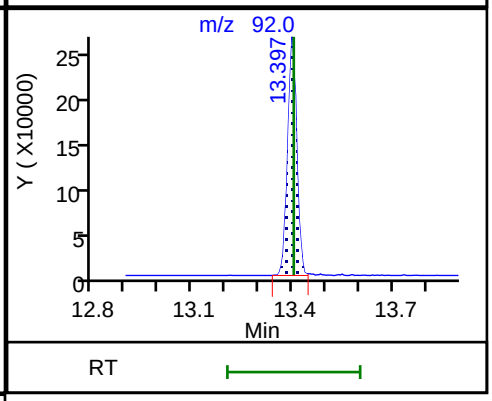
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Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2
Client ID:	SVE EFF		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

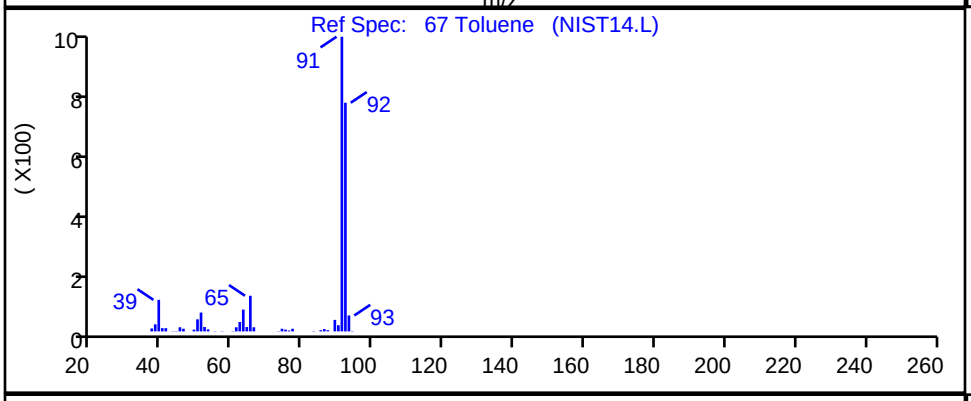
67 Toluene, CAS: 108-88-3

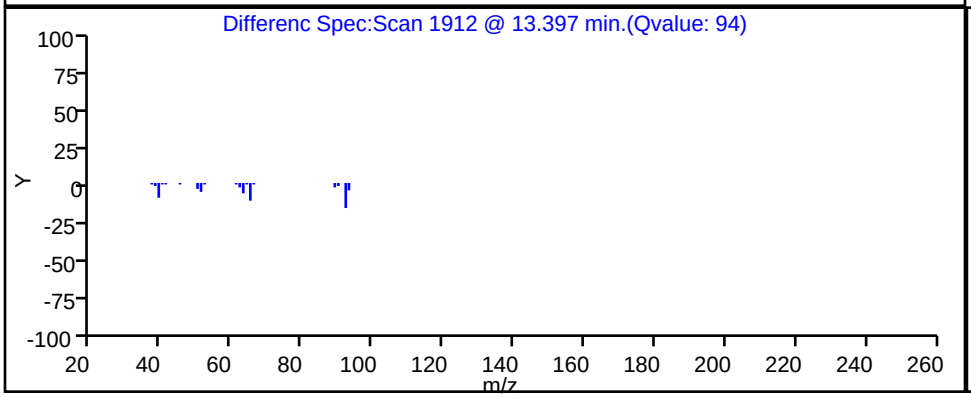


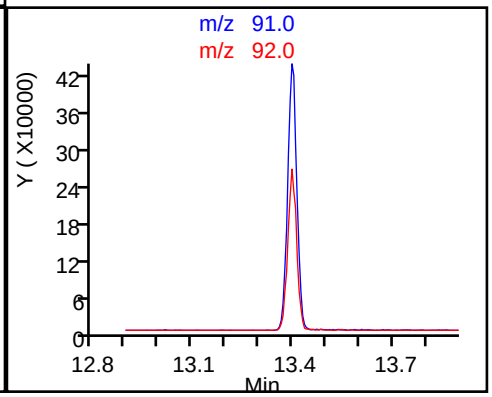












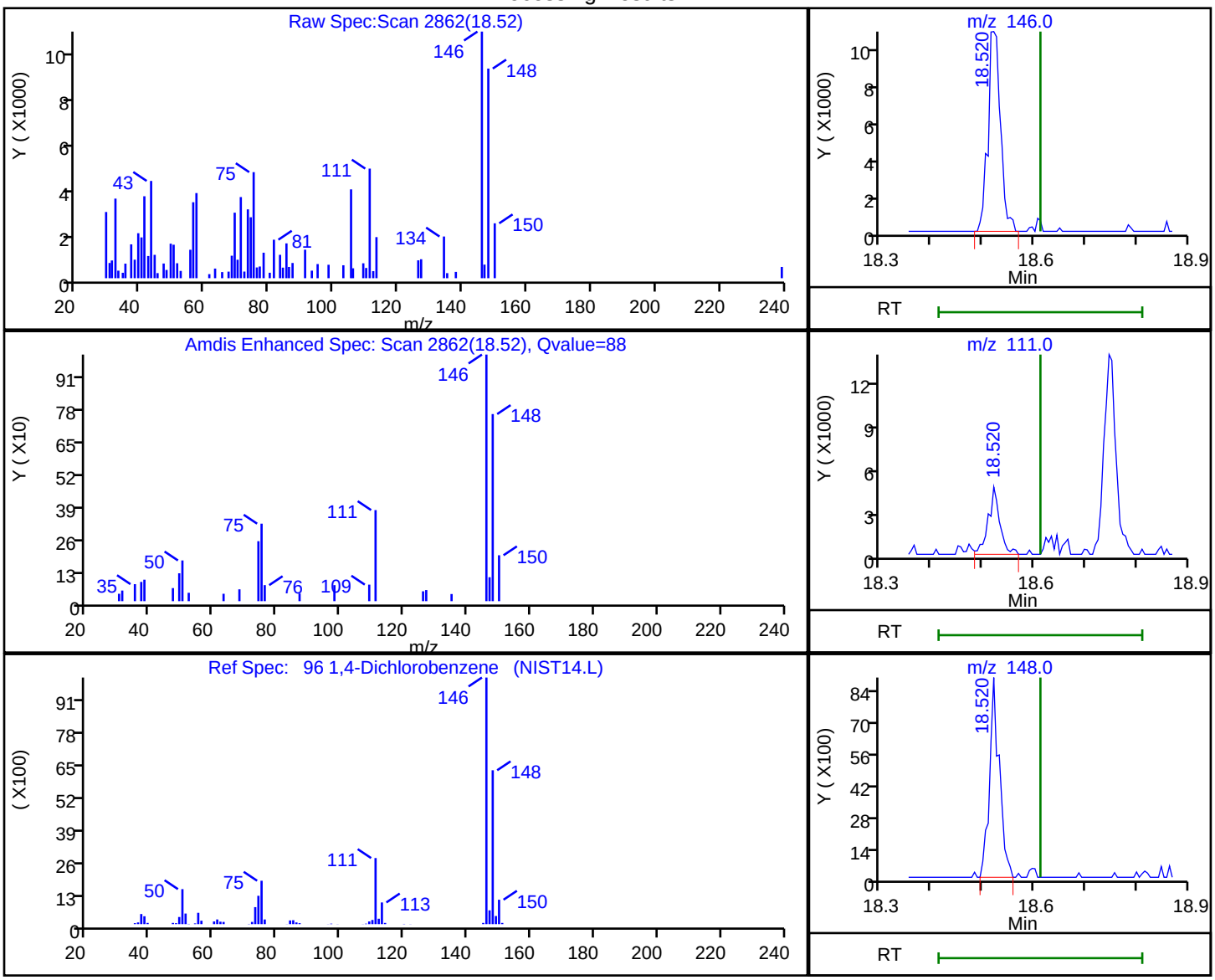
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

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Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR		
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2		
Client ID:	SVE EFF				
Operator ID:	HMT	ALS Bottle#:	7	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

96 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
18.52	146.00	18031	0.082118
18.52	111.00	7349	
18.52	148.00	11924	

Reviewer: khachitpongpanits, 12-Jun-2020 12:27:48

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

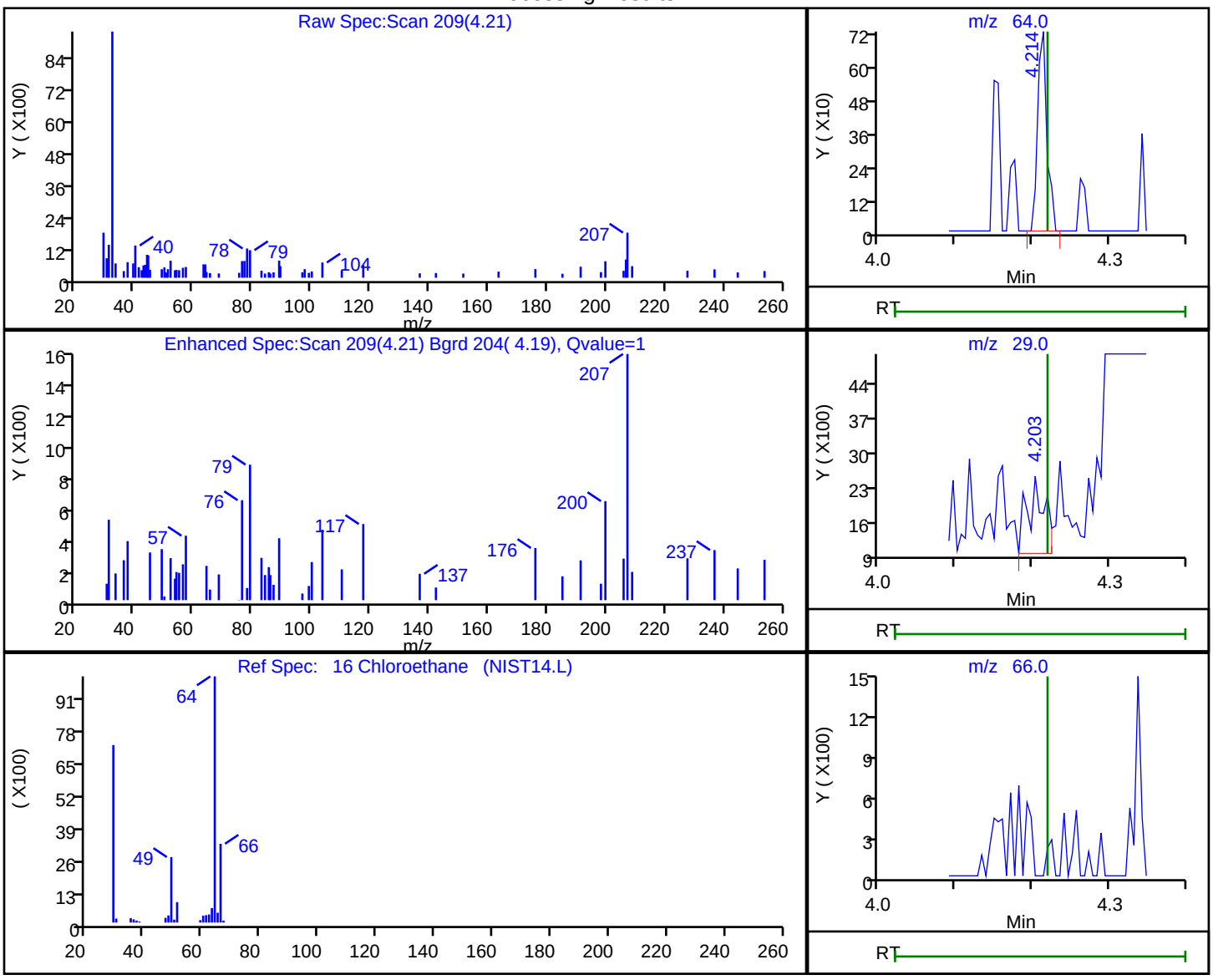
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D				
Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR		
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2		
Client ID:	SVE EFF				
Operator ID:	HMT	ALS Bottle#:	7	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

16 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
4.21	64.00	612	0.015947
4.20	29.00	2391	
4.22	66.00	0	

Reviewer: khachitpongpanits, 12-Jun-2020 12:25:32

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

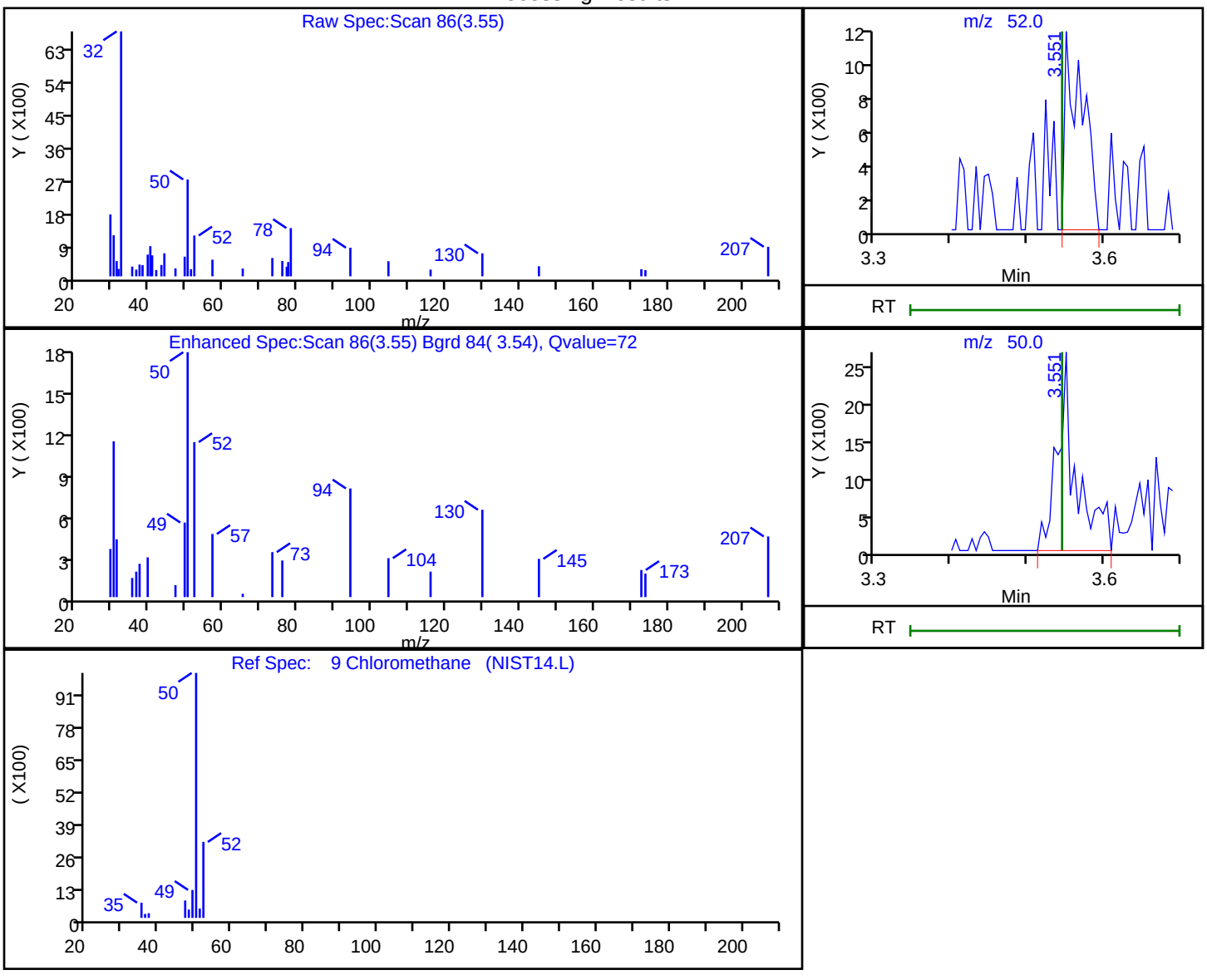
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D				
Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR		
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2		
Client ID:	SVE EFF				
Operator ID:	HMT	ALS Bottle#:	7	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

9 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
3.55	52.00	1790	0.104978
3.55	50.00	4599	

Reviewer: khachitpongpanits, 12-Jun-2020 12:25:15

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

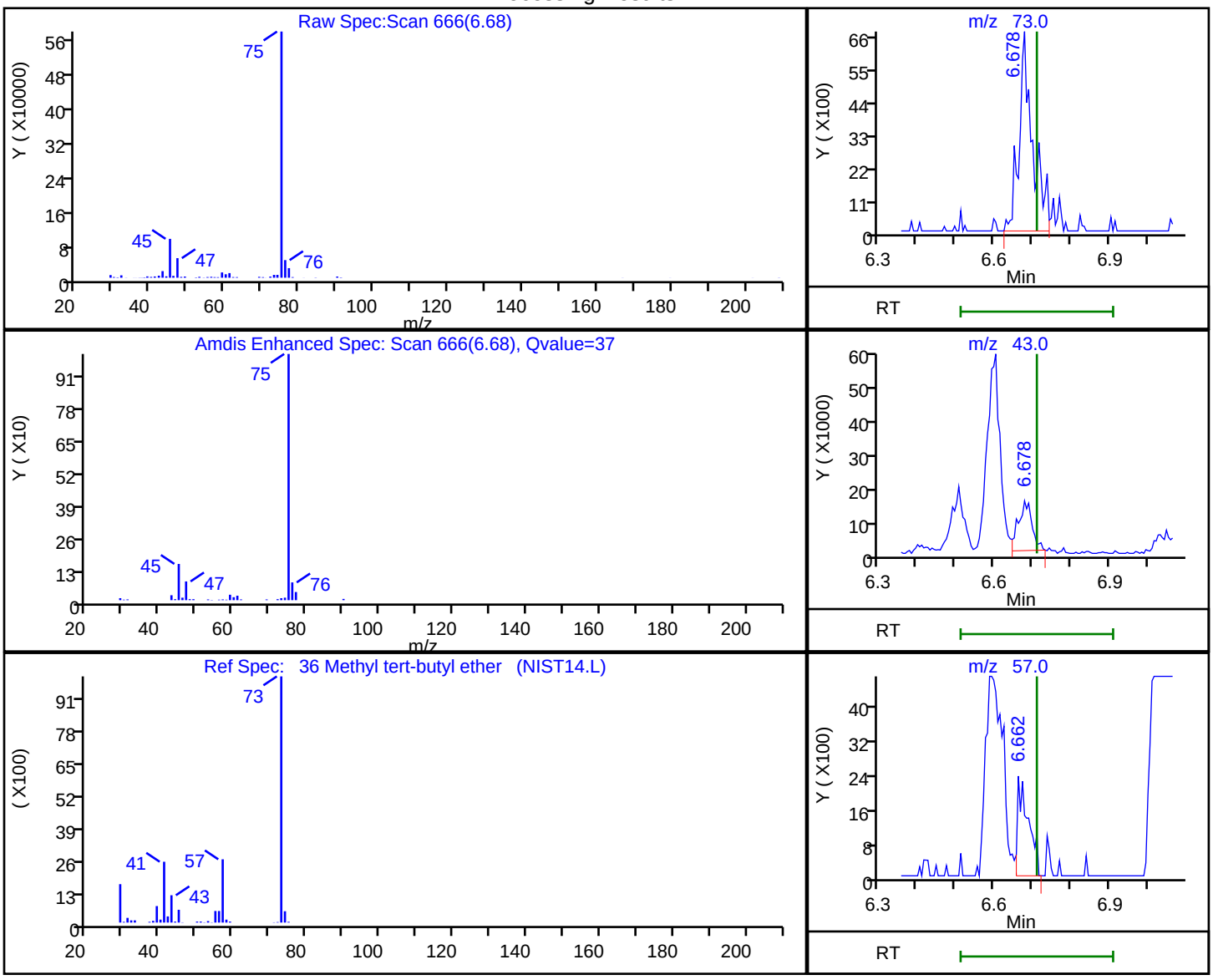
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D				
Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR		
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2		
Client ID:	SVE EFF				
Operator ID:	HMT	ALS Bottle#:	7	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
6.68	73.00	16626	0.106108
6.68	43.00	36398	
6.66	57.00	4610	

Reviewer: khachitpongpanits, 12-Jun-2020 12:26:17

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

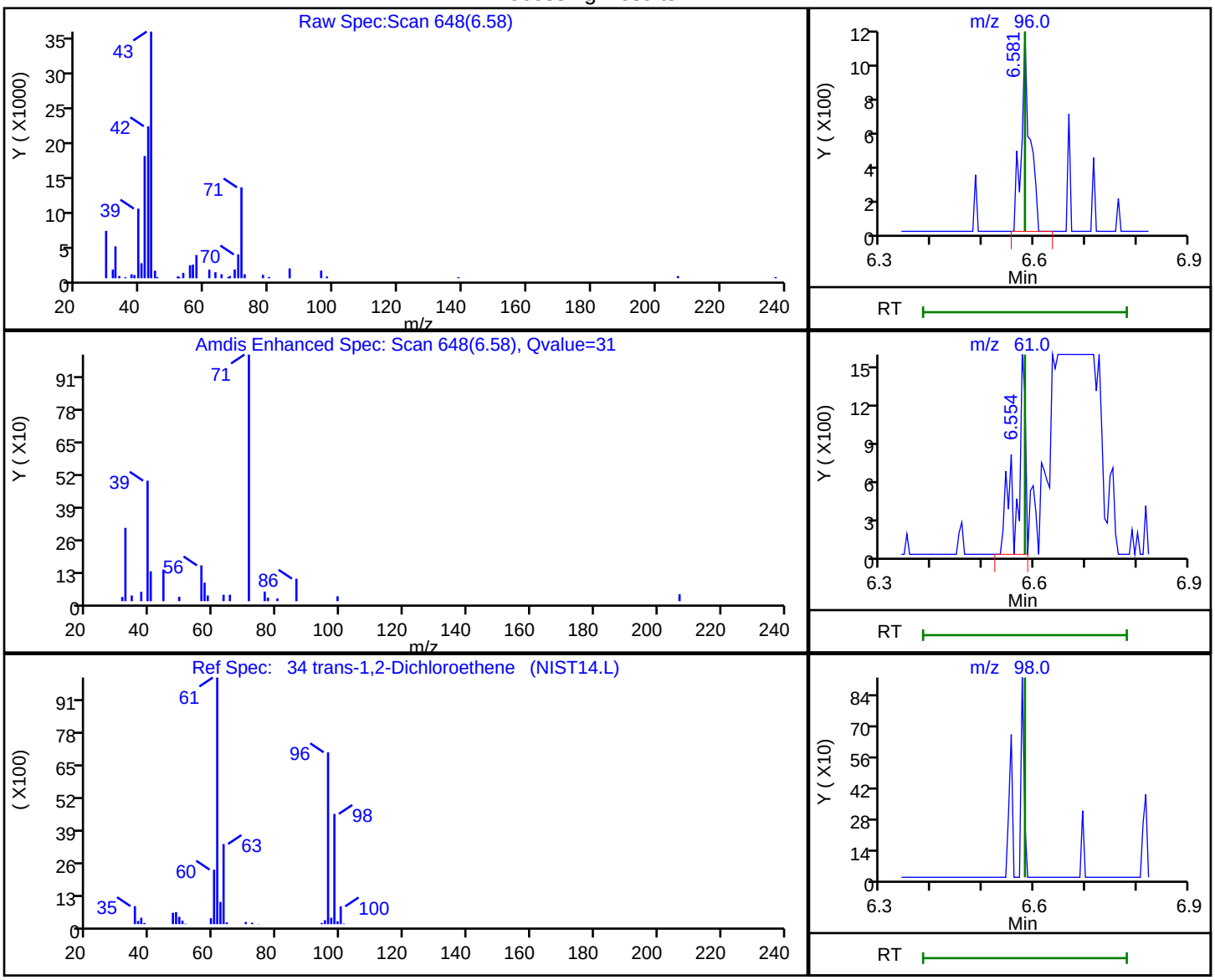
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D				
Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR		
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2		
Client ID:	SVE EFF				
Operator ID:	HMT	ALS Bottle#:	7	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
6.58	96.00	1286	0.019976
6.55	61.00	1759	
6.58	98.00	0	

Reviewer: khachitpongpanits, 12-Jun-2020 12:26:07

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

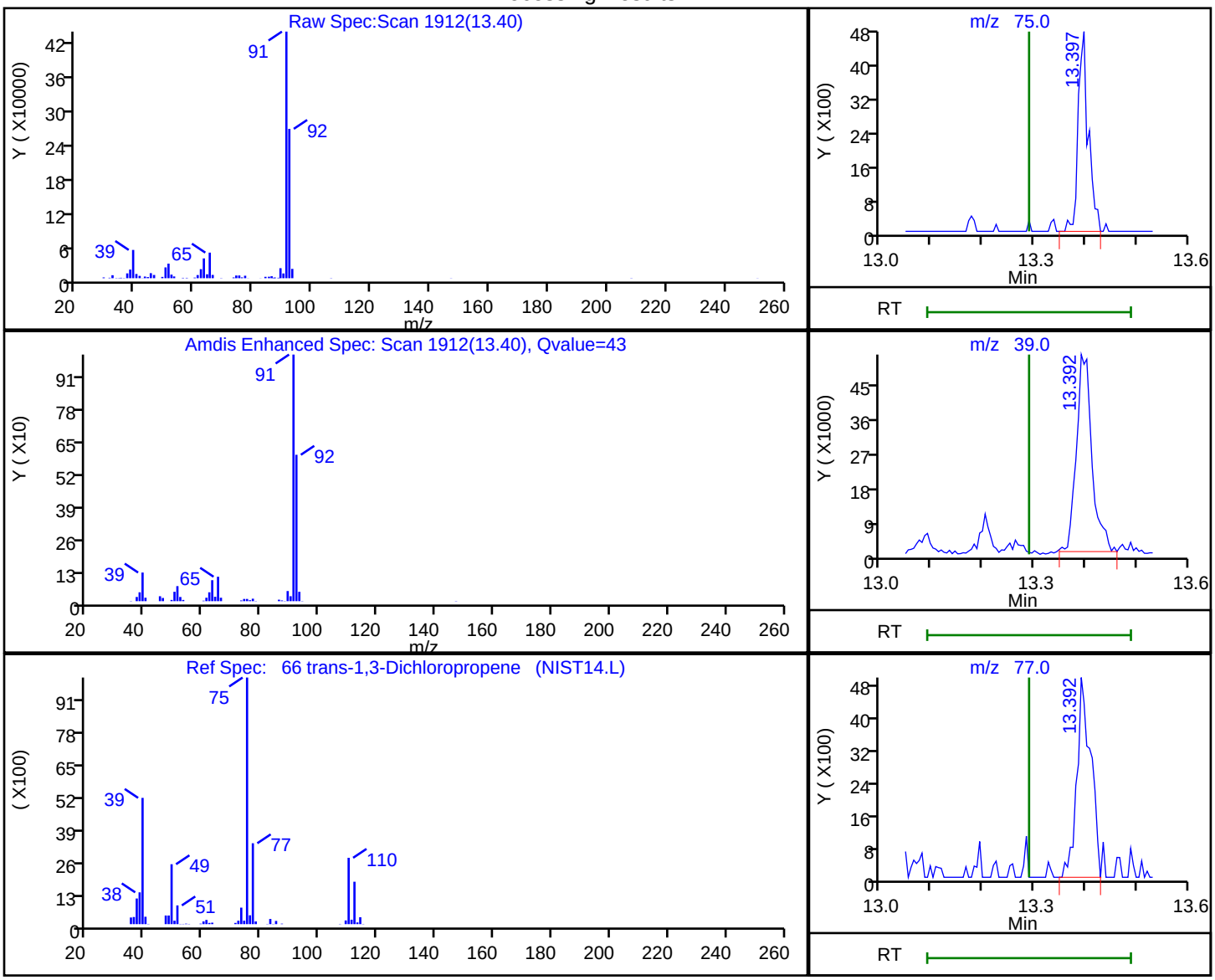
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P107.D				
Injection Date:	11-Jun-2020 22:16:30	Instrument ID:	MR		
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2		
Client ID:	SVE EFF				
Operator ID:	HMT	ALS Bottle#:	7	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
13.40	75.00	6613	0.071992
13.39	39.00	109239	
13.39	77.00	9413	

Reviewer: khachitpongpanits, 12-Jun-2020 12:26:56

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.: 140-19327-1

SDG No.:

Client Sample ID: SVE EFF DL Lab Sample ID: 140-19327-2 DL

Matrix: Air Lab File ID: HF15P108.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 11:44

Sample wt/vol: 25(mL) Date Analyzed: 06/15/2020 20:52

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40282 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
67-63-0	2-Propanol	60.10	960	D	21	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: SVE EFF DL Lab Sample ID: 140-19327-2 DL

Matrix: Air Lab File ID: HF15P108.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 11:44

Sample wt/vol: 25(mL) Date Analyzed: 06/15/2020 20:52

Soil Aliquot Vol: Dilution Factor: 1.34

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40282 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
67-63-0	2-Propanol	60.10	2400	D	53	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HF15P108.D
Lims ID: 140-19327-A-2
Client ID: SVE EFF
Sample Type: Client
Inject. Date: 15-Jun-2020 20:52:30 ALS Bottle#: 8 Worklist Smp#: 15
Purge Vol: 500.000 mL Dil. Factor: 1.3400
Sample Info: 140-0015724-015
Misc. Info.: 140-19327-a-2@1.34
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 16-Jun-2020 12:44:00 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: khachitpongpanits Date: 16-Jun-2020 12:44:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.572	8.572	0.000	93	110454	4.00	
* 2 1,4-Difluorobenzene	114	10.779	10.779	0.000	97	796166	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.565	15.565	0.000	92	658688	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.213	17.234	-0.021	86	449850	4.07	
8 Dichlorodifluoromethane	85	3.605	3.602	0.005	98	4683	0.0261	
17 Ethanol	31	4.561	4.559	0.005	94	195776	9.94	
20 Trichlorofluoromethane	101	5.011	5.014	0.000	72	2417	0.0150	
23 Acetone	58	5.145	5.133	0.015	100	50494	2.03	
25 Isopropyl alcohol	45	5.223	5.216	0.011	98	2317350	35.9	
31 Methylene Chloride	84	6.050	6.053	0.000	95	36591	0.1389	
33 Carbon disulfide	76	6.210	6.209	0.005	98	55367	0.3435	
39 2-Butanone (MEK)	72	7.828	7.817	0.016	96	6252	0.2658	
40 Hexane	56	7.833	7.832	0.005	72	8829	0.2222	
42 cis-1,2-Dichloroethene	96	8.251	8.246	0.010	98	5756	0.1038	
44 Chloroform	83	8.577	8.593	-0.010	36	1967	0.0151	
46 Tetrahydrofuran	42	9.001	8.980	0.026	94	6676	0.1232	
50 Cyclohexane	69	10.231	10.215	0.016	59	2139	0.0933	
51 Benzene	78	10.226	10.215	0.011	92	13915	0.0804	
55 Isooctane	57	10.996	10.991	0.005	95	59110	0.2246	
56 n-Heptane	71	11.378	11.378	0.000	84	4219	0.0867	
67 Toluene	91	13.580	13.580	0.000	93	115824	0.6145	
73 Tetrachloroethene	129	14.733	14.733	0.000	48	586	0.008305	
76 Ethylbenzene	91	15.906	15.906	0.000	98	26851	0.1129	
77 m-Xylene & p-Xylene	91	16.066	16.066	0.000	98	86539	0.4772	
80 Styrene	104	16.536	16.536	0.005	1	477	0.0353	a
81 o-Xylene	91	16.593	16.593	0.000	98	30898	0.1645	
85 N-Propylbenzene	120	17.751	17.777	-0.026	96	1659	0.0254	
87 4-Ethyltoluene	105	17.906	17.932	-0.026	95	10770	0.0430	
88 1,3,5-Trimethylbenzene	120	17.983	18.014	-0.032	75	6345	0.0863	
92 1,2,4-Trimethylbenzene	105	18.449	18.469	-0.020	98	29301	0.1317	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

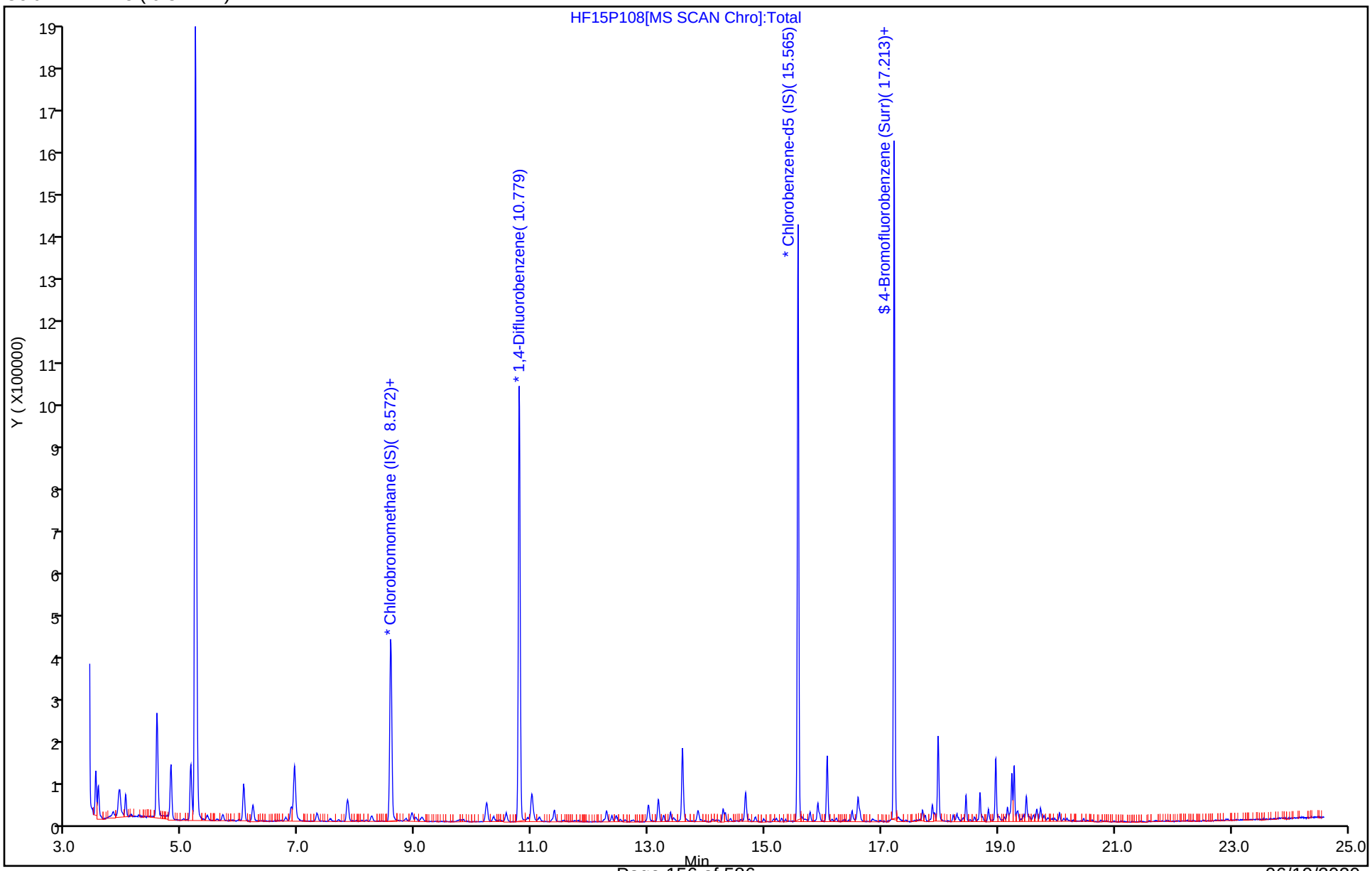
Report Date: 16-Jun-2020 12:44:00 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HF15P108.D

Injection Date:	15-Jun-2020 20:52:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2	Worklist Smp#:	15
Client ID:	SVE EFF				
Purge Vol:	500.000 mL	Dil. Factor:	1.3400	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\20200612-15724.b\HF15P108.D				
Lims ID:	140-19327-A-2				
Client ID:	SVE EFF				
Sample Type:	Client				
Inject. Date:	15-Jun-2020 20:52:30	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
Sample Info:	140-0015724-015				
Misc. Info.:	140-19327-a-2@1.34				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20200612-15724.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	16-Jun-2020 12:44:00	Calib Date:	16-Apr-2020 18:34:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1015				

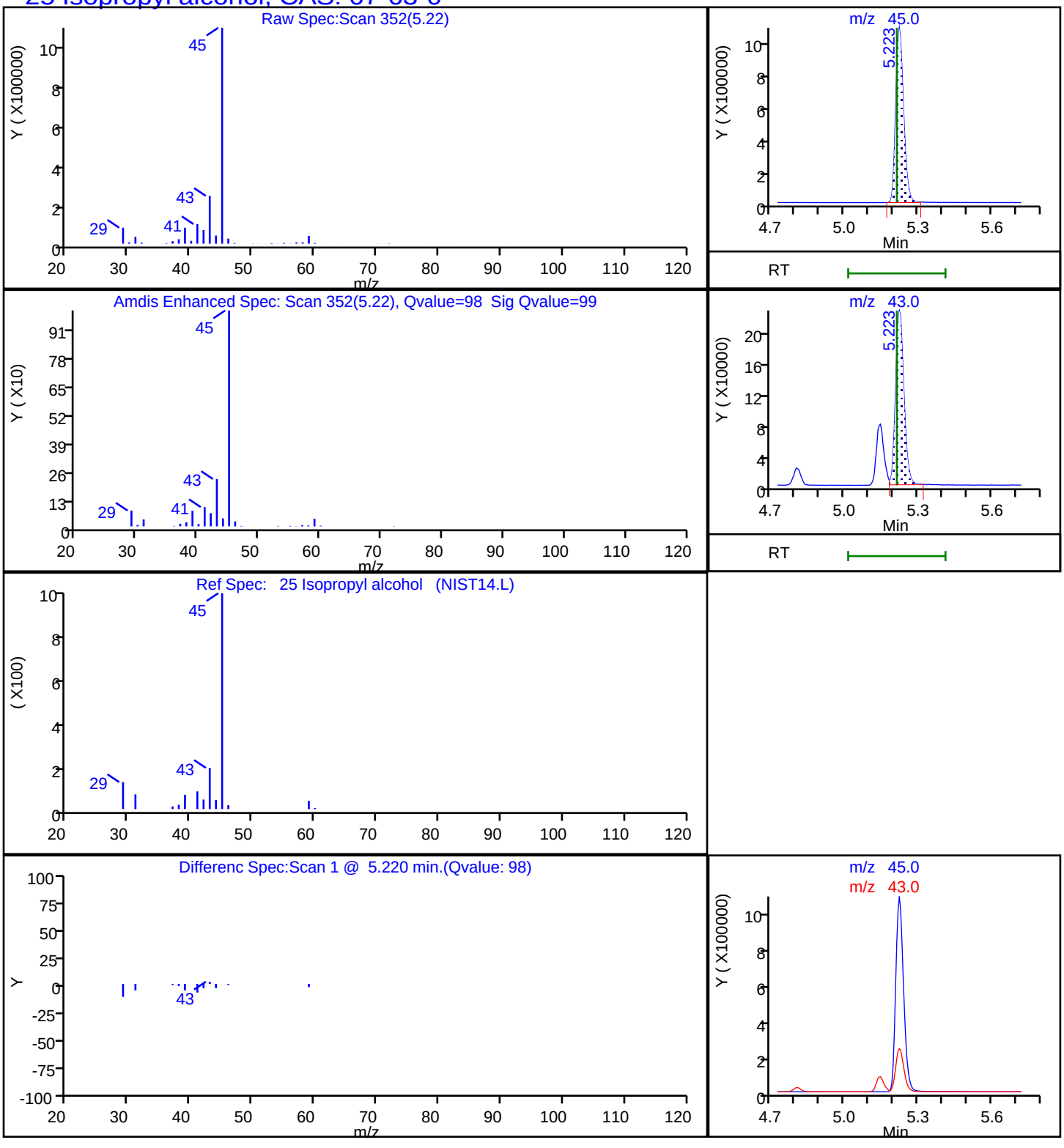
First Level Reviewer: khachitpongpanits Date: 16-Jun-2020 12:44:00

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	4.07	101.77

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HF15P108.D				
Injection Date:	15-Jun-2020 20:52:30	Instrument ID:	MH		
Lims ID:	140-19327-A-2	Lab Sample ID:	140-19327-2		
Client ID:	SVE EFF				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	15
Purge Vol:	500.000 mL	Dil. Factor:	1.3400		
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.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC INF Lab Sample ID: 140-19327-3

Matrix: Air Lab File ID: RF11P108.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:18

Sample wt/vol: 50(mL) Date Analyzed: 06/11/2020 23:03

Soil Aliquot Vol: Dilution Factor: 1.4

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40256 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.1	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.1	
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.1	
75-34-3	1,1-Dichloroethane	98.96	ND		1.1	
75-35-4	1,1-Dichloroethene	96.94	0.85		0.56	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		1.1	
95-63-6	1,2,4-Trimethylbenzene	120.20	7.5		1.1	
106-93-4	1,2-Dibromoethane	187.87	ND		1.1	
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.1	
107-06-2	1,2-Dichloroethane	98.96	ND		1.1	
78-87-5	1,2-Dichloropropane	112.99	ND		1.1	
108-67-8	1,3,5-Trimethylbenzene	120.20	2.4		1.1	
106-99-0	1,3-Butadiene	54.09	ND		2.2	
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.1	
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.1	
123-91-1	1,4-Dioxane	88.11	ND		2.8	
540-84-1	2,2,4-Trimethylpentane	114.23	11		2.8	
78-93-3	2-Butanone	72.11	8.4		4.5	
591-78-6	2-Hexanone	100.20	ND		2.8	
67-63-0	*2-Propanol*	*60.10*	*770*	*E*	*11*	
107-05-1	3-Chloropropene	76.53	ND		1.1	
622-96-8	4-Ethyltoluene	120.20	2.4		2.2	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		2.8	
67-64-1	Acetone	58.08	47		28	
100-44-7	alpha-Chlorotoluene	126.58	ND		2.2	
71-43-2	Benzene	78.11	4.0		1.1	
75-27-4	Bromodichloromethane	163.83	ND		1.1	
75-25-2	Bromoform	252.75	ND		1.1	
74-83-9	Bromomethane	94.94	ND		1.1	
75-15-0	Carbon disulfide	76.14	ND		2.8	
56-23-5	Carbon tetrachloride	153.81	ND		0.45	
108-90-7	Chlorobenzene	112.56	ND		1.1	
75-00-3	Chloroethane	64.52	ND		1.1	
67-66-3	Chloroform	119.38	1.2		1.1	
74-87-3	Chloromethane	50.49	ND		2.8	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC INF Lab Sample ID: 140-19327-3

Matrix: Air Lab File ID: RF11P108.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:18

Sample wt/vol: 50(mL) Date Analyzed: 06/11/2020 23:03

Soil Aliquot Vol: Dilution Factor: 1.4

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40256 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	25		0.56	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		1.1	
98-82-8	Cumene	120.19	ND		2.2	
110-82-7	Cyclohexane	84.16	5.3		2.8	
124-48-1	Dibromochloromethane	208.29	ND		1.1	
64-17-5	Ethanol	46.07	210		28	
100-41-4	Ethylbenzene	106.17	5.7		1.1	
75-69-4	Freon 11	137.37	ND		1.1	
76-13-1	Freon 113	187.38	ND		1.1	
75-71-8	Freon 12	120.91	ND	*	1.1	
76-14-2	Freon-114	170.92	ND	*	1.1	
142-82-5	Heptane	100.21	7.5		2.8	
87-68-3	Hexachlorobutadiene	260.76	ND		1.1	
110-54-3	Hexane	86.17	12		2.8	
1634-04-4	Methyl tert-butyl ether	88.15	ND		2.2	
75-09-2	Methylene Chloride	84.93	ND		5.6	
179601-23-1	m-Xylene & p-Xylene	106.17	19		1.1	
95-47-6	o-Xylene	106.17	7.5		1.1	
103-65-1	Propylbenzene	120.19	ND		2.2	
100-42-5	Styrene	104.15	ND		1.1	
127-18-4	Tetrachloroethene	165.83	ND		1.1	
109-99-9	Tetrahydrofuran	72.11	ND		5.6	
108-88-3	Toluene	92.14	29		1.7	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		1.1	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		1.1	
79-01-6	Trichloroethene	131.39	ND		0.50	
75-01-4	Vinyl chloride	62.50	0.76		0.56	

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.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC INF Lab Sample ID: 140-19327-3

Matrix: Air Lab File ID: RF11P108.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:18

Sample wt/vol: 50(mL) Date Analyzed: 06/11/2020 23:03

Soil Aliquot Vol: Dilution Factor: 1.4

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40256 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		6.1	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		7.7	
79-00-5	1,1,2-Trichloroethane	133.41	ND		6.1	
75-34-3	1,1-Dichloroethane	98.96	ND		4.5	
75-35-4	1,1-Dichloroethene	96.94	3.4		2.2	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		8.3	
95-63-6	1,2,4-Trimethylbenzene	120.20	37		5.5	
106-93-4	1,2-Dibromoethane	187.87	ND		8.6	
95-50-1	1,2-Dichlorobenzene	147.00	ND		6.7	
107-06-2	1,2-Dichloroethane	98.96	ND		4.5	
78-87-5	1,2-Dichloropropane	112.99	ND		5.2	
108-67-8	1,3,5-Trimethylbenzene	120.20	12		5.5	
106-99-0	1,3-Butadiene	54.09	ND		5.0	
541-73-1	1,3-Dichlorobenzene	147.00	ND		6.7	
106-46-7	1,4-Dichlorobenzene	147.00	ND		6.7	
123-91-1	1,4-Dioxane	88.11	ND		10	
540-84-1	2,2,4-Trimethylpentane	114.23	52		13	
78-93-3	2-Butanone	72.11	25		13	
591-78-6	2-Hexanone	100.20	ND		11	
67-63-0	*2-Propanol*	*60.10*	*1900*	*E*	*28*	
107-05-1	3-Chloropropene	76.53	ND		3.5	
622-96-8	4-Ethyltoluene	120.20	12		11	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		11	
67-64-1	Acetone	58.08	110		67	
100-44-7	alpha-Chlorotoluene	126.58	ND		12	
71-43-2	Benzene	78.11	13		3.6	
75-27-4	Bromodichloromethane	163.83	ND		7.5	
75-25-2	Bromoform	252.75	ND		12	
74-83-9	Bromomethane	94.94	ND		4.3	
75-15-0	Carbon disulfide	76.14	ND		8.7	
56-23-5	Carbon tetrachloride	153.81	ND		2.8	
108-90-7	Chlorobenzene	112.56	ND		5.2	
75-00-3	Chloroethane	64.52	ND		3.0	
67-66-3	Chloroform	119.38	6.0		5.5	
74-87-3	Chloromethane	50.49	ND		5.8	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC INF Lab Sample ID: 140-19327-3

Matrix: Air Lab File ID: RF11P108.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:18

Sample wt/vol: 50(mL) Date Analyzed: 06/11/2020 23:03

Soil Aliquot Vol: Dilution Factor: 1.4

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40256 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	98		2.2	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		5.1	
98-82-8	Cumene	120.19	ND		11	
110-82-7	Cyclohexane	84.16	18		9.6	
124-48-1	Dibromochloromethane	208.29	ND		9.5	
64-17-5	Ethanol	46.07	400		53	
100-41-4	Ethylbenzene	106.17	25		4.9	
75-69-4	Freon 11	137.37	ND		6.3	
76-13-1	Freon 113	187.38	ND		8.6	
75-71-8	Freon 12	120.91	ND	*	5.5	
76-14-2	Freon-114	170.92	ND	*	7.8	
142-82-5	Heptane	100.21	31		11	
87-68-3	Hexachlorobutadiene	260.76	ND		12	
110-54-3	Hexane	86.17	41		9.9	
1634-04-4	Methyl tert-butyl ether	88.15	ND		8.1	
75-09-2	Methylene Chloride	84.93	ND		19	
179601-23-1	m-Xylene & p-Xylene	106.17	81		4.9	
95-47-6	o-Xylene	106.17	32		4.9	
103-65-1	Propylbenzene	120.19	ND		11	
100-42-5	Styrene	104.15	ND		4.8	
127-18-4	Tetrachloroethene	165.83	ND		7.6	
109-99-9	Tetrahydrofuran	72.11	ND		17	
108-88-3	Toluene	92.14	110		6.3	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		4.4	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		5.1	
79-01-6	Trichloroethene	131.39	ND		2.7	
75-01-4	Vinyl chloride	62.50	1.9		1.4	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D
Lims ID: 140-19327-A-3
Client ID: OFFSITE DDC INF
Sample Type: Client
Inject. Date: 11-Jun-2020 23:03:30 ALS Bottle#: 8 Worklist Smp#: 21
Purge Vol: 500.000 mL Dil. Factor: 1.4000
Sample Info: 140-0015714-021
Misc. Info.: 140-19327-a-3@1.40
Operator ID: HMT Instrument ID: MR

Method: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Jun-2020 12:31:49 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1031

First Level Reviewer: khachitpongpanits Date: 12-Jun-2020 12:31:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.312	8.318	-0.006	78	178280	4.00	
* 2 1,4-Difluorobenzene	114	10.555	10.561	-0.006	93	1210240	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.392	15.398	-0.006	84	981298	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.042	17.048	-0.006	94	502748	3.80	
8 Dichlorodifluoromethane	85	3.383	3.385	0.005	53	3357	0.0348	
12 Vinyl chloride	62	3.707	3.714	0.000	46	4201	0.0539	
17 Ethanol	31	4.327	4.330	0.005	95	745188	15.3	
20 Trichlorofluoromethane	101	4.742	4.757	-0.006	64	7629	0.0334	
23 Acetone	58	4.882	4.887	0.005	98	107106	3.36	
25 Isopropyl alcohol	45	4.974	4.979	0.005	99	4736124	55.2	E
27 1,1-Dichloroethene	96	5.443	5.442	0.005	47	4407	0.0609	
33 Carbon disulfide	76	5.923	5.946	-0.011	54	7377	0.0401	
34 trans-1,2-Dichloroethene	96	6.576	6.594	-0.005	31	2084	0.0303	
37 1,1-Dichloroethane	63	6.985	7.010	-0.011	32	5094	0.0468	
39 2-Butanone (MEK)	72	7.562	7.572	0.005	87	18780	0.6019	
40 Hexane	56	7.584	7.593	0.005	84	32654	0.8269	
42 cis-1,2-Dichloroethene	96	7.983	8.004	-0.006	85	119907	1.76	
44 Chloroform	83	8.323	8.350	-0.011	87	12210	0.0879	
46 Tetrahydrofuran	42	8.754	8.754	0.027	84	22056	0.3442	a
50 Cyclohexane	69	9.978	9.983	0.005	71	10612	0.3754	
51 Benzene	78	9.978	9.989	0.000	93	55374	0.2857	
55 Isooctane	57	10.782	10.787	0.006	94	190593	0.8024	
56 n-Heptane	71	11.181	11.187	0.006	91	33095	0.5391	
67 Toluene	91	13.397	13.403	-0.006	97	454248	2.07	
73 Tetrachloroethene	129	14.556	14.562	-0.006	38	2044	0.0226	
76 Ethylbenzene	91	15.732	15.737	-0.005	97	119419	0.4101	
77 m-Xylene & p-Xylene	91	15.894	15.905	-0.011	97	309756	1.34	
81 o-Xylene	91	16.422	16.428	-0.006	99	127523	0.5337	
84 Isopropylbenzene	105	17.015	17.021	-0.006	86	16873	0.0459	
85 N-Propylbenzene	120	17.560	17.565	-0.005	99	11597	0.1147	
87 4-Ethyltoluene	105	17.727	17.727	0.000	97	63624	0.1730	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
88 1,3,5-Trimethylbenzene	120	17.797	17.803	-0.006	93	26405	0.1703	
92 1,2,4-Trimethylbenzene	105	18.250	18.250	0.000	97	164904	0.5346	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

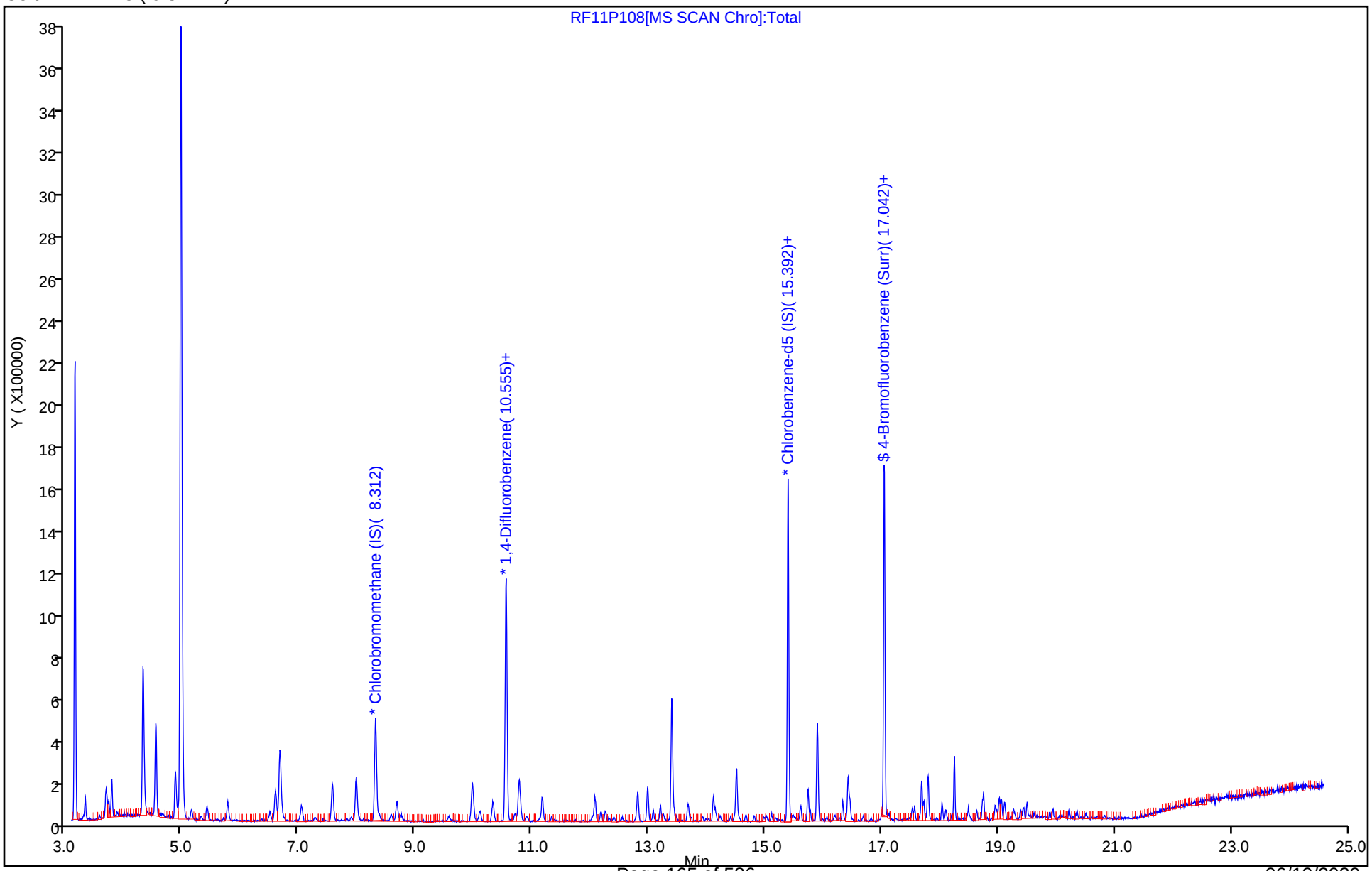
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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D

Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3	Worklist Smp#:	21
Client ID:	OFFSITE DDC INF				
Purge Vol:	500.000 mL	Dil. Factor:	1.4000	ALS Bottle#:	8
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D				
Lims ID:	140-19327-A-3				
Client ID:	OFFSITE DDC INF				
Sample Type:	Client				
Inject. Date:	11-Jun-2020 23:03:30	ALS Bottle#:	8	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000		
Sample Info:	140-0015714-021				
Misc. Info.:	140-19327-a-3@1.40				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Jun-2020 12:31:49	Calib Date:	14-May-2020 00:39:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1031				

First Level Reviewer: khachitpongpanits Date: 12-Jun-2020 12:31:49

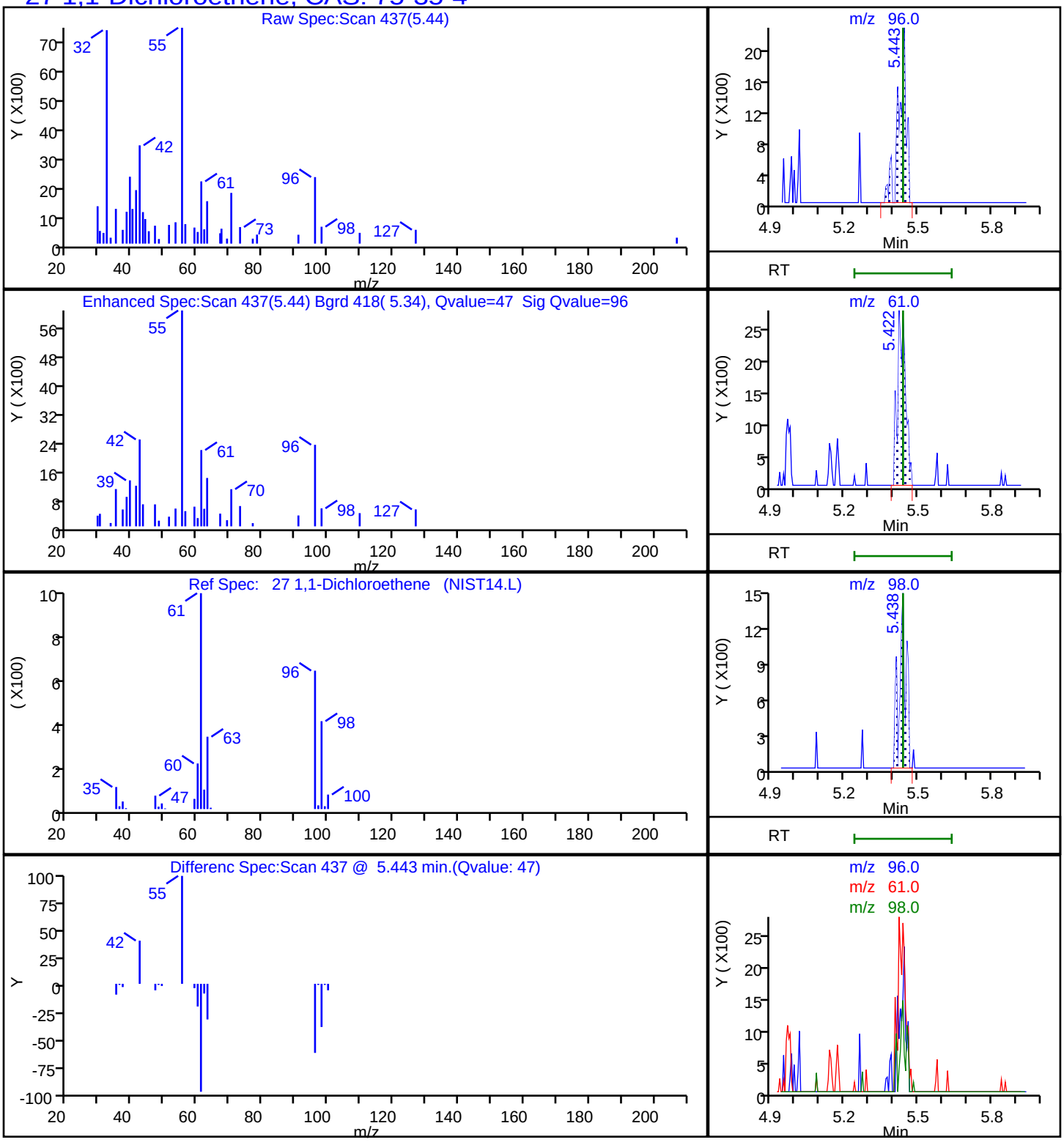
Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.80	94.97

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D

Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR		
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3		
Client ID:	OFFSITE DDC INF				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

27 1,1-Dichloroethene, CAS: 75-35-4

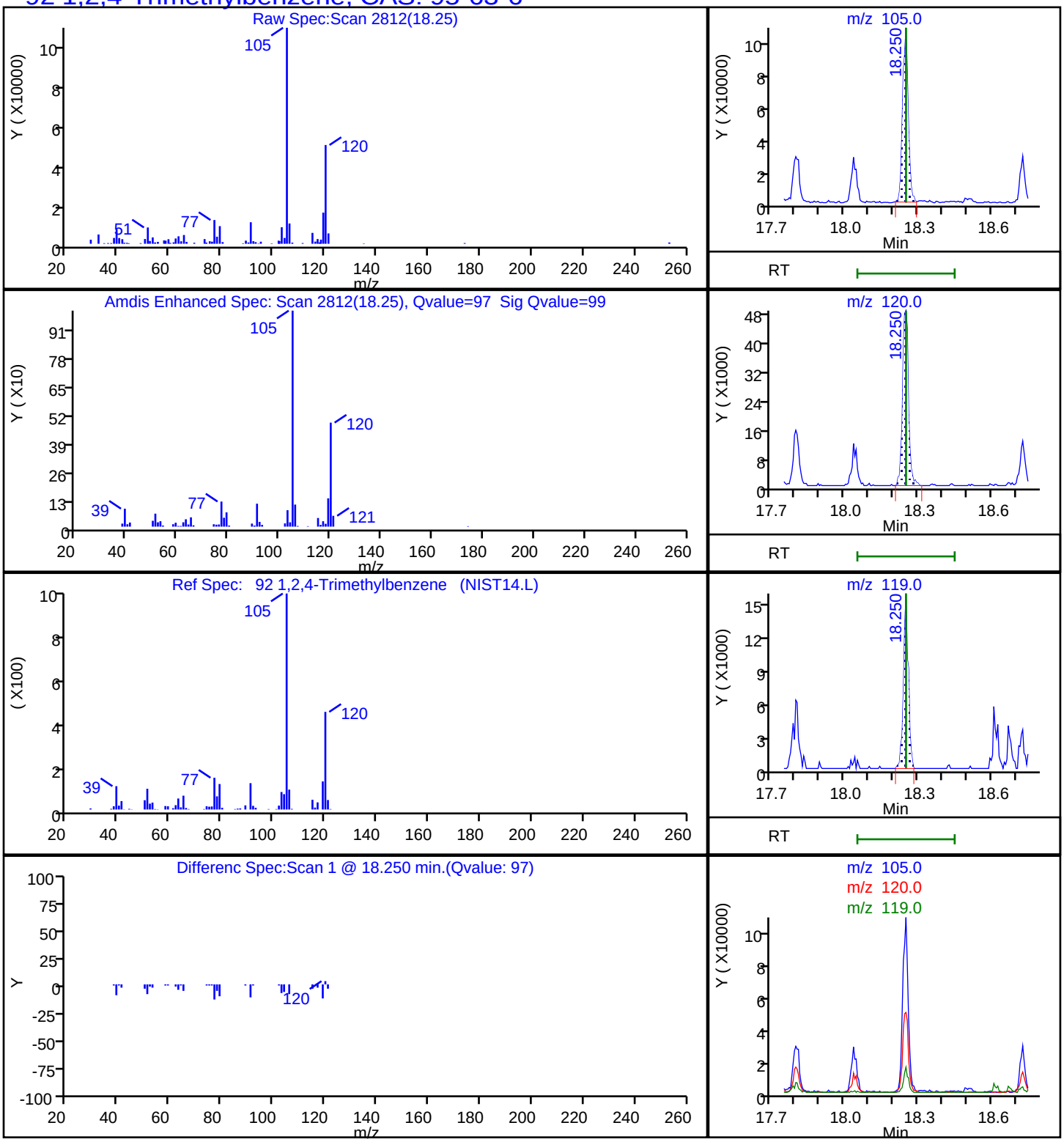


Report Date: 12-Jun-2020 12:31:50 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D				
Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR		
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3		
Client ID:	OFFSITE DDC INF				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

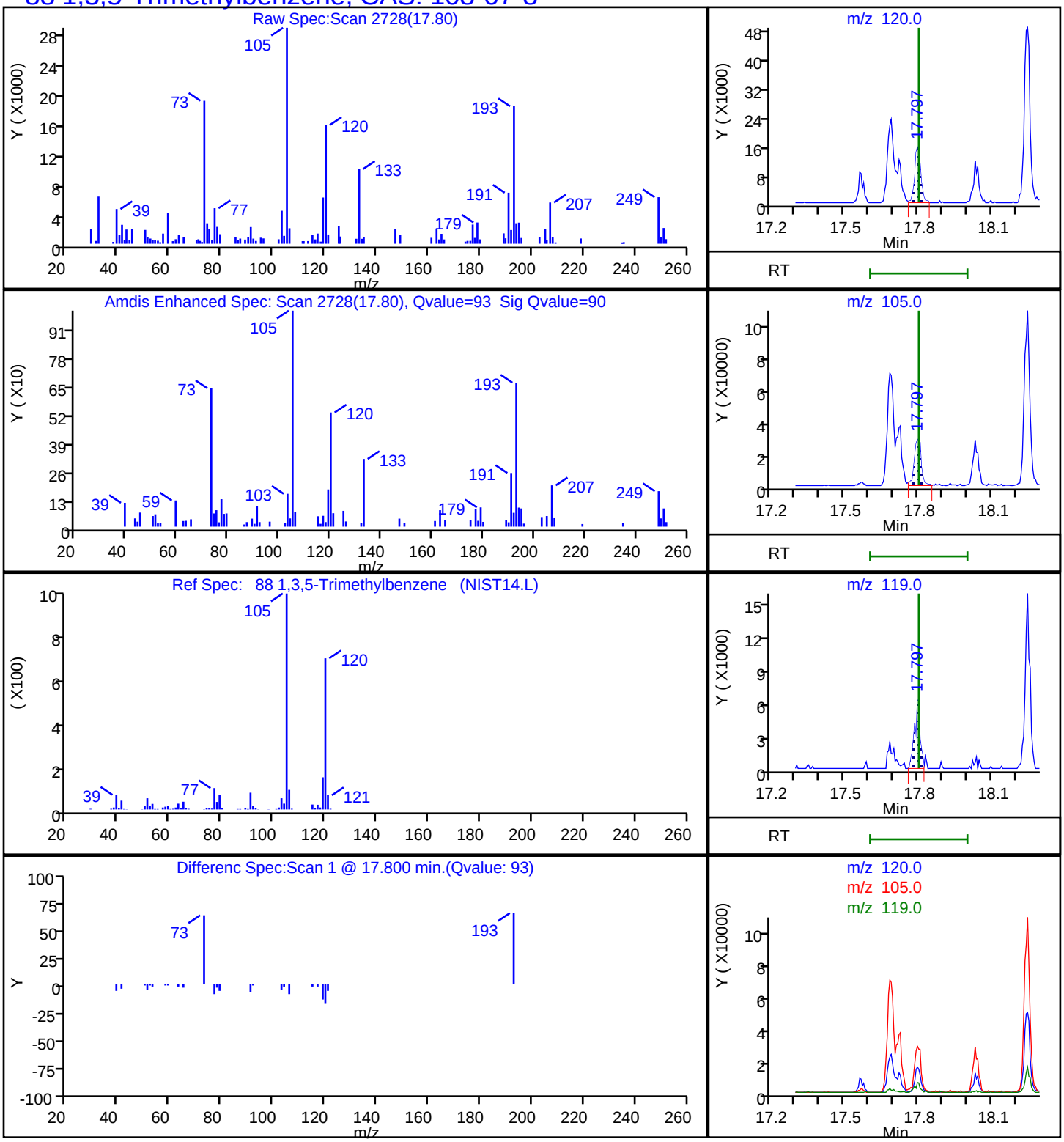
92 1,2,4-Trimethylbenzene, CAS: 95-63-6



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D		
Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3
Client ID:	OFFSITE DDC INF		
Operator ID:	HMT	ALS Bottle#:	8 Worklist Smp#: 21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000
Method:	MR_TO15	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



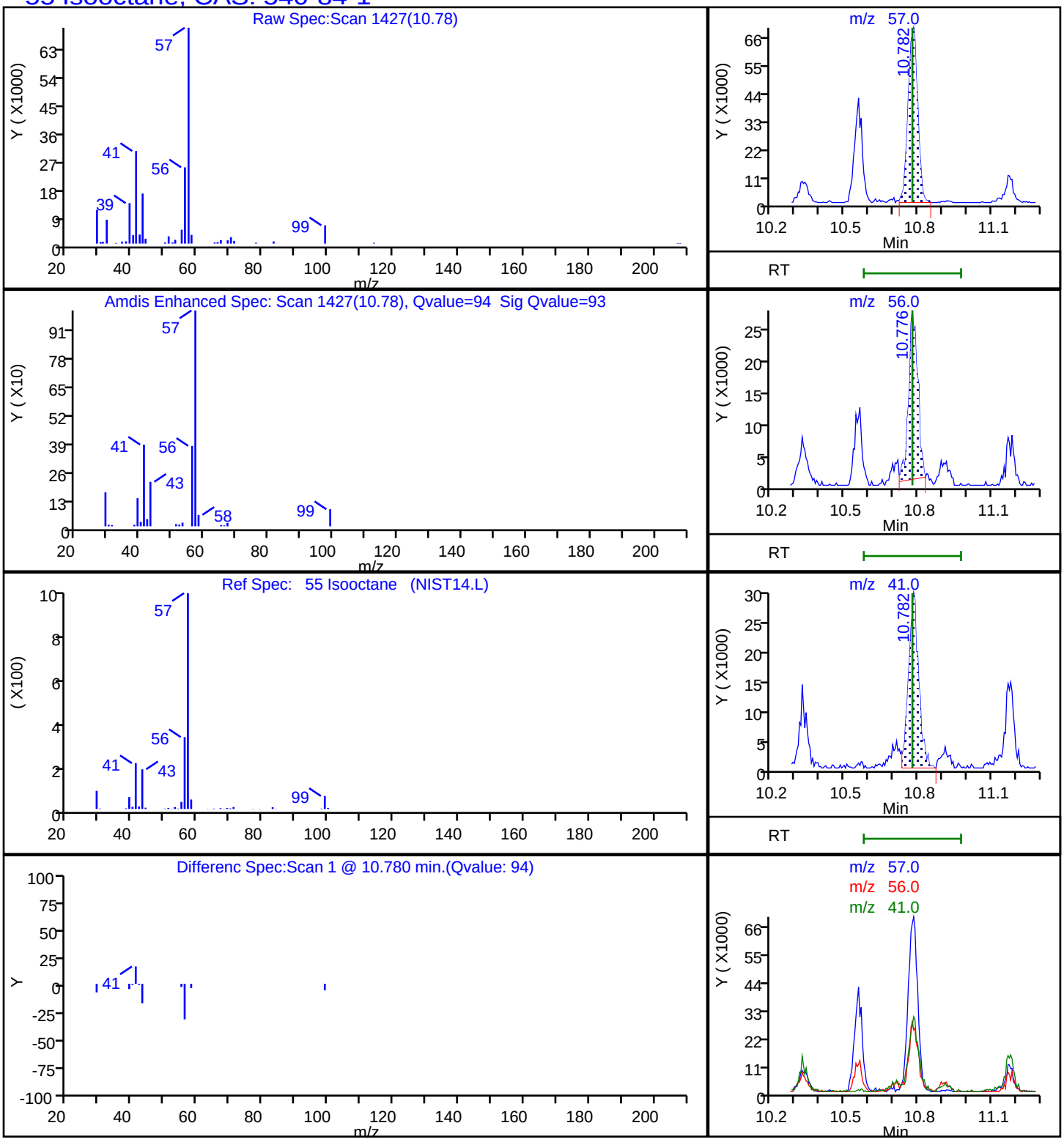
Report Date: 12-Jun-2020 12:31:50 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D

Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR		
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3		
Client ID:	OFFSITE DDC INF				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

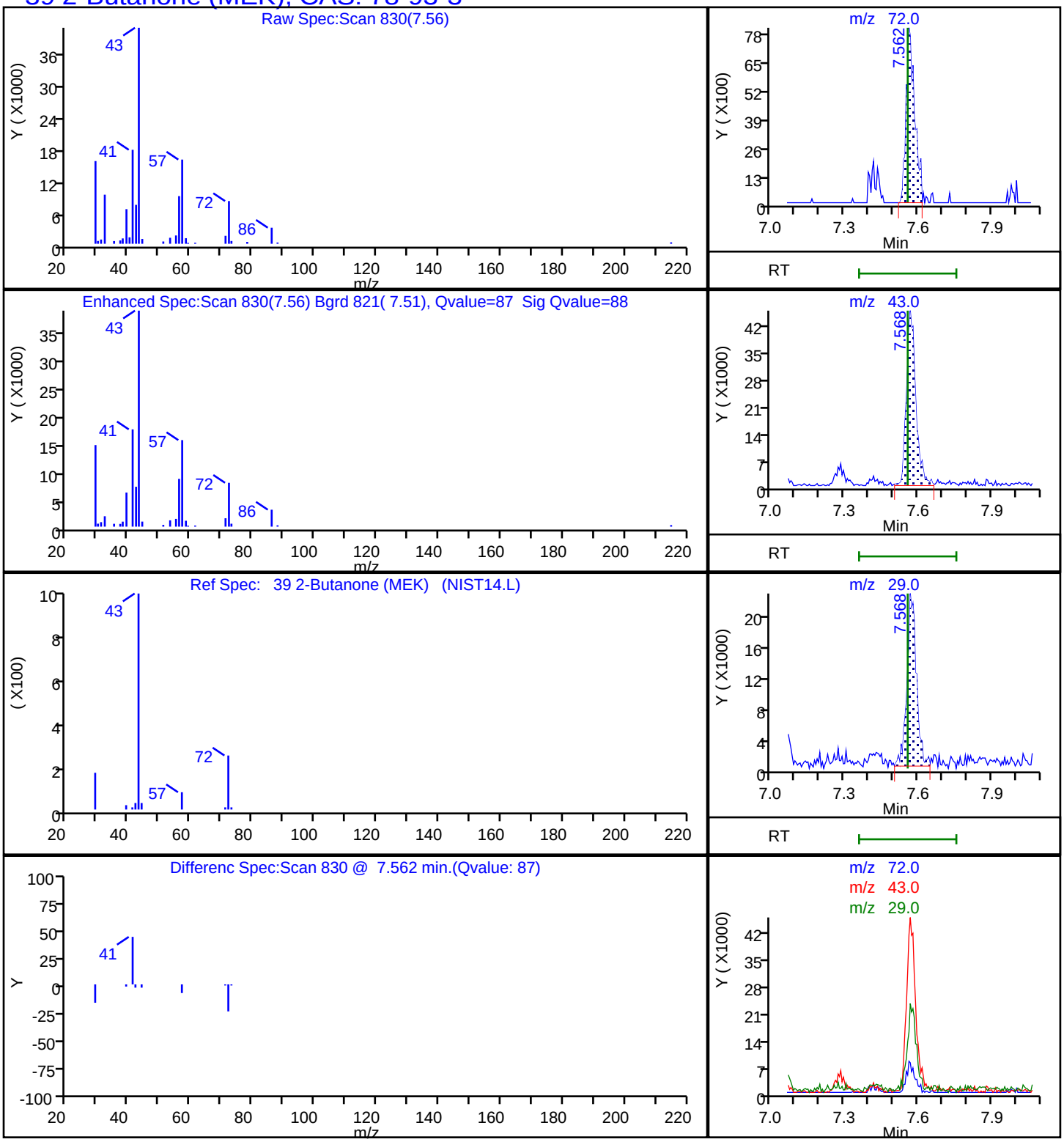
55 Isooctane, CAS: 540-84-1



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D
Injection Date: 11-Jun-2020 23:03:30 Instrument ID: MR
Lims ID: 140-19327-A-3 Lab Sample ID: 140-19327-3
Client ID: OFFSITE DDC INF
Operator ID: HMT ALS Bottle#: 8 Worklist Smp#: 21
Purge Vol: 500.000 mL Dil. Factor: 1.4000
Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Column: RTX-5 (0.32 mm) Detector MS SCAN

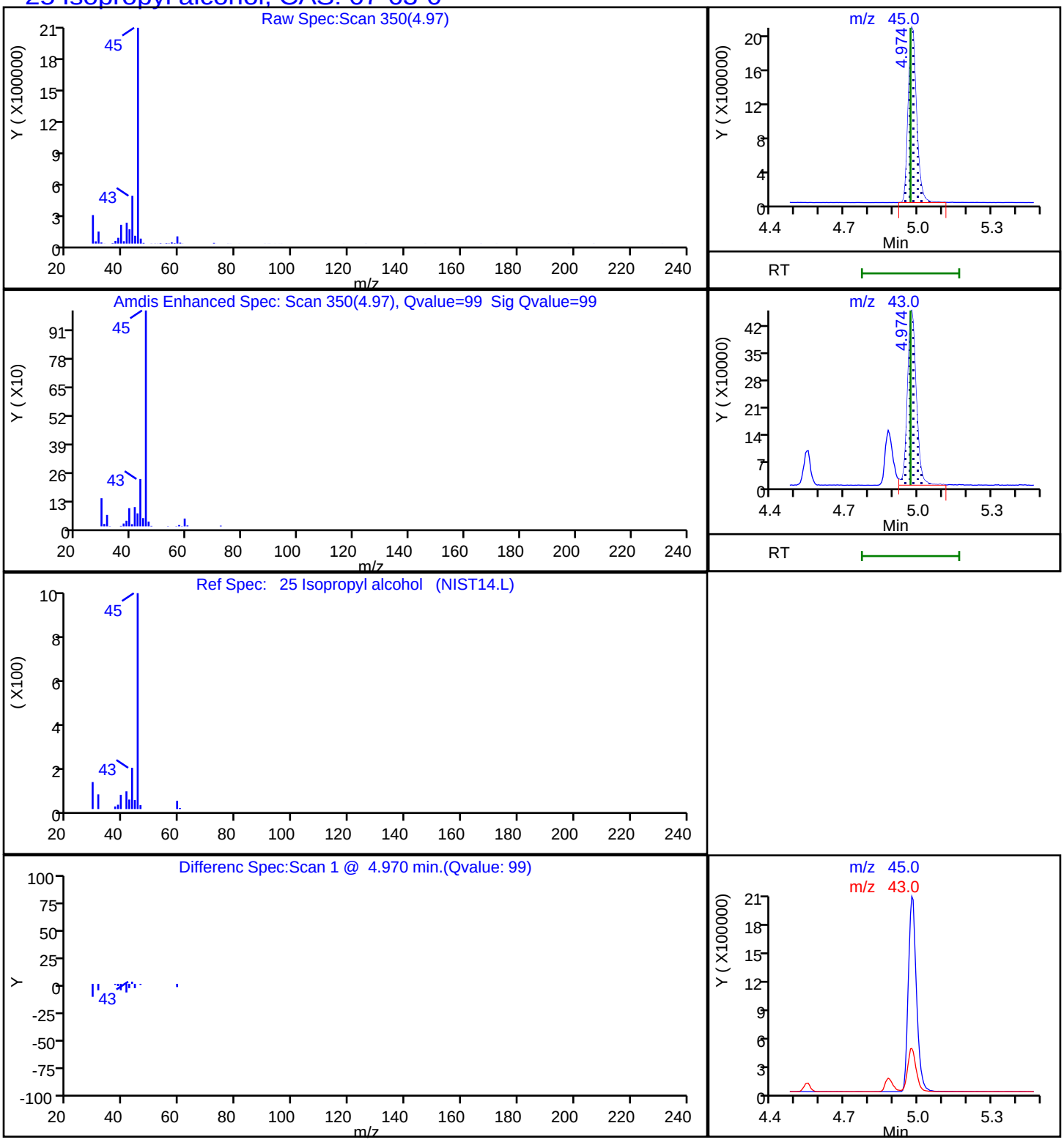
39 2-Butanone (MEK), CAS: 78-93-3



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D
Injection Date: 11-Jun-2020 23:03:30 Instrument ID: MR
Lims ID: 140-19327-A-3 Lab Sample ID: 140-19327-3
Client ID: OFFSITE DDC INF
Operator ID: HMT ALS Bottle#: 8 Worklist Smp#: 21
Purge Vol: 500.000 mL Dil. Factor: 1.4000
Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Column: RTX-5 (0.32 mm) Detector MS SCAN

25 Isopropyl alcohol, CAS: 67-63-0

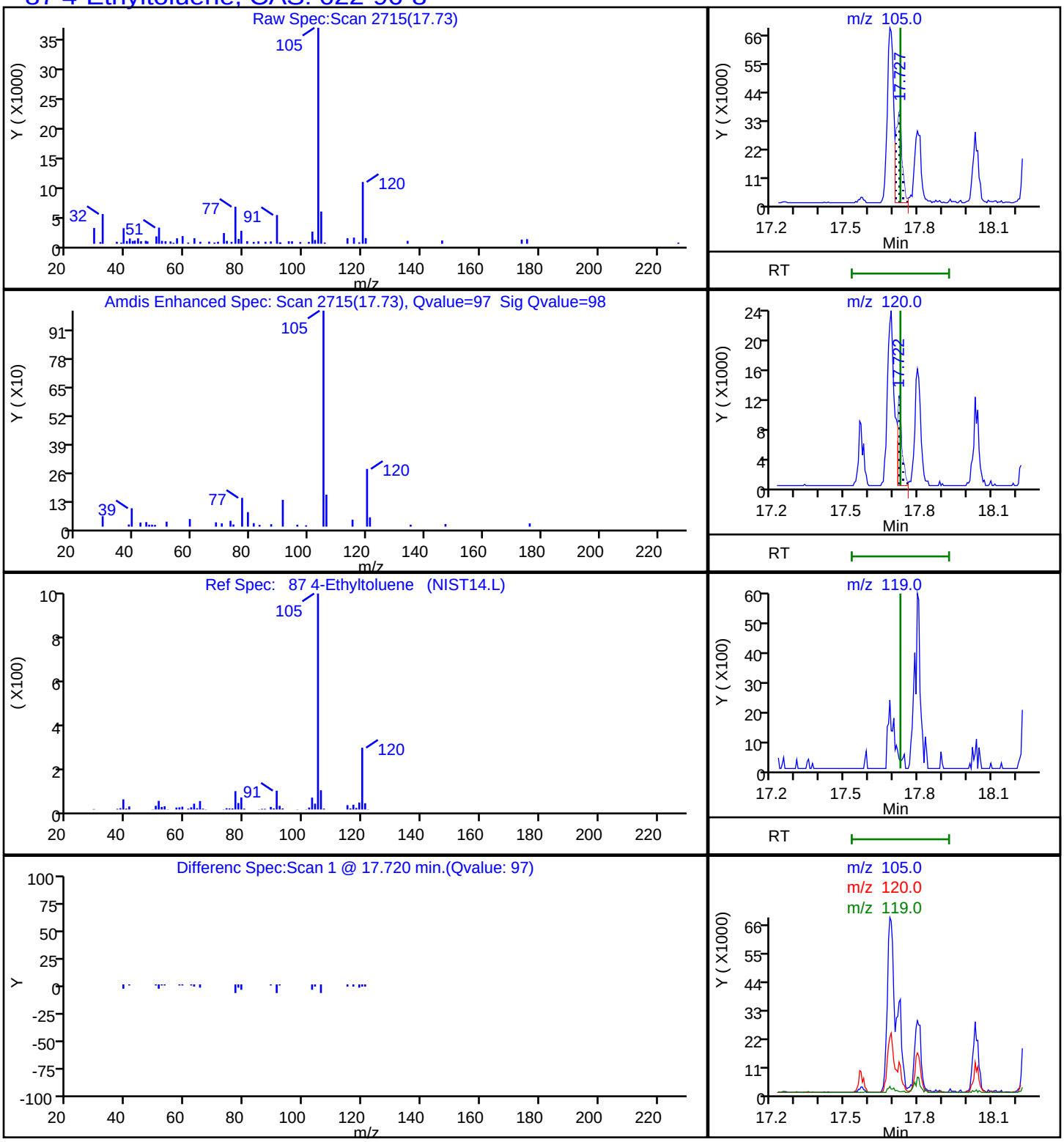


Report Date: 12-Jun-2020 12:31:50 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D		
Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3
Client ID:	OFFSITE DDC INF		
Operator ID:	HMT	ALS Bottle#:	8 Worklist Smp#: 21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

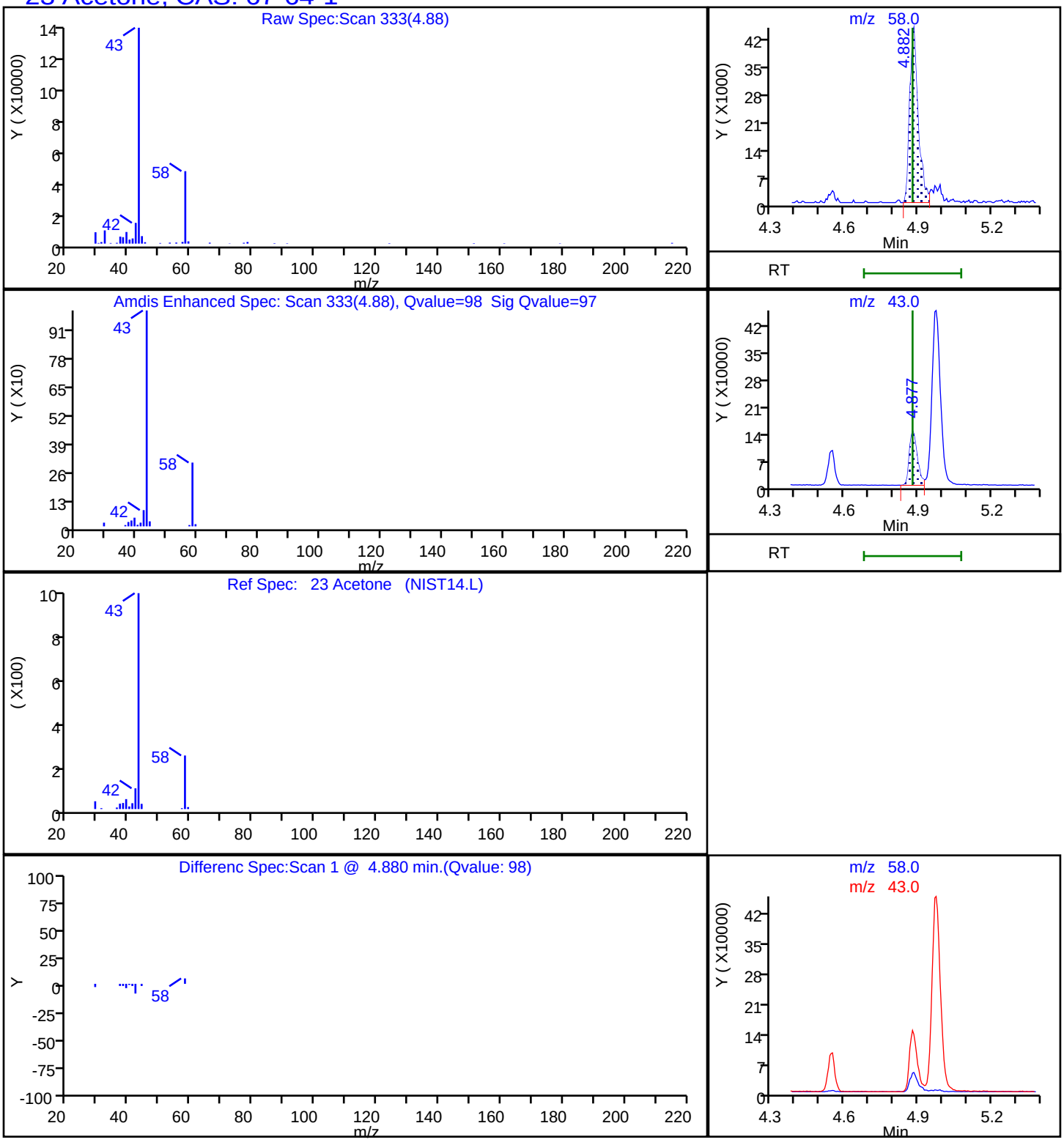
87 4-Ethyltoluene, CAS: 622-96-8



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D				
Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR		
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3		
Client ID:	OFFSITE DDC INF				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

23 Acetone, CAS: 67-64-1

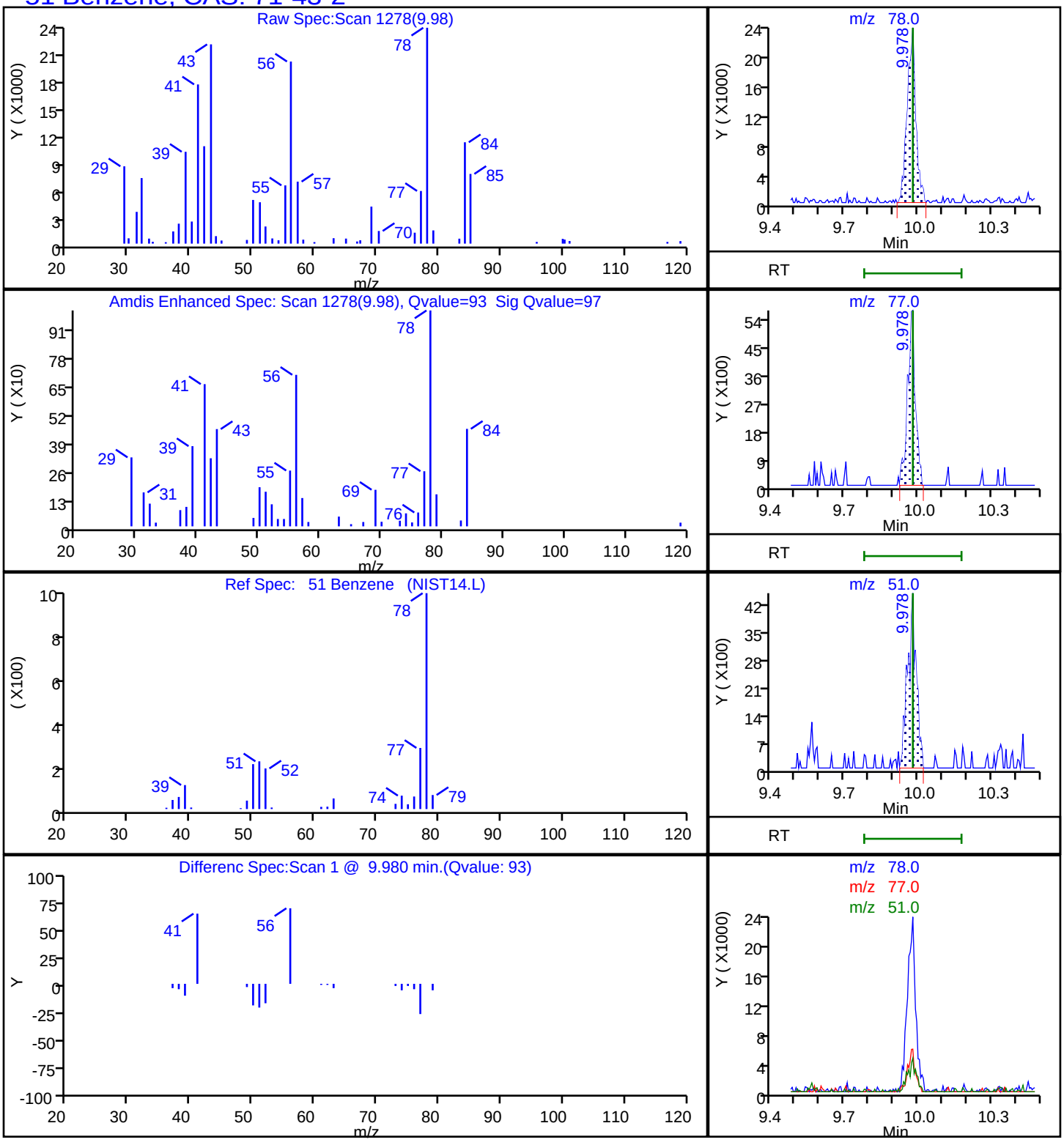


Report Date: 12-Jun-2020 12:31:50 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D		
Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3
Client ID:	OFFSITE DDC INF		
Operator ID:	HMT	ALS Bottle#:	8 Worklist Smp#: 21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

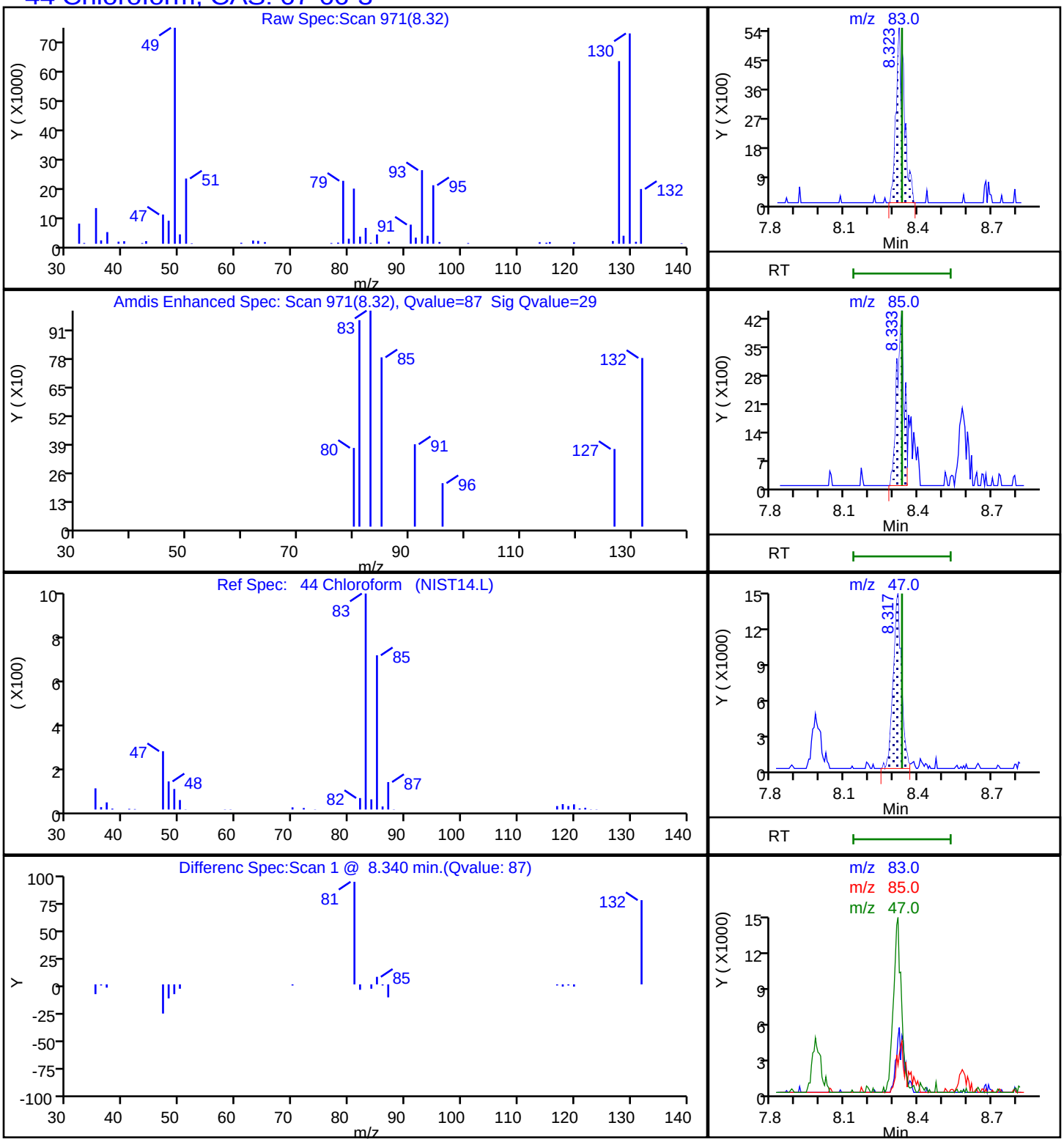
51 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D
Injection Date: 11-Jun-2020 23:03:30 Instrument ID: MR
Lims ID: 140-19327-A-3 Lab Sample ID: 140-19327-3
Client ID: OFFSITE DDC INF
Operator ID: HMT ALS Bottle#: 8 Worklist Smp#: 21
Purge Vol: 500.000 mL Dil. Factor: 1.4000
Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Column: RTX-5 (0.32 mm) Detector MS SCAN

44 Chloroform, CAS: 67-66-3



Report Date: 12-Jun-2020 12:31:50 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D

Injection Date: 11-Jun-2020 23:03:30 Instrument ID: MR

Lims ID: 140-19327-A-3 Lab Sample ID: 140-19327-3

Client ID: OFFSITE DDC INF

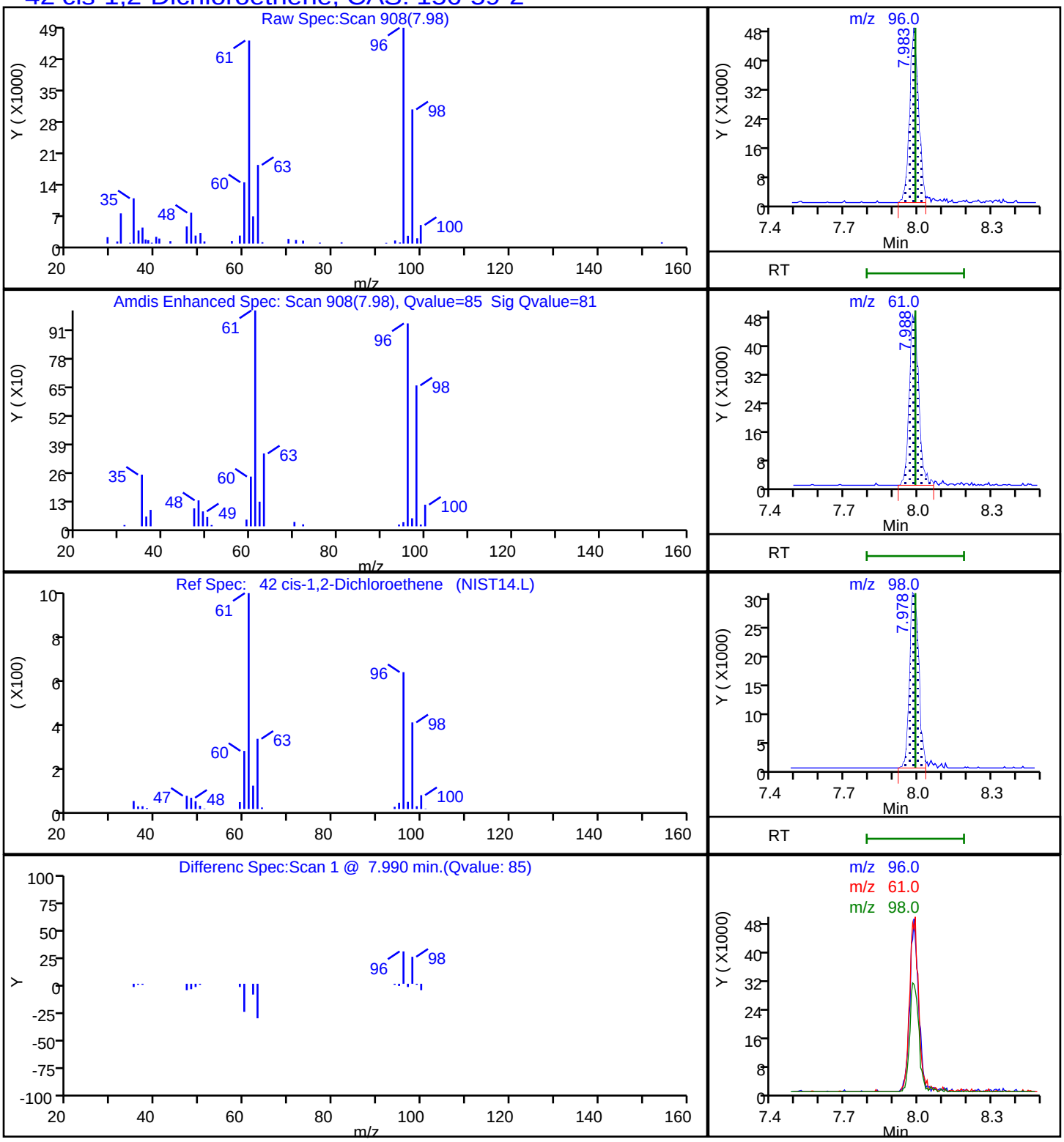
Operator ID: HMT ALS Bottle#: 8 Worklist Smp#: 21

Purge Vol: 500.000 mL Dil. Factor: 1.4000

Method: MR_TO15 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



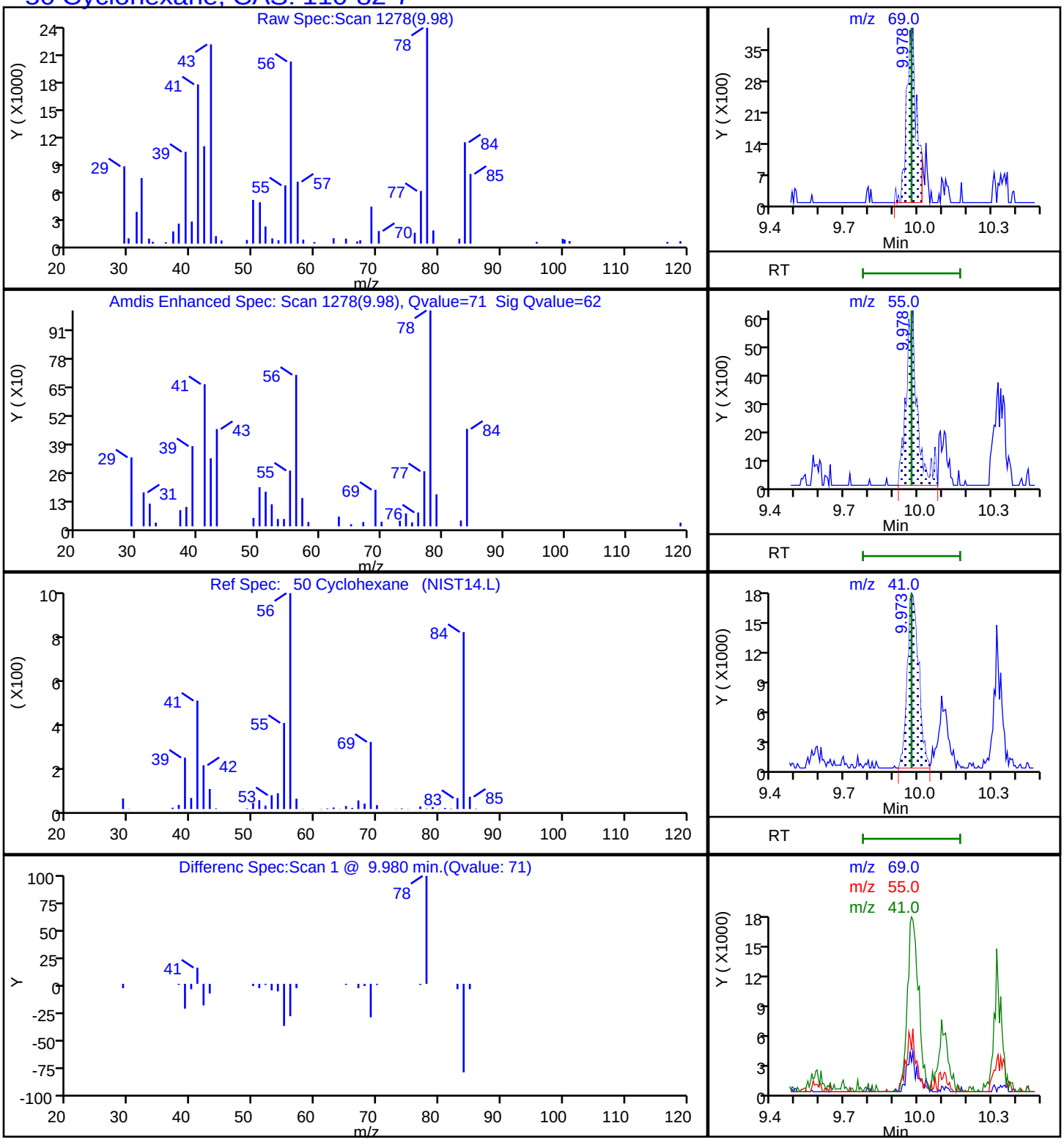
Report Date: 12-Jun-2020 12:31:50 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D

Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR		
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3		
Client ID:	OFFSITE DDC INF				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

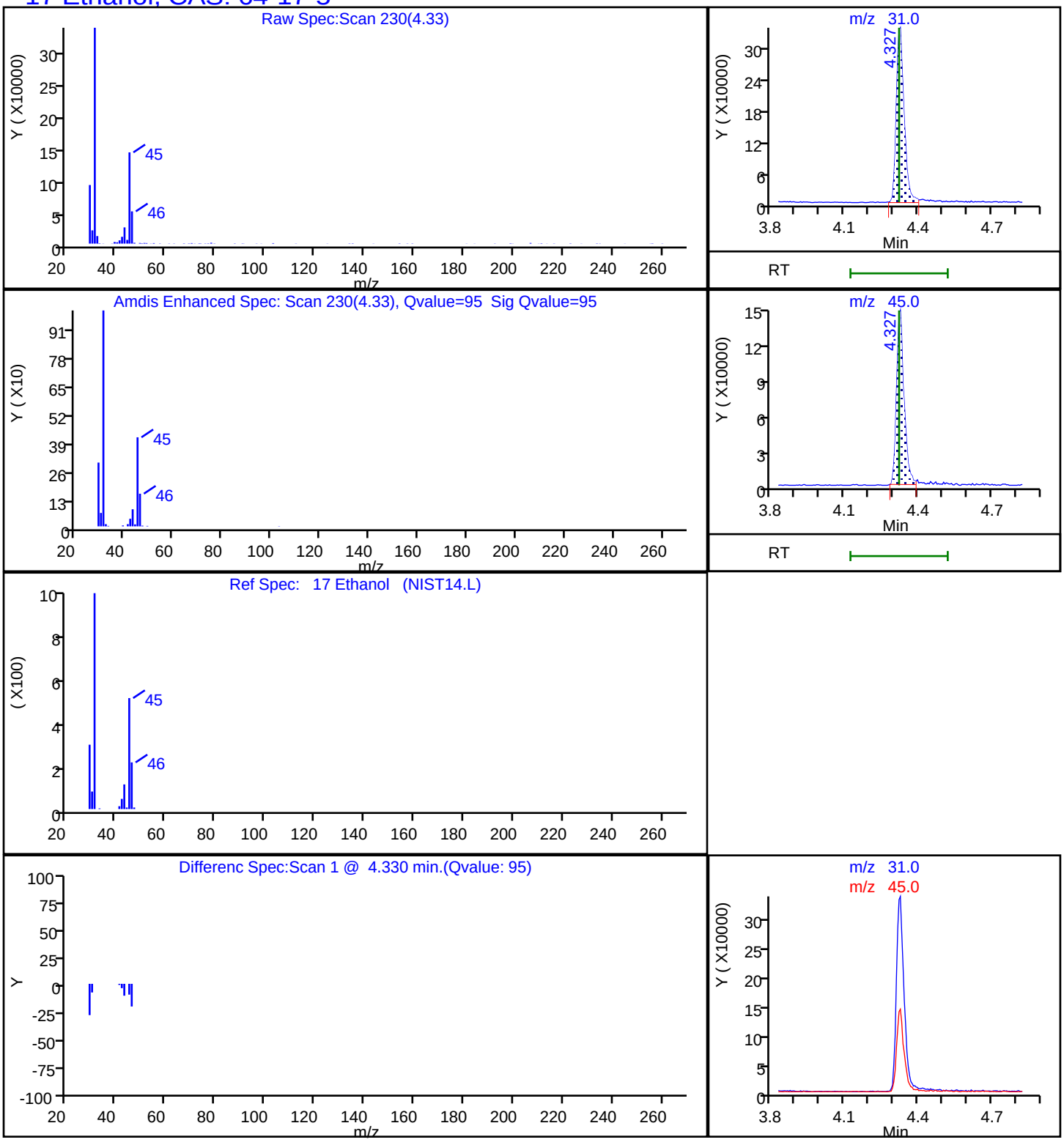
50 Cyclohexane, CAS: 110-82-7



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D				
Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR		
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3		
Client ID:	OFFSITE DDC INF				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

17 Ethanol, CAS: 64-17-5



Report Date: 12-Jun-2020 12:31:50 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D

Injection Date: 11-Jun-2020 23:03:30 Instrument ID: MR

Lims ID: 140-19327-A-3 Lab Sample ID: 140-19327-3

Client ID: OFFSITE DDC INF

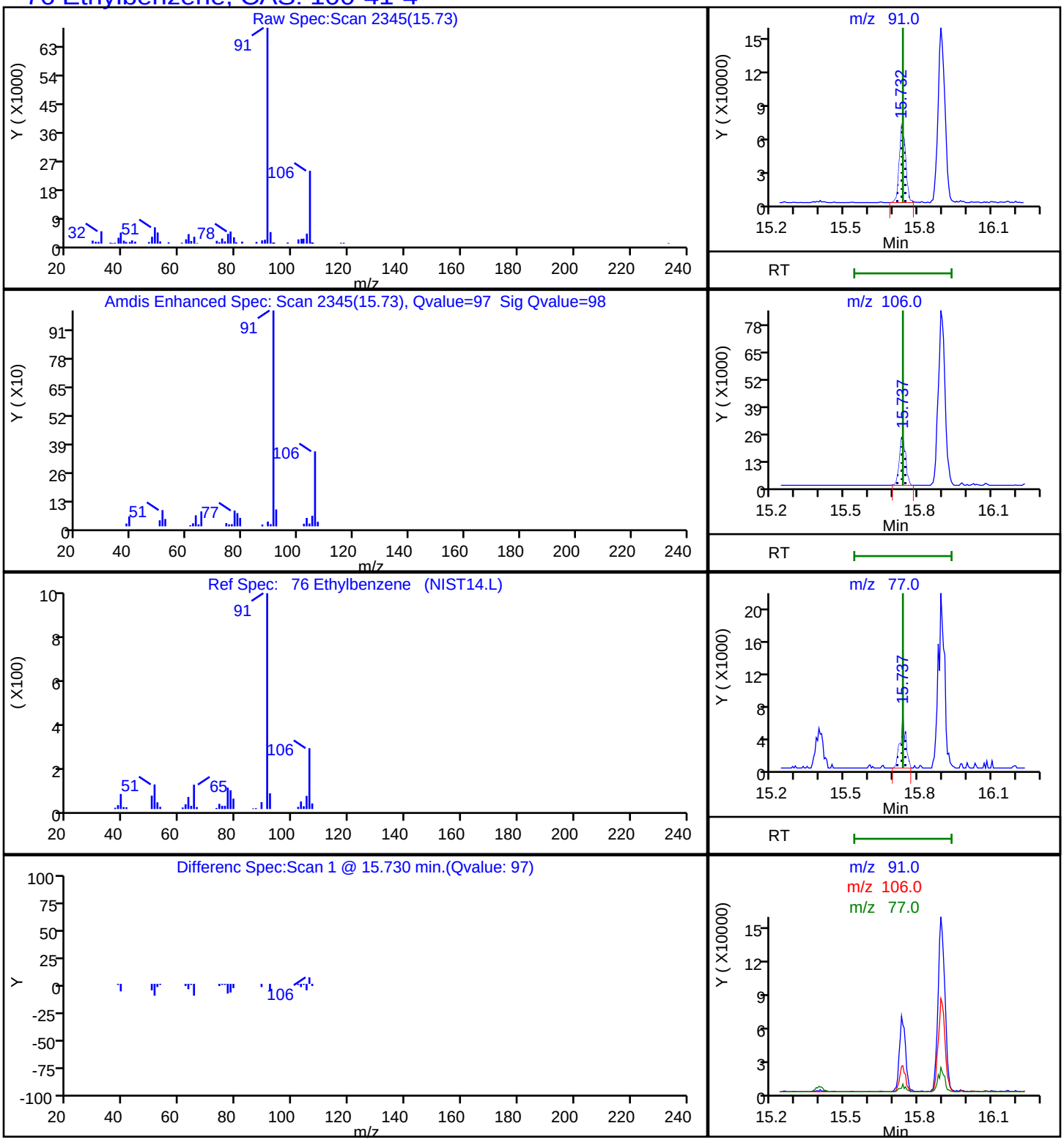
Operator ID: HMT ALS Bottle#: 8 Worklist Smp#: 21

Purge Vol: 500.000 mL Dil. Factor: 1.4000

Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

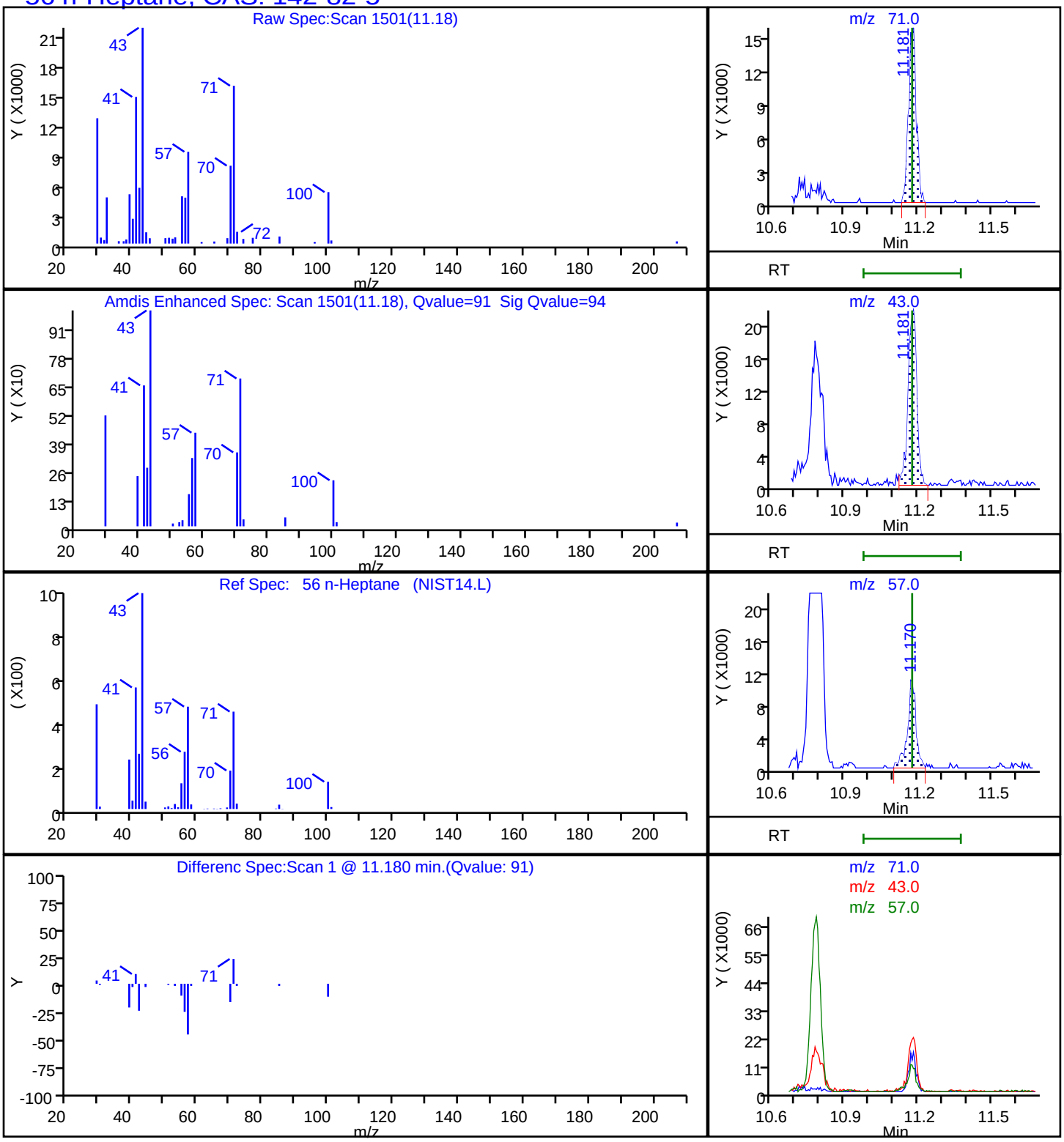
76 Ethylbenzene, CAS: 100-41-4



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D		
Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3
Client ID:	OFFSITE DDC INF		
Operator ID:	HMT	ALS Bottle#:	8 Worklist Smp#: 21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

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



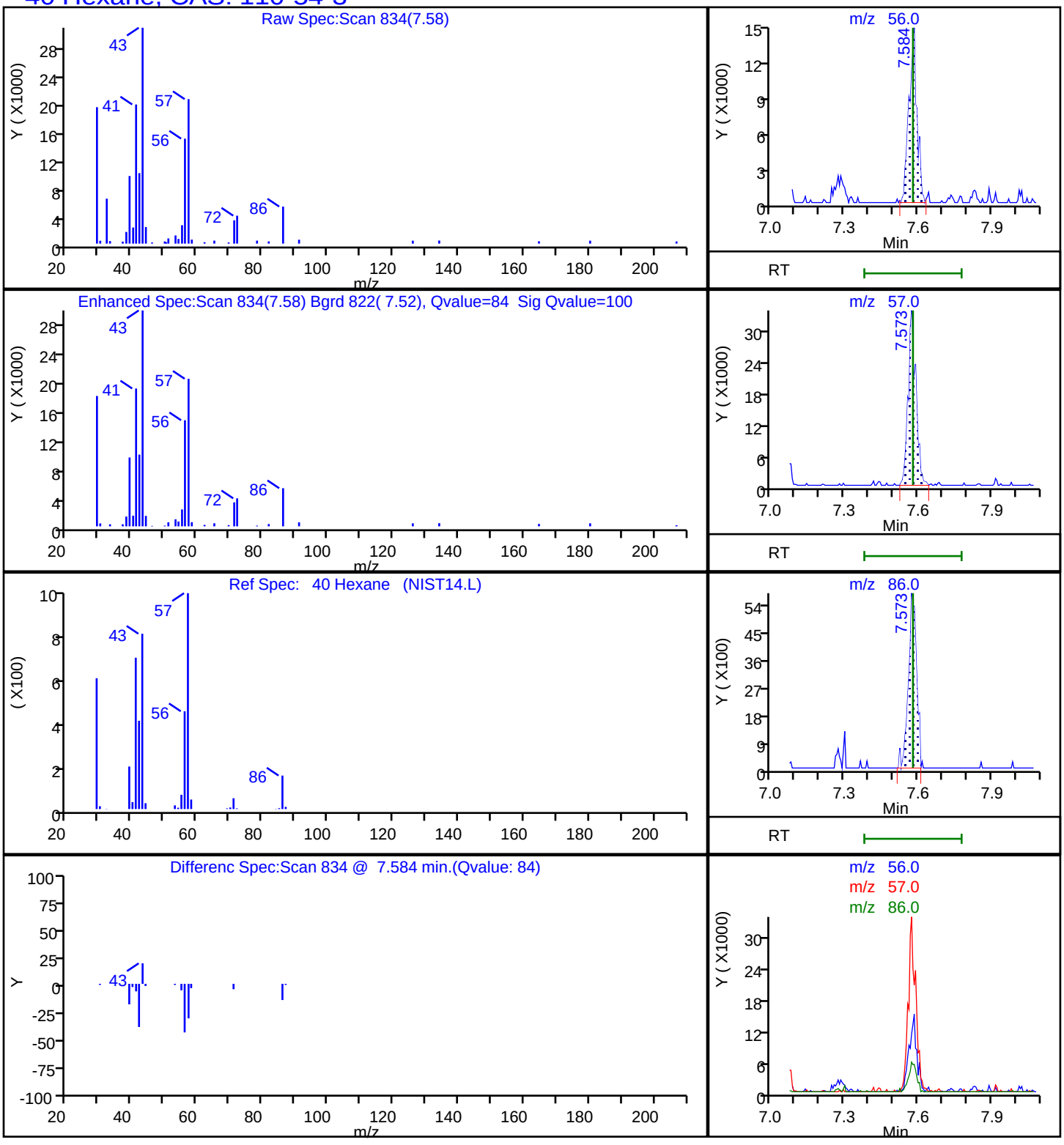
Report Date: 12-Jun-2020 12:31:50 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D

Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR		
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3		
Client ID:	OFFSITE DDC INF				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

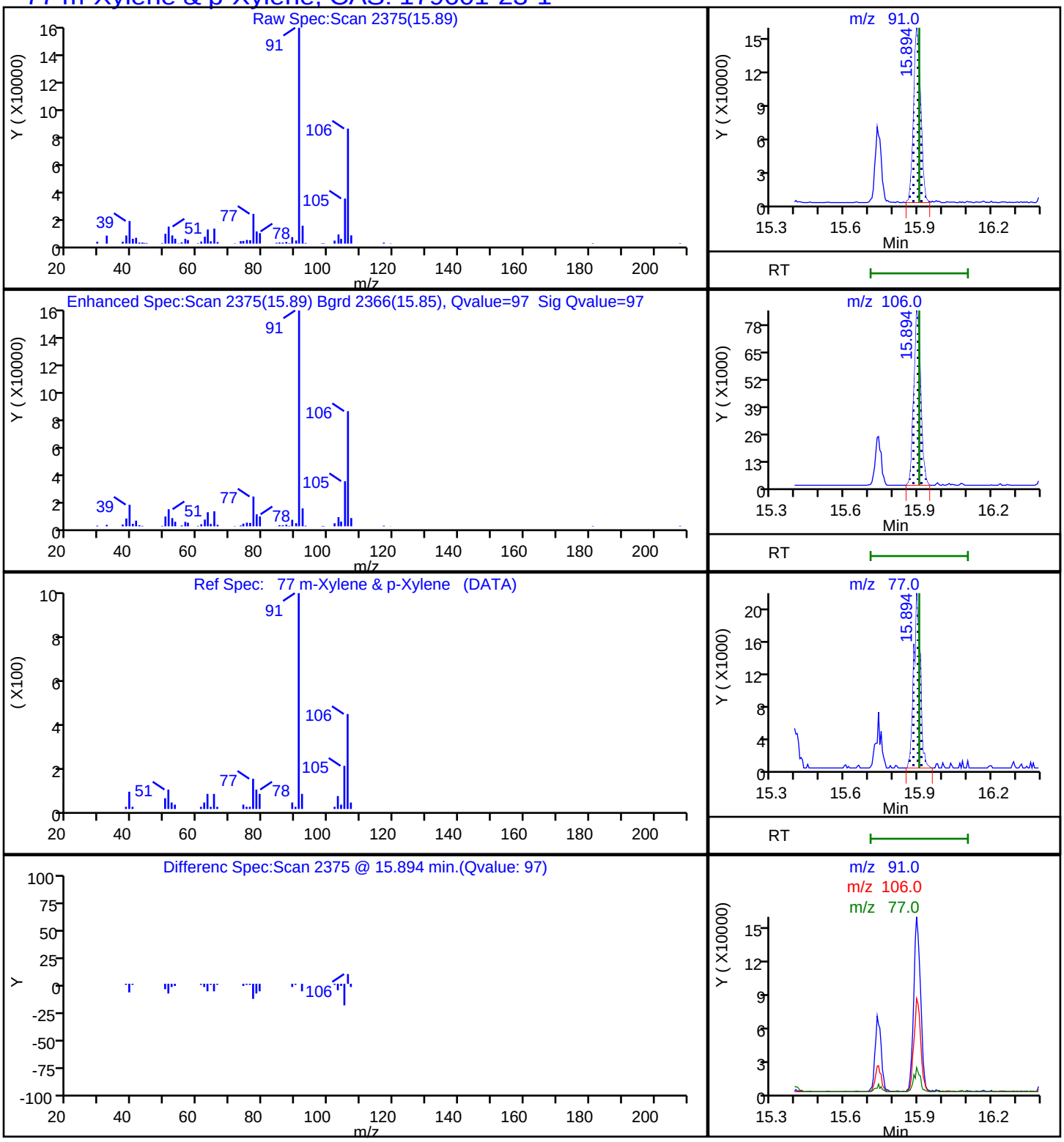
40 Hexane, CAS: 110-54-3



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D				
Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR		
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3		
Client ID:	OFFSITE DDC INF				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

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

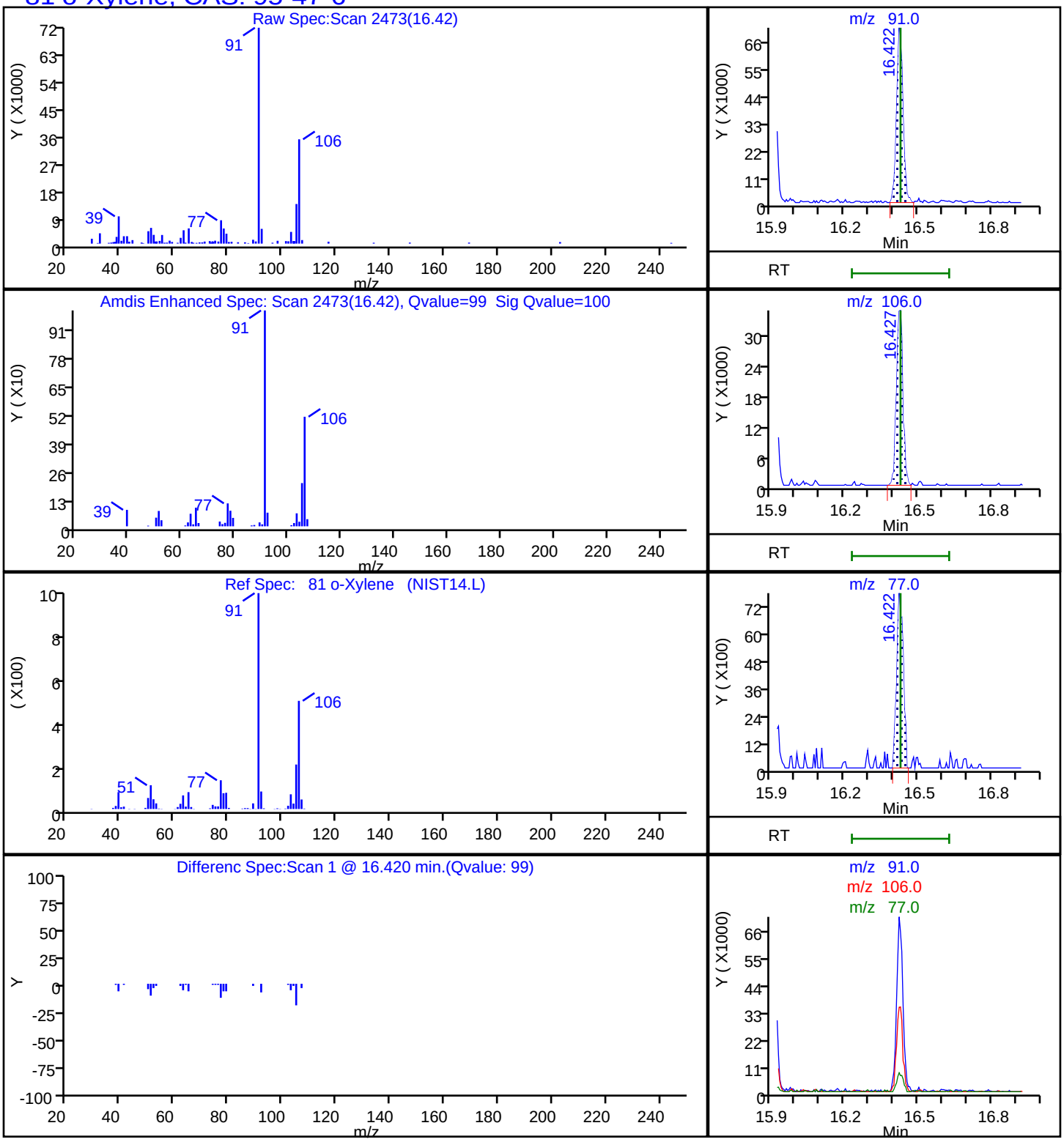


Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D

Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR		
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3		
Client ID:	OFFSITE DDC INF				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

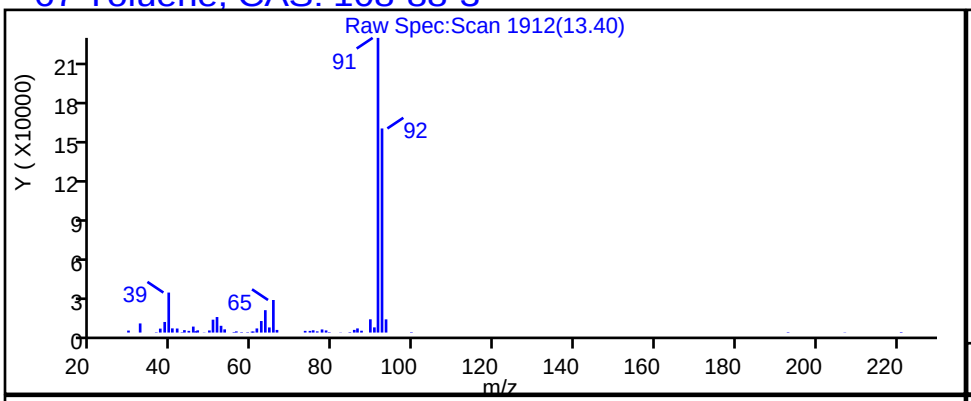
81 o-Xylene, CAS: 95-47-6

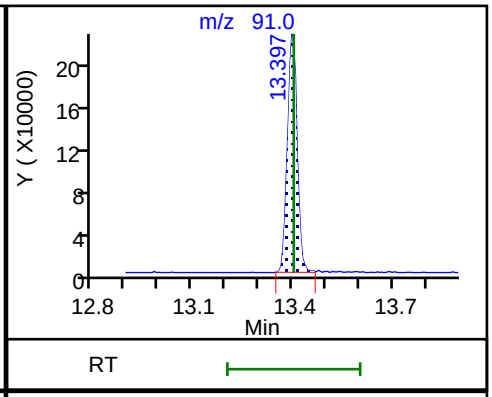


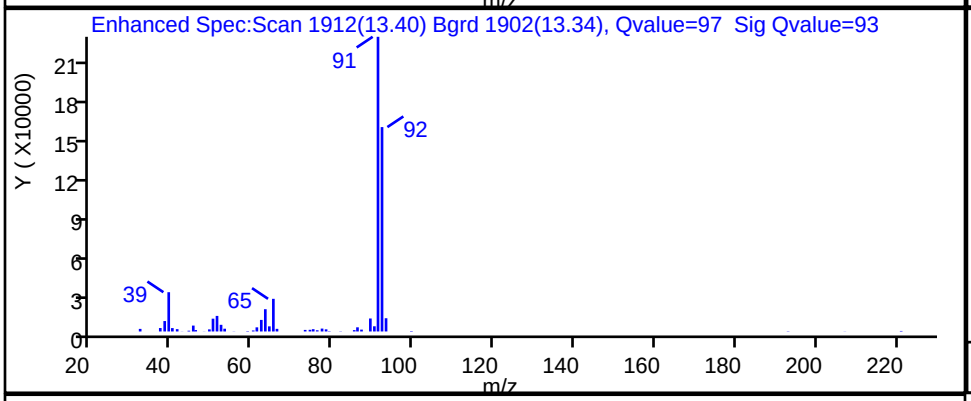
Eurofins TestAmerica, Knoxville

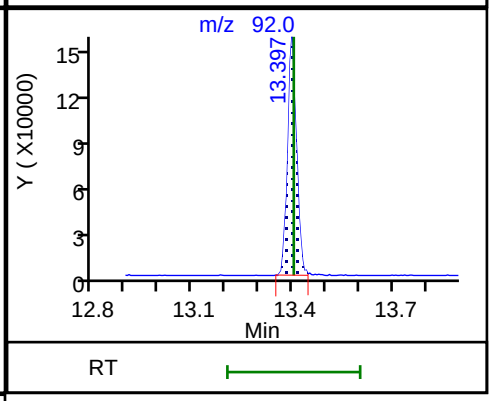
Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D				
Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR		
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3		
Client ID:	OFFSITE DDC INF				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

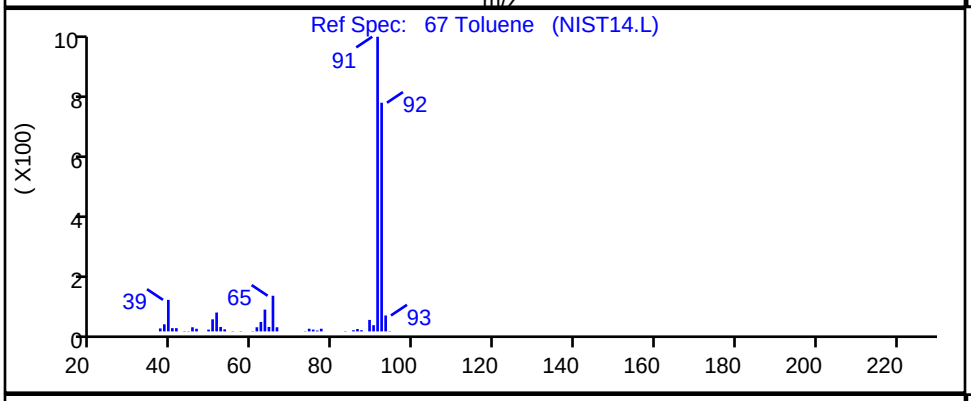
67 Toluene, CAS: 108-88-3

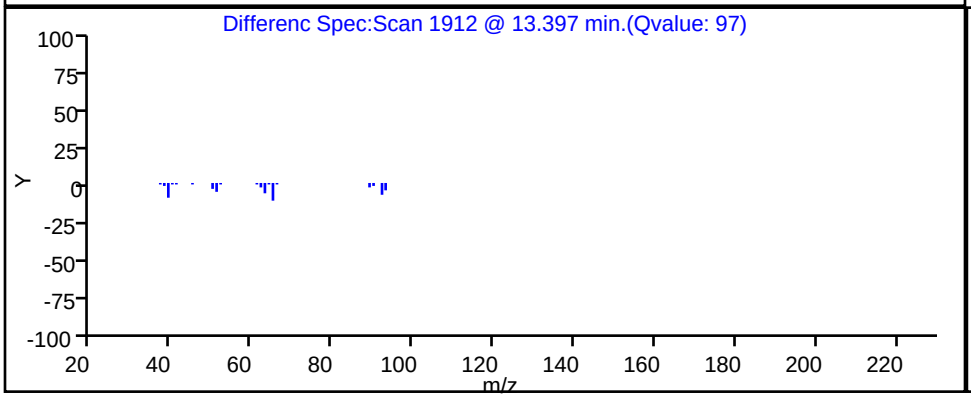


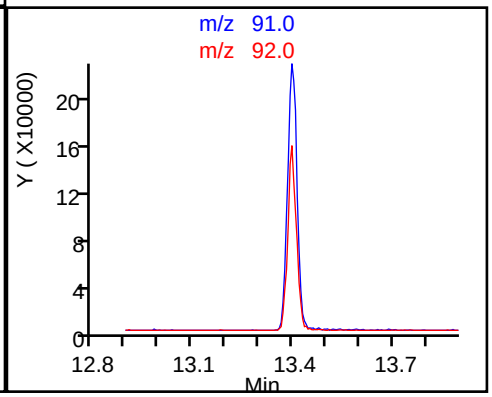










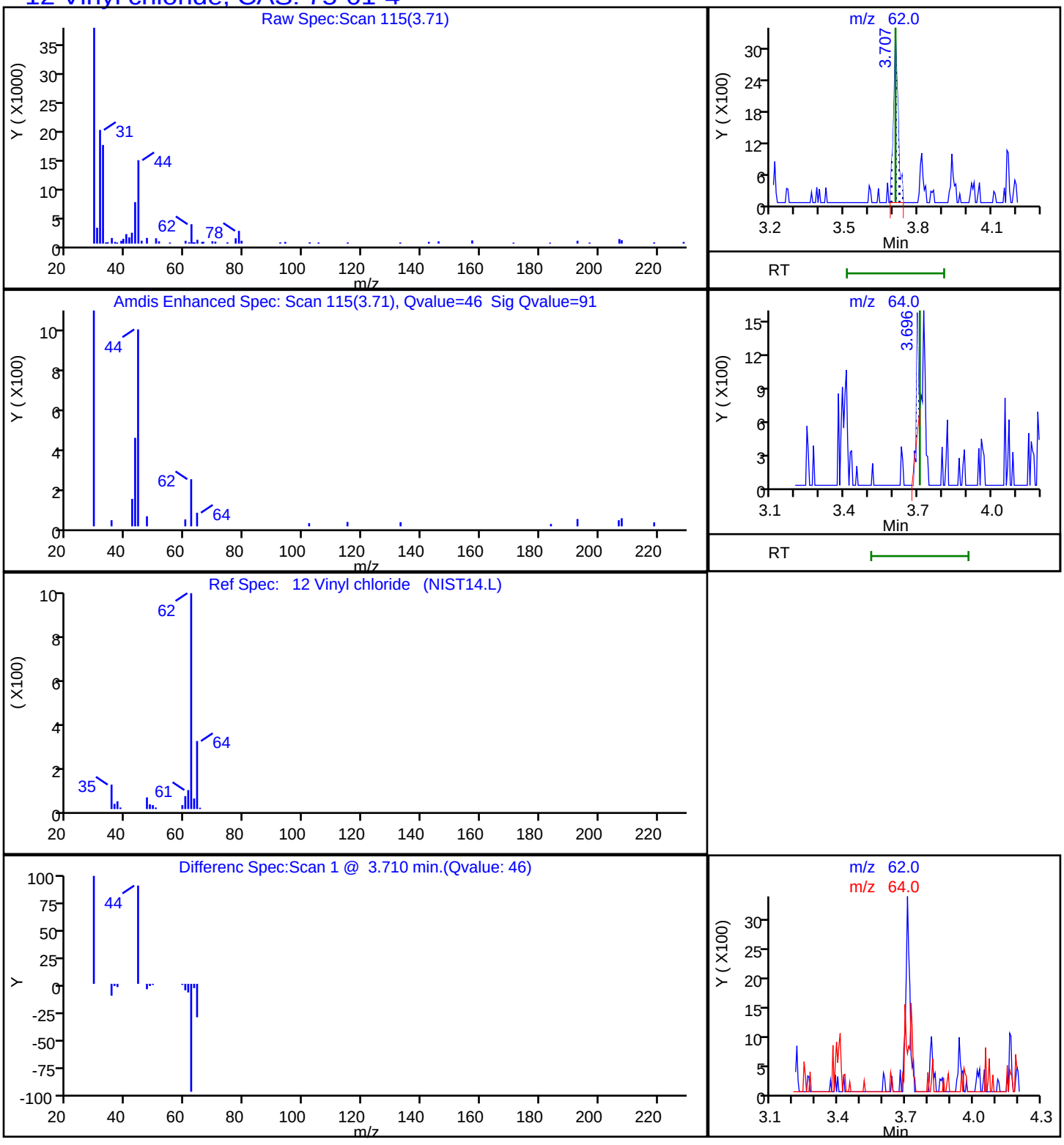


Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D

Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR		
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3		
Client ID:	OFFSITE DDC INF				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

12 Vinyl chloride, CAS: 75-01-4



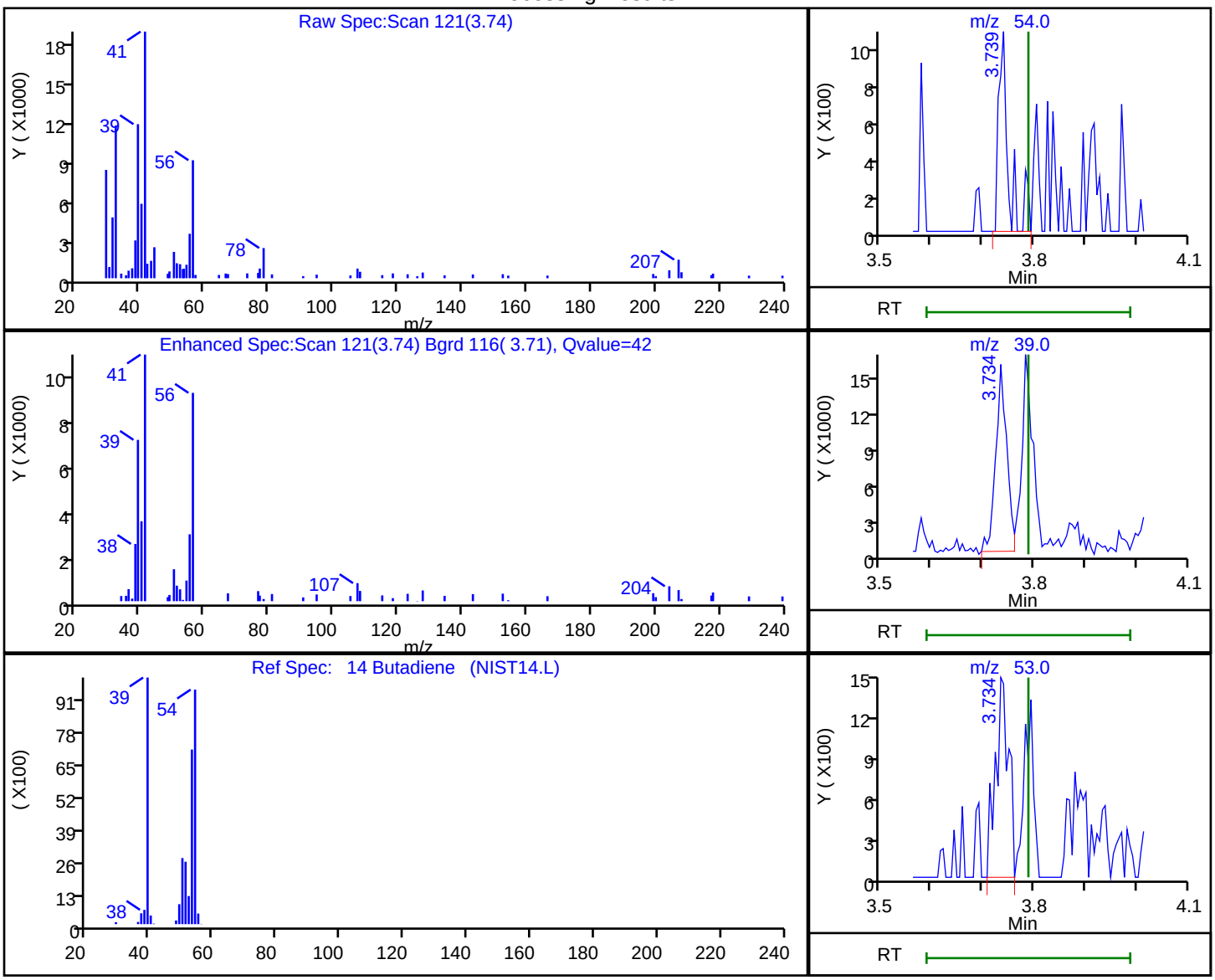
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D				
Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR		
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3		
Client ID:	OFFSITE DDC INF				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

14 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
3.74	54.00	1336	0.025155
3.73	39.00	23153	
3.73	53.00	2639	

Reviewer: khachitpongpanits, 12-Jun-2020 12:28:50

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

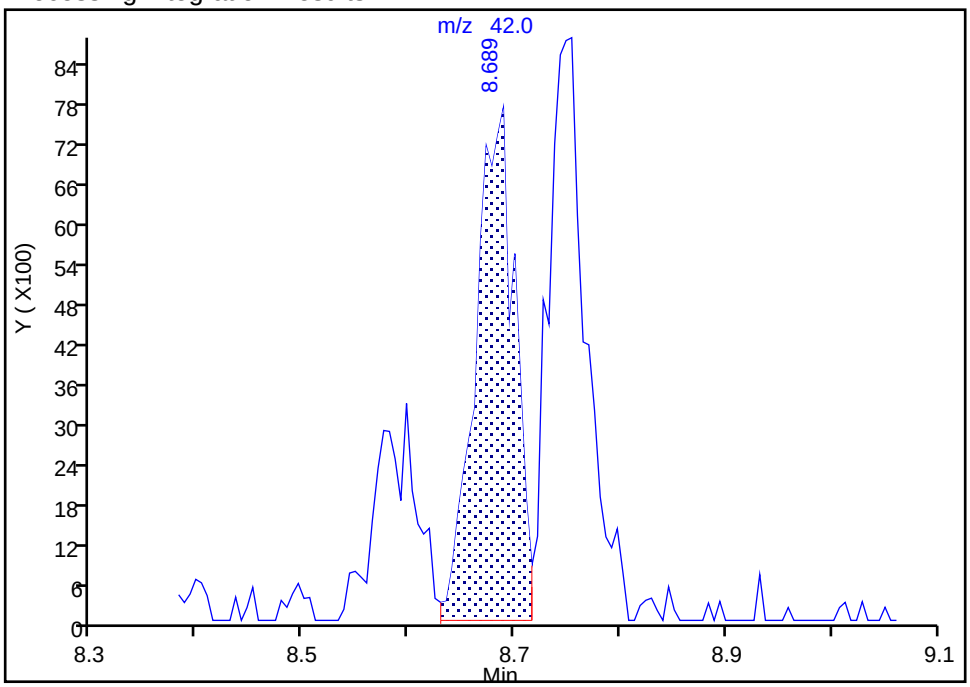
Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D				
Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR		
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3		
Client ID:	OFFSITE DDC INF				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

46 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

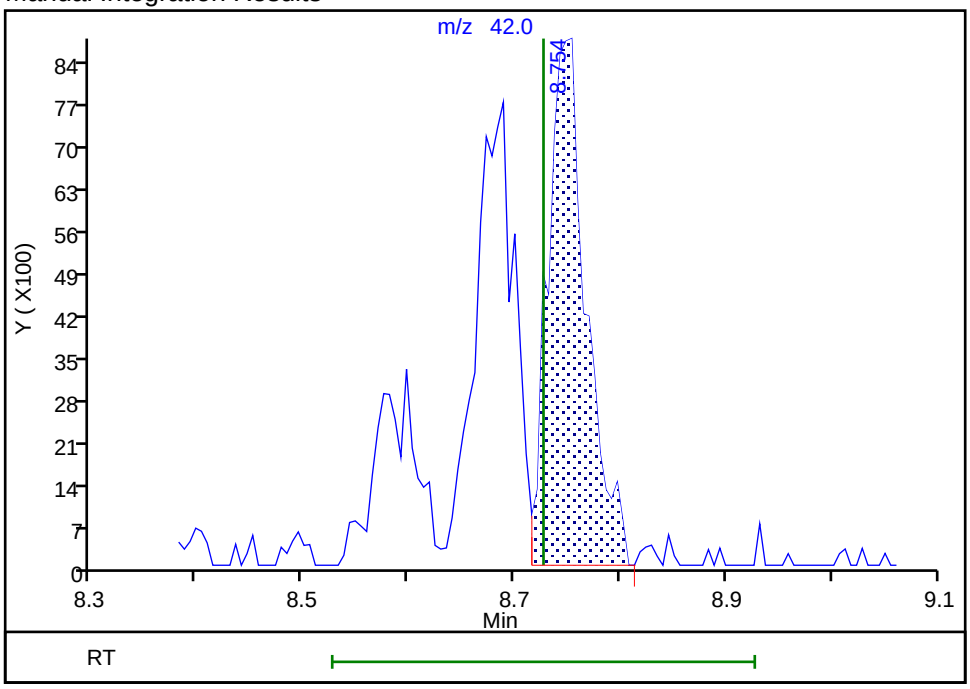
Processing Integration Results

RT: 8.69
Area: 19965
Amount: 0.311602
Amount Units: ppb v/v



Manual Integration Results

RT: 8.75
Area: 22056
Amount: 0.344237
Amount Units: ppb v/v



Reviewer: khachitpongpanits, 12-Jun-2020 12:30:07

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

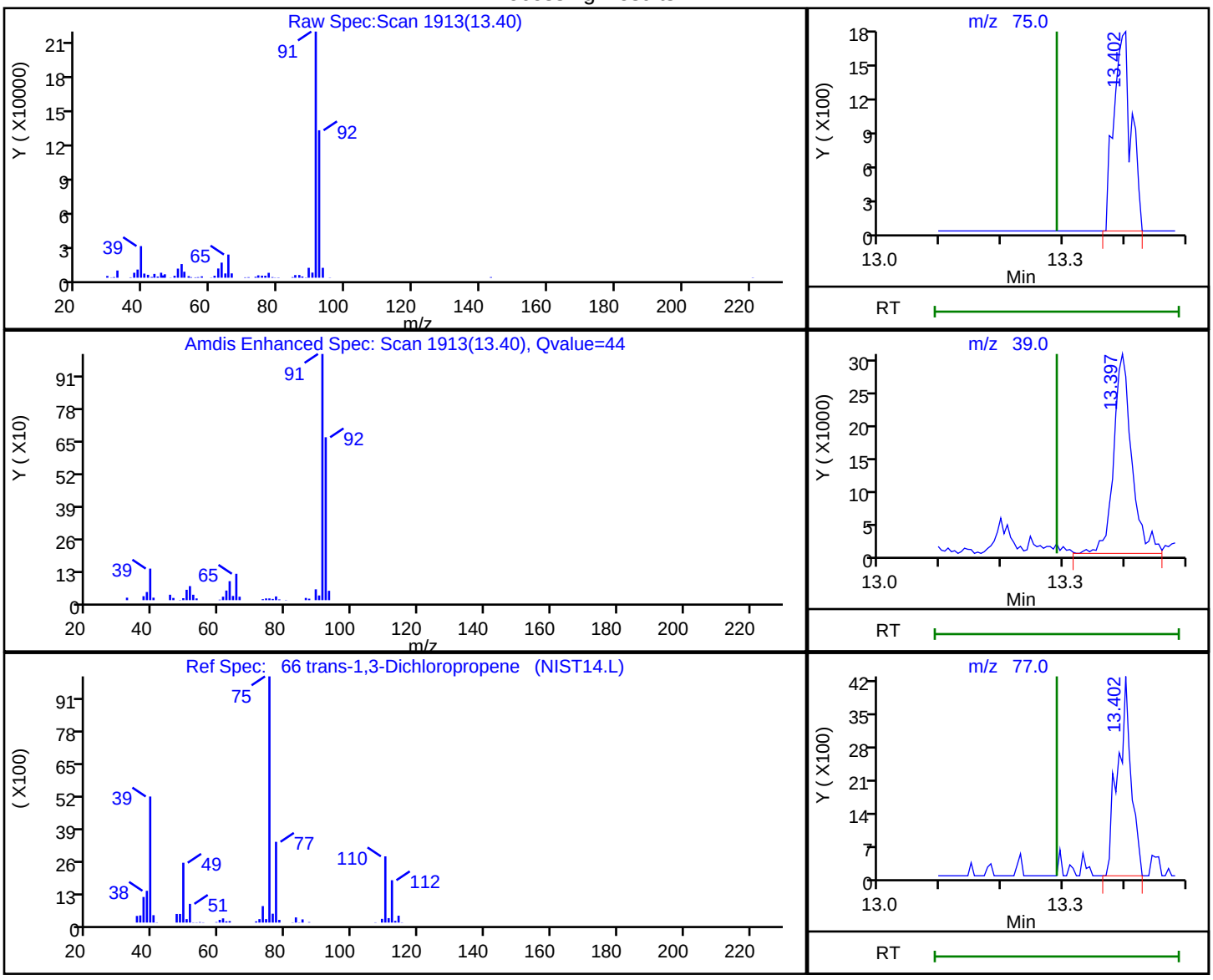
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P108.D				
Injection Date:	11-Jun-2020 23:03:30	Instrument ID:	MR		
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3		
Client ID:	OFFSITE DDC INF				
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	1.4000		
Method:	MR_TO15	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
13.40	75.00	3586	0.039944
13.40	39.00	63704	
13.40	77.00	6399	

Reviewer: khachitpongpanits, 12-Jun-2020 12:30:25

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.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC INF DL Lab Sample ID: 140-19327-3 DL

Matrix: Air Lab File ID: HF15P109.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:18

Sample wt/vol: 25(mL) Date Analyzed: 06/15/2020 21:44

Soil Aliquot Vol: Dilution Factor: 1.4

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40282 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
67-63-0	2-Propanol	60.10	840	D	22	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC INF DL Lab Sample ID: 140-19327-3 DL

Matrix: Air Lab File ID: HF15P109.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:18

Sample wt/vol: 25(mL) Date Analyzed: 06/15/2020 21:44

Soil Aliquot Vol: Dilution Factor: 1.4

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40282 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
67-63-0	2-Propanol	60.10	2100	D	55	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HF15P109.D
Lims ID: 140-19327-A-3
Client ID: OFFSITE DDC INF
Sample Type: Client
Inject. Date: 15-Jun-2020 21:44:30 ALS Bottle#: 9 Worklist Smp#: 16
Purge Vol: 500.000 mL Dil. Factor: 1.4000
Sample Info: 140-0015724-016
Misc. Info.: 140-19327-a-3@1.40
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 16-Jun-2020 12:45:14 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: khachitpongpanits Date: 16-Jun-2020 12:45:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.572	8.572	0.000	93	111626	4.00	
* 2 1,4-Difluorobenzene	114	10.779	10.779	0.000	96	810115	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.565	15.565	0.000	92	655624	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.213	17.234	-0.021	86	448720	4.08	
8 Dichlorodifluoromethane	85	3.600	3.602	0.000	98	4581	0.0253	
17 Ethanol	31	4.561	4.559	0.005	93	205697	10.3	
20 Trichlorofluoromethane	101	5.016	5.014	0.005	94	3619	0.0223	
23 Acetone	58	5.145	5.133	0.015	99	42481	1.69	
25 Isopropyl alcohol	45	5.218	5.216	0.006	98	2012344	30.1	
27 1,1-Dichloroethene	96	5.708	5.703	0.005	71	1090	0.0200	
31 Methylene Chloride	84	6.050	6.053	0.000	95	45610	0.3159	
33 Carbon disulfide	76	6.205	6.209	0.000	94	2626	0.0161	
34 trans-1,2-Dichloroethene	96	6.851	6.850	0.005	31	469	0.008738	
37 1,1-Dichloroethane	63	7.269	7.264	0.005	36	1988	0.0186	
39 2-Butanone (MEK)	72	7.838	7.817	0.026	85	5010	0.2108	
40 Hexane	56	7.838	7.832	0.010	78	13096	0.3261	
42 cis-1,2-Dichloroethene	96	8.246	8.246	0.005	97	33157	0.5917	
44 Chloroform	83	8.587	8.593	0.000	29	5833	0.0443	
46 Tetrahydrofuran	42	9.006	8.980	0.031	87	6263	0.1143	
50 Cyclohexane	69	10.220	10.215	0.005	62	3149	0.1350	
51 Benzene	78	10.220	10.215	0.005	92	18241	0.1035	
55 Isooctane	57	11.001	10.991	0.010	97	71035	0.2652	
56 n-Heptane	71	11.383	11.378	0.005	83	6097	0.1231	
67 Toluene	91	13.580	13.580	0.000	92	129207	0.6867	
73 Tetrachloroethene	129	14.743	14.733	0.010	30	596	0.008486	
76 Ethylbenzene	91	15.906	15.906	0.000	99	24474	0.1034	
77 m-Xylene & p-Xylene	91	16.066	16.066	0.000	99	78965	0.4374	
81 o-Xylene	91	16.598	16.593	0.005	96	26632	0.1424	
85 N-Propylbenzene	120	17.740	17.777	-0.037	97	1560	0.0240	
87 4-Ethyltoluene	105	17.901	17.901	-0.031	95	8661	0.0348	a
88 1,3,5-Trimethylbenzene	120	17.989	18.014	-0.026	89	4110	0.0654	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
92 1,2,4-Trimethylbenzene	105	18.449	18.469	-0.020	98	25624	0.1157	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

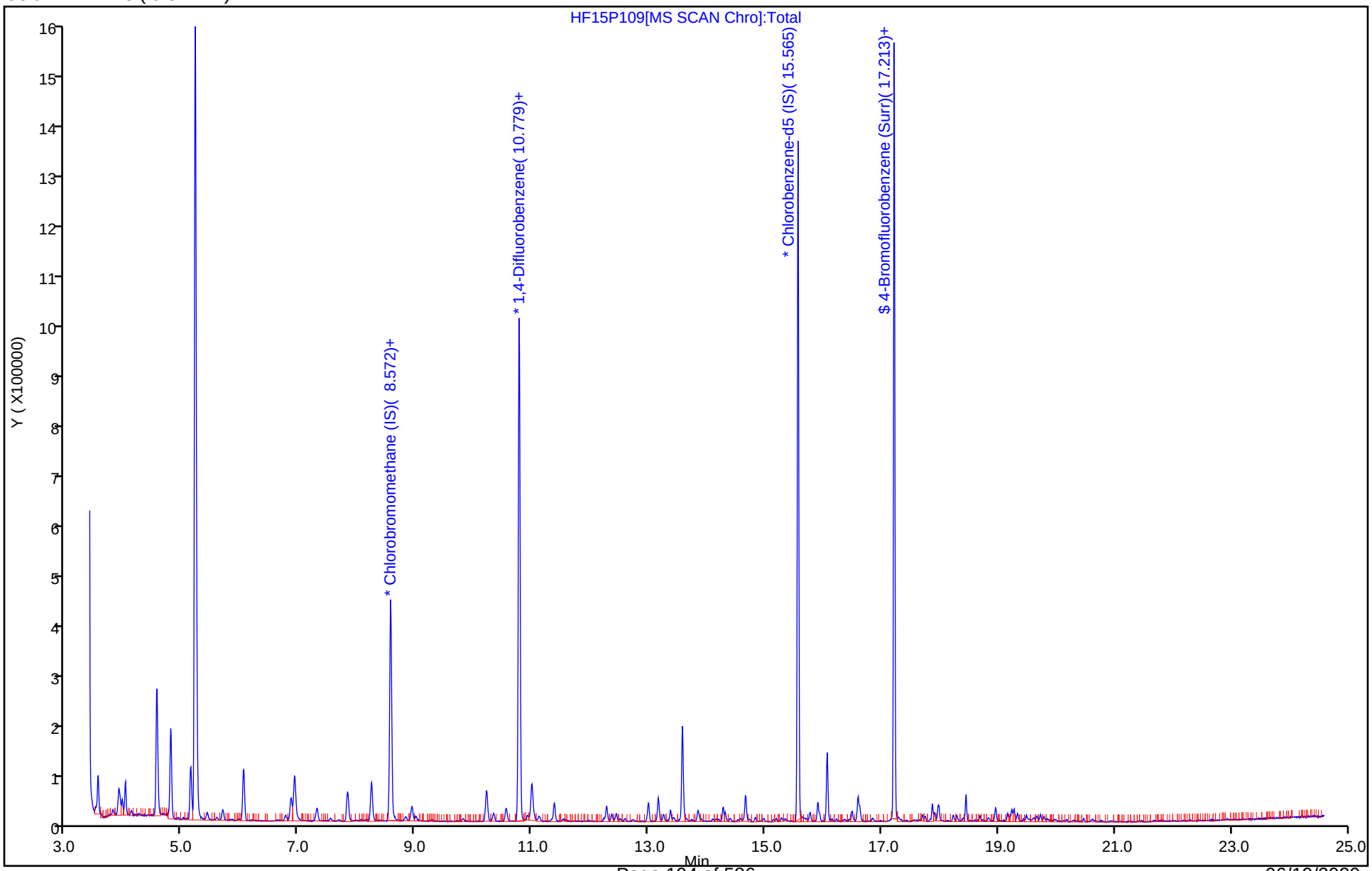
Report Date: 16-Jun-2020 12:45:15 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HF15P109.D

Injection Date:	15-Jun-2020 21:44:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3	Worklist Smp#:	16
Client ID:	OFFSITE DDC INF				
Purge Vol:	500.000 mL	Dil. Factor:	1.4000	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\20200612-15724.b\HF15P109.D				
Lims ID:	140-19327-A-3				
Client ID:	OFFSITE DDC INF				
Sample Type:	Client				
Inject. Date:	15-Jun-2020 21:44:30	ALS Bottle#:	9	Worklist Smp#:	16
Purge Vol:	500.000 mL	Dil. Factor:	1.4000		
Sample Info:	140-0015724-016				
Misc. Info.:	140-19327-a-3@1.40				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20200612-15724.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	16-Jun-2020 12:45:14	Calib Date:	16-Apr-2020 18:34:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1015				

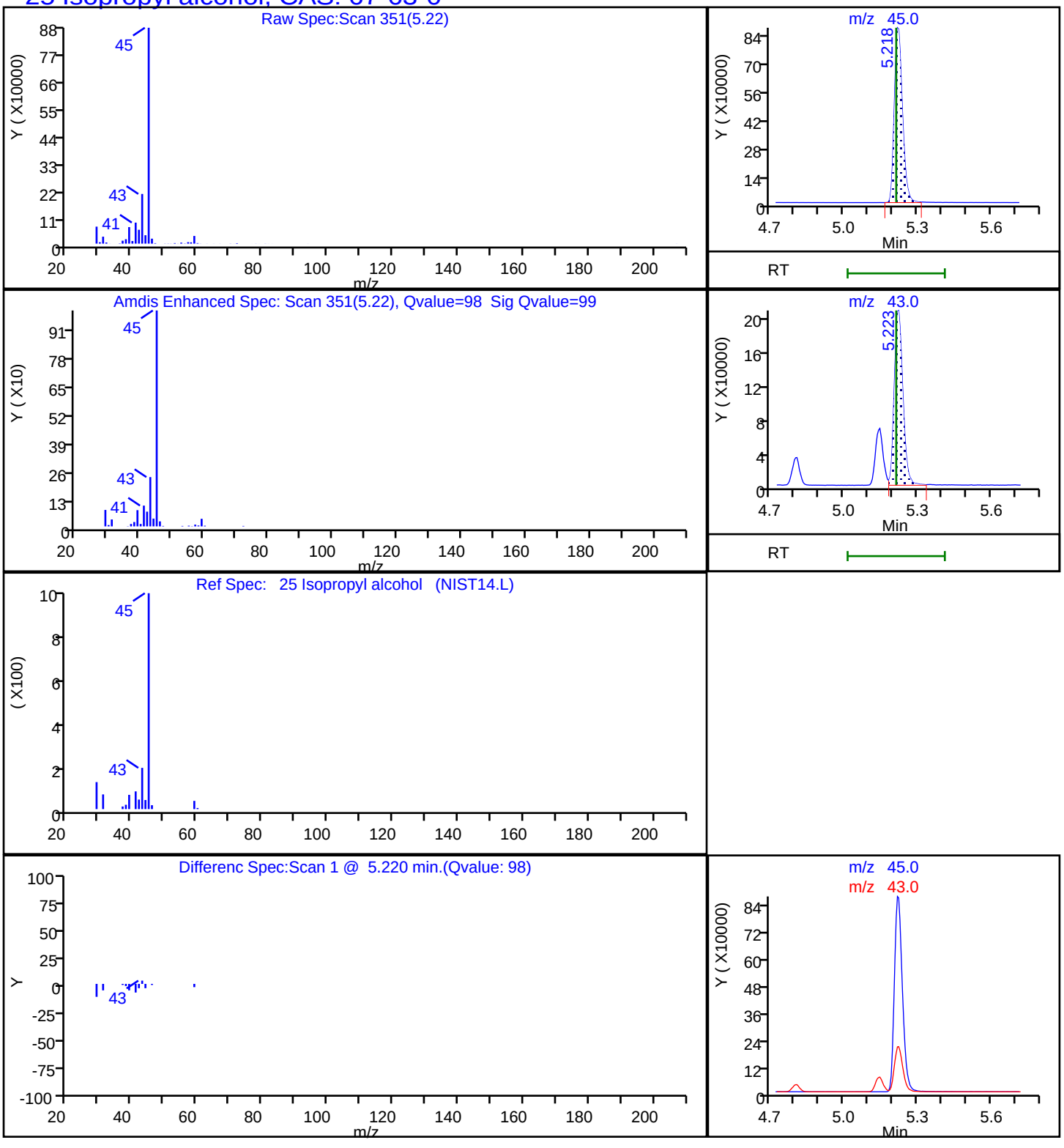
First Level Reviewer: khachitpongpanits Date: 16-Jun-2020 12:45:14

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	4.08	101.99

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HF15P109.D		
Injection Date:	15-Jun-2020 21:44:30	Instrument ID:	MH
Lims ID:	140-19327-A-3	Lab Sample ID:	140-19327-3
Client ID:	OFFSITE DDC INF		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 16
Purge Vol:	500.000 mL	Dil. Factor:	1.4000
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.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC MID-1 Lab Sample ID: 140-19327-4

Matrix: Air Lab File ID: HF12P101R.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:24

Sample wt/vol: 800(mL) Date Analyzed: 06/12/2020 13:29

Soil Aliquot Vol: Dilution Factor: 4.7

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40269 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.24	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.24	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.24	
75-34-3	1,1-Dichloroethane	98.96	ND		0.24	
75-35-4	1,1-Dichloroethene	96.94	ND		0.12	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.24	
95-63-6	1,2,4-Trimethylbenzene	120.20	1.1		0.24	
106-93-4	1,2-Dibromoethane	187.87	ND		0.24	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.24	
107-06-2	1,2-Dichloroethane	98.96	ND		0.24	
78-87-5	1,2-Dichloropropane	112.99	ND		0.24	
108-67-8	1,3,5-Trimethylbenzene	120.20	0.40		0.24	
106-99-0	1,3-Butadiene	54.09	ND		0.47	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.24	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.24	
123-91-1	1,4-Dioxane	88.11	ND		0.59	
540-84-1	2,2,4-Trimethylpentane	114.23	1.2		0.59	
78-93-3	2-Butanone	72.11	2.2		0.94	
591-78-6	2-Hexanone	100.20	ND		0.59	
67-63-0	*2-Propanol*	*60.10*	*280*	*E*	*2.4*	
107-05-1	3-Chloropropene	76.53	ND		0.24	
622-96-8	4-Ethyltoluene	120.20	ND		0.47	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.59	
67-64-1	Acetone	58.08	21		5.9	
100-44-7	alpha-Chlorotoluene	126.58	ND		0.47	
71-43-2	Benzene	78.11	0.45		0.24	
75-27-4	Bromodichloromethane	163.83	ND		0.24	
75-25-2	Bromoform	252.75	ND		0.24	
74-83-9	Bromomethane	94.94	ND		0.24	
75-15-0	Carbon disulfide	76.14	ND		0.59	
56-23-5	Carbon tetrachloride	153.81	ND		0.094	
108-90-7	Chlorobenzene	112.56	ND		0.24	
75-00-3	Chloroethane	64.52	ND		0.24	
67-66-3	Chloroform	119.38	ND		0.24	
74-87-3	Chloromethane	50.49	0.92		0.59	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC MID-1 Lab Sample ID: 140-19327-4

Matrix: Air Lab File ID: HF12P101R.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:24

Sample wt/vol: 800(mL) Date Analyzed: 06/12/2020 13:29

Soil Aliquot Vol: Dilution Factor: 4.7

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40269 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.12	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.24	
98-82-8	Cumene	120.19	ND		0.47	
110-82-7	Cyclohexane	84.16	ND		0.59	
124-48-1	Dibromochloromethane	208.29	ND		0.24	
64-17-5	Ethanol	46.07	95		5.9	
100-41-4	Ethylbenzene	106.17	0.73		0.24	
75-69-4	Freon 11	137.37	0.29		0.24	
76-13-1	Freon 113	187.38	ND		0.24	
75-71-8	Freon 12	120.91	0.24		0.24	
76-14-2	Freon-114	170.92	ND		0.24	
142-82-5	Heptane	100.21	ND		0.59	
87-68-3	Hexachlorobutadiene	260.76	ND		0.24	
110-54-3	Hexane	86.17	2.0		0.59	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.47	
75-09-2	Methylene Chloride	84.93	3.6		1.2	
179601-23-1	m-Xylene & p-Xylene	106.17	3.0		0.24	
95-47-6	o-Xylene	106.17	1.2		0.24	
103-65-1	Propylbenzene	120.19	ND		0.47	
100-42-5	Styrene	104.15	ND		0.24	
127-18-4	Tetrachloroethene	165.83	ND		0.24	
109-99-9	Tetrahydrofuran	72.11	ND		1.2	
108-88-3	Toluene	92.14	3.2		0.35	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.24	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.24	
79-01-6	Trichloroethene	131.39	ND		0.11	
75-01-4	Vinyl chloride	62.50	ND		0.12	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC MID-1 Lab Sample ID: 140-19327-4

Matrix: Air Lab File ID: HF12P101R.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:24

Sample wt/vol: 800(mL) Date Analyzed: 06/12/2020 13:29

Soil Aliquot Vol: Dilution Factor: 4.7

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40269 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		1.3	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		1.6	
79-00-5	1,1,2-Trichloroethane	133.41	ND		1.3	
75-34-3	1,1-Dichloroethane	98.96	ND		0.95	
75-35-4	1,1-Dichloroethene	96.94	ND		0.47	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		1.7	
95-63-6	1,2,4-Trimethylbenzene	120.20	5.2		1.2	
106-93-4	1,2-Dibromoethane	187.87	ND		1.8	
95-50-1	1,2-Dichlorobenzene	147.00	ND		1.4	
107-06-2	1,2-Dichloroethane	98.96	ND		0.95	
78-87-5	1,2-Dichloropropane	112.99	ND		1.1	
108-67-8	1,3,5-Trimethylbenzene	120.20	2.0		1.2	
106-99-0	1,3-Butadiene	54.09	ND		1.0	
541-73-1	1,3-Dichlorobenzene	147.00	ND		1.4	
106-46-7	1,4-Dichlorobenzene	147.00	ND		1.4	
123-91-1	1,4-Dioxane	88.11	ND		2.1	
540-84-1	2,2,4-Trimethylpentane	114.23	5.6		2.7	
78-93-3	2-Butanone	72.11	6.6		2.8	
591-78-6	2-Hexanone	100.20	ND		2.4	
67-63-0	*2-Propanol*	*60.10*	*690*	*E*	*5.8*	
107-05-1	3-Chloropropene	76.53	ND		0.74	
622-96-8	4-Ethyltoluene	120.20	ND		2.3	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		2.4	
67-64-1	Acetone	58.08	49		14	
100-44-7	alpha-Chlorotoluene	126.58	ND		2.4	
71-43-2	Benzene	78.11	1.5		0.75	
75-27-4	Bromodichloromethane	163.83	ND		1.6	
75-25-2	Bromoform	252.75	ND		2.4	
74-83-9	Bromomethane	94.94	ND		0.91	
75-15-0	Carbon disulfide	76.14	ND		1.8	
56-23-5	Carbon tetrachloride	153.81	ND		0.59	
108-90-7	Chlorobenzene	112.56	ND		1.1	
75-00-3	Chloroethane	64.52	ND		0.62	
67-66-3	Chloroform	119.38	ND		1.1	
74-87-3	Chloromethane	50.49	1.9		1.2	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC MID-1 Lab Sample ID: 140-19327-4

Matrix: Air Lab File ID: HF12P101R.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:24

Sample wt/vol: 800(mL) Date Analyzed: 06/12/2020 13:29

Soil Aliquot Vol: Dilution Factor: 4.7

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40269 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.47	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		1.1	
98-82-8	Cumene	120.19	ND		2.3	
110-82-7	Cyclohexane	84.16	ND		2.0	
124-48-1	Dibromochloromethane	208.29	ND		2.0	
64-17-5	Ethanol	46.07	180		11	
100-41-4	Ethylbenzene	106.17	3.2		1.0	
75-69-4	Freon 11	137.37	1.6		1.3	
76-13-1	Freon 113	187.38	ND		1.8	
75-71-8	Freon 12	120.91	1.2		1.2	
76-14-2	Freon-114	170.92	ND		1.6	
142-82-5	Heptane	100.21	ND		2.4	
87-68-3	Hexachlorobutadiene	260.76	ND		2.5	
110-54-3	Hexane	86.17	7.0		2.1	
1634-04-4	Methyl tert-butyl ether	88.15	ND		1.7	
75-09-2	Methylene Chloride	84.93	13		4.1	
179601-23-1	m-Xylene & p-Xylene	106.17	13		1.0	
95-47-6	o-Xylene	106.17	5.2		1.0	
103-65-1	Propylbenzene	120.19	ND		2.3	
100-42-5	Styrene	104.15	ND		1.0	
127-18-4	Tetrachloroethene	165.83	ND		1.6	
109-99-9	Tetrahydrofuran	72.11	ND		3.5	
108-88-3	Toluene	92.14	12		1.3	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.93	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		1.1	
79-01-6	Trichloroethene	131.39	ND		0.57	
75-01-4	Vinyl chloride	62.50	ND		0.30	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D
Lims ID: 140-19327-A-4
Client ID: OFFSITE DDC MID-1
Sample Type: Client
Inject. Date: 12-Jun-2020 13:29:30 ALS Bottle#: 2 Worklist Smp#: 20
Purge Vol: 500.000 mL Dil. Factor: 4.7000
Sample Info: 140-0015720-020
Misc. Info.: 140-19327-a-4@4.70
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 15-Jun-2020 10:53:37 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1051

First Level Reviewer: khachitpongpanits Date: 15-Jun-2020 10:53:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.577	8.577	0.000	95	160857	4.00	
* 2 1,4-Difluorobenzene	114	10.779	10.779	0.000	96	1186375	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.565	15.565	0.000	91	1018884	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.213	17.214	-0.001	89	707602	4.14	
8 Dichlorodifluoromethane	85	3.605	3.600	0.005	100	21557	0.0826	
9 Chloromethane	52	3.781	3.776	0.005	100	8864	0.3116	
17 Ethanol	31	4.566	4.561	0.005	92	924846	32.2	
20 Trichlorofluoromethane	101	5.016	5.011	0.005	99	22979	0.0982	
23 Acetone	58	5.135	5.135	0.000	99	255759	7.07	
25 Isopropyl alcohol	45	5.228	5.218	0.010	97	6506331	95.1	E
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.879	5.879	0.000	68	3848	0.0212	
31 Methylene Chloride	84	6.055	6.050	0.005	96	129663	1.23	
33 Carbon disulfide	76	6.210	6.205	0.005	99	16669	0.0710	
39 2-Butanone (MEK)	72	7.817	7.812	0.005	95	26103	0.7621	
40 Hexane	56	7.838	7.833	0.005	83	39074	0.6752	
44 Chloroform	83	8.587	8.587	0.000	27	2260	0.0119	
46 Tetrahydrofuran	42	8.990	8.980	0.010	95	17940	0.2272	
50 Cyclohexane	69	10.215	10.216	-0.001	64	6280	0.1839	
51 Benzene	78	10.215	10.221	-0.006	95	39940	0.1548	
52 Carbon tetrachloride	117	10.246	10.241	0.005	94	4293	0.0230	
55 Isooctane	57	10.996	10.991	0.005	96	159414	0.4065	
56 n-Heptane	71	11.383	11.384	-0.001	88	13249	0.1826	
64 4-Methyl-2-pentanone (MIBK)	43	12.701	12.691	0.010	95	10688	0.0582	
67 Toluene	91	13.580	13.580	0.000	93	326462	1.11	
69 2-Hexanone	58	14.050	14.045	0.005	84	1997	0.0214	
73 Tetrachloroethene	129	14.738	14.733	0.005	88	1658	0.0152	
76 Ethylbenzene	91	15.906	15.906	0.000	99	91873	0.2497	
77 m-Xylene & p-Xylene	91	16.061	16.066	-0.005	99	285199	1.02	
80 Styrene	104	16.526	16.531	-0.005	86	2296	0.0425	
81 o-Xylene	91	16.593	16.593	0.000	97	119113	0.4099	
84 Isopropylbenzene	105	17.188	17.182	0.006	89	11043	0.0281	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	120	17.746	17.746	0.000	98	7407	0.0733	
87 4-Ethyltoluene	105	17.911	17.911	0.005	89	53943	0.1394	a
88 1,3,5-Trimethylbenzene	120	17.983	17.984	-0.001	90	17936	0.1358	
92 1,2,4-Trimethylbenzene	105	18.449	18.449	0.000	99	124084	0.3606	
94 1,3-Dichlorobenzene	146	18.728	18.728	0.000	96	15865	0.0698	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

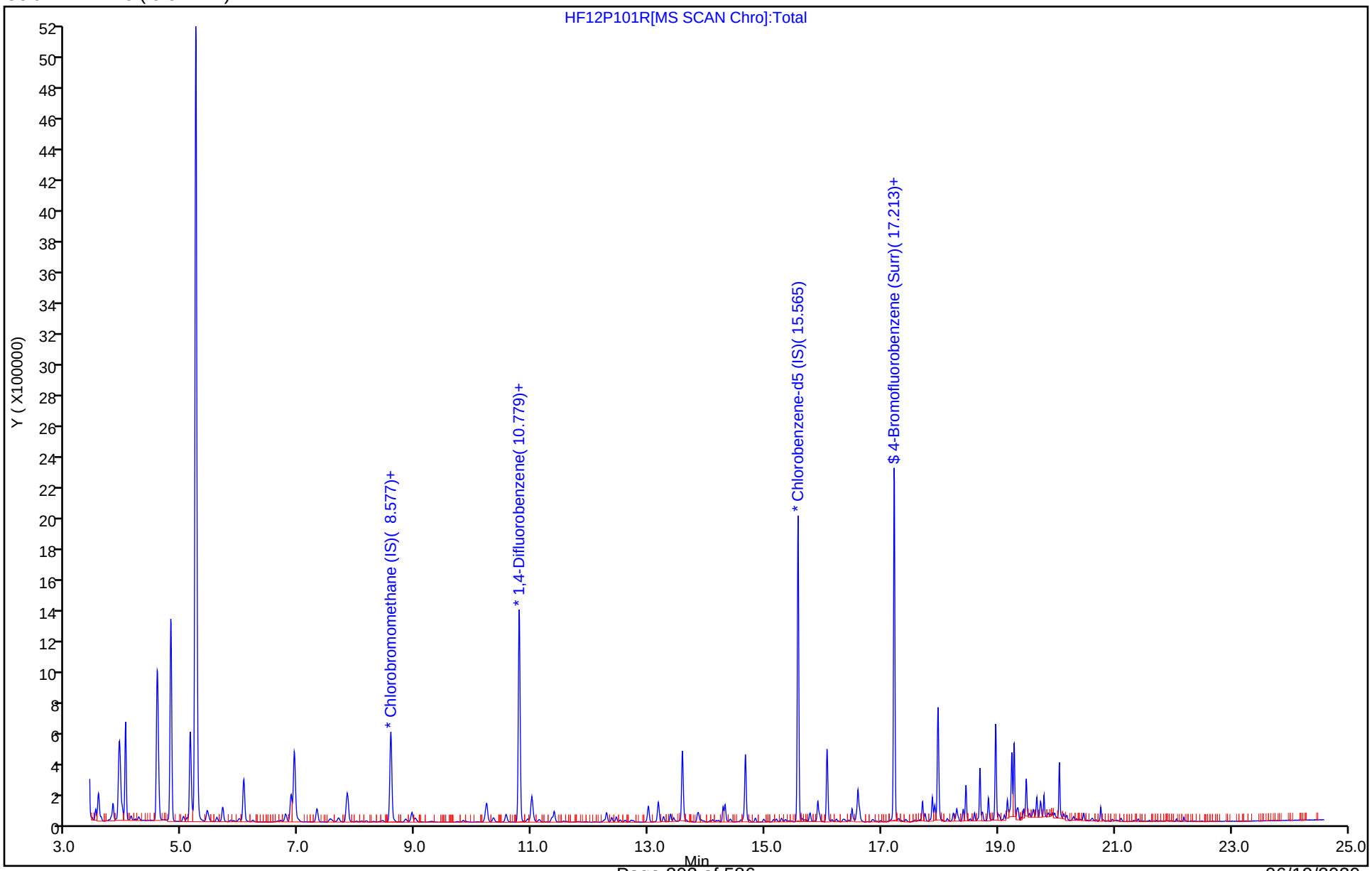
Report Date: 15-Jun-2020 10:53:38 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D

Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4	Worklist Smp#:	20
Client ID:	OFFSITE DDC MID-1				
Purge Vol:	500.000 mL	Dil. Factor:	4.7000	ALS Bottle#:	2
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

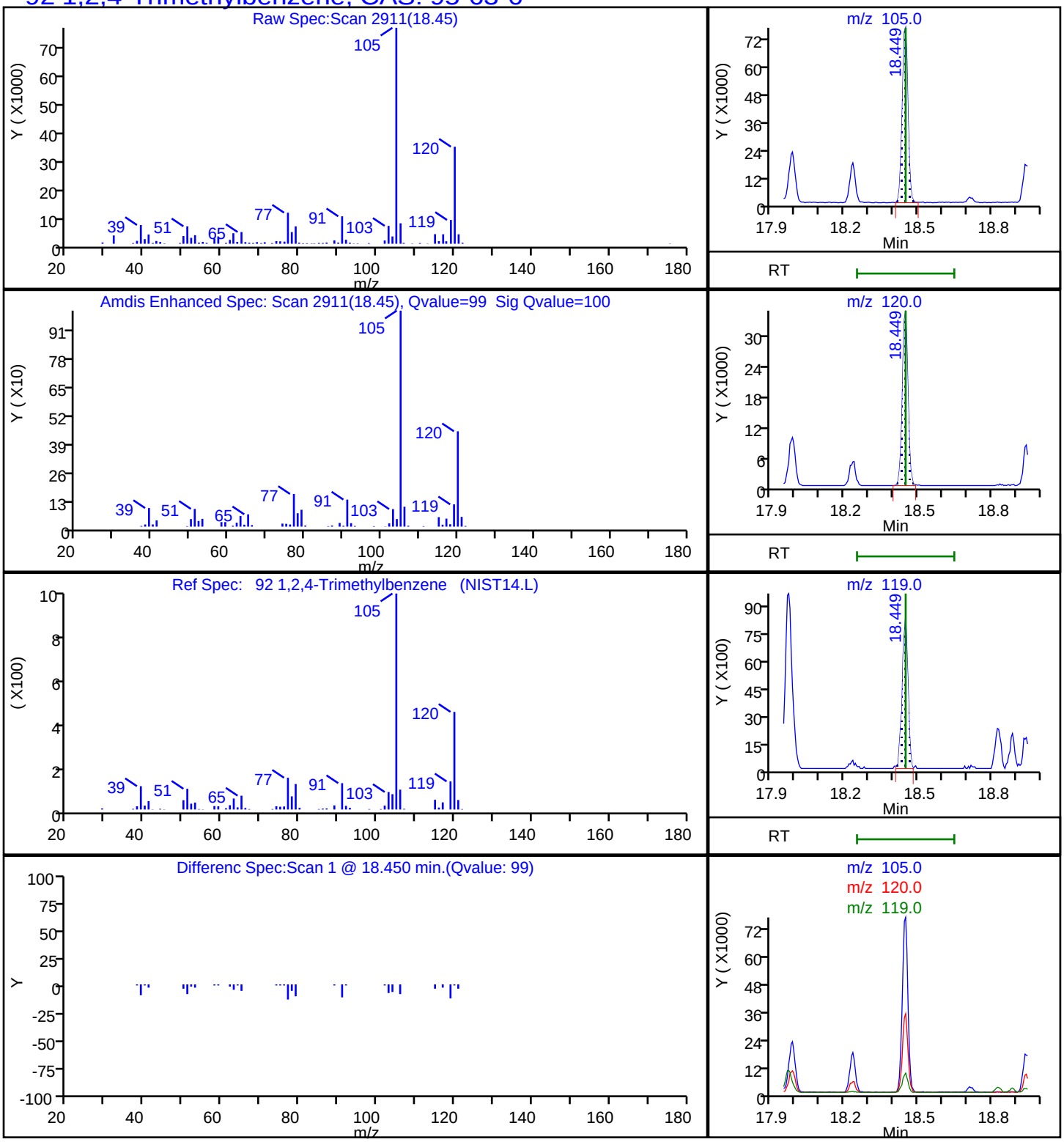
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Lims ID:	140-19327-A-4				
Client ID:	OFFSITE DDC MID-1				
Sample Type:	Client				
Inject. Date:	12-Jun-2020 13:29:30	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000		
Sample Info:	140-0015720-020				
Misc. Info.:	140-19327-a-4@4.70				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	15-Jun-2020 10:53:37	Calib Date:	16-Apr-2020 18:34:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1051				
First Level Reviewer: khachitpongpanits		Date:	15-Jun-2020 10:53:37		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	4.14	103.49

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D		
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4
Client ID:	OFFSITE DDC MID-1		
Operator ID:	HMT	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

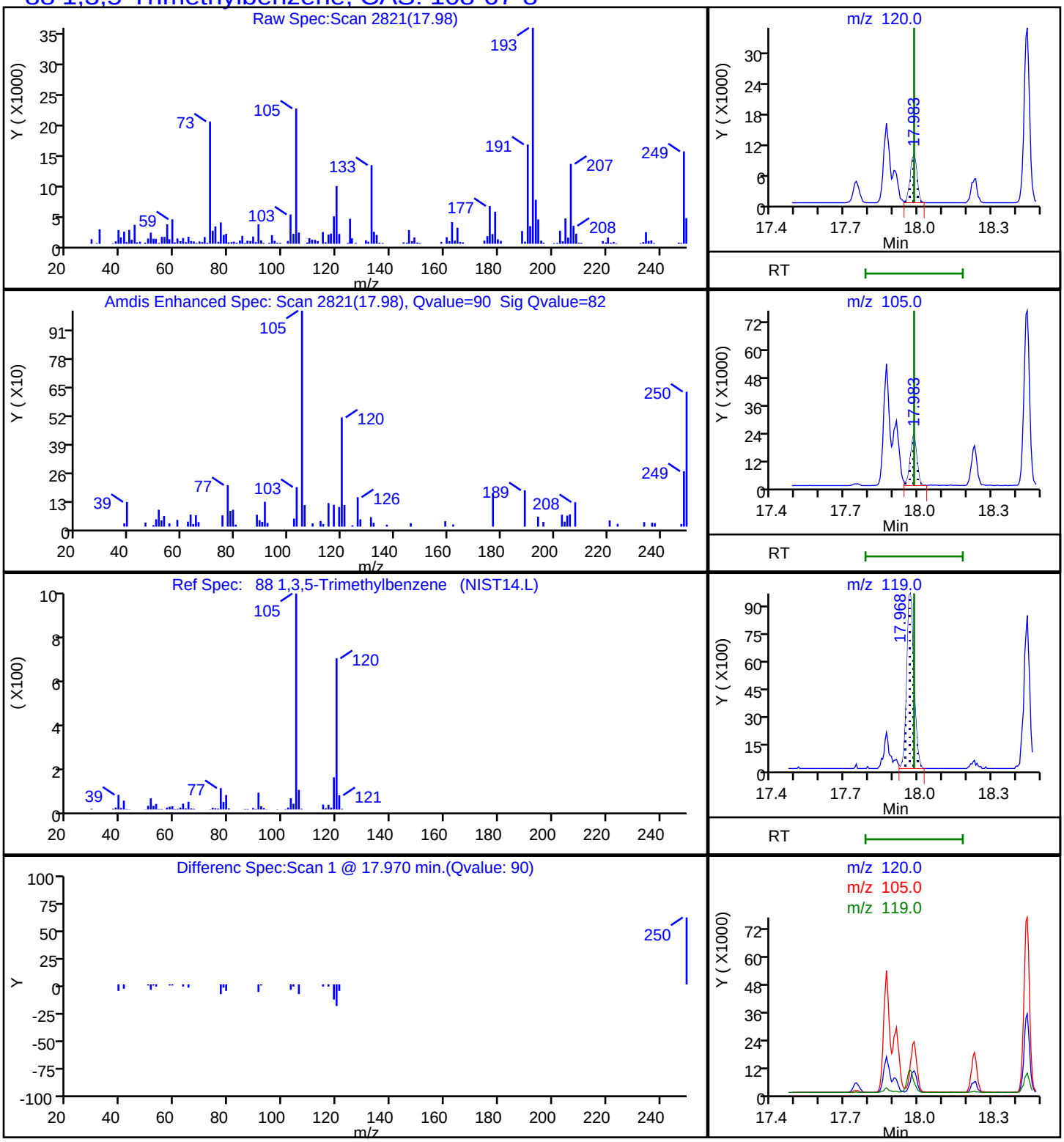
92 1,2,4-Trimethylbenzene, CAS: 95-63-6



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D				
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH		
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4		
Client ID:	OFFSITE DDC MID-1				
Operator ID:	HMT	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000		
Method:	MH_TO15	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



Report Date: 15-Jun-2020 10:53:38 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D

Injection Date: 12-Jun-2020 13:29:30 Instrument ID: MH

Lims ID: 140-19327-A-4 Lab Sample ID: 140-19327-4

Client ID: OFFSITE DDC MID-1

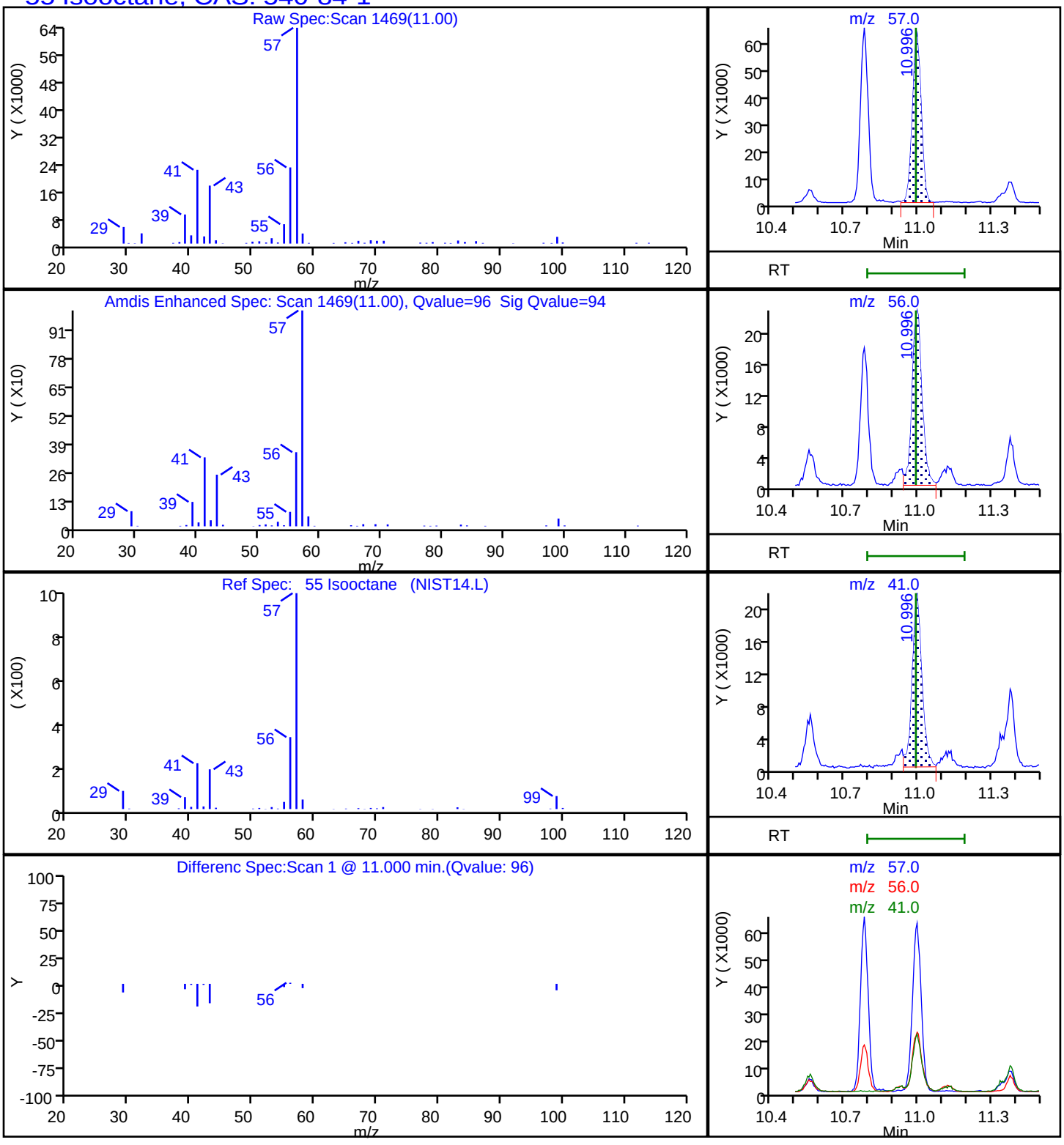
Operator ID: HMT ALS Bottle#: 2 Worklist Smp#: 20

Purge Vol: 500.000 mL Dil. Factor: 4.7000

Method: MH_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

55 Isooctane, CAS: 540-84-1

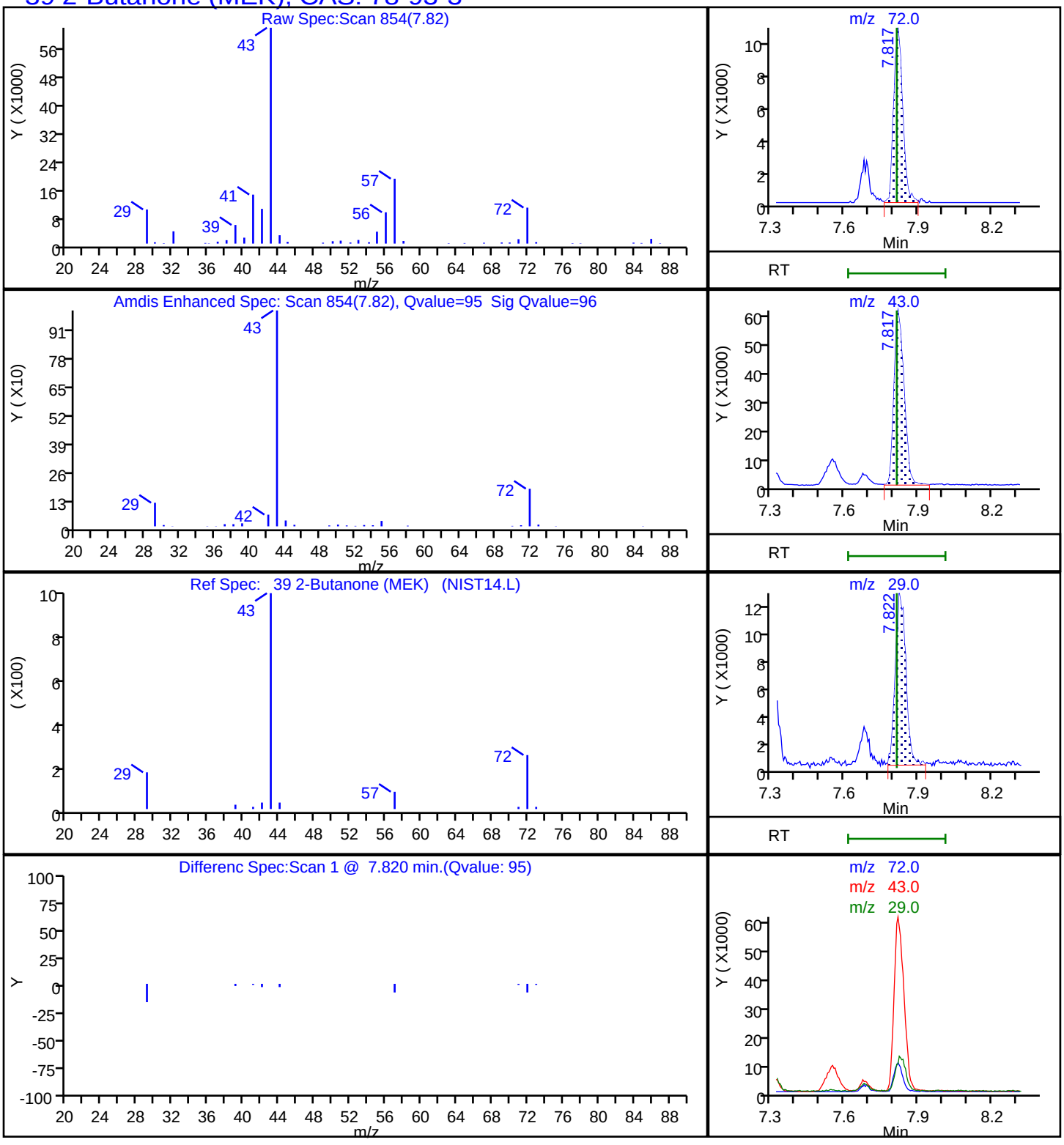


Report Date: 15-Jun-2020 10:53:38 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D				
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH		
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4		
Client ID:	OFFSITE DDC MID-1				
Operator ID:	HMT	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000		
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

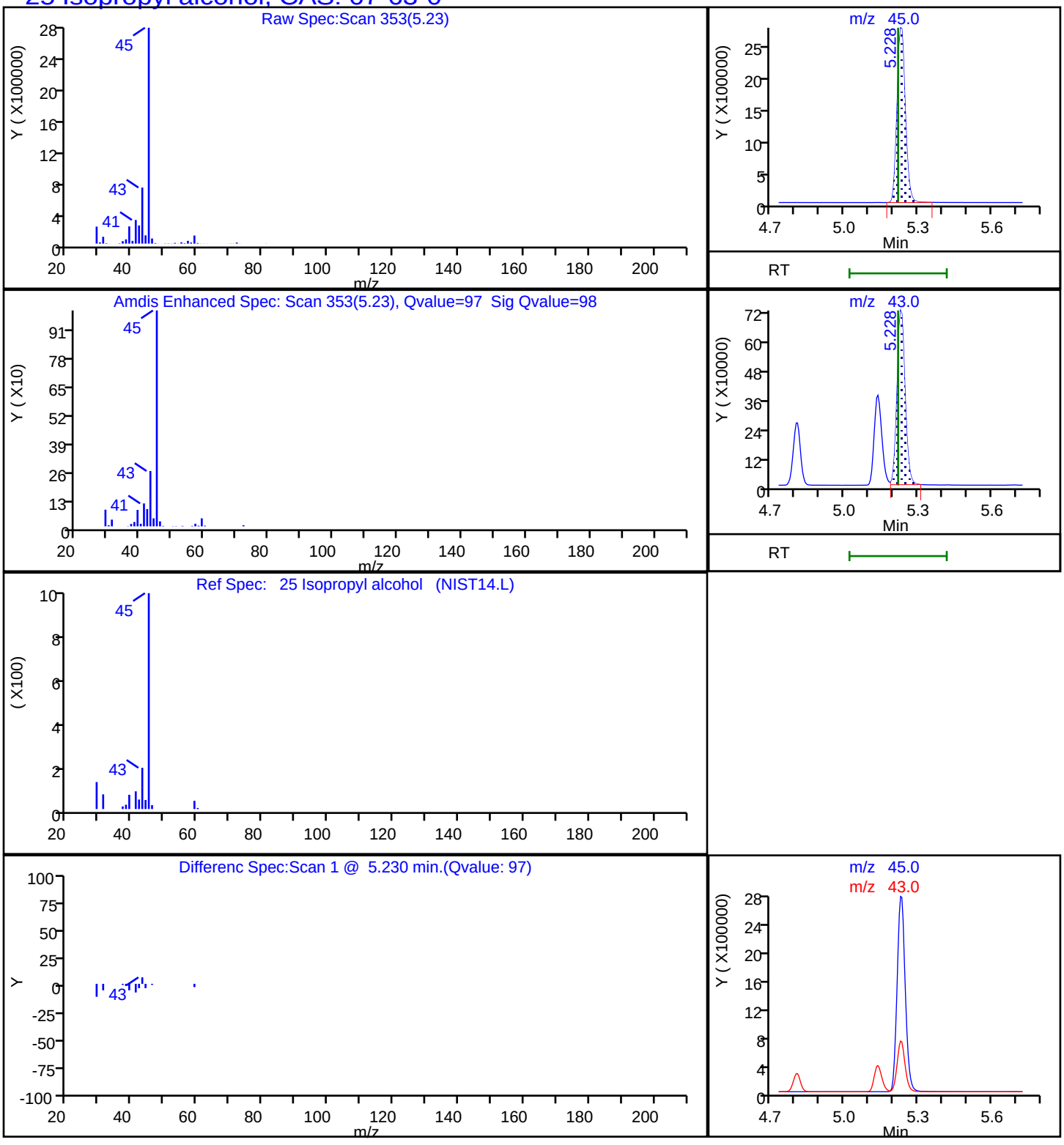
39 2-Butanone (MEK), CAS: 78-93-3



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D		
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4
Client ID:	OFFSITE DDC MID-1		
Operator ID:	HMT	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

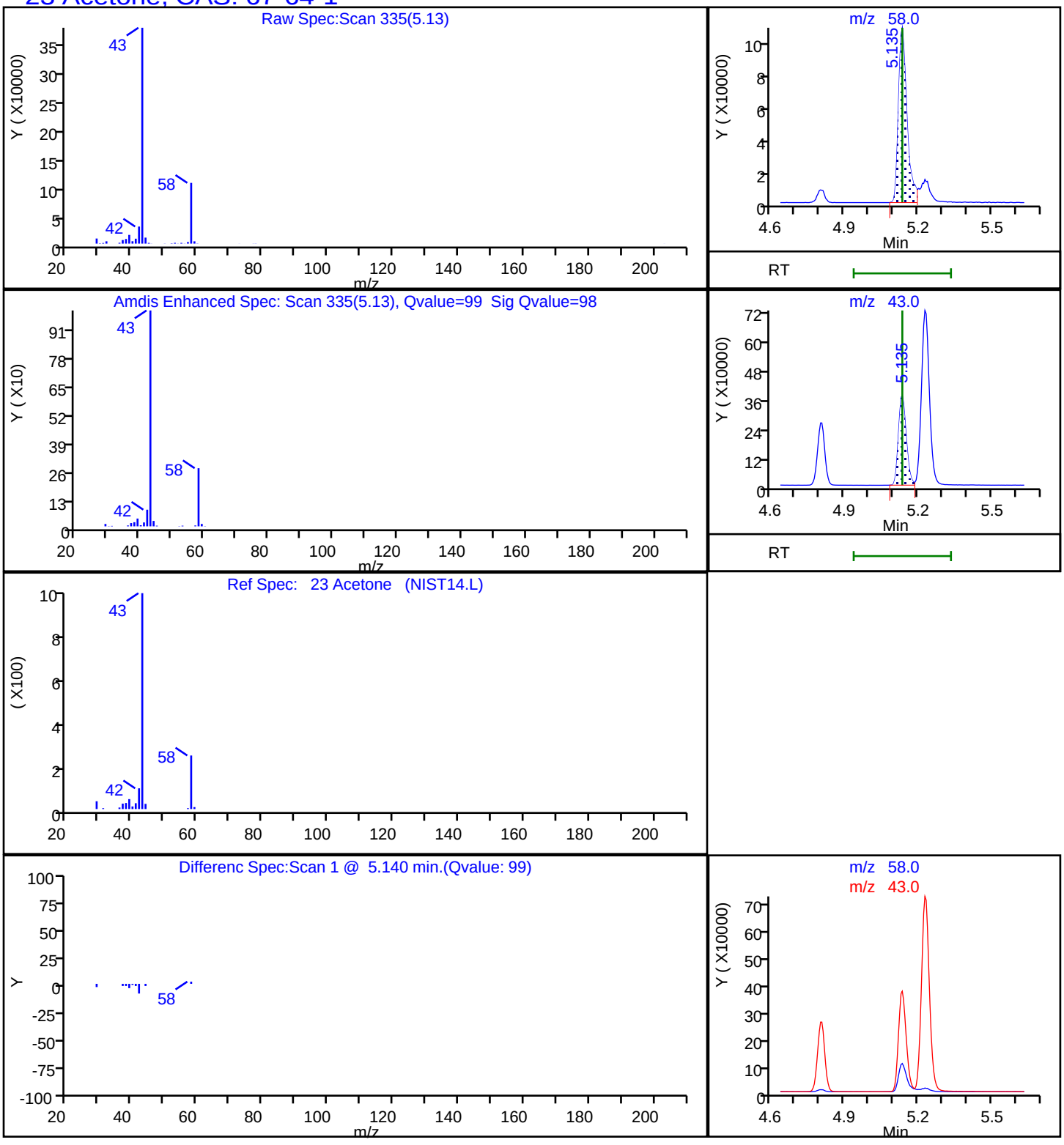
25 Isopropyl alcohol, CAS: 67-63-0



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D		
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4
Client ID:	OFFSITE DDC MID-1		
Operator ID:	HMT	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000
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: 15-Jun-2020 10:53:38 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D

Injection Date: 12-Jun-2020 13:29:30 Instrument ID: MH

Lims ID: 140-19327-A-4 Lab Sample ID: 140-19327-4

Client ID: OFFSITE DDC MID-1

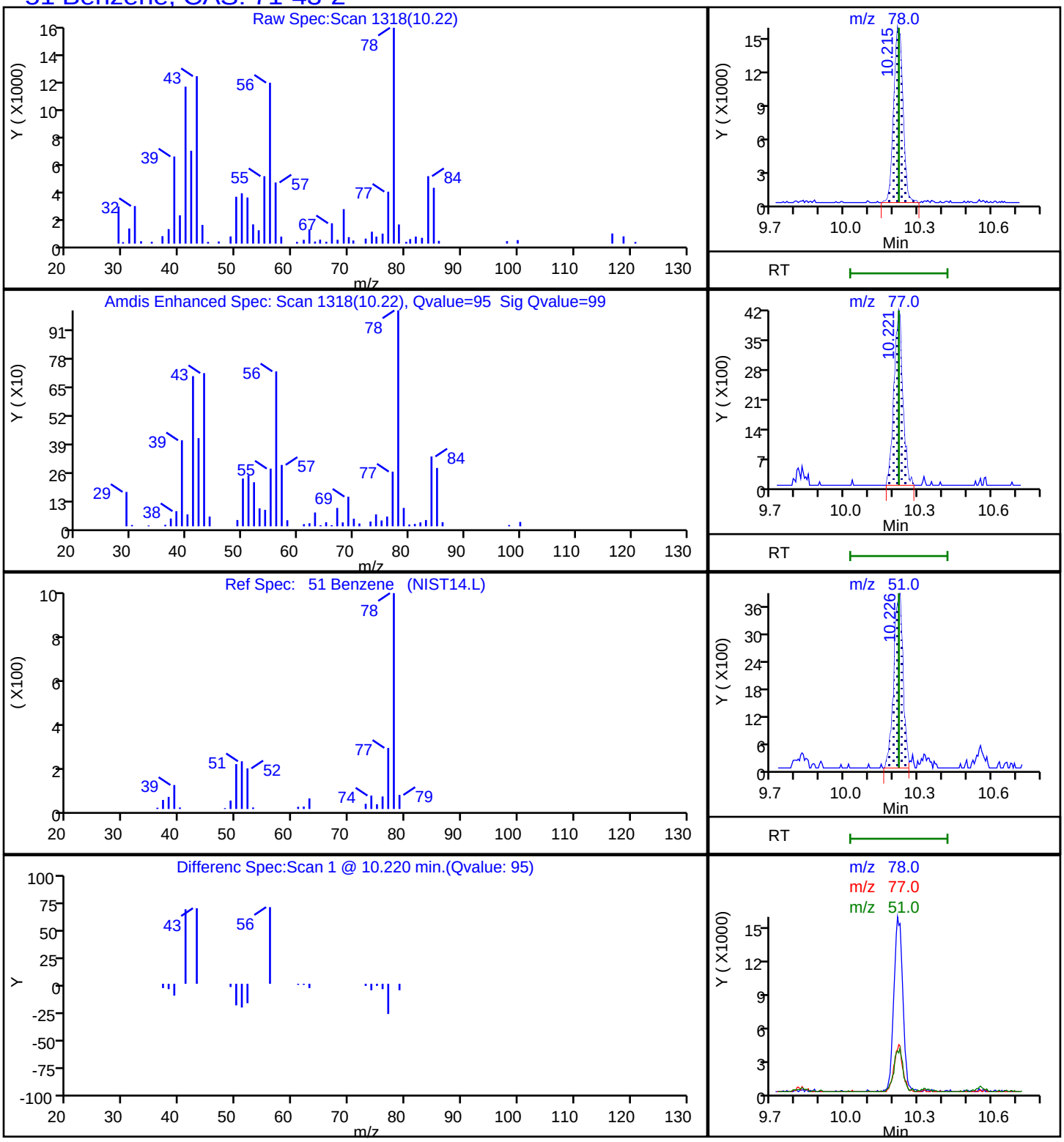
Operator ID: HMT ALS Bottle#: 2 Worklist Smp#: 20

Purge Vol: 500.000 mL Dil. Factor: 4.7000

Method: MH_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

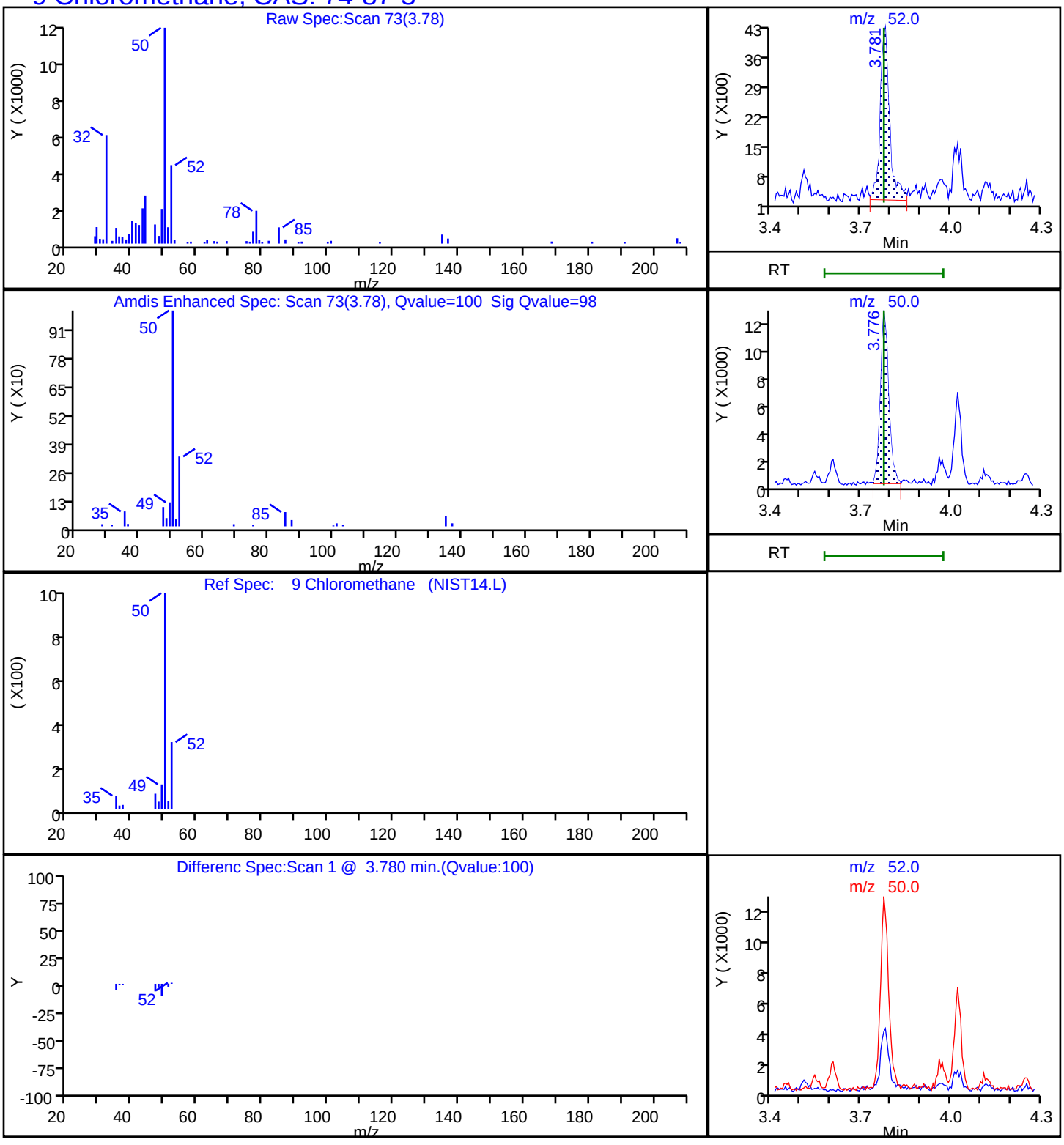
51 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D		
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4
Client ID:	OFFSITE DDC MID-1		
Operator ID:	HMT	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

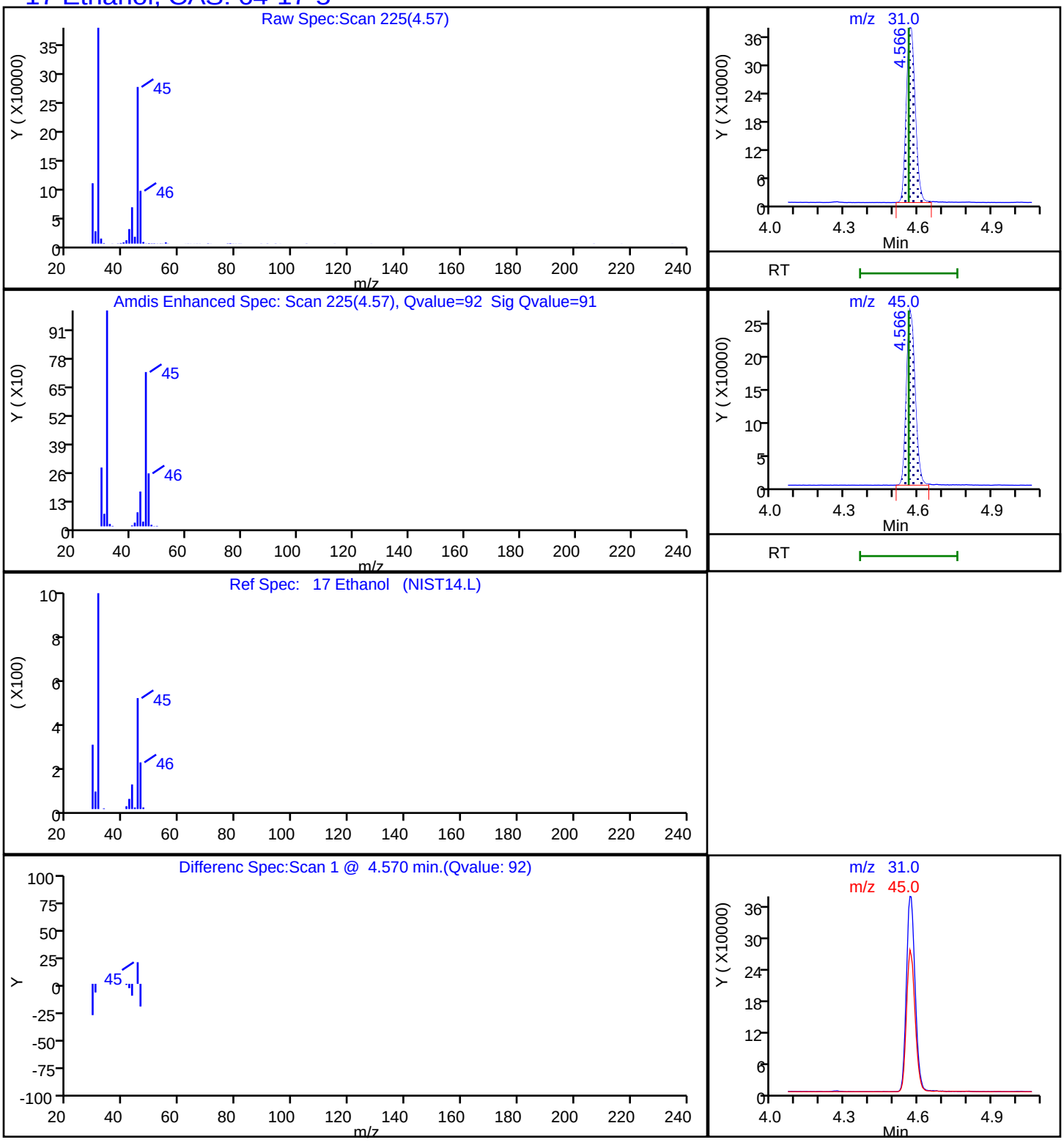
9 Chloromethane, CAS: 74-87-3



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D		
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4
Client ID:	OFFSITE DDC MID-1		
Operator ID:	HMT	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

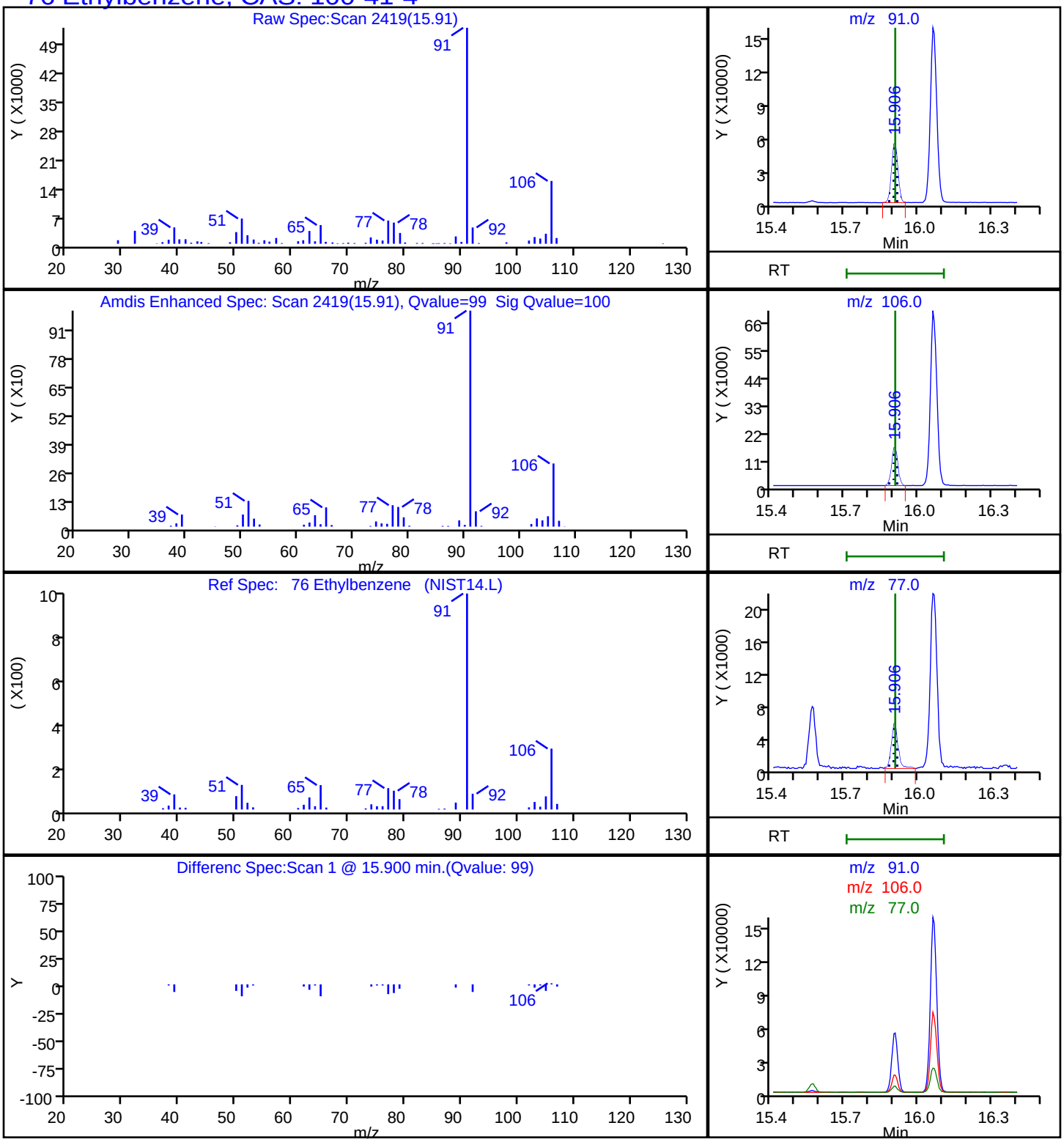
17 Ethanol, CAS: 64-17-5



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D		
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4
Client ID:	OFFSITE DDC MID-1		
Operator ID:	HMT	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

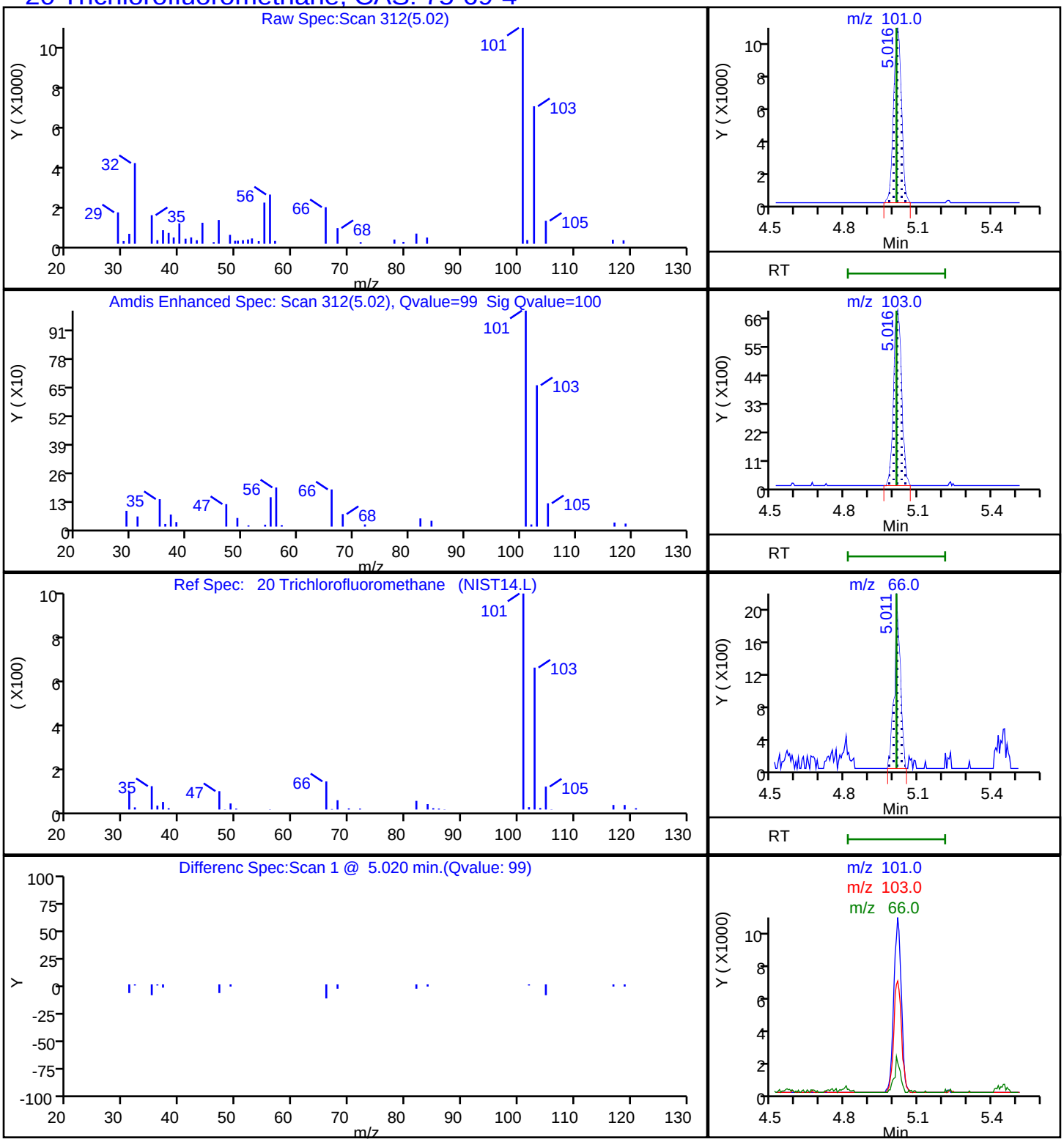
76 Ethylbenzene, CAS: 100-41-4



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D		
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4
Client ID:	OFFSITE DDC MID-1		
Operator ID:	HMT	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

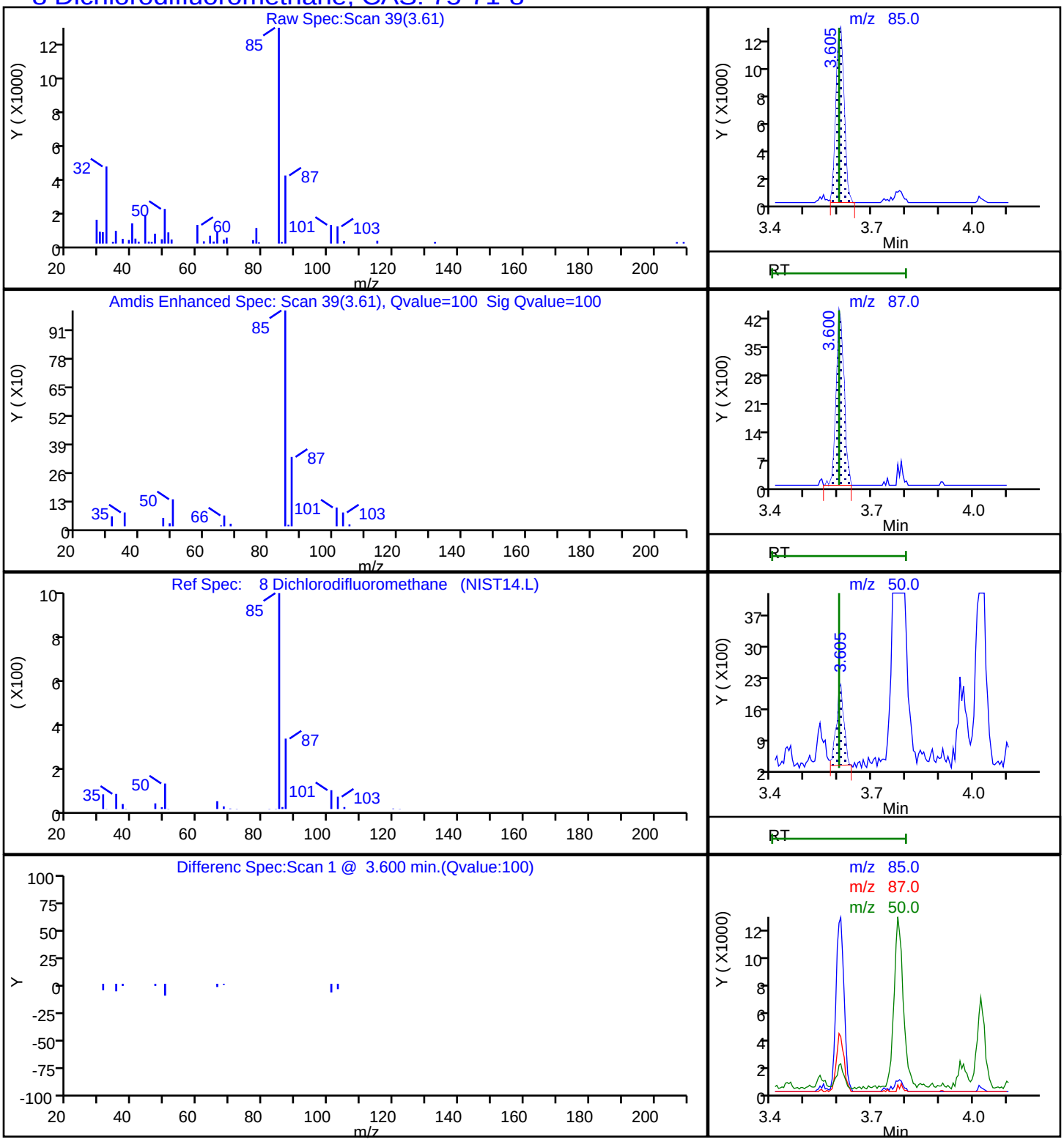
20 Trichlorofluoromethane, CAS: 75-69-4



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D		
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4
Client ID:	OFFSITE DDC MID-1		
Operator ID:	HMT	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000
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

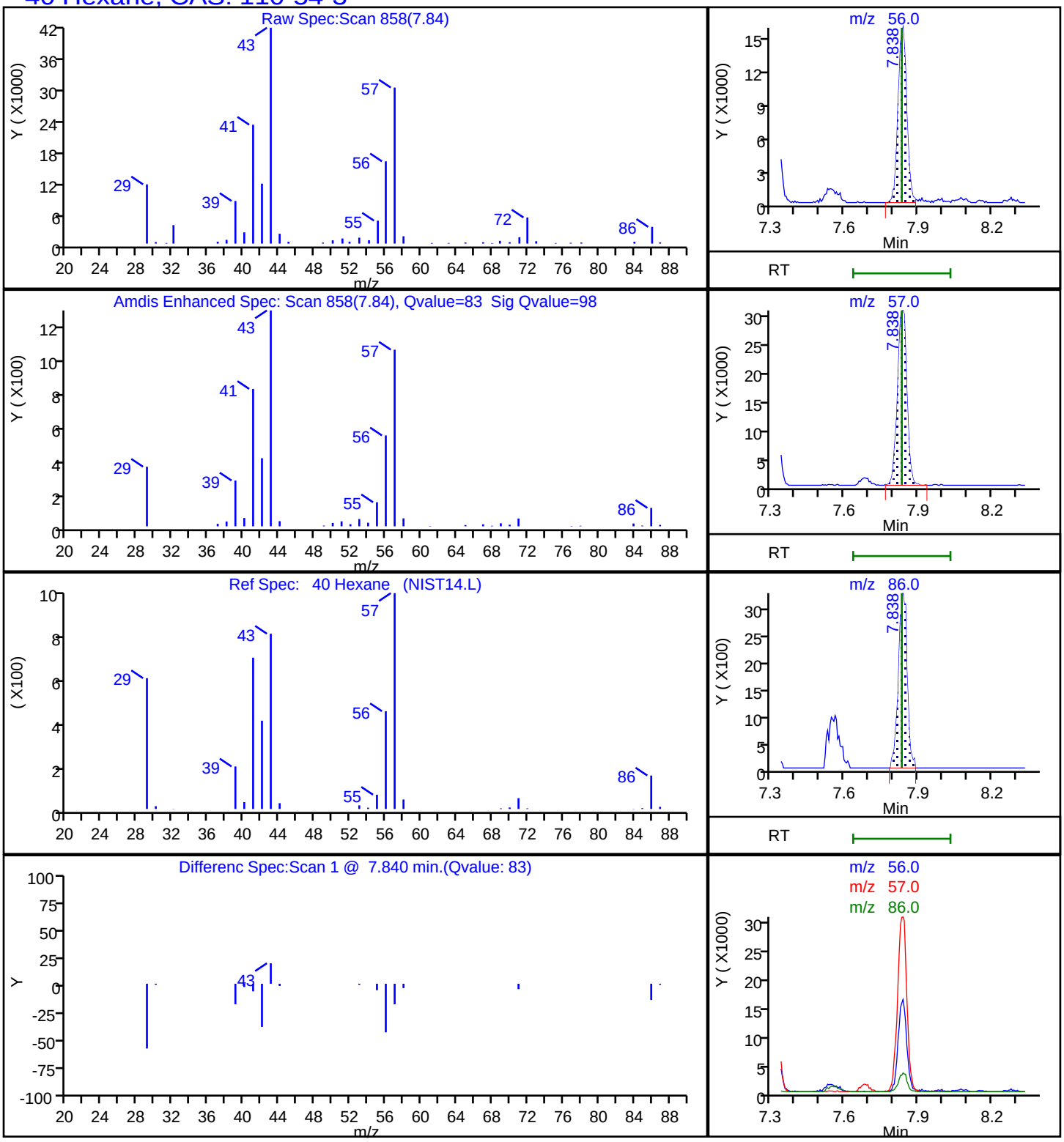


Report Date: 15-Jun-2020 10:53:38 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D		
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4
Client ID:	OFFSITE DDC MID-1		
Operator ID:	HMT	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

40 Hexane, CAS: 110-54-3

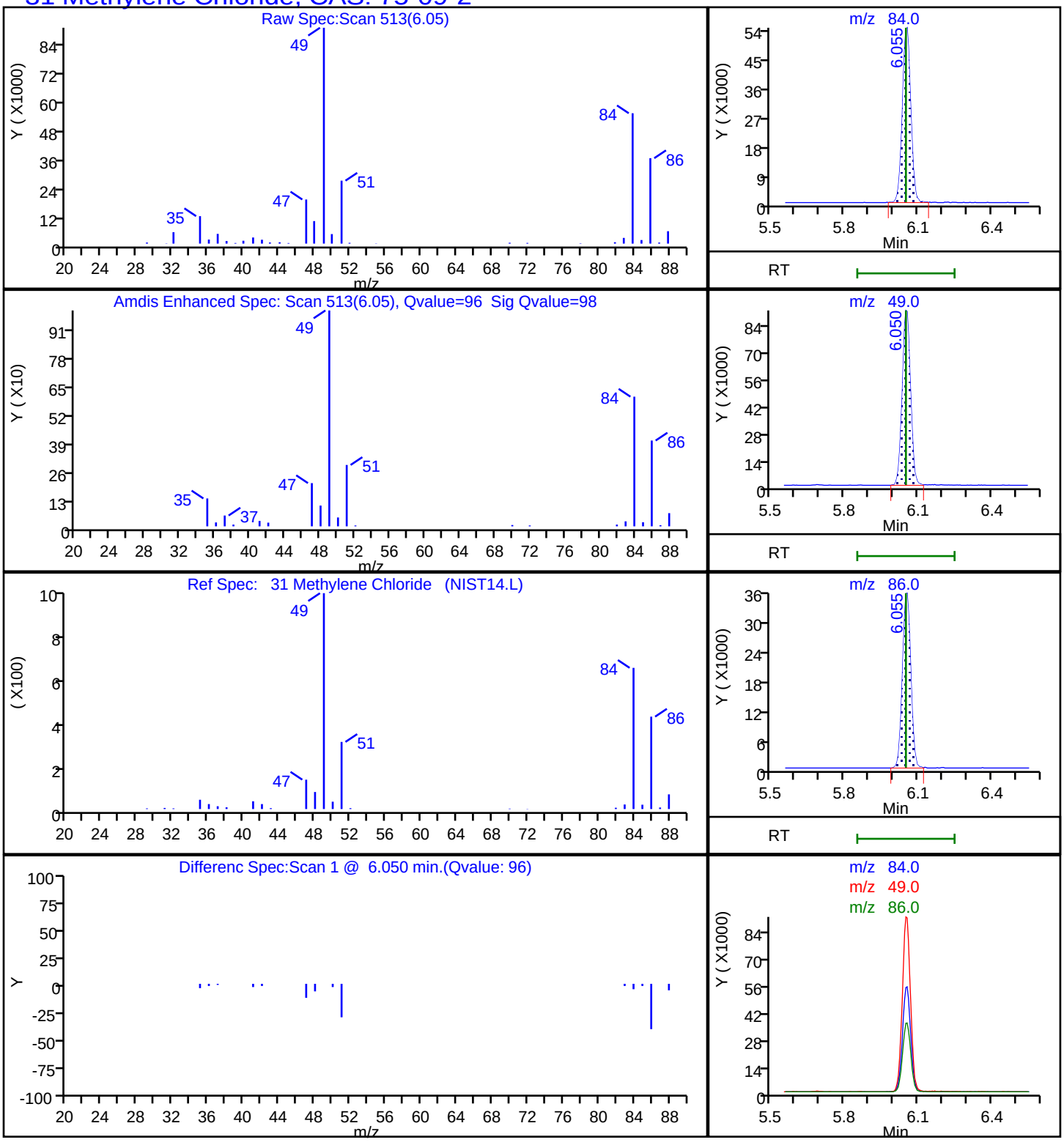


Report Date: 15-Jun-2020 10:53:38 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D		
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4
Client ID:	OFFSITE DDC MID-1		
Operator ID:	HMT	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

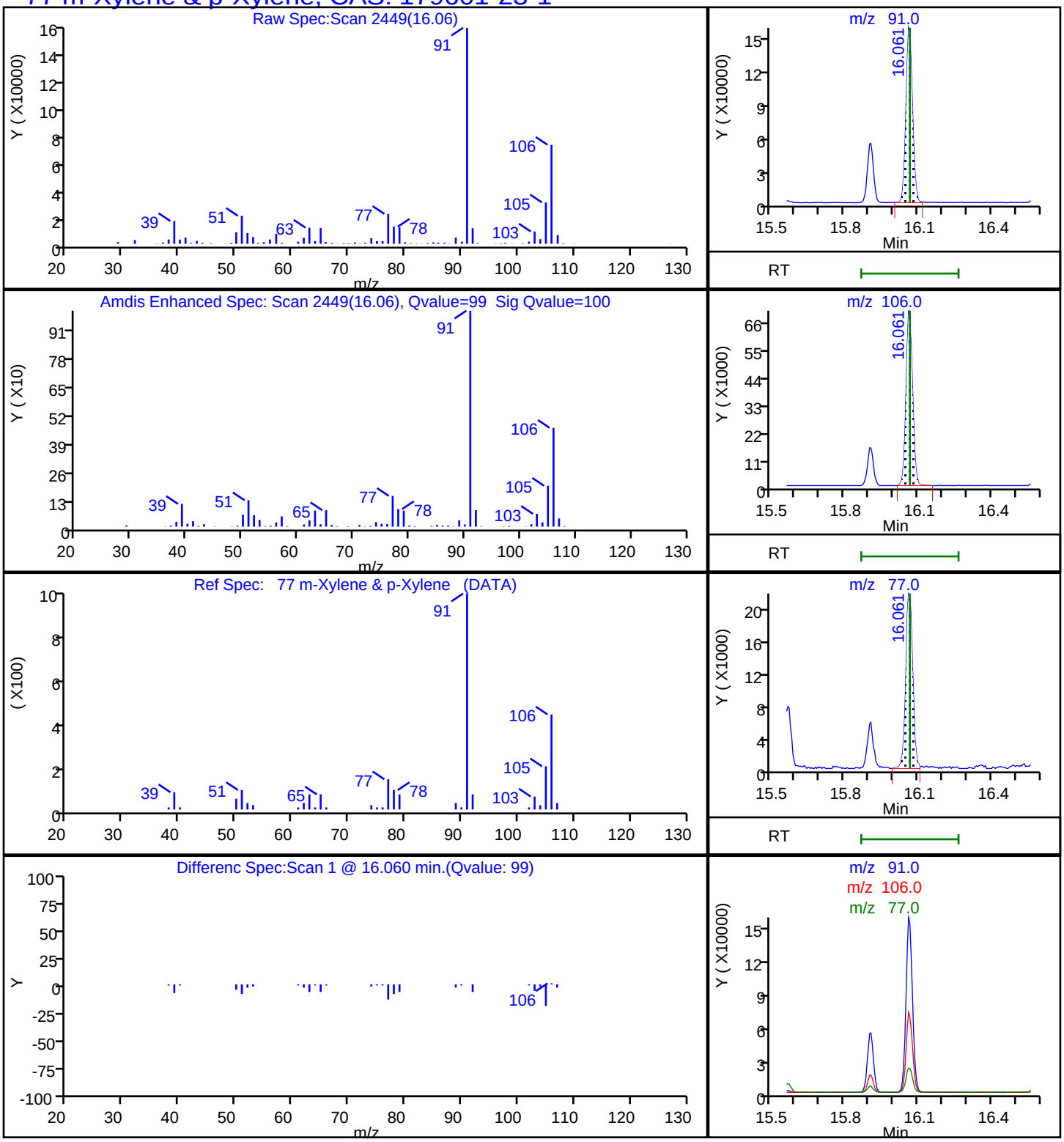
31 Methylene Chloride, CAS: 75-09-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D				
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH		
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4		
Client ID:	OFFSITE DDC MID-1				
Operator ID:	HMT	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000		
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

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

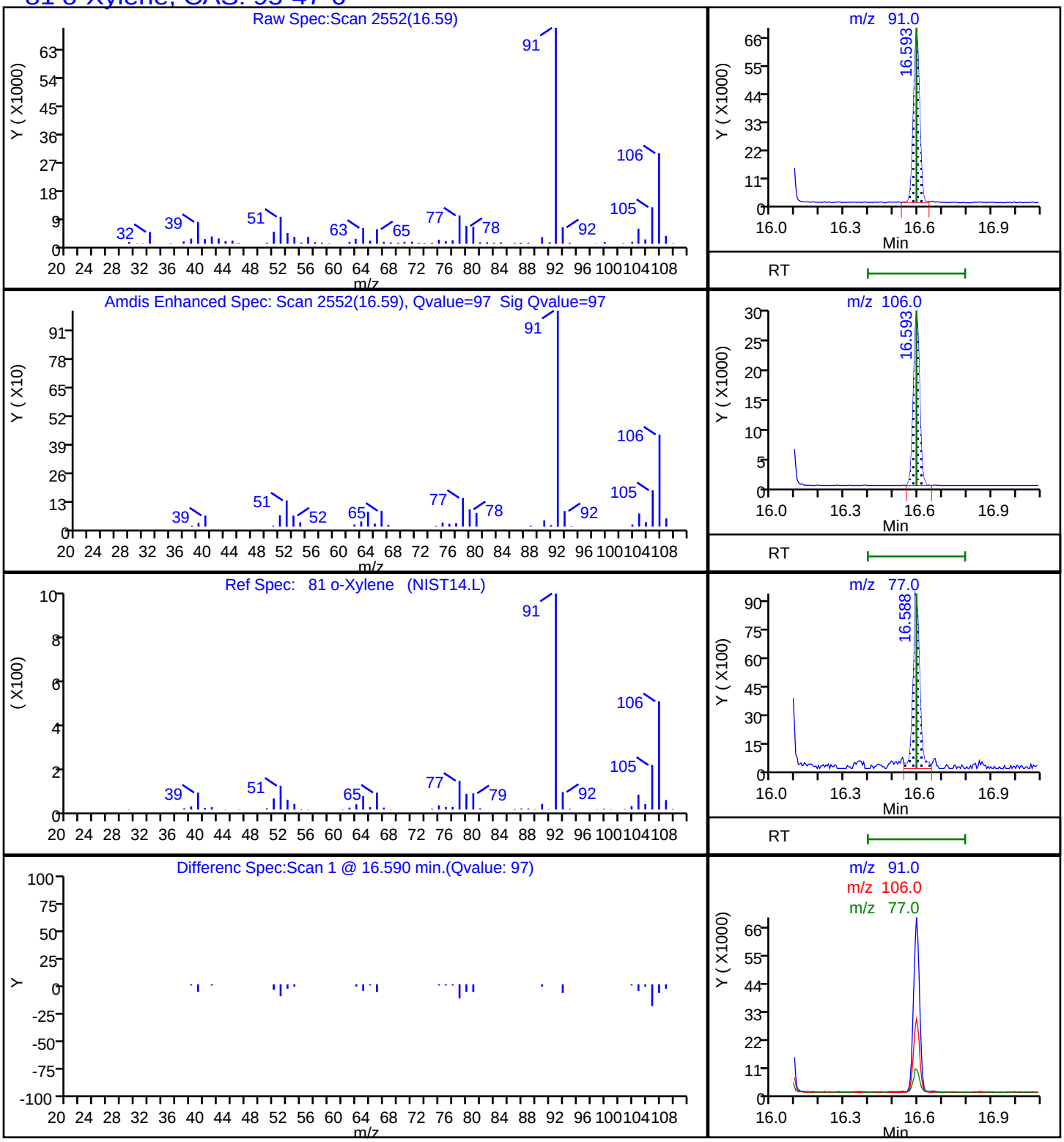


Report Date: 15-Jun-2020 10:53:39 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D		
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4
Client ID:	OFFSITE DDC MID-1		
Operator ID:	HMT	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

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

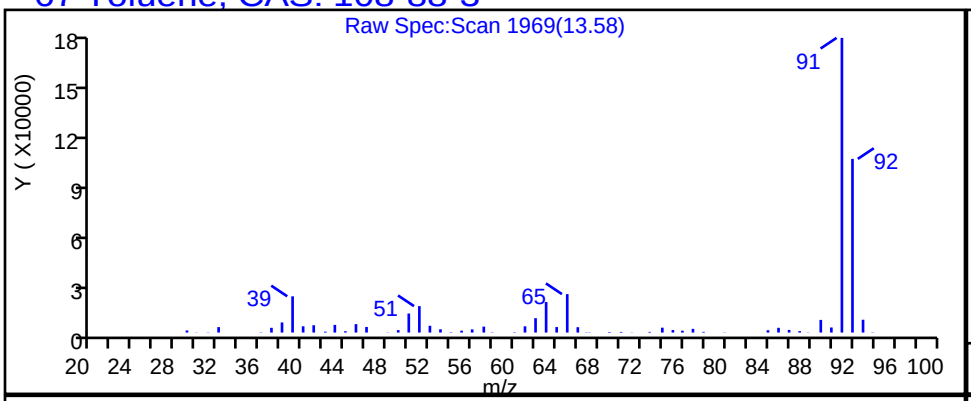


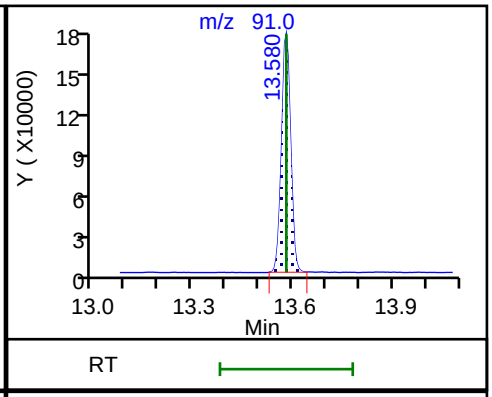
Report Date: 15-Jun-2020 10:53:38 Chrom Revision: 2.3 10-Jun-2020 22:46:48

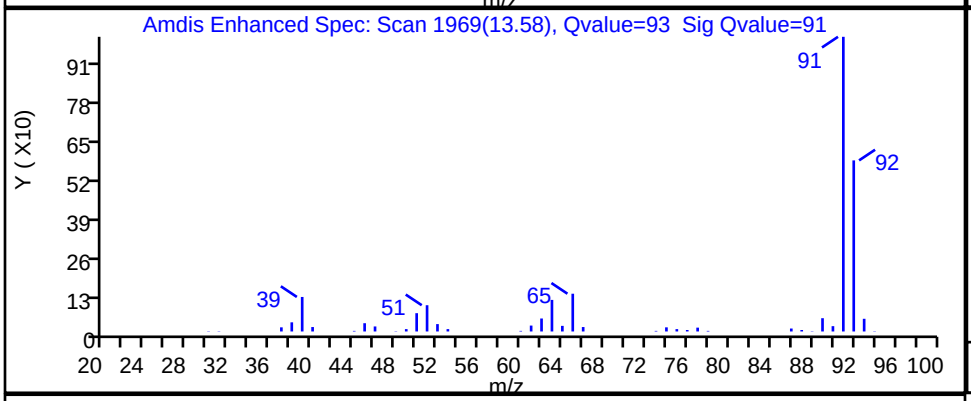
Eurofins TestAmerica, Knoxville

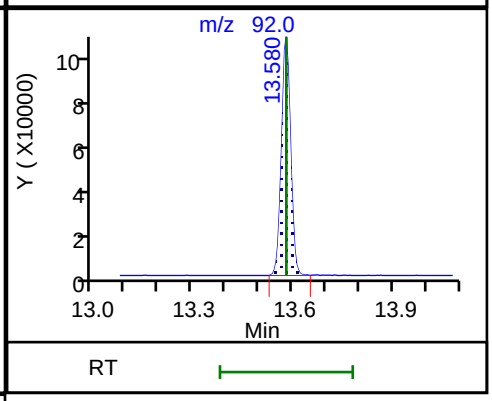
Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D		
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4
Client ID:	OFFSITE DDC MID-1		
Operator ID:	HMT	ALS Bottle#:	2 Worklist Smp#: 20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

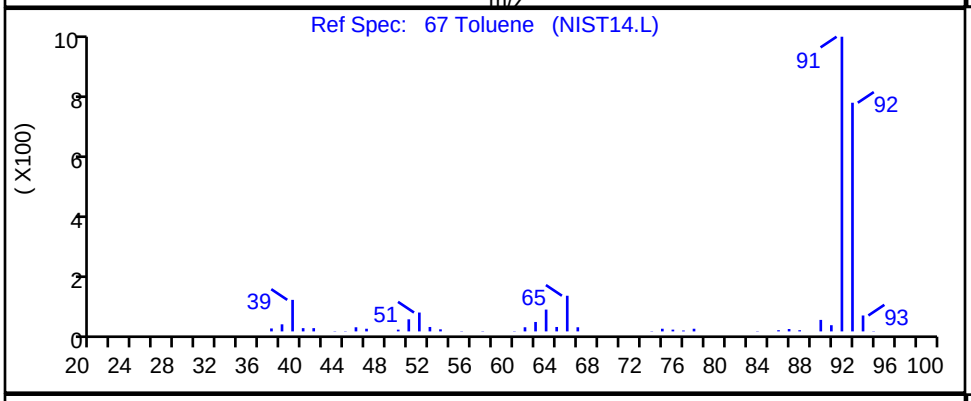
67 Toluene, CAS: 108-88-3

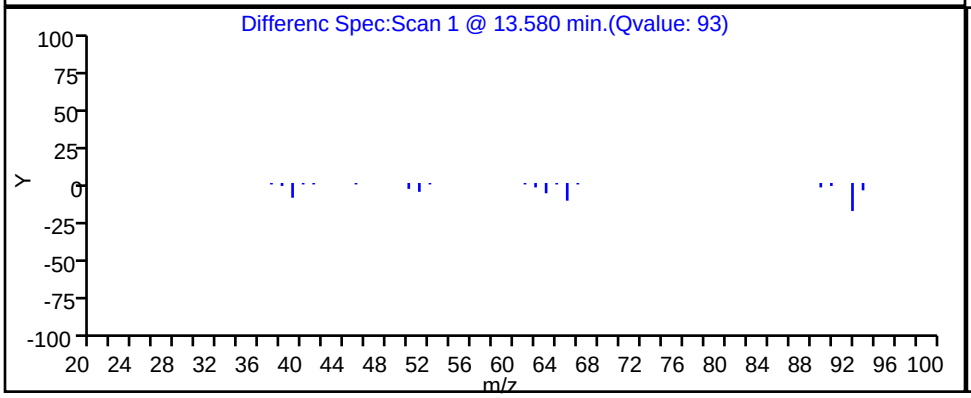


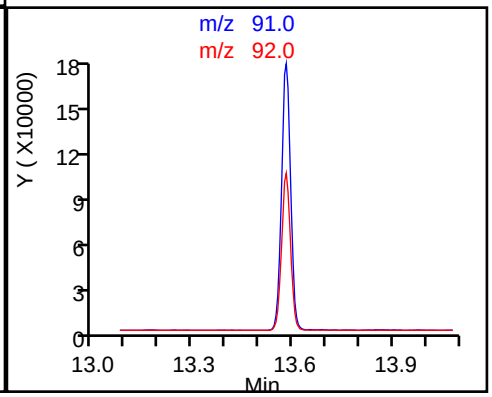












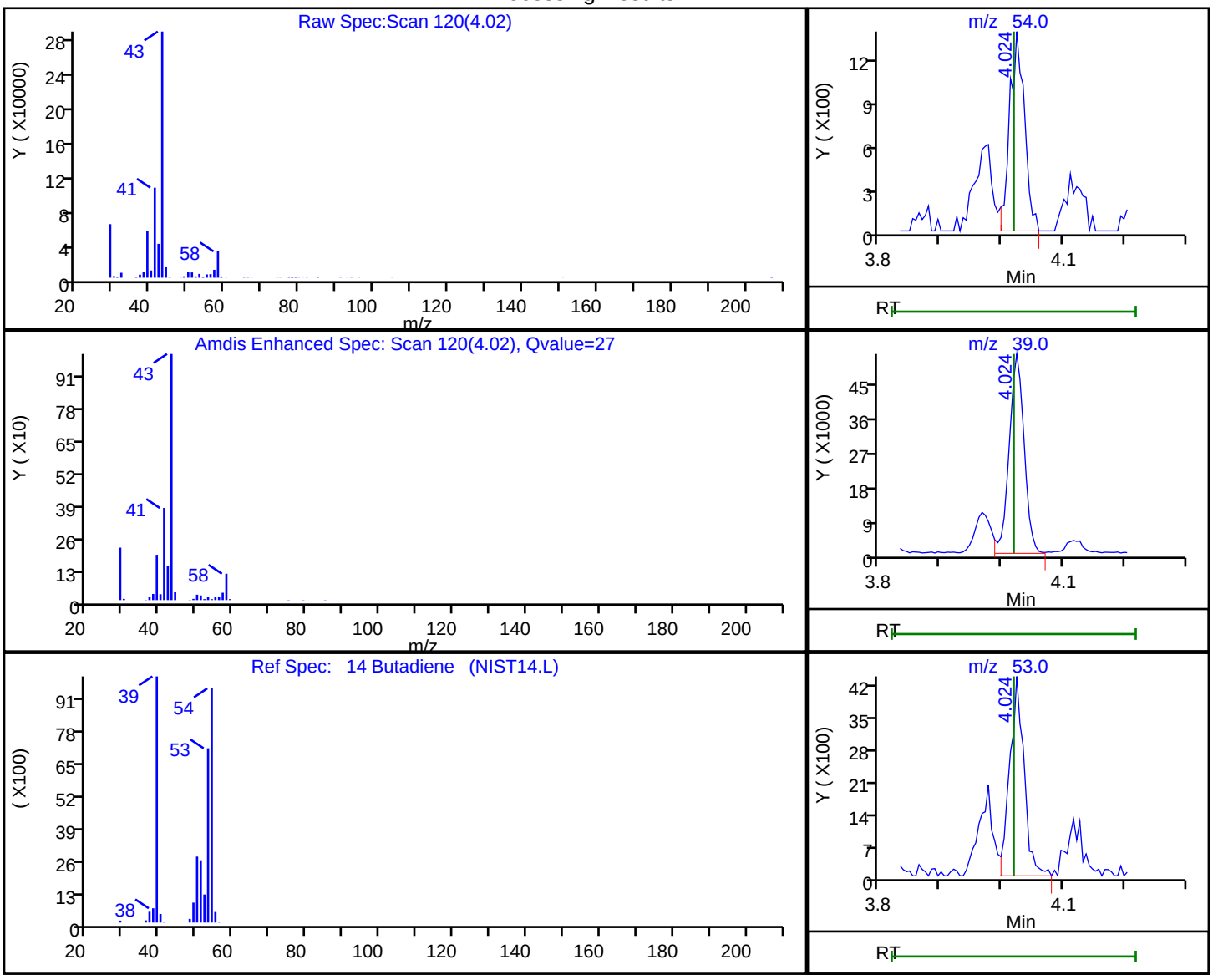
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D				
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH		
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4		
Client ID:	OFFSITE DDC MID-1				
Operator ID:	HMT	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000		
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

14 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
4.02	54.00	2318	0.036546
4.02	39.00	90111	
4.02	53.00	7125	

Reviewer: khachitpongpanits, 15-Jun-2020 10:50:52

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

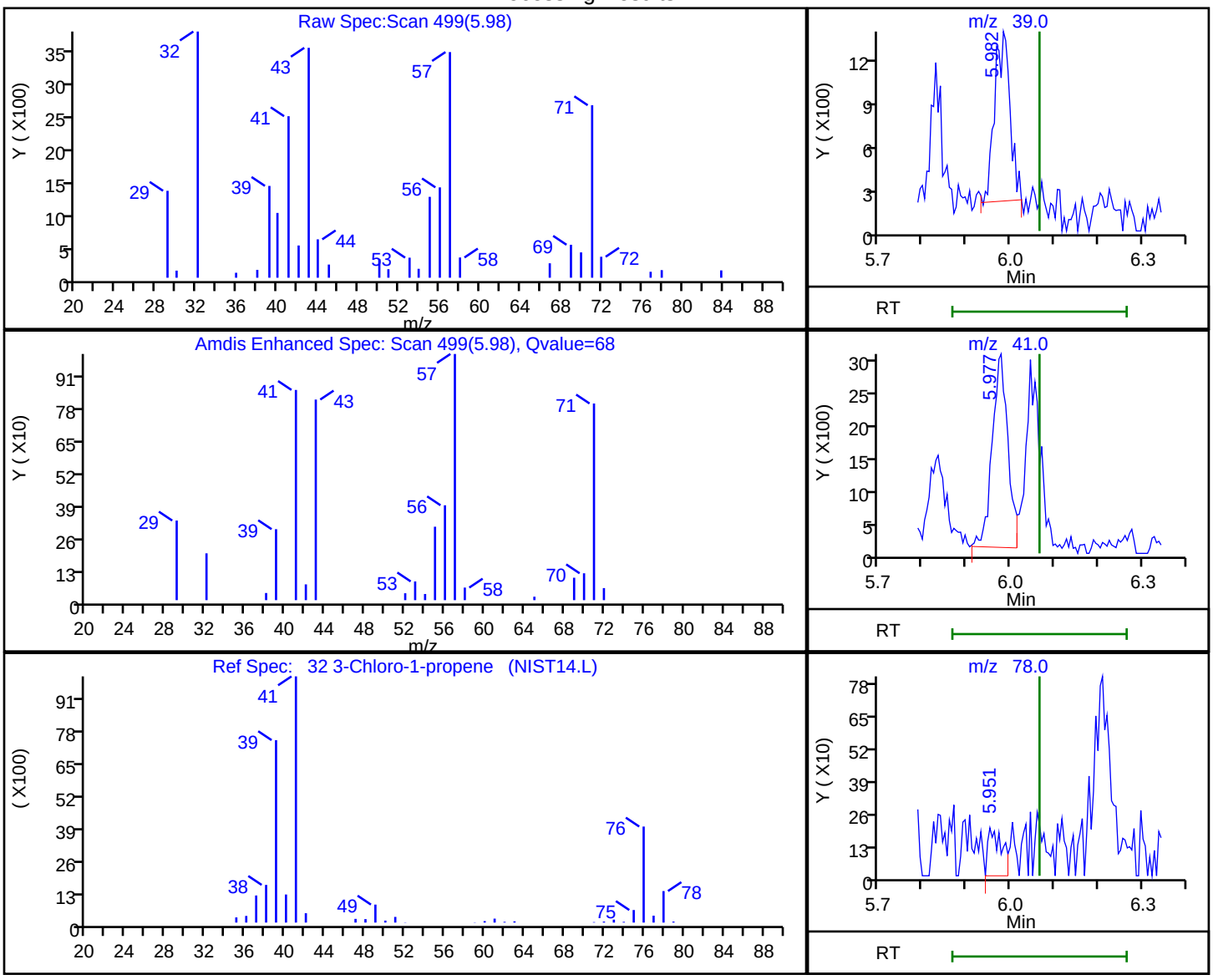
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D				
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH		
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4		
Client ID:	OFFSITE DDC MID-1				
Operator ID:	HMT	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000		
Method:	MH_TO15	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
5.98	39.00	2881	0.043533
5.98	41.00	7276	
5.95	78.00	422	

Reviewer: khachitpongpanits, 15-Jun-2020 10:51:58

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

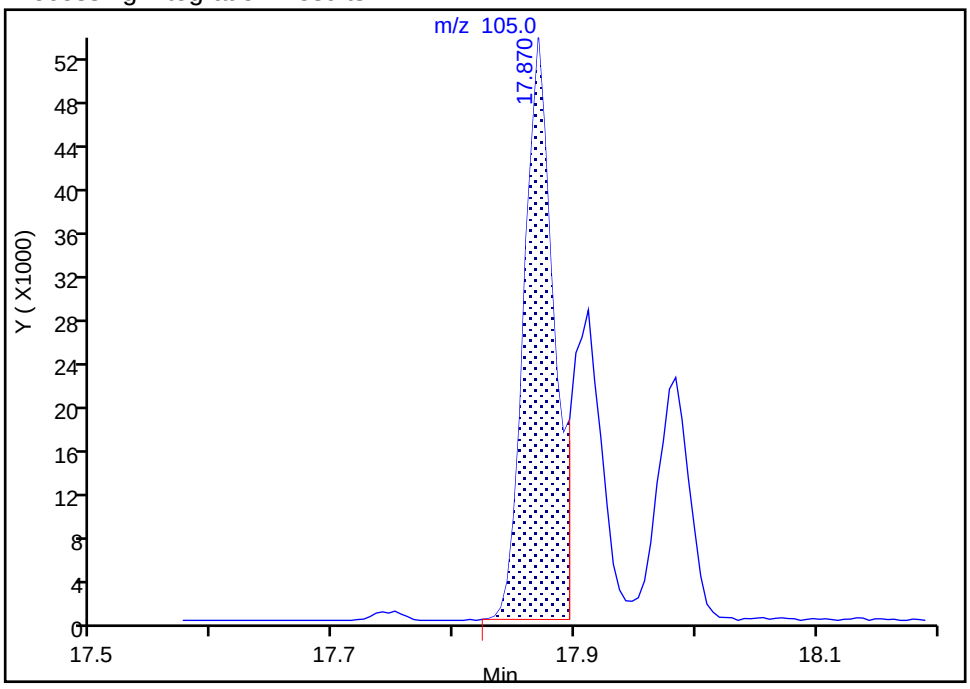
Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D				
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH		
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4		
Client ID:	OFFSITE DDC MID-1				
Operator ID:	HMT	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000		
Method:	MH_TO15	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

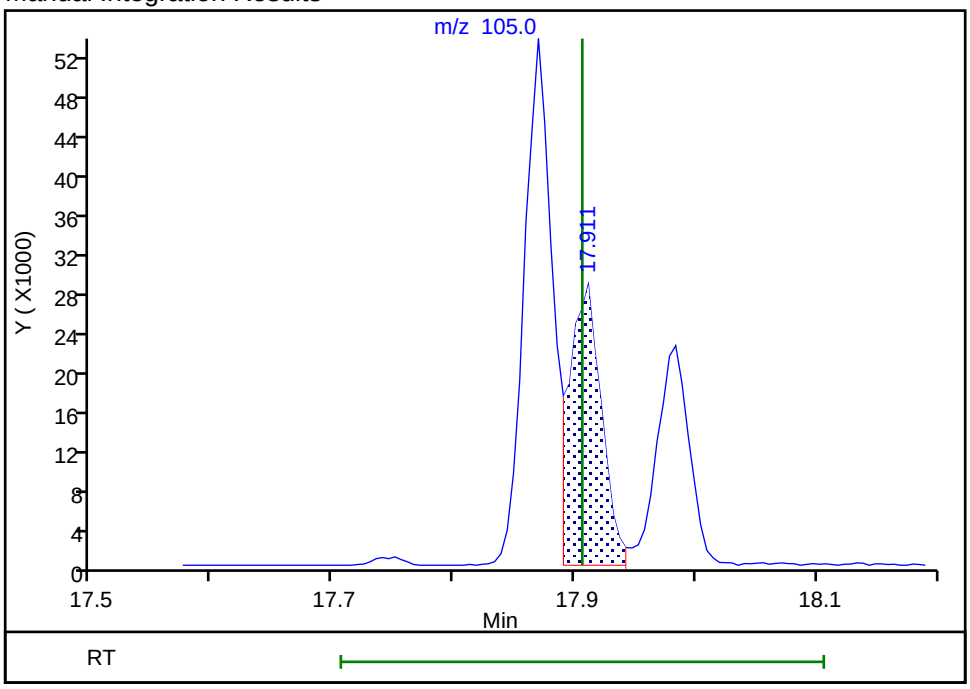
Processing Integration Results

RT: 17.87
Area: 93252
Amount: 0.240955
Amount Units: ppb v/v



Manual Integration Results

RT: 17.91
Area: 53943
Amount: 0.139384
Amount Units: ppb v/v



Reviewer: khachitpongpanits, 15-Jun-2020 10:53:19

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

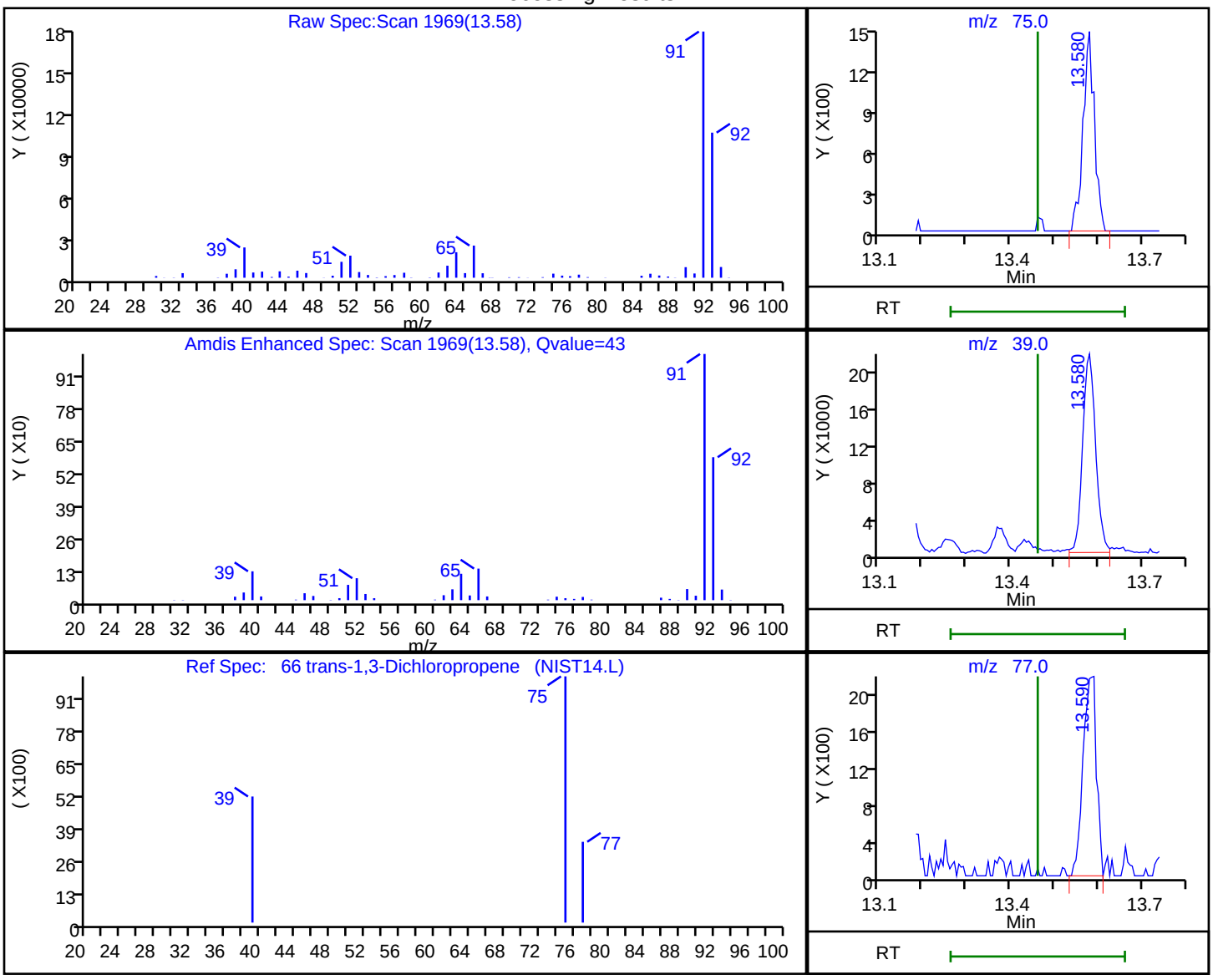
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101R.D				
Injection Date:	12-Jun-2020 13:29:30	Instrument ID:	MH		
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4		
Client ID:	OFFSITE DDC MID-1				
Operator ID:	HMT	ALS Bottle#:	2	Worklist Smp#:	20
Purge Vol:	500.000 mL	Dil. Factor:	4.7000		
Method:	MH_TO15	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
13.58	75.00	2656	0.021856
13.58	39.00	43537	
13.59	77.00	4687	

Reviewer: khachitpongpanits, 15-Jun-2020 10:52:31

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.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC MID-1 DL Lab Sample ID: 140-19327-4 DL

Matrix: Air Lab File ID: HF12P101DL.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:24

Sample wt/vol: 150(mL) Date Analyzed: 06/13/2020 00:12

Soil Aliquot Vol: Dilution Factor: 4.7

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40269 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
67-63-0	2-Propanol	60.10	220	D	13	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC MID-1 DL Lab Sample ID: 140-19327-4 DL

Matrix: Air Lab File ID: HF12P101DL.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:24

Sample wt/vol: 150(mL) Date Analyzed: 06/13/2020 00:12

Soil Aliquot Vol: Dilution Factor: 4.7

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40269 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
67-63-0	2-Propanol	60.10	530	D	31	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101DL.D
Lims ID: 140-19327-A-4
Client ID: OFFSITE DDC MID-1
Sample Type: Client
Inject. Date: 13-Jun-2020 00:12:30 ALS Bottle#: 1 Worklist Smp#: 21
Purge Vol: 500.000 mL Dil. Factor: 4.7000
Sample Info: 140-0015720-021
Misc. Info.: 140-19327-a-4@4.70
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 15-Jun-2020 11:31:21 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1051

First Level Reviewer: khachitpongpanits Date: 15-Jun-2020 11:31:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.577	8.577	0.000	93	122215	4.00	
* 2 1,4-Difluorobenzene	114	10.779	10.779	0.000	96	902853	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.565	15.565	0.000	92	713007	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.213	17.214	-0.001	86	480739	4.02	
8 Dichlorodifluoromethane	85	3.605	3.600	0.005	99	6570	0.0331	
17 Ethanol	31	4.561	4.561	0.000	94	167396	7.68	
20 Trichlorofluoromethane	101	5.021	5.011	0.010	97	4182	0.0235	
23 Acetone	58	5.140	5.135	0.005	99	39886	1.45	
25 Isopropyl alcohol	45	5.223	5.218	0.005	97	1089989	13.9	
31 Methylene Chloride	84	6.050	6.050	0.000	96	54961	0.4101	
33 Carbon disulfide	76	6.210	6.205	0.005	94	2964	0.0166	
39 2-Butanone (MEK)	72	7.828	7.812	0.016	94	3823	0.1469	
40 Hexane	56	7.843	7.833	0.010	67	5010	0.1139	
46 Tetrahydrofuran	42	9.016	8.980	0.036	74	2276	0.0379	
50 Cyclohexane	69	10.221	10.216	0.005	61	471	0.0181	
51 Benzene	78	10.221	10.221	0.000	89	5219	0.0266	
55 Isooctane	57	10.996	10.991	0.005	94	20295	0.0680	
56 n-Heptane	71	11.378	11.384	-0.006	80	1264	0.0229	
67 Toluene	91	13.580	13.580	0.000	91	34338	0.1806	
76 Ethylbenzene	91	15.906	15.906	0.000	99	9036	0.0351	
77 m-Xylene & p-Xylene	91	16.061	16.066	-0.005	96	24854	0.1266	
81 o-Xylene	91	16.598	16.593	0.005	97	9641	0.0474	
88 1,3,5-Trimethylbenzene	120	17.989	17.983	0.005	83	2207	0.0457	
92 1,2,4-Trimethylbenzene	105	18.449	18.448	0.000	97	9405	0.0391	

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

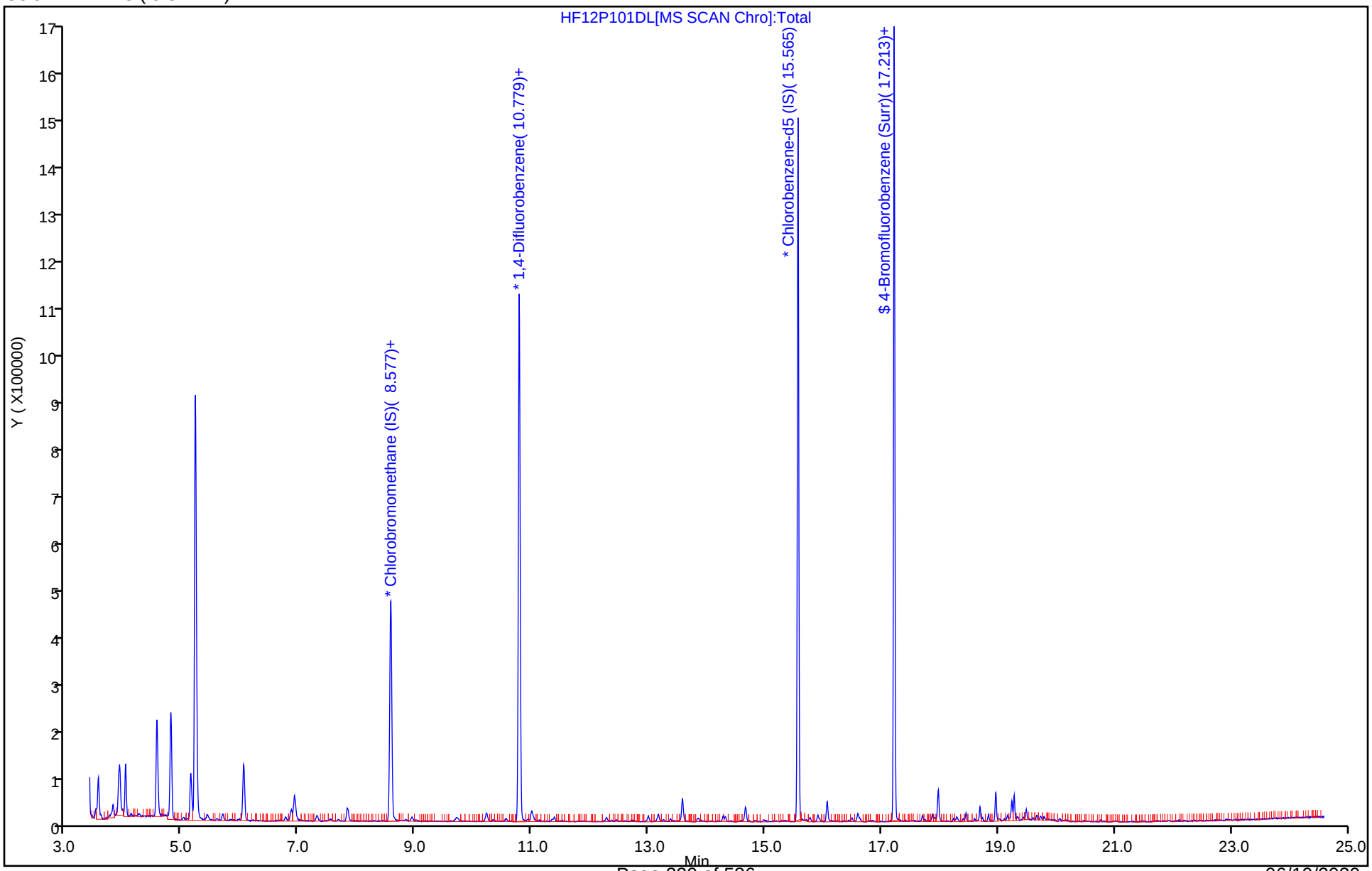
Report Date: 15-Jun-2020 11:31:21 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101DL.D

Injection Date:	13-Jun-2020 00:12:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4	Worklist Smp#:	21
Client ID:	OFFSITE DDC MID-1				
Purge Vol:	500.000 mL	Dil. Factor:	4.7000	ALS Bottle#:	1
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

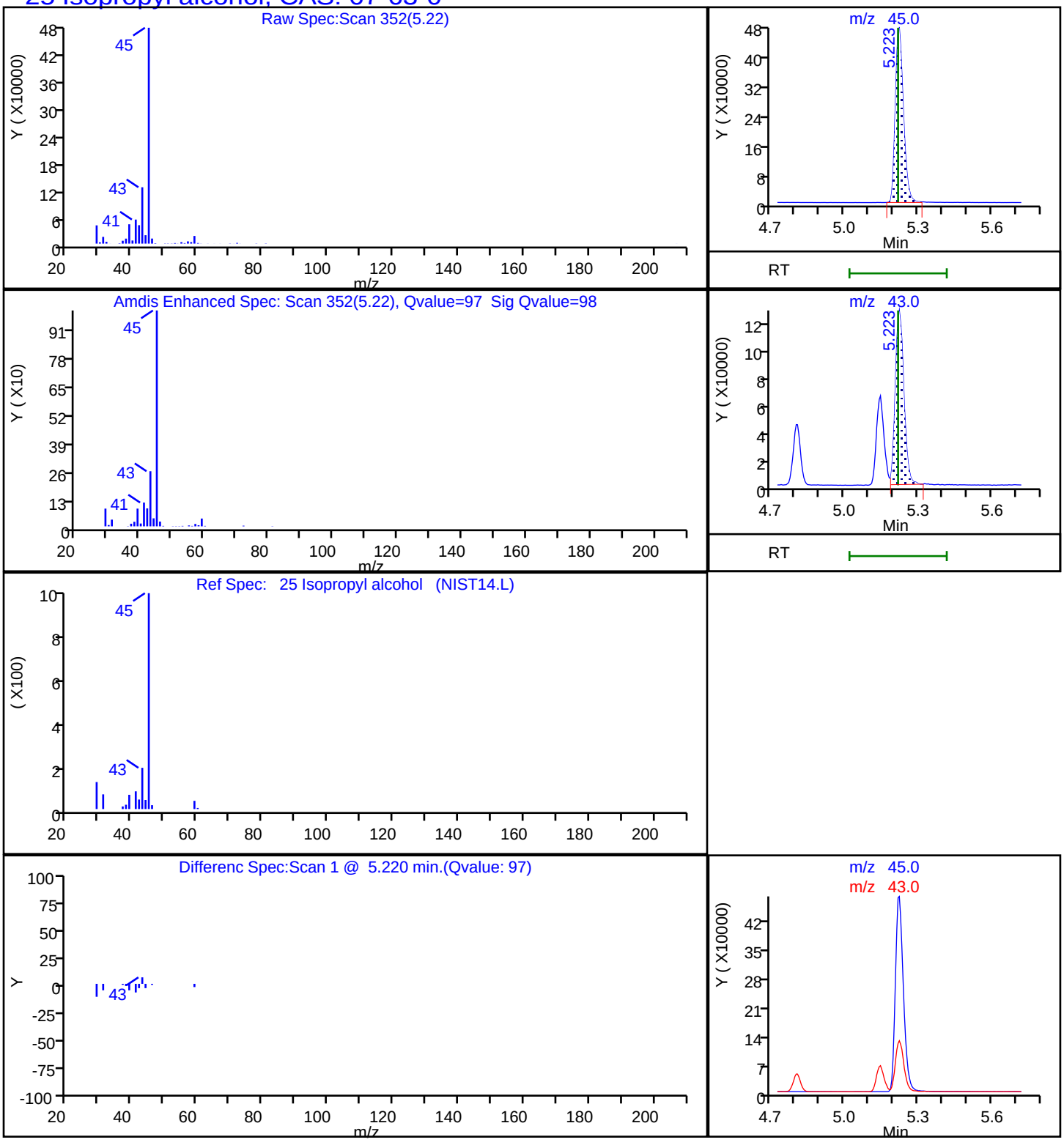
Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101DL.D				
Lims ID:	140-19327-A-4				
Client ID:	OFFSITE DDC MID-1				
Sample Type:	Client				
Inject. Date:	13-Jun-2020 00:12:30	ALS Bottle#:	1	Worklist Smp#:	21
Purge Vol:	500.000 mL	Dil. Factor:	4.7000		
Sample Info:	140-0015720-021				
Misc. Info.:	140-19327-a-4@4.70				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	15-Jun-2020 11:31:21	Calib Date:	16-Apr-2020 18:34:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1051				
First Level Reviewer: khachitpongpanits		Date:	15-Jun-2020 11:31:21		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	4.02	100.47

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HF12P101DL.D		
Injection Date:	13-Jun-2020 00:12:30	Instrument ID:	MH
Lims ID:	140-19327-A-4	Lab Sample ID:	140-19327-4
Client ID:	OFFSITE DDC MID-1		
Operator ID:	HMT	ALS Bottle#:	1 Worklist Smp#: 21
Purge Vol:	500.000 mL	Dil. Factor:	4.7000
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.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC MID-2 Lab Sample ID: 140-19327-5

Matrix: Air Lab File ID: RF11P109.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:27

Sample wt/vol: 100(mL) Date Analyzed: 06/11/2020 23:53

Soil Aliquot Vol: Dilution Factor: 2.06

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40256 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.82	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.82	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.82	
75-34-3	1,1-Dichloroethane	98.96	ND		0.82	
75-35-4	1,1-Dichloroethene	96.94	0.41		0.41	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.82	
95-63-6	1,2,4-Trimethylbenzene	120.20	7.2		0.82	
106-93-4	1,2-Dibromoethane	187.87	ND		0.82	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.82	
107-06-2	1,2-Dichloroethane	98.96	ND		0.82	
78-87-5	1,2-Dichloropropane	112.99	ND		0.82	
108-67-8	1,3,5-Trimethylbenzene	120.20	2.2		0.82	
106-99-0	1,3-Butadiene	54.09	ND		1.6	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.82	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.82	
123-91-1	1,4-Dioxane	88.11	ND		2.1	
540-84-1	2,2,4-Trimethylpentane	114.23	14		2.1	
78-93-3	2-Butanone	72.11	9.7		3.3	
591-78-6	2-Hexanone	100.20	ND		2.1	
67-63-0	*2-Propanol*	*60.10*	*960*	*E*	*8.2*	
107-05-1	3-Chloropropene	76.53	ND		0.82	
622-96-8	4-Ethyltoluene	120.20	2.0		1.6	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		2.1	
67-64-1	Acetone	58.08	62		21	
100-44-7	alpha-Chlorotoluene	126.58	ND		1.6	
71-43-2	Benzene	78.11	4.9		0.82	
75-27-4	Bromodichloromethane	163.83	ND		0.82	
75-25-2	Bromoform	252.75	ND		0.82	
74-83-9	Bromomethane	94.94	ND		0.82	
75-15-0	Carbon disulfide	76.14	ND		2.1	
56-23-5	Carbon tetrachloride	153.81	ND		0.33	
108-90-7	Chlorobenzene	112.56	ND		0.82	
75-00-3	Chloroethane	64.52	ND		0.82	
67-66-3	Chloroform	119.38	ND		0.82	
74-87-3	Chloromethane	50.49	ND		2.1	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC MID-2 Lab Sample ID: 140-19327-5

Matrix: Air Lab File ID: RF11P109.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:27

Sample wt/vol: 100(mL) Date Analyzed: 06/11/2020 23:53

Soil Aliquot Vol: Dilution Factor: 2.06

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40256 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	2.5		0.41	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.82	
98-82-8	Cumene	120.19	ND		1.6	
110-82-7	Cyclohexane	84.16	6.5		2.1	
124-48-1	Dibromochloromethane	208.29	ND		0.82	
64-17-5	Ethanol	46.07	280		21	
100-41-4	Ethylbenzene	106.17	5.4		0.82	
75-69-4	Freon 11	137.37	ND		0.82	
76-13-1	Freon 113	187.38	ND		0.82	
75-71-8	Freon 12	120.91	ND	*	0.82	
76-14-2	Freon-114	170.92	ND	*	0.82	
142-82-5	Heptane	100.21	8.3		2.1	
87-68-3	Hexachlorobutadiene	260.76	ND		0.82	
110-54-3	Hexane	86.17	16		2.1	
1634-04-4	Methyl tert-butyl ether	88.15	ND		1.6	
75-09-2	Methylene Chloride	84.93	ND		4.1	
179601-23-1	m-Xylene & p-Xylene	106.17	18		0.82	
95-47-6	o-Xylene	106.17	7.0		0.82	
103-65-1	Propylbenzene	120.19	ND		1.6	
100-42-5	Styrene	104.15	ND		0.82	
127-18-4	Tetrachloroethene	165.83	ND		0.82	
109-99-9	Tetrahydrofuran	72.11	5.6		4.1	
108-88-3	Toluene	92.14	27		1.2	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.82	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.82	
79-01-6	Trichloroethene	131.39	ND		0.37	
75-01-4	Vinyl chloride	62.50	0.51		0.41	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC MID-2 Lab Sample ID: 140-19327-5

Matrix: Air Lab File ID: RF11P109.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:27

Sample wt/vol: 100(mL) Date Analyzed: 06/11/2020 23:53

Soil Aliquot Vol: Dilution Factor: 2.06

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40256 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		4.5	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		5.7	
79-00-5	1,1,2-Trichloroethane	133.41	ND		4.5	
75-34-3	1,1-Dichloroethane	98.96	ND		3.3	
75-35-4	1,1-Dichloroethene	96.94	1.6		1.6	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		6.1	
95-63-6	1,2,4-Trimethylbenzene	120.20	36		4.1	
106-93-4	1,2-Dibromoethane	187.87	ND		6.3	
95-50-1	1,2-Dichlorobenzene	147.00	ND		5.0	
107-06-2	1,2-Dichloroethane	98.96	ND		3.3	
78-87-5	1,2-Dichloropropane	112.99	ND		3.8	
108-67-8	1,3,5-Trimethylbenzene	120.20	11		4.1	
106-99-0	1,3-Butadiene	54.09	ND		3.6	
541-73-1	1,3-Dichlorobenzene	147.00	ND		5.0	
106-46-7	1,4-Dichlorobenzene	147.00	ND		5.0	
123-91-1	1,4-Dioxane	88.11	ND		7.4	
540-84-1	2,2,4-Trimethylpentane	114.23	64		9.6	
78-93-3	2-Butanone	72.11	29		9.7	
591-78-6	2-Hexanone	100.20	ND		8.4	
67-63-0	*2-Propanol*	*60.10*	*2400*	*E*	*20*	
107-05-1	3-Chloropropene	76.53	ND		2.6	
622-96-8	4-Ethyltoluene	120.20	9.7		8.1	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		8.4	
67-64-1	Acetone	58.08	150		49	
100-44-7	alpha-Chlorotoluene	126.58	ND		8.5	
71-43-2	Benzene	78.11	16		2.6	
75-27-4	Bromodichloromethane	163.83	ND		5.5	
75-25-2	Bromoform	252.75	ND		8.5	
74-83-9	Bromomethane	94.94	ND		3.2	
75-15-0	Carbon disulfide	76.14	ND		6.4	
56-23-5	Carbon tetrachloride	153.81	ND		2.1	
108-90-7	Chlorobenzene	112.56	ND		3.8	
75-00-3	Chloroethane	64.52	ND		2.2	
67-66-3	Chloroform	119.38	ND		4.0	
74-87-3	Chloromethane	50.49	ND		4.3	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC MID-2 Lab Sample ID: 140-19327-5

Matrix: Air Lab File ID: RF11P109.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:27

Sample wt/vol: 100(mL) Date Analyzed: 06/11/2020 23:53

Soil Aliquot Vol: Dilution Factor: 2.06

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40256 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	9.8		1.6	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		3.7	
98-82-8	Cumene	120.19	ND		8.1	
110-82-7	Cyclohexane	84.16	22		7.1	
124-48-1	Dibromochloromethane	208.29	ND		7.0	
64-17-5	Ethanol	46.07	530		39	
100-41-4	Ethylbenzene	106.17	23		3.6	
75-69-4	Freon 11	137.37	ND		4.6	
76-13-1	Freon 113	187.38	ND		6.3	
75-71-8	Freon 12	120.91	ND	*	4.1	
76-14-2	Freon-114	170.92	ND	*	5.8	
142-82-5	Heptane	100.21	34		8.4	
87-68-3	Hexachlorobutadiene	260.76	ND		8.8	
110-54-3	Hexane	86.17	55		7.3	
1634-04-4	Methyl tert-butyl ether	88.15	ND		5.9	
75-09-2	Methylene Chloride	84.93	ND		14	
179601-23-1	m-Xylene & p-Xylene	106.17	78		3.6	
95-47-6	o-Xylene	106.17	30		3.6	
103-65-1	Propylbenzene	120.19	ND		8.1	
100-42-5	Styrene	104.15	ND		3.5	
127-18-4	Tetrachloroethene	165.83	ND		5.6	
109-99-9	Tetrahydrofuran	72.11	16		12	
108-88-3	Toluene	92.14	100		4.7	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		3.3	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		3.7	
79-01-6	Trichloroethene	131.39	ND		2.0	
75-01-4	Vinyl chloride	62.50	1.3		1.1	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D
Lims ID: 140-19327-A-5
Client ID: OFFSITE DDC MID-2
Sample Type: Client
Inject. Date: 11-Jun-2020 23:53:30 ALS Bottle#: 9 Worklist Smp#: 22
Purge Vol: 500.000 mL Dil. Factor: 2.0600
Sample Info: 140-0015714-022
Misc. Info.: 140-19327-a-5@2.06
Operator ID: HMT Instrument ID: MR

Method: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Jun-2020 12:42:22 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1031

First Level Reviewer: khachitpongpanits Date: 12-Jun-2020 12:43:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.323	8.318	0.005	80	174675	4.00	
* 2 1,4-Difluorobenzene	114	10.566	10.561	0.005	93	1209520	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.392	15.398	-0.006	84	982703	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.042	17.048	-0.006	94	528222	3.99	
8 Dichlorodifluoromethane	85	3.394	3.385	0.016	52	3550	0.0376	
9 Chloromethane	52	3.551	3.567	0.005	26	3318	0.1862	M
12 Vinyl chloride	62	3.718	3.714	0.011	31	3761	0.0493	
17 Ethanol	31	4.338	4.330	0.016	95	1294972	27.1	
20 Trichlorofluoromethane	101	4.758	4.757	0.010	80	7418	0.0331	
23 Acetone	58	4.882	4.887	0.005	98	188907	6.06	
25 Isopropyl alcohol	45	4.996	4.979	0.027	100	7817136	93.1	E
27 1,1-Dichloroethene	96	5.449	5.442	0.011	33	2791	0.0394	
33 Carbon disulfide	76	5.945	5.946	0.011	94	10346	0.0574	
39 2-Butanone (MEK)	72	7.573	7.572	0.016	85	28770	0.9411	
40 Hexane	56	7.589	7.593	0.010	92	58872	1.52	
42 cis-1,2-Dichloroethene	96	7.999	8.004	0.010	81	16048	0.2408	
44 Chloroform	83	8.339	8.350	0.005	28	2578	0.0190	
46 Tetrahydrofuran	42	8.760	8.754	0.033	90	34022	0.5420	
50 Cyclohexane	69	9.973	9.983	0.000	78	17741	0.6280	
51 Benzene	78	9.984	9.989	0.006	92	91888	0.4743	
52 Carbon tetrachloride	117	9.994	9.995	-0.006	26	1436	0.008820	
55 Isooctane	57	10.787	10.787	0.011	94	317926	1.34	
56 n-Heptane	71	11.186	11.187	0.011	88	49731	0.8105	
64 4-Methyl-2-pentanone (MIBK)	43	12.529	12.526	0.016	64	9362	0.0600	
67 Toluene	91	13.402	13.403	-0.001	91	576470	2.62	
69 2-Hexanone	58	13.898	13.877	0.021	1	1574	0.0247	
73 Tetrachloroethene	129	14.556	14.562	-0.006	24	2270	0.0251	
76 Ethylbenzene	91	15.737	15.737	0.000	98	151868	0.5207	
77 m-Xylene & p-Xylene	91	15.894	15.905	-0.011	96	403550	1.74	
81 o-Xylene	91	16.422	16.428	-0.006	98	162935	0.6809	
84 Isopropylbenzene	105	17.010	17.021	-0.011	49	21394	0.0581	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	120	17.565	17.565	0.000	99	14841	0.1466	
87 4-Ethyltoluene	105	17.722	17.716	-0.005	92	70511	0.1914	M
88 1,3,5-Trimethylbenzene	120	17.803	17.803	0.000	63	33703	0.2171	
92 1,2,4-Trimethylbenzene	105	18.250	18.250	0.000	97	216997	0.7024	
94 1,3-Dichlorobenzene	146	18.514	18.525	-0.011	90	10529	0.0465	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

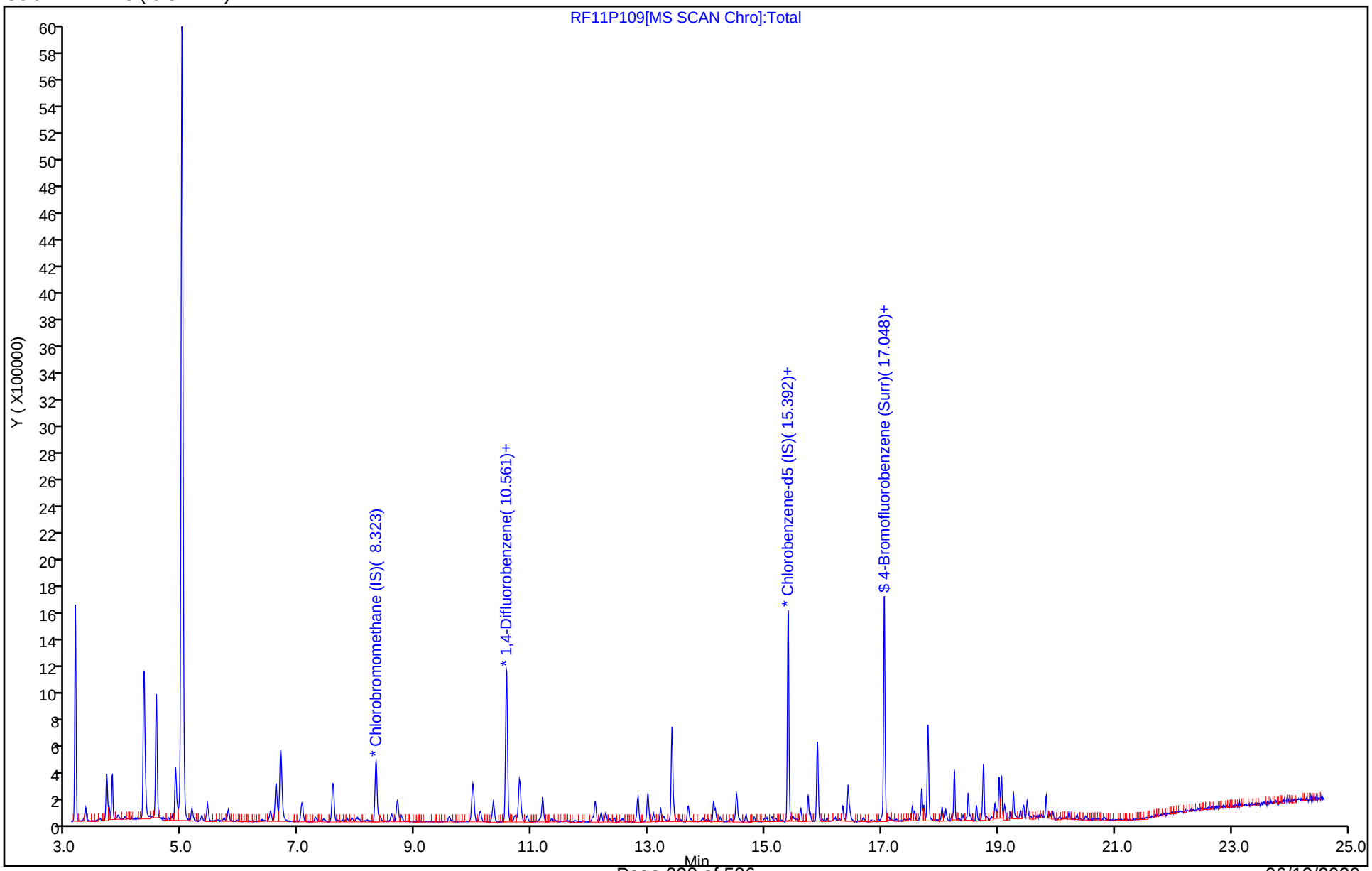
40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 12-Jun-2020 12:43:26 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D				
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5	Worklist Smp#:	22
Client ID:	OFFSITE DDC MID-2				
Purge Vol:	500.000 mL	Dil. Factor:	2.0600	ALS Bottle#:	9
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D				
Lims ID:	140-19327-A-5				
Client ID:	OFFSITE DDC MID-2				
Sample Type:	Client				
Inject. Date:	11-Jun-2020 23:53:30	ALS Bottle#:	9	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600		
Sample Info:	140-0015714-022				
Misc. Info.:	140-19327-a-5@2.06				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Jun-2020 12:42:22	Calib Date:	14-May-2020 00:39:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1031				

First Level Reviewer: khachitpongpanits Date: 12-Jun-2020 12:43:25

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.99	99.64

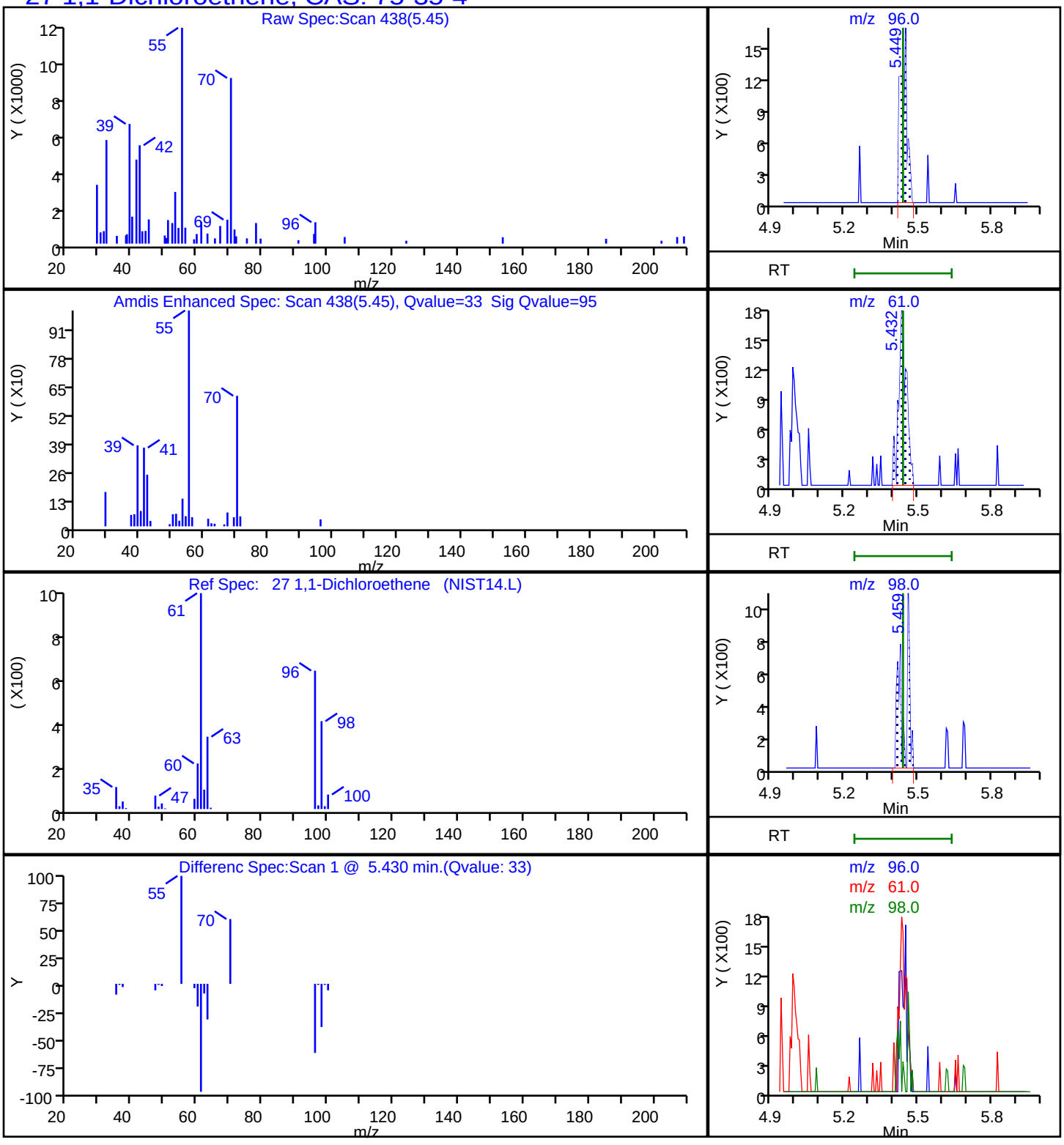
Report Date: 12-Jun-2020 12:43:26 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D

Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5
Client ID:	OFFSITE DDC MID-2		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

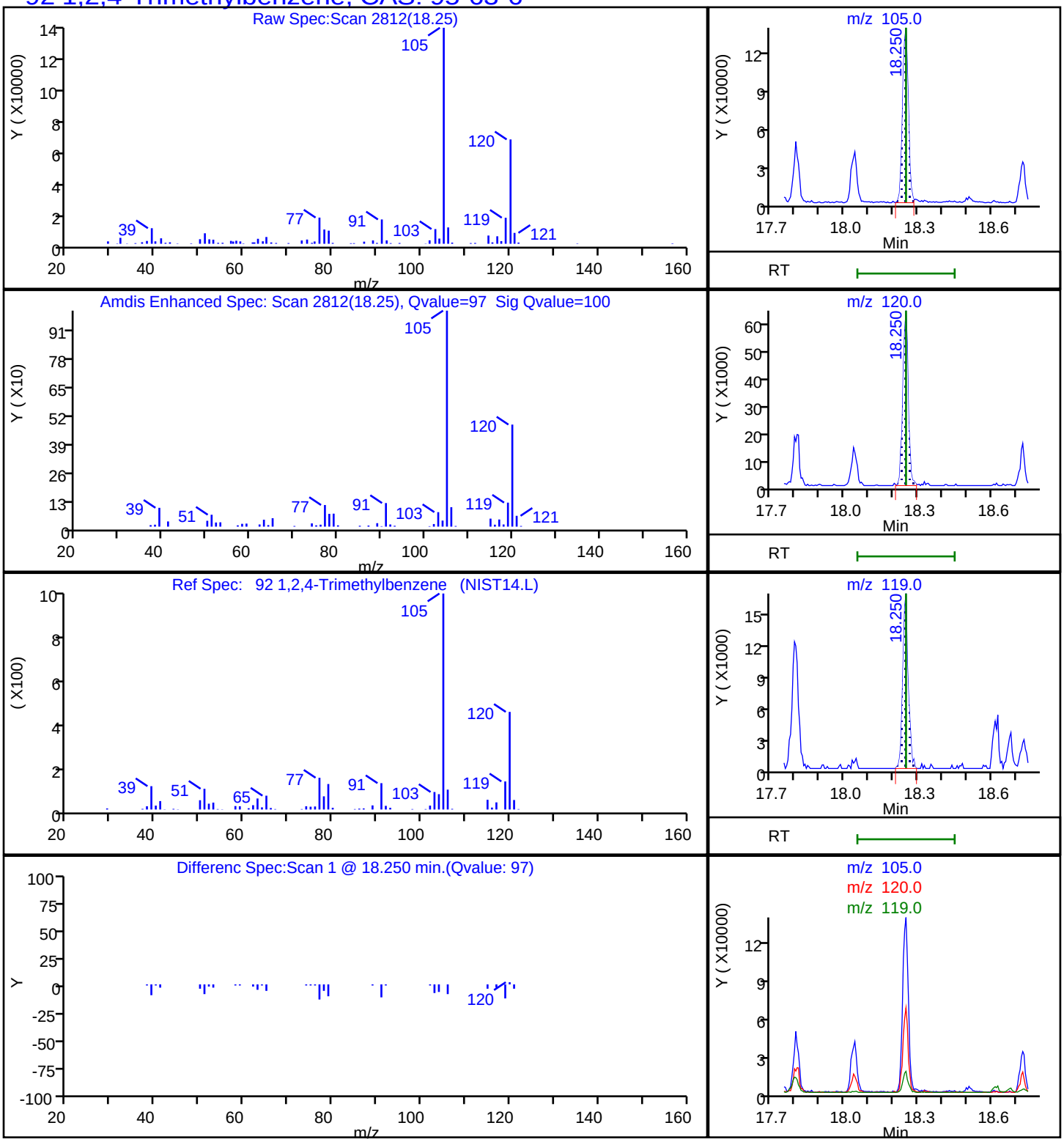
27 1,1-Dichloroethene, CAS: 75-35-4



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D				
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR		
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5		
Client ID:	OFFSITE DDC MID-2				
Operator ID:	HMT	ALS Bottle#:	9	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

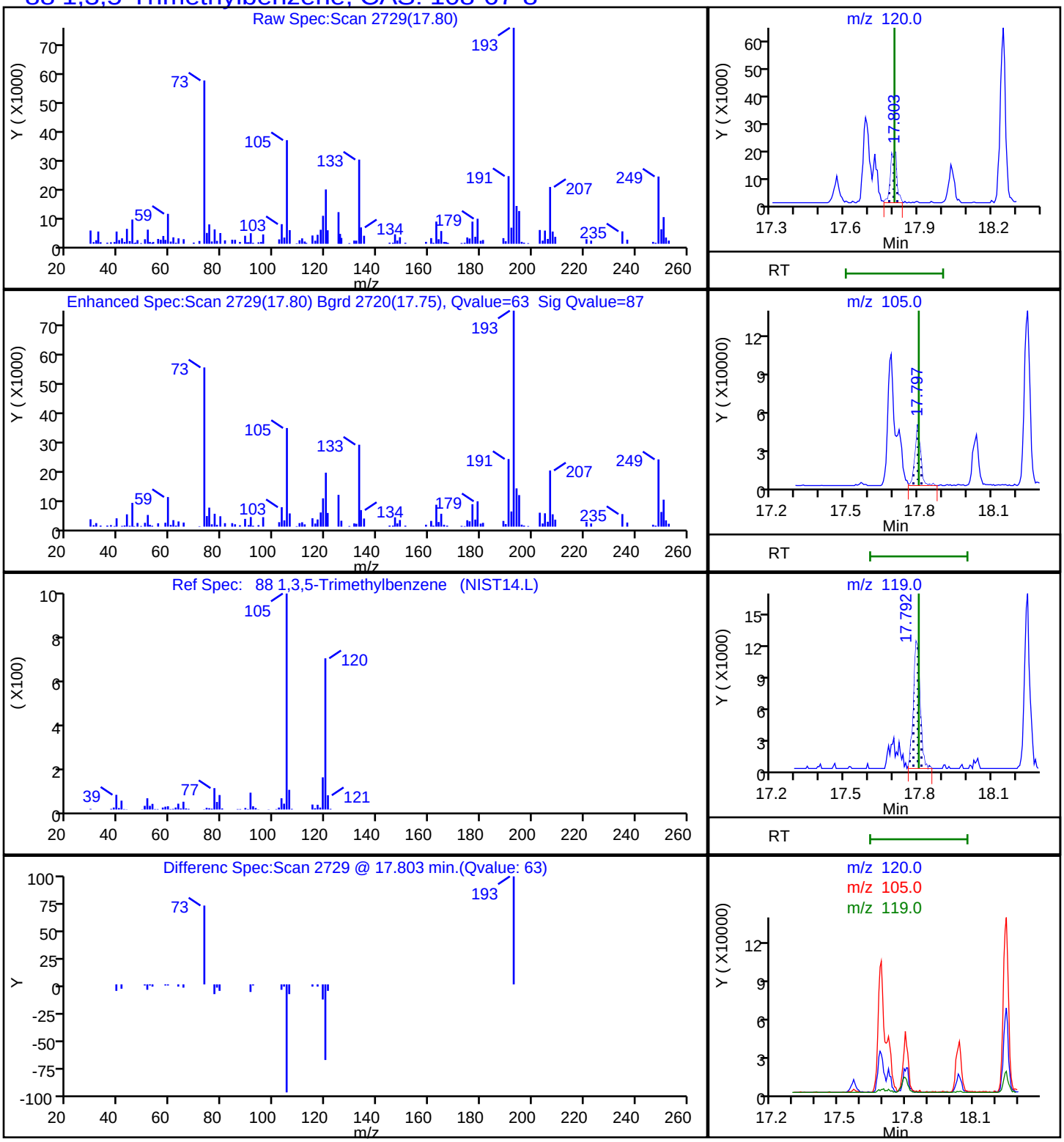
92 1,2,4-Trimethylbenzene, CAS: 95-63-6



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D				
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR		
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5		
Client ID:	OFFSITE DDC MID-2				
Operator ID:	HMT	ALS Bottle#:	9	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600		
Method:	MR_TO15	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

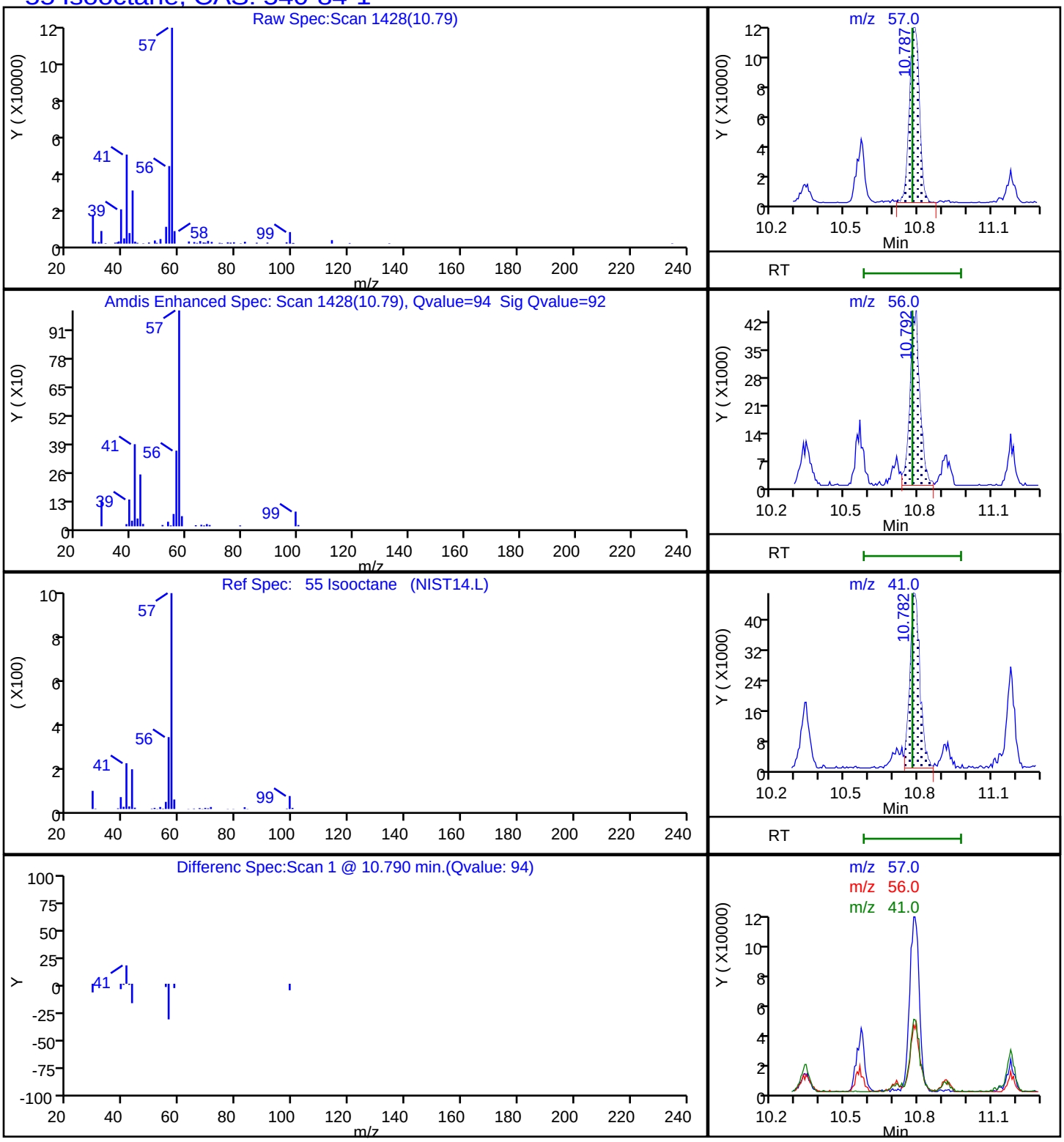


Report Date: 12-Jun-2020 12:43:26 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D		
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5
Client ID:	OFFSITE DDC MID-2		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

55 Isooctane, CAS: 540-84-1

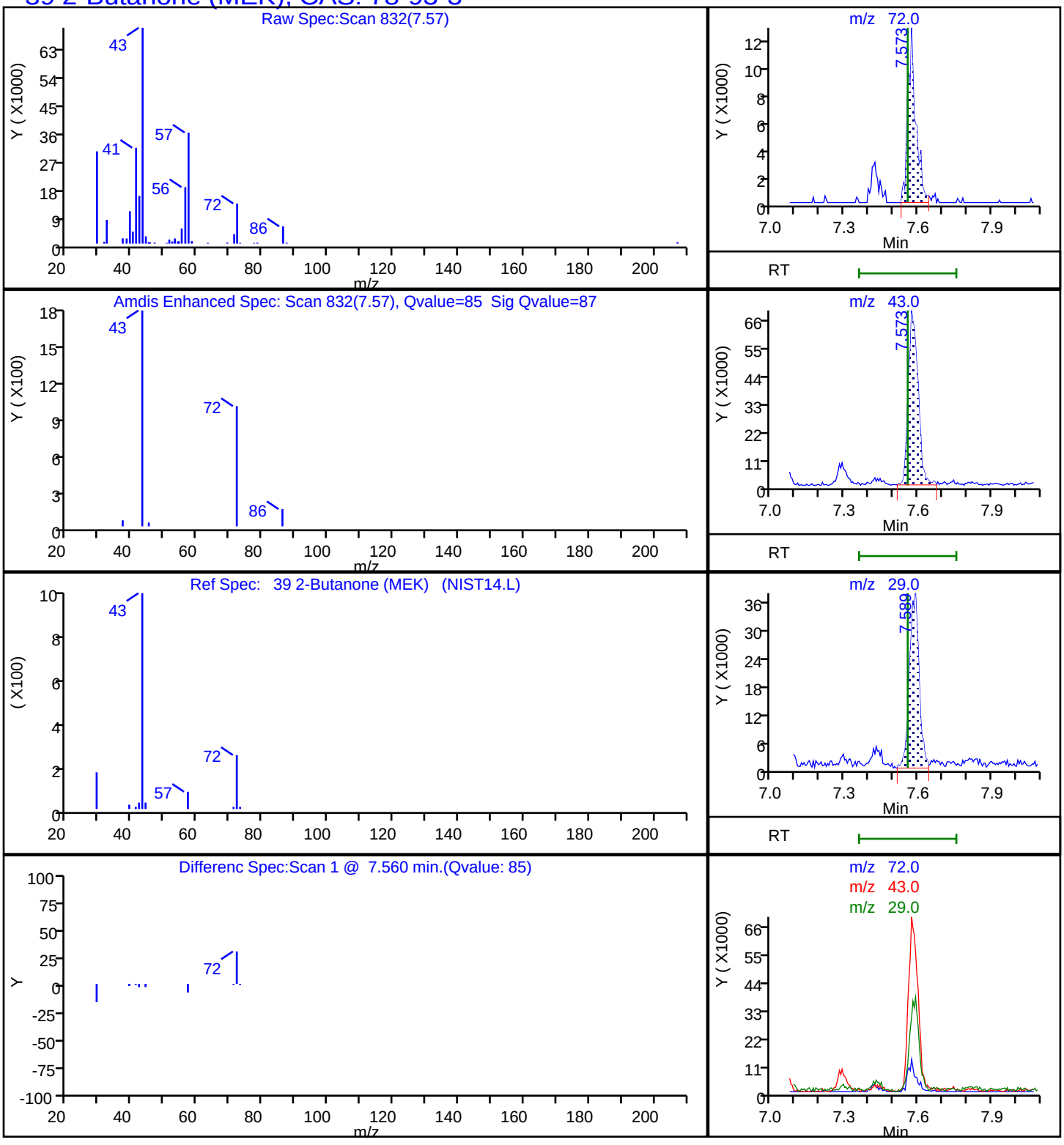


Report Date: 12-Jun-2020 12:43:26 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D		
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5
Client ID:	OFFSITE DDC MID-2		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

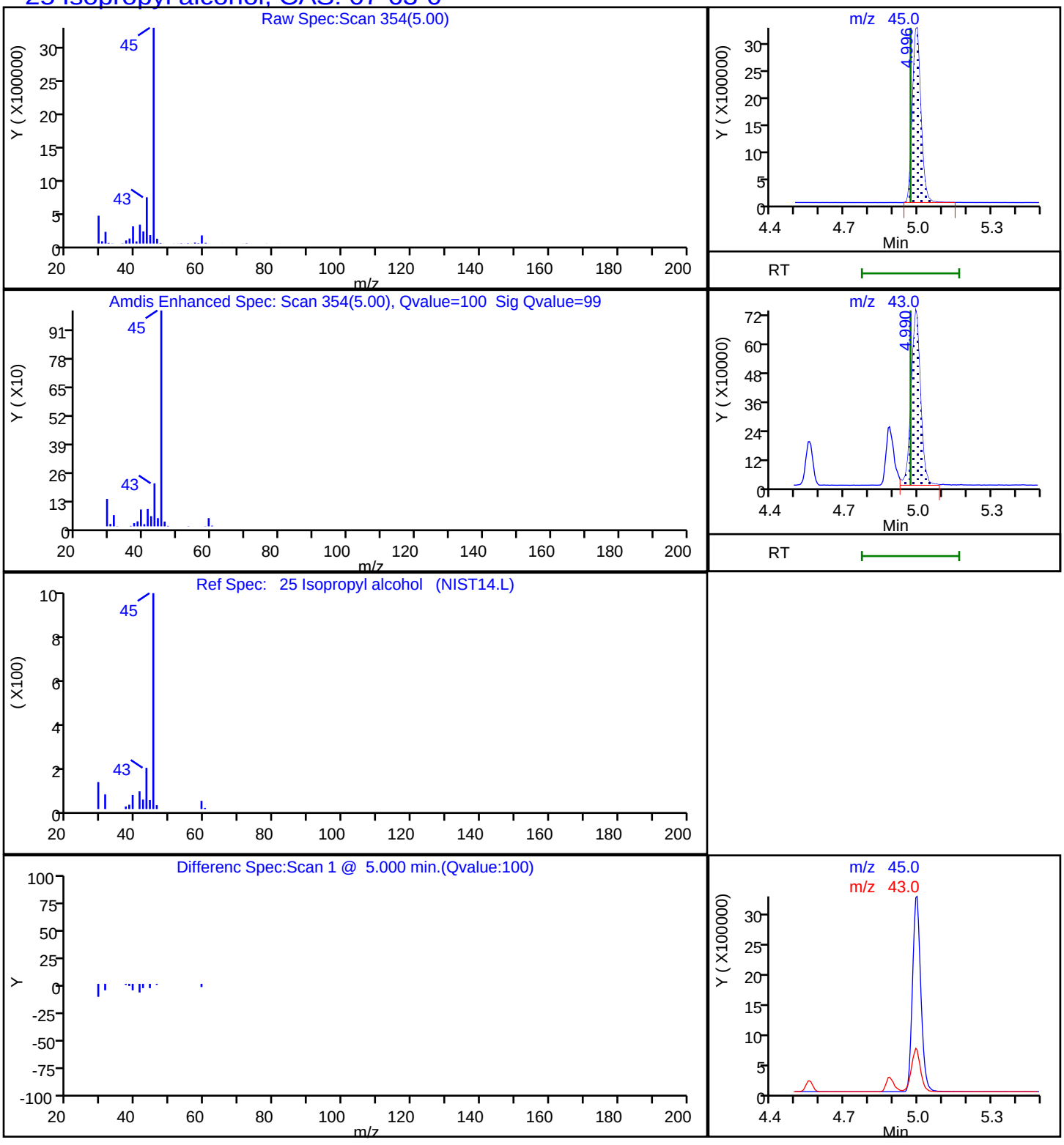
39 2-Butanone (MEK), CAS: 78-93-3



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D		
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5
Client ID:	OFFSITE DDC MID-2		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

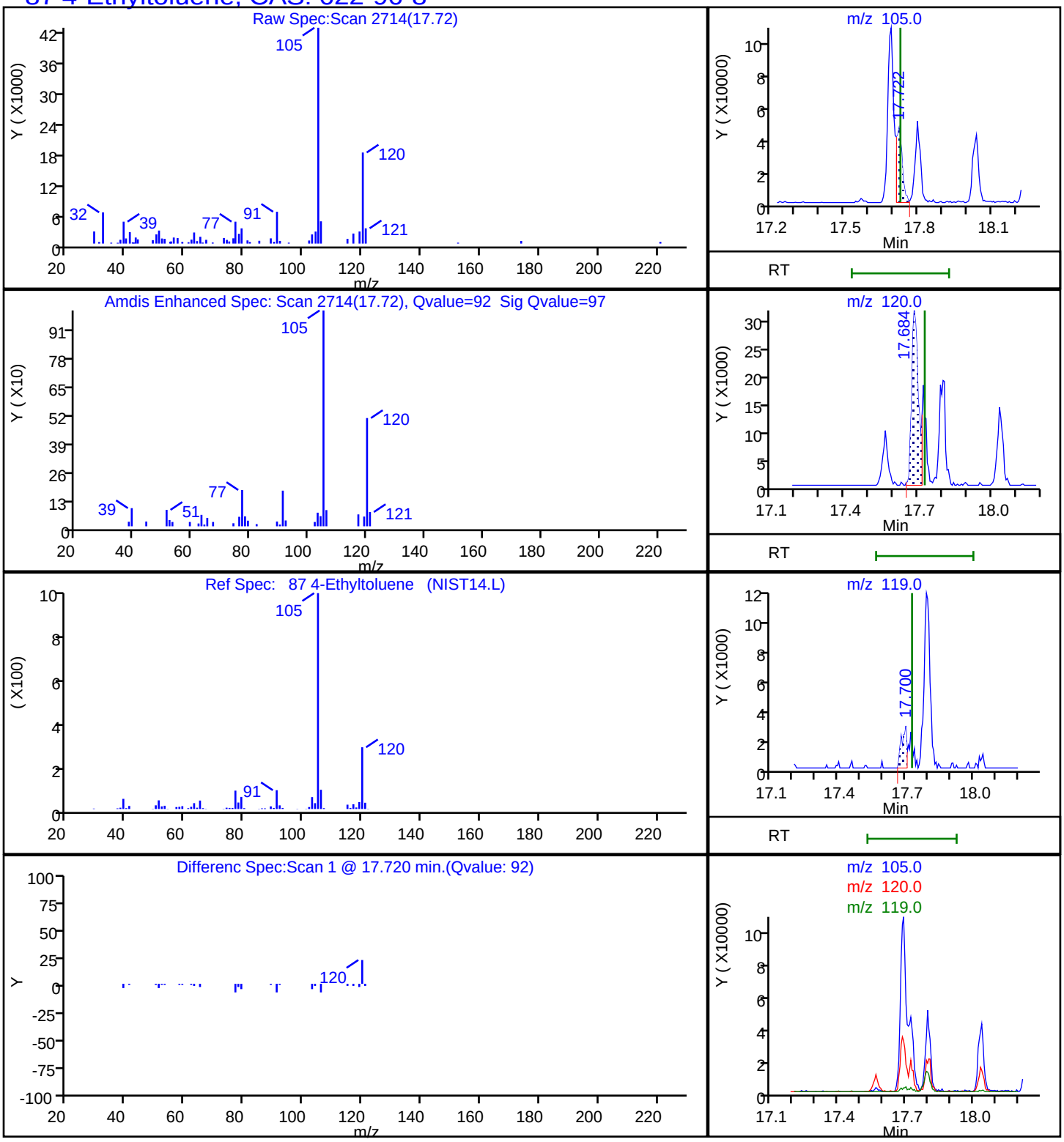
25 Isopropyl alcohol, CAS: 67-63-0



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D		
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5
Client ID:	OFFSITE DDC MID-2		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

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

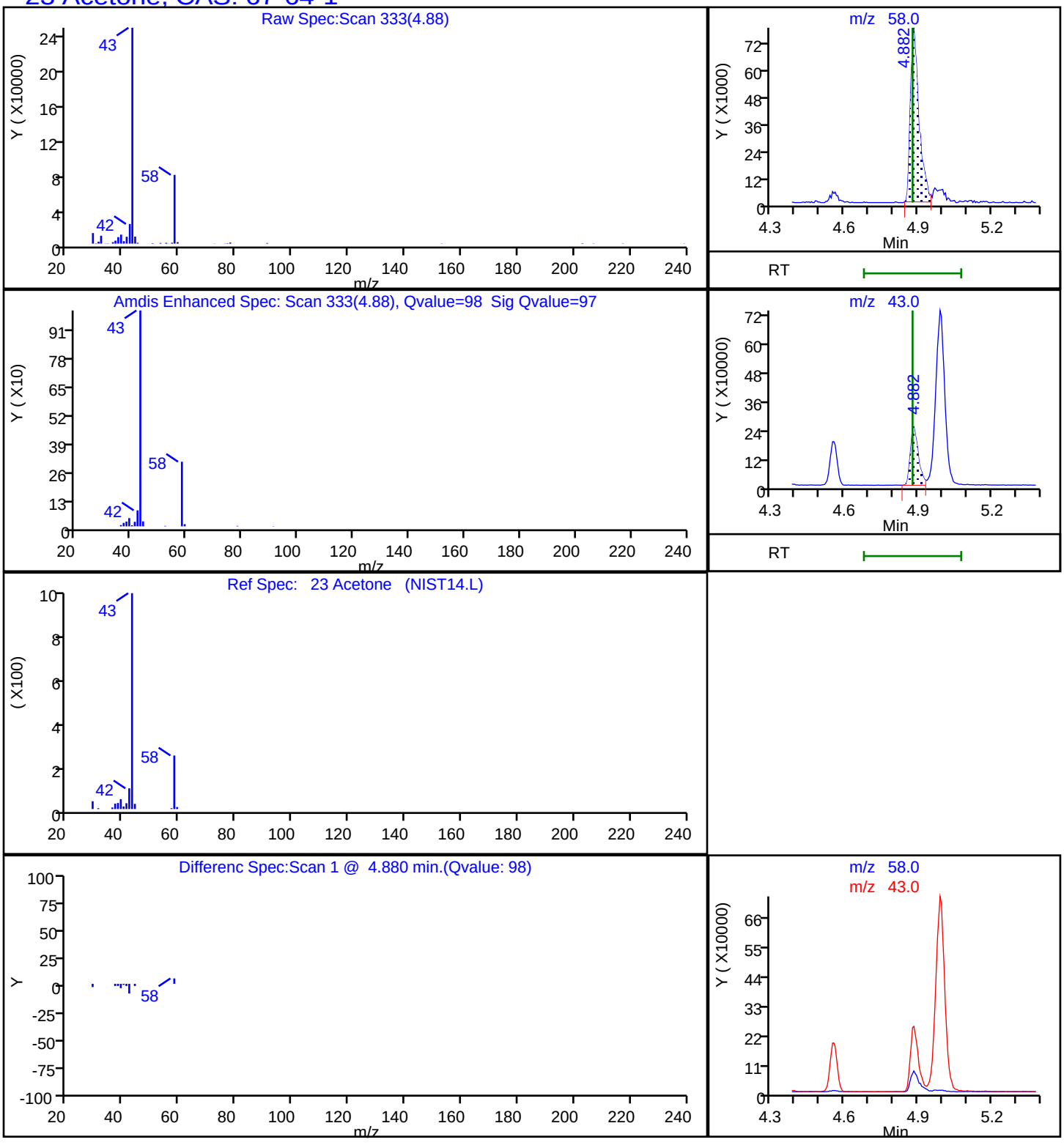


Report Date: 12-Jun-2020 12:43:26 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D		
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5
Client ID:	OFFSITE DDC MID-2		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

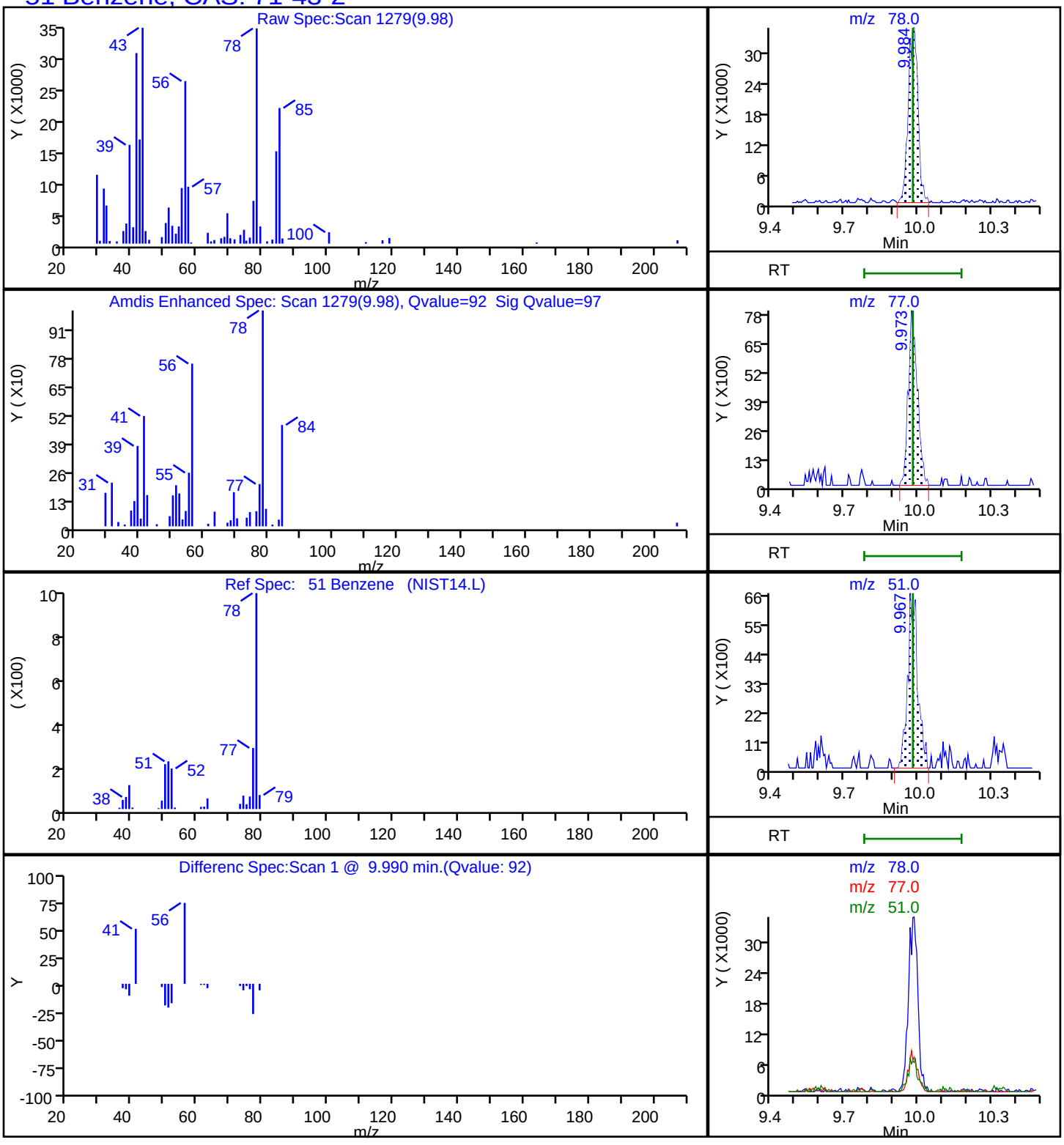
23 Acetone, CAS: 67-64-1



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D		
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5
Client ID:	OFFSITE DDC MID-2		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600
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

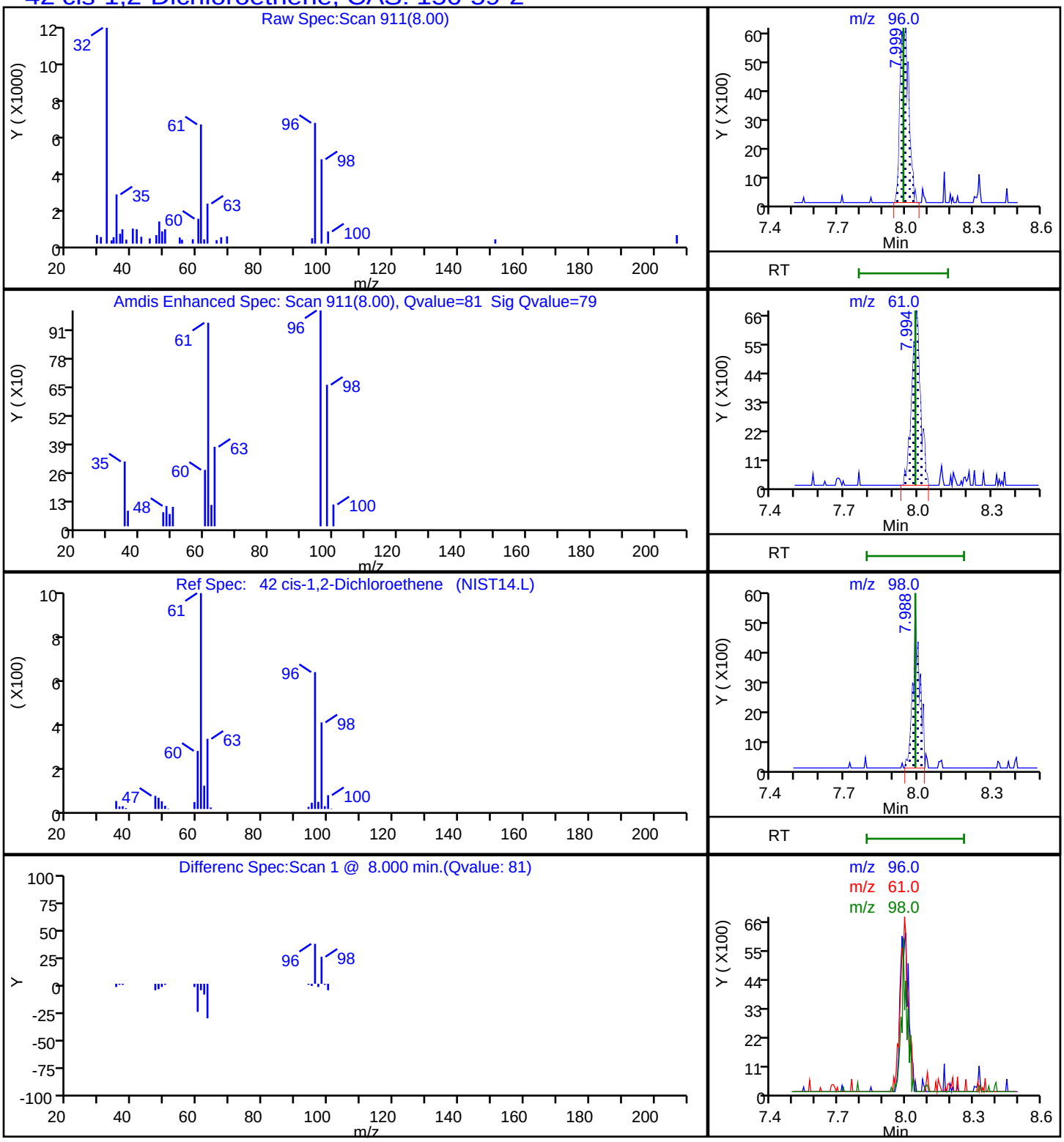


Report Date: 12-Jun-2020 12:43:26 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D		
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5
Client ID:	OFFSITE DDC MID-2		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600
Method:	MR_TO15	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

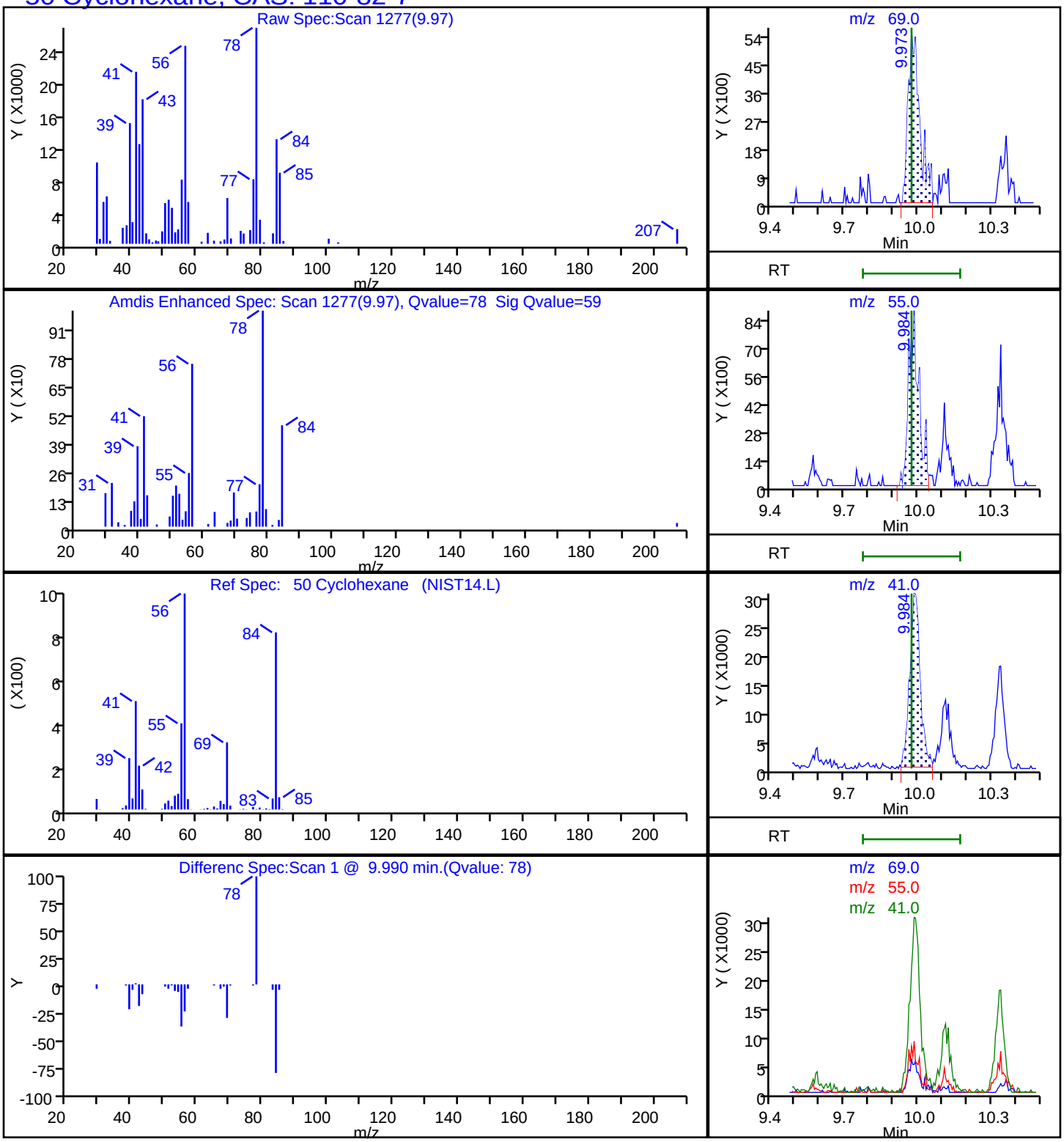


Report Date: 12-Jun-2020 12:43:26 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D		
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5
Client ID:	OFFSITE DDC MID-2		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

50 Cyclohexane, CAS: 110-82-7

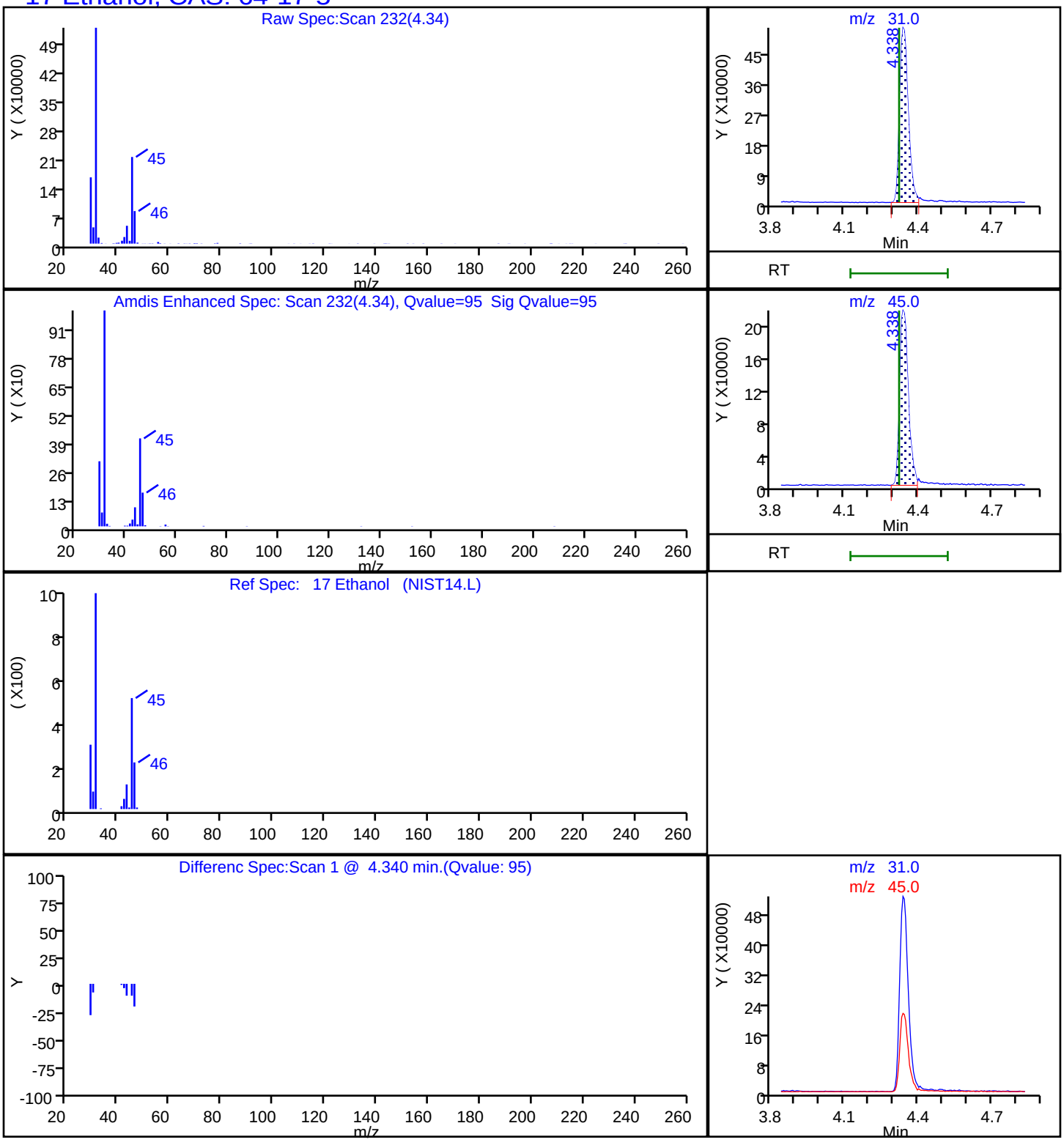


Report Date: 12-Jun-2020 12:43:26 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D		
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5
Client ID:	OFFSITE DDC MID-2		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

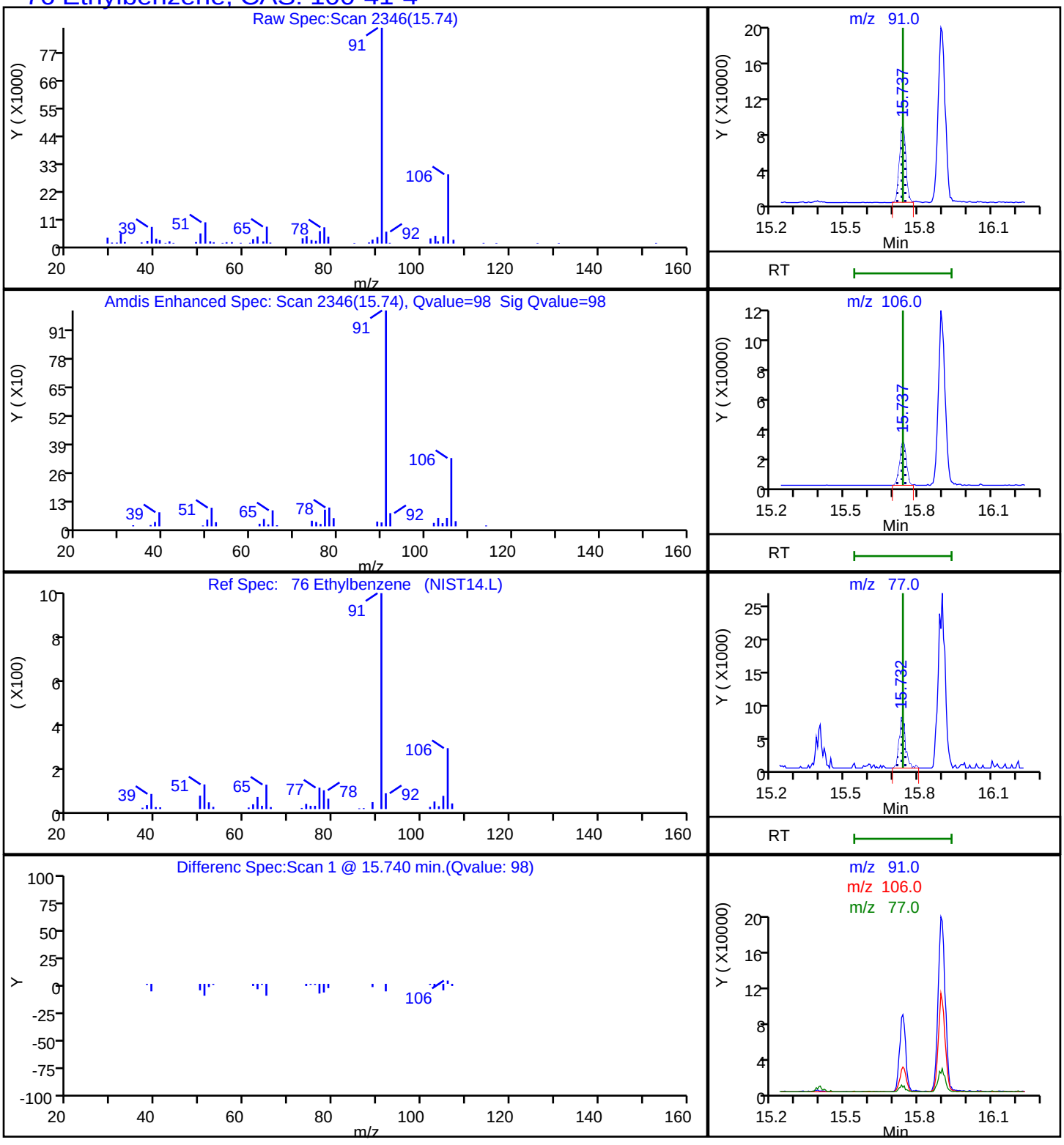
17 Ethanol, CAS: 64-17-5



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D		
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5
Client ID:	OFFSITE DDC MID-2		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

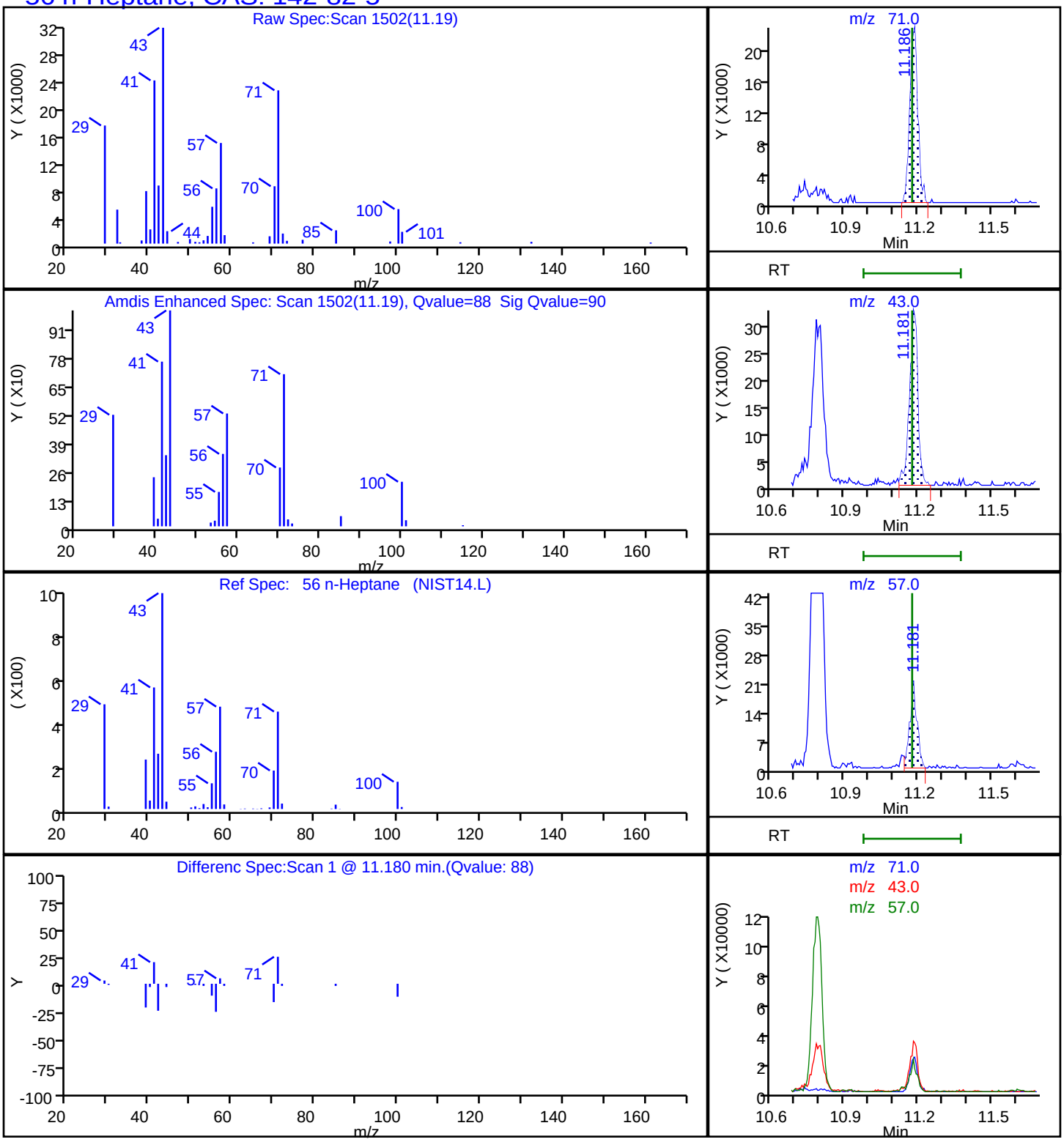
76 Ethylbenzene, CAS: 100-41-4



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D
Injection Date: 11-Jun-2020 23:53:30 Instrument ID: MR
Lims ID: 140-19327-A-5 Lab Sample ID: 140-19327-5
Client ID: OFFSITE DDC MID-2
Operator ID: HMT ALS Bottle#: 9 Worklist Smp#: 22
Purge Vol: 500.000 mL Dil. Factor: 2.0600
Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Column: RTX-5 (0.32 mm) Detector MS SCAN

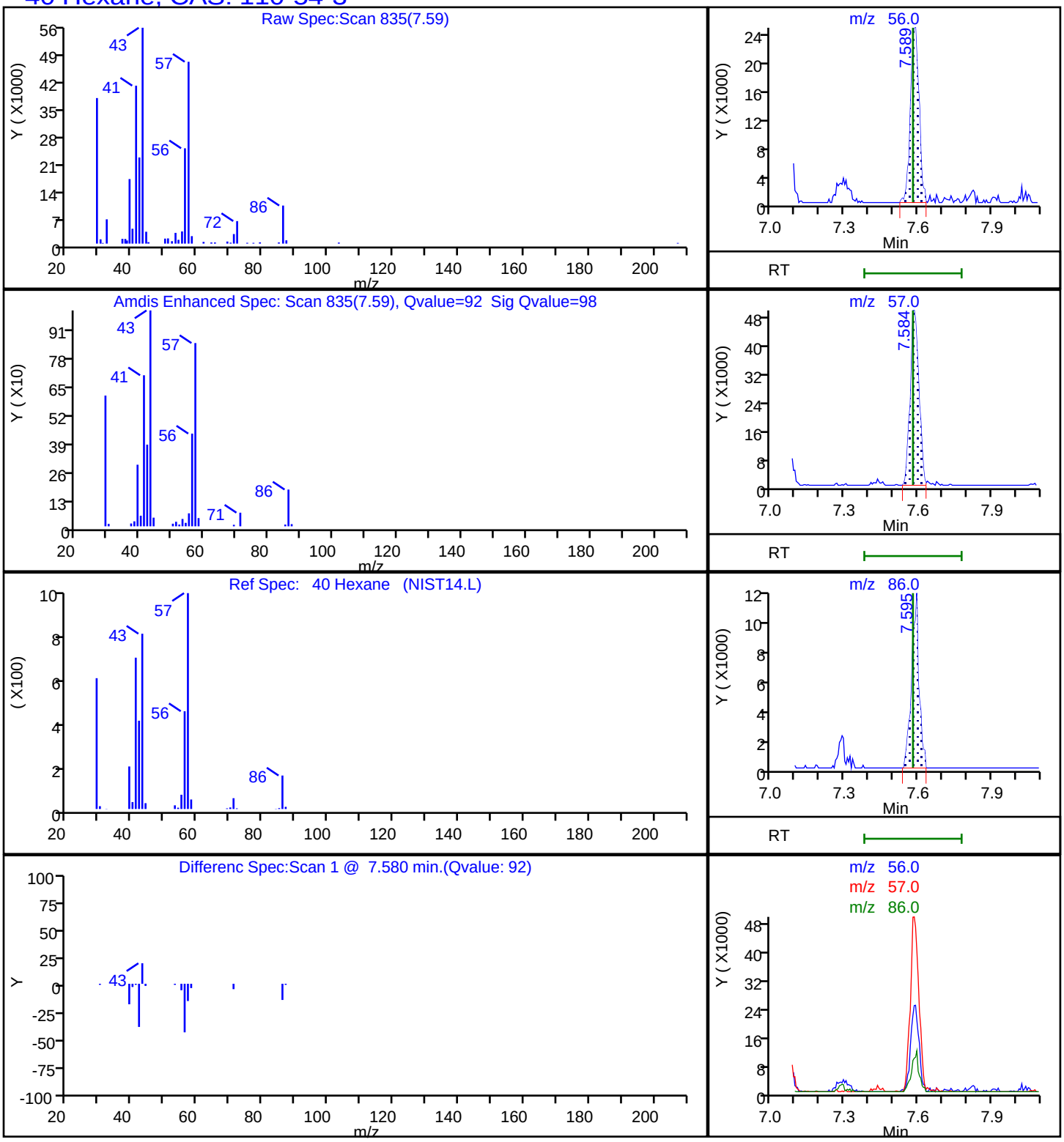
56 n-Heptane, CAS: 142-82-5



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D		
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5
Client ID:	OFFSITE DDC MID-2		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

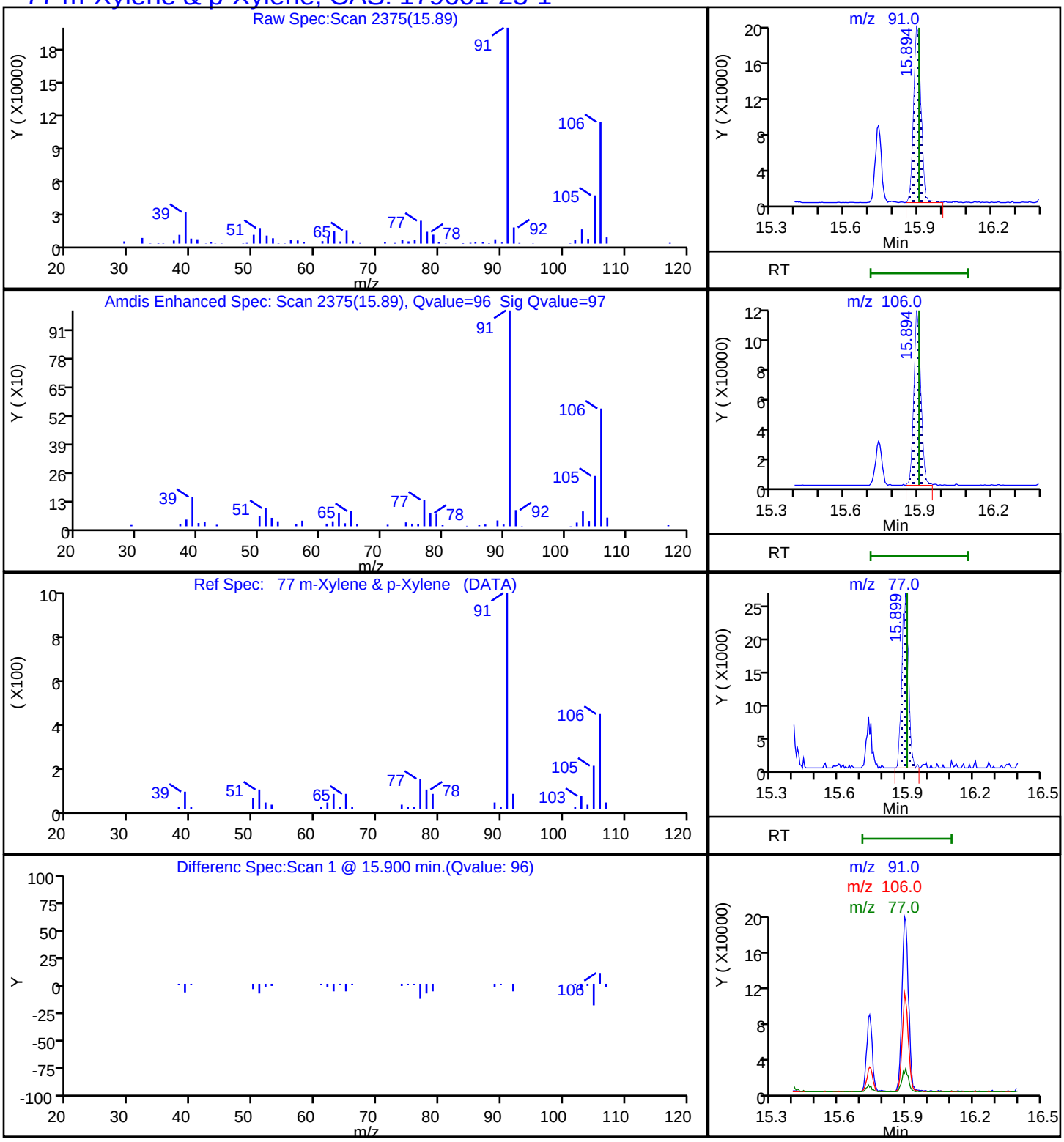
40 Hexane, CAS: 110-54-3



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D				
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR		
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5		
Client ID:	OFFSITE DDC MID-2				
Operator ID:	HMT	ALS Bottle#:	9	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

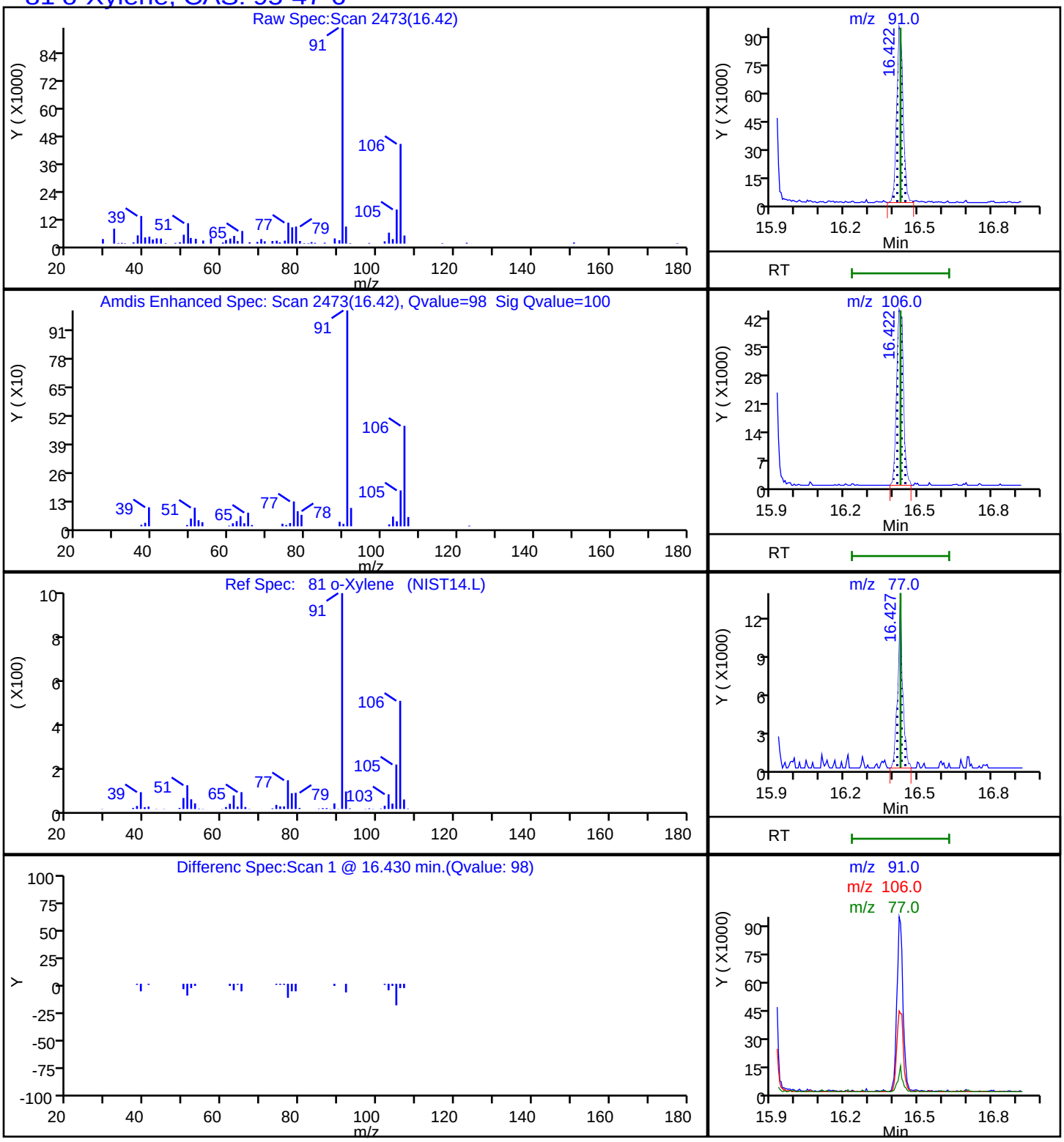
77 m-Xylene & p-Xylene, CAS: 179601-23-1



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D				
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR		
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5		
Client ID:	OFFSITE DDC MID-2				
Operator ID:	HMT	ALS Bottle#:	9	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

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



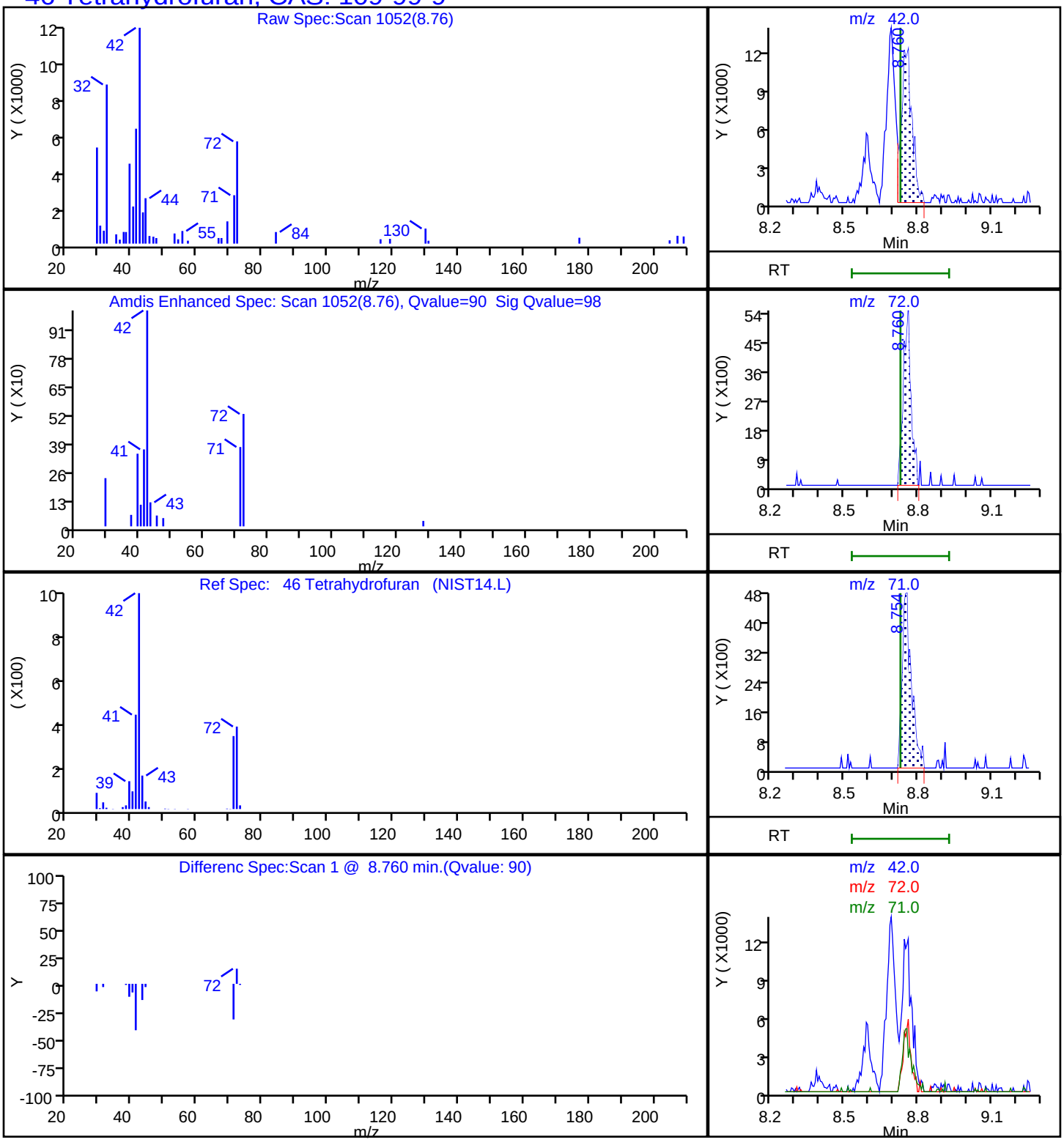
Report Date: 12-Jun-2020 12:43:26 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D

Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5
Client ID:	OFFSITE DDC MID-2		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

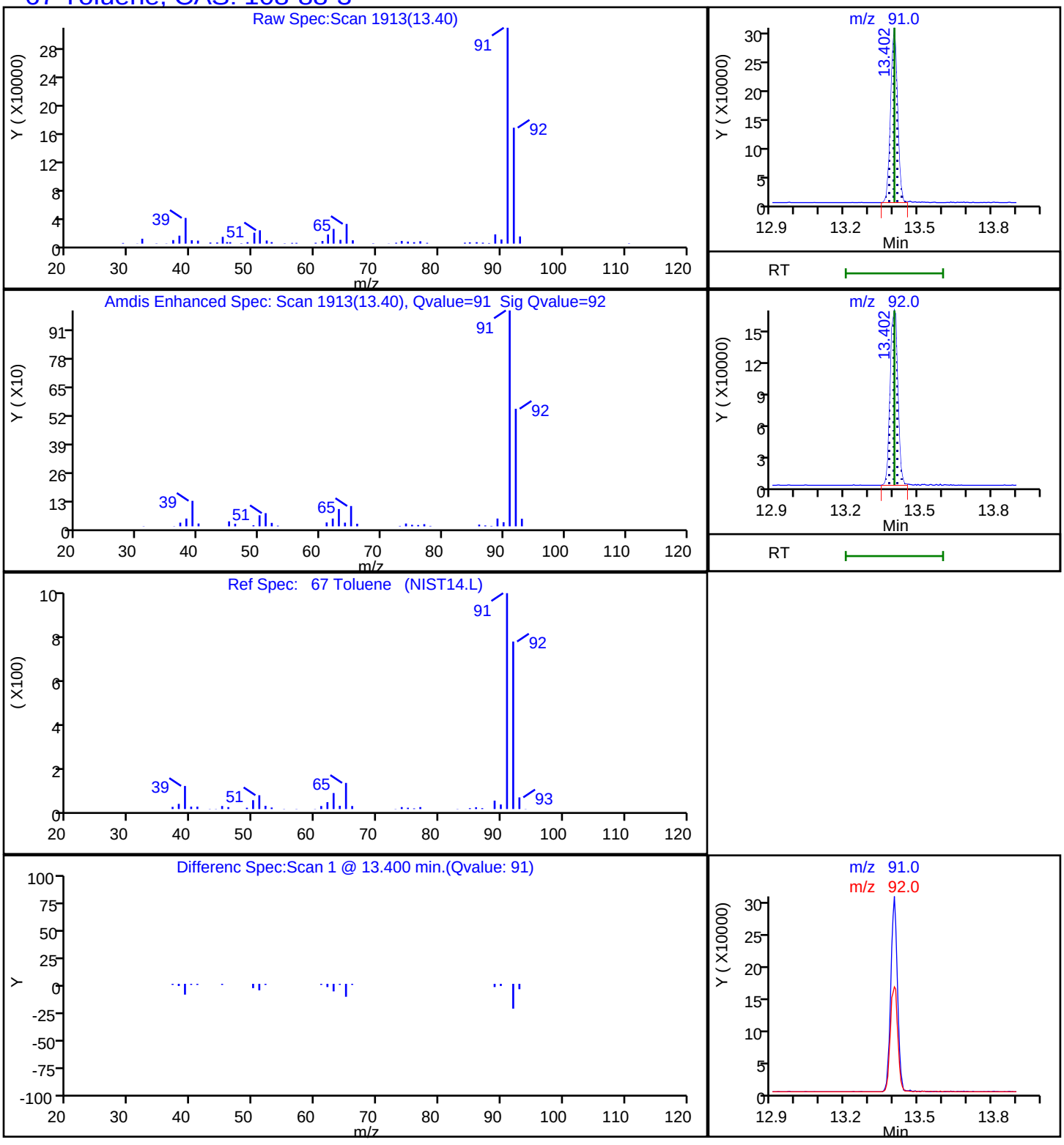
46 Tetrahydrofuran, CAS: 109-99-9



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D		
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5
Client ID:	OFFSITE DDC MID-2		
Operator ID:	HMT	ALS Bottle#:	9 Worklist Smp#: 22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

67 Toluene, CAS: 108-88-3



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D

Injection Date: 11-Jun-2020 23:53:30 Instrument ID: MR

Lims ID: 140-19327-A-5 Lab Sample ID: 140-19327-5

Client ID: OFFSITE DDC MID-2

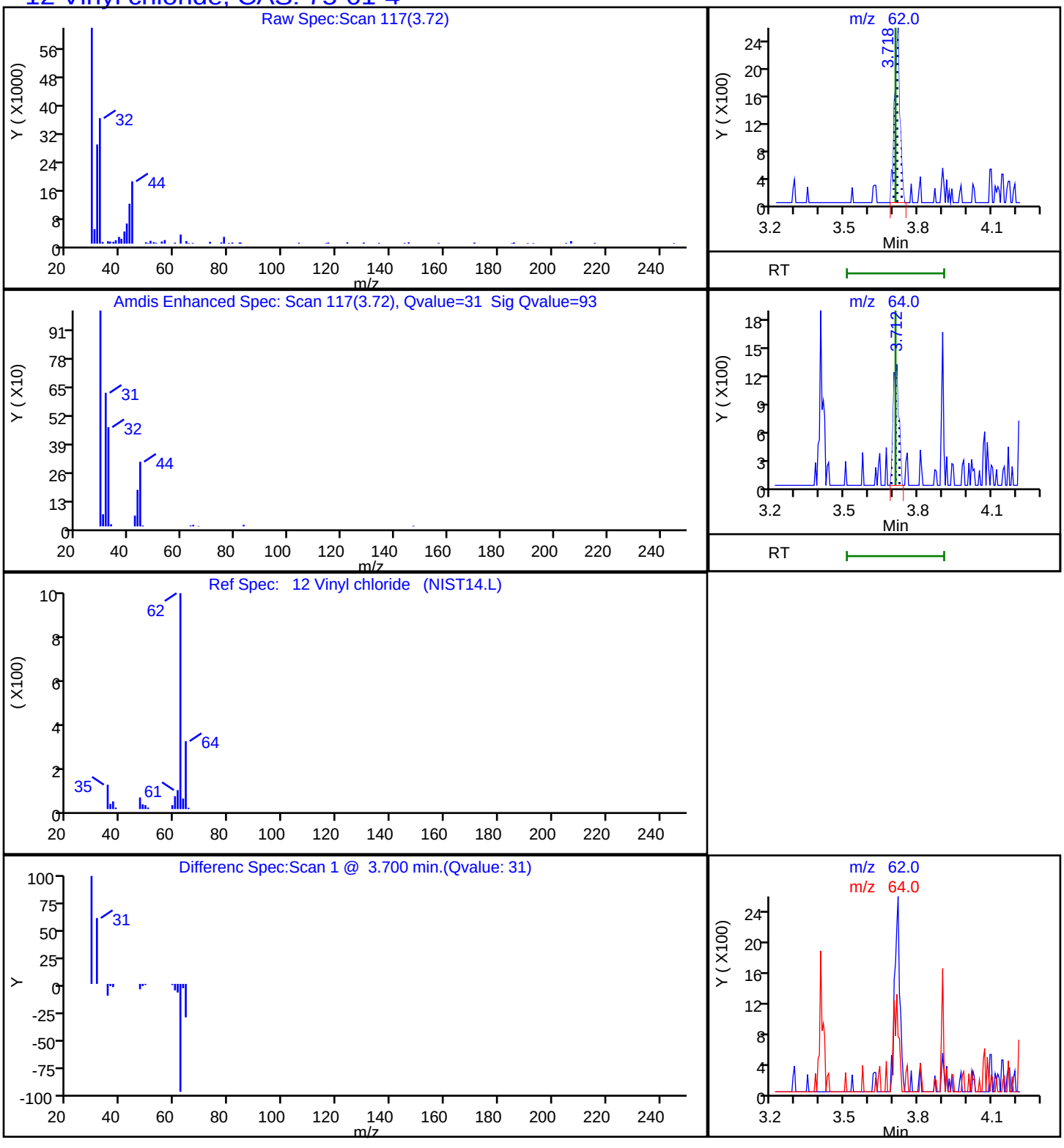
Operator ID: HMT ALS Bottle#: 9 Worklist Smp#: 22

Purge Vol: 500.000 mL Dil. Factor: 2.0600

Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

12 Vinyl chloride, CAS: 75-01-4



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

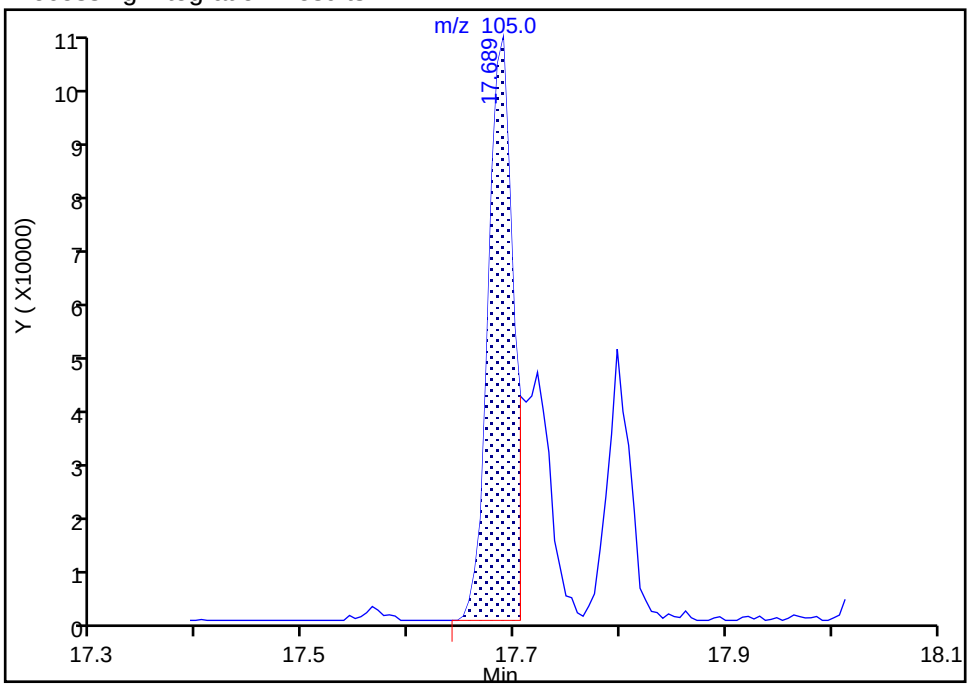
Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D				
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR		
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5		
Client ID:	OFFSITE DDC MID-2				
Operator ID:	HMT	ALS Bottle#:	9	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600		
Method:	MR_TO15	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

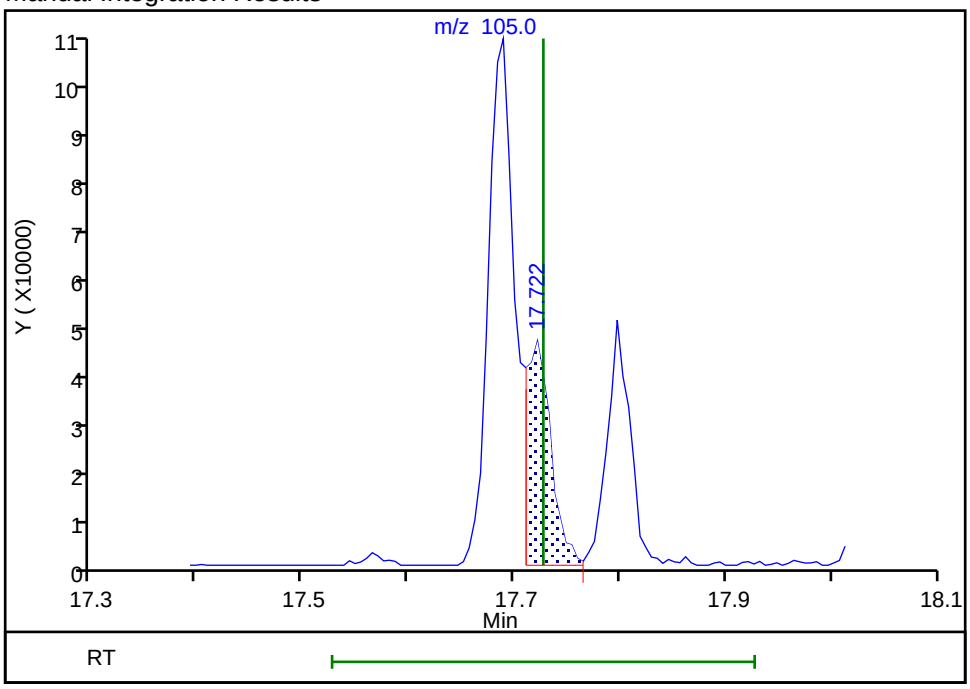
Processing Integration Results

RT: 17.69
Area: 166899
Amount: 0.453118
Amount Units: ppb v/v



Manual Integration Results

RT: 17.72
Area: 70511
Amount: 0.191432
Amount Units: ppb v/v



Reviewer: khachitpongpanits, 12-Jun-2020 12:35:36

Audit Action: Split an Integrated Peak Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

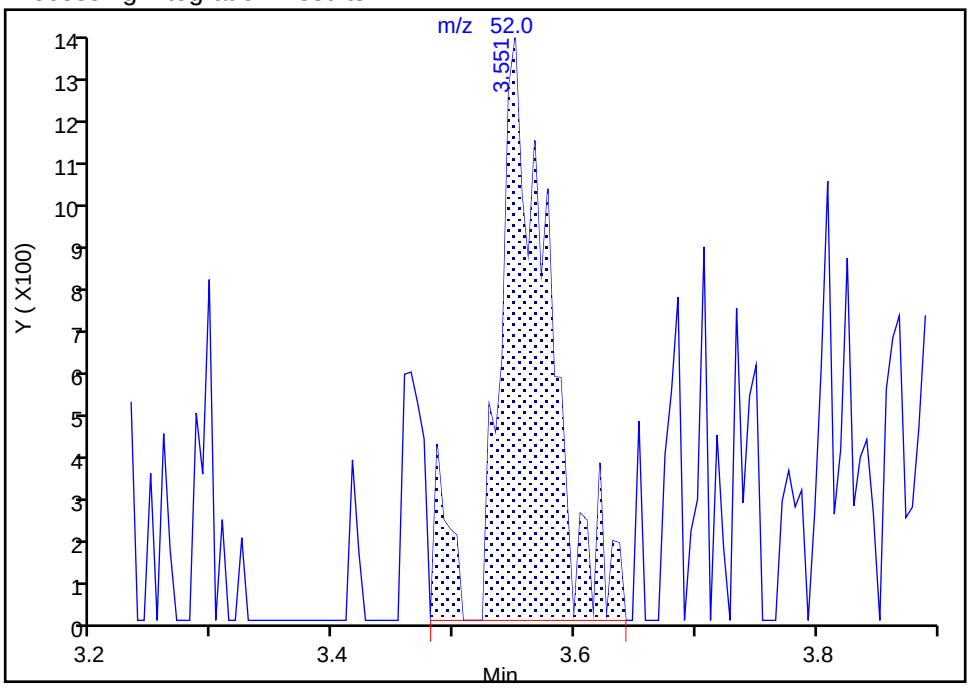
Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D				
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR		
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5		
Client ID:	OFFSITE DDC MID-2				
Operator ID:	HMT	ALS Bottle#:	9	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

9 Chloromethane, CAS: 74-87-3

Signal: 1

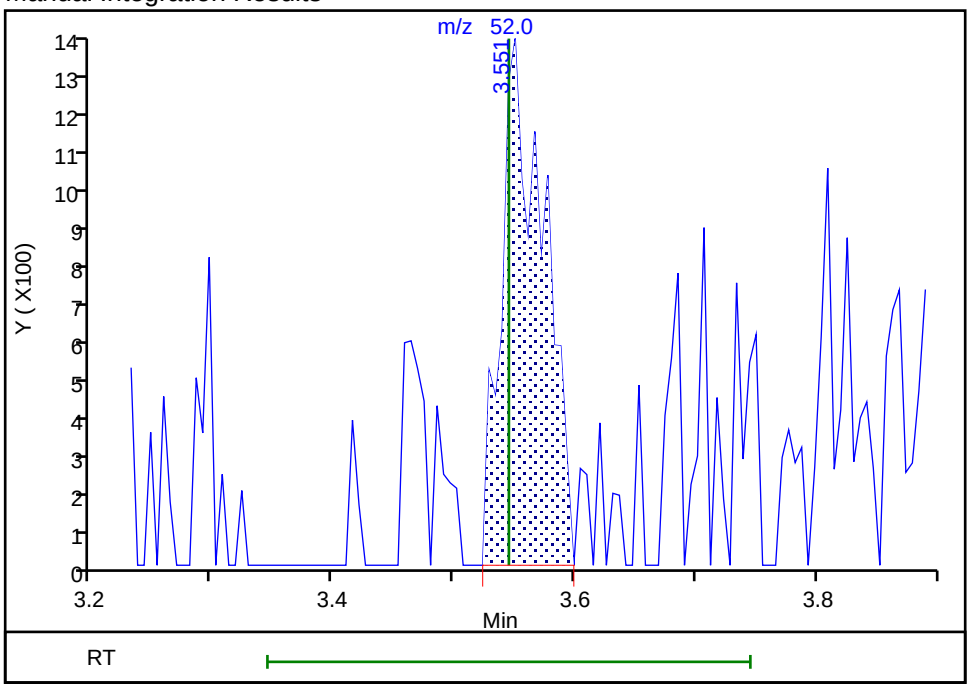
Processing Integration Results

RT: 3.55
Area: 4052
Amount: 0.227337
Amount Units: ppb v/v



Manual Integration Results

RT: 3.55
Area: 3318
Amount: 0.186156
Amount Units: ppb v/v



Reviewer: khachitpongpanits, 12-Jun-2020 12:32:48
Audit Action: Split an Integrated Peak Audit Reason: Baseline

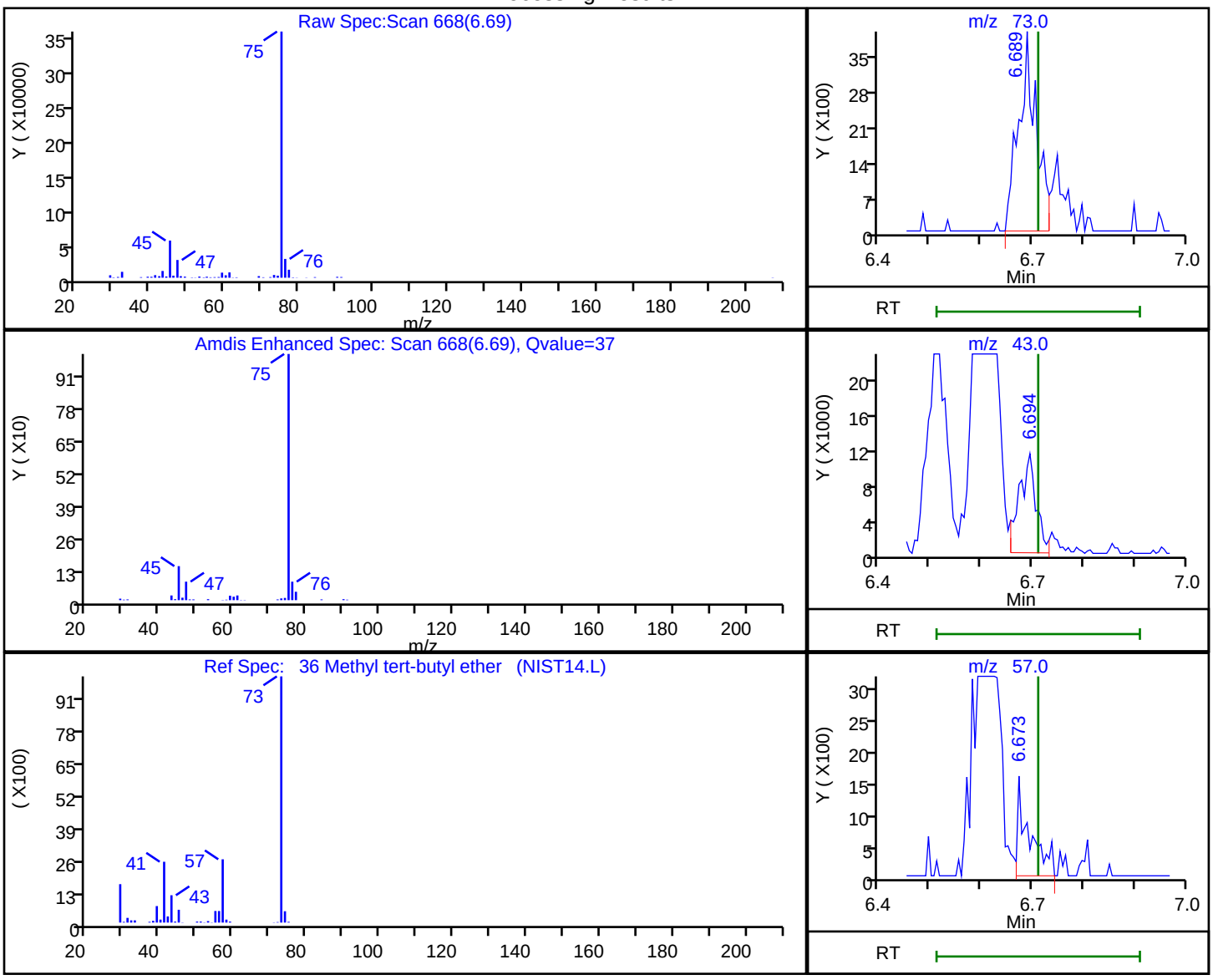
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D				
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR		
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5		
Client ID:	OFFSITE DDC MID-2				
Operator ID:	HMT	ALS Bottle#:	9	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
6.69	73.00	9369	0.057202
6.69	43.00	25946	
6.67	57.00	2595	

Reviewer: khachitpongpanits, 12-Jun-2020 12:33:46

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

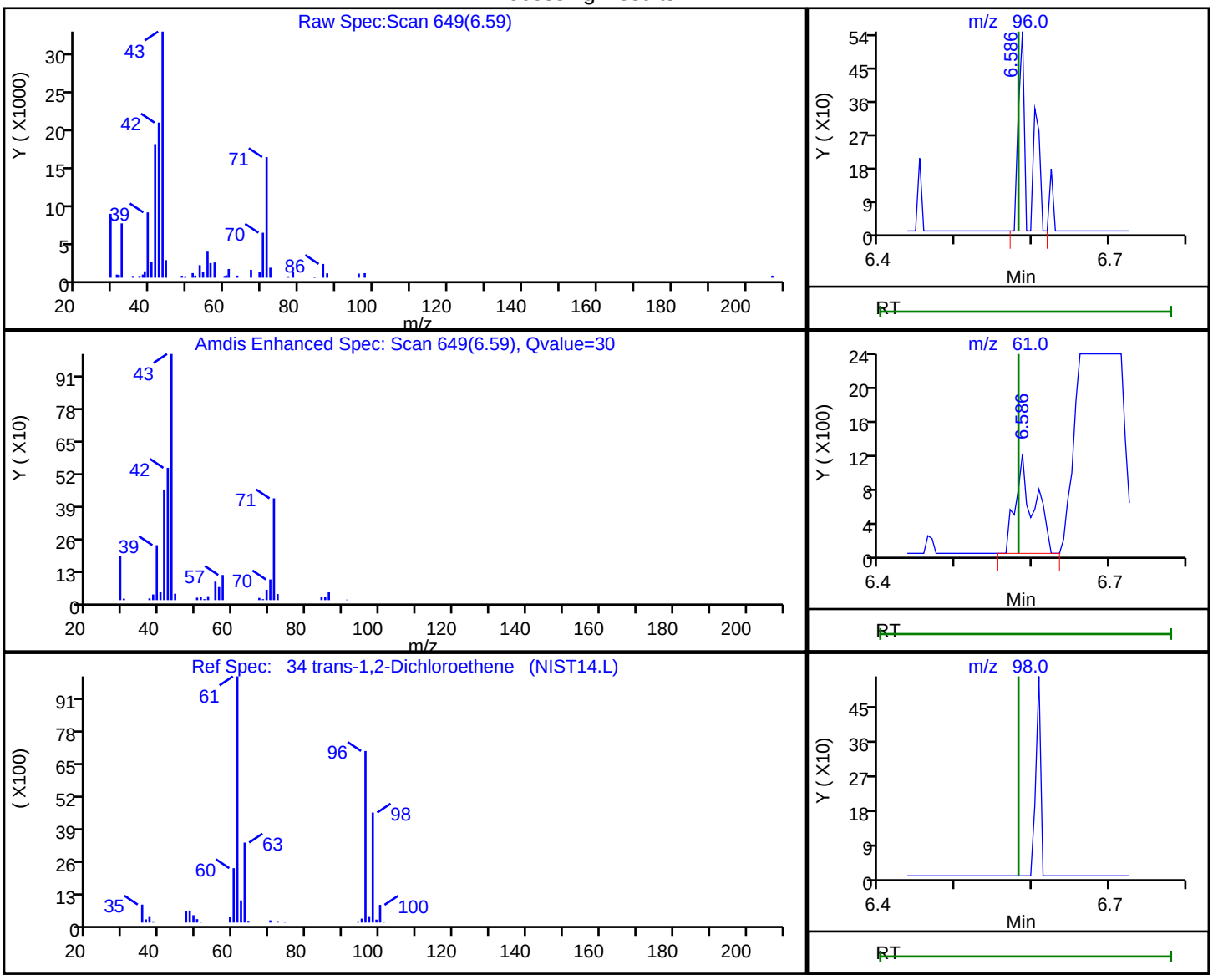
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D				
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR		
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5		
Client ID:	OFFSITE DDC MID-2				
Operator ID:	HMT	ALS Bottle#:	9	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

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

Processing Results



RT	Mass	Response	Amount
6.59	96.00	480	0.007133
6.59	61.00	1937	
6.58	98.00	0	

Reviewer: khachitpongpanits, 12-Jun-2020 12:33:43

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

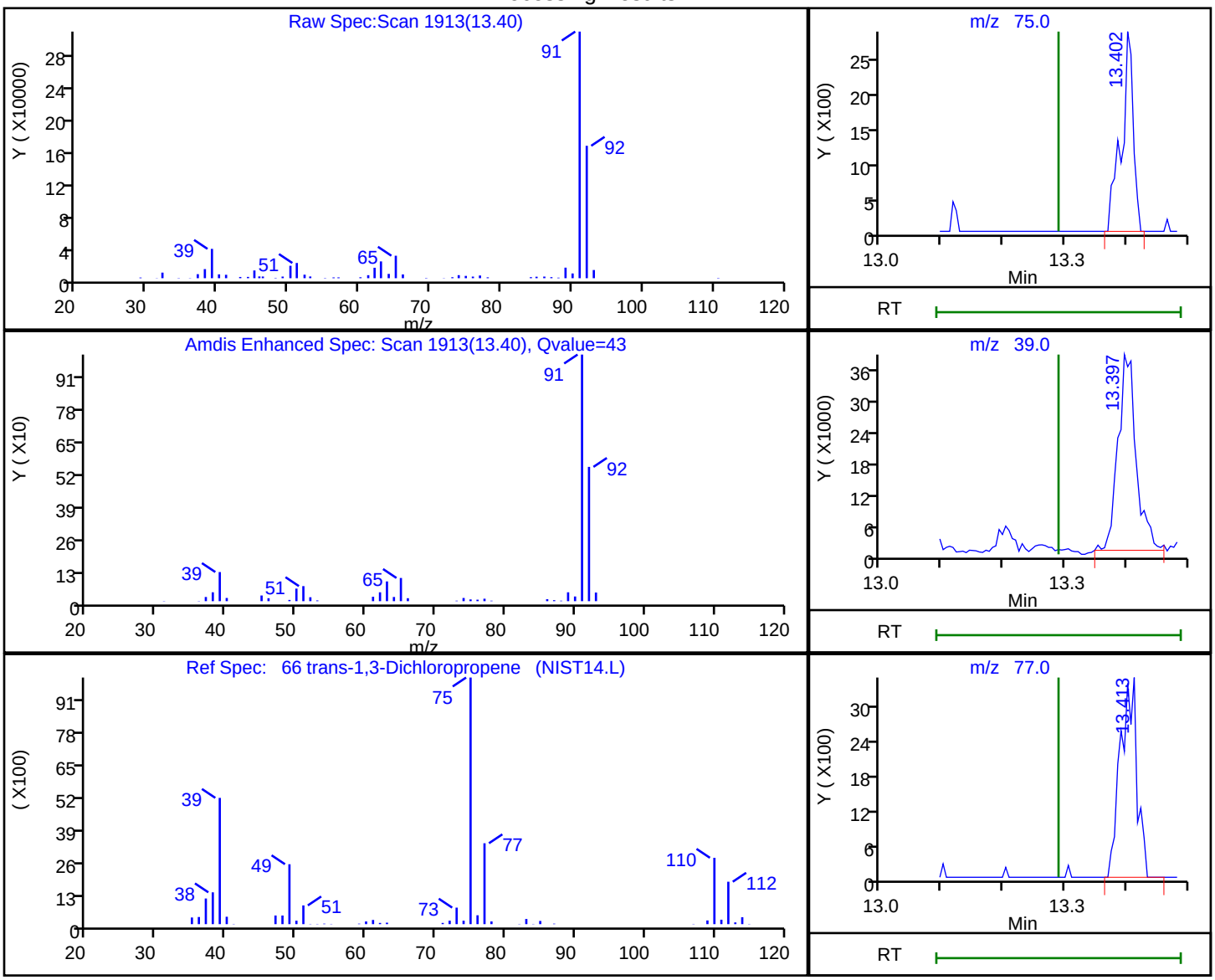
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P109.D				
Injection Date:	11-Jun-2020 23:53:30	Instrument ID:	MR		
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5		
Client ID:	OFFSITE DDC MID-2				
Operator ID:	HMT	ALS Bottle#:	9	Worklist Smp#:	22
Purge Vol:	500.000 mL	Dil. Factor:	2.0600		
Method:	MR_TO15	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
13.40	75.00	3837	0.042679
13.40	39.00	77986	
13.41	77.00	6446	

Reviewer: khachitpongpanits, 12-Jun-2020 12:34:10

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.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC MID-2 DL Lab Sample ID: 140-19327-5 DL

Matrix: Air Lab File ID: HF15P110.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:27

Sample wt/vol: 25(mL) Date Analyzed: 06/15/2020 22:36

Soil Aliquot Vol: Dilution Factor: 2.06

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40282 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
67-63-0	2-Propanol	60.10	700	D	33	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC MID-2 DL Lab Sample ID: 140-19327-5 DL

Matrix: Air Lab File ID: HF15P110.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:27

Sample wt/vol: 25(mL) Date Analyzed: 06/15/2020 22:36

Soil Aliquot Vol: Dilution Factor: 2.06

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40282 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
67-63-0	2-Propanol	60.10	1700	D	81	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HF15P110.D
Lims ID: 140-19327-A-5
Client ID: OFFSITE DDC MID-2
Sample Type: Client
Inject. Date: 15-Jun-2020 22:36:30 ALS Bottle#: 10 Worklist Smp#: 17
Purge Vol: 500.000 mL Dil. Factor: 2.0600
Sample Info: 140-0015724-017
Misc. Info.: 140-19327-a-5@2.06
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 16-Jun-2020 12:46:46 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: khachitpongpanits Date: 16-Jun-2020 12:47:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.577	8.572	0.005	94	117426	4.00	
* 2 1,4-Difluorobenzene	114	10.779	10.779	0.000	96	846388	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.565	15.565	0.000	92	645256	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.213	17.234	-0.021	86	428930	3.96	
8 Dichlorodifluoromethane	85	3.605	3.602	0.005	98	3508	0.0184	
17 Ethanol	31	4.561	4.559	0.005	92	174239	8.32	
20 Trichlorofluoromethane	101	5.011	5.014	0.000	98	5523	0.0323	
23 Acetone	58	5.145	5.133	0.015	99	33304	1.26	
25 Isopropyl alcohol	45	5.223	5.216	0.011	98	1264037	17.0	
31 Methylene Chloride	84	6.050	6.053	0.000	96	92147	1.18	
33 Carbon disulfide	76	6.215	6.209	0.010	91	2293	0.0134	
39 2-Butanone (MEK)	72	7.822	7.817	0.010	85	2842	0.1137	
40 Hexane	56	7.838	7.832	0.010	83	11231	0.2659	
42 cis-1,2-Dichloroethene	96	8.236	8.246	-0.005	88	1875	0.0318	
46 Tetrahydrofuran	42	9.016	8.980	0.041	89	3186	0.0553	
50 Cyclohexane	69	10.221	10.215	0.006	70	1724	0.0707	
51 Benzene	78	10.221	10.215	0.006	92	10867	0.0590	
55 Isooctane	57	11.001	10.991	0.010	96	42298	0.1512	
56 n-Heptane	71	11.389	11.378	0.011	80	3149	0.0608	
67 Toluene	91	13.580	13.580	0.000	93	55562	0.3096	
76 Ethylbenzene	91	15.906	15.906	0.000	98	10927	0.0469	
77 m-Xylene & p-Xylene	91	16.066	16.066	0.000	97	29822	0.1679	
81 o-Xylene	91	16.593	16.593	0.000	96	10883	0.0591	
88 1,3,5-Trimethylbenzene	120	17.984	18.014	-0.031	79	1651	0.0424	
92 1,2,4-Trimethylbenzene	105	18.449	18.469	-0.020	98	9239	0.0424	

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

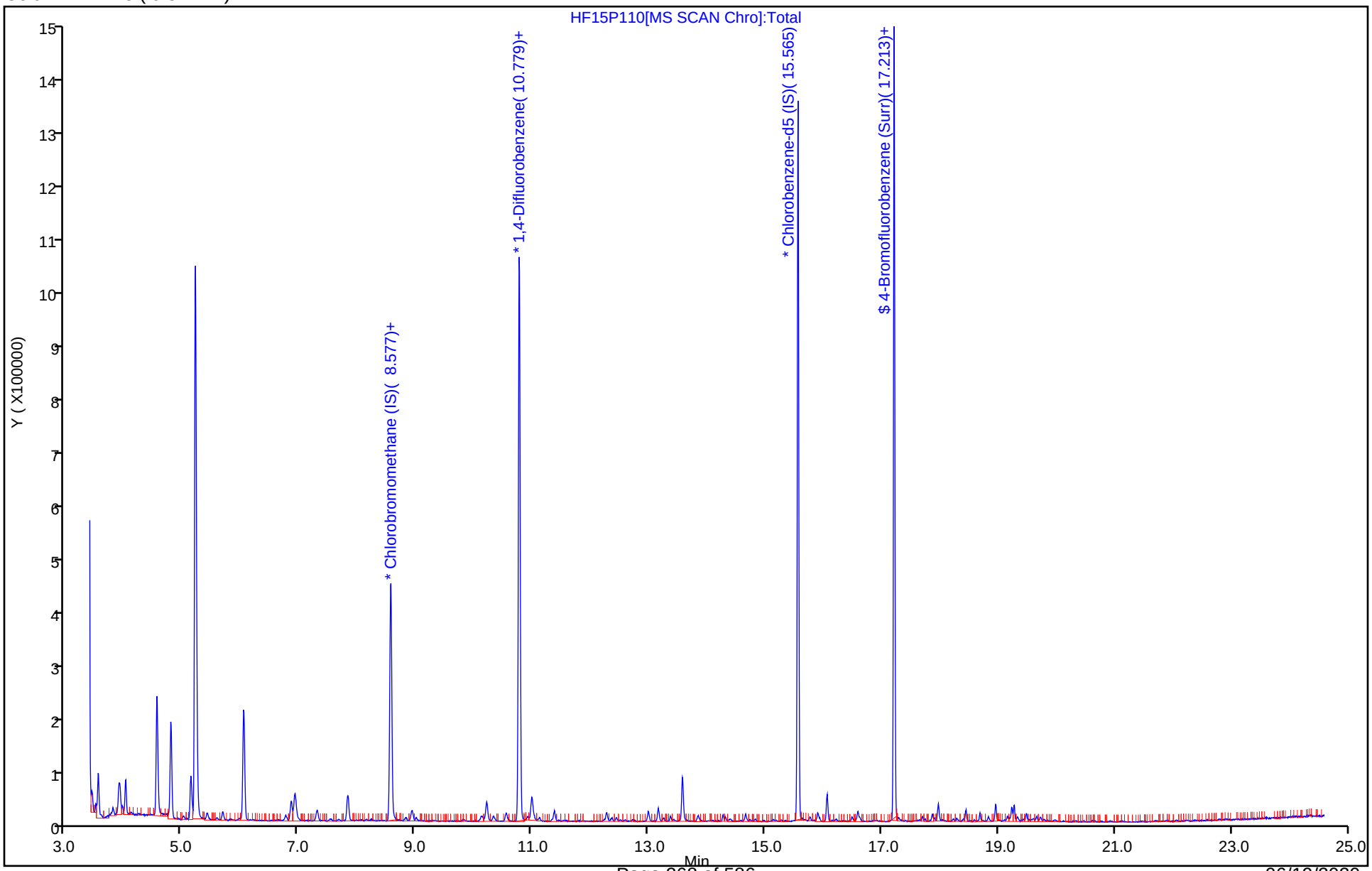
Report Date: 16-Jun-2020 12:47:25 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HF15P110.D

Injection Date:	15-Jun-2020 22:36:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5	Worklist Smp#:	17
Client ID:	OFFSITE DDC MID-2				
Purge Vol:	500.000 mL	Dil. Factor:	2.0600	ALS Bottle#:	10
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\20200612-15724.b\HF15P110.D				
Lims ID:	140-19327-A-5				
Client ID:	OFFSITE DDC MID-2				
Sample Type:	Client				
Inject. Date:	15-Jun-2020 22:36:30	ALS Bottle#:	10	Worklist Smp#:	17
Purge Vol:	500.000 mL	Dil. Factor:	2.0600		
Sample Info:	140-0015724-017				
Misc. Info.:	140-19327-a-5@2.06				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20200612-15724.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	16-Jun-2020 12:46:46	Calib Date:	16-Apr-2020 18:34:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1015				

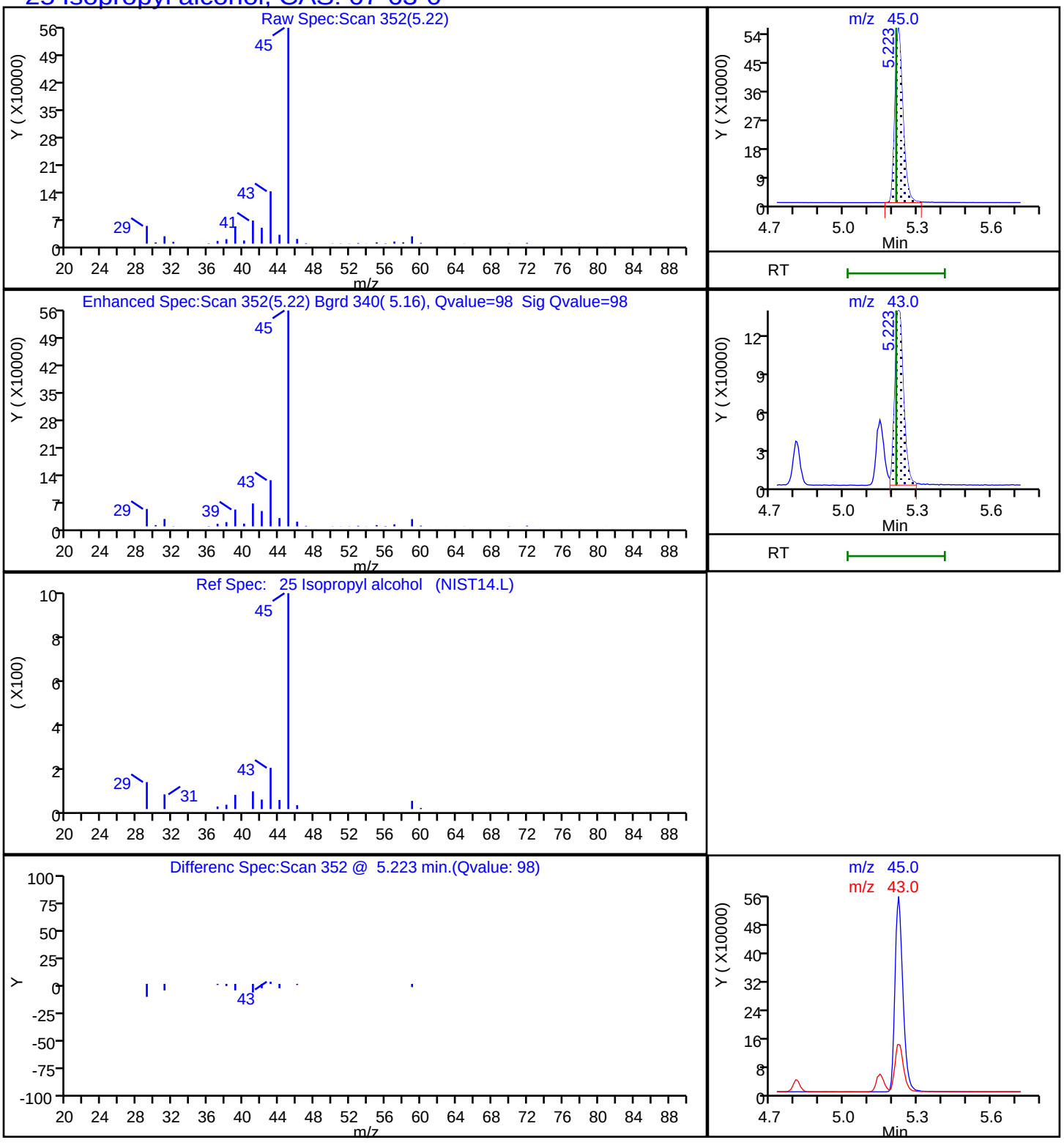
First Level Reviewer: khachitpongpanits Date: 16-Jun-2020 12:47:25

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.96	99.06

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HF15P110.D				
Injection Date:	15-Jun-2020 22:36:30	Instrument ID:	MH		
Lims ID:	140-19327-A-5	Lab Sample ID:	140-19327-5		
Client ID:	OFFSITE DDC MID-2				
Operator ID:	HMT	ALS Bottle#:	10	Worklist Smp#:	17
Purge Vol:	500.000 mL	Dil. Factor:	2.0600		
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.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC EFF Lab Sample ID: 140-19327-6

Matrix: Air Lab File ID: RF11P110.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:30

Sample wt/vol: 140(mL) Date Analyzed: 06/12/2020 00:43

Soil Aliquot Vol: Dilution Factor: 2.23

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40256 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.64	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.64	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.64	
75-34-3	1,1-Dichloroethane	98.96	ND		0.64	
75-35-4	1,1-Dichloroethene	96.94	ND		0.32	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.64	
95-63-6	1,2,4-Trimethylbenzene	120.20	5.6		0.64	
106-93-4	1,2-Dibromoethane	187.87	ND		0.64	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.64	
107-06-2	1,2-Dichloroethane	98.96	ND		0.64	
78-87-5	1,2-Dichloropropane	112.99	ND		0.64	
108-67-8	1,3,5-Trimethylbenzene	120.20	2.2		0.64	
106-99-0	1,3-Butadiene	54.09	ND		1.3	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.64	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.64	
123-91-1	1,4-Dioxane	88.11	ND		1.6	
540-84-1	2,2,4-Trimethylpentane	114.23	5.8		1.6	
78-93-3	2-Butanone	72.11	7.0		2.5	
591-78-6	2-Hexanone	100.20	ND		1.6	
67-63-0	*2-Propanol*	*60.10*	*780*	*E*	*6.4*	
107-05-1	3-Chloropropene	76.53	ND		0.64	
622-96-8	4-Ethyltoluene	120.20	1.6		1.3	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		1.6	
67-64-1	Acetone	58.08	51		16	
100-44-7	alpha-Chlorotoluene	126.58	ND		1.3	
71-43-2	Benzene	78.11	1.9		0.64	
75-27-4	Bromodichloromethane	163.83	ND		0.64	
75-25-2	Bromoform	252.75	ND		0.64	
74-83-9	Bromomethane	94.94	ND		0.64	
75-15-0	Carbon disulfide	76.14	ND		1.6	
56-23-5	Carbon tetrachloride	153.81	ND		0.25	
108-90-7	Chlorobenzene	112.56	ND		0.64	
75-00-3	Chloroethane	64.52	ND		0.64	
67-66-3	Chloroform	119.38	ND		0.64	
74-87-3	Chloromethane	50.49	ND		1.6	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC EFF Lab Sample ID: 140-19327-6

Matrix: Air Lab File ID: RF11P110.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:30

Sample wt/vol: 140(mL) Date Analyzed: 06/12/2020 00:43

Soil Aliquot Vol: Dilution Factor: 2.23

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40256 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	2.0		0.32	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.64	
98-82-8	Cumene	120.19	ND		1.3	
110-82-7	Cyclohexane	84.16	1.8		1.6	
124-48-1	Dibromochloromethane	208.29	ND		0.64	
64-17-5	Ethanol	46.07	190		16	
100-41-4	Ethylbenzene	106.17	3.9		0.64	
75-69-4	Freon 11	137.37	ND		0.64	
76-13-1	Freon 113	187.38	ND		0.64	
75-71-8	Freon 12	120.91	ND	*	0.64	
76-14-2	Freon-114	170.92	ND	*	0.64	
142-82-5	Heptane	100.21	3.2		1.6	
87-68-3	Hexachlorobutadiene	260.76	ND		0.64	
110-54-3	Hexane	86.17	5.5		1.6	
1634-04-4	Methyl tert-butyl ether	88.15	ND		1.3	
75-09-2	Methylene Chloride	84.93	ND		3.2	
179601-23-1	m-Xylene & p-Xylene	106.17	14		0.64	
95-47-6	o-Xylene	106.17	5.1		0.64	
103-65-1	Propylbenzene	120.19	ND		1.3	
100-42-5	Styrene	104.15	ND		0.64	
127-18-4	Tetrachloroethene	165.83	ND		0.64	
109-99-9	Tetrahydrofuran	72.11	4.2		3.2	
108-88-3	Toluene	92.14	16		0.96	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.64	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.64	
79-01-6	Trichloroethene	131.39	1.0		0.29	
75-01-4	Vinyl chloride	62.50	0.37		0.32	

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.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC EFF Lab Sample ID: 140-19327-6

Matrix: Air Lab File ID: RF11P110.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:30

Sample wt/vol: 140(mL) Date Analyzed: 06/12/2020 00:43

Soil Aliquot Vol: Dilution Factor: 2.23

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40256 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		3.5	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		4.4	
79-00-5	1,1,2-Trichloroethane	133.41	ND		3.5	
75-34-3	1,1-Dichloroethane	98.96	ND		2.6	
75-35-4	1,1-Dichloroethene	96.94	ND		1.3	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		4.7	
95-63-6	1,2,4-Trimethylbenzene	120.20	28		3.1	
106-93-4	1,2-Dibromoethane	187.87	ND		4.9	
95-50-1	1,2-Dichlorobenzene	147.00	ND		3.8	
107-06-2	1,2-Dichloroethane	98.96	ND		2.6	
78-87-5	1,2-Dichloropropane	112.99	ND		2.9	
108-67-8	1,3,5-Trimethylbenzene	120.20	11		3.1	
106-99-0	1,3-Butadiene	54.09	ND		2.8	
541-73-1	1,3-Dichlorobenzene	147.00	ND		3.8	
106-46-7	1,4-Dichlorobenzene	147.00	ND		3.8	
123-91-1	1,4-Dioxane	88.11	ND		5.7	
540-84-1	2,2,4-Trimethylpentane	114.23	27		7.4	
78-93-3	2-Butanone	72.11	21		7.5	
591-78-6	2-Hexanone	100.20	ND		6.5	
67-63-0	*2-Propanol*	*60.10*	*1900*	*E*	*16*	
107-05-1	3-Chloropropene	76.53	ND		2.0	
622-96-8	4-Ethyltoluene	120.20	8.0		6.3	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		6.5	
67-64-1	Acetone	58.08	120		38	
100-44-7	alpha-Chlorotoluene	126.58	ND		6.6	
71-43-2	Benzene	78.11	6.1		2.0	
75-27-4	Bromodichloromethane	163.83	ND		4.3	
75-25-2	Bromoform	252.75	ND		6.6	
74-83-9	Bromomethane	94.94	ND		2.5	
75-15-0	Carbon disulfide	76.14	ND		5.0	
56-23-5	Carbon tetrachloride	153.81	ND		1.6	
108-90-7	Chlorobenzene	112.56	ND		2.9	
75-00-3	Chloroethane	64.52	ND		1.7	
67-66-3	Chloroform	119.38	ND		3.1	
74-87-3	Chloromethane	50.49	ND		3.3	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC EFF Lab Sample ID: 140-19327-6

Matrix: Air Lab File ID: RF11P110.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:30

Sample wt/vol: 140(mL) Date Analyzed: 06/12/2020 00:43

Soil Aliquot Vol: Dilution Factor: 2.23

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40256 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	8.1		1.3	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		2.9	
98-82-8	Cumene	120.19	ND		6.3	
110-82-7	Cyclohexane	84.16	6.2		5.5	
124-48-1	Dibromochloromethane	208.29	ND		5.4	
64-17-5	Ethanol	46.07	360		30	
100-41-4	Ethylbenzene	106.17	17		2.8	
75-69-4	Freon 11	137.37	ND		3.6	
76-13-1	Freon 113	187.38	ND		4.9	
75-71-8	Freon 12	120.91	ND	*	3.2	
76-14-2	Freon-114	170.92	ND	*	4.5	
142-82-5	Heptane	100.21	13		6.5	
87-68-3	Hexachlorobutadiene	260.76	ND		6.8	
110-54-3	Hexane	86.17	19		5.6	
1634-04-4	Methyl tert-butyl ether	88.15	ND		4.6	
75-09-2	Methylene Chloride	84.93	ND		11	
179601-23-1	m-Xylene & p-Xylene	106.17	59		2.8	
95-47-6	o-Xylene	106.17	22		2.8	
103-65-1	Propylbenzene	120.19	ND		6.3	
100-42-5	Styrene	104.15	ND		2.7	
127-18-4	Tetrachloroethene	165.83	ND		4.3	
109-99-9	Tetrahydrofuran	72.11	13		9.4	
108-88-3	Toluene	92.14	60		3.6	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		2.5	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		2.9	
79-01-6	Trichloroethene	131.39	5.5		1.5	
75-01-4	Vinyl chloride	62.50	0.96		0.81	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D
Lims ID: 140-19327-A-6
Client ID: OFFSITE DDC EFF
Sample Type: Client
Inject. Date: 12-Jun-2020 00:43:30 ALS Bottle#: 10 Worklist Smp#: 23
Purge Vol: 500.000 mL Dil. Factor: 2.2300
Sample Info: 140-0015714-023
Misc. Info.: 140-19327-a-6@2.23
Operator ID: HMT Instrument ID: MR

Method: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Jun-2020 12:42:22 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1031

First Level Reviewer: khachitpongpanits Date: 12-Jun-2020 12:42:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.334	8.318	0.016	78	172325	4.00	
* 2 1,4-Difluorobenzene	114	10.572	10.561	0.011	93	1255740	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.398	15.398	0.000	84	1050746	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.048	17.048	0.000	95	544985	3.85	
8 Dichlorodifluoromethane	85	3.394	3.385	0.016	50	3266	0.0351	
9 Chloromethane	52	3.567	3.567	0.022	90	3399	0.1933	M
12 Vinyl chloride	62	3.723	3.714	0.016	32	3543	0.0471	
14 Butadiene	54	3.809	3.795	0.021	26	993	0.0193	
17 Ethanol	31	4.370	4.330	0.048	96	1121732	23.8	
20 Trichlorofluoromethane	101	4.775	4.757	0.027	72	9288	0.0421	
23 Acetone	58	4.904	4.887	0.027	98	196207	6.38	
25 Isopropyl alcohol	45	5.023	4.979	0.054	100	8119073	98.0	E
27 1,1-Dichloroethene	96	5.460	5.442	0.022	32	2119	0.0303	
31 Methylene Chloride	84	5.810	5.789	0.032	91	47949	0.1629	
33 Carbon disulfide	76	5.956	5.946	0.022	59	15935	0.0896	
39 2-Butanone (MEK)	72	7.590	7.572	0.033	89	26634	0.8831	
40 Hexane	56	7.590	7.593	0.011	70	26494	0.6941	
42 cis-1,2-Dichloroethene	96	8.005	8.004	0.016	90	16794	0.2554	
44 Chloroform	83	8.344	8.350	0.010	28	2821	0.0210	
46 Tetrahydrofuran	42	8.765	8.754	0.038	87	33030	0.5333	
50 Cyclohexane	69	9.989	9.983	0.016	60	6635	0.2262	
51 Benzene	78	9.984	9.989	0.006	92	48579	0.2415	
52 Carbon tetrachloride	117	10.011	9.995	0.011	27	1436	0.008496	
55 Isooctane	57	10.793	10.787	0.017	93	179940	0.7301	
56 n-Heptane	71	11.186	11.187	0.011	92	25895	0.4065	
58 Trichloroethene	130	11.305	11.300	0.011	92	13475	0.1280	
67 Toluene	91	13.403	13.403	-0.001	94	472581	2.01	
73 Tetrachloroethene	129	14.562	14.562	0.000	46	3239	0.0335	
76 Ethylbenzene	91	15.743	15.737	0.006	97	152253	0.4883	
77 m-Xylene & p-Xylene	91	15.899	15.905	-0.006	97	422172	1.70	
81 o-Xylene	91	16.428	16.428	0.000	98	164263	0.6420	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.015	17.021	-0.006	2	20967	0.0533	
85 N-Propylbenzene	120	17.565	17.565	0.000	98	13251	0.1224	
87 4-Ethyltoluene	105	17.716	17.716	-0.011	97	80170	0.2036	M
88 1,3,5-Trimethylbenzene	120	17.797	17.803	-0.006	74	46110	0.2778	
92 1,2,4-Trimethylbenzene	105	18.250	18.250	0.000	96	232185	0.7029	
94 1,3-Dichlorobenzene	146	18.520	18.525	-0.005	92	19216	0.0793	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

M - Manually Integrated

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

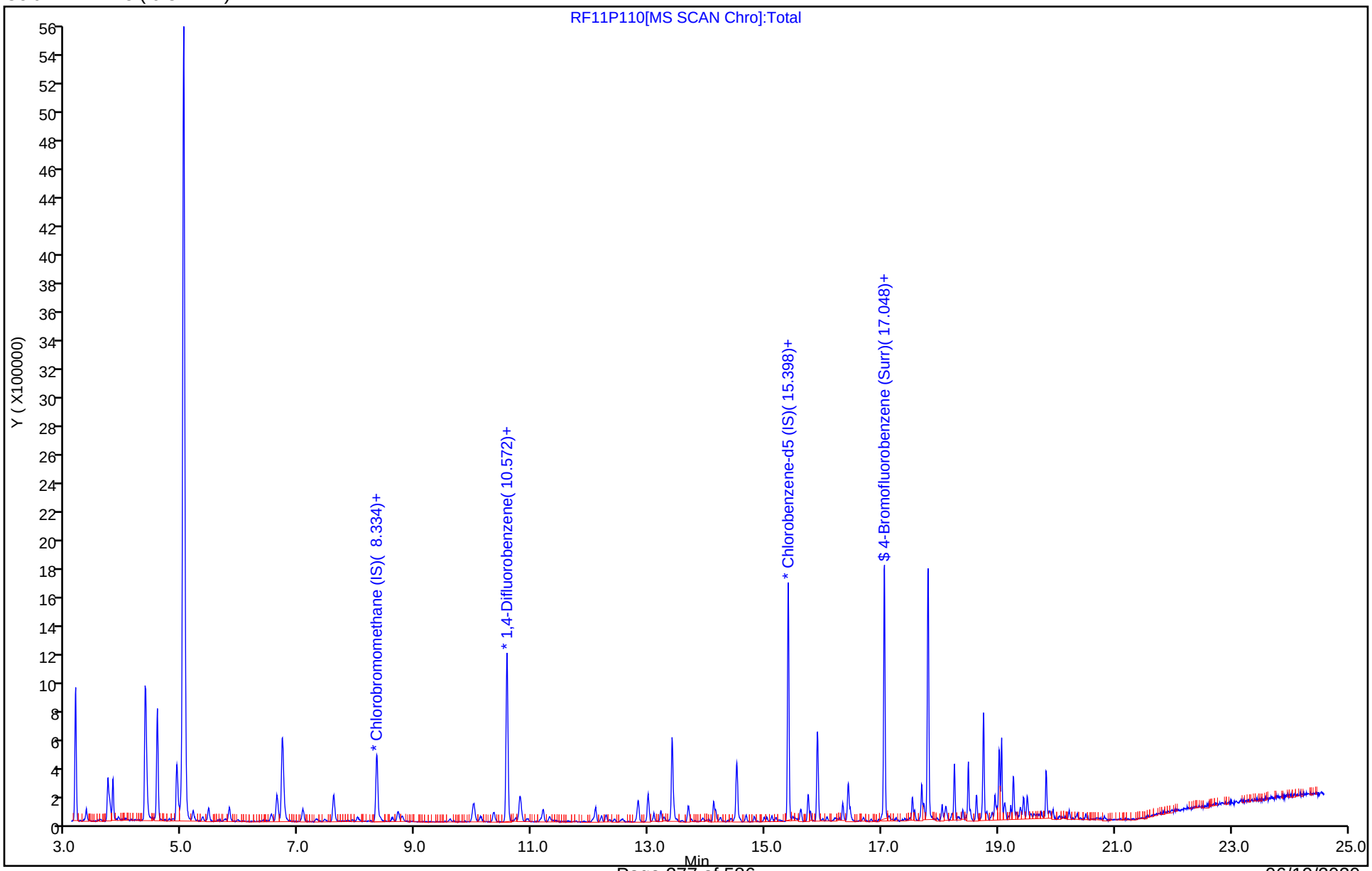
Report Date: 12-Jun-2020 12:42:22 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D

Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6	Worklist Smp#:	23
Client ID:	OFFSITE DDC EFF				
Purge Vol:	500.000 mL	Dil. Factor:	2.2300	ALS Bottle#:	10
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D				
Lims ID:	140-19327-A-6				
Client ID:	OFFSITE DDC EFF				
Sample Type:	Client				
Inject. Date:	12-Jun-2020 00:43:30	ALS Bottle#:	10	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300		
Sample Info:	140-0015714-023				
Misc. Info.:	140-19327-a-6@2.23				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Jun-2020 12:42:22	Calib Date:	14-May-2020 00:39:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1031				

First Level Reviewer: khachitpongpanits Date: 12-Jun-2020 12:42:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.85	96.14

Report Date: 12-Jun-2020 12:42:23 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D

Injection Date: 12-Jun-2020 00:43:30 Instrument ID: MR

Lims ID: 140-19327-A-6 Lab Sample ID: 140-19327-6

Client ID: OFFSITE DDC EFF

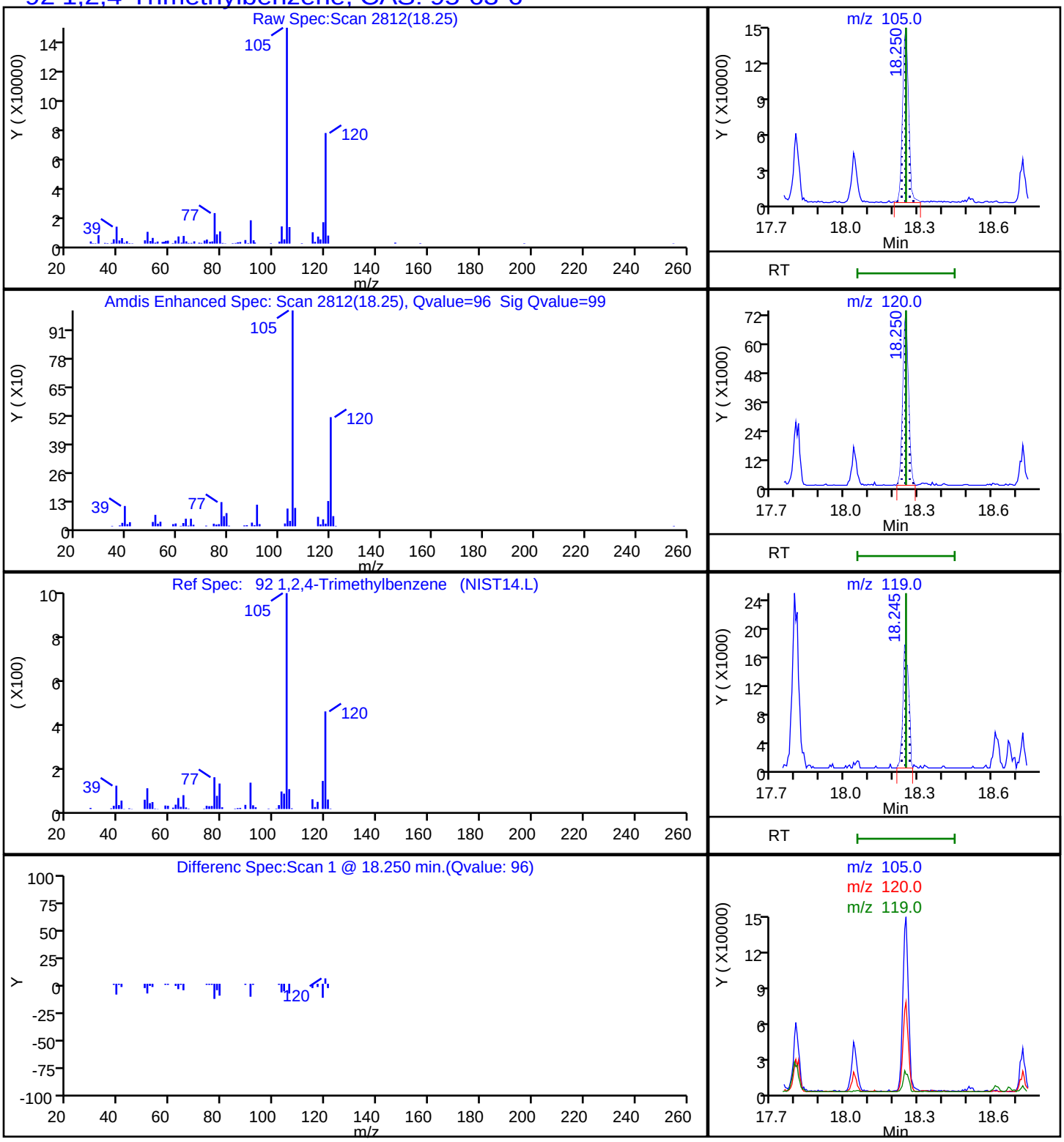
Operator ID: HMT ALS Bottle#: 10 Worklist Smp#: 23

Purge Vol: 500.000 mL Dil. Factor: 2.2300

Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

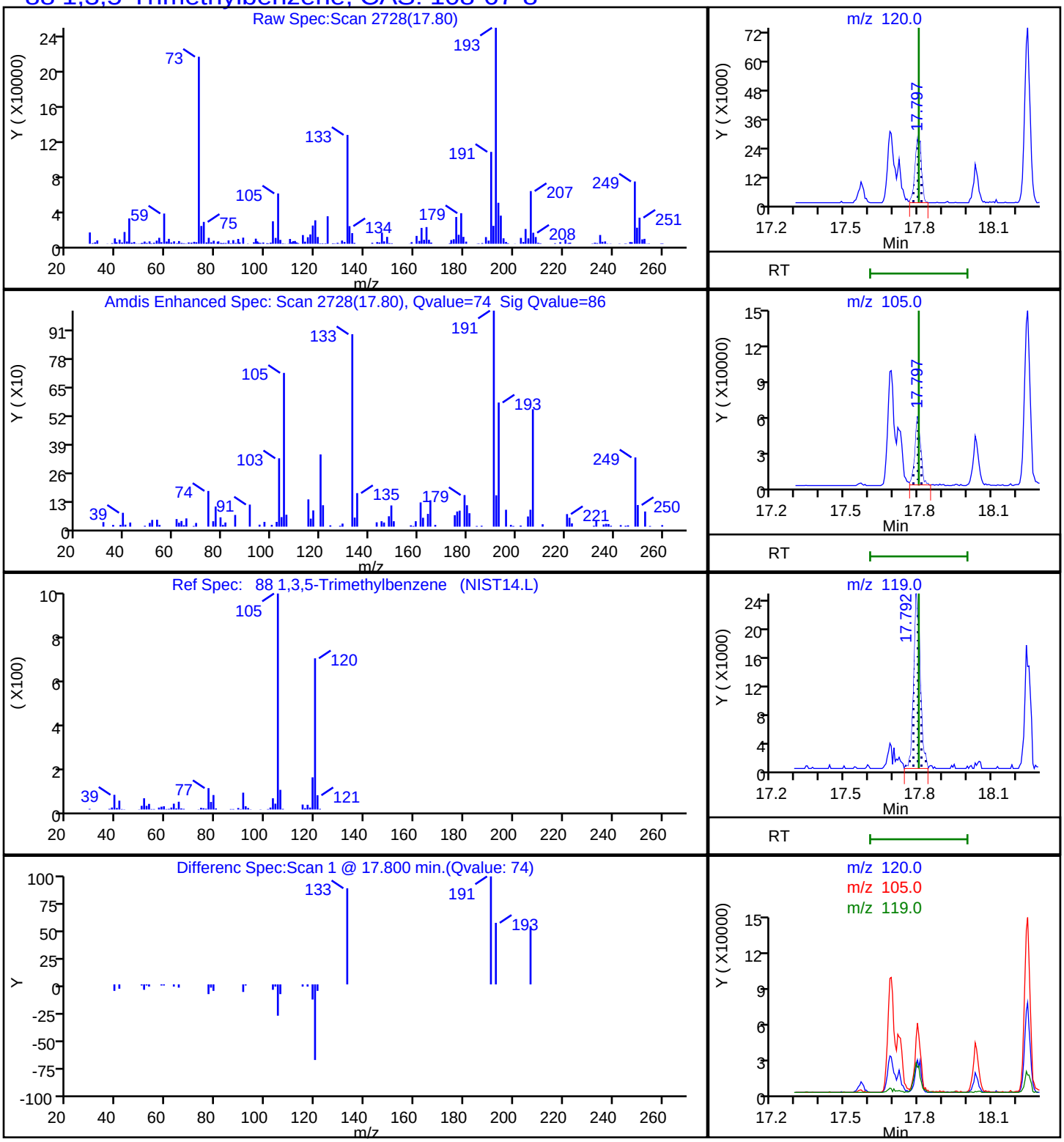
92 1,2,4-Trimethylbenzene, CAS: 95-63-6



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D				
Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR		
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6		
Client ID:	OFFSITE DDC EFF				
Operator ID:	HMT	ALS Bottle#:	10	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300		
Method:	MR_TO15	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



Report Date: 12-Jun-2020 12:42:23 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D

Injection Date: 12-Jun-2020 00:43:30 Instrument ID: MR

Lims ID: 140-19327-A-6 Lab Sample ID: 140-19327-6

Client ID: OFFSITE DDC EFF

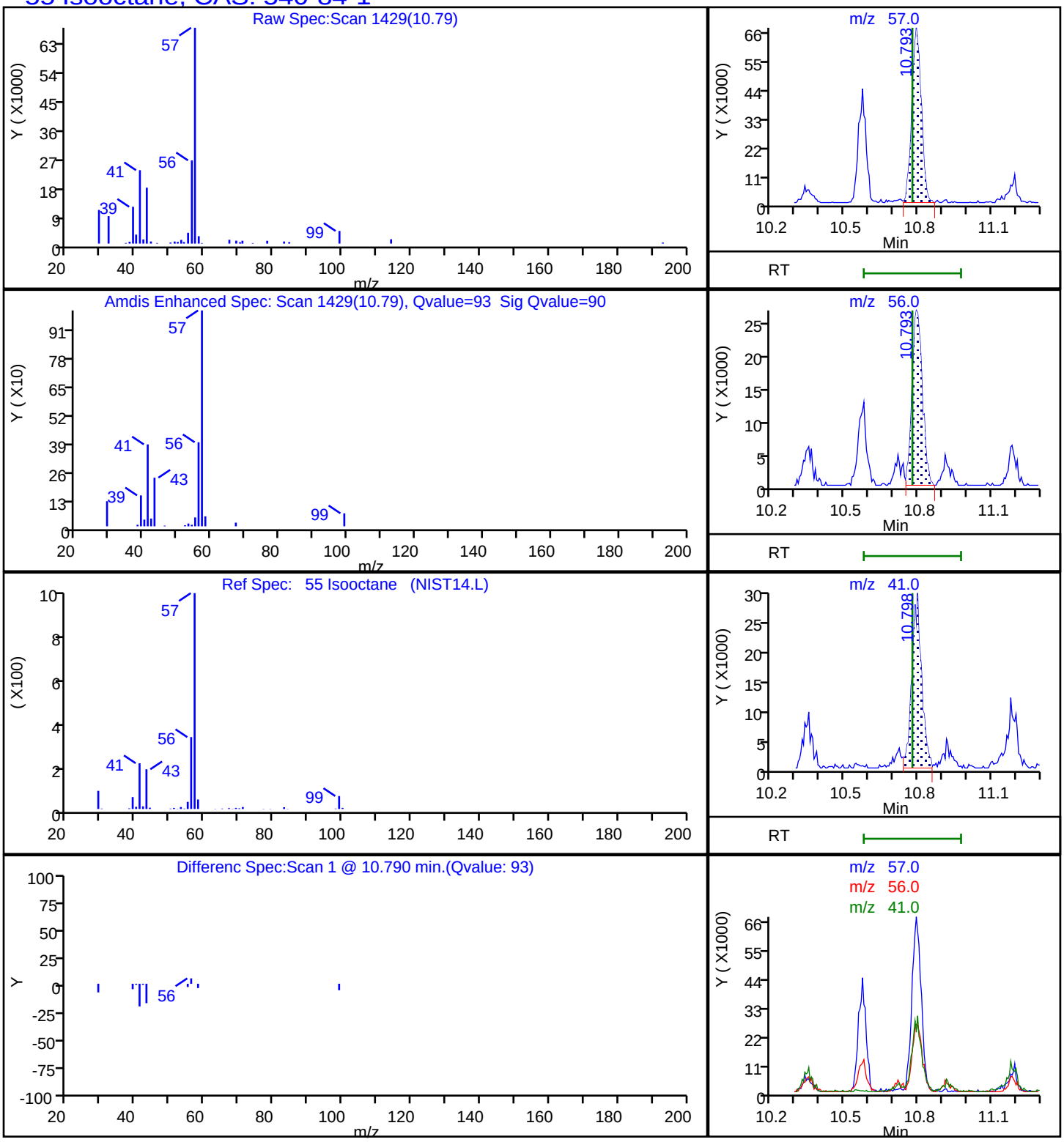
Operator ID: HMT ALS Bottle#: 10 Worklist Smp#: 23

Purge Vol: 500.000 mL Dil. Factor: 2.2300

Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

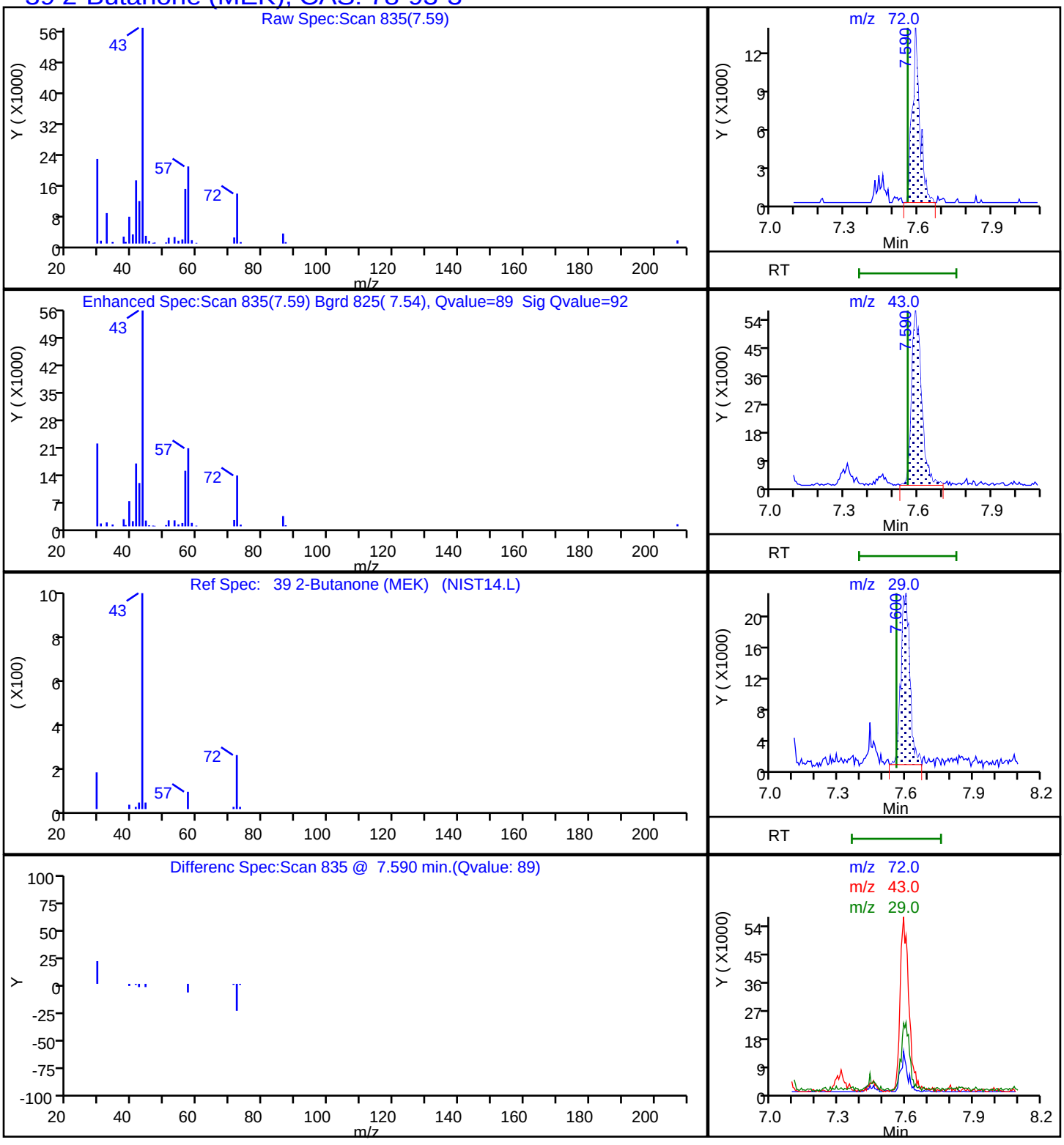
55 Isooctane, CAS: 540-84-1



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D		
Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6
Client ID:	OFFSITE DDC EFF		
Operator ID:	HMT	ALS Bottle#:	10 Worklist Smp#: 23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

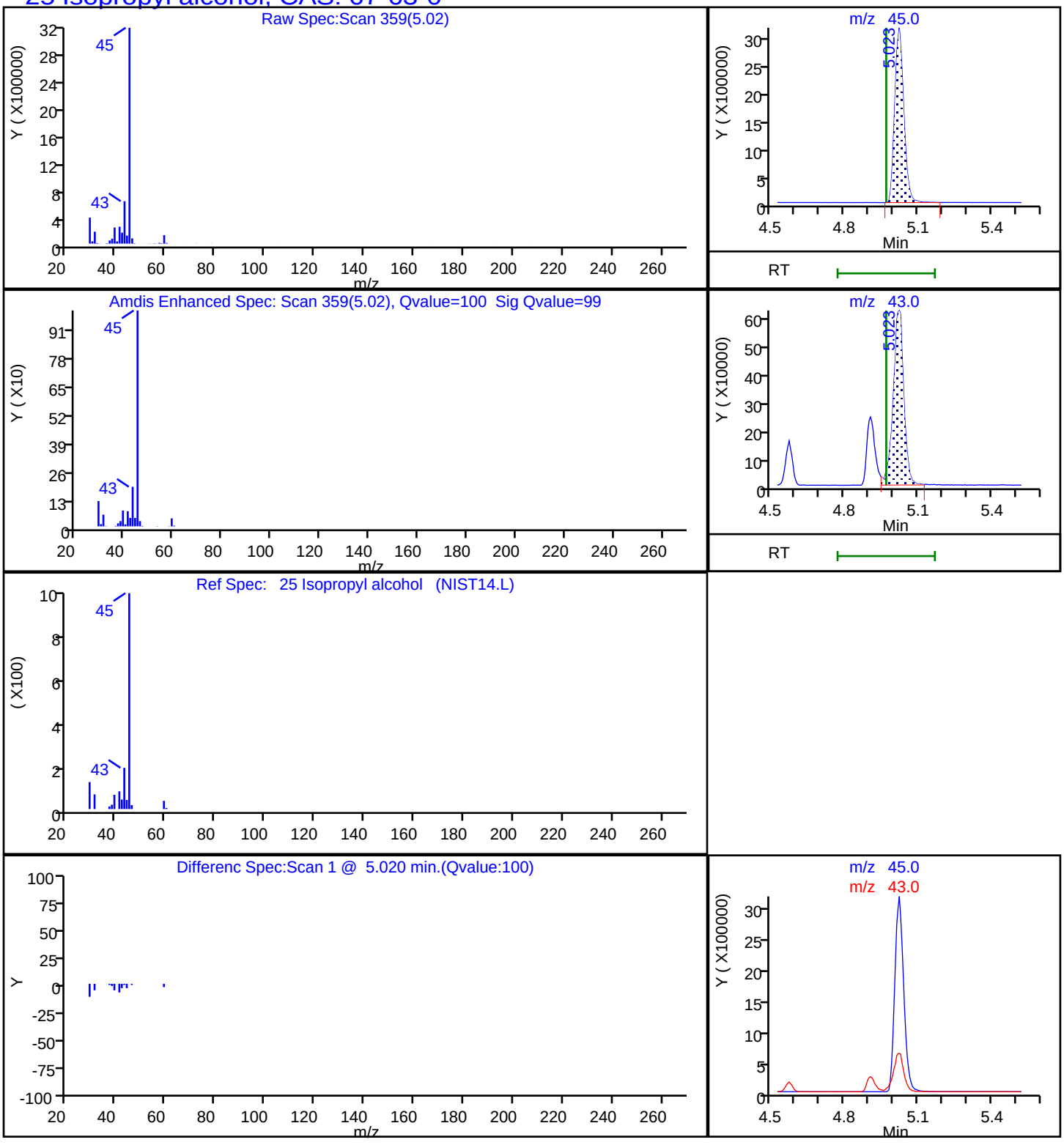
39 2-Butanone (MEK), CAS: 78-93-3



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D				
Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR		
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6		
Client ID:	OFFSITE DDC EFF				
Operator ID:	HMT	ALS Bottle#:	10	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

25 Isopropyl alcohol, CAS: 67-63-0

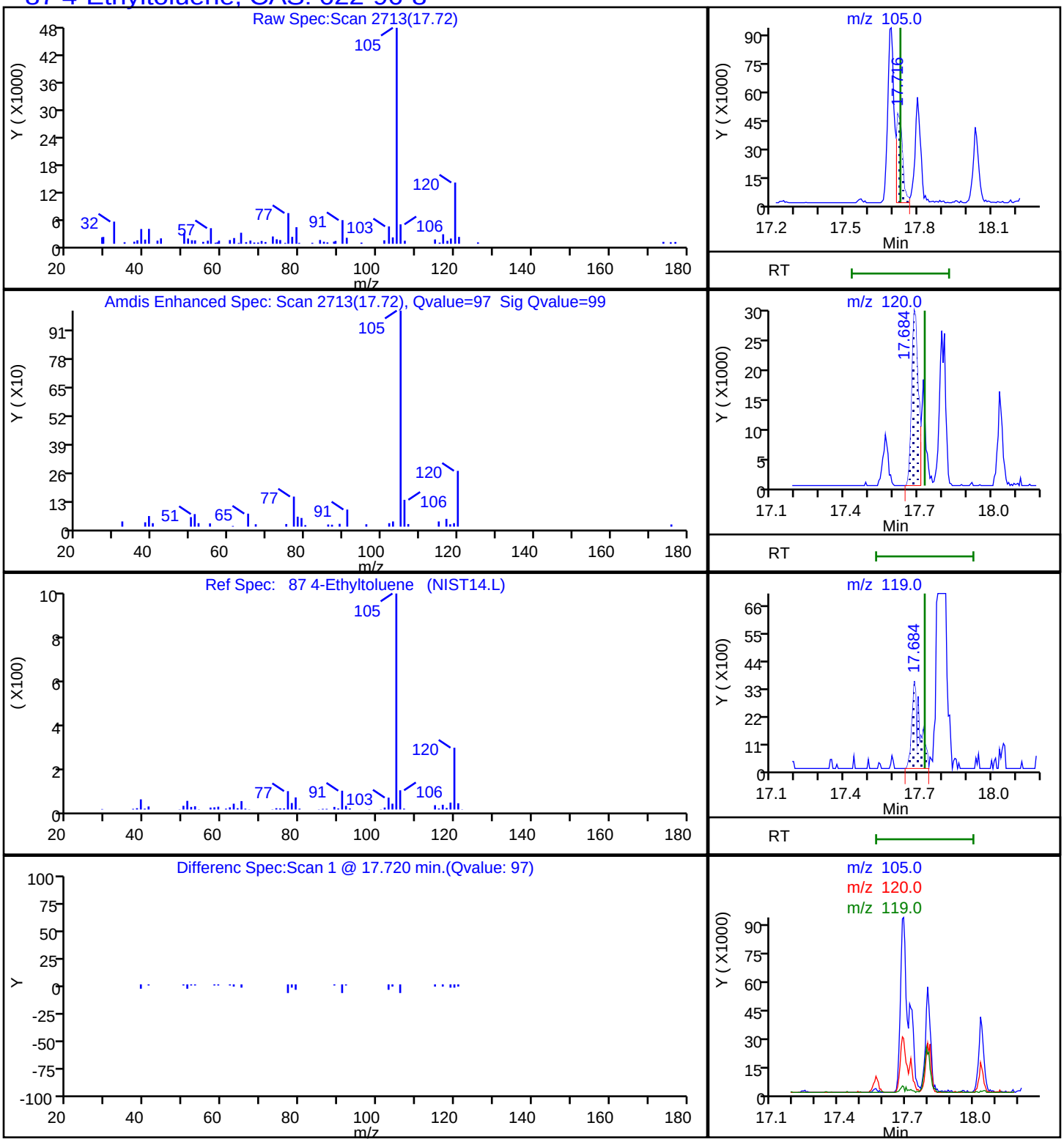


Report Date: 12-Jun-2020 12:42:23 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D				
Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR		
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6		
Client ID:	OFFSITE DDC EFF				
Operator ID:	HMT	ALS Bottle#:	10	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

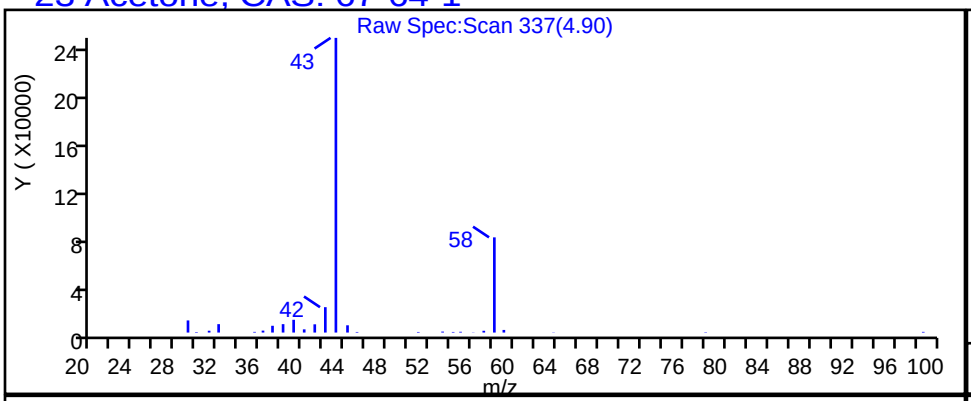
87 4-Ethyltoluene, CAS: 622-96-8

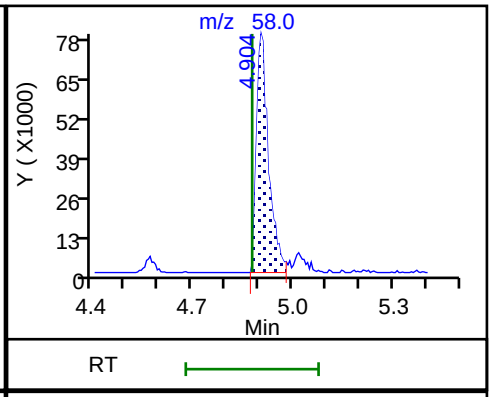


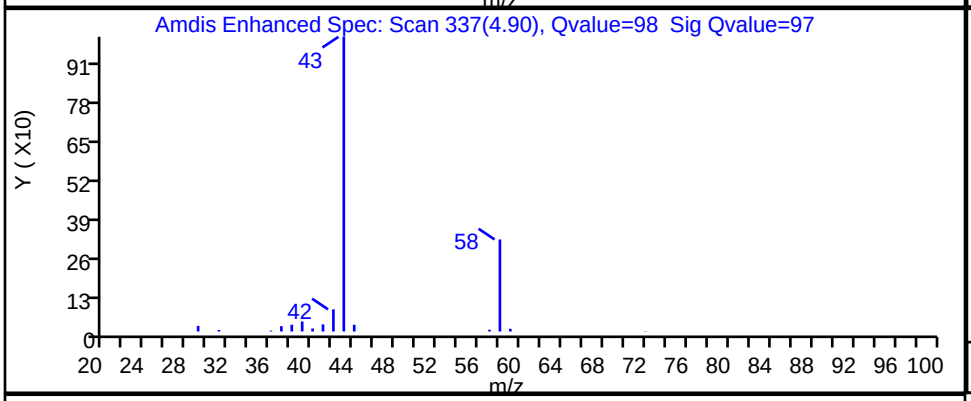
Eurofins TestAmerica, Knoxville

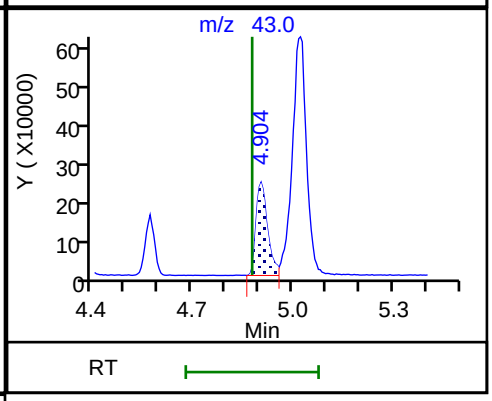
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Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6		
Client ID:	OFFSITE DDC EFF				
Operator ID:	HMT	ALS Bottle#:	10	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

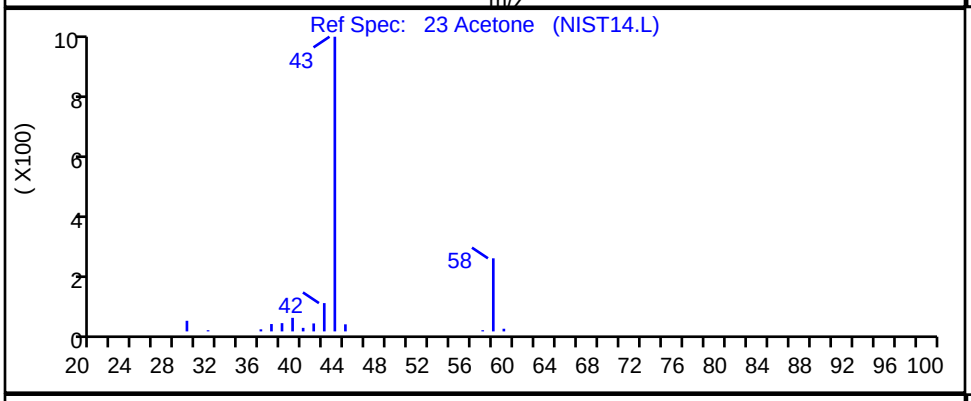
23 Acetone, CAS: 67-64-1

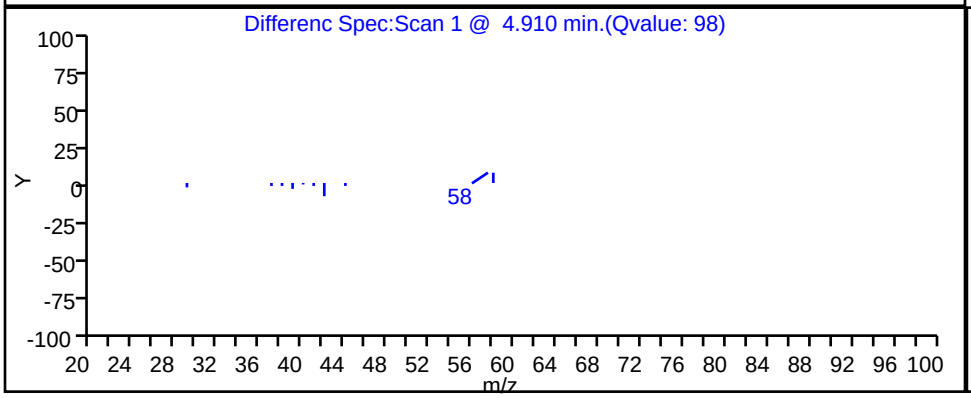


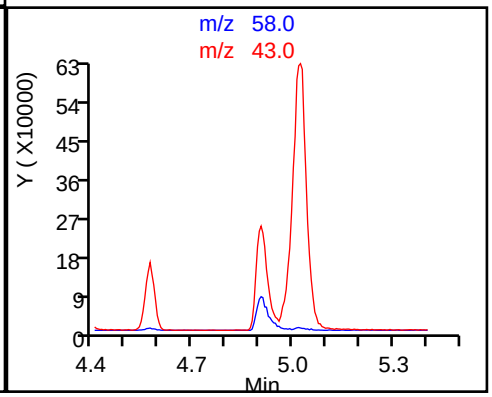








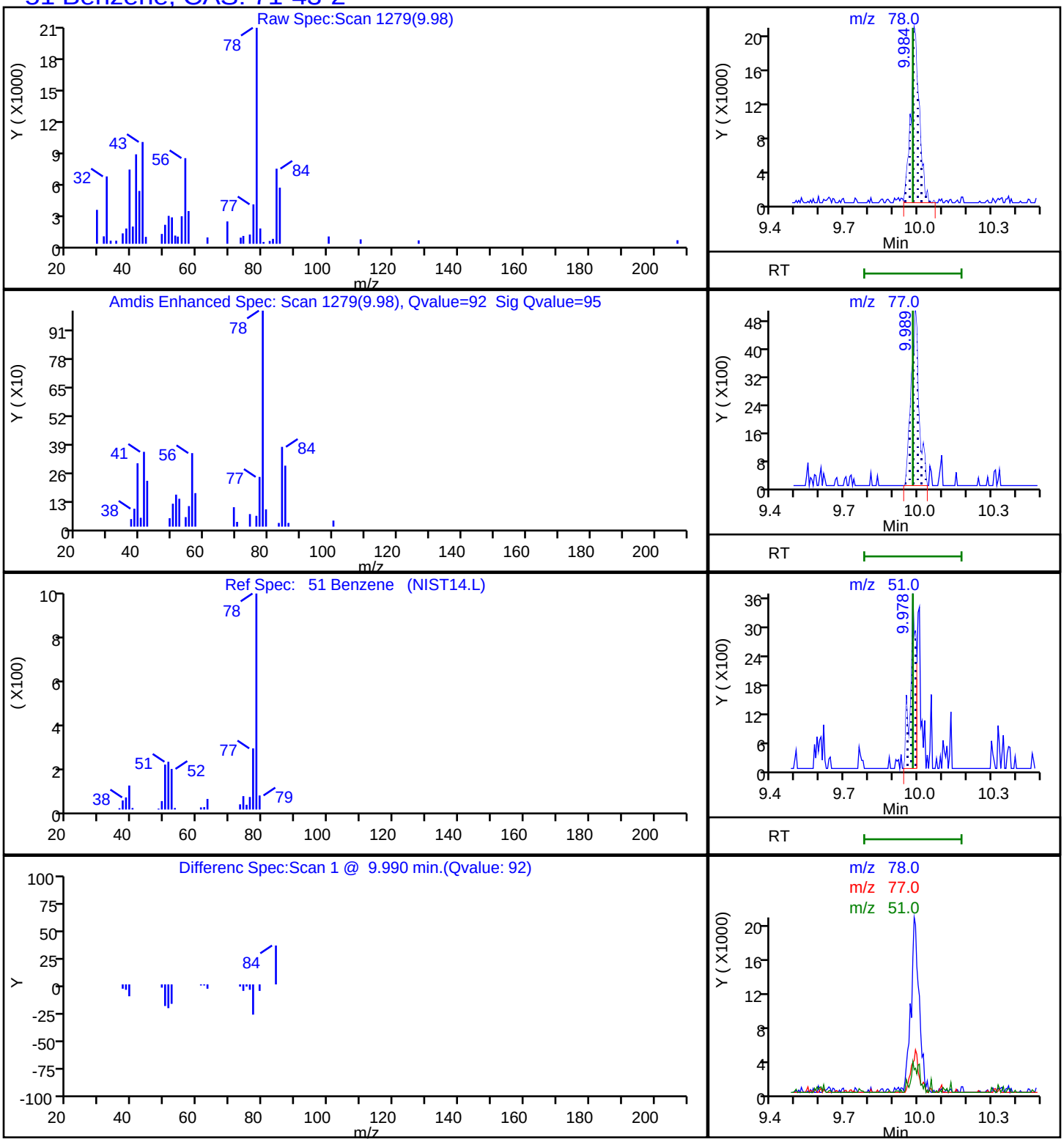




Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D				
Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR		
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6		
Client ID:	OFFSITE DDC EFF				
Operator ID:	HMT	ALS Bottle#:	10	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

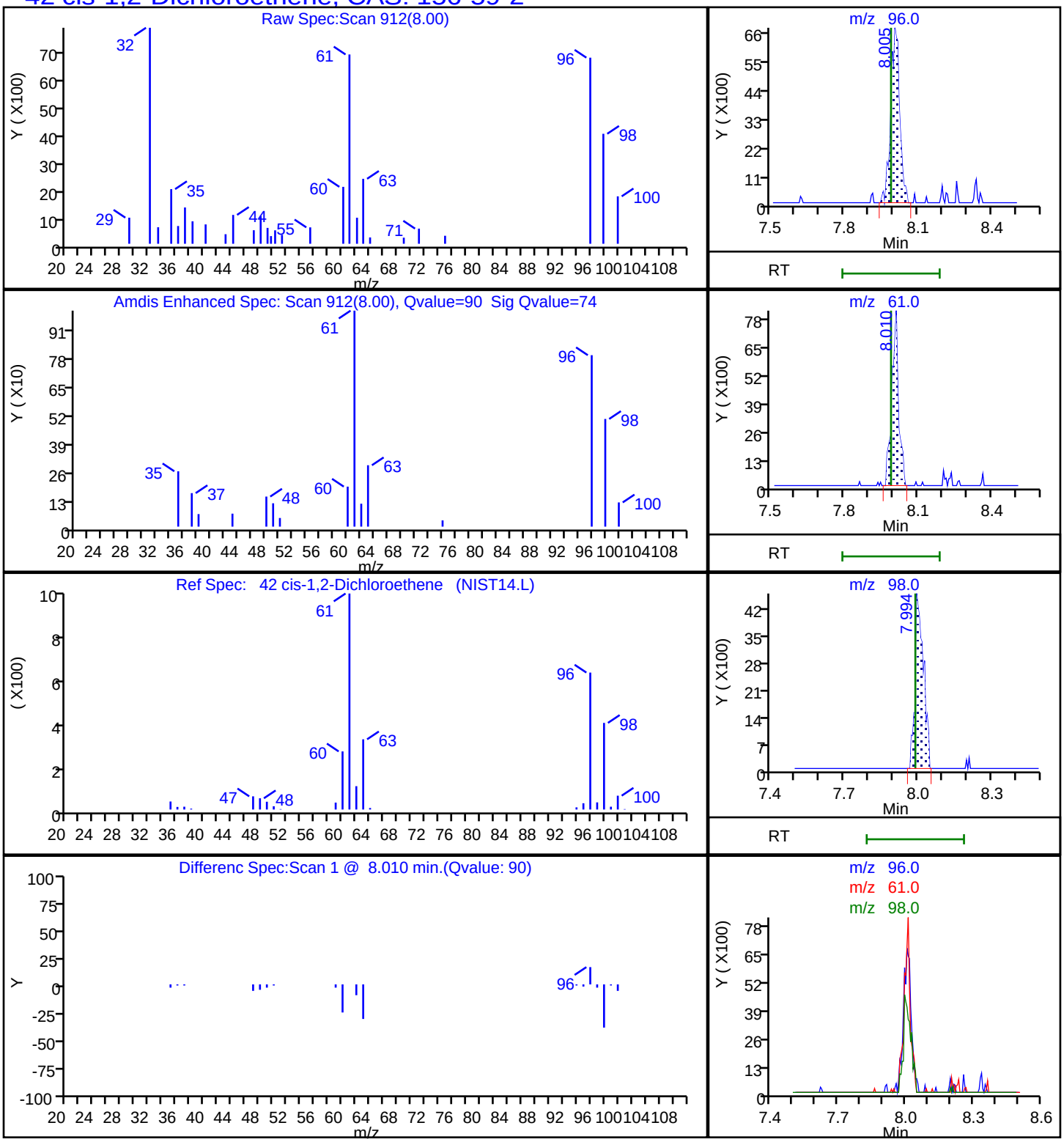
51 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D		
Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6
Client ID:	OFFSITE DDC EFF		
Operator ID:	HMT	ALS Bottle#:	10 Worklist Smp#: 23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

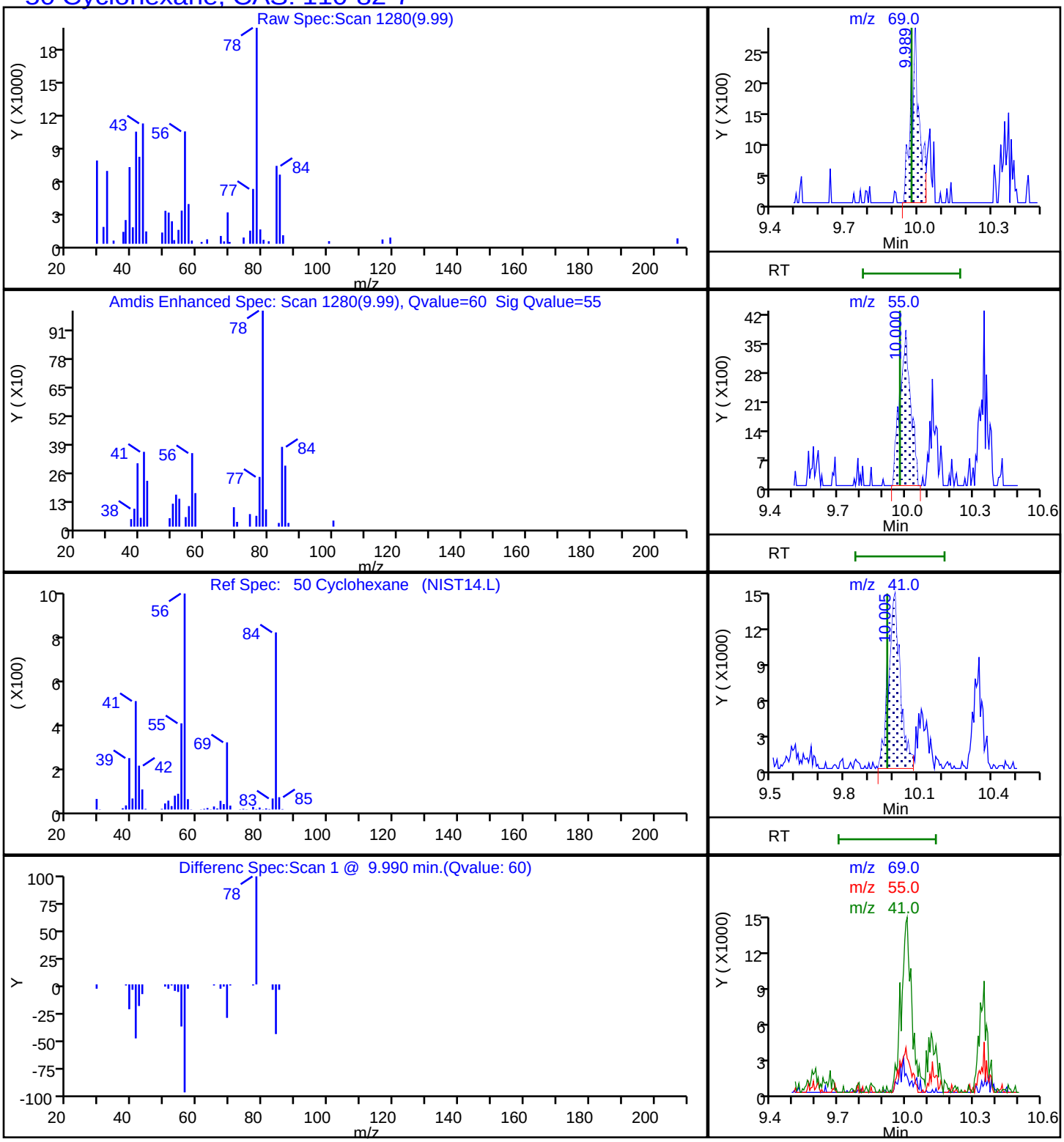
42 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D		
Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6
Client ID:	OFFSITE DDC EFF		
Operator ID:	HMT	ALS Bottle#:	10 Worklist Smp#: 23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

50 Cyclohexane, CAS: 110-82-7

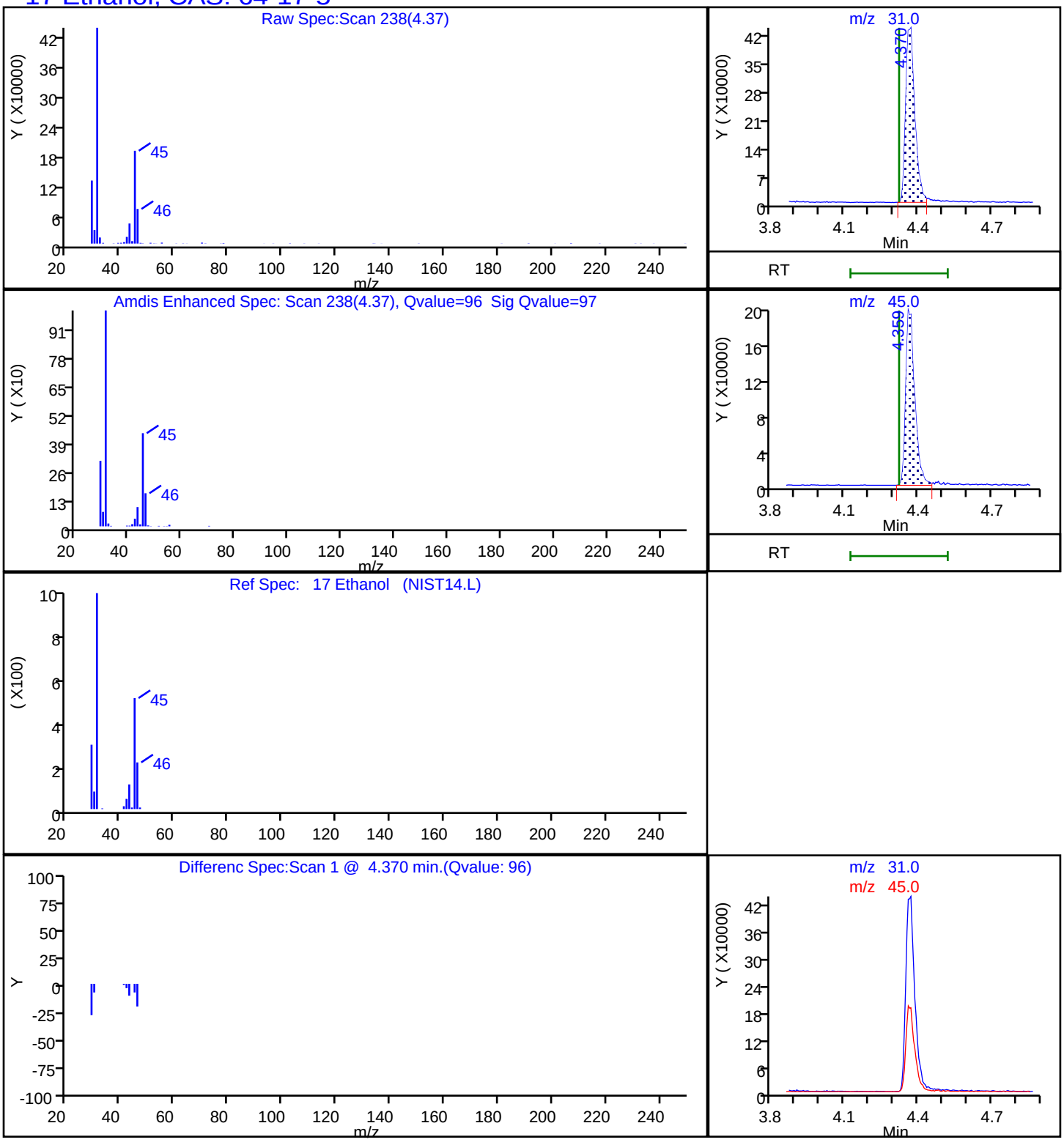


Report Date: 12-Jun-2020 12:42:22 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D		
Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6
Client ID:	OFFSITE DDC EFF		
Operator ID:	HMT	ALS Bottle#:	10 Worklist Smp#: 23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

17 Ethanol, CAS: 64-17-5



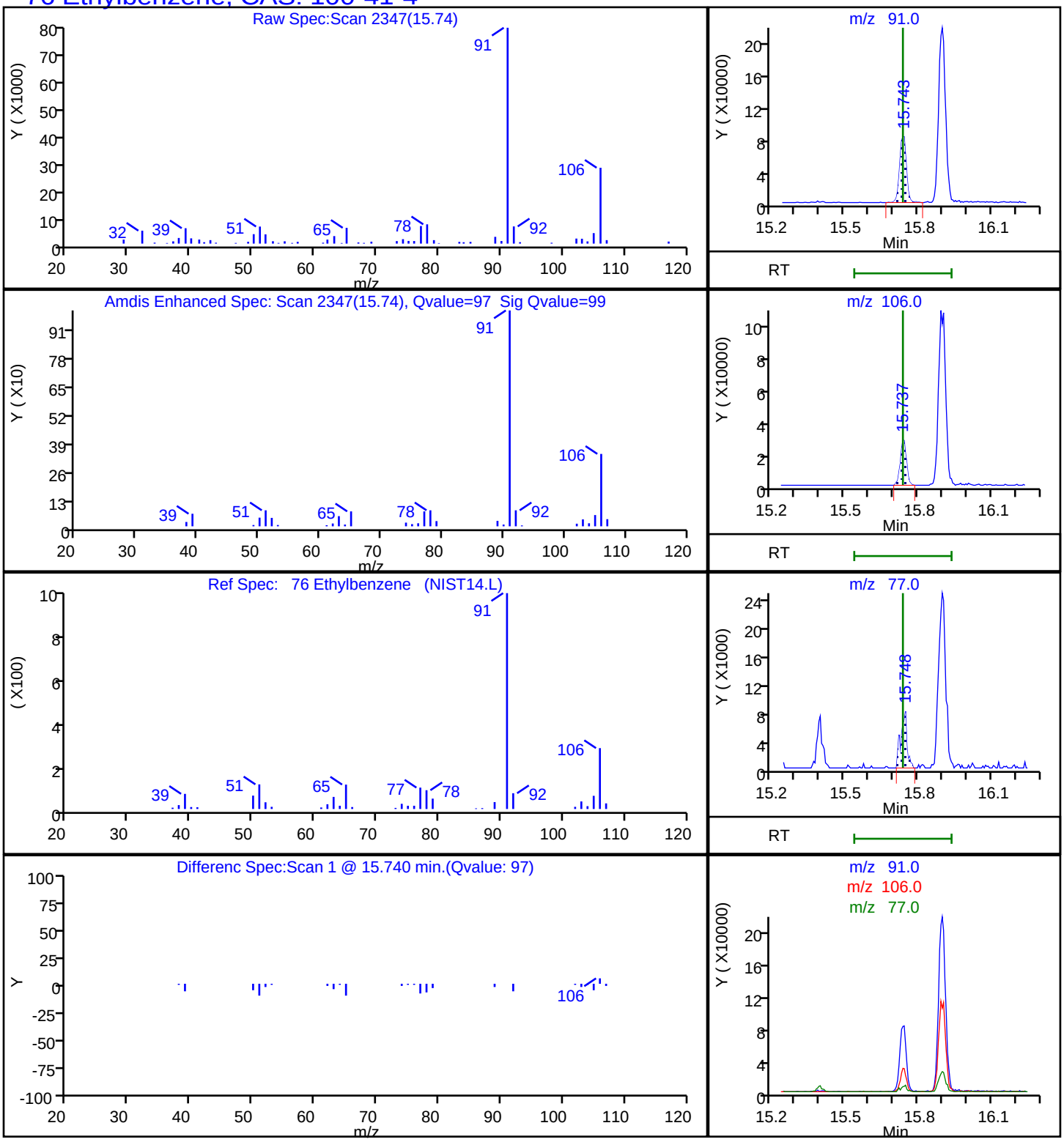
Report Date: 12-Jun-2020 12:42:23 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D

Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR		
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6		
Client ID:	OFFSITE DDC EFF				
Operator ID:	HMT	ALS Bottle#:	10	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

76 Ethylbenzene, CAS: 100-41-4



Report Date: 12-Jun-2020 12:42:23 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D

Injection Date: 12-Jun-2020 00:43:30 Instrument ID: MR

Lims ID: 140-19327-A-6 Lab Sample ID: 140-19327-6

Client ID: OFFSITE DDC EFF

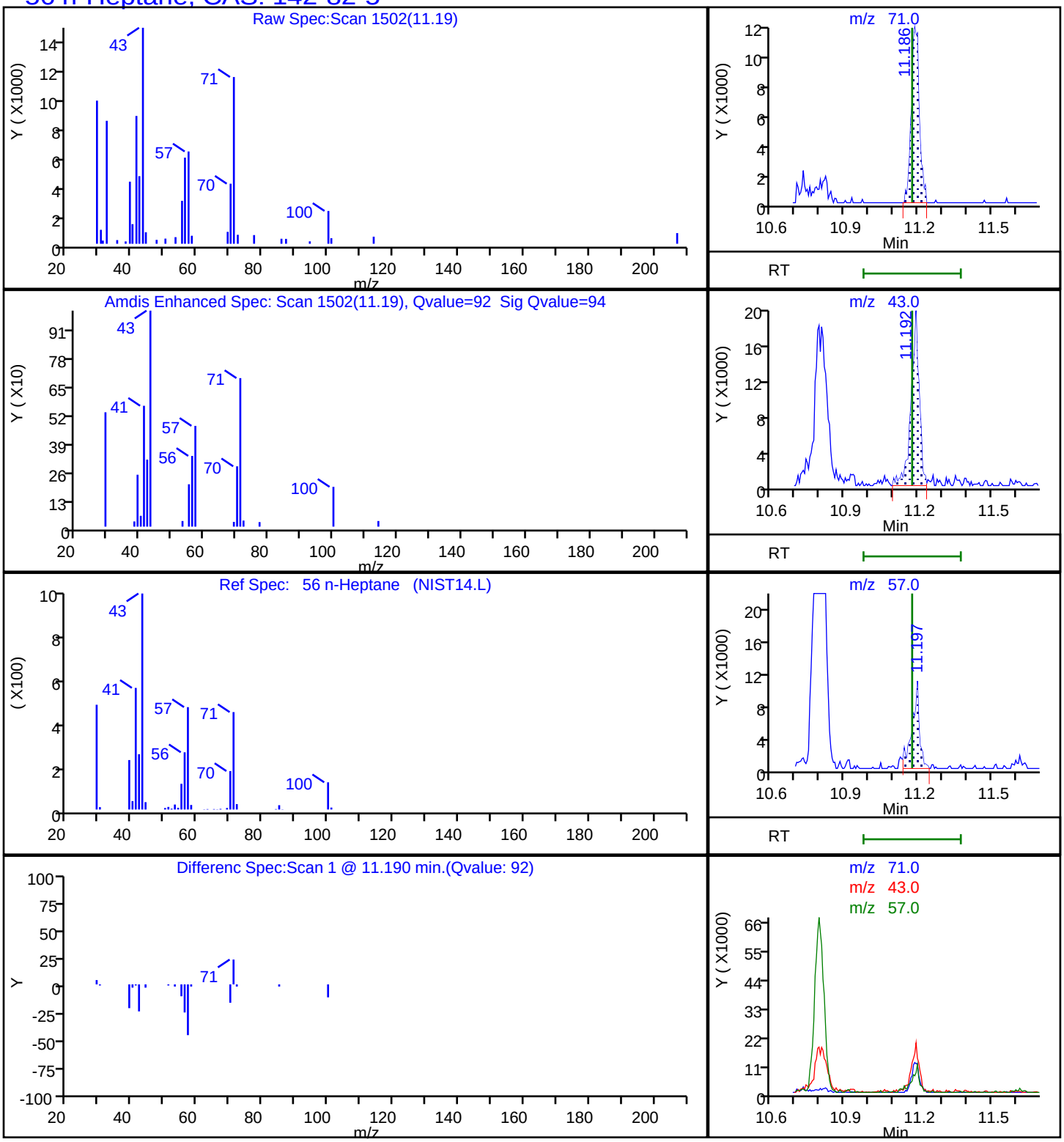
Operator ID: HMT ALS Bottle#: 10 Worklist Smp#: 23

Purge Vol: 500.000 mL Dil. Factor: 2.2300

Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

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



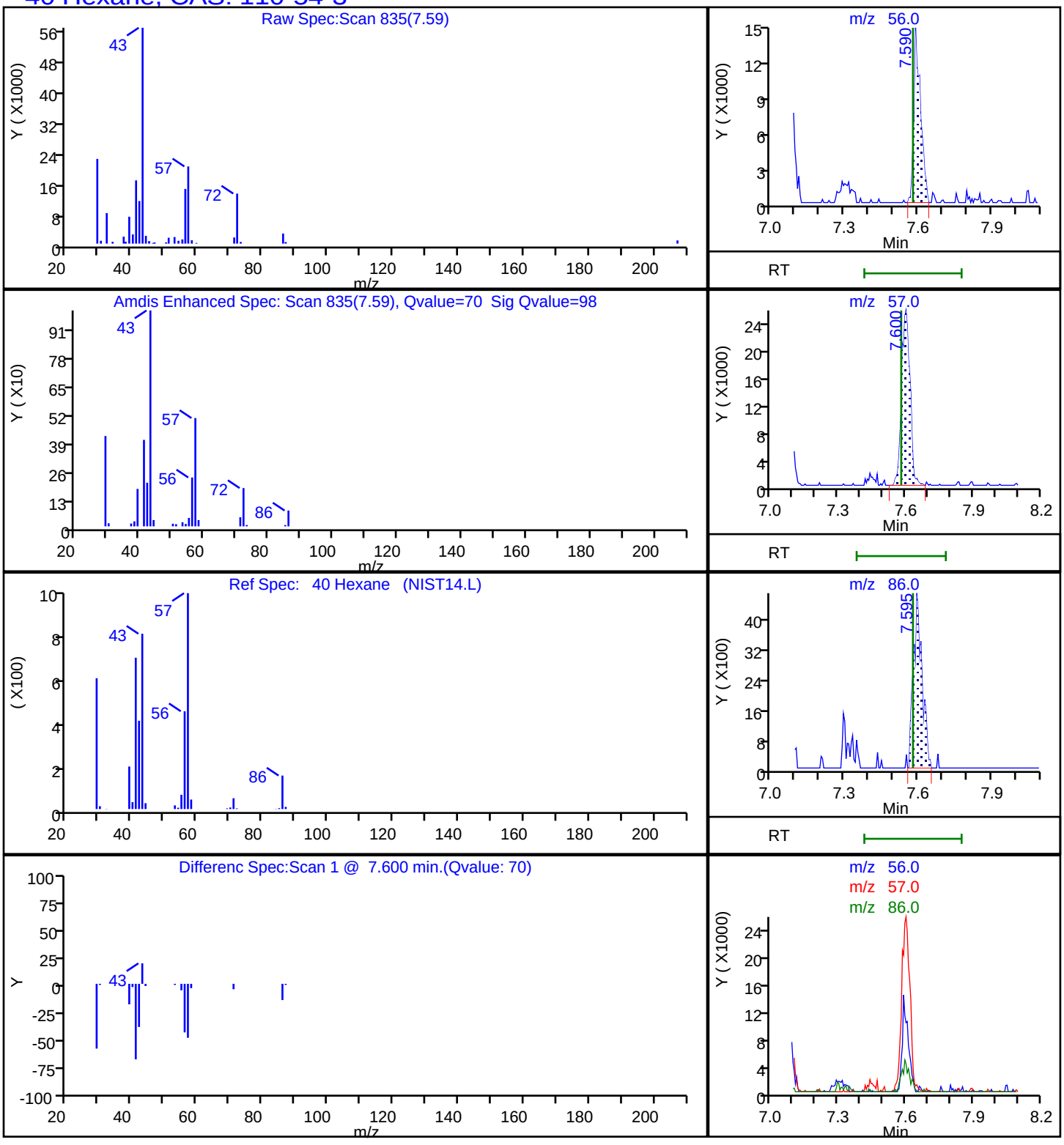
Report Date: 12-Jun-2020 12:42:23 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D

Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6
Client ID:	OFFSITE DDC EFF		
Operator ID:	HMT	ALS Bottle#:	10 Worklist Smp#: 23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

40 Hexane, CAS: 110-54-3



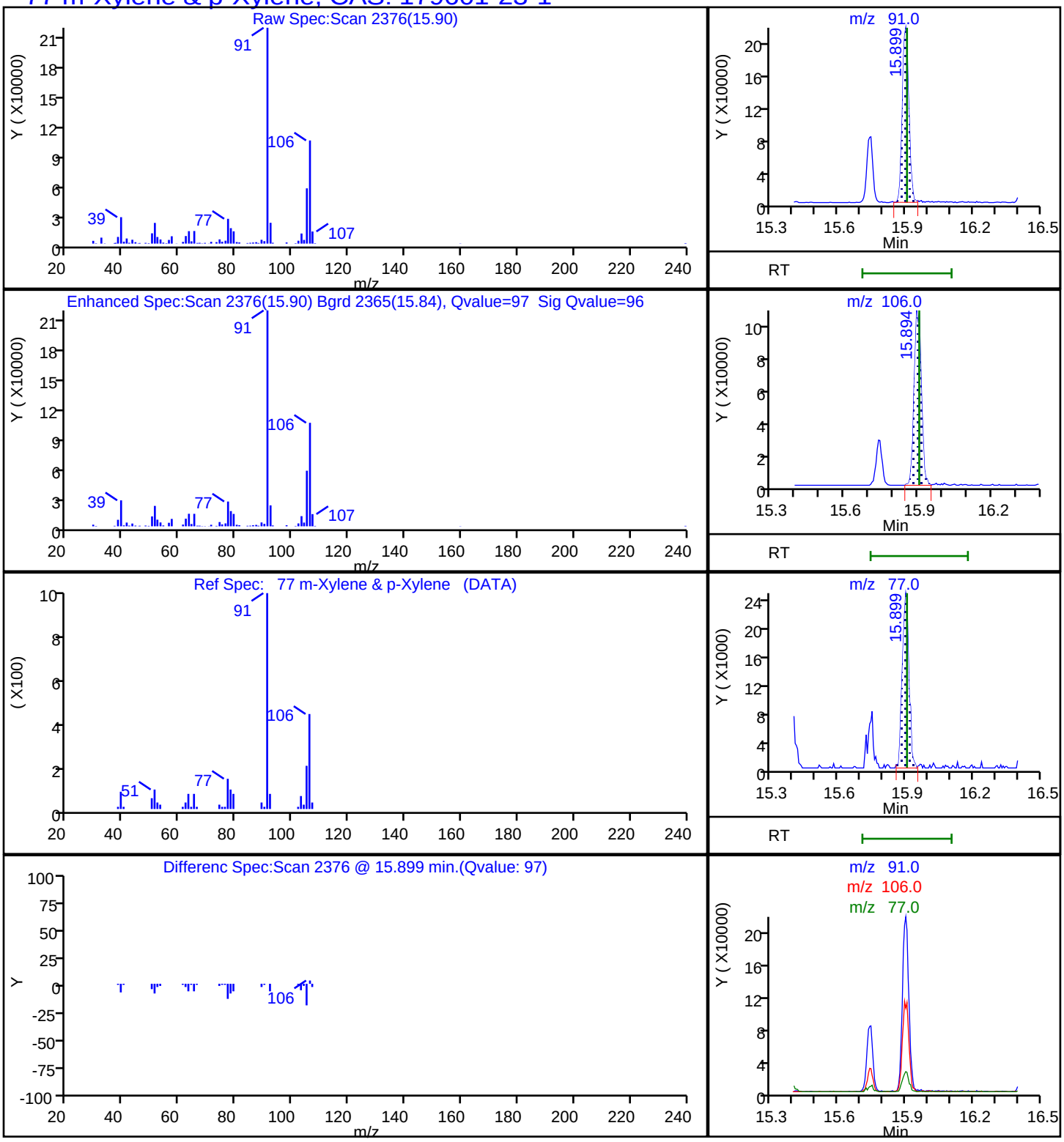
Report Date: 12-Jun-2020 12:42:23 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D

Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR		
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6		
Client ID:	OFFSITE DDC EFF				
Operator ID:	HMT	ALS Bottle#:	10	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

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



Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D

Injection Date: 12-Jun-2020 00:43:30 Instrument ID: MR

Lims ID: 140-19327-A-6 Lab Sample ID: 140-19327-6

Client ID: OFFSITE DDC EFF

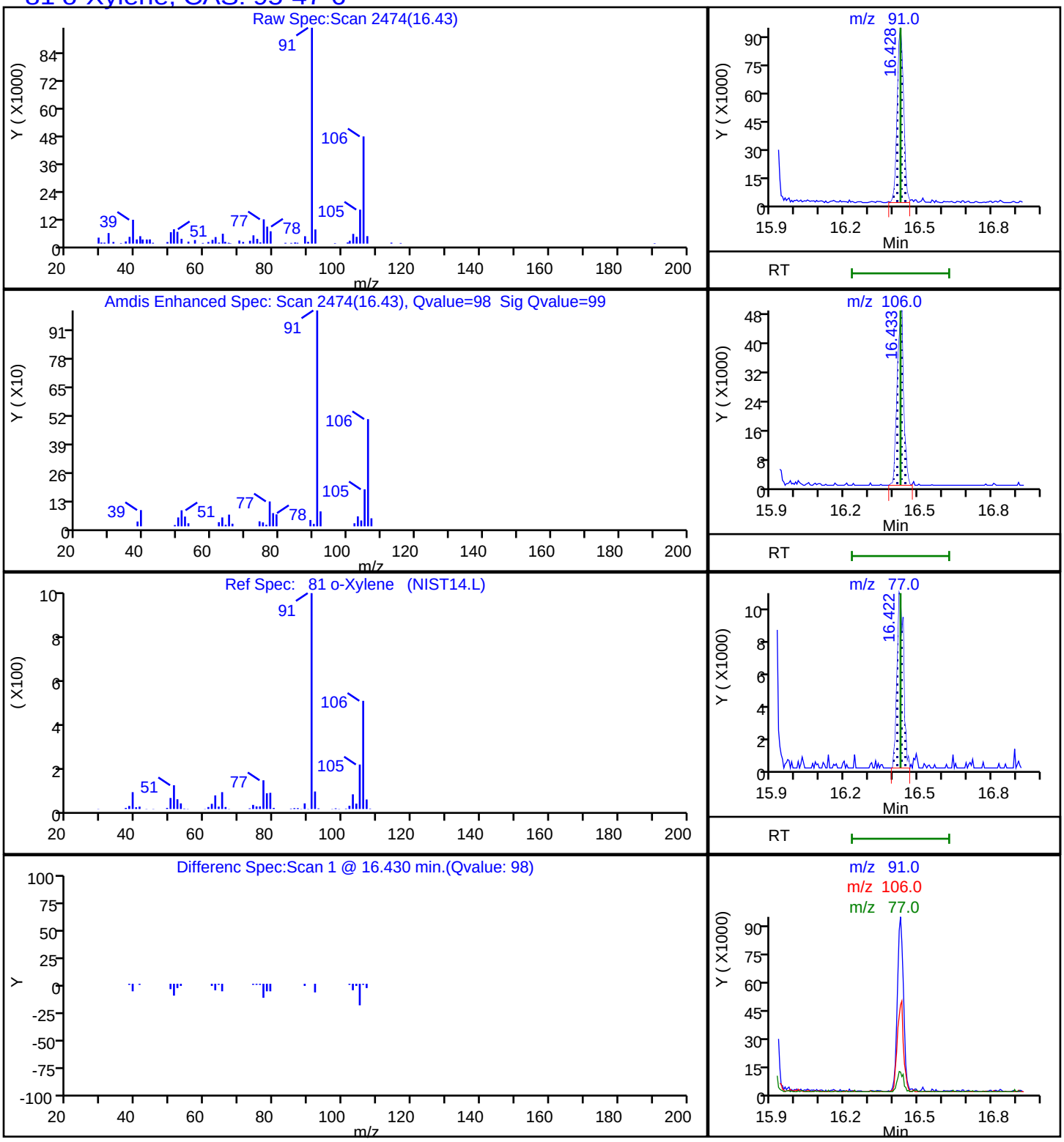
Operator ID: HMT ALS Bottle#: 10 Worklist Smp#: 23

Purge Vol: 500.000 mL Dil. Factor: 2.2300

Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

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



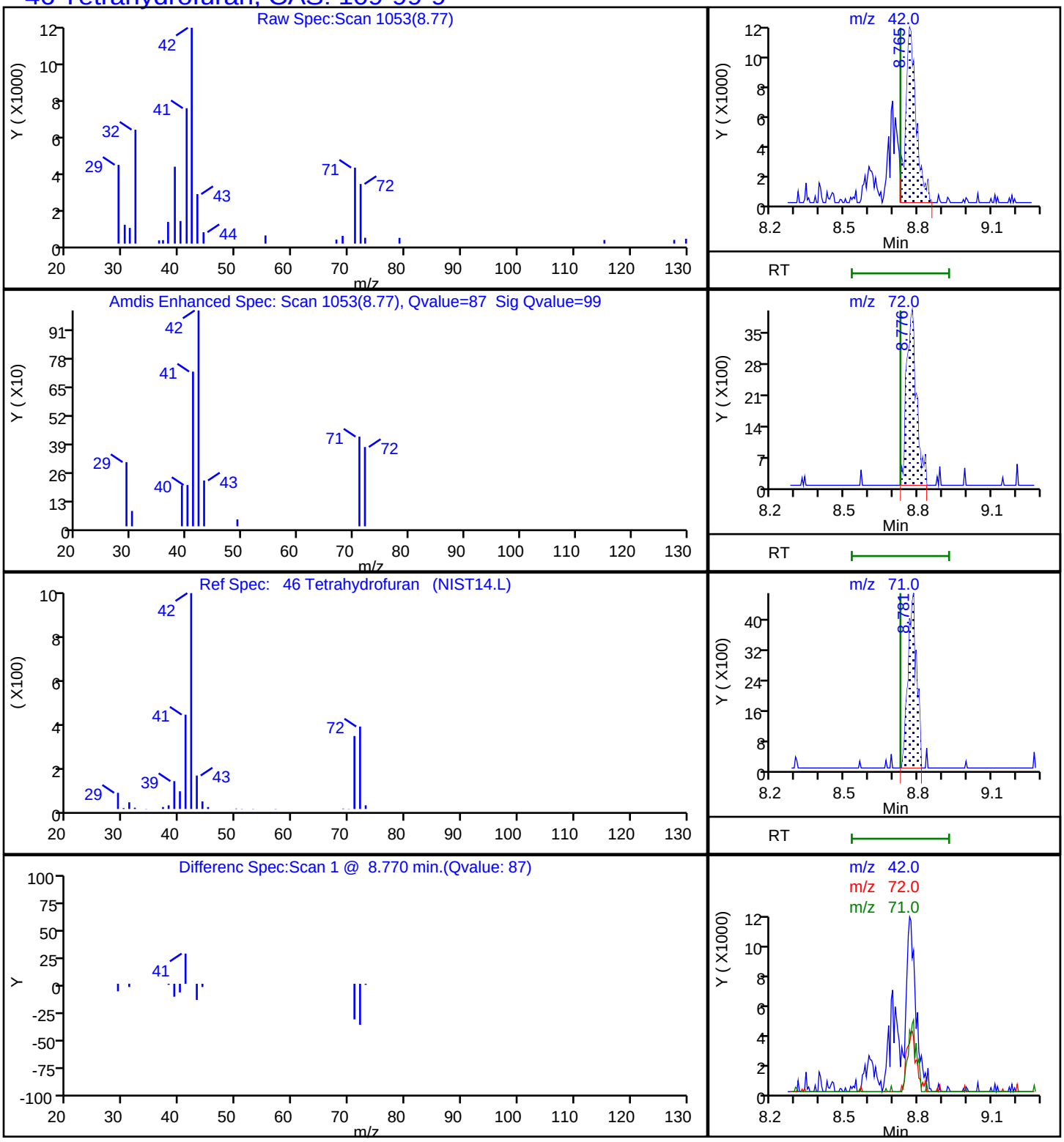
Report Date: 12-Jun-2020 12:42:23 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D

Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR		
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6		
Client ID:	OFFSITE DDC EFF				
Operator ID:	HMT	ALS Bottle#:	10	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

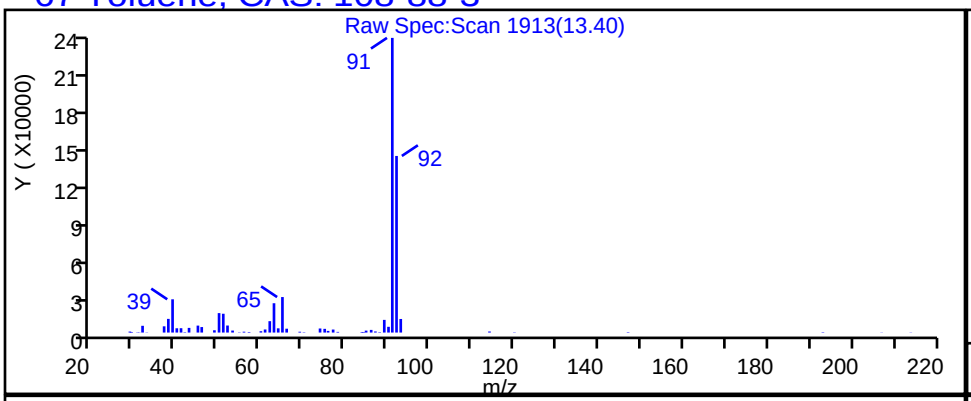
46 Tetrahydrofuran, CAS: 109-99-9

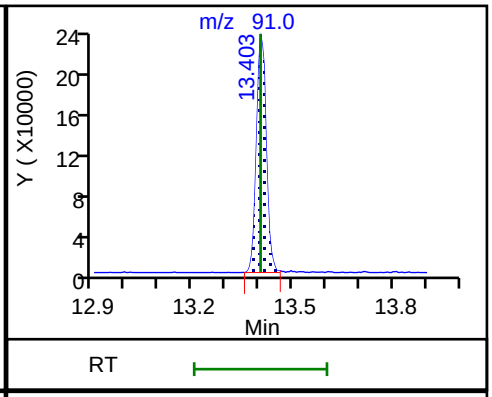


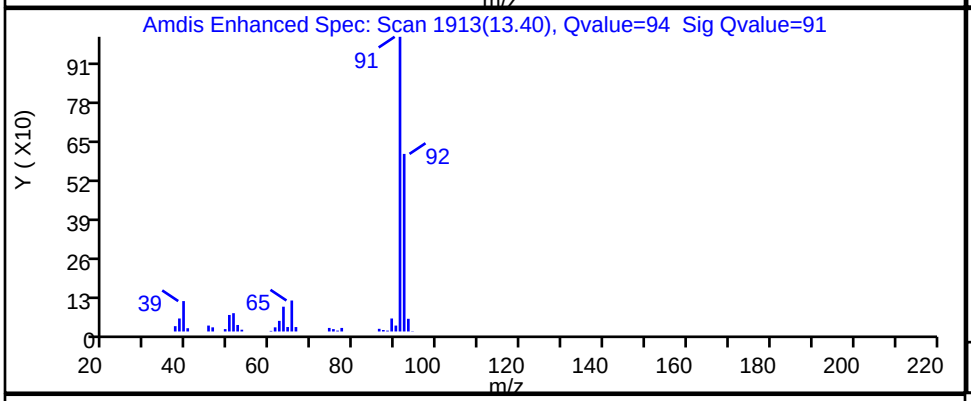
Eurofins TestAmerica, Knoxville

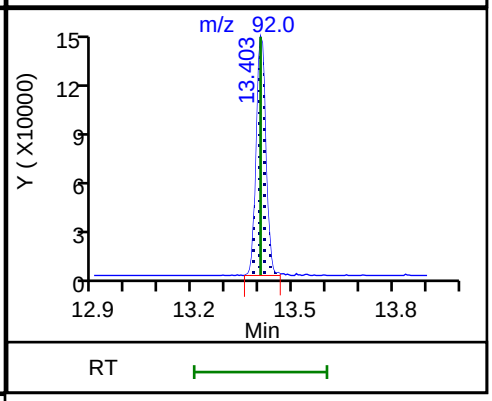
Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D				
Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR		
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6		
Client ID:	OFFSITE DDC EFF				
Operator ID:	HMT	ALS Bottle#:	10	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

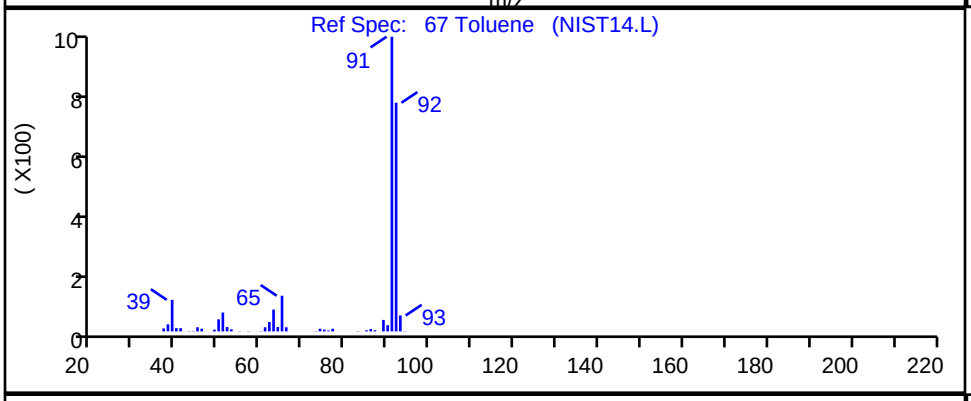
67 Toluene, CAS: 108-88-3

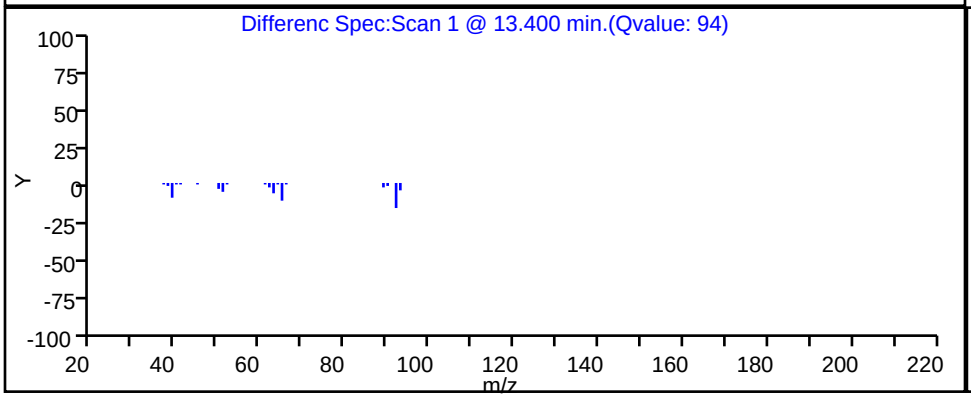


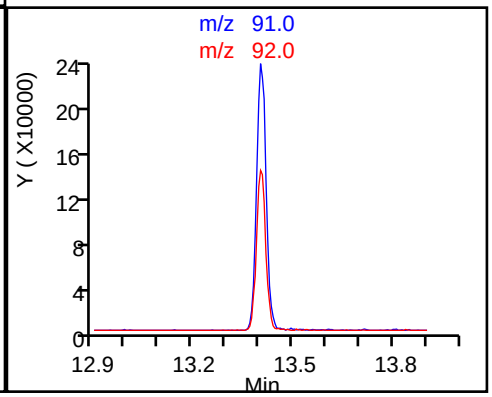












Report Date: 12-Jun-2020 12:42:23 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D

Injection Date: 12-Jun-2020 00:43:30 Instrument ID: MR

Lims ID: 140-19327-A-6 Lab Sample ID: 140-19327-6

Client ID: OFFSITE DDC EFF

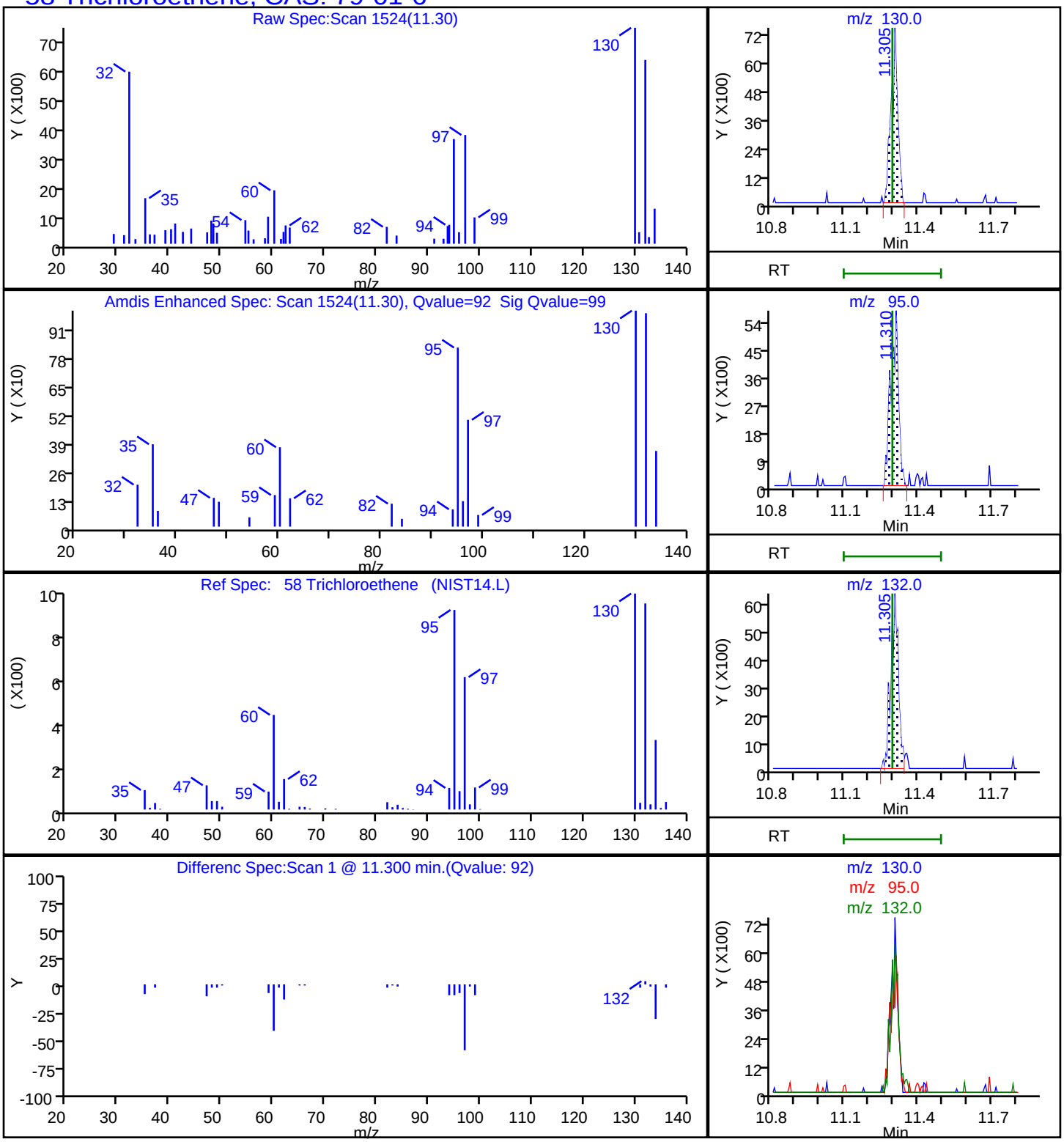
Operator ID: HMT ALS Bottle#: 10 Worklist Smp#: 23

Purge Vol: 500.000 mL Dil. Factor: 2.2300

Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL

Column: RTX-5 (0.32 mm) Detector MS SCAN

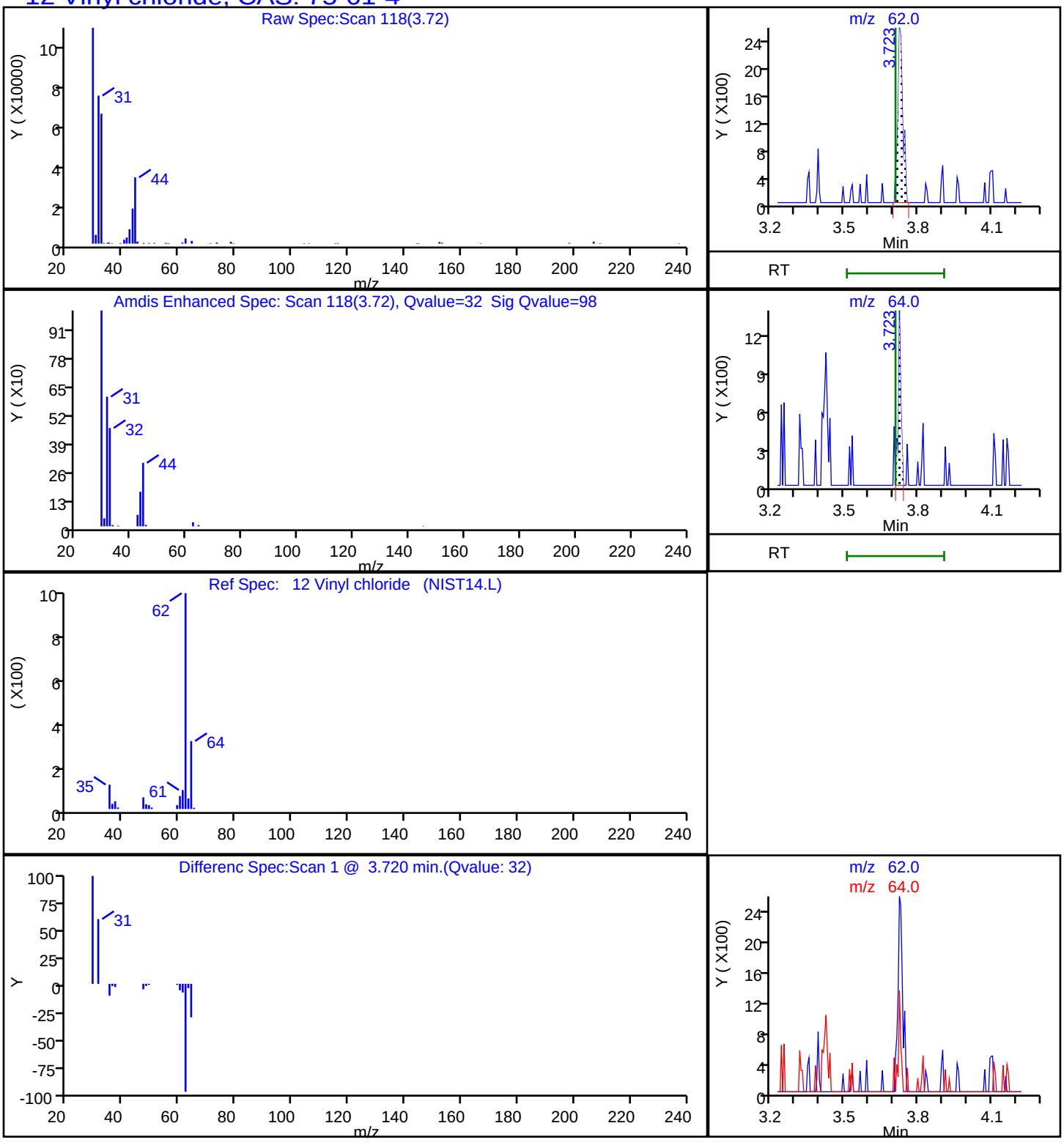
58 Trichloroethene, CAS: 79-01-6



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D				
Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR		
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6		
Client ID:	OFFSITE DDC EFF				
Operator ID:	HMT	ALS Bottle#:	10	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

12 Vinyl chloride, CAS: 75-01-4



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

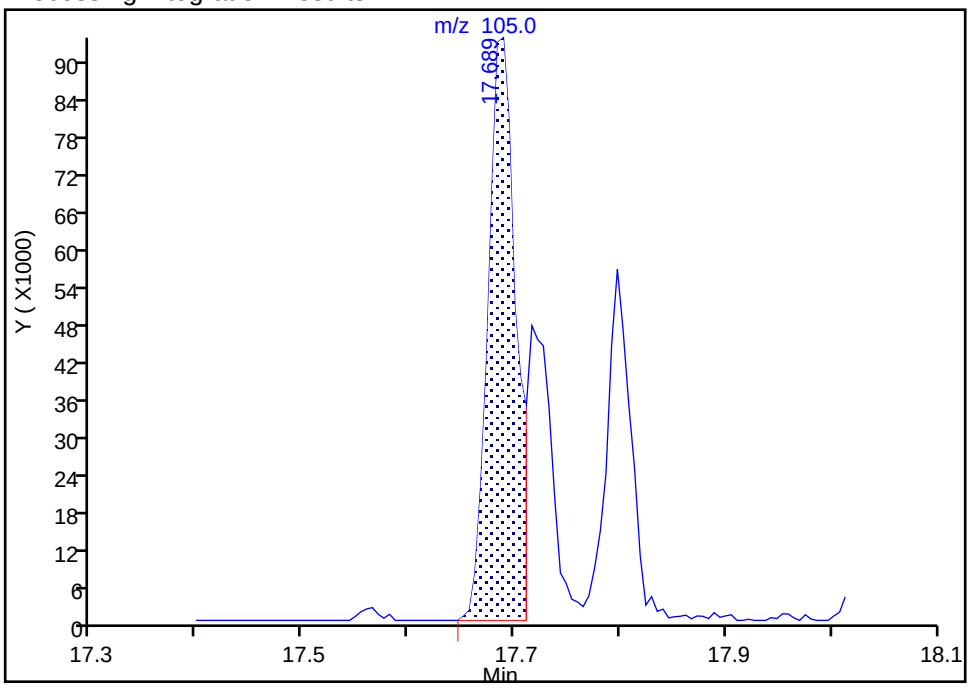
Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D				
Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR		
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6		
Client ID:	OFFSITE DDC EFF				
Operator ID:	HMT	ALS Bottle#:	10	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300		
Method:	MR_TO15	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

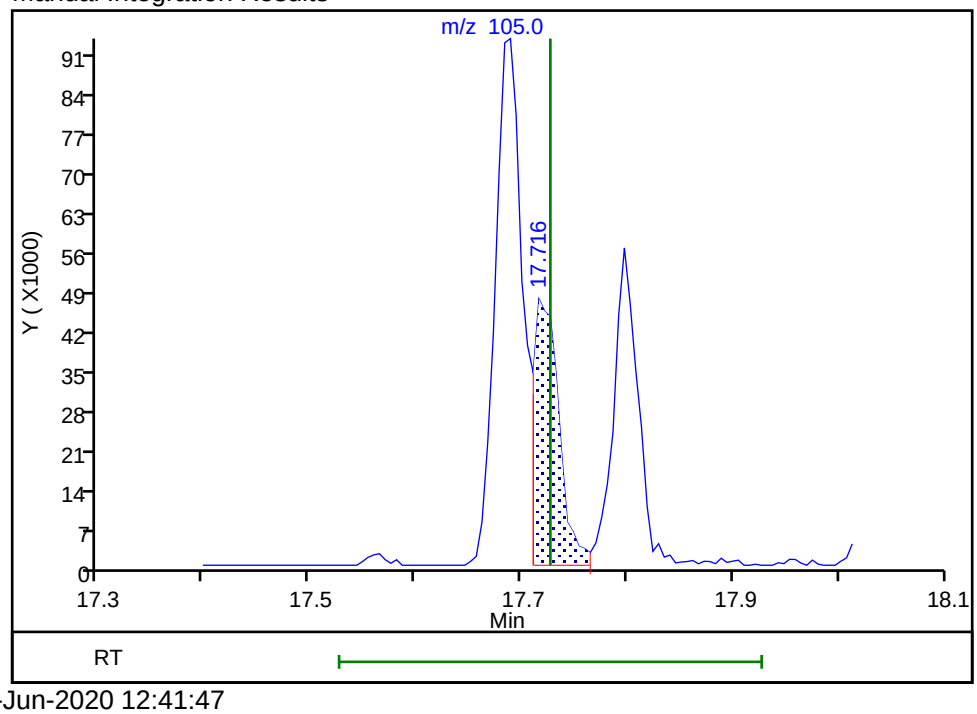
Processing Integration Results

RT: 17.69
Area: 173117
Amount: 0.439564
Amount Units: ppb v/v



Manual Integration Results

RT: 17.72
Area: 80170
Amount: 0.203561
Amount Units: ppb v/v



Reviewer: khachitpongpanits, 12-Jun-2020 12:41:47

Audit Action: Split an Integrated Peak Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Knoxville

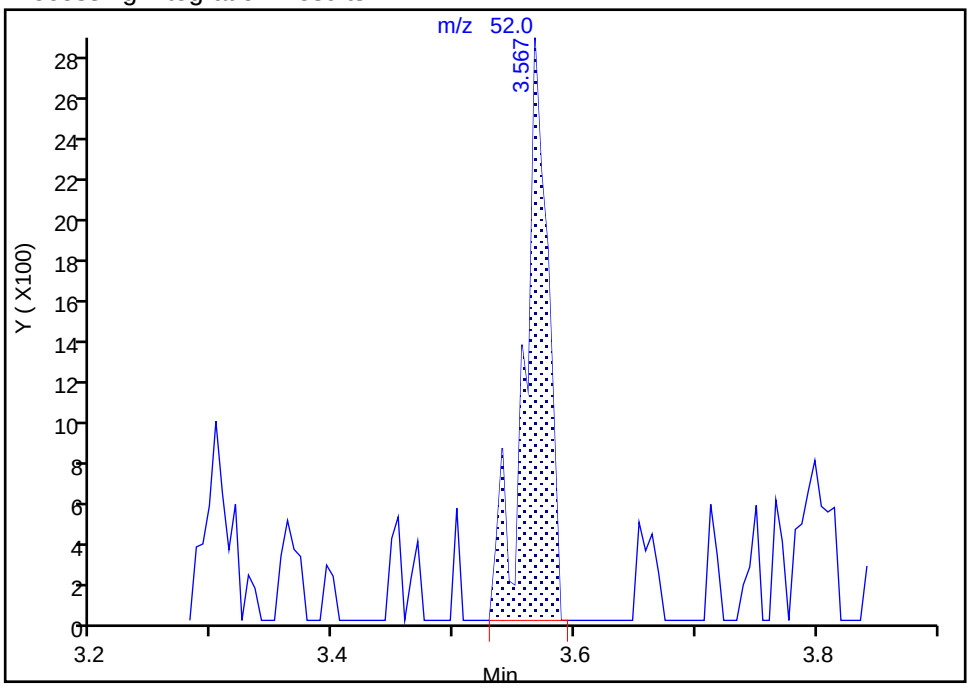
Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D				
Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR		
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6		
Client ID:	OFFSITE DDC EFF				
Operator ID:	HMT	ALS Bottle#:	10	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

9 Chloromethane, CAS: 74-87-3

Signal: 1

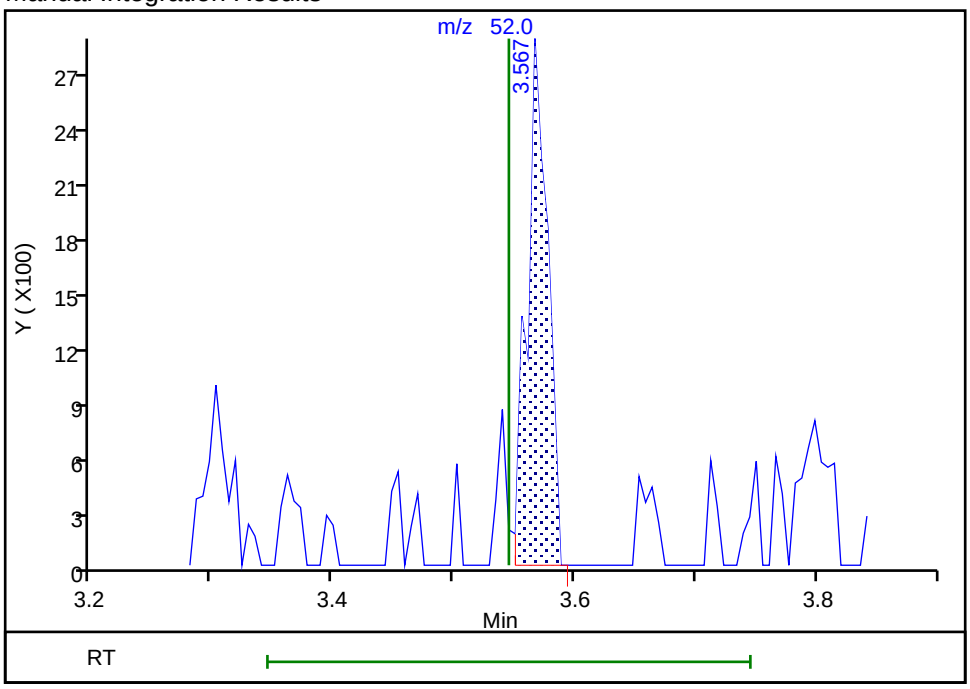
Processing Integration Results

RT: 3.57
Area: 3854
Amount: 0.219177
Amount Units: ppb v/v



Manual Integration Results

RT: 3.57
Area: 3399
Amount: 0.193301
Amount Units: ppb v/v



Reviewer: khachitpongpanits, 12-Jun-2020 12:37:23

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

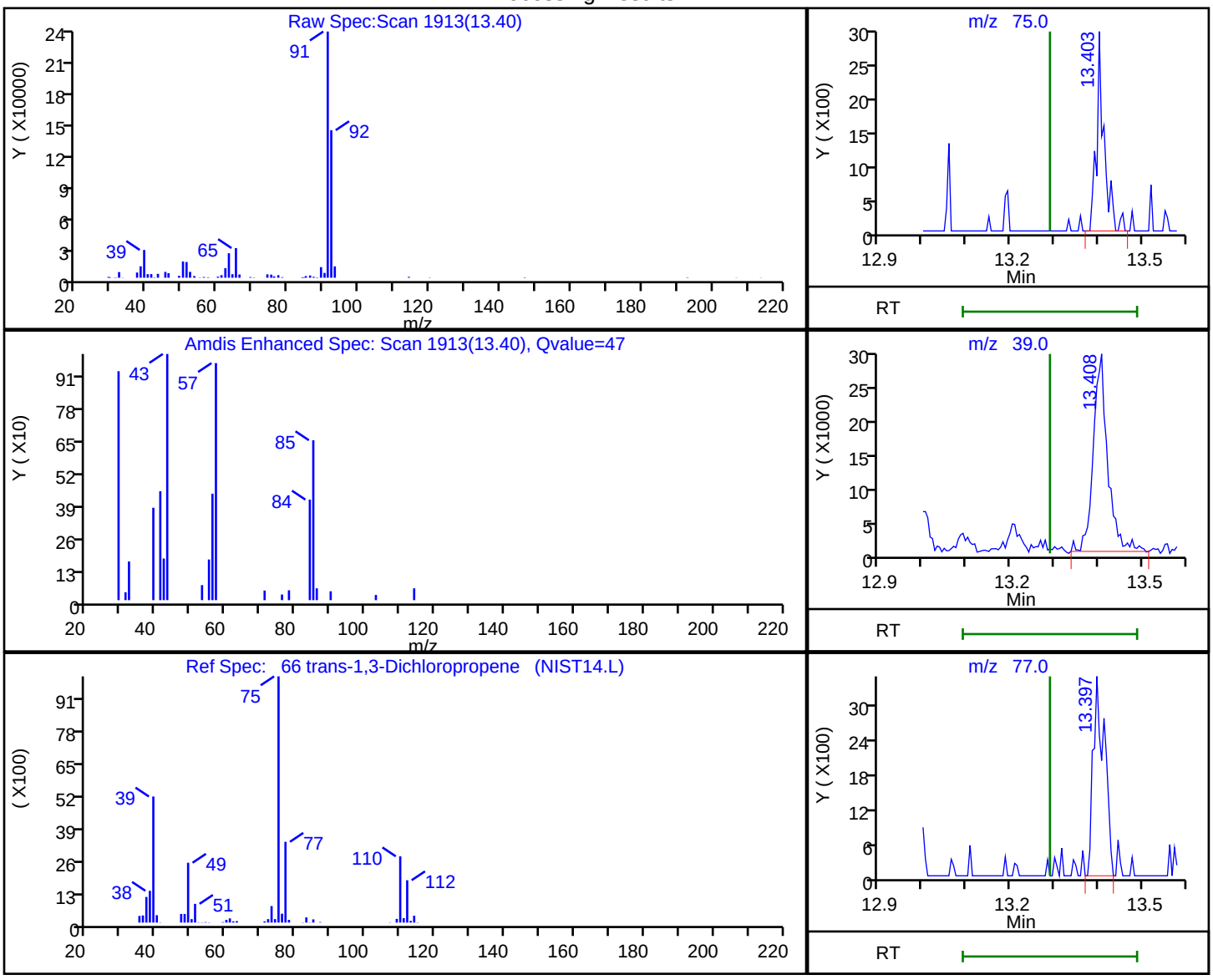
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RF11P110.D				
Injection Date:	12-Jun-2020 00:43:30	Instrument ID:	MR		
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6		
Client ID:	OFFSITE DDC EFF				
Operator ID:	HMT	ALS Bottle#:	10	Worklist Smp#:	23
Purge Vol:	500.000 mL	Dil. Factor:	2.2300		
Method:	MR_TO15	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
13.40	75.00	3582	0.037263
13.41	39.00	66530	
13.40	77.00	6135	

Reviewer: khachitpongpanits, 12-Jun-2020 12:39:59

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.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC EFF DL Lab Sample ID: 140-19327-6 DL

Matrix: Air Lab File ID: HF15P111.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:30

Sample wt/vol: 25(mL) Date Analyzed: 06/15/2020 23:29

Soil Aliquot Vol: Dilution Factor: 2.23

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40282 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
67-63-0	2-Propanol	60.10	830	D	36	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: OFFSITE DDC EFF DL Lab Sample ID: 140-19327-6 DL

Matrix: Air Lab File ID: HF15P111.D

Analysis Method: TO 15 LL Date Collected: 06/04/2020 12:30

Sample wt/vol: 25(mL) Date Analyzed: 06/15/2020 23:29

Soil Aliquot Vol: Dilution Factor: 2.23

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40282 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
67-63-0	2-Propanol	60.10	2000	D	88	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HF15P111.D
Lims ID: 140-19327-A-6
Client ID: OFFSITE DDC EFF
Sample Type: Client
Inject. Date: 15-Jun-2020 23:29:30 ALS Bottle#: 11 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 2.2300
Sample Info: 140-0015724-018
Misc. Info.: 140-19327-a-6@2.23
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 16-Jun-2020 12:48:56 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: khachitpongpanits Date: 16-Jun-2020 12:48:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.572	8.572	0.000	94	104176	4.00	
* 2 1,4-Difluorobenzene	114	10.779	10.779	0.000	97	735812	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.565	15.565	0.000	92	551669	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.213	17.234	-0.021	85	379784	4.10	
8 Dichlorodifluoromethane	85	3.600	3.602	0.000	95	2734	0.0162	
17 Ethanol	31	4.556	4.559	0.000	93	124248	6.69	
20 Trichlorofluoromethane	101	5.001	5.014	-0.010	72	1357	0.008954	
23 Acetone	58	5.150	5.133	0.020	99	27082	1.16	
25 Isopropyl alcohol	45	5.218	5.216	0.006	98	1221483	18.6	
31 Methylene Chloride	84	6.050	6.053	0.000	95	35582	0.1624	
33 Carbon disulfide	76	6.215	6.209	0.010	92	2201	0.0145	
39 2-Butanone (MEK)	72	7.828	7.817	0.016	91	2508	0.1131	
40 Hexane	56	7.833	7.832	0.005	63	3253	0.0868	
42 cis-1,2-Dichloroethene	96	8.231	8.246	-0.010	73	1454	0.0278	
46 Tetrahydrofuran	42	9.011	9.011	0.036	64	2310	0.0452	a
50 Cyclohexane	69	10.210	10.215	-0.005	59	723	0.0341	
51 Benzene	78	10.221	10.215	0.006	90	4579	0.0286	
55 Isooctane	57	10.991	10.991	0.000	95	20818	0.0856	
56 n-Heptane	71	11.384	11.378	0.006	82	1059	0.0235	
58 Trichloroethene	130	11.502	11.497	0.005	71	716	0.0109	
67 Toluene	91	13.580	13.580	0.000	90	32735	0.2186	
76 Ethylbenzene	91	15.906	15.906	0.000	98	8362	0.0420	
77 m-Xylene & p-Xylene	91	16.061	16.066	-0.005	96	23909	0.1574	
81 o-Xylene	91	16.593	16.593	0.000	95	8824	0.0561	
87 4-Ethyltoluene	105	17.906	17.906	-0.026	53	2989	0.0143	M
88 1,3,5-Trimethylbenzene	120	17.984	18.014	-0.031	64	1959	0.0485	
92 1,2,4-Trimethylbenzene	105	18.438	18.469	-0.031	97	7683	0.0412	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

40MXISSURP_00004	Amount Added:	40.00	Units: mL	Run Reagent

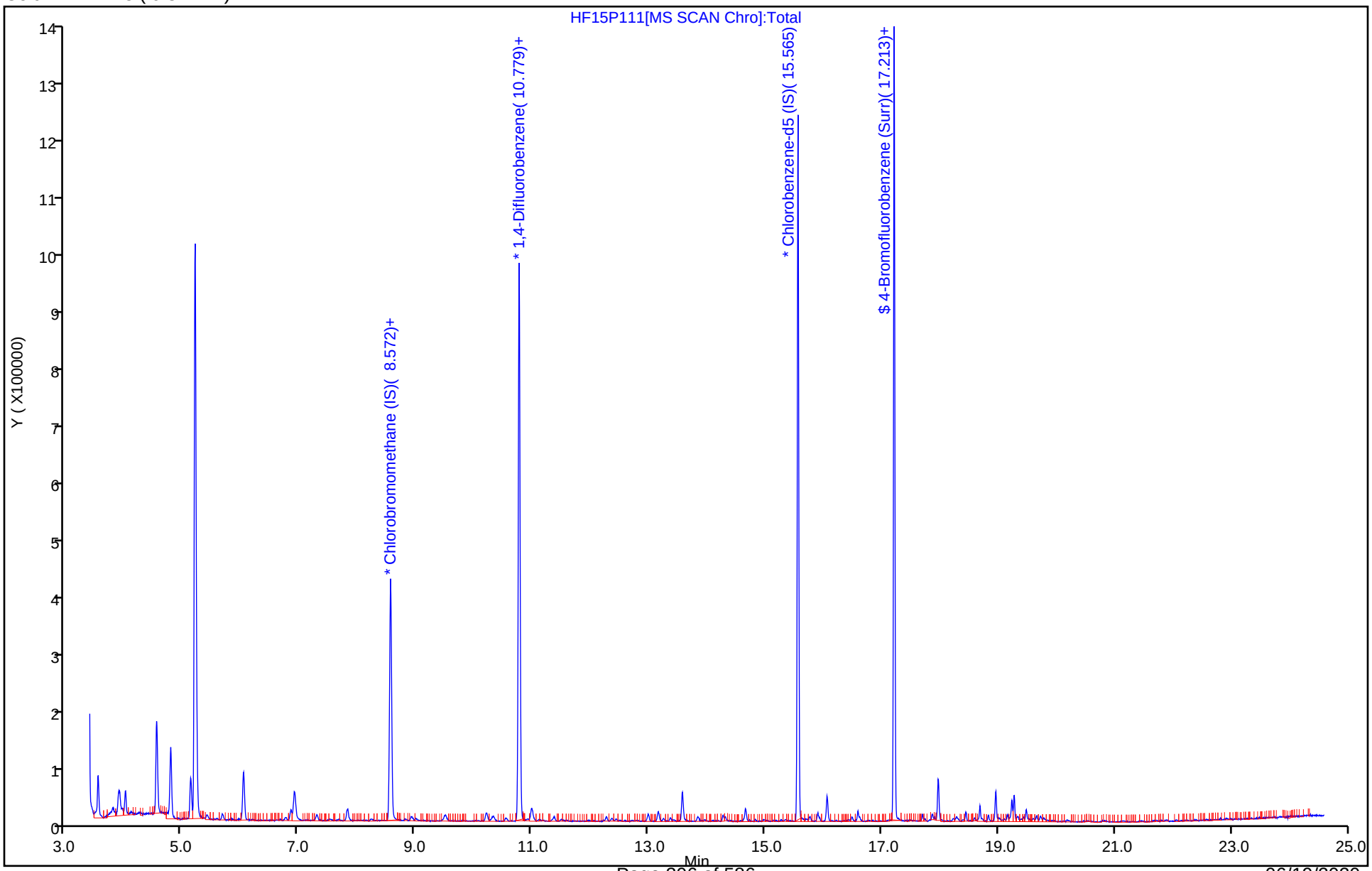
Report Date: 16-Jun-2020 12:48:57 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HF15P111.D

Injection Date:	15-Jun-2020 23:29:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6	Worklist Smp#:	18
Client ID:	OFFSITE DDC EFF				
Purge Vol:	500.000 mL	Dil. Factor:	2.2300	ALS Bottle#:	11
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\20200612-15724.b\HF15P111.D				
Lims ID:	140-19327-A-6				
Client ID:	OFFSITE DDC EFF				
Sample Type:	Client				
Inject. Date:	15-Jun-2020 23:29:30	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	2.2300		
Sample Info:	140-0015724-018				
Misc. Info.:	140-19327-a-6@2.23				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20200612-15724.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	16-Jun-2020 12:48:56	Calib Date:	16-Apr-2020 18:34:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1015				

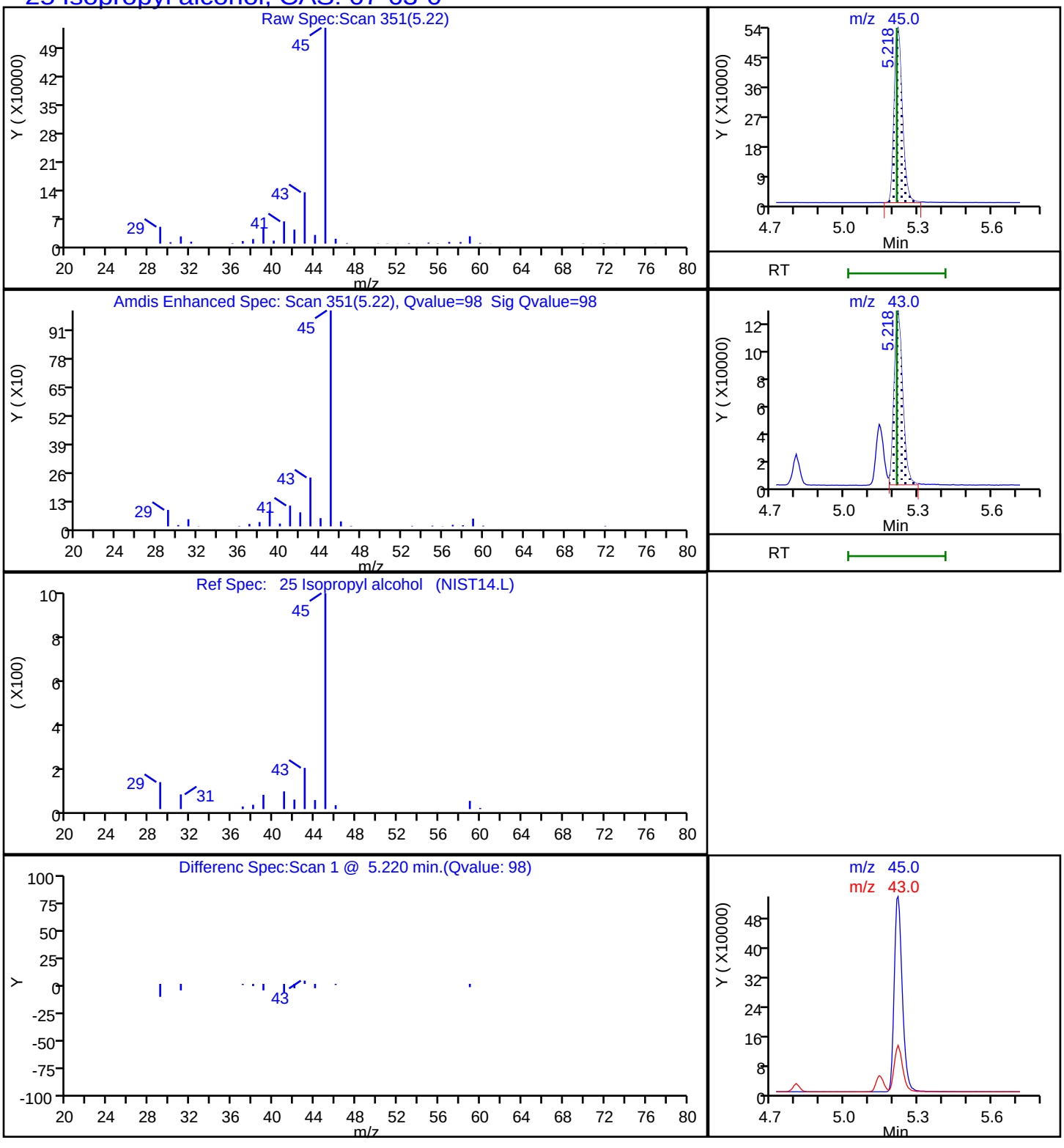
First Level Reviewer: khachitpongpanits Date: 16-Jun-2020 12:48:56

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	4.10	102.59

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HF15P111.D				
Injection Date:	15-Jun-2020 23:29:30	Instrument ID:	MH		
Lims ID:	140-19327-A-6	Lab Sample ID:	140-19327-6		
Client ID:	OFFSITE DDC EFF				
Operator ID:	HMT	ALS Bottle#:	11	Worklist Smp#:	18
Purge Vol:	500.000 mL	Dil. Factor:	2.2300		
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 VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-39100/3	HD16IC01.D
Level 2	IC 140-39100/4	HD16IC02.D
Level 3	IC 140-39100/5	HD16IC03.D
Level 4	IC 140-39100/6	HD16IC04.D
Level 5	IC 140-39100/7	HD16IC05.D
Level 6	IC 140-39100/8	HD16IC06.D
Level 7	ICIS 140-39100/9	HD16IC07.D
Level 8	IC 140-39100/11	HD16IC08.D
Level 9	IC 140-39100/13	HD16C09.D
Level 10	IC 140-39100/15	HD16IC10.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	+++++ 4.2946	4.6026 4.0842	4.4835 4.0706	4.2657 4.0514	4.3120 3.8121	Ave		4.2196				5.7		30.0			
Propene	+++++ 2.5917	+++++ 2.0258	+++++ 1.8090	+++++ 1.6736	+++++ 1.4660	Lin2	1.1197	1.4793							0.9970		0.9900
Freon 12	+++++ 6.6689	6.7930 6.3727	6.9951 6.1862	6.7142 6.1533	6.7616 5.7611	Ave		6.4896				6.1		30.0			
Chloromethane	+++++ 0.6912	+++++ 0.6683	0.8910 0.6452	0.8242 0.6526	0.7164 0.5706	Ave		0.7074				14.6		30.0			
Freon-114	+++++ 4.6440	4.5896 4.1781	4.3819 4.2258	4.5264 4.1913	4.4433 3.7642	Ave		4.3272				6.3		30.0			
Vinyl chloride	3.0661 2.2564	2.5523 2.1864	2.4141 2.1324	2.3209 2.1507	2.2217 1.9058	Ave		2.3207				13.5		30.0			
Butane	+++++ 2.7017	3.3127 2.6844	3.0290 2.5768	2.8532 2.5824	2.6964 2.3136	Ave		2.7500				10.5		30.0			
1,3-Butadiene	+++++ 1.5927	1.7722 1.5596	1.6155 1.5400	1.5879 1.5696	1.5352 1.4222	Ave		1.5772				5.8		30.0			
Bromomethane	+++++ 2.4743	+++++ 2.3770	2.7721 2.3553	2.5579 2.3418	2.5201 2.1996	Ave		2.4498				7.1		30.0			
Chloroethane	+++++ 0.9693	+++++ 0.9597	1.1483 0.9329	1.0778 0.9275	0.9698 0.9170	Ave		0.9878				8.3		30.0			
Ethanol	+++++ 0.7044	+++++ 0.7355	+++++ 0.7181	0.7345 0.7069	0.7328 0.6605	Ave		0.7132				3.7		30.0			
Vinyl bromide	+++++ 2.2557	+++++ 2.1765	2.4205 2.1671	2.2386 2.1459	2.2353 2.0096	Ave		2.2062				5.3		30.0			
2-Methylbutane	+++++ 1.9039	2.4402 1.9339	2.2777 1.8575	2.1410 1.8086	2.0105 1.7879	Ave		2.0179				11.1		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.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

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								
Freon 11	6.7823 5.7080	6.1556 5.6592	6.0351 5.5541	5.8856 5.3969	5.8778 5.1361	Ave		5.8191				7.8		30.0			
Acrolein	+++++ 0.6862	+++++ 0.7030	+++++ 0.6772	+++++ 0.6894	0.6941 0.6320	Ave		0.6803				3.7		30.0			
Acetonitrile	+++++ 0.8359	+++++ 0.8383	+++++ 0.8191	0.7410 0.7929	0.7369 0.7190	Ave		0.7833				6.4		30.0			
Acetone	+++++ 0.8917	+++++ 0.8988	+++++ 0.8752	1.0600 0.8535	0.9437 0.7769	Ave		0.9000				9.7		30.0			
Pentane	+++++ 0.2472	+++++ 0.2525	+++++ 0.2504	0.2625 0.2429	0.2736 0.2322	Ave		0.2516				5.3		30.0			
2-Propanol	2.9493 2.5244	2.4151 2.6018	2.6023 2.5840	2.5372 2.4797	2.4914 2.2051	QuaF		2.7217	-0.010728						1.0000		0.9900
Ethyl ether	+++++ 1.8091	+++++ 1.7667	1.8136 1.7438	1.7416 1.7048	1.8243 1.5309	Ave		1.7418				5.4		30.0			
1,1-Dichloroethene	2.2016 1.8708	2.1076 1.9120	1.9711 1.8961	1.8950 1.8998	1.9015 1.8336	Ave		1.9489				5.9		30.0			
tert-Butyl alcohol	+++++ 3.2170	+++++ 3.3641	+++++ 3.3859	2.9817 3.3898	3.1179 3.1794	Ave		3.2337				4.8		30.0			
Acrylonitrile	+++++ 1.4909	+++++ 1.4994	+++++ 1.5329	1.4892 1.5076	1.4284 1.3852	Ave		1.4762				3.5		30.0			
Freon 113	+++++ 4.5490	4.8933 4.4521	4.7945 4.3855	4.5924 4.2826	4.6444 4.0230	Ave		4.5130				5.9		30.0			
Methylene Chloride	+++++ 2.8749	+++++ 2.3339	+++++ 2.0479	+++++ 1.8895	4.4246 1.7125	Lin2	1.0826	1.7465							0.9980		0.9900
3-Chloropropene	+++++ 1.6974	+++++ 1.5385	1.9108 1.6110	1.7720 1.5561	1.7011 1.3786	Ave		1.6457				9.9		30.0			
Carbon disulfide	+++++ 5.9663	+++++ 5.8850	5.9504 5.9252	5.9492 5.7822	5.8376 5.4048	Ave		5.8376				3.2		30.0			
trans-1,2-Dichloroethene	+++++ 1.9397	1.9428 1.9445	1.8842 1.9529	1.9102 1.9693	1.8451 1.9216	Ave		1.9234				2.0		30.0			
2-Methylpentane	+++++ 4.0185	3.7736 3.9557	3.7266 3.9191	3.7159 3.7905	3.8712 3.4711	Ave		3.8047				4.3		30.0			
Methyl tert-butyl ether	+++++ 4.6378	+++++ 4.7554	4.0347 4.7070	4.2782 4.6586	4.4847 4.4126	Ave		4.4961				5.5		30.0			
1,1-Dichloroethane	+++++ 3.7793	4.1806 3.7361	4.2197 3.6795	3.9061 3.6537	3.8669 3.4525	Ave		3.8305				6.5		30.0			
Vinyl acetate	+++++ 4.9871	+++++ 5.1158	3.9251 5.3263	4.0518 5.3806	4.3806 5.0152	Ave		4.7728				12.0		30.0			
2-Butanone	+++++ 0.8666	+++++ 0.8821	0.7442 0.8828	0.8384 0.9008	0.8293 0.8694	Ave		0.8517				5.8		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.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

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	+++++ 1.5140	1.3928 1.4884	1.4603 1.4816	1.3607 1.4410	1.4467 1.3660	Ave		1.4391				3.8		30.0			
cis-1,2-Dichloroethene	+++++ 2.0246	2.0880 2.0566	1.9535 2.0429	1.8964 2.0599	1.9765 1.9729	Ave		2.0079				3.1		30.0			
Ethyl acetate	+++++ 4.5136	+++++ 4.4390	4.1192 4.4709	4.0916 4.4679	4.2669 4.1510	Ave		4.3150				4.1		30.0			
Chloroform	+++++ 4.8186	4.7511 4.6663	5.1189 4.6040	4.7708 4.5449	4.9092 4.3215	Ave		4.7228				4.8		30.0			
Tetrahydrofuran	+++++ 2.0675	+++++ 2.0290	1.8646 2.0569	1.8582 2.0539	1.8669 1.9080	Ave		1.9631				4.9		30.0			
1,1,1-Trichloroethane	4.6607 4.4283	4.5570 4.3649	4.2611 4.3776	4.2927 4.3633	4.3680 4.2902	Ave		4.3964				2.8		30.0			
1,2-Dichloroethane	+++++ 0.4326	0.4200 0.4213	0.4320 0.4200	0.4164 0.4198	0.4395 0.4091	Ave		0.4234				2.2		30.0			
1-Butanol	+++++ 0.0845	+++++ 0.0922	+++++ 0.1015	0.0643 0.1072	0.0761 0.1040	Ave		0.0900				17.6		30.0			
Cyclohexane	+++++ 0.1205	+++++ 0.1202	0.1027 0.1213	0.0923 0.1223	0.1177 0.1244	Ave		0.1152				9.9		30.0			
Benzene	+++++ 0.8861	0.9203 0.8659	0.8567 0.8596	0.8583 0.8636	0.8594 0.8606	Ave		0.8700				2.4		30.0			
Carbon tetrachloride	0.7035 0.6368	0.6132 0.5290	0.5961 0.6392	0.6164 0.6524	0.6208 0.6755	Ave		0.6283				7.5		30.0			
2,3-Dimethylpentane	+++++ 0.1712	+++++ 0.1764	0.1482 0.1719	0.1503 0.1715	0.1648 0.1672	Ave		0.1652				6.3		30.0			
Thiophene	+++++ 0.5074	+++++ 0.5039	0.4469 0.5007	0.4508 0.5082	0.4852 0.4975	Ave		0.4876				5.1		30.0			
2,2,4-Trimethylpentane	+++++ 1.3606	1.3050 1.3630	1.2417 1.3705	1.2283 1.3799	1.2824 1.3695	Ave		1.3223				4.5		30.0			
Heptane	+++++ 0.2483	+++++ 0.2565	0.2039 0.2626	0.2067 0.2733	0.2270 0.2784	Ave		0.2446				11.8		30.0			
1,2-Dichloropropane	+++++ 0.3644	+++++ 0.3559	0.3658 0.3552	0.3430 0.3587	0.3561 0.3540	Ave		0.3566				2.0		30.0			
Trichloroethene	0.4173 0.3457	0.3423 0.3579	0.3443 0.3500	0.3327 0.3615	0.3391 0.3661	Ave		0.3557				6.7		30.0			
Dibromomethane	+++++ 0.4428	0.4737 0.4359	0.4217 0.4292	0.4144 0.4369	0.4366 0.4305	Ave		0.4357				3.8		30.0			
Bromodichloromethane	+++++ 0.7058	0.6319 0.6993	0.6311 0.7106	0.6344 0.7220	0.6755 0.7288	Ave		0.6822				5.9		30.0			
1,4-Dioxane	+++++ 0.1225	+++++ 0.1334	+++++ 0.1367	0.1087 0.1364	0.1170 0.1324	Ave		0.1267				8.6		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.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

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	+++++ 0.3381	+++++ 0.3469	0.2529 0.3561	0.2648 0.3592	0.3066 0.3424	Ave		0.3209				13.0		30.0			
Methylcyclohexane	+++++ 0.4507	0.3499 0.4715	0.3439 0.4850	0.3549 0.5010	0.4071 0.5125	Lin1	-0.013	0.5026							0.9990		0.9900
4-Methyl-2-pentanone (MIBK)	+++++ 0.6679	0.4819 0.6884	0.4680 0.7199	0.5075 0.7310	0.5941 0.7175	Ave		0.6196				17.5		30.0			
cis-1,3-Dichloropropene	+++++ 0.4898	0.3571 0.4999	0.3706 0.5161	0.4004 0.5375	0.4457 0.5349	Ave		0.4613				15.2		30.0			
trans-1,3-Dichloropropene	+++++ 0.4971	0.3895 0.5152	0.3859 0.5397	0.3870 0.5720	0.4373 0.5700	Ave		0.4771				16.4		30.0			
Toluene	+++++ 1.1774	+++++ 1.2069	0.9667 1.1825	0.9734 1.1775	1.1110 1.1581	Lin2	-0.020	1.1771							0.9990		0.9900
1,1,2-Trichloroethane	+++++ 0.4329	0.4129 0.4325	0.4237 0.4160	0.4271 0.4060	0.4366 0.3887	Ave		0.4196				3.7		30.0			
2-Hexanone	+++++ 0.3708	+++++ 0.4095	+++++ 0.4216	0.2209 0.4225	0.2949 0.4252	Ave		0.3665				21.7		30.0			
C8 Range	+++++ 2.7557	+++++ 2.7681	2.0999 2.7972	2.2602 2.8000	2.5899 2.7646	Ave		2.6044				10.5		30.0			
Octane	+++++ 0.3167	+++++ 0.3309	+++++ 0.3340	0.2227 0.3360	0.2931 0.3419	Ave		0.3108				13.6		30.0			
Dibromochloromethane	+++++ 0.7657	0.5983 0.7789	0.6427 0.8086	0.6503 0.8363	0.7247 0.8649	Ave		0.7412				12.6		30.0			
1,2-Dibromoethane	+++++ 0.7247	0.6094 0.7228	0.6175 0.7335	0.6222 0.7552	0.7003 0.7529	Ave		0.6932				8.6		30.0			
Tetrachloroethene	0.4615 0.4194	0.4554 0.4285	0.4032 0.4190	0.4139 0.4258	0.4229 0.4352	Ave		0.4285				4.2		30.0			
Chlorobenzene	+++++ 0.9115	0.9917 0.9164	0.9432 0.9147	0.8840 0.9435	0.9113 0.9620	Ave		0.9309				3.5		30.0			
Ethylbenzene	+++++ 1.5067	+++++ 1.5513	1.1790 1.5666	1.2124 1.5668	1.4086 1.5620	Ave		1.4442				11.2		30.0			
m-Xylene & p-Xylene	+++++ 1.1998	0.8398 1.2188	0.9173 1.2186	0.9705 1.2351	1.1355 1.1769	Ave		1.1014				13.7		30.0			
Nonane	+++++ 0.7428	+++++ 0.7737	+++++ 0.7701	0.5038 0.7671	0.6636 0.7422	Ave		0.7090				13.8		30.0			
Bromoform	+++++ 0.7588	+++++ 0.7693	0.5073 0.8929	0.5287 0.9642	0.6714 0.9989	Ave		0.7614				24.4		30.0			
Styrene	+++++ 0.8242	+++++ 0.8625	0.5350 0.8643	0.6365 0.8509	0.7561 0.8320	Lin2	-0.027	0.8487							0.9990		0.9900
o-Xylene	+++++ 1.2537	0.9010 1.2480	1.0261 1.2149	1.0842 1.1731	1.2133 1.1540	Ave		1.1409				10.3		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.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

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	+++++ 1.1462	+++++ 1.1179	1.0110 1.1371	1.0273 1.0972	1.1167 1.1004	Ave		1.0942				4.5		30.0			
1,2,3-Trichloropropane	+++++ 0.2489	+++++ 0.2473	0.2249 0.2477	0.2329 0.2392	0.2409 0.2484	Ave		0.2413				3.6		30.0			
Cumene	+++++ 1.5935	+++++ 1.6303	+++++ 1.6363	1.2293 1.6120	1.4566 1.6271	Ave		1.5407				9.8		30.0			
Propylbenzene	+++++ 0.4097	+++++ 0.4286	+++++ 0.4423	0.2878 0.4415	0.3719 +++++	Ave		0.3970				15.0		30.0			
2-Chlorotoluene	+++++ 0.4175	0.3205 0.4156	0.3517 0.4194	0.3535 0.4051	0.3990 +++++	Ave		0.3853				9.8		30.0			
4-Ethyltoluene	+++++ 1.6342	+++++ 1.6781	1.0957 1.7073	1.2229 1.6559	1.4589 1.7019	Ave		1.5193				15.7		30.0			
1,3,5-Trimethylbenzene	+++++ 0.6247	+++++ 0.6416	0.4496 0.6503	0.5084 0.6394	0.5804 0.6641	Lin2	-0.017	0.6442							0.9990		0.9900
Alpha Methyl Styrene	+++++ 0.5881	+++++ 0.6570	+++++ 0.6993	0.3596 0.7083	0.4680 0.7668	Ave		0.6067				24.0		30.0			
Decane	+++++ 1.0726	+++++ 1.0625	+++++ 1.0570	0.7950 1.0002	1.0152 0.9594	Ave		0.9946				9.7		30.0			
tert-Butylbenzene	+++++ 1.4199	+++++ 1.4357	1.0213 1.4705	1.1804 1.4834	1.3147 1.5192	Ave		1.3557				12.8		30.0			
1,2,4-Trimethylbenzene	+++++ 1.4577	+++++ 1.4594	0.9981 1.4822	1.1592 1.4573	1.3655 1.4289	Ave		1.3510				13.1		30.0			
sec-Butylbenzene	+++++ 2.1080	+++++ 2.1852	1.4048 2.2466	1.5415 2.2427	1.8864 +++++	Ave		1.9450				17.8		30.0			
1,3-Dichlorobenzene	0.8677 0.9272	0.8078 0.9331	0.7503 0.9745	0.8227 0.9777	0.8808 0.9814	Ave		0.8923				9.0		30.0			
alpha-Chlorotoluene	+++++ 1.0716	+++++ 1.2230	+++++ 1.3284	0.6848 1.3629	0.8894 1.4274	Ave		1.1411				24.0		30.0			
1,4-Dichlorobenzene	0.8750 0.8807	0.6820 0.8996	0.6976 0.9415	0.7728 0.9381	0.8332 0.9640	Ave		0.8484				11.8		30.0			
4-Isopropyltoluene	+++++ 1.6161	+++++ 1.6452	1.0016 1.6668	1.2030 1.6707	1.4758 1.6679	Ave		1.4934				17.1		30.0			
1,2,3-Trimethylbenzene	+++++ 1.4515	+++++ 1.4602	1.0088 1.4537	1.1976 1.4110	1.3622 1.4185	Ave		1.3454				12.0		30.0			
Indane	+++++ 1.3369	+++++ 1.3758	0.9566 1.4336	1.0020 1.4533	1.2184 1.3698	Ave		1.2683				15.2		30.0			
1,2-Dichlorobenzene	0.8948 0.9349	0.7448 0.9439	0.7863 0.9862	0.8153 1.0055	0.9015 0.9853	Ave		0.8999				10.0		30.0			
Indene	+++++ 1.1167	+++++ 1.2078	+++++ 1.2815	0.7819 1.3128	0.9758 1.2468	Ave		1.1319				17.0		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.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

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								
Butylbenzene	+++++ 1.9599	+++++ 1.9528	+++++ 1.9933	1.5170 1.9985	1.8319 1.7018	Lin2	-0.064	1.9478							0.9960		0.9900
Undecane	+++++ 1.1889	+++++ 1.2151	+++++ 1.2538	0.7689 1.2796	1.0031 1.1348	Ave		1.1206				16.1		30.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.4589	+++++ 0.5198	0.2556 +++++	0.2966 +++++	0.3995 +++++	Lin1	-0.028	0.5124							0.9950		0.9900
1,2,4,5-Tetramethylbenzene	+++++ 1.4386	+++++ 1.5093	0.6700 1.6414	0.8615 1.7703	1.1812 +++++	Lin1	-0.125	1.7087							0.9960		0.9900
Dodecane	+++++ 1.0635	+++++ 1.1170	+++++ 1.2260	+++++ 1.3119	0.7874 1.1287	Ave		1.1058				16.2		30.0			
1,2,4-Trichlorobenzene	+++++ 0.6133	+++++ 0.6574	0.3729 0.7926	0.4132 +++++	0.5129 +++++	Ave		0.5604				28.2		30.0			
Naphthalene	+++++ 1.4342	0.8441 1.5502	0.7272 1.7894	0.8359 1.7945	1.2503 +++++	Ave		1.2782				33.9	*	30.0			
Hexachlorobutadiene	+++++ 0.7624	0.6973 0.7723	0.7209 0.8166	0.7411 0.9175	0.7038 0.8398	Ave		0.7746				9.3		30.0			
1,2,3-Trichlorobenzene	+++++ 0.6601	0.5209 0.6542	0.4725 0.7278	0.5276 0.7685	0.5823 0.7496	Ave		0.6293				17.2		30.0			
2-Methylnaphthalene	+++++ 0.3280	+++++ 0.3669	+++++ 0.5743	+++++ 0.6380	0.2027 0.5268	Ave		0.4394				37.9		50.0			
1-Methylnaphthalene	+++++ 0.5144	+++++ 0.4923	+++++ 0.6654	+++++ 0.7050	0.3681 0.5282	Ave		0.5456				22.5		50.0			
4-Bromofluorobenzene (Surr)	0.6470 0.7042	0.6481 0.6953	0.6569 0.6942	0.6828 0.6519	0.7049 0.6255	Ave		0.6711				4.2		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-39100/3	HD16IC01.D
Level 2	IC 140-39100/4	HD16IC02.D
Level 3	IC 140-39100/5	HD16IC03.D
Level 4	IC 140-39100/6	HD16IC04.D
Level 5	IC 140-39100/7	HD16IC05.D
Level 6	IC 140-39100/8	HD16IC06.D
Level 7	ICIS 140-39100/9	HD16IC07.D
Level 8	IC 140-39100/11	HD16IC08.D
Level 9	IC 140-39100/13	HD16C09.D
Level 10	IC 140-39100/15	HD16IC10.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	+++++ 231500	11004 486289	20123 963019	35814 2067462	89827 4645992	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Propene	CBM	Lin2	+++++ 139705	+++++ 241206	+++++ 427965	+++++ 854036	+++++ 1786636	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	+++++ 16.0
Freon 12	CBM	Ave	+++++ 359489	16241 758766	31396 1463527	56371 3140078	140856 7021295	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloromethane	CBM	Ave	+++++ 37262	+++++ 79574	3999 152640	6920 333046	14923 695361	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Freon-114	CBM	Ave	+++++ 250336	10973 497468	19667 999739	38003 2138873	92562 4587553	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl chloride	CBM	Ave	3905 121630	6102 260327	10835 504476	19486 1097532	46282 2322657	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Butane	CBM	Ave	+++++ 145634	7920 319615	13595 609622	23955 1317848	56170 2819645	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,3-Butadiene	CBM	Ave	+++++ 85854	4237 185695	7251 364329	13332 800991	31980 1733328	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromomethane	CBM	Ave	+++++ 133380	+++++ 283021	12442 557215	21476 1195058	52498 2680699	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroethane	CBM	Ave	+++++ 52250	+++++ 114269	5154 220714	9049 473312	20202 1117601	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethanol	CBM	Ave	+++++ 189858	+++++ 437849	+++++ 849422	30833 1803812	76328 4024711	+++++ 5.00	+++++ 10.0	+++++ 20.0	0.800 40.0	2.00 80.0
Vinyl bromide	CBM	Ave	+++++ 121595	+++++ 259146	10864 512684	18795 1095069	46565 2449170	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylbutane	CBM	Ave	+++++ 102629	5834 230259	10223 439434	17975 922954	41883 2179006	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Freon 11	CBM	Ave	8638 307689	14717 673807	27087 1313983	49414 2754124	122445 6259604	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.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

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
Acrolein	CBM	Ave	+++++ 36991	+++++ 83698	+++++ 160207	+++++ 351820	14460 770263	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
Acetonitrile	CBM	Ave	+++++ 45061	+++++ 99811	+++++ 193771	6221 404640	15350 876291	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Acetone	CBM	Ave	+++++ 144197	+++++ 321031	+++++ 621189	26699 1306609	58978 2840455	+++++ 3.00	+++++ 6.00	+++++ 12.0	0.480 24.0	1.20 48.0
Pentane	CBM	Ave	+++++ 13325	+++++ 30063	+++++ 59233	2204 123932	5699 283032	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
2-Propanol	CBM	QuaF	11269 408240	17322 929352	35039 1833925	63906 3796296	155698 8062272	0.0600 3.00	0.120 6.00	0.240 12.0	0.480 24.0	1.20 48.0
Ethyl ether	CBM	Ave	+++++ 97518	+++++ 210353	8140 412535	14622 869980	38004 1865787	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1-Dichloroethene	CBM	Ave	2804 100847	5039 227649	8847 448571	15910 969472	39611 2234722	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
tert-Butyl alcohol	CBM	Ave	+++++ 173411	+++++ 400539	+++++ 801044	25034 1729850	64952 3874874	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Acrylonitrile	CBM	Ave	+++++ 80366	+++++ 178531	+++++ 362650	12503 769371	29756 1688190	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Freon 113	CBM	Ave	+++++ 245213	11699 530093	21519 1037519	38557 2185448	96750 4903021	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methylene Chloride	CBM	Lin2	+++++ 154970	+++++ 277879	+++++ 484483	+++++ 964215	92172 2087076	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
3-Chloropropene	CBM	Ave	+++++ 91499	+++++ 183177	8576 381139	14877 794100	35436 1680097	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon disulfide	CBM	Ave	+++++ 321614	+++++ 700695	26707 1401786	49948 2950735	121608 6586980	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
trans-1,2-Dichloroethene	CBM	Ave	+++++ 104558	4645 231517	8457 462023	16038 1004966	38437 2341906	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylpentane	CBM	Ave	+++++ 216620	9022 470982	16726 927170	31198 1934336	80643 4230295	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methyl tert-butyl ether	CBM	Ave	+++++ 250002	+++++ 566203	18109 1113570	35919 2377350	93424 5377846	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1-Dichloroethane	CBM	Ave	+++++ 203725	9995 444836	18939 870501	32795 1864545	80555 4207742	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl acetate	CBM	Ave	+++++ 268831	+++++ 609105	17617 1260082	34018 2745775	91256 6112232	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Butanone	CBM	Ave	+++++ 46715	+++++ 105028	3340 208856	7039 459705	17276 1059600	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Hexane	CBM	Ave	+++++ 81612	3330 177214	6554 350514	11424 735372	30138 1664785	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
cis-1,2-Dichloroethene	CBM	Ave	+++++ 109138	4992 244867	8768 483319	15922 1051184	41173 2404412	+++++ 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.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

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
Ethyl acetate	CBM	Ave	+++++ 243309	+++++ 528533	18488 1057713	34352 2280021	88887 5058973	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroform	CBM	Ave	+++++ 259748	11359 555591	22975 1089216	40055 2319314	102267 5266742	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrahydrofuran	CBM	Ave	+++++ 111448	+++++ 241581	8369 486618	15601 1048134	38891 2325299	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,1-Trichloroethane	CBM	Ave	5936 238710	10895 519709	19125 1035652	36041 2226667	90992 5228667	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	+++++ 159660	6770 341615	13517 674961	24301 1438586	63603 3239207	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1-Butanol	DFBZ	Ave	+++++ 31194	+++++ 74752	+++++ 163141	3754 367453	11011 823377	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Cyclohexane	DFBZ	Ave	+++++ 44463	+++++ 97449	3214 194896	5387 419218	17030 984941	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Benzene	DFBZ	Ave	+++++ 327048	14835 702040	26805 1381354	50090 2959608	124381 6814294	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon tetrachloride	DFBZ	Ave	6123 235027	9885 428945	18653 1027125	35971 2236066	89850 5348449	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	+++++ 63177	+++++ 143017	4636 276254	8770 587746	23858 1323627	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Thiophene	DFBZ	Ave	+++++ 187275	+++++ 408590	13982 804688	26308 1741820	70215 3939750	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 502191	21037 1105098	38853 2202334	71678 4729216	185595 10844560	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Heptane	DFBZ	Ave	+++++ 91657	+++++ 207953	6380 422040	12061 936570	32858 2204310	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichloropropane	DFBZ	Ave	+++++ 134477	+++++ 288578	11447 570867	20019 1229183	51542 2802753	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Trichloroethene	DFBZ	Ave	3632 127602	5518 290163	10774 562502	19415 1238898	49084 2898833	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Dibromomethane	DFBZ	Ave	+++++ 163438	7636 353400	13194 689705	24181 1497232	63193 3408707	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromodichloromethane	DFBZ	Ave	+++++ 260503	10187 566974	19747 1141997	37024 2474307	97760 5771198	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,4-Dioxane	DFBZ	Ave	+++++ 45200	+++++ 108163	+++++ 219730	6344 467421	16940 1048208	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Methyl methacrylate	DFBZ	Ave	+++++ 124803	+++++ 281242	7912 572229	15453 1231161	44369 2711034	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methylcyclohexane	DFBZ	Lin1	+++++ 166351	5640 382280	10759 779341	20710 1717022	58914 4057821	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
4-Methyl-2-pentanone (MIBK)	DFBZ	Ave	+++++ 246503	7769 558163	14642 1156932	29615 2505241	85978 5681206	+++++ 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.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

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-1,3-Dichloropropene	DFBZ	Ave	+++++ 180786	5756 405317	11596 829424	23365 1842062	64503 4235824	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
trans-1,3-Dichloropropene	CBZd 5	Ave	+++++ 151775	4983 347837	9453 751139	18209 1757736	50863 4155320	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Toluene	CBZd 5	Lin2	+++++ 359526	+++++ 814775	23680 1645627	45801 3618377	129213 8442824	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,2-Trichloroethane	CBZd 5	Ave	+++++ 132187	5283 292002	10378 578879	20097 1247689	50779 2833954	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Hexanone	CBZd 5	Ave	+++++ 113223	+++++ 276466	+++++ 586718	10396 1298399	34298 3099705	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
C8 Range	DFBZ	Ave	+++++ 1017108	+++++ 2244338	65706 4495106	131899 9596132	374828 21890779	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Octane	CBZd 5	Ave	+++++ 96698	+++++ 223369	+++++ 464843	10479 1032477	34092 2492358	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Dibromochloromethane	CBZd 5	Ave	+++++ 233797	7655 525843	15744 1125338	30600 2569991	84287 6305124	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dibromoethane	CBZd 5	Ave	+++++ 221286	7797 487987	15125 1020772	29274 2320778	81447 5488598	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrachloroethene	CBZd 5	Ave	3169 128051	5826 289299	9877 583145	19473 1308529	49185 3173034	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chlorobenzene	CBZd 5	Ave	+++++ 278338	12688 618693	23105 1272896	41596 2899265	105985 7013464	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethylbenzene	CBZd 5	Ave	+++++ 460069	+++++ 1047293	28881 2180137	57047 4814622	163820 11387475	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
m-Xylene & p-Xylene	CBZd 5	Ave	+++++ 732692	21489 1645607	44937 3391621	91330 7590625	264124 17159700	+++++ 2.00	0.0800 4.00	0.160 8.00	0.320 16.0	0.800 32.0
Nonane	CBZd 5	Ave	+++++ 226817	+++++ 522325	+++++ 1071726	23707 2357236	77180 5410526	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Bromoform	CBZd 5	Ave	+++++ 231700	+++++ 519364	12426 1242561	24877 2962933	78091 7282003	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Styrene	CBZd 5	Lin2	+++++ 251682	+++++ 582294	13105 1202773	29948 2614749	87934 6065693	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
o-Xylene	CBZd 5	Ave	+++++ 382815	11527 842502	25134 1690681	51012 3605048	141114 8412759	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,2,2-Tetrachloroethane	CBZd 5	Ave	+++++ 349990	+++++ 754733	24765 1582520	48338 3371779	129877 8021948	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,3-Trichloropropane	CBZd 5	Ave	+++++ 76006	+++++ 166974	5508 344685	10959 735160	28017 1810615	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Cumene	CBZd 5	Ave	+++++ 486566	+++++ 1100652	+++++ 2277155	57843 4953618	169405 11862116	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Propylbenzene	CBZd 5	Ave	+++++ 125088	+++++ 289338	+++++ 615504	13541 1356728	43255 +++++	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 +++++

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
2-Chlorotoluene	CBZd 5	Ave	+++++ 127493	4101 280556	8616 583613	16633 1244997	46403 +++++	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
4-Ethyltoluene	CBZd 5	Ave	+++++ 499000	+++++ 1132867	26839 2375918	57542 5088580	169671 12406817	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,3,5-Trimethylbenzene	CBZd 5	Lin2	+++++ 190751	+++++ 433130	11014 904990	23921 1964746	67506 4841639	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Alpha Methyl Styrene	CBZd 5	Ave	+++++ 179584	+++++ 443556	+++++ 973148	16922 2176590	54434 5590147	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Decane	CBZd 5	Ave	+++++ 327523	+++++ 717310	+++++ 1470997	37409 3073620	118068 6994366	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
tert-Butylbenzene	CBZd 5	Ave	+++++ 433573	+++++ 969278	25018 2046472	55542 4558596	152906 11074891	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,4-Trimethylbenzene	CBZd 5	Ave	+++++ 445105	+++++ 985232	24449 2062691	54541 4478253	158811 10416980	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
sec-Butylbenzene	CBZd 5	Ave	+++++ 643662	+++++ 1475251	34412 3126528	72529 6891856	219395 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
1,3-Dichlorobenzene	CBZd 5	Ave	5959 283133	10335 629940	18378 1356116	38711 3004392	102440 7154411	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
alpha-Chlorotoluene	CBZd 5	Ave	+++++ 327220	+++++ 825637	+++++ 1848688	32222 4188193	103438 10405686	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,4-Dichlorobenzene	CBZd 5	Ave	6009 268919	8725 607350	17088 1310298	36362 2882638	96899 7027867	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
4-Isopropyltoluene	CBZd 5	Ave	+++++ 493467	+++++ 1110692	24534 2319630	56604 5134104	171643 12159293	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,3-Trimethylbenzene	CBZd 5	Ave	+++++ 443228	+++++ 985784	24711 2023027	56349 4335946	158427 10341419	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Indane	CBZd 5	Ave	+++++ 408235	+++++ 928811	23433 1995144	47145 4466008	141703 9985831	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichlorobenzene	CBZd 5	Ave	6145 285474	9529 637250	19261 1372447	38362 3089904	104846 7182845	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Indene	CBZd 5	Ave	+++++ 340988	+++++ 815409	+++++ 1783350	36789 4034180	113484 9089023	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Butylbenzene	CBZd 5	Lin2	+++++ 598461	+++++ 1318318	+++++ 2773990	71377 6141265	213054 12406646	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Undecane	CBZd 5	Ave	+++++ 363019	+++++ 820319	+++++ 1744807	36177 3932182	116661 8272907	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,2-Dibromo-3-Chloropropane	CBZd 5	Lin1	+++++ 140139	+++++ 350953	6262 +++++	13954 +++++	46467 +++++	+++++ 1.00	+++++ 2.00	0.0800 +++++	0.160 +++++	0.400 +++++
1,2,4,5-Tetramethylbenzene	CBZd 5	Lin1	+++++ 439273	+++++ 1018930	16411 2284296	40538 5440106	137380 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
Dodecane	CBZd 5	Ave	+++++ 324734	+++++ 754126	+++++ 1706215	+++++ 4031518	91576 8228196	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 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.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
1,2,4-Trichlorobenzene	CBZd5	Ave	+++++ 187269	+++++ 443828	9135 1103007	19442 +++++	59652 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 +++++	0.400 +++++
Naphthalene	CBZd5	Ave	+++++ 437919	10799 1046543	17814 2490239	39332 5514360	145411 +++++	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
Hexachlorobutadiene	CBZd5	Ave	+++++ 232795	8921 521395	17658 1136376	34869 2819544	81851 6122575	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,3-Trichlorobenzene	CBZd5	Ave	+++++ 201572	6664 441687	11573 1012803	24824 2361537	67722 5464745	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylnaphthalene	CBZd5	Ave	+++++ 100153	+++++ 247741	+++++ 799266	+++++ 1960658	23571 3840400	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
1-Methylnaphthalene	CBZd5	Ave	+++++ 157067	+++++ 332364	+++++ 926074	+++++ 2166654	42808 3851176	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	888610 860143	829134 938760	804495 966038	803145 1001617	819799 1140026	4.00 4.00	4.00 4.00	4.00 4.00	4.00 4.00	4.00 4.00

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc 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.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-39100/3	HD16IC01.D
Level 2	IC 140-39100/4	HD16IC02.D
Level 3	IC 140-39100/5	HD16IC03.D
Level 4	IC 140-39100/6	HD16IC04.D
Level 5	IC 140-39100/7	HD16IC05.D
Level 6	IC 140-39100/8	HD16IC06.D
Level 7	ICIS 140-39100/9	HD16IC07.D
Level 8	IC 140-39100/11	HD16IC08.D
Level 9	IC 140-39100/13	HD16C09.D
Level 10	IC 140-39100/15	HD16IC10.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
Chlorodifluoromethane	+++++	9.1						50				
Propene	+++++	+++++	+++++	+++++	+++++	-0.5						50
Freon 12	+++++	4.7						50				
Chloromethane	+++++	+++++	25.9						50			
Freon-114	+++++	6.1						50				
Vinyl chloride	32.1						50					
Butane	+++++	20.5						50				
1,3-Butadiene	+++++	12.4						50				
Bromomethane	+++++	+++++	13.2						50			
Chloroethane	+++++	+++++	16.3						50			
Ethanol	+++++	+++++	+++++	3.0						50		
Vinyl bromide	+++++	+++++	9.7						50			
2-Methylbutane	+++++	20.9						50				
Freon 11	16.6						50					

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
Acrolein	+++++	+++++	+++++	+++++	2.0						50	
Acetonitrile	+++++	+++++	+++++	-5.4						50		
Acetone	+++++	+++++	+++++	17.8						80		
Pentane	+++++	+++++	+++++	4.3						50		
2-Propanol	8.4						50					
Ethyl ether	+++++	+++++	4.1						50			
1,1-Dichloroethene	13.0						50					
tert-Butyl alcohol	+++++	+++++	+++++	-7.8						50		
Acrylonitrile	+++++	+++++	+++++	0.9						50		
Freon 113	+++++	8.4						50				
Methylene Chloride	+++++	+++++	+++++	+++++	-1.6						80	
3-Chloropropene	+++++	+++++	16.1						50			
Carbon disulfide	+++++	+++++	1.9						50			
trans-1,2-Dichloroethene	+++++	1.0						50				
2-Methylpentane	+++++	-0.8						50				
Methyl tert-butyl ether	+++++	+++++	-10.3						50			
1,1-Dichloroethane	+++++	9.1						50				
Vinyl acetate	+++++	+++++	-17.8						50			
2-Butanone	+++++	+++++	-12.6						50			
Hexane	+++++	-3.2						50				
cis-1,2-Dichloroethene	+++++	4.0						50				

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

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	+++++	+++++	-4.5						50			
Chloroform	+++++	0.6						50				
Tetrahydrofuran	+++++	+++++	-5.0						50			
1,1,1-Trichloroethane	6.0						50					
1,2-Dichloroethane	+++++	-0.8						50				
1-Butanol	+++++	+++++	+++++	-28.5						50		
Cyclohexane	+++++	+++++	-10.8						50			
Benzene	+++++	5.8						50				
Carbon tetrachloride	12.0						50					
2,3-Dimethylpentane	+++++	+++++	-10.3						50			
Thiophene	+++++	+++++	-8.4						50			
2,2,4-Trimethylpentane	+++++	-1.3						50				
Heptane	+++++	+++++	-16.6						50			
1,2-Dichloropropane	+++++	+++++	2.6						50			
Trichloroethene	17.3						50					
Dibromomethane	+++++	8.7						50				
Bromodichloromethane	+++++	-7.4						50				
1,4-Dioxane	+++++	+++++	+++++	-14.2						50		
Methyl methacrylate	+++++	+++++	-21.2						50			
Methylcyclohexane	+++++	36.4						50				
4-Methyl-2-pentanone (MIBK)	+++++	-22.2						50				

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

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	+++++	-22.6						50				
trans-1,3-Dichloropropene	+++++	-18.4						50				
Toluene	+++++	+++++	3.3						50			
1,1,2-Trichloroethane	+++++	-1.6						50				
2-Hexanone	+++++	+++++	+++++	-39.7						50		
Octane	+++++	+++++	+++++	-28.3						50		
Dibromochloromethane	+++++	-19.3						50				
1,2-Dibromoethane	+++++	-12.1						50				
Tetrachloroethene	7.7						50					
Chlorobenzene	+++++	6.5						50				
Ethylbenzene	+++++	+++++	-18.4						50			
m-Xylene & p-Xylene	+++++	-23.7						50				
Nonane	+++++	+++++	+++++	-28.9						50		
Bromoform	+++++	+++++	-33.4						50			
Styrene	+++++	+++++	2.9						50			
o-Xylene	+++++	-21.0						50				
1,1,2,2-Tetrachloroethane	+++++	+++++	-7.6						50			
1,2,3-Trichloropropane	+++++	+++++	-6.8						50			
Cumene	+++++	+++++	+++++	-20.2						50		
Propylbenzene	+++++	+++++	+++++	-27.5 +++++						50		
2-Chlorotoluene	+++++	-16.8		+++++				50				

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

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	+++++	+++++	-27.9						50			
1,3,5-Trimethylbenzene	+++++	+++++	2.9						50			
Alpha Methyl Styrene	+++++	+++++	+++++	-40.7						50		
Decane	+++++	+++++	+++++	-20.1						50		
tert-Butylbenzene	+++++	+++++	-24.7						50			
1,2,4-Trimethylbenzene	+++++	+++++	-26.1						50			
sec-Butylbenzene	+++++	+++++	-27.8	+++++					50			
1,3-Dichlorobenzene	-2.8						50					
alpha-Chlorotoluene	+++++	+++++	+++++	-40.0						50		
1,4-Dichlorobenzene	3.1						50					
4-Isopropyltoluene	+++++	+++++	-32.9						50			
1,2,3-Trimethylbenzene	+++++	+++++	-25.0						50			
Indane	+++++	+++++	-24.6						50			
1,2-Dichlorobenzene	-0.6						50					
Indene	+++++	+++++	+++++	-30.9						50		
Butylbenzene	+++++	+++++	+++++	-1.7						50		
Undecane	+++++	+++++	+++++	-31.4						50		
1,2-Dibromo-3-Chloropropane	+++++	+++++ +++++	17.6 +++++	+++++					50			
1,2,4,5-Tetramethylbenzene	+++++	+++++	30.6	+++++					50			
Dodecane	+++++	+++++	+++++	+++++	-28.8						50	
1,2,4-Trichlorobenzene	+++++	+++++	-33.5 +++++	+++++					50			

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1 Analy Batch No.: 39100

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/16/2020 08:03 Calibration End Date: 04/16/2020 18:34 Calibration ID: 2402

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	+++++	-34.0		+++++				80				
Hexachlorobutadiene	+++++	-10.0						50				
1,2,3-Trichlorobenzene	+++++	-17.2						50				
2-Methylnaphthalene	+++++	+++++	+++++	+++++	-53.9						80	
1-Methylnaphthalene	+++++	+++++	+++++	+++++	-32.5						80	

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC01.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 16-Apr-2020 08:03:30 ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015239-003
Misc. Info.: 297345
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Apr-2020 10:48:16 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: tajh Date: 16-Apr-2020 12:16:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.582	8.589	-0.007	97	254723	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.784	10.792	-0.008	95	1740764	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.570	15.572	-0.002	89	1373487	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.219	17.222	-0.003	88	888610	4.00	3.86	
6 Chlorodifluoromethane	51	3.548	3.546	0.002	69	5795	0.0200	0.0216	
7 Propene	41	3.553	3.555	-0.002	99	61509	0.0200	-0.1040	
8 Dichlorodifluoromethane	85	3.610	3.606	0.004	99	10211	0.0200	0.0247	
9 Chloromethane	52	3.776	3.779	-0.003	55	1401	0.0200	0.0311	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.786	3.785	0.001	96	6921	0.0200	0.0251	
11 Acetaldehyde	44	3.936	3.930	0.006	99	9951	0.1000	0.1983	
12 Vinyl chloride	62	3.946	3.945	0.001	69	3905	0.0200	0.0264	
13 Butane	43	4.029	4.028	0.001	83	5363	0.0200	0.0306	
14 Butadiene	54	4.029	4.028	0.001	66	2771	0.0200	0.0276	
15 Bromomethane	94	4.334	4.337	-0.003	93	4051	0.0200	0.0260	
16 Chloroethane	64	4.479	4.473	0.005	77	2250	0.0200	0.0358	
17 Ethanol	31	4.572	4.571	0.001	98	5996	0.1000	0.1320	
18 Vinyl bromide	106	4.763	4.763	0.000	95	3891	0.0200	0.0277	
19 2-Methylbutane	43	4.804	4.806	-0.002	83	5036	0.0200	0.0392	
20 Trichlorofluoromethane	101	5.021	5.022	-0.001	99	8638	0.0200	0.0233	
21 Acrolein	56	5.037	5.037	0.000	46	1934	0.0200	0.0446	
22 Acetonitrile	40	5.238	5.116	0.122	59	734	0.0200	0.0147	
23 Acetone	58	5.166	5.154	0.012	97	5466	0.0600	0.0954	
24 Pentane	72	5.228	5.236	-0.008	97	414	0.0200	0.0258	
25 Isopropyl alcohol	45	5.254	5.241	0.013	93	11269	0.0600	0.0650	
26 Ethyl ether	31	5.429	5.408	0.021	85	2795	0.0200	0.0252	
27 1,1-Dichloroethene	96	5.709	5.716	-0.007	95	2804	0.0200	0.0226	
28 Acrylonitrile	53	5.833	5.826	0.007	74	2474	0.0200	0.0263	
29 2-Methyl-2-propanol	59	5.864	5.832	0.032	95	4477	0.0200	0.0217	
30 1,1,2-Trichloro-1,2,2-trif	101	5.884	5.889	-0.005	91	7634	0.0200	0.0266	
31 Methylene Chloride	84	6.060	6.063	-0.003	98	68713	0.0200	-0.002048	

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	6.076	6.076	0.000	92	3666	0.0200	0.0350	
33 Carbon disulfide	76	6.210	6.218	-0.008	98	8516	0.0200	0.0229	
34 trans-1,2-Dichloroethene	96	6.846	6.859	-0.013	92	2820	0.0200	0.0230	
35 2-Methylpentane	43	6.871	6.873	-0.002	91	5962	0.0200	0.0246	
36 Methyl tert-butyl ether	73	7.011	6.989	0.022	94	5977	0.0200	0.0209	
37 1,1-Dichloroethane	63	7.269	7.280	-0.011	99	6149	0.0200	0.0252	
38 Vinyl acetate	43	7.388	7.385	0.003	97	6358	0.0200	0.0209	
39 2-Butanone (MEK)	72	7.843	7.832	0.011	86	1290	0.0200	0.0238	
40 Hexane	56	7.848	7.848	0.000	70	2148	0.0200	0.0234	
41 Isopropyl ether	45	8.029	8.011	0.018	93	8402	0.0200	0.0214	
42 cis-1,2-Dichloroethene	96	8.246	8.259	-0.013	96	2881	0.0200	0.0225	
43 Ethyl acetate	43	8.453	8.446	0.007	97	6511	0.0200	0.0237	
44 Chloroform	83	8.587	8.601	-0.014	32	7551	0.0200	0.0251	
45 Tert-butyl ethyl ether	59	8.706	8.688	0.018	94	7187	0.0200	0.0210	
46 Tetrahydrofuran	42	9.037	9.005	0.032	83	3037	0.0200	0.0243	
47 1,1,1-Trichloroethane	97	9.611	9.623	-0.012	96	5936	0.0200	0.0212	
48 1,2-Dichloroethane	62	9.724	9.736	-0.012	95	4554	0.0200	0.0247	
49 n-Butanol	31	10.231	10.201	0.030	45	794	0.0200	0.0203	
50 Cyclohexane	69	10.221	10.229	-0.008	66	956	0.0200	0.0191	
51 Benzene	78	10.215	10.231	-0.016	97	9757	0.0200	0.0258	
52 Carbon tetrachloride	117	10.246	10.253	-0.007	87	6123	0.0200	0.0224	
53 2,3-Dimethylpentane	71	10.339	10.351	-0.012	80	1266	0.0200	0.0176	
54 Thiophene	84	10.500	10.512	-0.012	93	4765	0.0200	0.0225	
55 Isooctane	57	11.001	11.005	-0.004	97	13396	0.0200	0.0233	
56 n-Heptane	71	11.389	11.392	-0.003	88	2191	0.0200	0.0206	
57 1,2-Dichloropropane	63	11.476	11.478	-0.002	91	4038	0.0200	0.0260	
58 Trichloroethene	130	11.513	11.514	-0.001	90	3632	0.0200	0.0235	
59 Dibromomethane	93	11.595	11.602	-0.007	92	4667	0.0200	0.0246	
60 Dichlorobromomethane	83	11.740	11.748	-0.008	95	6385	0.0200	0.0215	
61 1,4-Dioxane	88	11.797	11.770	0.027	54	866	0.0200	0.0157	
62 Methyl methacrylate	41	11.843	11.847	-0.004	89	2379	0.0200	0.0170	
63 Methylcyclohexane	83	12.288	12.288	0.000	89	3362	0.0200	0.0421	
64 4-Methyl-2-pentanone (MIBK	43	12.727	12.710	0.017	82	4711	0.0200	0.0175	
65 cis-1,3-Dichloropropene	75	12.763	12.764	-0.001	95	3914	0.0200	0.0195	
66 trans-1,3-Dichloropropene	75	13.466	13.471	-0.005	96	2962	0.0200	0.0181	
67 Toluene	91	13.590	13.589	0.001	93	8047	0.0200	0.0369	
68 1,1,2-Trichloroethane	83	13.668	13.670	-0.002	96	3590	0.0200	0.0249	
69 2-Hexanone	58	14.066	14.059	0.007	92	1638	0.0200	0.0130	
70 n-Octane	85	14.288	14.287	0.001	88	1375	0.0200	0.0129	
71 Chlorodibromomethane	129	14.371	14.374	-0.003	92	4653	0.0200	0.0183	
72 Ethylene Dibromide	107	14.665	14.668	-0.003	92	5139	0.0200	0.0216	
73 Tetrachloroethene	129	14.738	14.739	-0.001	89	3169	0.0200	0.0215	
74 Chlorobenzene	112	15.616	15.622	-0.006	93	7787	0.0200	0.0244	
75 2,3-Dimethylheptane	43	15.642	15.643	-0.001	92	7962	0.0200	0.0221	
76 Ethylbenzene	91	15.911	15.911	0.000	97	9752	0.0200	0.0197	
77 m-Xylene & p-Xylene	91	16.076	16.076	0.000	97	13152	0.0400	0.0348	
78 n-Nonane	57	16.500	16.497	0.003	88	3002	0.0200	0.0123	
79 Bromoform	173	16.531	16.527	0.004	50	3507	0.0200	0.0134	
80 Styrene	104	16.541	16.541	0.000	94	3545	0.0200	0.0441	
81 o-Xylene	91	16.598	16.601	-0.003	98	6472	0.0200	0.0165	
82 1,1,2,2-Tetrachloroethane	83	16.929	16.930	-0.001	94	7449	0.0200	0.0198	
83 1,2,3-Trichloropropane	110	17.084	17.089	-0.005	95	1720	0.0200	0.0208	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.193	17.192	0.001	53	9365	0.0200	0.0177	
85 N-Propylbenzene	120	17.756	17.756	0.000	98	2157	0.0200	0.0158	
86 2-Chlorotoluene	126	17.792	17.794	-0.002	97	2530	0.0200	0.0191	
87 4-Ethyltoluene	105	17.911	17.912	-0.001	97	7197	0.0200	0.0138	
88 1,3,5-Trimethylbenzene	120	17.989	17.992	-0.003	91	2953	0.0200	0.0398	
89 Alpha Methyl Styrene	118	18.237	18.237	0.000	81	2333	0.0200	0.0112	
90 n-Decane	57	18.299	18.299	0.000	92	3516	0.0200	0.0103	
91 tert-Butylbenzene	119	18.438	18.439	-0.001	87	6765	0.0200	0.0145	
92 1,2,4-Trimethylbenzene	105	18.454	18.454	0.000	92	6071	0.0200	0.0131	
93 sec-Butylbenzene	105	18.717	18.722	-0.005	97	8811	0.0200	0.0132	
94 1,3-Dichlorobenzene	146	18.738	18.739	-0.001	93	5959	0.0200	0.0194	
95 Benzyl chloride	91	18.816	18.817	-0.001	79	4628	0.0200	0.0118	
96 1,4-Dichlorobenzene	146	18.826	18.829	-0.003	94	6009	0.0200	0.0206	
97 4-Isopropyltoluene	119	18.893	18.894	-0.001	93	6143	0.0200	0.0120	
98 1,2,3-Trimethylbenzene	105	18.945	18.948	-0.003	98	6577	0.0200	0.0142	
99 Butylcyclohexane	83	19.002	19.005	-0.003	89	5109	0.0200	0.0129	
101 2,3-Dihydroindene	117	19.203	19.204	-0.001	84	6074	0.0200	0.0139	
100 1,2-Dichlorobenzene	146	19.203	19.205	-0.002	89	6145	0.0200	0.0199	
102 Indene	116	19.338	19.340	-0.002	79	4114	0.0200	0.0106	
103 n-Butylbenzene	91	19.348	19.346	0.002	95	7706	0.0200	0.0442	
104 Undecane	57	19.668	19.672	-0.004	85	3302	0.0200	0.008582	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.833	0.001	82	1855	0.0200	0.0647	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	95	4324	0.0200	0.0805	
107 Dodecane	57	20.764	20.765	-0.001	87	2551	0.0200	0.006719	
108 1,2,4-Trichlorobenzene	180	20.966	20.966	0.000	90	3355	0.0200	0.0174	
109 Naphthalene	128	21.110	21.111	-0.001	98	6254	0.0200	0.0142	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	87	5391	0.0200	0.0203	
111 1,2,3-Trichlorobenzene	180	21.405	21.410	-0.005	92	4316	0.0200	0.0200	
112 2-Methylnaphthalene	142	22.066	22.062	0.004	93	1509	0.0200	0.0100	
113 1-Methylnaphthalene	142	22.191	22.191	0.000	92	2313	0.0200	0.0123	
A 115 C8 Range	1	14.278	(14.247-14.309)		0	27177	0.0200	0.0240	
S 116 Xylenes, Total	100				0		0.0600	0.0513	
S 117 1,2-Dichloroethene, Total	1				0		0.0400	0.0456	

Reagents:

40L1-3DQP_00026	Amount Added: 50.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

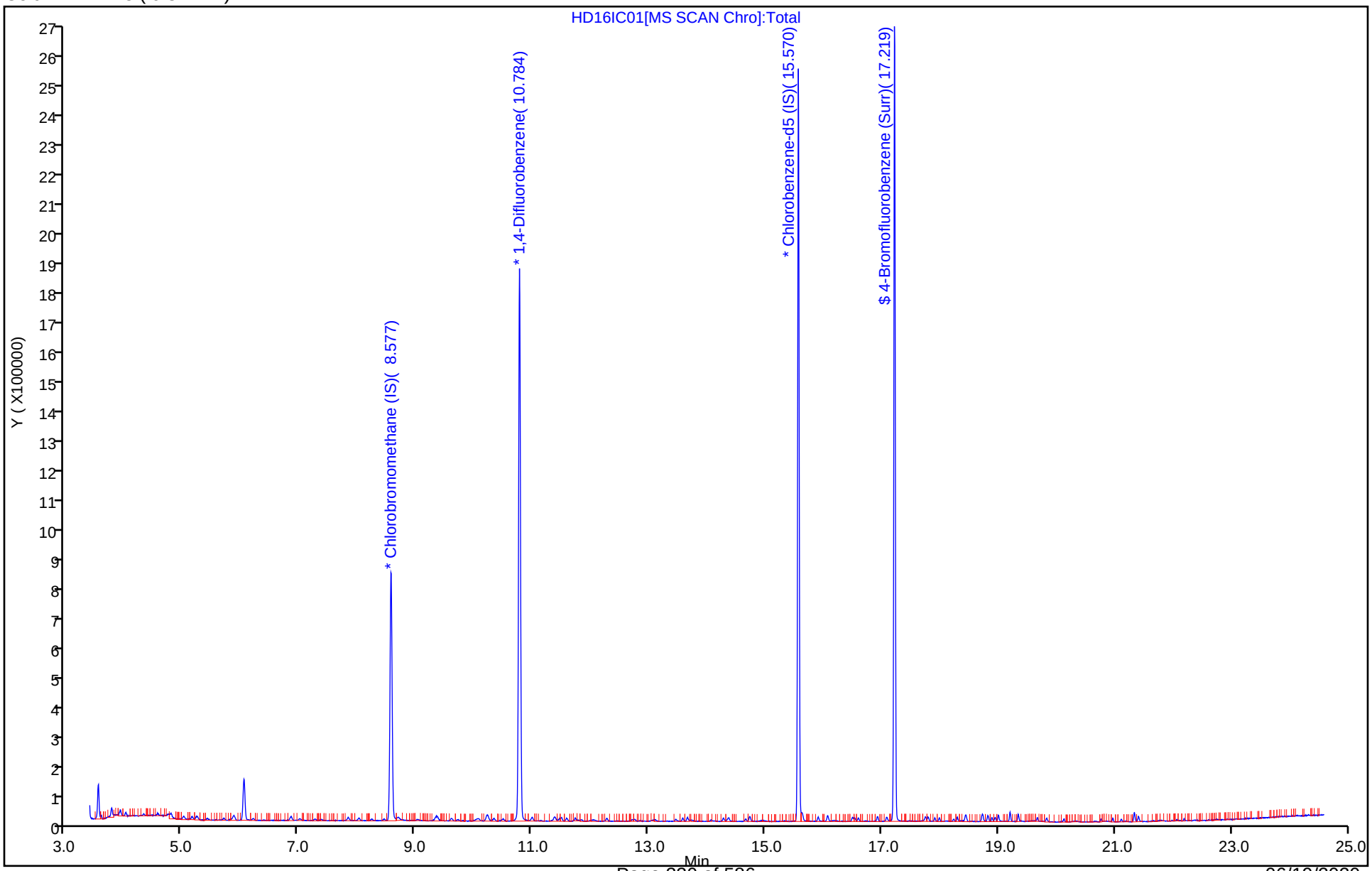
Report Date: 21-Apr-2020 10:48:17 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC01.D

Injection Date:	16-Apr-2020 08:03:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	IC L1			Worklist Smp#:	3
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)

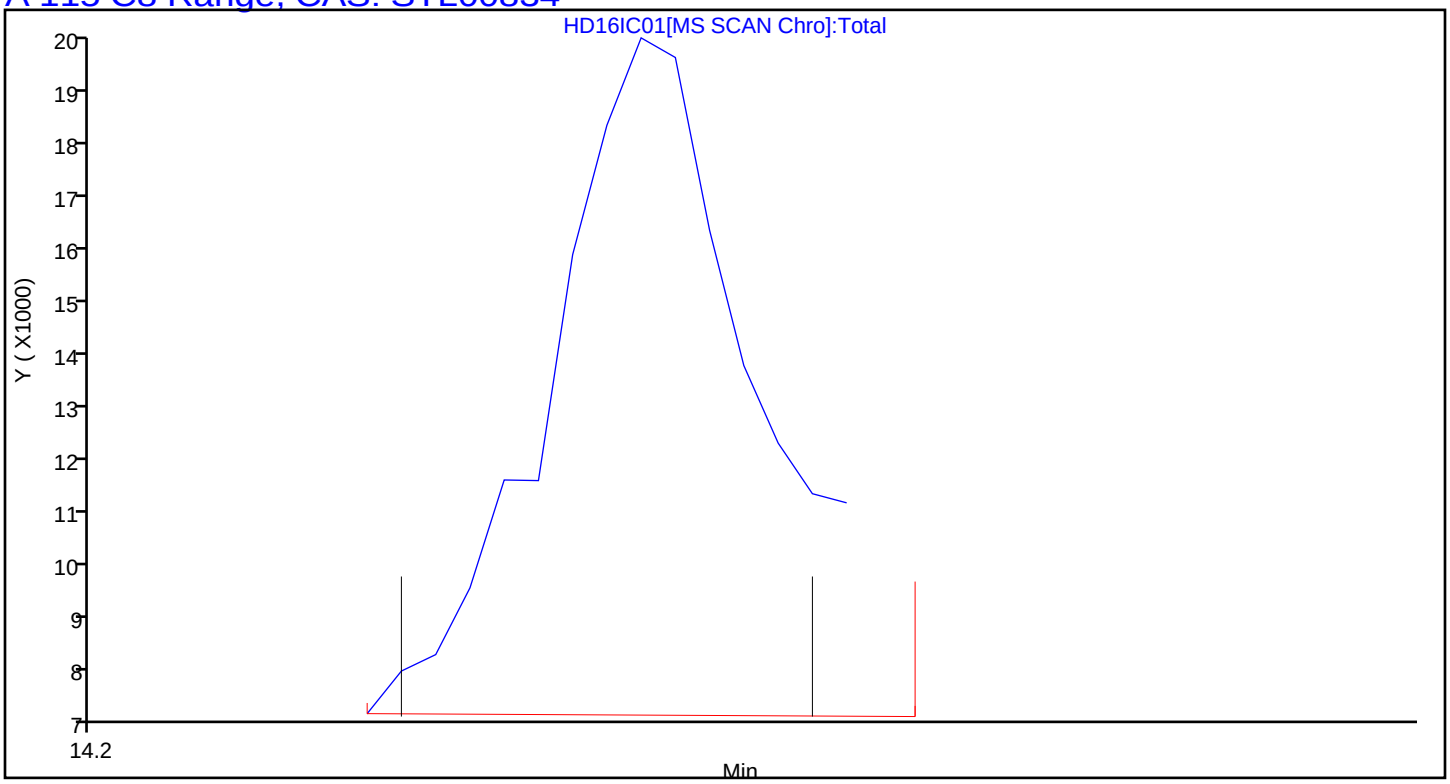


Report Date: 21-Apr-2020 10:48:17 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC01.D				
Injection Date:	16-Apr-2020 08:03:30	Instrument ID:	MH		
Lims ID:	IC L1				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	1	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\20200416-15239.b\HD16IC02.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 16-Apr-2020 08:55:30 ALS Bottle#: 1 Worklist Smp#: 4
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015239-004
Misc. Info.: 297345
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Apr-2020 10:48:21 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: tajh Date: 20-Apr-2020 10:42:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.587	8.589	-0.002	96	239083	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.789	10.792	-0.003	95	1612037	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.570	15.572	-0.002	90	1279385	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.219	17.222	-0.004	88	829134	4.00	3.86	
6 Chlorodifluoromethane	51	3.543	3.546	-0.003	96	11004	0.0400	0.0436	
7 Propene	41	3.558	3.555	0.003	98	58784	0.0400	-0.0921	
8 Dichlorodifluoromethane	85	3.605	3.606	-0.001	100	16241	0.0400	0.0419	
9 Chloromethane	52	3.781	3.779	0.002	56	2364	0.0400	0.0559	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.791	3.785	0.006	94	10973	0.0400	0.0424	
11 Acetaldehyde	44	3.936	3.930	0.006	99	15241	0.2000	0.3235	
12 Vinyl chloride	62	3.946	3.945	0.001	76	6102	0.0400	0.0440	
14 Butadiene	54	4.029	4.028	0.001	72	4237	0.0400	0.0449	
13 Butane	43	4.034	4.028	0.006	85	7920	0.0400	0.0482	
15 Bromomethane	94	4.339	4.337	0.002	96	7204	0.0400	0.0492	
16 Chloroethane	64	4.478	4.473	0.005	96	2842	0.0400	0.0481	
17 Ethanol	31	4.571	4.571	0.000	93	6449	0.2000	0.1513	
18 Vinyl bromide	106	4.763	4.763	0.000	97	5814	0.0400	0.0441	
19 2-Methylbutane	43	4.809	4.806	0.003	87	5834	0.0400	0.0484	
20 Trichlorofluoromethane	101	5.021	5.022	-0.001	97	14717	0.0400	0.0423	
21 Acrolein	56	5.037	5.037	0.000	82	2493	0.0400	0.0613	
23 Acetone	58	5.176	5.154	0.022	98	7470	0.1200	0.1389	
24 Pentane	72	5.233	5.236	-0.003	95	593	0.0400	0.0394	
22 Acetonitrile	40	5.099	5.116	-0.017	61	1859	0.0400	0.0397	
25 Isopropyl alcohol	45	5.259	5.241	0.018	95	17322	0.1200	0.1065	
26 Ethyl ether	31	5.424	5.408	0.016	94	4481	0.0400	0.0430	
27 1,1-Dichloroethene	96	5.719	5.716	0.003	98	5039	0.0400	0.0433	
28 Acrylonitrile	53	5.817	5.826	-0.009	79	3442	0.0400	0.0390	
29 2-Methyl-2-propanol	59	5.864	5.832	0.032	96	7099	0.0400	0.0367	
30 1,1,2-Trichloro-1,2,2-trif	101	5.889	5.889	0.000	90	11699	0.0400	0.0434	
31 Methylene Chloride	84	6.060	6.063	-0.003	98	65438	0.0400	0.006995	

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	6.075	6.076	-0.001	26	5068	0.0400	0.0515	
33 Carbon disulfide	76	6.215	6.218	-0.003	97	14043	0.0400	0.0402	
34 trans-1,2-Dichloroethene	96	6.861	6.859	0.002	96	4645	0.0400	0.0404	
35 2-Methylpentane	43	6.866	6.873	-0.007	92	9022	0.0400	0.0397	
36 Methyl tert-butyl ether	73	7.011	6.989	0.022	96	9732	0.0400	0.0362	
37 1,1-Dichloroethane	63	7.280	7.280	0.000	98	9995	0.0400	0.0437	
38 Vinyl acetate	43	7.383	7.385	-0.002	98	8602	0.0400	0.0302	
39 2-Butanone (MEK)	72	7.853	7.832	0.021	88	2031	0.0400	0.0399	
40 Hexane	56	7.848	7.848	0.000	66	3330	0.0400	0.0387	
41 Isopropyl ether	45	8.024	8.011	0.013	92	12793	0.0400	0.0346	
42 cis-1,2-Dichloroethene	96	8.262	8.259	0.003	93	4992	0.0400	0.0416	
43 Ethyl acetate	43	8.463	8.446	0.017	98	9614	0.0400	0.0373	
44 Chloroform	83	8.592	8.601	-0.009	28	11359	0.0400	0.0402	
45 Tert-butyl ethyl ether	59	8.706	8.688	0.018	97	11498	0.0400	0.0358	
46 Tetrahydrofuran	42	9.027	9.005	0.022	89	4518	0.0400	0.0385	
47 1,1,1-Trichloroethane	97	9.616	9.623	-0.007	96	10895	0.0400	0.0415	
48 1,2-Dichloroethane	62	9.730	9.736	-0.006	95	6770	0.0400	0.0397	
51 Benzene	78	10.226	10.231	-0.005	97	14835	0.0400	0.0423	
50 Cyclohexane	69	10.236	10.229	0.007	68	1840	0.0400	0.0396	
49 n-Butanol	31	10.226	10.201	0.025	51	1260	0.0400	0.0347	
52 Carbon tetrachloride	117	10.246	10.253	-0.007	95	9885	0.0400	0.0390	
53 2,3-Dimethylpentane	71	10.345	10.351	-0.006	85	2487	0.0400	0.0374	
54 Thiophene	84	10.515	10.512	0.003	97	7140	0.0400	0.0363	
55 Isooctane	57	11.006	11.005	0.001	97	21037	0.0400	0.0395	
56 n-Heptane	71	11.378	11.392	-0.014	85	3036	0.0400	0.0308	
57 1,2-Dichloropropane	63	11.476	11.478	-0.002	92	6155	0.0400	0.0428	
58 Trichloroethene	130	11.513	11.514	-0.001	93	5518	0.0400	0.0385	
59 Dibromomethane	93	11.600	11.602	-0.002	89	7636	0.0400	0.0435	
60 Dichlorobromomethane	83	11.745	11.748	-0.003	98	10187	0.0400	0.0371	
61 1,4-Dioxane	88	11.787	11.770	0.017	91	1354	0.0400	0.0265	
62 Methyl methacrylate	41	11.843	11.847	-0.004	90	3974	0.0400	0.0307	
63 Methylcyclohexane	83	12.283	12.288	-0.005	88	5640	0.0400	0.0546	
64 4-Methyl-2-pentanone (MIBK	43	12.727	12.710	0.017	96	7769	0.0400	0.0311	
65 cis-1,3-Dichloropropene	75	12.758	12.764	-0.006	96	5756	0.0400	0.0310	
66 trans-1,3-Dichloropropene	75	13.466	13.471	-0.005	97	4983	0.0400	0.0327	
67 Toluene	91	13.590	13.589	0.001	94	12414	0.0400	0.0499	
68 1,1,2-Trichloroethane	83	13.668	13.670	-0.002	96	5283	0.0400	0.0394	
69 2-Hexanone	58	14.071	14.059	0.012	90	2622	0.0400	0.0224	
70 n-Octane	85	14.283	14.287	-0.004	87	2755	0.0400	0.0277	
71 Chlorodibromomethane	129	14.371	14.374	-0.003	91	7655	0.0400	0.0323	
72 Ethylene Dibromide	107	14.665	14.668	-0.003	91	7797	0.0400	0.0352	
73 Tetrachloroethene	129	14.738	14.739	-0.001	91	5826	0.0400	0.0425	
74 Chlorobenzene	112	15.621	15.622	-0.001	94	12688	0.0400	0.0426	
75 2,3-Dimethylheptane	43	15.642	15.643	-0.001	94	13002	0.0400	0.0387	
76 Ethylbenzene	91	15.911	15.911	0.000	99	15394	0.0400	0.0333	
77 m-Xylene & p-Xylene	91	16.076	16.076	0.000	97	21489	0.0800	0.0610	
78 n-Nonane	57	16.495	16.497	-0.002	84	4970	0.0400	0.0219	
79 Bromoform	173	16.526	16.527	-0.001	89	5336	0.0400	0.0219	
80 Styrene	104	16.536	16.541	-0.005	98	6698	0.0400	0.0566	
81 o-Xylene	91	16.598	16.601	-0.003	99	11527	0.0400	0.0316	
82 1,1,2,2-Tetrachloroethane	83	16.929	16.930	-0.001	94	12222	0.0400	0.0349	
83 1,2,3-Trichloropropane	110	17.089	17.089	0.000	97	2694	0.0400	0.0349	

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	17.193	17.192	0.001	95	14622	0.0400	0.0297	
85 N-Propylbenzene	120	17.751	17.756	-0.005	98	3198	0.0400	0.0252	
86 2-Chlorotoluene	126	17.797	17.794	0.003	97	4101	0.0400	0.0333	
87 4-Ethyltoluene	105	17.911	17.912	-0.001	97	12492	0.0400	0.0257	
88 1,3,5-Trimethylbenzene	120	17.994	17.992	0.002	91	4975	0.0400	0.0506	
89 Alpha Methyl Styrene	118	18.237	18.237	0.000	85	3715	0.0400	0.0191	
90 n-Decane	57	18.299	18.299	0.000	94	7134	0.0400	0.0224	
91 tert-Butylbenzene	119	18.438	18.439	-0.001	85	11036	0.0400	0.0255	
92 1,2,4-Trimethylbenzene	105	18.449	18.454	-0.005	96	10946	0.0400	0.0253	
93 sec-Butylbenzene	105	18.717	18.722	-0.005	97	15780	0.0400	0.0254	
94 1,3-Dichlorobenzene	146	18.738	18.739	-0.001	97	10335	0.0400	0.0362	
95 Benzyl chloride	91	18.816	18.817	-0.001	84	7540	0.0400	0.0207	
96 1,4-Dichlorobenzene	146	18.826	18.829	-0.003	88	8725	0.0400	0.0322	
97 4-Isopropyltoluene	119	18.893	18.894	-0.001	94	10711	0.0400	0.0224	
98 1,2,3-Trimethylbenzene	105	18.945	18.948	-0.003	98	11293	0.0400	0.0262	
99 Butylcyclohexane	83	19.002	19.005	-0.003	88	9783	0.0400	0.0265	
100 1,2-Dichlorobenzene	146	19.203	19.205	-0.002	90	9529	0.0400	0.0331	
101 2,3-Dihydroindene	117	19.203	19.204	-0.001	86	10341	0.0400	0.0255	
102 Indene	116	19.338	19.340	-0.002	83	7472	0.0400	0.0206	
103 n-Butylbenzene	91	19.343	19.346	-0.003	94	14058	0.0400	0.0552	
104 Undecane	57	19.668	19.672	-0.004	92	5756	0.0400	0.0161	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.833	0.001	81	2654	0.0400	0.0704	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	96	7681	0.0400	0.0872	
107 Dodecane	57	20.764	20.765	-0.001	89	4357	0.0400	0.0123	
108 1,2,4-Trichlorobenzene	180	20.966	20.966	0.000	91	4652	0.0400	0.0260	
109 Naphthalene	128	21.110	21.111	-0.001	98	10799	0.0400	0.0264	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	87	8921	0.0400	0.0360	
111 1,2,3-Trichlorobenzene	180	21.410	21.410	0.000	93	6664	0.0400	0.0331	
112 2-Methylnaphthalene	142	22.066	22.062	0.004	86	1785	0.0400	0.0127	
113 1-Methylnaphthalene	142	22.190	22.191	-0.001	97	3783	0.0400	0.0217	
A 115 C8 Range	1	14.288	(14.257-14.319)		0	50714	0.0400	0.0483	
S 116 Xylenes, Total	100				0		0.1200	0.0926	
S 117 1,2-Dichloroethene, Total	1				0		0.0800	0.0820	

Reagents:

40L1-3DQP_00026	Amount Added: 100.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

Report Date: 21-Apr-2020 10:48:22 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC02.D

Injection Date:	16-Apr-2020 08:55:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	IC L2			Worklist Smp#:	4
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)

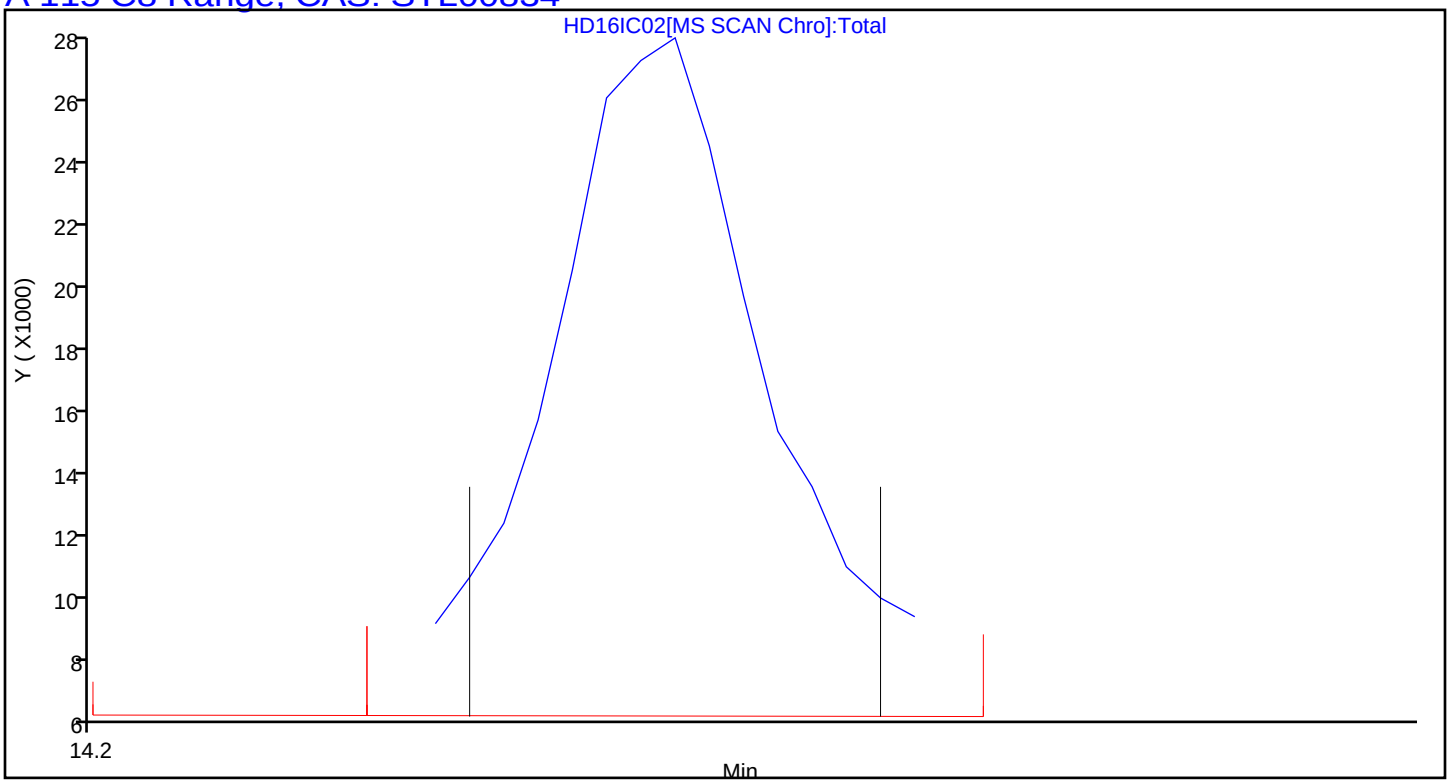


Report Date: 21-Apr-2020 10:48:22 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC02.D				
Injection Date:	16-Apr-2020 08:55:30	Instrument ID:	MH		
Lims ID:	IC L2				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	1	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		

A 115 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC03.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 16-Apr-2020 09:47:30 ALS Bottle#: 1 Worklist Smp#: 5
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015239-005
Misc. Info.: 297344
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Apr-2020 10:48:26 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: tajh Date: 20-Apr-2020 12:48:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.582	8.589	-0.007	96	224413	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.789	10.792	-0.003	95	1564476	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.570	15.572	-0.002	89	1224759	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.219	17.222	-0.003	88	804495	4.00	3.92	
6 Chlorodifluoromethane	51	3.548	3.546	0.002	97	20123	0.0800	0.0850	
7 Propene	41	3.553	3.555	-0.002	99	60711	0.0800	-0.0254	
8 Dichlorodifluoromethane	85	3.605	3.606	-0.001	99	31396	0.0800	0.0862	
9 Chloromethane	52	3.776	3.779	-0.003	59	3999	0.0800	0.1008	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.781	3.785	-0.004	96	19667	0.0800	0.0810	
11 Acetaldehyde	44	3.931	3.930	0.001	99	20986	0.4000	0.4746	
12 Vinyl chloride	62	3.946	3.945	0.001	98	10835	0.0800	0.0832	
14 Butadiene	54	4.034	4.028	0.006	74	7251	0.0800	0.0819	
13 Butane	43	4.029	4.028	0.001	84	13595	0.0800	0.0881	
15 Bromomethane	94	4.339	4.337	0.002	97	12442	0.0800	0.0905	
16 Chloroethane	64	4.468	4.473	-0.005	93	5154	0.0800	0.0930	
17 Ethanol	31	4.572	4.571	0.001	94	17868	0.4000	0.4465	
18 Vinyl bromide	106	4.763	4.763	0.000	97	10864	0.0800	0.0878	
19 2-Methylbutane	43	4.804	4.806	-0.002	89	10223	0.0800	0.0903	
20 Trichlorofluoromethane	101	5.021	5.022	-0.001	97	27087	0.0800	0.0830	
21 Acrolein	56	5.037	5.037	0.000	34	2618	0.0800	0.0686	
22 Acetonitrile	40	5.099	5.116	-0.017	95	4096	0.0800	0.0932	
23 Acetone	58	5.161	5.154	0.007	99	14577	0.2400	0.2887	
24 Pentane	72	5.233	5.236	-0.003	96	1127	0.0800	0.0798	
25 Isopropyl alcohol	45	5.254	5.241	0.013	93	35039	0.2400	0.2297	
26 Ethyl ether	31	5.414	5.408	0.006	94	8140	0.0800	0.0833	
27 1,1-Dichloroethene	96	5.719	5.716	0.003	98	8847	0.0800	0.0809	
28 Acrylonitrile	53	5.822	5.826	-0.004	96	6786	0.0800	0.0819	
29 2-Methyl-2-propanol	59	5.848	5.832	0.016	96	14273	0.0800	0.0787	
30 1,1,2-Trichloro-1,2,2-trif	101	5.890	5.889	0.001	91	21519	0.0800	0.0850	
31 Methylene Chloride	84	6.060	6.063	-0.003	97	67049	0.0800	0.0644	

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	6.070	6.076	-0.006	97	8576	0.0800	0.0929	
33 Carbon disulfide	76	6.220	6.218	0.002	97	26707	0.0800	0.0815	
34 trans-1,2-Dichloroethene	96	6.856	6.859	-0.003	96	8457	0.0800	0.0784	
35 2-Methylpentane	43	6.872	6.873	-0.001	94	16726	0.0800	0.0784	
36 Methyl tert-butyl ether	73	7.006	6.989	0.017	96	18109	0.0800	0.0718	
37 1,1-Dichloroethane	63	7.280	7.280	0.000	100	18939	0.0800	0.0881	
38 Vinyl acetate	43	7.383	7.385	-0.002	99	17617	0.0800	0.0658	
40 Hexane	56	7.843	7.848	-0.005	69	6554	0.0800	0.0812	
39 2-Butanone (MEK)	72	7.833	7.832	0.001	90	3340	0.0800	0.0699	
41 Isopropyl ether	45	8.019	8.011	0.008	96	24281	0.0800	0.0701	
42 cis-1,2-Dichloroethene	96	8.251	8.259	-0.008	93	8768	0.0800	0.0778	
43 Ethyl acetate	43	8.448	8.446	0.002	99	18488	0.0800	0.0764	
44 Chloroform	83	8.593	8.601	-0.008	29	22975	0.0800	0.0867	
45 Tert-butyl ethyl ether	59	8.701	8.688	0.013	97	21735	0.0800	0.0720	
46 Tetrahydrofuran	42	9.027	9.005	0.022	91	8369	0.0800	0.0760	
47 1,1,1-Trichloroethane	97	9.621	9.623	-0.002	96	19125	0.0800	0.0775	
48 1,2-Dichloroethane	62	9.730	9.736	-0.006	96	13517	0.0800	0.0816	
49 n-Butanol	31	10.215	10.201	0.014	70	2186	0.0800	0.0621	
51 Benzene	78	10.231	10.231	0.000	97	26805	0.0800	0.0788	
50 Cyclohexane	69	10.231	10.229	0.002	70	3214	0.0800	0.0714	
52 Carbon tetrachloride	117	10.246	10.253	-0.007	92	18653	0.0800	0.0759	
53 2,3-Dimethylpentane	71	10.355	10.351	0.004	86	4636	0.0800	0.0718	
54 Thiophene	84	10.515	10.512	0.003	95	13982	0.0800	0.0733	
55 Isooctane	57	11.006	11.005	0.001	99	38853	0.0800	0.0751	
56 n-Heptane	71	11.399	11.392	0.007	86	6380	0.0800	0.0667	
57 1,2-Dichloropropane	63	11.471	11.478	-0.007	89	11447	0.0800	0.0821	
58 Trichloroethene	130	11.508	11.514	-0.006	89	10774	0.0800	0.0774	
59 Dibromomethane	93	11.601	11.602	-0.001	88	13194	0.0800	0.0774	
60 Dichlorobromomethane	83	11.740	11.748	-0.008	97	19747	0.0800	0.0740	
61 1,4-Dioxane	88	11.781	11.770	0.011	92	3527	0.0800	0.0712	
62 Methyl methacrylate	41	11.849	11.847	0.002	92	7912	0.0800	0.0630	
63 Methylcyclohexane	83	12.283	12.288	-0.005	87	10759	0.0800	0.0815	
64 4-Methyl-2-pentanone (MIBK	43	12.717	12.710	0.007	97	14642	0.0800	0.0604	
65 cis-1,3-Dichloropropene	75	12.763	12.764	-0.001	95	11596	0.0800	0.0643	
66 trans-1,3-Dichloropropene	75	13.472	13.471	0.001	96	9453	0.0800	0.0647	
67 Toluene	91	13.585	13.589	-0.004	91	23680	0.0800	0.0827	
68 1,1,2-Trichloroethane	83	13.668	13.670	-0.002	94	10378	0.0800	0.0808	
69 2-Hexanone	58	14.061	14.059	0.002	91	5643	0.0800	0.0503	
70 n-Octane	85	14.288	14.287	0.001	88	5305	0.0800	0.0558	
71 Chlorodibromomethane	129	14.371	14.374	-0.003	96	15744	0.0800	0.0694	
72 Ethylene Dibromide	107	14.665	14.668	-0.003	97	15125	0.0800	0.0713	
73 Tetrachloroethene	129	14.738	14.739	-0.001	91	9877	0.0800	0.0753	
74 Chlorobenzene	112	15.622	15.622	0.000	94	23105	0.0800	0.0811	
75 2,3-Dimethylheptane	43	15.642	15.643	-0.001	94	25111	0.0800	0.0780	
76 Ethylbenzene	91	15.911	15.911	0.000	99	28881	0.0800	0.0653	
77 m-Xylene & p-Xylene	91	16.076	16.076	0.000	98	44937	0.1600	0.1333	
78 n-Nonane	57	16.495	16.497	-0.002	87	10925	0.0800	0.0503	
79 Bromoform	173	16.521	16.527	-0.006	88	12426	0.0800	0.0533	
80 Styrene	104	16.542	16.541	0.001	98	13105	0.0800	0.0823	
81 o-Xylene	91	16.598	16.601	-0.003	97	25134	0.0800	0.0719	
82 1,1,2,2-Tetrachloroethane	83	16.929	16.930	-0.001	97	24765	0.0800	0.0739	
83 1,2,3-Trichloropropane	110	17.089	17.089	0.000	96	5508	0.0800	0.0746	

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	17.193	17.192	0.001	98	28293	0.0800	0.0600	
85 N-Propylbenzene	120	17.756	17.756	0.000	98	6666	0.0800	0.0548	
86 2-Chlorotoluene	126	17.797	17.794	0.003	96	8616	0.0800	0.0730	
87 4-Ethyltoluene	105	17.911	17.912	-0.001	98	26839	0.0800	0.0577	
88 1,3,5-Trimethylbenzene	120	17.989	17.992	-0.003	91	11014	0.0800	0.0823	
89 Alpha Methyl Styrene	118	18.237	18.237	0.000	87	7791	0.0800	0.0419	
90 n-Decane	57	18.299	18.299	0.000	92	15877	0.0800	0.0521	
91 tert-Butylbenzene	119	18.438	18.439	-0.001	86	25018	0.0800	0.0603	
92 1,2,4-Trimethylbenzene	105	18.454	18.454	0.000	95	24449	0.0800	0.0591	
93 sec-Butylbenzene	105	18.723	18.722	0.001	98	34412	0.0800	0.0578	
94 1,3-Dichlorobenzene	146	18.738	18.739	-0.001	97	18378	0.0800	0.0673	
95 Benzyl chloride	91	18.816	18.817	-0.001	94	15176	0.0800	0.0434	
96 1,4-Dichlorobenzene	146	18.831	18.829	0.002	91	17088	0.0800	0.0658	
97 4-Isopropyltoluene	119	18.893	18.894	-0.001	96	24534	0.0800	0.0537	
98 1,2,3-Trimethylbenzene	105	18.950	18.948	0.002	99	24711	0.0800	0.0600	
99 Butylcyclohexane	83	19.007	19.005	0.002	90	22388	0.0800	0.0634	
100 1,2-Dichlorobenzene	146	19.203	19.205	-0.002	87	19261	0.0800	0.0699	
101 2,3-Dihydroindene	117	19.203	19.204	-0.001	89	23433	0.0800	0.0603	
102 Indene	116	19.338	19.340	-0.002	88	15495	0.0800	0.0447	
103 n-Butylbenzene	91	19.343	19.346	-0.003	95	31649	0.0800	0.0857	
104 Undecane	57	19.674	19.672	0.002	91	13620	0.0800	0.0397	
105 1,2-Dibromo-3-Chloropropan	157	19.829	19.833	-0.004	83	6262	0.0800	0.0941	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	94	16411	0.0800	0.1045	
107 Dodecane	57	20.764	20.765	-0.001	88	9680	0.0800	0.0286	
108 1,2,4-Trichlorobenzene	180	20.966	20.966	0.000	93	9135	0.0800	0.0532	
109 Naphthalene	128	21.110	21.111	-0.001	98	17814	0.0800	0.0455	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	86	17658	0.0800	0.0744	
111 1,2,3-Trichlorobenzene	180	21.405	21.410	-0.005	91	11573	0.0800	0.0601	
112 2-Methylnaphthalene	142	22.061	22.062	-0.001	95	1755	0.0800	0.0130	
113 1-Methylnaphthalene	142	22.191	22.191	0.000	93	3519	0.0800	0.0211	
A 115 C8 Range	1	14.286	(14.247-14.340)		0	65706	0.0800	0.0645	
S 116 Xylenes, Total	100				0		0.2400	0.2052	
S 117 1,2-Dichloroethene, Total	1				0		0.1600	0.1562	

Reagents:

40L4DQP_00018	Amount Added: 100.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

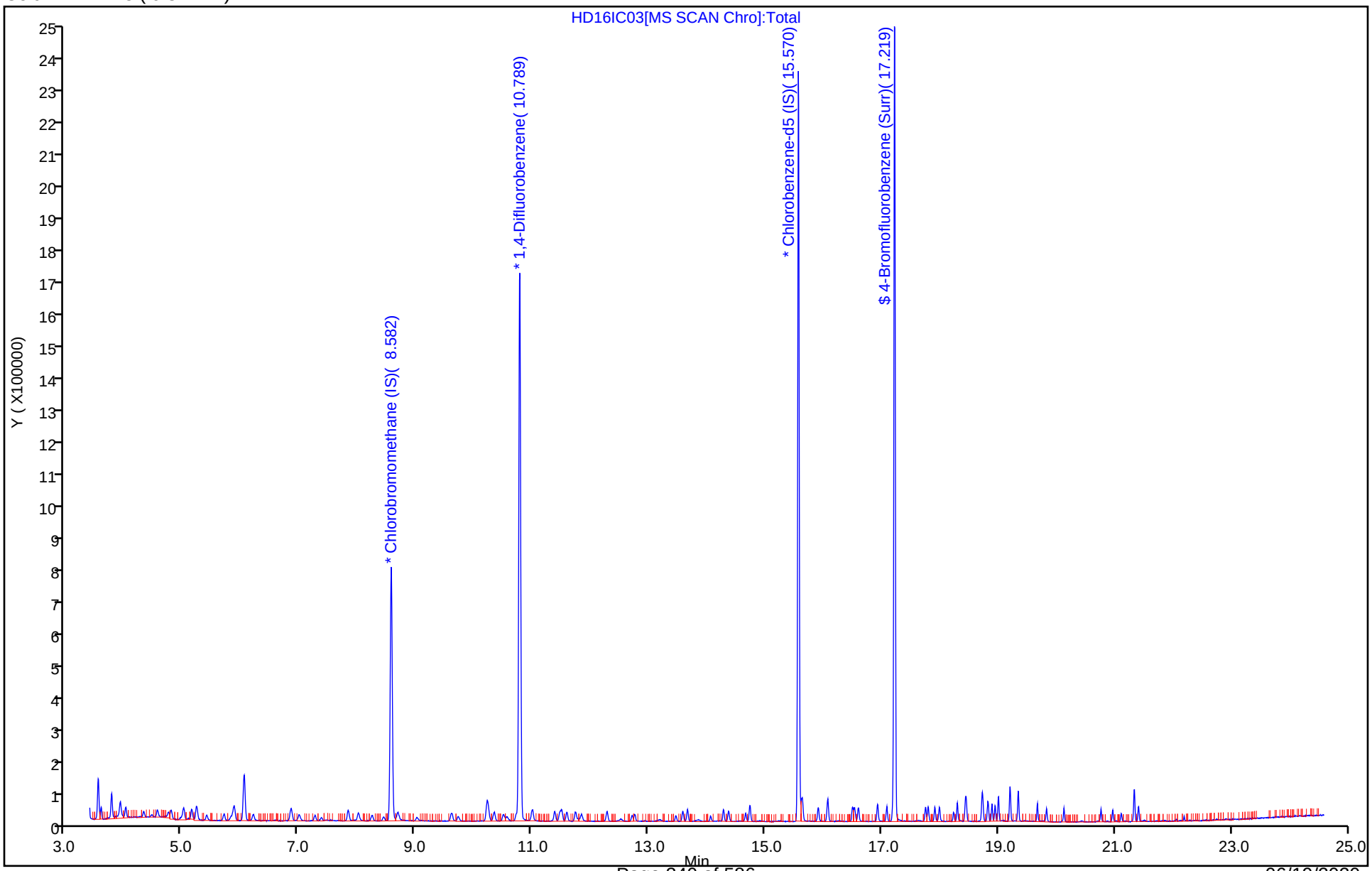
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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC03.D

Injection Date:	16-Apr-2020 09:47:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	IC L3			Worklist Smp#:	5
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)

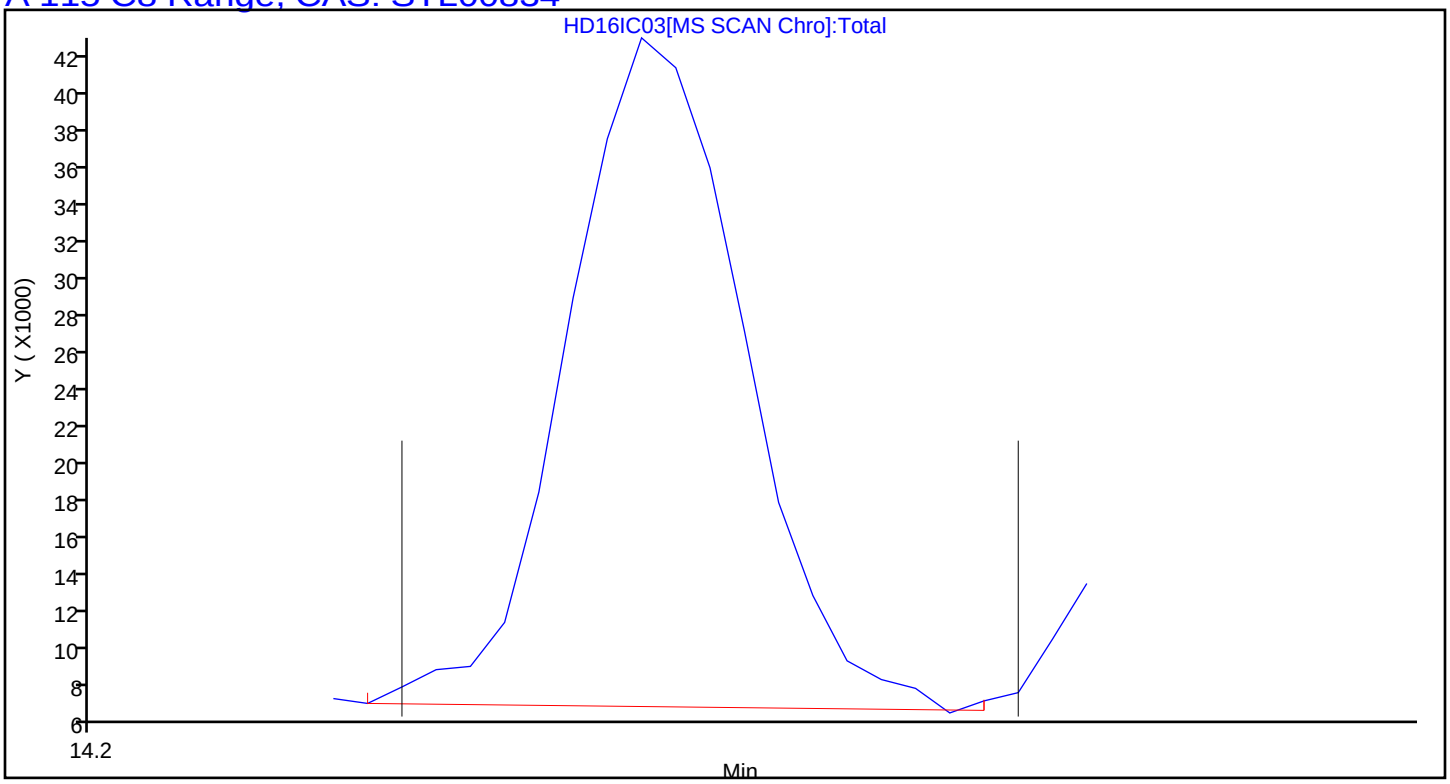


Report Date: 21-Apr-2020 10:48:27 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC03.D				
Injection Date:	16-Apr-2020 09:47:30	Instrument ID:	MH		
Lims ID:	IC L3				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	1	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\20200416-15239.b\HD16IC04.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 16-Apr-2020 10:40:30 ALS Bottle#: 2 Worklist Smp#: 6
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015239-006
Misc. Info.: 297344
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Apr-2020 10:48:31 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: tajh Date: 16-Apr-2020 12:06:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.582	8.589	-0.007	96	209895	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.789	10.792	-0.003	96	1458934	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.570	15.572	-0.002	89	1176311	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.218	17.222	-0.004	88	803145	4.00	4.07	
6 Chlorodifluoromethane	51	3.548	3.546	0.002	97	35814	0.1600	0.1617	
7 Propene	41	3.558	3.555	0.003	99	64620	0.1600	0.0756	
8 Dichlorodifluoromethane	85	3.605	3.606	-0.001	99	56371	0.1600	0.1655	
9 Chloromethane	52	3.781	3.779	0.002	52	6920	0.1600	0.1864	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.786	3.785	0.001	94	38003	0.1600	0.1674	
11 Acetaldehyde	44	3.931	3.930	0.001	95	38170	0.8000	0.9230	
12 Vinyl chloride	62	3.946	3.945	0.001	99	19486	0.1600	0.1600	
13 Butane	43	4.024	4.028	-0.004	85	23955	0.1600	0.1660	
14 Butadiene	54	4.029	4.028	0.001	74	13332	0.1600	0.1611	
15 Bromomethane	94	4.339	4.337	0.002	97	21476	0.1600	0.1671	
16 Chloroethane	64	4.478	4.473	0.005	95	9049	0.1600	0.1746	
17 Ethanol	31	4.566	4.571	-0.005	93	30833	0.8000	0.8238	
18 Vinyl bromide	106	4.763	4.763	0.000	97	18795	0.1600	0.1624	
19 2-Methylbutane	43	4.804	4.806	-0.002	93	17975	0.1600	0.1698	
20 Trichlorofluoromethane	101	5.021	5.022	-0.001	97	49414	0.1600	0.1618	
21 Acrolein	56	5.037	5.037	0.000	82	5955	0.1600	0.1668	
22 Acetonitrile	40	5.099	5.116	-0.017	95	6221	0.1600	0.1514	
23 Acetone	58	5.155	5.154	0.001	98	26699	0.4800	0.5654	
24 Pentane	72	5.238	5.236	0.002	75	2204	0.1600	0.1669	
25 Isopropyl alcohol	45	5.238	5.241	-0.003	86	63906	0.4800	0.4483	
26 Ethyl ether	31	5.409	5.408	0.001	93	14622	0.1600	0.1600	
27 1,1-Dichloroethene	96	5.719	5.716	0.003	97	15910	0.1600	0.1556	
28 Acrylonitrile	53	5.827	5.826	0.001	95	12503	0.1600	0.1614	
29 2-Methyl-2-propanol	59	5.838	5.832	0.006	96	25034	0.1600	0.1475	
30 1,1,2-Trichloro-1,2,2-trif	101	5.889	5.889	0.000	91	38557	0.1600	0.1628	
31 Methylene Chloride	84	6.060	6.063	-0.003	98	71189	0.1600	0.1569	

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	6.075	6.076	-0.001	49	14877	0.1600	0.1723	
33 Carbon disulfide	76	6.220	6.218	0.002	100	49948	0.1600	0.1631	
34 trans-1,2-Dichloroethene	96	6.861	6.859	0.002	97	16038	0.1600	0.1589	
35 2-Methylpentane	43	6.877	6.873	0.004	92	31198	0.1600	0.1563	
36 Methyl tert-butyl ether	73	6.995	6.989	0.006	95	35919	0.1600	0.1522	
37 1,1-Dichloroethane	63	7.275	7.280	-0.005	100	32795	0.1600	0.1632	
38 Vinyl acetate	43	7.388	7.385	0.003	99	34018	0.1600	0.1358	
39 2-Butanone (MEK)	72	7.828	7.832	-0.004	93	7039	0.1600	0.1575	
40 Hexane	56	7.848	7.848	0.000	74	11424	0.1600	0.1513	
41 Isopropyl ether	45	8.014	8.011	0.003	94	48337	0.1600	0.1491	
42 cis-1,2-Dichloroethene	96	8.262	8.259	0.003	98	15922	0.1600	0.1511	
43 Ethyl acetate	43	8.448	8.446	0.002	99	34352	0.1600	0.1517	
44 Chloroform	83	8.603	8.601	0.002	97	40055	0.1600	0.1616	
45 Tert-butyl ethyl ether	59	8.685	8.688	-0.003	98	41879	0.1600	0.1484	
46 Tetrahydrofuran	42	9.011	9.005	0.006	90	15601	0.1600	0.1514	
47 1,1,1-Trichloroethane	97	9.621	9.623	-0.002	96	36041	0.1600	0.1562	
48 1,2-Dichloroethane	62	9.735	9.736	-0.001	96	24301	0.1600	0.1574	
49 n-Butanol	31	10.210	10.201	0.009	51	3754	0.1600	0.1144	
50 Cyclohexane	69	10.231	10.229	0.002	66	5387	0.1600	0.1282	
51 Benzene	78	10.226	10.231	-0.005	97	50090	0.1600	0.1578	
52 Carbon tetrachloride	117	10.252	10.253	-0.001	93	35971	0.1600	0.1570	
53 2,3-Dimethylpentane	71	10.350	10.351	-0.001	87	8770	0.1600	0.1456	
54 Thiophene	84	10.505	10.512	-0.007	96	26308	0.1600	0.1479	
55 Isooctane	57	11.001	11.005	-0.004	97	71678	0.1600	0.1486	
56 n-Heptane	71	11.389	11.392	-0.003	89	12061	0.1600	0.1352	
57 1,2-Dichloropropane	63	11.476	11.478	-0.002	92	20019	0.1600	0.1539	
58 Trichloroethene	130	11.513	11.514	-0.001	90	19415	0.1600	0.1497	
59 Dibromomethane	93	11.595	11.602	-0.007	88	24181	0.1600	0.1522	
60 Dichlorobromomethane	83	11.750	11.748	0.002	97	37024	0.1600	0.1488	
61 1,4-Dioxane	88	11.776	11.770	0.006	94	6344	0.1600	0.1372	
62 Methyl methacrylate	41	11.854	11.847	0.007	92	15453	0.1600	0.1320	
63 Methylcyclohexane	83	12.288	12.288	0.000	94	20710	0.1600	0.1397	
64 4-Methyl-2-pentanone (MIBK	43	12.712	12.710	0.002	98	29615	0.1600	0.1311	
65 cis-1,3-Dichloropropene	75	12.763	12.764	-0.001	96	23365	0.1600	0.1389	
66 trans-1,3-Dichloropropene	75	13.471	13.471	0.000	97	18209	0.1600	0.1298	
67 Toluene	91	13.585	13.589	-0.004	93	45801	0.1600	0.1493	
68 1,1,2-Trichloroethane	83	13.668	13.670	-0.002	96	20097	0.1600	0.1629	
69 2-Hexanone	58	14.066	14.059	0.007	90	10396	0.1600	0.0965	
70 n-Octane	85	14.283	14.287	-0.004	90	10479	0.1600	0.1147	
71 Chlorodibromomethane	129	14.371	14.374	-0.003	96	30600	0.1600	0.1404	
72 Ethylene Dibromide	107	14.670	14.668	0.002	98	29274	0.1600	0.1436	
73 Tetrachloroethene	129	14.738	14.739	-0.001	88	19473	0.1600	0.1545	
74 Chlorobenzene	112	15.621	15.622	-0.001	92	41596	0.1600	0.1519	
75 2,3-Dimethylheptane	43	15.642	15.643	-0.001	94	48441	0.1600	0.1567	
76 Ethylbenzene	91	15.911	15.911	0.000	99	57047	0.1600	0.1343	
77 m-Xylene & p-Xylene	91	16.076	16.076	0.000	99	91330	0.3200	0.2820	
78 n-Nonane	57	16.500	16.497	0.003	91	23707	0.1600	0.1137	
79 Bromoform	173	16.526	16.527	-0.001	88	24877	0.1600	0.1111	
80 Styrene	104	16.541	16.541	0.000	98	29948	0.1600	0.1519	
81 o-Xylene	91	16.598	16.601	-0.003	98	51012	0.1600	0.1520	
82 1,1,2,2-Tetrachloroethane	83	16.929	16.930	-0.001	98	48338	0.1600	0.1502	
83 1,2,3-Trichloropropane	110	17.084	17.089	-0.005	96	10959	0.1600	0.1545	

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	17.193	17.192	0.001	98	57843	0.1600	0.1277	
85 N-Propylbenzene	120	17.756	17.756	0.000	99	13541	0.1600	0.1160	
86 2-Chlorotoluene	126	17.797	17.794	0.003	97	16633	0.1600	0.1468	
87 4-Ethyltoluene	105	17.911	17.912	-0.001	98	57542	0.1600	0.1288	
88 1,3,5-Trimethylbenzene	120	17.994	17.992	0.002	91	23921	0.1600	0.1527	
89 Alpha Methyl Styrene	118	18.237	18.237	0.000	87	16922	0.1600	0.0948	
90 n-Decane	57	18.299	18.299	0.000	92	37409	0.1600	0.1279	
91 tert-Butylbenzene	119	18.438	18.439	-0.001	88	55542	0.1600	0.1393	
92 1,2,4-Trimethylbenzene	105	18.454	18.454	0.000	97	54541	0.1600	0.1373	
93 sec-Butylbenzene	105	18.722	18.722	0.000	97	72529	0.1600	0.1268	
94 1,3-Dichlorobenzene	146	18.738	18.739	-0.001	96	38711	0.1600	0.1475	
95 Benzyl chloride	91	18.815	18.817	-0.002	96	32222	0.1600	0.0960	
96 1,4-Dichlorobenzene	146	18.826	18.829	-0.003	92	36362	0.1600	0.1457	
97 4-Isopropyltoluene	119	18.893	18.894	-0.001	97	56604	0.1600	0.1289	
98 1,2,3-Trimethylbenzene	105	18.945	18.948	-0.003	99	56349	0.1600	0.1424	
99 Butylcyclohexane	83	19.002	19.005	-0.003	91	49688	0.1600	0.1466	
100 1,2-Dichlorobenzene	146	19.203	19.205	-0.002	86	38362	0.1600	0.1450	
101 2,3-Dihydroindene	117	19.203	19.204	-0.001	89	47145	0.1600	0.1264	
102 Indene	116	19.343	19.340	0.003	91	36789	0.1600	0.1105	
103 n-Butylbenzene	91	19.343	19.346	-0.003	96	71377	0.1600	0.1573	
104 Undecane	57	19.673	19.672	0.001	93	36177	0.1600	0.1098	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.833	0.001	84	13954	0.1600	0.1468	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	96	40538	0.1600	0.1538	
107 Dodecane	57	20.764	20.765	-0.001	89	25133	0.1600	0.0773	
108 1,2,4-Trichlorobenzene	180	20.966	20.966	0.000	91	19442	0.1600	0.1180	
109 Naphthalene	128	21.110	21.111	-0.001	98	39332	0.1600	0.1046	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	89	34869	0.1600	0.1531	
111 1,2,3-Trichlorobenzene	180	21.410	21.410	0.000	91	24824	0.1600	0.1341	
112 2-Methylnaphthalene	142	22.061	22.062	-0.001	94	3392	0.1600	0.0262	
113 1-Methylnaphthalene	142	22.190	22.191	-0.001	95	8251	0.1600	0.0514	
A 115 C8 Range	1	14.280	(14.247-14.329)		0	131899	0.1600	0.1389	
S 116 Xylenes, Total	100				0		0.4800	0.4340	
S 117 1,2-Dichloroethene, Total	1				0		0.3200	0.3100	

Reagents:

40L4DQP_00018	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

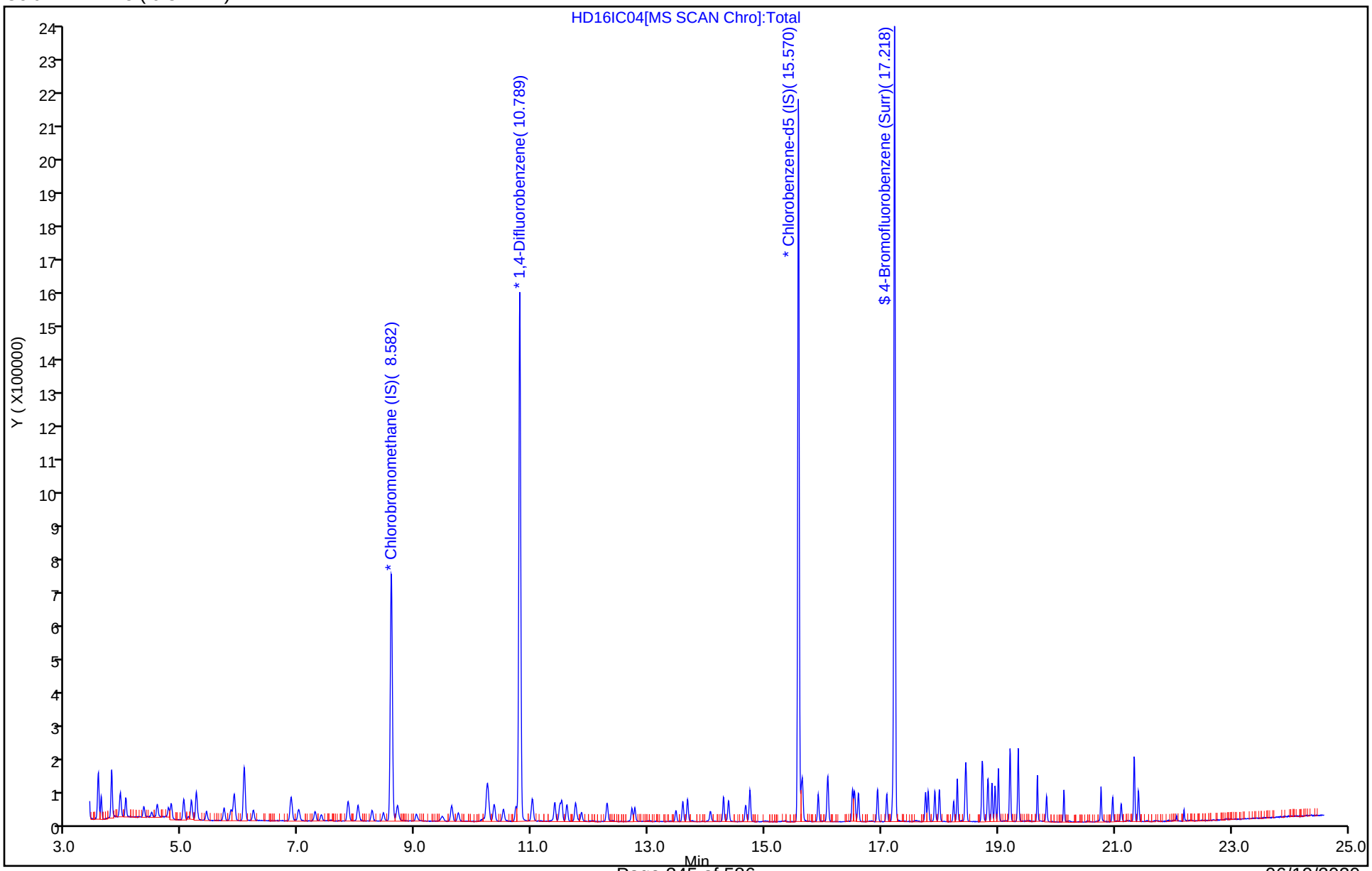
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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC04.D

Injection Date:	16-Apr-2020 10:40:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	IC L4			Worklist Smp#:	6
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

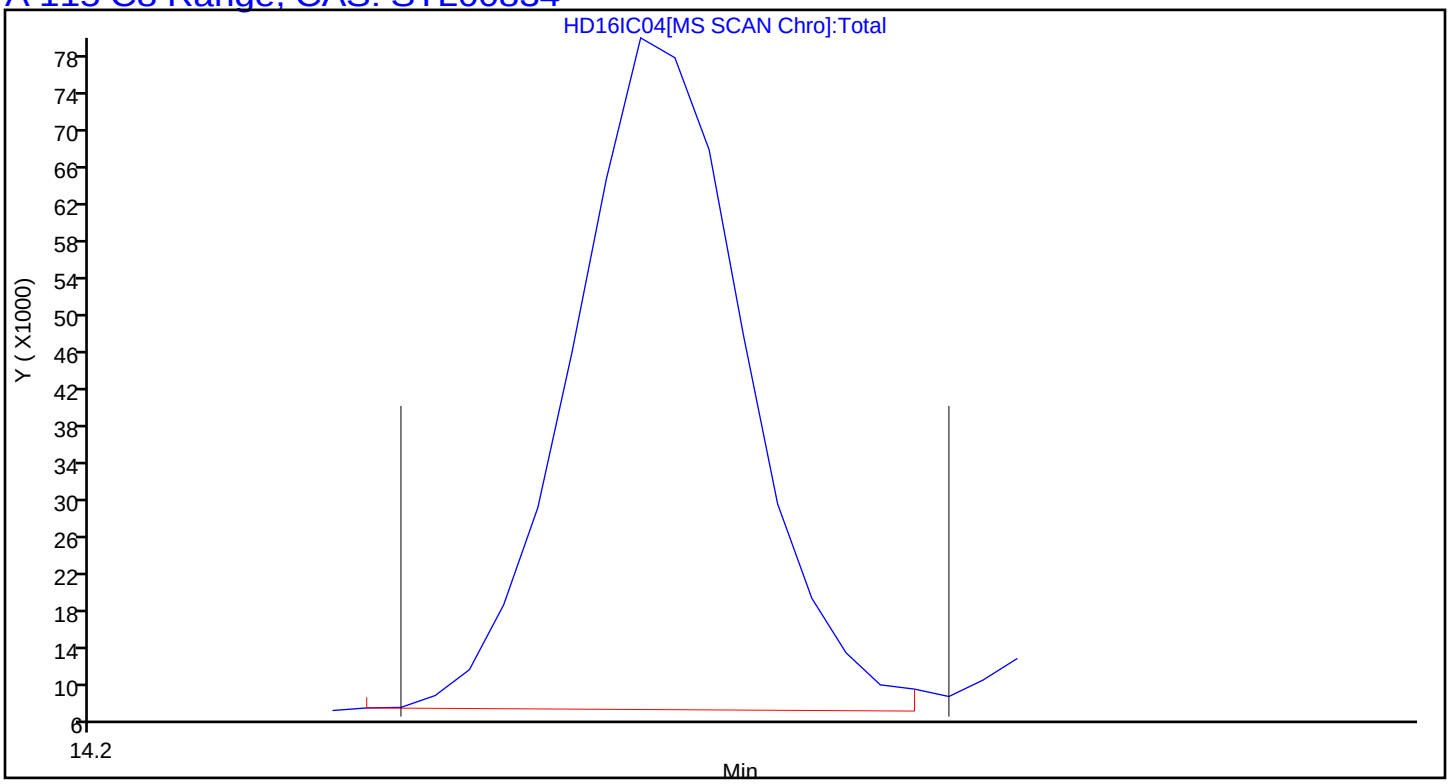
Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC04.D				
Injection Date:	16-Apr-2020 10:40:30	Instrument ID:	MH		
Lims ID:	IC L4				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	2	Worklist Smp#:	6
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\20200416-15239.b\HD16IC05.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 16-Apr-2020 11:33:30 ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015239-007
Misc. Info.: 297343
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Apr-2020 10:48:37 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: tajh Date: 16-Apr-2020 12:19:50

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	8.587	8.589	-0.002	96	208317	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.789	10.792	-0.003	96	1447284	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.570	15.572	-0.002	90	1163030	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.219	17.222	-0.003	88	819799	4.00	4.20	
6 Chlorodifluoromethane	51	3.543	3.546	-0.003	97	89827	0.4000	0.4088	
7 Propene	41	3.553	3.555	-0.002	99	84283	0.4000	0.3371	
8 Dichlorodifluoromethane	85	3.605	3.606	-0.001	100	140856	0.4000	0.4168	
9 Chloromethane	52	3.776	3.779	-0.003	55	14923	0.4000	0.4050	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.786	3.785	0.001	95	92562	0.4000	0.4107	
11 Acetaldehyde	44	3.925	3.930	-0.005	97	79977	2.00	1.95	
12 Vinyl chloride	62	3.941	3.945	-0.004	99	46282	0.4000	0.3829	
13 Butane	43	4.029	4.028	0.001	82	56170	0.4000	0.3922	
14 Butadiene	54	4.029	4.028	0.001	71	31980	0.4000	0.3893	
15 Bromomethane	94	4.334	4.337	-0.003	97	52498	0.4000	0.4115	
16 Chloroethane	64	4.468	4.473	-0.005	96	20202	0.4000	0.3927	
17 Ethanol	31	4.561	4.571	-0.010	93	76328	2.00	2.05	
18 Vinyl bromide	106	4.763	4.763	0.000	95	46565	0.4000	0.4053	
19 2-Methylbutane	43	4.804	4.806	-0.002	88	41883	0.4000	0.3985	
20 Trichlorofluoromethane	101	5.021	5.022	-0.001	98	122445	0.4000	0.4040	
21 Acrolein	56	5.037	5.037	0.000	26	14460	0.4000	0.4081	
22 Acetonitrile	40	5.099	5.116	-0.017	100	15350	0.4000	0.3763	
23 Acetone	58	5.150	5.154	-0.004	98	58978	1.20	1.26	
25 Isopropyl alcohol	45	5.233	5.241	-0.008	84	155698	1.20	1.10	
24 Pentane	72	5.233	5.236	-0.003	76	5699	0.4000	0.4349	
26 Ethyl ether	31	5.409	5.408	0.001	95	38004	0.4000	0.4189	
27 1,1-Dichloroethene	96	5.709	5.716	-0.007	96	39611	0.4000	0.3903	
28 Acrylonitrile	53	5.822	5.826	-0.004	67	29756	0.4000	0.3870	
29 2-Methyl-2-propanol	59	5.827	5.832	-0.005	95	64952	0.4000	0.3857	
30 1,1,2-Trichloro-1,2,2-trif	101	5.889	5.889	0.000	91	96750	0.4000	0.4116	
31 Methylene Chloride	84	6.060	6.063	-0.003	99	92172	0.4000	0.3935	

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	6.070	6.076	-0.006	97	35436	0.4000	0.4135	
33 Carbon disulfide	76	6.215	6.218	-0.003	100	121608	0.4000	0.4000	
34 trans-1,2-Dichloroethene	96	6.851	6.859	-0.008	97	38437	0.4000	0.3837	
35 2-Methylpentane	43	6.871	6.873	-0.002	94	80643	0.4000	0.4070	
36 Methyl tert-butyl ether	73	6.980	6.989	-0.009	96	93424	0.4000	0.3990	
37 1,1-Dichloroethane	63	7.275	7.280	-0.005	99	80555	0.4000	0.4038	
38 Vinyl acetate	43	7.378	7.385	-0.007	99	91256	0.4000	0.3671	
39 2-Butanone (MEK)	72	7.828	7.832	-0.004	95	17276	0.4000	0.3895	
40 Hexane	56	7.843	7.848	-0.005	78	30138	0.4000	0.4021	
41 Isopropyl ether	45	8.003	8.011	-0.008	96	129250	0.4000	0.4017	
42 cis-1,2-Dichloroethene	96	8.251	8.259	-0.008	96	41173	0.4000	0.3937	
43 Ethyl acetate	43	8.443	8.446	-0.003	99	88887	0.4000	0.3955	
44 Chloroform	83	8.598	8.601	-0.003	95	102267	0.4000	0.4158	
45 Tert-butyl ethyl ether	59	8.680	8.688	-0.008	97	111041	0.4000	0.3963	
46 Tetrahydrofuran	42	8.996	9.005	-0.009	93	38891	0.4000	0.3804	
47 1,1,1-Trichloroethane	97	9.621	9.623	-0.002	97	90992	0.4000	0.3974	
48 1,2-Dichloroethane	62	9.730	9.736	-0.006	97	63603	0.4000	0.4152	
49 n-Butanol	31	10.205	10.201	0.004	75	11011	0.4000	0.3382	
51 Benzene	78	10.231	10.231	0.000	97	124381	0.4000	0.3951	
50 Cyclohexane	69	10.231	10.229	0.002	70	17030	0.4000	0.4087	
52 Carbon tetrachloride	117	10.252	10.253	-0.001	94	89850	0.4000	0.3952	
53 2,3-Dimethylpentane	71	10.350	10.351	-0.001	88	23858	0.4000	0.3992	
54 Thiophene	84	10.505	10.512	-0.007	96	70215	0.4000	0.3980	
55 Isooctane	57	11.001	11.005	-0.004	98	185595	0.4000	0.3879	
56 n-Heptane	71	11.394	11.392	0.002	91	32858	0.4000	0.3713	
57 1,2-Dichloropropane	63	11.471	11.478	-0.007	91	51542	0.4000	0.3994	
58 Trichloroethene	130	11.513	11.514	-0.001	91	49084	0.4000	0.3814	
59 Dibromomethane	93	11.595	11.602	-0.007	87	63193	0.4000	0.4008	
60 Dichlorobromomethane	83	11.745	11.748	-0.003	97	97760	0.4000	0.3961	
61 1,4-Dioxane	88	11.766	11.770	-0.004	91	16940	0.4000	0.3694	
62 Methyl methacrylate	41	11.849	11.847	0.002	94	44369	0.4000	0.3822	
63 Methylcyclohexane	83	12.288	12.288	0.000	92	58914	0.4000	0.3507	
64 4-Methyl-2-pentanone (MIBK	43	12.707	12.710	-0.003	96	85978	0.4000	0.3835	
65 cis-1,3-Dichloropropene	75	12.763	12.764	-0.001	95	64503	0.4000	0.3864	
66 trans-1,3-Dichloropropene	75	13.471	13.471	0.000	97	50863	0.4000	0.3667	
67 Toluene	91	13.585	13.589	-0.004	93	129213	0.4000	0.3945	
68 1,1,2-Trichloroethane	83	13.668	13.670	-0.002	96	50779	0.4000	0.4162	
69 2-Hexanone	58	14.061	14.059	0.002	91	34298	0.4000	0.3219	
70 n-Octane	85	14.288	14.287	0.001	91	34092	0.4000	0.3773	
71 Chlorodibromomethane	129	14.376	14.374	0.002	95	84287	0.4000	0.3911	
72 Ethylene Dibromide	107	14.665	14.668	-0.003	95	81447	0.4000	0.4041	
73 Tetrachloroethene	129	14.738	14.739	-0.001	89	49185	0.4000	0.3948	
74 Chlorobenzene	112	15.622	15.622	0.000	92	105985	0.4000	0.3916	
75 2,3-Dimethylheptane	43	15.642	15.643	-0.001	95	129339	0.4000	0.4231	
76 Ethylbenzene	91	15.911	15.911	0.000	99	163820	0.4000	0.3901	
77 m-Xylene & p-Xylene	91	16.071	16.076	-0.005	99	264124	0.8000	0.8248	
78 n-Nonane	57	16.500	16.497	0.003	90	77180	0.4000	0.3744	
79 Bromoform	173	16.526	16.527	-0.001	89	78091	0.4000	0.3527	
80 Styrene	104	16.541	16.541	0.000	98	87934	0.4000	0.3883	
81 o-Xylene	91	16.598	16.601	-0.003	98	141114	0.4000	0.4254	
82 1,1,2,2-Tetrachloroethane	83	16.929	16.930	-0.001	98	129877	0.4000	0.4082	
83 1,2,3-Trichloropropane	110	17.089	17.089	0.000	97	28017	0.4000	0.3994	

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	17.193	17.192	0.001	98	169405	0.4000	0.3782	
85 N-Propylbenzene	120	17.756	17.756	0.000	98	43255	0.4000	0.3748	
86 2-Chlorotoluene	126	17.803	17.794	0.009	97	46403	0.4000	0.4142	
87 4-Ethyltoluene	105	17.911	17.912	-0.001	98	169671	0.4000	0.3841	
88 1,3,5-Trimethylbenzene	120	17.989	17.992	-0.003	91	67506	0.4000	0.3869	
89 Alpha Methyl Styrene	118	18.237	18.237	0.000	86	54434	0.4000	0.3086	
90 n-Decane	57	18.299	18.299	0.000	89	118068	0.4000	0.4083	
91 tert-Butylbenzene	119	18.438	18.439	-0.001	88	152906	0.4000	0.3879	
92 1,2,4-Trimethylbenzene	105	18.454	18.454	0.000	96	158811	0.4000	0.4043	
93 sec-Butylbenzene	105	18.723	18.722	0.001	98	219395	0.4000	0.3879	
94 1,3-Dichlorobenzene	146	18.738	18.739	-0.001	97	102440	0.4000	0.3948	
95 Benzyl chloride	91	18.816	18.817	-0.001	97	103438	0.4000	0.3118	
96 1,4-Dichlorobenzene	146	18.826	18.829	-0.003	91	96899	0.4000	0.3928	
97 4-Isopropyltoluene	119	18.893	18.894	-0.001	96	171643	0.4000	0.3953	
98 1,2,3-Trimethylbenzene	105	18.950	18.948	0.002	99	158427	0.4000	0.4050	
99 Butylcyclohexane	83	19.002	19.005	-0.003	92	139594	0.4000	0.4165	
100 1,2-Dichlorobenzene	146	19.203	19.205	-0.002	82	104846	0.4000	0.4007	
101 2,3-Dihydroindene	117	19.203	19.204	-0.001	92	141703	0.4000	0.3843	
102 Indene	116	19.338	19.340	-0.002	90	113484	0.4000	0.3448	
103 n-Butylbenzene	91	19.348	19.346	0.002	96	213054	0.4000	0.4088	
104 Undecane	57	19.674	19.672	0.002	95	116661	0.4000	0.3581	
105 1,2-Dibromo-3-Chloropropan	157	19.829	19.833	-0.004	87	46467	0.4000	0.3661	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	96	137380	0.4000	0.3496	
107 Dodecane	57	20.764	20.765	-0.001	93	91576	0.4000	0.2848	
108 1,2,4-Trichlorobenzene	180	20.966	20.966	0.000	92	59652	0.4000	0.3661	
109 Naphthalene	128	21.110	21.111	-0.001	98	145411	0.4000	0.3913	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	89	81851	0.4000	0.3634	
111 1,2,3-Trichlorobenzene	180	21.410	21.410	0.000	94	67722	0.4000	0.3701	
112 2-Methylnaphthalene	142	22.061	22.062	-0.001	95	23571	0.4000	0.1845	
113 1-Methylnaphthalene	142	22.191	22.191	0.000	96	42808	0.4000	0.2699	
A 115 C8 Range	1	14.280	(14.247-14.329)		0	374828	0.4000	0.3978	
S 116 Xylenes, Total	100				0		1.20	1.25	
S 117 1,2-Dichloroethene, Total	1				0		0.8000	0.7775	

Reagents:

40L5DQP_00018	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

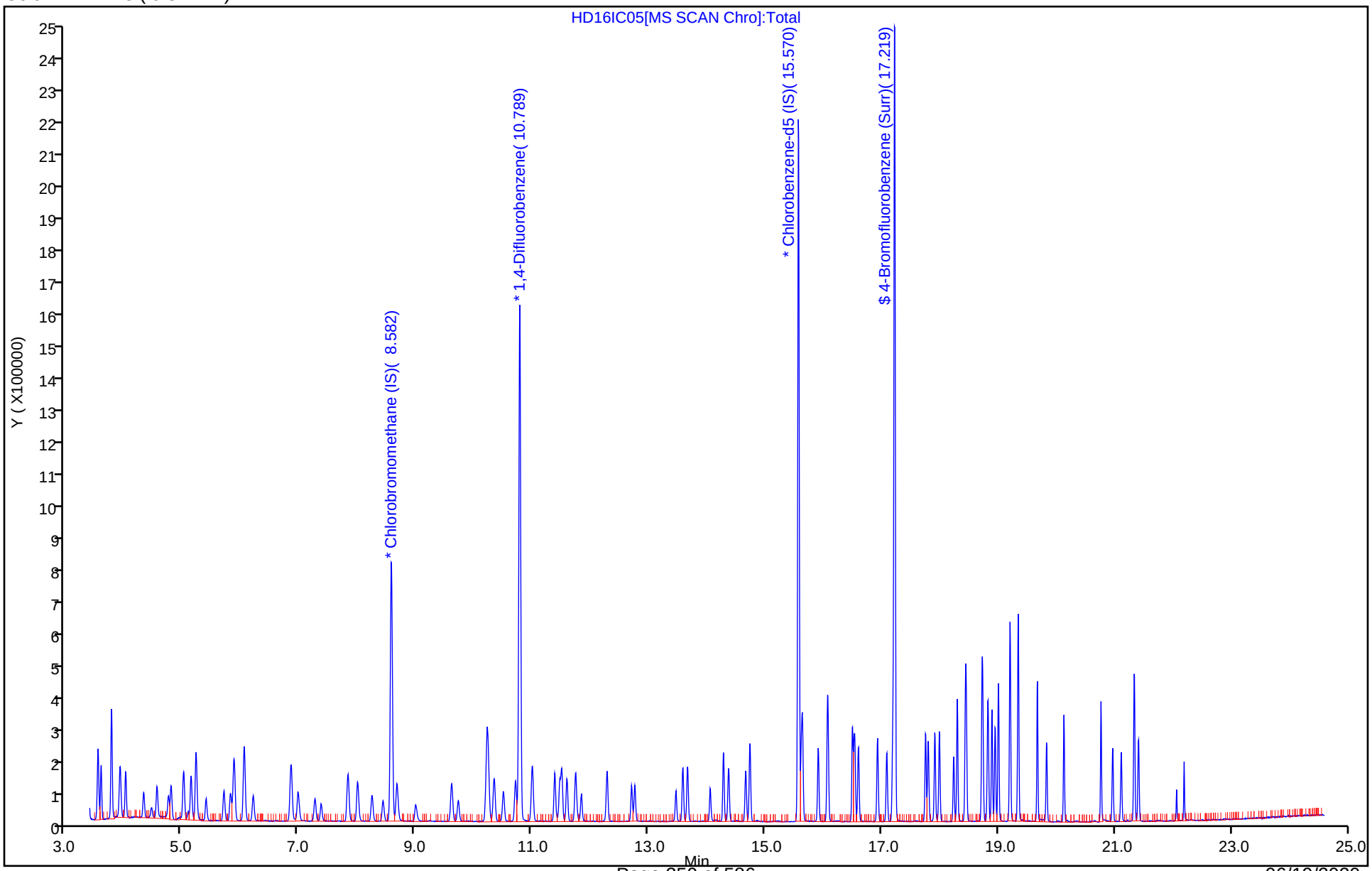
Report Date: 21-Apr-2020 10:48:38 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC05.D

Injection Date:	16-Apr-2020 11:33:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	IC L5			Worklist Smp#:	7
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)

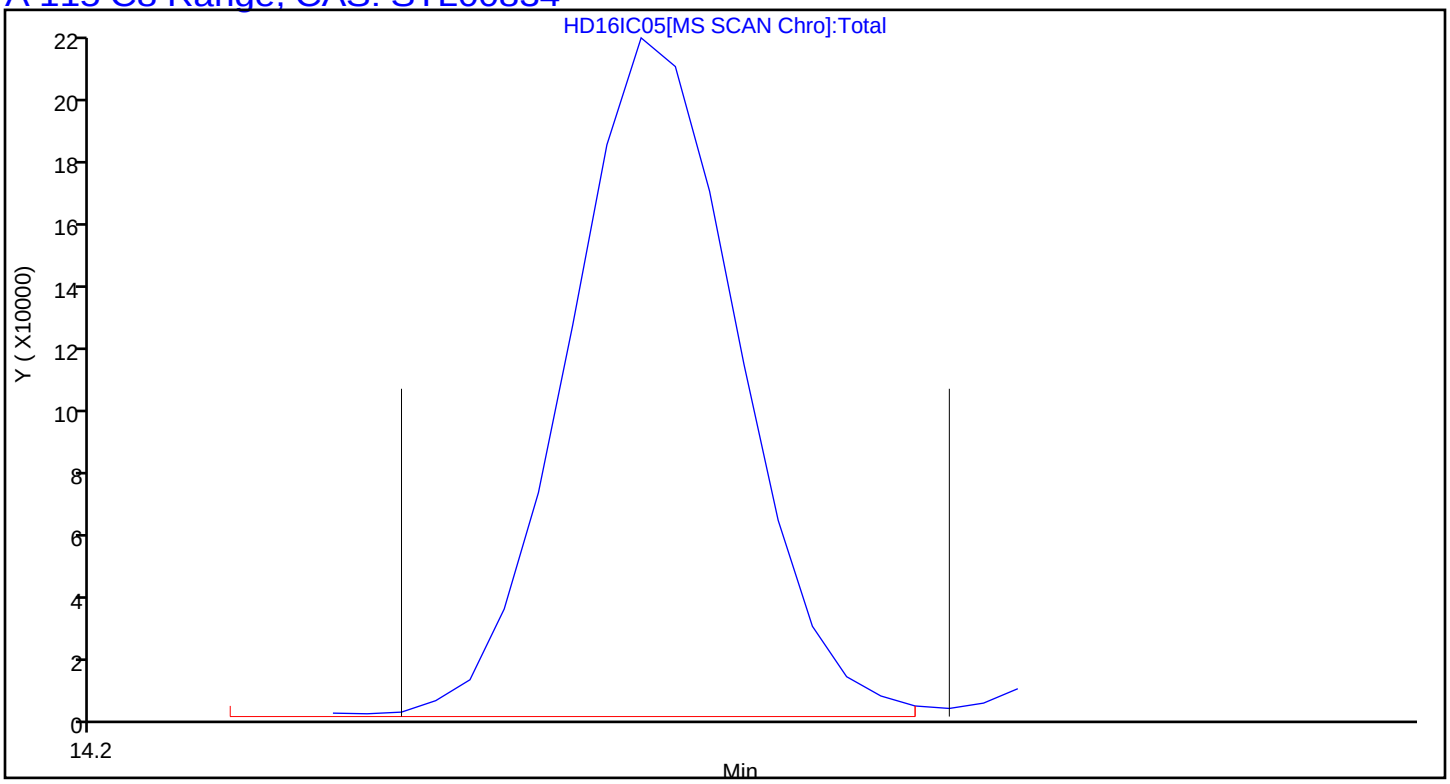


Report Date: 21-Apr-2020 10:48:38 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC05.D				
Injection Date:	16-Apr-2020 11:33:30	Instrument ID:	MH		
Lims ID:	IC L5				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	3	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\20200416-15239.b\HD16IC06.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 16-Apr-2020 12:26:30 ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015239-008
Misc. Info.: 297342
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Apr-2020 10:48:42 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: tajh Date: 16-Apr-2020 13:23:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.582	8.589	-0.007	96	215621	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.789	10.792	-0.003	95	1476348	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.572	0.003	89	1221397	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.224	17.222	0.002	89	860143	4.00	4.20	
6 Chlorodifluoromethane	51	3.543	3.546	-0.003	97	231500	1.00	1.02	
7 Propene	41	3.553	3.555	-0.002	99	139705	1.00	1.00	
8 Dichlorodifluoromethane	85	3.605	3.606	-0.001	100	359489	1.00	1.03	
9 Chloromethane	52	3.776	3.779	-0.003	96	37262	1.00	0.9771	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.781	3.785	-0.004	94	250336	1.00	1.07	
11 Acetaldehyde	44	3.926	3.930	-0.004	95	211668	5.00	4.98	
12 Vinyl chloride	62	3.941	3.945	-0.004	99	121630	1.00	0.9723	
14 Butadiene	54	4.024	4.028	-0.004	72	85854	1.00	1.01	
13 Butane	43	4.024	4.028	-0.004	82	145634	1.00	0.9824	
15 Bromomethane	94	4.334	4.337	-0.003	98	133380	1.00	1.01	
16 Chloroethane	64	4.468	4.473	-0.005	97	52250	1.00	0.9813	
17 Ethanol	31	4.561	4.571	-0.010	93	189858	5.00	4.94	
18 Vinyl bromide	106	4.758	4.763	-0.005	96	121595	1.00	1.02	
19 2-Methylbutane	43	4.804	4.806	-0.002	87	102629	1.00	0.9435	
20 Trichlorofluoromethane	101	5.016	5.022	-0.006	99	307689	1.00	0.9809	
21 Acrolein	56	5.032	5.037	-0.005	93	36991	1.00	1.01	
22 Acetonitrile	40	5.099	5.116	-0.017	97	45061	1.00	1.07	
23 Acetone	58	5.140	5.154	-0.014	98	144197	3.00	2.97	
25 Isopropyl alcohol	45	5.223	5.241	-0.018	93	408240	3.00	2.81	
24 Pentane	72	5.233	5.236	-0.003	96	13325	1.00	0.9825	
26 Ethyl ether	31	5.399	5.408	-0.009	95	97518	1.00	1.04	
27 1,1-Dichloroethene	96	5.714	5.716	-0.002	96	100847	1.00	0.9599	
28 Acrylonitrile	53	5.822	5.826	-0.004	95	80366	1.00	1.01	
29 2-Methyl-2-propanol	59	5.812	5.832	-0.020	96	173411	1.00	0.99	
30 1,1,2-Trichloro-1,2,2-trif	101	5.884	5.889	-0.005	91	245213	1.00	1.01	
31 Methylene Chloride	84	6.060	6.063	-0.003	98	154970	1.00	1.03	

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	6.076	6.076	0.000	98	91499	1.00	1.03	
33 Carbon disulfide	76	6.215	6.218	-0.003	100	321614	1.00	1.02	
34 trans-1,2-Dichloroethene	96	6.856	6.859	-0.003	96	104558	1.00	1.01	
35 2-Methylpentane	43	6.872	6.873	-0.001	94	216620	1.00	1.06	
36 Methyl tert-butyl ether	73	6.975	6.989	-0.014	97	250002	1.00	1.03	
37 1,1-Dichloroethane	63	7.275	7.280	-0.005	100	203725	1.00	0.9866	
38 Vinyl acetate	43	7.378	7.385	-0.007	100	268831	1.00	1.04	
39 2-Butanone (MEK)	72	7.823	7.832	-0.010	96	46715	1.00	1.02	
40 Hexane	56	7.843	7.848	-0.005	89	81612	1.00	1.05	
41 Isopropyl ether	45	8.003	8.011	-0.008	97	355721	1.00	1.07	
42 cis-1,2-Dichloroethene	96	8.257	8.259	-0.002	96	109138	1.00	1.01	
43 Ethyl acetate	43	8.438	8.446	-0.008	99	243309	1.00	1.05	
44 Chloroform	83	8.598	8.601	-0.003	97	259748	1.00	1.02	
45 Tert-butyl ethyl ether	59	8.675	8.688	-0.013	97	302438	1.00	1.04	
46 Tetrahydrofuran	42	8.991	9.005	-0.014	93	111448	1.00	1.05	
47 1,1,1-Trichloroethane	97	9.621	9.623	-0.002	97	238710	1.00	1.01	
48 1,2-Dichloroethane	62	9.735	9.736	-0.001	97	159660	1.00	1.02	
49 n-Butanol	31	10.190	10.201	-0.011	76	31194	1.00	0.9393	
50 Cyclohexane	69	10.221	10.229	-0.008	78	44463	1.00	1.05	
51 Benzene	78	10.231	10.231	0.000	97	327048	1.00	1.02	
52 Carbon tetrachloride	117	10.252	10.253	-0.001	94	235027	1.00	1.01	
53 2,3-Dimethylpentane	71	10.350	10.351	-0.001	88	63177	1.00	1.04	
54 Thiophene	84	10.510	10.512	-0.002	96	187275	1.00	1.04	
55 Isooctane	57	11.001	11.005	-0.004	98	502191	1.00	1.03	
56 n-Heptane	71	11.389	11.392	-0.003	91	91657	1.00	1.02	
57 1,2-Dichloropropane	63	11.477	11.478	-0.001	91	134477	1.00	1.02	
58 Trichloroethene	130	11.513	11.514	-0.001	90	127602	1.00	0.9720	
59 Dibromomethane	93	11.601	11.602	-0.001	88	163438	1.00	1.02	
60 Dichlorobromomethane	83	11.750	11.748	0.002	97	260503	1.00	1.03	
61 1,4-Dioxane	88	11.761	11.770	-0.009	90	45200	1.00	0.9663	
62 Methyl methacrylate	41	11.843	11.847	-0.004	94	124803	1.00	1.05	
63 Methylcyclohexane	83	12.288	12.288	0.000	94	166351	1.00	0.9235	
64 4-Methyl-2-pentanone (MIBK	43	12.701	12.710	-0.009	97	246503	1.00	1.08	
65 cis-1,3-Dichloropropene	75	12.763	12.764	-0.001	95	180786	1.00	1.06	
66 trans-1,3-Dichloropropene	75	13.472	13.471	0.001	98	151775	1.00	1.04	
67 Toluene	91	13.585	13.589	-0.004	92	359526	1.00	1.02	
68 1,1,2-Trichloroethane	83	13.668	13.670	-0.002	96	132187	1.00	1.03	
69 2-Hexanone	58	14.056	14.059	-0.003	91	113223	1.00	1.01	
70 n-Octane	85	14.283	14.287	-0.004	93	96698	1.00	1.02	
71 Chlorodibromomethane	129	14.376	14.374	0.002	96	233797	1.00	1.03	
72 Ethylene Dibromide	107	14.665	14.668	-0.003	98	221286	1.00	1.05	
73 Tetrachloroethene	129	14.738	14.739	-0.001	91	128051	1.00	0.9787	
74 Chlorobenzene	112	15.622	15.622	0.000	92	278338	1.00	0.9792	
75 2,3-Dimethylheptane	43	15.642	15.643	-0.001	95	346291	1.00	1.08	
76 Ethylbenzene	91	15.911	15.911	0.000	99	460069	1.00	1.04	
77 m-Xylene & p-Xylene	91	16.071	16.076	-0.005	99	732692	2.00	2.18	
78 n-Nonane	57	16.495	16.497	-0.002	92	226817	1.00	1.05	
79 Bromoform	173	16.526	16.527	-0.001	92	231700	1.00	1.00	
80 Styrene	104	16.542	16.541	0.001	98	251682	1.00	1.00	
81 o-Xylene	91	16.604	16.601	0.003	98	382815	1.00	1.10	
82 1,1,2,2-Tetrachloroethane	83	16.929	16.930	-0.001	98	349990	1.00	1.05	
83 1,2,3-Trichloropropane	110	17.089	17.089	0.000	97	76006	1.00	1.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.188	17.192	-0.004	97	486566	1.00	1.03	
85 N-Propylbenzene	120	17.756	17.756	0.000	98	125088	1.00	1.03	
86 2-Chlorotoluene	126	17.797	17.794	0.003	97	127493	1.00	1.08	
87 4-Ethyltoluene	105	17.911	17.912	-0.001	99	499000	1.00	1.08	
88 1,3,5-Trimethylbenzene	120	17.994	17.992	0.002	91	190751	1.00	1.00	
89 Alpha Methyl Styrene	118	18.237	18.237	0.000	85	179584	1.00	0.9693	
90 n-Decane	57	18.299	18.299	0.000	90	327523	1.00	1.08	
91 tert-Butylbenzene	119	18.438	18.439	-0.001	87	433573	1.00	1.05	
92 1,2,4-Trimethylbenzene	105	18.454	18.454	0.000	97	445105	1.00	1.08	
93 sec-Butylbenzene	105	18.723	18.722	0.001	98	643662	1.00	1.08	
94 1,3-Dichlorobenzene	146	18.738	18.739	-0.001	98	283133	1.00	1.04	
95 Benzyl chloride	91	18.816	18.817	-0.001	96	327220	1.00	0.9391	
96 1,4-Dichlorobenzene	146	18.826	18.829	-0.003	95	268919	1.00	1.04	
97 4-Isopropyltoluene	119	18.893	18.894	-0.001	96	493467	1.00	1.08	
98 1,2,3-Trimethylbenzene	105	18.945	18.948	-0.003	99	443228	1.00	1.08	
99 Butylcyclohexane	83	19.002	19.005	-0.003	93	385710	1.00	1.10	
100 1,2-Dichlorobenzene	146	19.203	19.205	-0.002	79	285474	1.00	1.04	
101 2,3-Dihydroindene	117	19.203	19.204	-0.001	92	408235	1.00	1.05	
102 Indene	116	19.338	19.340	-0.002	89	340988	1.00	0.9866	
103 n-Butylbenzene	91	19.343	19.346	-0.003	97	598461	1.00	1.04	
104 Undecane	57	19.674	19.672	0.002	95	363019	1.00	1.06	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.833	0.001	94	140139	1.00	0.9498	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	96	439273	1.00	0.9150	
107 Dodecane	57	20.764	20.765	-0.001	95	324734	1.00	0.9618	
108 1,2,4-Trichlorobenzene	180	20.966	20.966	0.000	93	187269	1.00	1.09	
109 Naphthalene	128	21.110	21.111	-0.001	98	437919	1.00	1.12	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	89	232795	1.00	0.9842	
111 1,2,3-Trichlorobenzene	180	21.410	21.410	0.000	92	201572	1.00	1.05	
112 2-Methylnaphthalene	142	22.061	22.062	-0.001	96	100153	1.00	0.7464	
113 1-Methylnaphthalene	142	22.191	22.191	0.000	96	157067	1.00	0.9428	
A 115 C8 Range	1	14.273	(14.231-14.345)		0	1017108	1.00	1.06	
S 116 Xylenes, Total	100				0		3.00	3.28	
S 117 1,2-Dichloroethene, Total	1				0		2.00	2.02	

Reagents:

40L6DQP_00017	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

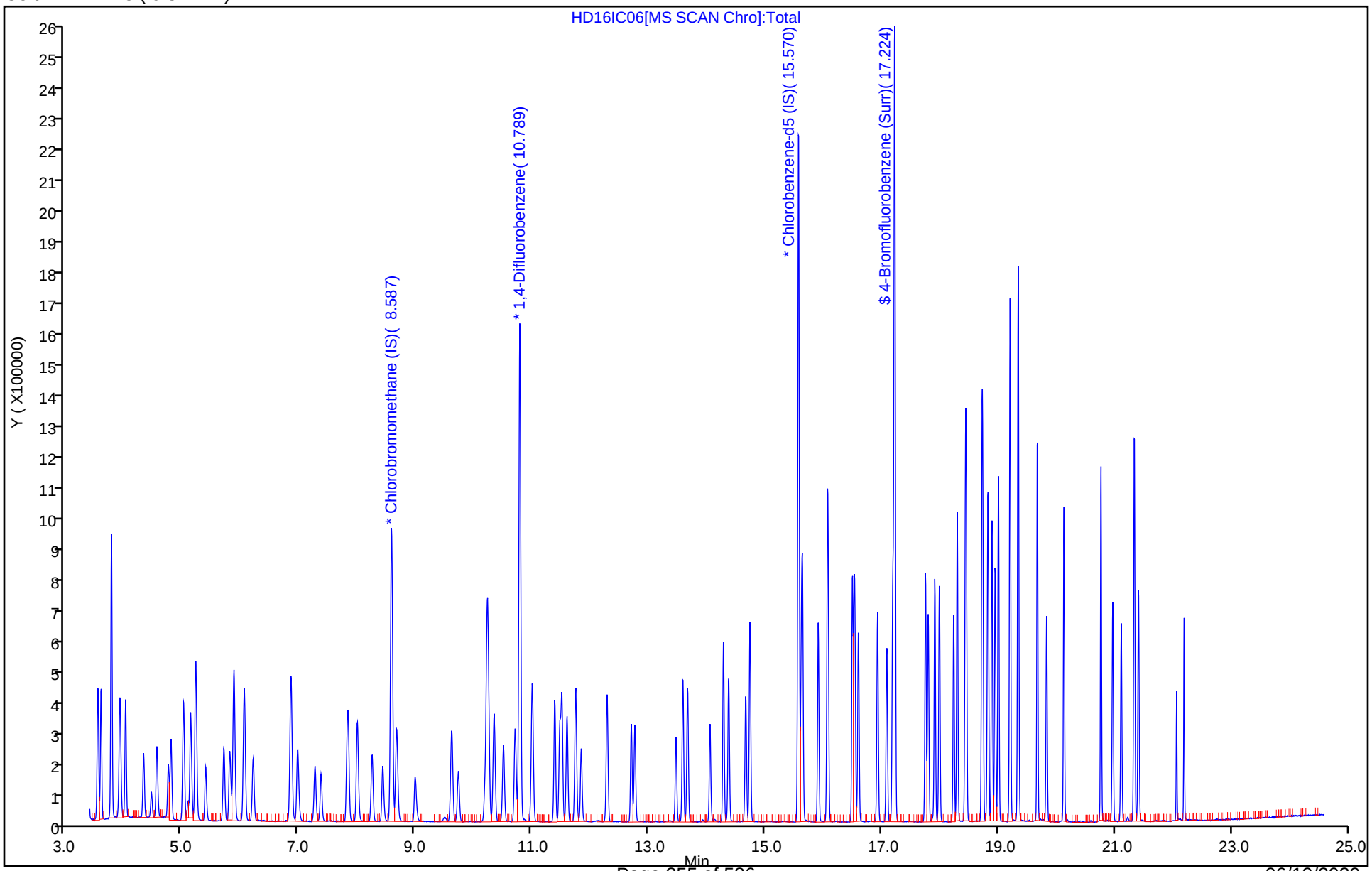
Report Date: 21-Apr-2020 10:48:43 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC06.D

Injection Date:	16-Apr-2020 12:26:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	IC L6			Worklist Smp#:	8
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)

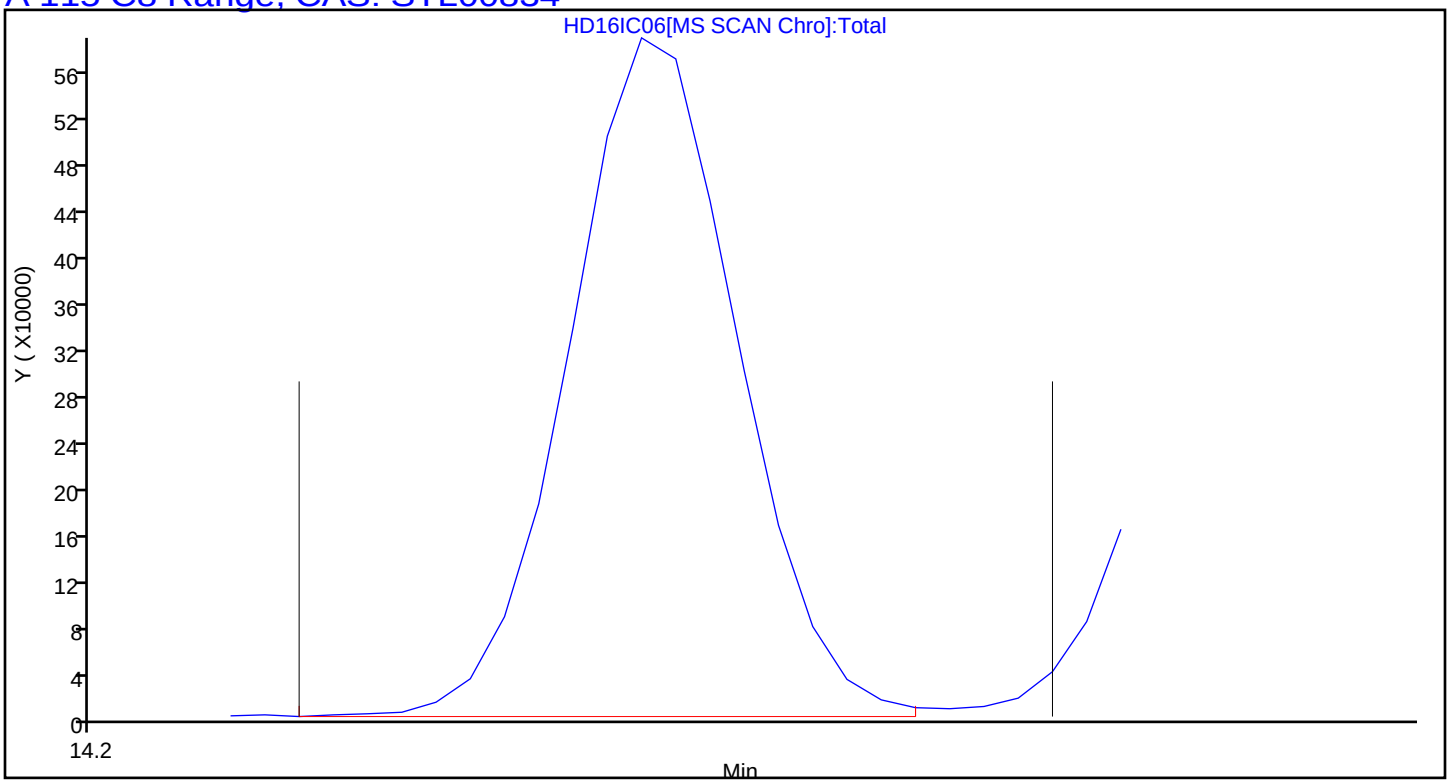


Report Date: 21-Apr-2020 10:48:43 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC06.D				
Injection Date:	16-Apr-2020 12:26:30	Instrument ID:	MH		
Lims ID:	IC L6				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	4	Worklist Smp#:	8
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\20200416-15239.b\HD16IC07.D
Lims ID: ICIS L7
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 16-Apr-2020 13:19:30 ALS Bottle#: 5 Worklist Smp#: 9
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015239-009
Misc. Info.: 297186
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Apr-2020 10:48:47 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: tajh Date: 16-Apr-2020 14:19:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.593	8.589	0.003	96	238129	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.794	10.792	0.002	95	1621590	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.572	0.003	89	1350213	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.224	17.222	0.002	89	938760	4.00	4.14	
6 Chlorodifluoromethane	51	3.548	3.546	0.002	97	486289	2.00	1.94	
7 Propene	41	3.559	3.555	0.003	99	241206	2.00	1.98	
8 Dichlorodifluoromethane	85	3.610	3.606	0.004	100	758766	2.00	1.96	
9 Chloromethane	52	3.786	3.779	0.007	98	79574	2.00	1.89	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.791	3.785	0.006	95	497468	2.00	1.93	
11 Acetaldehyde	44	3.931	3.930	0.001	99	459205	10.0	9.79	
12 Vinyl chloride	62	3.946	3.945	0.001	99	260327	2.00	1.88	
14 Butadiene	54	4.029	4.028	0.001	72	185695	2.00	1.98	
13 Butane	43	4.029	4.028	0.001	83	319615	2.00	1.95	
15 Bromomethane	94	4.339	4.337	0.002	97	283021	2.00	1.94	
16 Chloroethane	64	4.473	4.473	0.000	95	114269	2.00	1.94	
17 Ethanol	31	4.572	4.571	0.001	93	437849	10.0	10.3	
18 Vinyl bromide	106	4.768	4.763	0.005	97	259146	2.00	1.97	
19 2-Methylbutane	43	4.809	4.806	0.003	89	230259	2.00	1.92	
20 Trichlorofluoromethane	101	5.026	5.022	0.004	99	673807	2.00	1.95	
21 Acrolein	56	5.037	5.037	0.000	93	83698	2.00	2.07	
22 Acetonitrile	40	5.104	5.116	-0.012	99	99811	2.00	2.14	
23 Acetone	58	5.145	5.154	-0.009	98	321031	6.00	5.99	
25 Isopropyl alcohol	45	5.233	5.241	-0.008	93	929352	6.00	5.87	
24 Pentane	72	5.243	5.236	0.007	96	30063	2.00	2.01	
26 Ethyl ether	31	5.404	5.408	-0.004	96	210353	2.00	2.03	
27 1,1-Dichloroethene	96	5.719	5.716	0.003	96	227649	2.00	1.96	
29 2-Methyl-2-propanol	59	5.817	5.832	-0.015	95	400539	2.00	2.08	
28 Acrylonitrile	53	5.827	5.826	0.001	96	178531	2.00	2.03	
30 1,1,2-Trichloro-1,2,2-trif	101	5.889	5.889	0.000	92	530093	2.00	1.97	
31 Methylene Chloride	84	6.065	6.063	0.002	99	277879	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	6.081	6.076	0.005	98	183177	2.00	1.87	
33 Carbon disulfide	76	6.220	6.218	0.002	99	700695	2.00	2.02	
34 trans-1,2-Dichloroethene	96	6.861	6.859	0.002	97	231517	2.00	2.02	
35 2-Methylpentane	43	6.877	6.873	0.004	94	470982	2.00	2.08	
36 Methyl tert-butyl ether	73	6.985	6.989	-0.004	97	566203	2.00	2.12	
37 1,1-Dichloroethane	63	7.285	7.280	0.005	100	444836	2.00	1.95	
38 Vinyl acetate	43	7.388	7.385	0.003	100	609105	2.00	2.14	
39 2-Butanone (MEK)	72	7.833	7.832	0.001	96	105028	2.00	2.07	
40 Hexane	56	7.853	7.848	0.005	88	177214	2.00	2.07	
41 Isopropyl ether	45	8.003	8.011	-0.008	98	779860	2.00	2.12	
42 cis-1,2-Dichloroethene	96	8.262	8.259	0.003	96	244867	2.00	2.05	
43 Ethyl acetate	43	8.443	8.446	-0.003	99	528533	2.00	2.06	
44 Chloroform	83	8.608	8.601	0.007	97	555591	2.00	1.98	
45 Tert-butyl ethyl ether	59	8.680	8.688	-0.008	96	682084	2.00	2.13	
46 Tetrahydrofuran	42	8.996	9.005	-0.009	93	241581	2.00	2.07	
47 1,1,1-Trichloroethane	97	9.626	9.623	0.003	97	519709	2.00	1.99	
48 1,2-Dichloroethane	62	9.745	9.736	0.009	97	341615	2.00	1.99	
49 n-Butanol	31	10.190	10.201	-0.011	82	74752	2.00	2.05	
50 Cyclohexane	69	10.231	10.229	0.002	93	97449	2.00	2.09	
51 Benzene	78	10.236	10.231	0.005	97	702040	2.00	1.99	
52 Carbon tetrachloride	117	10.257	10.253	0.004	95	428945	2.00	1.68	
53 2,3-Dimethylpentane	71	10.355	10.351	0.004	90	143017	2.00	2.14	
54 Thiophene	84	10.515	10.512	0.003	97	408590	2.00	2.07	
55 Isooctane	57	11.006	11.005	0.001	98	1105098	2.00	2.06	
56 n-Heptane	71	11.394	11.392	0.002	91	207953	2.00	2.10	
57 1,2-Dichloropropane	63	11.482	11.478	0.004	92	288578	2.00	2.00	
58 Trichloroethene	130	11.518	11.514	0.004	90	290163	2.00	2.01	
59 Dibromomethane	93	11.606	11.602	0.004	90	353400	2.00	2.00	
60 Dichlorobromomethane	83	11.750	11.748	0.002	98	566974	2.00	2.05	
61 1,4-Dioxane	88	11.761	11.770	-0.009	87	108163	2.00	2.11	
62 Methyl methacrylate	41	11.843	11.847	-0.004	94	281242	2.00	2.16	
63 Methylcyclohexane	83	12.293	12.288	0.005	95	382280	2.00	1.90	
64 4-Methyl-2-pentanone (MIBK	43	12.701	12.710	-0.009	97	558163	2.00	2.22	
65 cis-1,3-Dichloropropene	75	12.763	12.764	-0.001	95	405317	2.00	2.17	
66 trans-1,3-Dichloropropene	75	13.471	13.471	0.000	97	347837	2.00	2.16	
67 Toluene	91	13.590	13.589	0.001	93	814775	2.00	2.07	
68 1,1,2-Trichloroethane	83	13.673	13.670	0.003	96	292002	2.00	2.06	
69 2-Hexanone	58	14.055	14.059	-0.004	92	276466	2.00	2.23	
70 n-Octane	85	14.288	14.287	0.001	93	223369	2.00	2.13	
71 Chlorodibromomethane	129	14.376	14.374	0.002	97	525843	2.00	2.10	
72 Ethylene Dibromide	107	14.665	14.668	-0.003	97	487987	2.00	2.09	
73 Tetrachloroethene	129	14.738	14.739	-0.001	91	289299	2.00	2.00	
74 Chlorobenzene	112	15.621	15.622	-0.001	93	618693	2.00	1.97	
75 2,3-Dimethylheptane	43	15.642	15.643	-0.001	96	746142	2.00	2.10	
76 Ethylbenzene	91	15.911	15.911	0.000	99	1047293	2.00	2.15	
77 m-Xylene & p-Xylene	91	16.076	16.076	0.000	99	1645607	4.00	4.43	
78 n-Nonane	57	16.495	16.497	-0.002	91	522325	2.00	2.18	
79 Bromoform	173	16.526	16.527	-0.001	91	519364	2.00	2.02	
80 Styrene	104	16.541	16.541	0.000	99	582294	2.00	2.06	
81 o-Xylene	91	16.603	16.601	0.002	98	842502	2.00	2.19	
82 1,1,2,2-Tetrachloroethane	83	16.929	16.930	-0.001	98	754733	2.00	2.04	
83 1,2,3-Trichloropropane	110	17.089	17.089	0.000	97	166974	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
84 Isopropylbenzene	105	17.193	17.192	0.001	96	1100652	2.00	2.12	
85 N-Propylbenzene	120	17.756	17.756	0.000	98	289338	2.00	2.16	
86 2-Chlorotoluene	126	17.803	17.794	0.009	98	280556	2.00	2.16	
87 4-Ethyltoluene	105	17.911	17.912	-0.001	99	1132867	2.00	2.21	
88 1,3,5-Trimethylbenzene	120	17.994	17.992	0.002	91	433130	2.00	2.02	
89 Alpha Methyl Styrene	118	18.237	18.237	0.000	86	443556	2.00	2.17	
90 n-Decane	57	18.299	18.299	0.000	90	717310	2.00	2.14	
91 tert-Butylbenzene	119	18.438	18.439	-0.001	89	969278	2.00	2.12	
92 1,2,4-Trimethylbenzene	105	18.454	18.454	0.000	96	985232	2.00	2.16	
93 sec-Butylbenzene	105	18.723	18.722	0.000	98	1475251	2.00	2.25	
94 1,3-Dichlorobenzene	146	18.738	18.739	-0.001	98	629940	2.00	2.09	
95 Benzyl chloride	91	18.816	18.817	-0.001	97	825637	2.00	2.14	
96 1,4-Dichlorobenzene	146	18.831	18.829	0.002	95	607350	2.00	2.12	
97 4-Isopropyltoluene	119	18.893	18.894	-0.001	96	1110692	2.00	2.20	
98 1,2,3-Trimethylbenzene	105	18.950	18.948	0.002	99	985784	2.00	2.17	
99 Butylcyclohexane	83	19.007	19.005	0.002	94	840561	2.00	2.16	
100 1,2-Dichlorobenzene	146	19.203	19.205	-0.002	79	637250	2.00	2.10	
101 2,3-Dihydroindene	117	19.203	19.204	-0.001	93	928811	2.00	2.17	
102 Indene	116	19.338	19.340	-0.002	92	815409	2.00	2.13	
103 n-Butylbenzene	91	19.348	19.346	0.002	98	1318318	2.00	2.04	
104 Undecane	57	19.673	19.672	0.001	95	820319	2.00	2.17	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.833	0.001	95	350953	2.00	2.08	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	96	1018930	2.00	1.84	
107 Dodecane	57	20.764	20.765	-0.001	96	754126	2.00	2.02	
108 1,2,4-Trichlorobenzene	180	20.966	20.966	0.000	93	443828	2.00	2.35	
109 Naphthalene	128	21.110	21.111	-0.001	99	1046543	2.00	2.43	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	90	521395	2.00	1.99	
111 1,2,3-Trichlorobenzene	180	21.410	21.410	0.000	92	441687	2.00	2.08	
112 2-Methylnaphthalene	142	22.061	22.062	-0.001	97	247741	2.00	1.67	
113 1-Methylnaphthalene	142	22.190	22.191	-0.001	96	332364	2.00	1.80	
A 115 C8 Range	1	14.288	(14.242-14.345)		0	2244338	2.00	2.13	
S 116 Xylenes, Total	100				0		6.00	6.61	
S 117 1,2-Dichloroethene, Total	1				0		4.00	4.07	

Reagents:

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40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

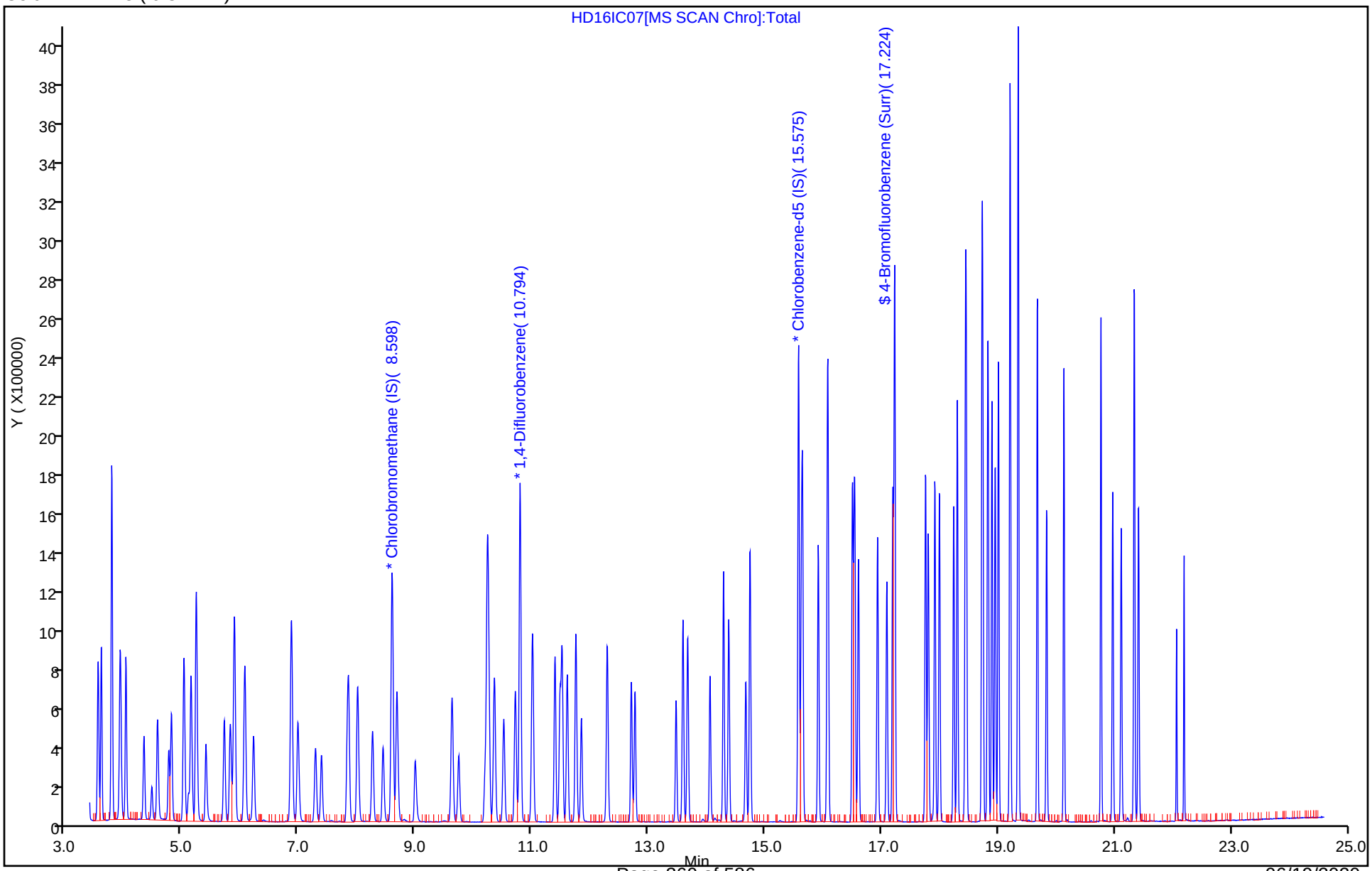
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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC07.D

Injection Date:	16-Apr-2020 13:19:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	ICIS L7			Worklist Smp#:	9
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)

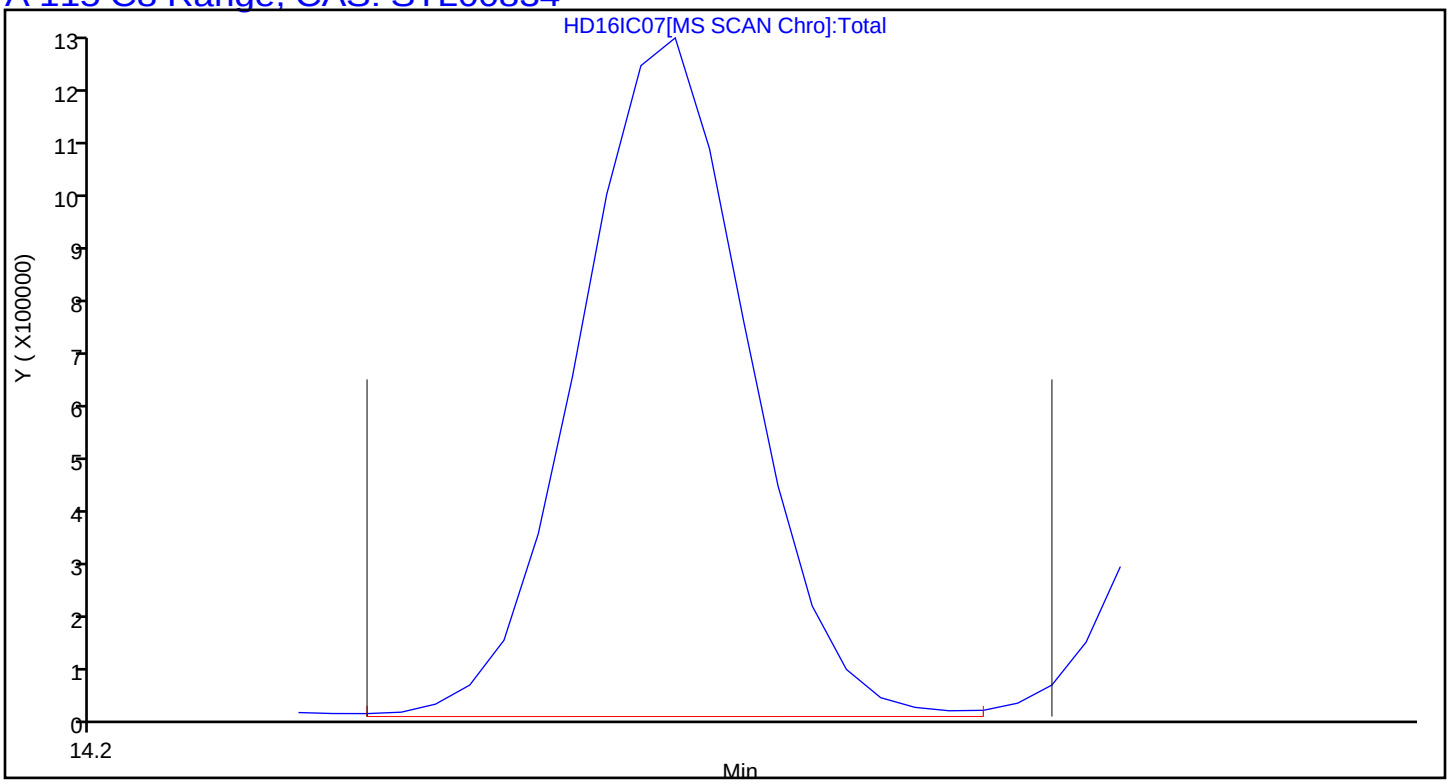


Report Date: 21-Apr-2020 10:48:48 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC07.D				
Injection Date:	16-Apr-2020 13:19:30	Instrument ID:	MH		
Lims ID:	ICIS L7				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	5	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\20200416-15239.b\HD16IC08.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 16-Apr-2020 15:04:30 ALS Bottle#: 6 Worklist Smp#: 11
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015239-011
Misc. Info.: 297185
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Apr-2020 10:48:53 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0331

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.598	8.589	0.009	96	236579	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.794	10.792	0.002	95	1606994	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.572	0.003	88	1391655	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.224	17.222	0.002	90	966038	4.00	4.14	
6 Chlorodifluoromethane	51	3.548	3.546	0.002	97	963019	4.00	3.86	
7 Propene	41	3.559	3.555	0.004	99	427965	4.00	4.13	
8 Dichlorodifluoromethane	85	3.605	3.606	-0.001	100	1463527	4.00	3.81	
9 Chloromethane	52	3.781	3.779	0.002	97	152640	4.00	3.65	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.786	3.785	0.001	97	999739	4.00	3.91	
11 Acetaldehyde	44	3.926	3.930	-0.004	98	873674	20.0	18.7	
12 Vinyl chloride	62	3.946	3.945	0.001	99	504476	4.00	3.68	
14 Butadiene	54	4.029	4.028	0.001	73	364329	4.00	3.91	
13 Butane	43	4.029	4.028	0.001	83	609622	4.00	3.75	
15 Bromomethane	94	4.339	4.337	0.002	98	557215	4.00	3.85	
16 Chloroethane	64	4.473	4.473	0.000	95	220714	4.00	3.78	
17 Ethanol	31	4.572	4.571	0.001	92	849422	20.0	20.1	
18 Vinyl bromide	106	4.763	4.763	0.000	97	512684	4.00	3.93	
19 2-Methylbutane	43	4.809	4.806	0.003	89	439434	4.00	3.68	
20 Trichlorofluoromethane	101	5.026	5.022	0.004	99	1313983	4.00	3.82	
21 Acrolein	56	5.037	5.037	0.000	92	160207	4.00	3.98	
22 Acetonitrile	40	5.104	5.116	-0.012	99	193771	4.00	4.18	
23 Acetone	58	5.145	5.154	-0.009	98	621189	12.0	11.7	
25 Isopropyl alcohol	45	5.233	5.241	-0.008	92	1833925	12.0	12.0	
24 Pentane	72	5.238	5.236	0.002	93	59233	4.00	3.98	
26 Ethyl ether	31	5.399	5.408	-0.009	95	412535	4.00	4.00	
27 1,1-Dichloroethene	96	5.719	5.716	0.003	96	448571	4.00	3.89	
29 2-Methyl-2-propanol	59	5.812	5.832	-0.020	94	801044	4.00	4.19	
28 Acrylonitrile	53	5.828	5.826	0.002	94	362650	4.00	4.15	
30 1,1,2-Trichloro-1,2,2-trif	101	5.890	5.889	0.001	92	1037519	4.00	3.89	
31 Methylene Chloride	84	6.065	6.063	0.002	98	484483	4.00	4.07	
32 3-Chloro-1-propene	39	6.076	6.076	0.000	99	381139	4.00	3.92	

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	6.220	6.218	0.002	99	1401786	4.00	4.06	
34 trans-1,2-Dichloroethene	96	6.866	6.859	0.007	97	462023	4.00	4.06	
35 2-Methylpentane	43	6.872	6.873	-0.001	95	927170	4.00	4.12	
36 Methyl tert-butyl ether	73	6.975	6.989	-0.014	97	1113570	4.00	4.19	
37 1,1-Dichloroethane	63	7.285	7.280	0.005	100	870501	4.00	3.84	
38 Vinyl acetate	43	7.383	7.385	-0.002	100	1260082	4.00	4.46	
39 2-Butanone (MEK)	72	7.828	7.832	-0.004	96	208856	4.00	4.15	
40 Hexane	56	7.848	7.848	0.000	86	350514	4.00	4.12	
41 Isopropyl ether	45	8.003	8.011	-0.008	98	1542058	4.00	4.22	
42 cis-1,2-Dichloroethene	96	8.267	8.259	0.008	95	483319	4.00	4.07	
43 Ethyl acetate	43	8.438	8.446	-0.008	99	1057713	4.00	4.14	
44 Chloroform	83	8.608	8.601	0.007	97	1089216	4.00	3.90	
45 Tert-butyl ethyl ether	59	8.681	8.688	-0.008	96	1373717	4.00	4.32	
46 Tetrahydrofuran	42	8.991	9.005	-0.014	93	486618	4.00	4.19	
47 1,1,1-Trichloroethane	97	9.626	9.623	0.003	97	1035652	4.00	3.98	
48 1,2-Dichloroethane	62	9.740	9.736	0.004	97	674961	4.00	3.97	
49 n-Butanol	31	10.185	10.201	-0.017	84	163141	4.00	4.51	
50 Cyclohexane	69	10.231	10.229	0.002	81	194896	4.00	4.21	
51 Benzene	78	10.236	10.231	0.005	97	1381354	4.00	3.95	
52 Carbon tetrachloride	117	10.257	10.253	0.004	95	1027125	4.00	4.07	
53 2,3-Dimethylpentane	71	10.355	10.351	0.004	89	276254	4.00	4.16	
54 Thiophene	84	10.515	10.512	0.003	96	804688	4.00	4.11	
55 Isooctane	57	11.006	11.005	0.001	98	2202334	4.00	4.15	
56 n-Heptane	71	11.394	11.392	0.002	91	422040	4.00	4.30	
57 1,2-Dichloropropane	63	11.482	11.478	0.004	92	570867	4.00	3.98	
58 Trichloroethene	130	11.518	11.514	0.004	91	562502	4.00	3.94	
59 Dibromomethane	93	11.606	11.602	0.004	90	689705	4.00	3.94	
60 Dichlorobromomethane	83	11.751	11.748	0.003	98	1141997	4.00	4.17	
61 1,4-Dioxane	88	11.756	11.770	-0.014	85	219730	4.00	4.32	
62 Methyl methacrylate	41	11.844	11.847	-0.003	95	572229	4.00	4.44	
63 Methylcyclohexane	83	12.293	12.288	0.005	96	779341	4.00	3.89	
64 4-Methyl-2-pentanone (MIBK	43	12.702	12.710	-0.008	97	1156932	4.00	4.65	
65 cis-1,3-Dichloropropene	75	12.769	12.764	0.005	95	829424	4.00	4.48	
66 trans-1,3-Dichloropropene	75	13.472	13.471	0.001	98	751139	4.00	4.53	
67 Toluene	91	13.590	13.589	0.001	93	1645627	4.00	4.04	
68 1,1,2-Trichloroethane	83	13.673	13.670	0.003	96	578879	4.00	3.97	
69 2-Hexanone	58	14.050	14.059	-0.009	92	586718	4.00	4.60	
70 n-Octane	85	14.288	14.287	0.001	93	464843	4.00	4.30	
71 Chlorodibromomethane	129	14.376	14.374	0.002	97	1125338	4.00	4.36	
72 Ethylene Dibromide	107	14.671	14.668	0.003	97	1020772	4.00	4.23	
73 Tetrachloroethene	129	14.743	14.739	0.004	92	583145	4.00	3.91	
74 Chlorobenzene	112	15.622	15.622	0.000	93	1272896	4.00	3.93	
75 2,3-Dimethylheptane	43	15.642	15.643	-0.001	96	1480622	4.00	4.05	
76 Ethylbenzene	91	15.911	15.911	0.000	99	2180137	4.00	4.34	
77 m-Xylene & p-Xylene	91	16.076	16.076	0.000	99	3391621	8.00	8.85	
78 n-Nonane	57	16.495	16.497	-0.002	90	1071726	4.00	4.34	
79 Bromoform	173	16.526	16.527	-0.001	92	1242561	4.00	4.69	
80 Styrene	104	16.542	16.541	0.001	99	1202773	4.00	4.11	
81 o-Xylene	91	16.604	16.601	0.003	99	1690681	4.00	4.26	
82 1,1,2,2-Tetrachloroethane	83	16.929	16.930	-0.001	98	1582520	4.00	4.16	
83 1,2,3-Trichloropropane	110	17.089	17.089	0.000	98	344685	4.00	4.11	
84 Isopropylbenzene	105	17.193	17.192	0.001	97	2277155	4.00	4.25	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	120	17.756	17.756	0.000	98	615504	4.00	4.46	
86 2-Chlorotoluene	126	17.803	17.794	0.009	98	583613	4.00	4.35	
87 4-Ethyltoluene	105	17.911	17.912	-0.001	99	2375918	4.00	4.49	
88 1,3,5-Trimethylbenzene	120	17.994	17.992	0.002	91	904990	4.00	4.06	
89 Alpha Methyl Styrene	118	18.237	18.237	0.000	86	973148	4.00	4.61	
90 n-Decane	57	18.299	18.299	0.000	90	1470997	4.00	4.25	
91 tert-Butylbenzene	119	18.438	18.439	-0.001	94	2046472	4.00	4.34	
92 1,2,4-Trimethylbenzene	105	18.454	18.454	0.000	96	2062691	4.00	4.39	
93 sec-Butylbenzene	105	18.723	18.722	0.001	98	3126528	4.00	4.62	
94 1,3-Dichlorobenzene	146	18.738	18.739	-0.001	98	1356116	4.00	4.37	
95 Benzyl chloride	91	18.816	18.817	-0.001	97	1848688	4.00	4.66	
96 1,4-Dichlorobenzene	146	18.831	18.829	0.002	96	1310298	4.00	4.44	
97 4-Isopropyltoluene	119	18.893	18.894	-0.001	96	2319630	4.00	4.46	
98 1,2,3-Trimethylbenzene	105	18.950	18.948	0.002	99	2023027	4.00	4.32	
99 Butylcyclohexane	83	19.007	19.005	0.002	95	1709009	4.00	4.26	
100 1,2-Dichlorobenzene	146	19.203	19.205	-0.002	80	1372447	4.00	4.38	
101 2,3-Dihydroindene	117	19.203	19.204	-0.001	93	1995144	4.00	4.52	
102 Indene	116	19.343	19.340	0.003	90	1783350	4.00	4.53	
103 n-Butylbenzene	91	19.348	19.346	0.002	97	2773990	4.00	4.13	
104 Undecane	57	19.674	19.672	0.002	95	1744807	4.00	4.48	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.833	0.001	98	820660	4.00	4.66	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	96	2284296	4.00	3.92	
107 Dodecane	57	20.764	20.765	-0.001	97	1706215	4.00	4.44	
108 1,2,4-Trichlorobenzene	180	20.966	20.966	0.000	93	1103007	4.00	5.66	
109 Naphthalene	128	21.110	21.111	-0.001	99	2490239	4.00	5.60	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	91	1136376	4.00	4.22	
111 1,2,3-Trichlorobenzene	180	21.410	21.410	0.000	92	1012803	4.00	4.63	
112 2-Methylnaphthalene	142	22.061	22.062	-0.001	97	799266	4.00	5.23	
113 1-Methylnaphthalene	142	22.191	22.191	0.000	97	926074	4.00	4.88	
A 115 C8 Range	1	14.293	(14.242-14.335)		0	4495106	4.00	4.30	
S 116 Xylenes, Total	100				0		12.0	13.1	
S 117 1,2-Dichloroethene, Total	1				0		8.00	8.13	

Reagents:

40L8DQP_00017	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

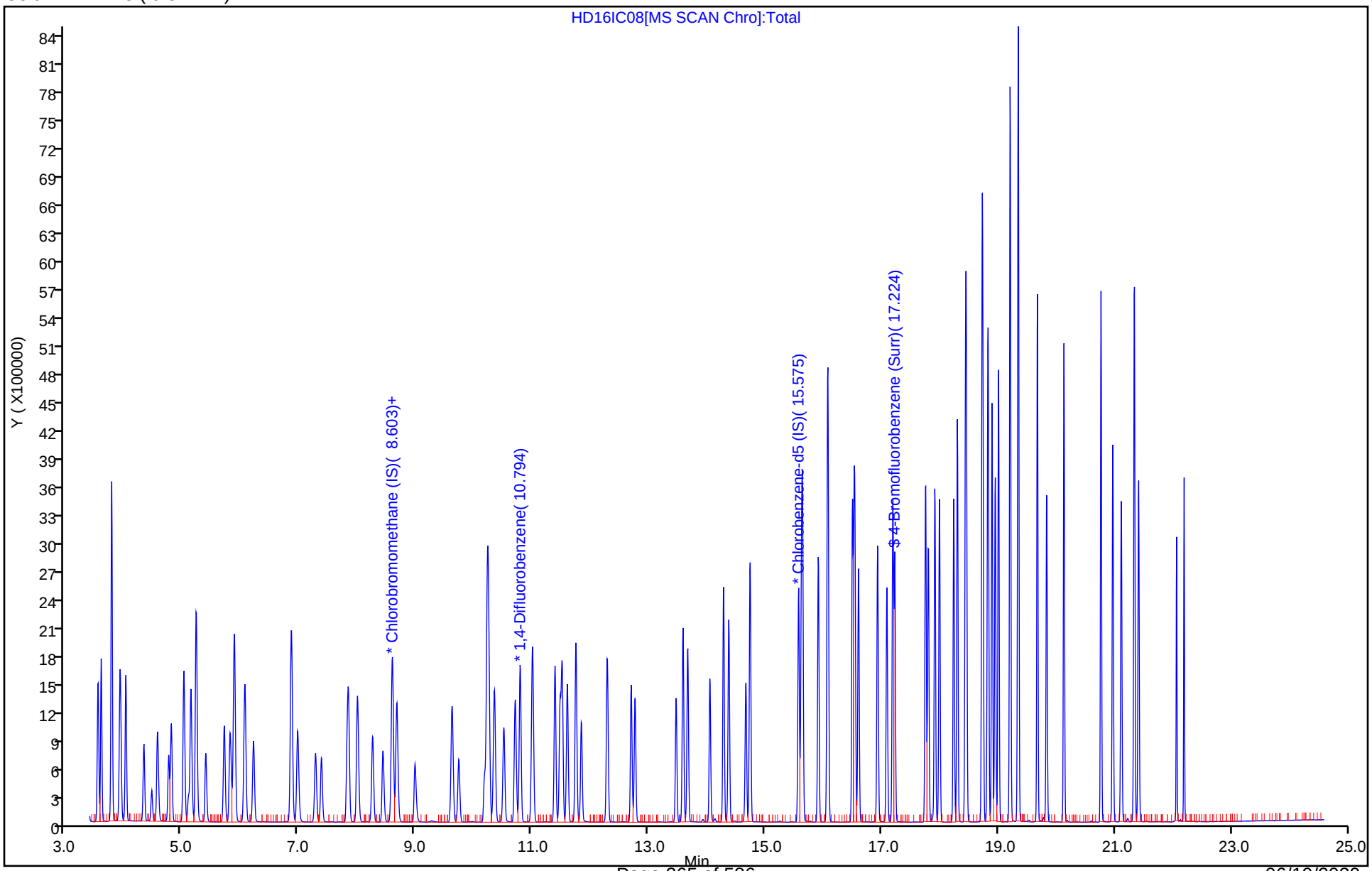
Report Date: 21-Apr-2020 10:48:54 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC08.D

Injection Date:	16-Apr-2020 15:04:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	IC L8			Worklist Smp#:	11
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)

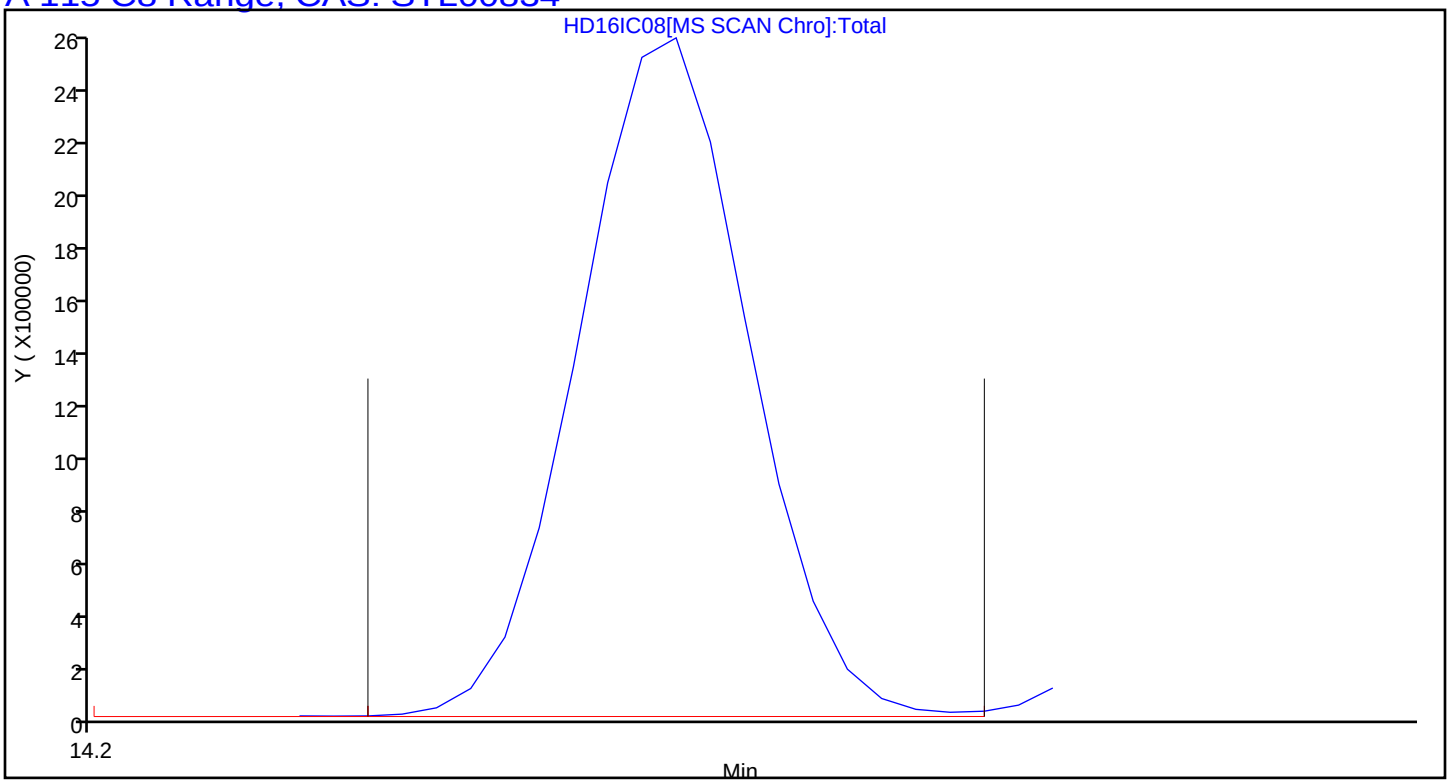


Report Date: 21-Apr-2020 10:48:54 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC08.D				
Injection Date:	16-Apr-2020 15:04:30	Instrument ID:	MH		
Lims ID:	IC L8				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	6	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\20200416-15239.b\HD16C09.D
Lims ID: IC L9
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 16-Apr-2020 16:49:30 ALS Bottle#: 7 Worklist Smp#: 13
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015239-013
Misc. Info.: 297184
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Apr-2020 10:48:58 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0331

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.592	8.589	0.003	96	255156	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.794	10.792	0.002	95	1713618	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.572	0.003	88	1536489	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.224	17.222	0.002	90	1001617	4.00	3.89	
6 Chlorodifluoromethane	51	3.543	3.546	-0.003	97	2067462	8.00	7.68	
7 Propene	41	3.553	3.555	-0.002	99	854036	8.00	8.29	
8 Dichlorodifluoromethane	85	3.600	3.606	-0.006	100	3140078	8.00	7.59	
9 Chloromethane	52	3.776	3.779	-0.003	97	333046	8.00	7.38	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.781	3.785	-0.004	95	2138873	8.00	7.75	
11 Acetaldehyde	44	3.925	3.930	-0.005	97	1939473	40.0	38.6	
12 Vinyl chloride	62	3.941	3.945	-0.004	99	1097532	8.00	7.41	
14 Butadiene	54	4.024	4.028	-0.004	74	800991	8.00	7.96	
13 Butane	43	4.024	4.028	-0.004	82	1317848	8.00	7.51	
15 Bromomethane	94	4.334	4.337	-0.003	98	1195058	8.00	7.65	
16 Chloroethane	64	4.468	4.473	-0.005	95	473312	8.00	7.51	
17 Ethanol	31	4.572	4.571	0.001	92	1803812	40.0	39.6	
18 Vinyl bromide	106	4.763	4.763	0.000	98	1095069	8.00	7.78	
19 2-Methylbutane	43	4.804	4.806	-0.002	88	922954	8.00	7.17	
20 Trichlorofluoromethane	101	5.021	5.022	-0.001	100	2754124	8.00	7.42	
21 Acrolein	56	5.037	5.037	0.000	93	351820	8.00	8.11	
22 Acetonitrile	40	5.104	5.116	-0.012	99	404640	8.00	8.10	
23 Acetone	58	5.145	5.154	-0.009	97	1306609	24.0	22.8	
25 Isopropyl alcohol	45	5.233	5.241	-0.008	88	3796296	24.0	24.2	
24 Pentane	72	5.233	5.236	-0.003	69	123932	8.00	7.72	
26 Ethyl ether	31	5.393	5.408	-0.015	96	869980	8.00	7.83	
27 1,1-Dichloroethene	96	5.714	5.716	-0.002	96	969472	8.00	7.80	
29 2-Methyl-2-propanol	59	5.812	5.832	-0.020	94	1729850	8.00	8.39	
28 Acrylonitrile	53	5.827	5.826	0.001	94	769371	8.00	8.17	
30 1,1,2-Trichloro-1,2,2-trif	101	5.889	5.889	0.000	95	2185448	8.00	7.59	
31 Methylene Chloride	84	6.065	6.063	0.002	98	964215	8.00	8.03	
32 3-Chloro-1-propene	39	6.075	6.076	-0.001	99	794100	8.00	7.56	

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	6.215	6.218	-0.003	99	2950735	8.00	7.92	
34 trans-1,2-Dichloroethene	96	6.861	6.859	0.002	97	1004966	8.00	8.19	
35 2-Methylpentane	43	6.871	6.873	-0.002	94	1934336	8.00	7.97	
36 Methyl tert-butyl ether	73	6.975	6.989	-0.014	96	2377350	8.00	8.29	
37 1,1-Dichloroethane	63	7.285	7.280	0.005	100	1864545	8.00	7.63	
38 Vinyl acetate	43	7.383	7.385	-0.002	100	2745775	8.00	9.02	
39 2-Butanone (MEK)	72	7.822	7.832	-0.010	96	459705	8.00	8.46	
40 Hexane	56	7.848	7.848	0.000	89	735372	8.00	8.01	
41 Isopropyl ether	45	7.998	8.011	-0.013	99	3280525	8.00	8.32	
42 cis-1,2-Dichloroethene	96	8.262	8.259	0.003	95	1051184	8.00	8.21	
43 Ethyl acetate	43	8.437	8.446	-0.009	99	2280021	8.00	8.28	
44 Chloroform	83	8.608	8.601	0.007	97	2319314	8.00	7.70	
45 Tert-butyl ethyl ether	59	8.675	8.688	-0.013	95	2958694	8.00	8.62	
46 Tetrahydrofuran	42	8.985	9.005	-0.020	93	1048134	8.00	8.37	
47 1,1,1-Trichloroethane	97	9.626	9.623	0.003	97	2226667	8.00	7.94	
48 1,2-Dichloroethane	62	9.740	9.736	0.004	97	1438586	8.00	7.93	
49 n-Butanol	31	10.174	10.201	-0.027	88	367453	8.00	9.53	
50 Cyclohexane	69	10.226	10.229	-0.003	91	419218	8.00	8.50	
51 Benzene	78	10.231	10.231	0.000	97	2959608	8.00	7.94	
52 Carbon tetrachloride	117	10.257	10.253	0.004	97	2236066	8.00	8.31	
53 2,3-Dimethylpentane	71	10.350	10.351	-0.001	89	587746	8.00	8.31	
54 Thiophene	84	10.515	10.512	0.003	95	1741820	8.00	8.34	
55 Isooctane	57	11.006	11.005	0.001	98	4729216	8.00	8.35	
56 n-Heptane	71	11.394	11.392	0.002	90	936570	8.00	8.94	
57 1,2-Dichloropropane	63	11.482	11.478	0.004	93	1229183	8.00	8.05	
58 Trichloroethene	130	11.513	11.514	-0.001	95	1238898	8.00	8.13	
59 Dibromomethane	93	11.606	11.602	0.004	93	1497232	8.00	8.02	
60 Dichlorobromomethane	83	11.750	11.748	0.002	98	2474307	8.00	8.47	
61 1,4-Dioxane	88	11.756	11.770	-0.014	84	467421	8.00	8.61	
62 Methyl methacrylate	41	11.843	11.847	-0.004	96	1231161	8.00	8.96	
63 Methylcyclohexane	83	12.288	12.288	0.000	96	1717022	8.00	8.00	
64 4-Methyl-2-pentanone (MIBK	43	12.696	12.710	-0.014	97	2505241	8.00	9.44	
65 cis-1,3-Dichloropropene	75	12.763	12.764	-0.001	94	1842062	8.00	9.32	
66 trans-1,3-Dichloropropene	75	13.471	13.471	0.000	97	1757736	8.00	9.59	
67 Toluene	91	13.590	13.589	0.001	93	3618377	8.00	8.02	
68 1,1,2-Trichloroethane	83	13.673	13.670	0.003	96	1247689	8.00	7.74	
69 2-Hexanone	58	14.050	14.059	-0.009	93	1298399	8.00	9.22	
70 n-Octane	85	14.288	14.287	0.001	91	1032477	8.00	8.65	
71 Chlorodibromomethane	129	14.376	14.374	0.002	97	2569991	8.00	9.03	
72 Ethylene Dibromide	107	14.670	14.668	0.002	98	2320778	8.00	8.72	
73 Tetrachloroethene	129	14.743	14.739	0.004	94	1308529	8.00	7.95	
74 Chlorobenzene	112	15.621	15.622	-0.001	93	2899265	8.00	8.11	
75 2,3-Dimethylheptane	43	15.642	15.643	-0.001	94	3076901	8.00	7.62	
76 Ethylbenzene	91	15.911	15.911	0.000	99	4814622	8.00	8.68	
77 m-Xylene & p-Xylene	91	16.076	16.076	0.000	99	7590625	16.0	17.9	
78 n-Nonane	57	16.495	16.497	-0.002	89	2357236	8.00	8.65	
79 Bromoform	173	16.526	16.527	-0.001	93	2962933	8.00	10.1	
80 Styrene	104	16.541	16.541	0.000	99	2614749	8.00	8.05	
81 o-Xylene	91	16.603	16.601	0.002	98	3605048	8.00	8.23	
82 1,1,2,2-Tetrachloroethane	83	16.929	16.930	-0.001	98	3371779	8.00	8.02	
83 1,2,3-Trichloropropane	110	17.089	17.089	0.000	98	735160	8.00	7.93	
84 Isopropylbenzene	105	17.193	17.192	0.001	97	4953618	8.00	8.37	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	120	17.756	17.756	0.000	98	1356728	8.00	8.90	
86 2-Chlorotoluene	126	17.797	17.794	0.003	97	1244997	8.00	8.41	
87 4-Ethyltoluene	105	17.911	17.912	-0.001	99	5088580	8.00	8.72	
88 1,3,5-Trimethylbenzene	120	17.994	17.992	0.002	92	1964746	8.00	7.97	
89 Alpha Methyl Styrene	118	18.237	18.237	0.000	87	2176590	8.00	9.34	
90 n-Decane	57	18.299	18.299	0.000	90	3073620	8.00	8.05	
91 tert-Butylbenzene	119	18.438	18.439	-0.001	93	4558596	8.00	8.75	
92 1,2,4-Trimethylbenzene	105	18.454	18.454	0.000	96	4478253	8.00	8.63	
93 sec-Butylbenzene	105	18.723	18.722	0.000	98	6891856	8.00	9.22	
94 1,3-Dichlorobenzene	146	18.738	18.739	-0.001	99	3004392	8.00	8.77	
95 Benzyl chloride	91	18.821	18.817	0.004	97	4188193	8.00	9.56	
96 1,4-Dichlorobenzene	146	18.831	18.829	0.002	95	2882638	8.00	8.84	
97 4-Isopropyltoluene	119	18.893	18.894	-0.001	97	5134104	8.00	8.95	
98 1,2,3-Trimethylbenzene	105	18.950	18.948	0.002	99	4335946	8.00	8.39	
99 Butylcyclohexane	83	19.007	19.005	0.002	95	3621023	8.00	8.18	
100 1,2-Dichlorobenzene	146	19.208	19.205	0.003	82	3089904	8.00	8.94	
101 2,3-Dihydroindene	117	19.208	19.204	0.004	93	4466008	8.00	9.17	
102 Indene	116	19.343	19.340	0.003	90	4034180	8.00	9.28	
103 n-Butylbenzene	91	19.348	19.346	0.002	97	6141265	8.00	8.24	
104 Undecane	57	19.673	19.672	0.001	94	3932182	8.00	9.14	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.833	0.001	98	1871705	8.00	9.56	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	96	5440106	8.00	8.36	
107 Dodecane	57	20.764	20.765	-0.001	98	4031518	8.00	9.49	
108 1,2,4-Trichlorobenzene	180	20.966	20.966	0.000	93	2692423	8.00	12.5	
109 Naphthalene	128	21.115	21.111	0.004	99	5514360	8.00	11.2	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	91	2819544	8.00	9.48	
111 1,2,3-Trichlorobenzene	180	21.410	21.410	0.000	93	2361537	8.00	9.77	
112 2-Methylnaphthalene	142	22.061	22.062	-0.001	98	1960658	8.00	11.6	
113 1-Methylnaphthalene	142	22.190	22.191	-0.001	98	2166654	8.00	10.3	
A 115 C8 Range	1	14.288	(14.242-14.335)		0	9596132	8.00	8.60	
S 116 Xylenes, Total	100				0		24.0	26.2	
S 117 1,2-Dichloroethene, Total	1				0		16.0	16.4	

Reagents:

40L9DQP_00017	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

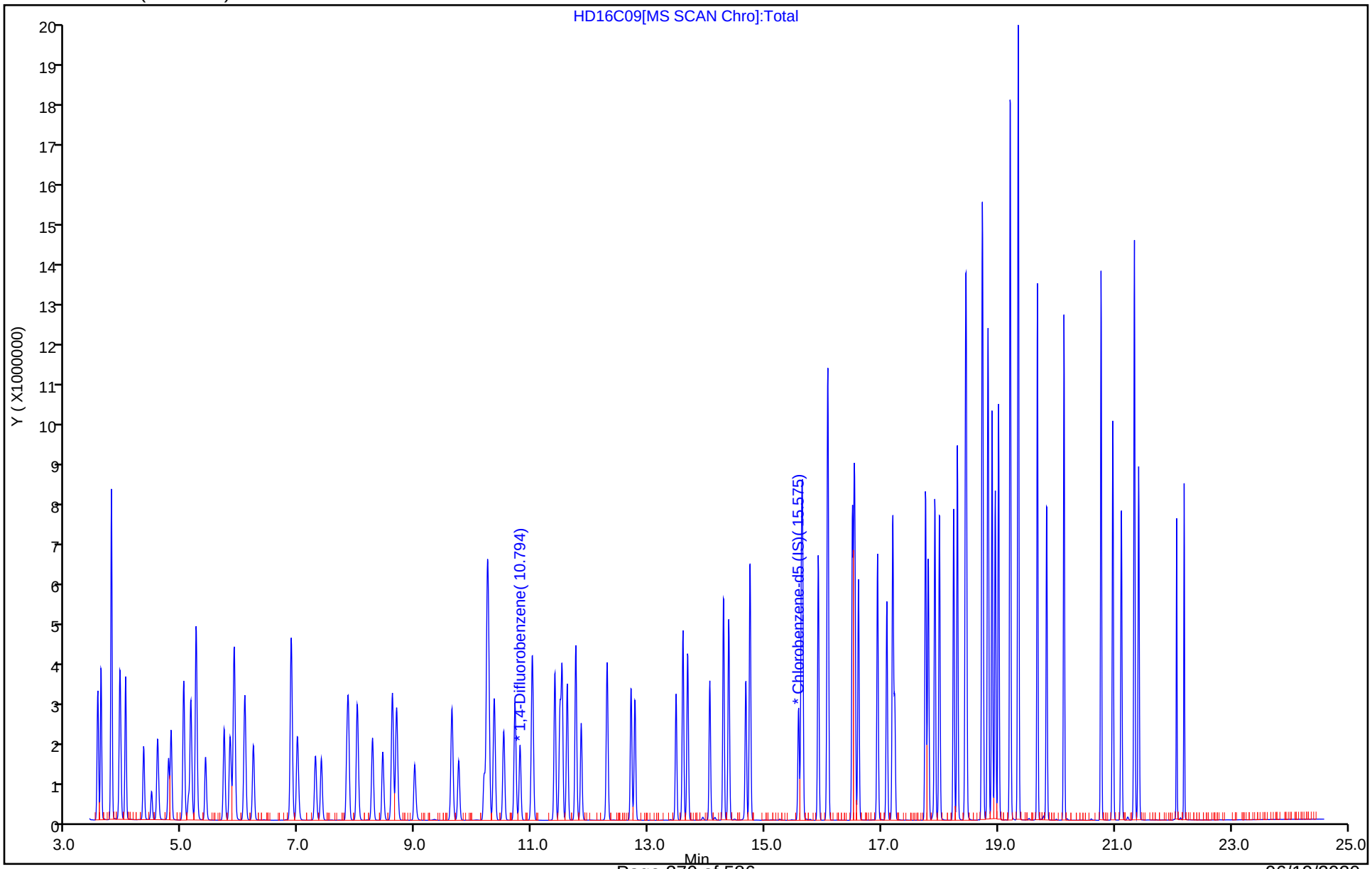
Report Date: 21-Apr-2020 10:48:59 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16C09.D

Injection Date:	16-Apr-2020 16:49:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	IC L9			Worklist Smp#:	13
Client ID:					
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)

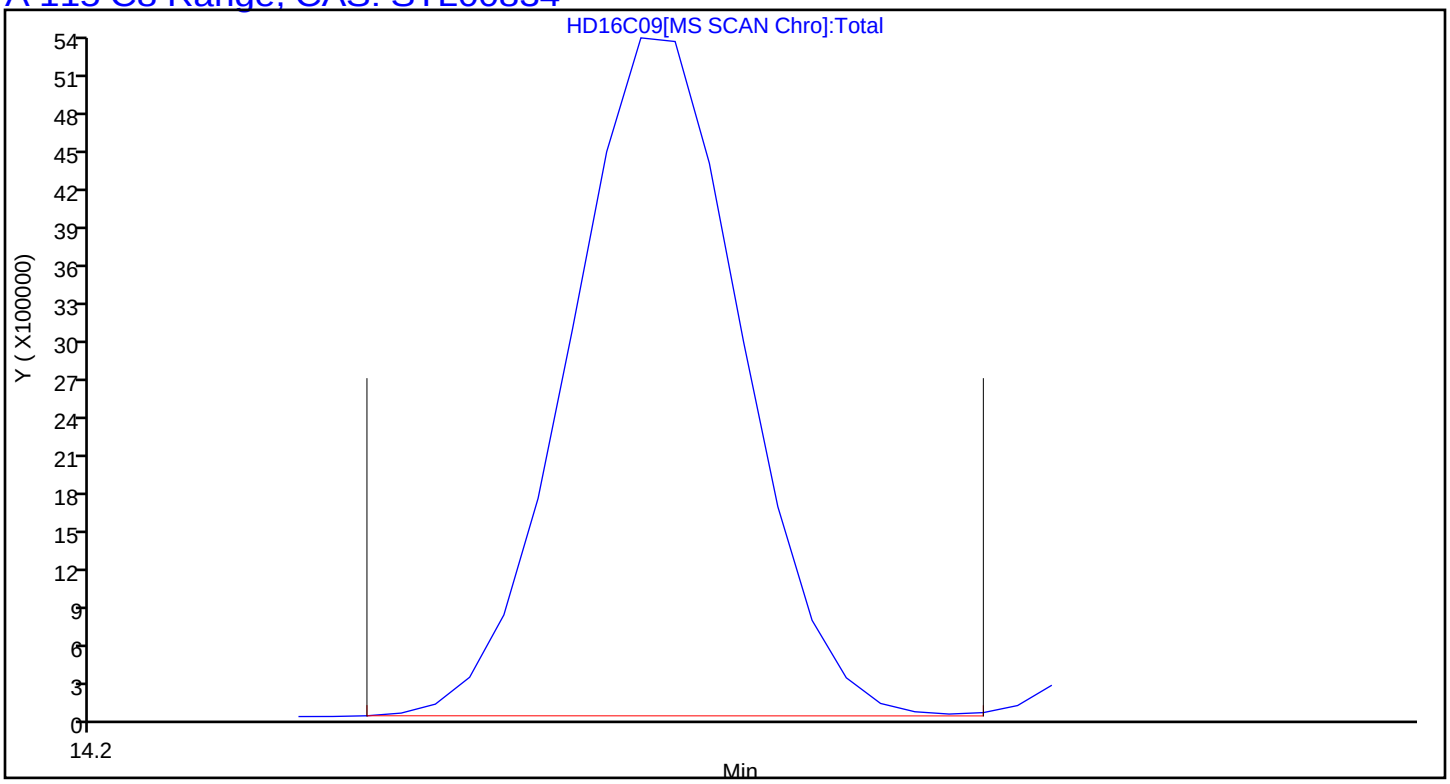


Report Date: 21-Apr-2020 10:48:59 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16C09.D				
Injection Date:	16-Apr-2020 16:49:30	Instrument ID:	MH		
Lims ID:	IC L9				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	7	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\20200416-15239.b\HD16IC10.D
Lims ID: IC L10
Client ID:
Sample Type: IC Calib Level: 10
Inject. Date: 16-Apr-2020 18:34:30 ALS Bottle#: 8 Worklist Smp#: 15
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015239-015
Misc. Info.: 297183
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Apr-2020 10:49:05 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: tajh Date: 20-Apr-2020 08:23:01

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	8.603	8.589	0.014	94	304684	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.805	10.792	0.013	95	1979586	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.572	0.003	87	1822536	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.229	17.222	0.007	91	1140026	4.00	3.73	
6 Chlorodifluoromethane	51	3.543	3.546	-0.003	96	4645992	16.0	14.5	
7 Propene	41	3.553	3.555	-0.002	99	1786636	16.0	15.1	
8 Dichlorodifluoromethane	85	3.605	3.606	-0.001	100	7021295	16.0	14.2	
9 Chloromethane	52	3.781	3.779	0.002	98	695361	16.0	12.9	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.786	3.785	0.001	94	4587553	16.0	13.9	
11 Acetaldehyde	44	3.931	3.930	0.001	96	3884148	80.0	64.7	
12 Vinyl chloride	62	3.946	3.945	0.001	99	2322657	16.0	13.1	
14 Butadiene	54	4.029	4.028	0.001	75	1733328	16.0	14.4	
13 Butane	43	4.029	4.028	0.001	82	2819645	16.0	13.5	
15 Bromomethane	94	4.339	4.337	0.002	98	2680699	16.0	14.4	
16 Chloroethane	64	4.479	4.473	0.006	95	1117601	16.0	14.9	
17 Ethanol	31	4.587	4.571	0.016	91	4024711	80.0	74.1	
18 Vinyl bromide	106	4.768	4.763	0.005	97	2449170	16.0	14.6	
19 2-Methylbutane	43	4.809	4.806	0.003	89	2179006	16.0	14.2	
20 Trichlorofluoromethane	101	5.026	5.022	0.004	100	6259604	16.0	14.1	
21 Acrolein	56	5.042	5.037	0.005	92	770263	16.0	14.9	
22 Acetonitrile	40	5.114	5.116	-0.002	99	876291	16.0	14.7	
23 Acetone	58	5.150	5.154	-0.004	97	2840455	48.0	41.4	
25 Isopropyl alcohol	45	5.254	5.241	0.013	95	8062272	48.0	48.0	
24 Pentane	72	5.243	5.236	0.007	98	283032	16.0	14.8	
26 Ethyl ether	31	5.404	5.408	-0.004	93	1865787	16.0	14.1	
27 1,1-Dichloroethene	96	5.724	5.716	0.008	97	2234722	16.0	15.1	
29 2-Methyl-2-propanol	59	5.827	5.832	-0.005	94	3874874	16.0	15.7	
28 Acrylonitrile	53	5.838	5.826	0.012	94	1688190	16.0	15.0	
30 1,1,2-Trichloro-1,2,2-trif	101	5.895	5.889	0.006	94	4903021	16.0	14.3	
31 Methylene Chloride	84	6.076	6.063	0.013	96	2087076	16.0	15.1	

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	6.086	6.076	0.010	98	1680097	16.0	13.4	
33 Carbon disulfide	76	6.225	6.218	0.007	98	6586980	16.0	14.8	
34 trans-1,2-Dichloroethene	96	6.871	6.859	0.012	97	2341906	16.0	16.0	
35 2-Methylpentane	43	6.882	6.873	0.009	95	4230295	16.0	14.6	
36 Methyl tert-butyl ether	73	6.980	6.989	-0.009	96	5377846	16.0	15.7	
37 1,1-Dichloroethane	63	7.295	7.280	0.015	100	4207742	16.0	14.4	
38 Vinyl acetate	43	7.394	7.385	0.009	100	6112232	16.0	16.8	
39 2-Butanone (MEK)	72	7.833	7.832	0.001	97	1059600	16.0	16.3	
40 Hexane	56	7.853	7.848	0.005	83	1664785	16.0	15.2	
41 Isopropyl ether	45	8.009	8.011	-0.002	99	7257936	16.0	15.4	
42 cis-1,2-Dichloroethene	96	8.272	8.259	0.013	95	2404412	16.0	15.7	
43 Ethyl acetate	43	8.448	8.446	0.002	99	5058973	16.0	15.4	
44 Chloroform	83	8.618	8.601	0.017	97	5266742	16.0	14.6	
45 Tert-butyl ethyl ether	59	8.686	8.688	-0.002	95	6705595	16.0	16.4	
46 Tetrahydrofuran	42	8.991	9.005	-0.014	92	2325299	16.0	15.6	
47 1,1,1-Trichloroethane	97	9.637	9.623	0.014	96	5228667	16.0	15.6	
48 1,2-Dichloroethane	62	9.750	9.736	0.014	97	3239207	16.0	15.5	
49 n-Butanol	31	10.190	10.201	-0.011	83	823377	16.0	18.5	
50 Cyclohexane	69	10.236	10.229	0.007	94	984941	16.0	17.3	
51 Benzene	78	10.246	10.231	0.015	97	6814294	16.0	15.8	
52 Carbon tetrachloride	117	10.262	10.253	0.009	97	5348449	16.0	17.2	
53 2,3-Dimethylpentane	71	10.360	10.351	0.009	89	1323627	16.0	16.2	
54 Thiophene	84	10.526	10.512	0.014	95	3939750	16.0	16.3	
55 Isooctane	57	11.011	11.005	0.006	99	10844560	16.0	16.6	
56 n-Heptane	71	11.399	11.392	0.007	89	2204310	16.0	18.2	
57 1,2-Dichloropropane	63	11.487	11.478	0.009	94	2802753	16.0	15.9	
58 Trichloroethene	130	11.523	11.514	0.009	95	2898833	16.0	16.5	
59 Dibromomethane	93	11.611	11.602	0.009	95	3408707	16.0	15.8	
60 Dichlorobromomethane	83	11.756	11.748	0.008	98	5771198	16.0	17.1	
61 1,4-Dioxane	88	11.761	11.770	-0.009	81	1048208	16.0	16.7	
62 Methyl methacrylate	41	11.854	11.847	0.007	97	2711034	16.0	17.1	
63 Methylcyclohexane	83	12.293	12.288	0.005	96	4057821	16.0	16.3	
64 4-Methyl-2-pentanone (MIBK	43	12.707	12.710	-0.003	96	5681206	16.0	18.5	
65 cis-1,3-Dichloropropene	75	12.774	12.764	0.010	93	4235824	16.0	18.6	
66 trans-1,3-Dichloropropene	75	13.477	13.471	0.006	97	4155320	16.0	19.1	
67 Toluene	91	13.596	13.589	0.007	93	8442824	16.0	15.8	
68 1,1,2-Trichloroethane	83	13.673	13.670	0.003	97	2833954	16.0	14.8	
69 2-Hexanone	58	14.056	14.059	-0.003	93	3099705	16.0	18.6	
70 n-Octane	85	14.293	14.287	0.006	90	2492358	16.0	17.6	
71 Chlorodibromomethane	129	14.381	14.374	0.007	97	6305124	16.0	18.7	
72 Ethylene Dibromide	107	14.676	14.668	0.008	98	5488598	16.0	17.4	
73 Tetrachloroethene	129	14.743	14.739	0.004	95	3173034	16.0	16.3	
74 Chlorobenzene	112	15.627	15.622	0.005	93	7013464	16.0	16.5	
75 2,3-Dimethylheptane	43	15.647	15.643	0.004	95	6326673	16.0	13.2	
76 Ethylbenzene	91	15.916	15.911	0.005	98	11387475	16.0	17.3	
77 m-Xylene & p-Xylene	91	16.082	16.076	0.006	98	17159700	32.0	34.2	
78 n-Nonane	57	16.500	16.497	0.003	85	5410526	16.0	16.7	
79 Bromoform	173	16.531	16.527	0.004	93	7282003	16.0	21.0	
80 Styrene	104	16.547	16.541	0.006	99	6065693	16.0	15.7	
81 o-Xylene	91	16.609	16.601	0.008	98	8412759	16.0	16.2	
82 1,1,2,2-Tetrachloroethane	83	16.934	16.930	0.004	98	8021948	16.0	16.1	
83 1,2,3-Trichloropropane	110	17.095	17.089	0.006	99	1810615	16.0	16.5	

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	17.193	17.192	0.001	97	11862116	16.0	16.9	
85 N-Propylbenzene	120	17.756	17.756	0.000	99	3414296	16.0	18.9	e
86 2-Chlorotoluene	126	17.756	17.794	-0.038	97	2385342	16.0	13.6	e
87 4-Ethyltoluene	105	17.916	17.912	0.004	98	12406817	16.0	17.9	
88 1,3,5-Trimethylbenzene	120	17.994	17.992	0.002	92	4841639	16.0	16.5	
89 Alpha Methyl Styrene	118	18.242	18.237	0.005	88	5590147	16.0	20.2	
90 n-Decane	57	18.304	18.299	0.005	89	6994366	16.0	15.4	
91 tert-Butylbenzene	119	18.443	18.439	0.004	88	11074891	16.0	17.9	
92 1,2,4-Trimethylbenzene	105	18.459	18.454	0.005	96	10416980	16.0	16.9	
93 sec-Butylbenzene	105	18.723	18.722	0.001	97	14975296	16.0	16.9	e
94 1,3-Dichlorobenzene	146	18.743	18.739	0.004	99	7154411	16.0	17.6	
95 Benzyl chloride	91	18.826	18.817	0.009	98	10405686	16.0	20.0	
96 1,4-Dichlorobenzene	146	18.836	18.829	0.007	94	7027867	16.0	18.2	
97 4-Isopropyltoluene	119	18.898	18.894	0.004	96	12159293	16.0	17.9	
98 1,2,3-Trimethylbenzene	105	18.955	18.948	0.007	98	10341419	16.0	16.9	
99 Butylcyclohexane	83	19.012	19.005	0.007	96	8295437	16.0	15.8	
100 1,2-Dichlorobenzene	146	19.214	19.205	0.009	83	7182845	16.0	17.5	
101 2,3-Dihydroindene	117	19.208	19.204	0.004	94	9985831	16.0	17.3	
102 Indene	116	19.343	19.340	0.003	92	9089023	16.0	17.6	
103 n-Butylbenzene	91	19.353	19.346	0.007	98	12406646	16.0	14.0	
104 Undecane	57	19.674	19.672	0.002	92	8272907	16.0	16.2	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.833	0.001	97	4909704	16.0	21.1	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	96	12395752	16.0	16.0	e
107 Dodecane	57	20.769	20.765	0.004	98	8228196	16.0	16.3	
108 1,2,4-Trichlorobenzene	180	20.971	20.966	0.005	93	6648419	16.0	26.0	
109 Naphthalene	128	21.116	21.111	0.005	99	13023599	16.0	22.4	e
110 Hexachlorobutadiene	225	21.338	21.338	0.000	92	6122575	16.0	17.3	
111 1,2,3-Trichlorobenzene	180	21.415	21.410	0.005	93	5464745	16.0	19.1	
112 2-Methylnaphthalene	142	22.061	22.062	-0.001	99	3840400	16.0	19.2	
113 1-Methylnaphthalene	142	22.191	22.191	0.000	99	3851176	16.0	15.5	
A 115 C8 Range	1	14.293	(14.242-14.335)		0	21890779	16.0	17.0	
S 116 Xylenes, Total	100				0		48.0	50.4	
S 117 1,2-Dichloroethene, Total	1				0		32.0	31.7	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Reagents:

40L10DQP_00017	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

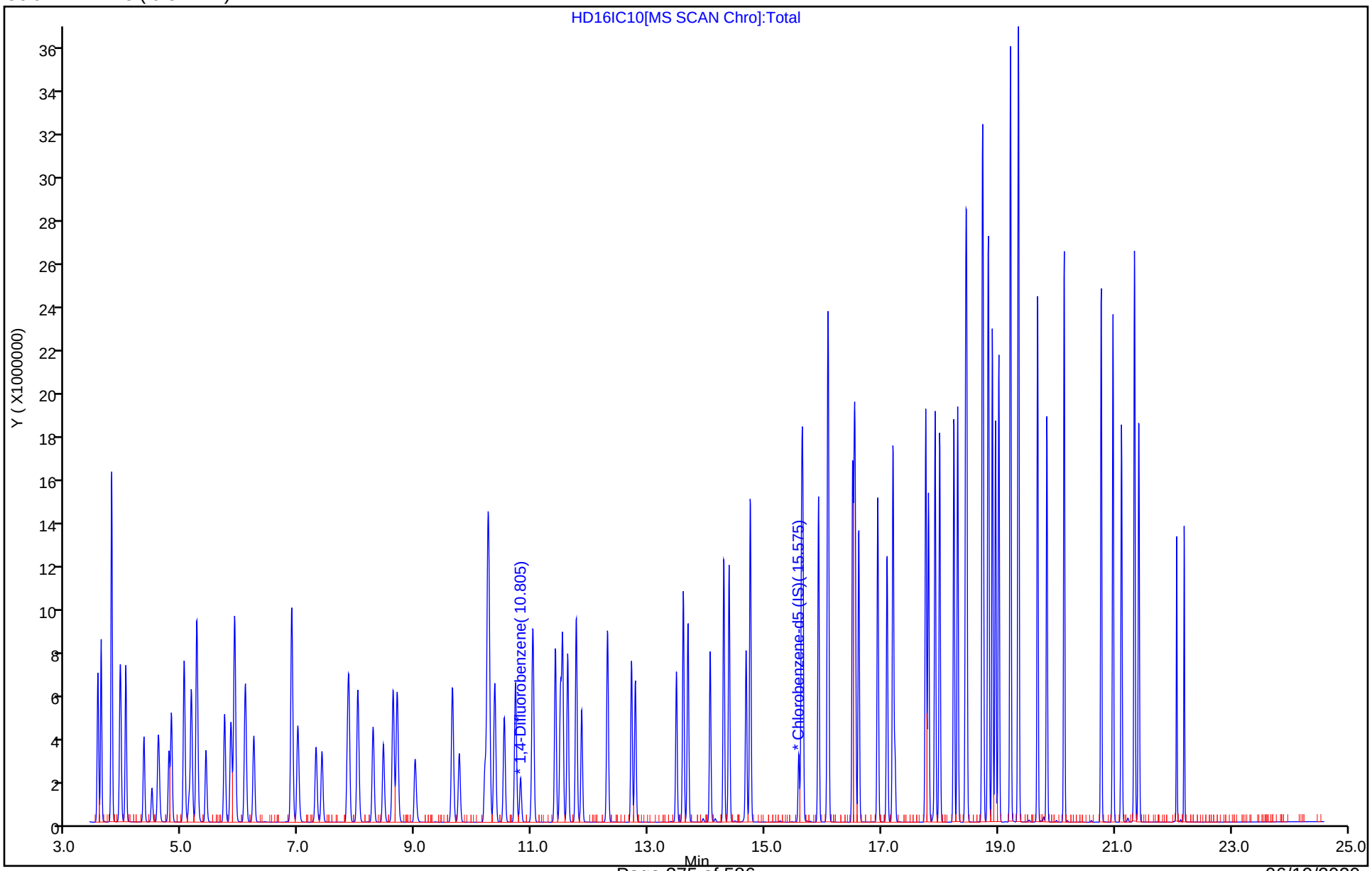
Report Date: 21-Apr-2020 10:49:06 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Injection Date:	16-Apr-2020 18:34:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	IC L10			Worklist Smp#:	15
Client ID:					
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)

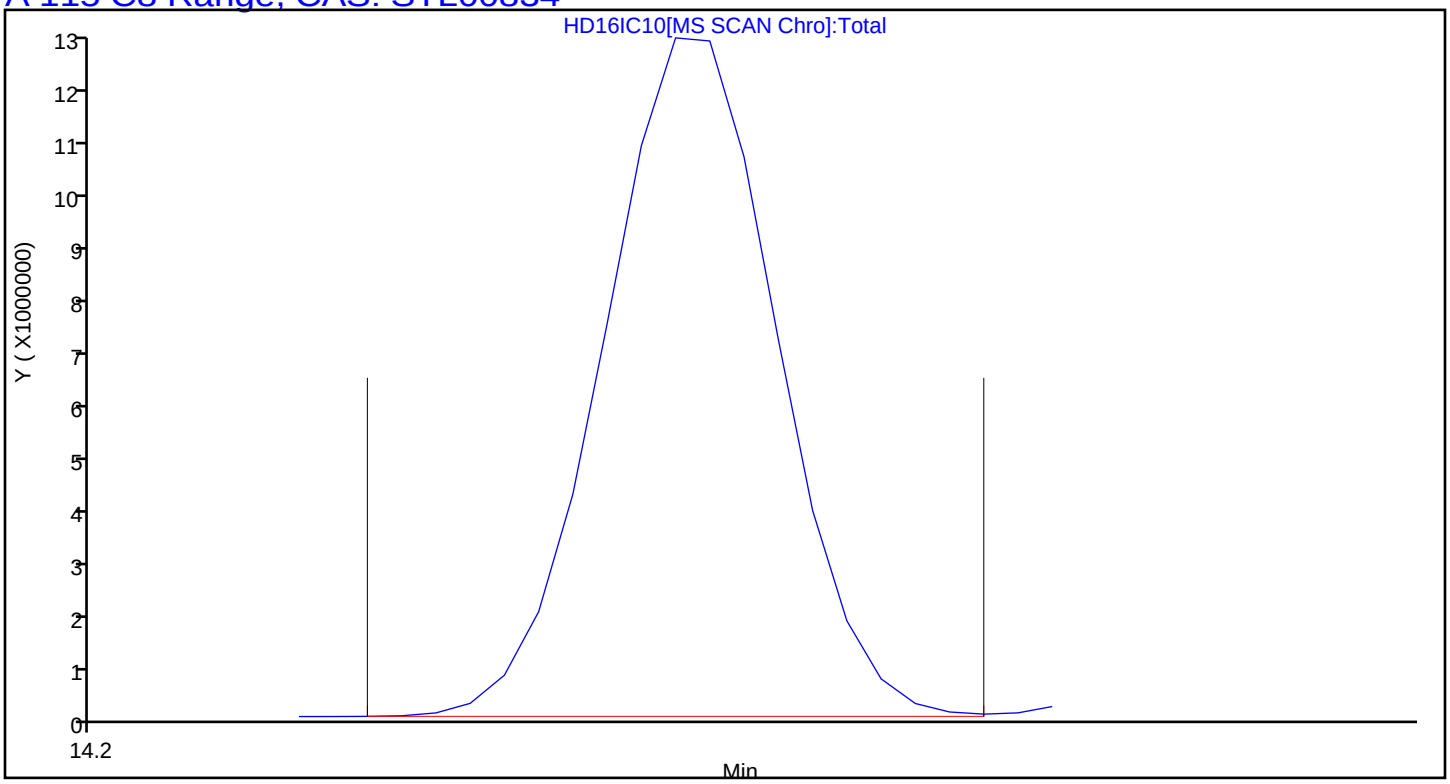


Report Date: 21-Apr-2020 10:49:06 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D				
Injection Date:	16-Apr-2020 18:34:30	Instrument ID:	MH		
Lims ID:	IC L10				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	8	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



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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-39590/16	RE13IC01.D
Level 2	IC 140-39590/15	RE13IC02.D
Level 3	IC 140-39590/14	RE13IC03.D
Level 4	IC 140-39590/13	RE13IC04.D
Level 5	IC 140-39590/12	RE13IC05.D
Level 6	IC 140-39590/11	RE13IC06.D
Level 7	ICIS 140-39590/22	RE13TEST.D
Level 8	IC 140-39590/8	RE13IC08.D
Level 9	IC 140-39590/6	RE13IC09.D
Level 10	IC 140-39590/4	RE13IC10.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	+++++ 2.2608	+++++ 2.0083	2.2779 1.8708	2.2100 1.8269	1.9318 1.8132	Ave		2.0250				9.7		30.0			
Propene	+++++ 2.0607	+++++ 1.6193	+++++ 1.2471	+++++ 1.1455	+++++ 1.0745	Lin1	1.0935	1.0057							0.9990		0.9900
Freon 12	+++++ 2.1042	2.9939 2.0596	2.4961 1.8123	2.2163 1.8559	2.2432 1.6787	Ave		2.1622				18.5		30.0			
Chloromethane	+++++ 0.4018	+++++ 0.4079	+++++ 0.3269	0.4927 0.3557	0.5251 0.3471	Ave		0.4082				18.4		30.0			
Freon-114	+++++ 2.0210	3.0769 2.0159	2.1433 1.7240	1.9131 1.9913	2.2626 +++++	Ave		2.1435				19.1		30.0			
Vinyl chloride	+++++ 1.8997	1.9675 1.7753	1.9186 1.4951	1.5849 1.6484	1.8163 1.6186	Ave		1.7472				9.6		30.0			
Butane	+++++ 2.8918	+++++ 2.7061	+++++ 2.2705	2.8663 2.3452	2.7826 2.4128	Ave		2.6108				10.0		30.0			
1,3-Butadiene	+++++ 1.2887	+++++ 1.3238	+++++ 1.0928	1.1143 1.1375	1.2111 1.1732	Ave		1.1916				7.4		30.0			
Bromomethane	+++++ 2.1012	+++++ 2.0753	2.5370 1.7458	2.1030 1.8316	2.1506 1.8178	Ave		2.0453				12.4		30.0			
Chloroethane	+++++ 0.9489	+++++ 0.9294	1.1127 0.8091	1.0861 0.8191	0.8434 0.8004	Ave		0.9186				13.5		30.0			
Ethanol	+++++ 1.1504	+++++ 1.2697	0.8318 1.0624	1.0743 1.1144	1.1342 1.1162	Ave		1.0942				11.3		30.0			
Vinyl bromide	+++++ 2.3315	+++++ 2.4275	2.3382 1.9728	2.1787 2.1196	2.1926 2.0882	Ave		2.2061				6.8		30.0			
2-Methylbutane	+++++ 2.1762	+++++ 2.3214	+++++ 1.9018	2.2354 1.8693	2.0181 1.8655	Ave		2.0554				9.2		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.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

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								
Freon 11	4.8696 5.3917	4.9991 5.5181	5.1848 4.7870	5.0394 5.1637	5.1681 5.1268	Ave		5.1248				4.3		30.0			
Acrolein	+++++ 0.3884	+++++ 0.3509	+++++ 0.3539	+++++ 0.3733	0.4331 0.3797	Ave		0.3799				7.9		30.0			
Acetonitrile	+++++ 0.4939	+++++ 0.6652	+++++ 0.5843	+++++ 0.5576	0.5652 0.5786	Ave		0.5741				9.6		30.0			
Acetone	+++++ 0.6846	+++++ 0.7488	+++++ 0.6038	1.0470 0.5832	0.7459 0.5872	Ave		0.7144				22.8		30.0			
Pentane	+++++ 0.2835	+++++ 0.2822	+++++ 0.2366	0.2848 0.2451	0.3389 0.2558	Ave		0.2753				12.4		30.0			
2-Propanol	+++++ 1.9577	+++++ 2.0293	+++++ 1.8393	1.9866 1.8025	2.0342 1.8155	Ave		1.9236				5.3		30.0			
Ethyl ether	+++++ 2.0613	+++++ 2.1266	2.0627 1.9067	2.3070 1.8228	1.9053 1.8185	Ave		2.0014				8.4		30.0			
1,1-Dichloroethene	+++++ 1.5522	1.9488 1.5504	1.8204 1.5121	1.6403 1.4426	1.6930 1.4453	Ave		1.6228				10.6		30.0			
Acrylonitrile	+++++ 0.6824	+++++ 0.7220	+++++ 0.6994	0.7057 0.7095	0.5957 0.7399	Ave		0.6935				6.7		30.0			
tert-Butyl alcohol	+++++ 2.4905	+++++ 2.5720	+++++ 2.4149	2.6296 2.3336	2.4350 2.3181	Ave		2.4562				4.7		30.0			
Freon 113	3.2789 3.6143	3.4460 3.6844	3.7462 3.3936	3.9484 3.3479	3.4139 3.4694	Ave		3.5343				5.9		30.0			
Methylene Chloride	+++++ 2.0841	+++++ 1.7422	+++++ 1.3974	+++++ 1.2427	3.4762 1.2405	Lin2	0.9202	1.1833							0.9970		0.9900
3-Chloropropene	+++++ 1.5667	+++++ 1.5174	1.6151 1.4080	1.7782 1.4126	1.5486 1.4224	Ave		1.5336				8.2		30.0			
Carbon disulfide	+++++ 4.2382	+++++ 4.2177	+++++ 4.0044	4.5452 3.8548	4.2495 3.7854	Ave		4.1279				6.4		30.0			
trans-1,2-Dichloroethene	+++++ 1.5072	1.7565 1.5160	1.5478 1.4841	1.5147 1.4665	1.5634 1.5132	Ave		1.5410				5.6		30.0			
2-Methylpentane	+++++ 3.1061	+++++ 3.2330	3.4097 2.8860	3.2123 2.7961	3.0447 2.8230	Ave		3.0639				7.1		30.0			
Methyl tert-butyl ether	+++++ 3.9621	+++++ 3.8000	+++++ 3.6135	4.0669 3.4978	3.8532 3.4614	Ave		3.7507				6.2		30.0			
1,1-Dichloroethane	+++++ 2.4517	2.8775 2.5610	2.3537 2.3261	2.6878 2.1812	2.3606 2.1667	Ave		2.4407				9.6		30.0			
Vinyl acetate	+++++ 3.4286	+++++ 3.7538	+++++ 3.5380	3.3982 3.5137	3.5115 3.6181	Ave		3.5374				3.4		30.0			
2-Butanone	+++++ 0.6684	+++++ 0.7196	+++++ 0.6355	0.8937 0.6484	0.6898 0.6451	Ave		0.7001				12.9		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

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	+++++ 0.9172	+++++ 0.9737	+++++ 0.8257	0.9383 0.8003	0.9162 0.8309	Ave		0.8861				7.5		30.0			
cis-1,2-Dichloroethene	+++++ 1.5578	1.5971 1.6241	1.5209 1.5359	1.3989 1.4930	1.4930 1.5150	Ave		1.5262				4.3		30.0			
Ethyl acetate	+++++ 3.2360	+++++ 3.4873	2.7287 3.1679	3.1768 3.0559	3.0932 3.1206	Ave		3.1333				6.7		30.0			
Chloroform	+++++ 3.2699	3.0201 3.2975	3.1585 3.1246	3.1054 2.9840	3.0738 3.0008	Ave		3.1149				3.6		30.0			
Tetrahydrofuran	+++++ 1.5543	+++++ 1.6176	+++++ 1.4943	0.8439 1.4373	1.6707 1.4448	Ave		1.4376				19.2		30.0			
1,1,1-Trichloroethane	4.0381 3.3275	4.2108 3.3447	3.3612 3.2944	3.1751 3.2111	3.1817 3.2686	Ave		3.4413				10.7		30.0			
1,2-Dichloroethane	+++++ 0.2585	+++++ 0.2584	0.2801 0.2545	0.2478 0.2572	0.2407 0.2630	Ave		0.2575				4.5		30.0			
1-Butanol	+++++ 0.1395	+++++ 0.1408	+++++ 0.1397	+++++ 0.1414	0.1171 0.1519	Ave		0.1384				8.3		30.0			
Cyclohexane	+++++ 0.0880	+++++ 0.0939	+++++ 0.0895	0.0837 0.0958	0.1020 0.1011	Ave		0.0934				7.3		30.0			
Benzene	+++++ 0.6169	0.7084 0.6354	0.6627 0.6169	0.6112 0.6395	0.5789 0.6958	Ave		0.6406				6.5		30.0			
Carbon tetrachloride	0.5559 0.4880	0.5467 0.4336	0.4590 0.5732	0.5429 0.5919	0.5346 0.6584	Ave		0.5384				12.2		30.0			
2,3-Dimethylpentane	+++++ 0.1460	+++++ 0.1352	0.1650 0.1332	0.1355 0.1324	0.1390 0.1395	Ave		0.1407				7.6		30.0			
Thiophene	+++++ 0.3272	+++++ 0.3492	0.3020 0.3330	0.3261 0.3403	0.3320 0.3530	Ave		0.3329				4.8		30.0			
2,2,4-Trimethylpentane	+++++ 0.8015	0.8420 0.8062	0.7467 0.7756	0.7369 0.7816	0.7532 0.8221	Ave		0.7851				4.6		30.0			
Heptane	+++++ 0.2100	+++++ 0.2081	0.1896 0.2035	0.1985 0.2064	0.1893 0.2180	Ave		0.2029				4.9		30.0			
1,2-Dichloropropane	+++++ 0.2268	+++++ 0.2362	0.1986 0.2211	0.2348 0.2233	0.2213 0.2362	Ave		0.2248				5.5		30.0			
Trichloroethene	0.2411 0.3413	0.3913 0.3350	0.3458 0.3363	0.3093 0.3467	0.3247 0.3821	Ave		0.3353				12.3		30.0			
Dibromomethane	+++++ 0.3038	+++++ 0.3040	0.2842 0.2968	0.3023 0.3167	0.2708 0.3359	Ave		0.3018				6.5		30.0			
Bromodichloromethane	+++++ 0.4790	0.4856 0.4936	0.4888 0.4982	0.4603 0.5180	0.4483 0.5740	Ave		0.4940				7.3		30.0			
1,4-Dioxane	+++++ 0.0940	+++++ 0.1034	+++++ 0.1040	0.1026 0.1007	0.0978 0.1093	Ave		0.1017				4.8		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

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	+++++ 0.2607	+++++ 0.2707	+++++ 0.2704	0.2601 0.2813	0.2628 0.2966	Ave		0.2718				4.9		30.0			
Methylcyclohexane	+++++ 0.3628	+++++ 0.3606	0.3603 0.3513	0.2982 0.3595	0.3311 0.3900	Ave		0.3517				7.7		30.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.5376	+++++ 0.5345	+++++ 0.5195	0.4103 0.5336	0.4969 0.5799	Ave		0.5160				10.2		30.0			
cis-1,3-Dichloropropene	+++++ 0.3385	+++++ 0.3645	0.3122 0.3602	0.3164 0.3710	0.3133 0.4029	Ave		0.3474				9.4		30.0			
trans-1,3-Dichloropropene	+++++ 0.3615	+++++ 0.3795	0.3042 0.3797	0.3528 0.4007	0.3339 0.4153	Ave		0.3659				9.8		30.0			
Toluene	0.9589 0.8719	0.8303 0.9110	0.9036 0.8842	0.8170 0.9251	0.8935 0.9675	Ave		0.8963				5.5		30.0			
1,1,2-Trichloroethane	+++++ 0.2711	+++++ 0.2858	0.2824 0.2698	0.3166 0.2841	0.2578 0.2935	Ave		0.2826				6.3		30.0			
2-Hexanone	+++++ 0.2687	+++++ 0.2552	+++++ 0.2706	0.2227 0.2758	0.2364 0.2868	Ave		0.2595				8.8		30.0			
C8 Range	+++++ 2.0482	+++++ 2.1677	+++++ 2.0904	2.2957 2.1650	1.9507 2.4481	Ave		2.1666				7.6		30.0			
Octane	+++++ 0.2543	+++++ 0.2662	+++++ 0.2637	0.2646 0.2694	0.2492 0.3002	Ave		0.2668				6.1		30.0			
Dibromochloromethane	+++++ 0.6207	+++++ 0.6619	0.5446 0.7191	0.5735 0.7614	0.6165 0.8736	Ave		0.6714				16.2		30.0			
1,2-Dibromoethane	+++++ 0.5141	+++++ 0.5348	0.4817 0.5359	0.5057 0.5631	0.4659 0.6260	Ave		0.5284				9.5		30.0			
Tetrachloroethene	+++++ 0.3490	0.3497 0.3593	0.3338 0.3703	0.3621 0.3907	0.3604 0.4404	Ave		0.3684				8.5		30.0			
Chlorobenzene	+++++ 0.7356	+++++ 0.7710	0.7329 0.7534	0.7298 0.8095	0.7320 0.9125	Ave		0.7721				8.2		30.0			
Ethylbenzene	+++++ 1.1379	1.1823 1.2222	1.0646 1.2168	1.0773 1.2543	1.1360 1.3925	Ave		1.1871				8.5		30.0			
m-Xylene & p-Xylene	+++++ 0.9008	0.7953 0.9336	0.8864 0.9570	0.8821 1.0411	0.8847 1.2263	Ave		0.9452				13.2		30.0			
Nonane	+++++ 0.4019	+++++ 0.4169	0.3922 0.4294	0.3827 0.4737	0.3812 0.5653	Ave		0.4304				14.5		30.0			
Bromoform	+++++ 0.5484	+++++ 0.5891	0.4539 0.7185	0.4091 +++++	0.4921 +++++	Ave		0.5352				20.6		30.0			
Styrene	+++++ 0.6200	+++++ 0.6933	0.5211 0.7079	0.5619 0.7898	0.5594 0.9367	Ave		0.6737				20.7		30.0			
o-Xylene	+++++ 0.9028	+++++ 0.9626	0.9297 0.9845	0.9496 1.0327	0.9161 1.1145	Ave		0.9741				7.2		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.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

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	+++++ 0.7161	+++++ 0.7708	0.6785 0.7874	0.7691 0.8237	0.7067 0.8966	Ave		0.7686				9.1		30.0			
1,2,3-Trichloropropane	+++++ 0.2063	+++++ 0.2251	0.1981 0.2299	0.2183 0.2417	0.2188 0.2617	Ave		0.2250				8.9		30.0			
Cumene	+++++ 1.3805	+++++ 1.4615	1.4924 1.5021	1.3477 1.6352	1.3565 1.8140	Ave		1.4987				10.6		30.0			
Propylbenzene	+++++ 0.3802	+++++ 0.4079	0.3866 0.4222	0.3321 0.4599	0.3704 0.5367	Ave		0.4120				15.3		30.0			
2-Chlorotoluene	+++++ 0.3668	+++++ 0.4096	0.4577 0.4298	0.3864 0.4670	0.3706 0.5269	Ave		0.4269				12.9		30.0			
4-Ethyltoluene	+++++ 1.3137	+++++ 1.4531	+++++ 1.5243	1.3242 1.6540	1.2876 1.9381	Ave		1.4993				15.6		30.0			
1,3,5-Trimethylbenzene	+++++ 0.5717	+++++ 0.6054	0.6077 0.6309	0.5665 0.7009	0.5498 0.8224	Ave		0.6319				14.3		30.0			
Alpha Methyl Styrene	+++++ 0.5410	+++++ 0.5857	+++++ 0.6478	0.4402 0.7396	0.4514 +++++	Ave		0.5676				20.4		30.0			
Decane	+++++ 0.5182	+++++ 0.5721	+++++ 0.6113	0.5485 0.6543	0.5177 0.7375	Ave		0.5942				13.5		30.0			
tert-Butylbenzene	+++++ 1.2331	+++++ 1.3400	+++++ 1.4601	1.2670 1.7087	1.2347 +++++	Ave		1.3739				13.5		30.0			
1,2,4-Trimethylbenzene	+++++ 1.1807	+++++ 1.2805	1.1195 1.3663	1.1482 1.6143	1.0926 +++++	Ave		1.2574				14.7		30.0			
sec-Butylbenzene	+++++ 1.7644	+++++ 1.9037	1.7247 2.1100	1.7266 2.4717	1.6574 +++++	Ave		1.9084				15.3		30.0			
1,3-Dichlorobenzene	+++++ 0.8559	+++++ 0.9152	0.8242 1.0226	0.7627 1.2677	0.8100 +++++	Ave		0.9226				18.9		30.0			
alpha-Chlorotoluene	+++++ 0.9007	+++++ 1.0073	0.7665 1.0851	0.6598 +++++	0.8011 +++++	Ave		0.8701				18.2		30.0			
1,4-Dichlorobenzene	+++++ 0.8415	0.7600 0.8967	0.8065 0.9943	0.7545 1.2018	0.7427 +++++	Ave		0.8747				18.0		30.0			
4-Isopropyltoluene	+++++ 1.4672	+++++ 1.5722	1.3812 1.7043	1.3965 1.9552	1.3781 +++++	Ave		1.5507				13.9		30.0			
1,2,3-Trimethylbenzene	1.2222 1.1868	1.1541 1.2751	1.2368 1.3761	1.2683 1.4980	1.1213 +++++	Ave		1.2599				9.2		30.0			
1,2-Dichlorobenzene	+++++ 0.8594	0.8231 0.9070	0.8134 1.0411	0.9036 1.2897	0.8329 +++++	Ave		0.9338				17.3		30.0			
Indane	+++++ 1.1376	+++++ 1.2615	1.1790 1.4142	1.0791 1.6966	1.0734 +++++	Ave		1.2631				17.8		30.0			
Indene	+++++ 0.9620	+++++ 1.0873	0.8998 1.1996	0.8343 +++++	0.8567 +++++	Ave		0.9733				14.7		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.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

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								
Butylbenzene	+++++ 1.4613	+++++ 1.6230	1.2804 1.7485	1.3843 2.0353	1.3431 +++++	Ave		1.5537				17.2		30.0			
Undecane	+++++ 0.6424	+++++ 0.7073	+++++ 0.7650	0.5503 0.8511	0.5470 1.0097	Ave		0.7247				23.1		30.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.4083	+++++ 0.4736	0.2957 0.5064	0.2848 0.6016	0.3679 +++++	Ave		0.4198				27.5		30.0			
1,2,4,5-Tetramethylbenzene	+++++ 1.3728	+++++ 1.5023	1.1831 1.6325	1.2709 1.8327	1.3018 +++++	Ave		1.4423				15.8		30.0			
Dodecane	+++++ 0.5801	+++++ 0.7454	+++++ 0.8173	+++++ 0.9094	0.4455 +++++	Ave		0.6996				26.6		30.0			
1,2,4-Trichlorobenzene	+++++ 0.5632	+++++ 0.6536	0.5642 0.6736	0.5107 0.7775	0.5199 +++++	Ave		0.6090				15.9		30.0			
Naphthalene	+++++ 1.5769	1.0523 1.6136	1.6177 1.6303	1.0304 1.7300	1.5316 1.8942	Ave		1.5197				19.1		30.0			
Hexachlorobutadiene	+++++ 0.5783	+++++ 0.6317	0.5675 0.6851	0.6198 0.8371	0.5313 +++++	Ave		0.6359				16.0		30.0			
1,2,3-Trichlorobenzene	+++++ 0.5993	+++++ 0.6760	0.5768 0.6756	0.5677 0.7559	0.5939 0.8487	Ave		0.6617				15.0		30.0			
2-Methylnaphthalene	+++++ 0.9105	+++++ 1.3164	+++++ 1.7796	+++++ 2.2320	0.5468 +++++	Lin	-1.525	2.3610							0.9910		0.9900
1-Methylnaphthalene	+++++ 1.5272	+++++ 1.7204	+++++ 2.3368	0.4548 +++++	1.2903 +++++	Ave		1.4659				46.8		50.0			
4-Bromofluorobenzene (Surr)	0.5023 0.5244	0.4979 0.5423	0.5220 0.5710	0.5331 0.5932	0.5233 0.5853	Ave		0.5395				6.2		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-39590/16	RE13IC01.D
Level 2	IC 140-39590/15	RE13IC02.D
Level 3	IC 140-39590/14	RE13IC03.D
Level 4	IC 140-39590/13	RE13IC04.D
Level 5	IC 140-39590/12	RE13IC05.D
Level 6	IC 140-39590/11	RE13IC06.D
Level 7	ICIS 140-39590/22	RE13TEST.D
Level 8	IC 140-39590/8	RE13IC08.D
Level 9	IC 140-39590/6	RE13IC09.D
Level 10	IC 140-39590/4	RE13IC10.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	+++++ 149935	+++++ 215581	10764 544176	21794 1037365	51067 1761112	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Propene	CBM	Lin1	+++++ 136665	+++++ 173821	+++++ 362773	+++++ 650456	+++++ 1043648	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	+++++ 16.0
Freon 12	CBM	Ave	+++++ 139554	6741 221084	11795 527154	21856 1053834	59300 1630511	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloromethane	CBM	Ave	+++++ 26645	+++++ 43783	+++++ 95086	4859 201976	13880 337128	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Freon-114	CBM	Ave	+++++ 134036	6928 216396	10128 501484	18866 1130738	59811 +++++	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
Vinyl chloride	CBM	Ave	+++++ 125988	4430 190569	9066 434903	15629 936038	48015 1572137	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Butane	CBM	Ave	+++++ 191785	+++++ 290481	+++++ 660439	28266 1331711	73559 2343504	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,3-Butadiene	CBM	Ave	+++++ 85466	+++++ 142101	+++++ 317866	10989 645889	32016 1139467	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Bromomethane	CBM	Ave	+++++ 139351	+++++ 222766	11988 507825	20738 1040041	56852 1765629	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroethane	CBM	Ave	+++++ 62934	+++++ 99763	5258 235350	10710 465108	22295 777461	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethanol	CBM	Ave	+++++ 381467	+++++ 681460	19653 1545102	52968 3163937	149918 5420750	+++++ 5.00	+++++ 10.0	0.400 20.0	0.800 40.0	2.00 80.0
Vinyl bromide	CBM	Ave	+++++ 154628	+++++ 260577	11049 573856	21485 1203564	57962 2028235	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylbutane	CBM	Ave	+++++ 144326	+++++ 249189	+++++ 553195	22044 1061484	53348 1811950	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Freon 11	CBM	Ave	5189 357582	11256 592337	24500 1392462	49695 2932162	136620 4979585	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.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

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
Acrolein	CBM	Ave	+++++ 25757	+++++ 37667	+++++ 102950	+++++ 211995	11448 368769	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
Acetonitrile	CBM	Ave	+++++ 32755	+++++ 71408	+++++ 169960	+++++ 316619	14941 561999	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
Acetone	CBM	Ave	+++++ 136214	+++++ 241153	+++++ 526945	30975 993569	59157 1710890	+++++ 3.00	+++++ 6.00	+++++ 12.0	0.480 24.0	1.20 48.0
Pentane	CBM	Ave	+++++ 18804	+++++ 30290	+++++ 68824	2809 139176	8959 248411	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
2-Propanol	CBM	Ave	+++++ 389513	+++++ 653507	+++++ 1605097	58771 3070594	161323 5290124	+++++ 3.00	+++++ 6.00	+++++ 12.0	0.480 24.0	1.20 48.0
Ethyl ether	CBM	Ave	+++++ 136704	+++++ 228282	9747 554636	22750 1035041	50366 1766313	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1-Dichloroethene	CBM	Ave	+++++ 102940	4388 166421	8602 439837	16176 819140	44754 1403812	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Acrylonitrile	CBM	Ave	+++++ 45254	+++++ 77500	+++++ 203454	6959 402870	15748 718694	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
tert-Butyl alcohol	CBM	Ave	+++++ 165170	+++++ 276090	+++++ 702459	25931 1325096	64369 2251520	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Freon 113	CBM	Ave	3494 239701	7759 395495	17702 987140	38937 1901066	90246 3369798	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methylene Chloride	CBM	Lin2	+++++ 138221	+++++ 187020	+++++ 406471	+++++ 705639	91895 1204902	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
3-Chloropropene	CBM	Ave	+++++ 103902	+++++ 162887	7632 409553	17535 802141	40938 1381594	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon disulfide	CBM	Ave	+++++ 281079	+++++ 452745	+++++ 1164811	44822 2188886	112336 3676734	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
trans-1,2-Dichloroethene	CBM	Ave	+++++ 99956	3955 162731	7314 431712	14937 832733	41328 1469742	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylpentane	CBM	Ave	+++++ 205999	+++++ 347047	16112 839477	31678 1587724	80488 2741943	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methyl tert-butyl ether	CBM	Ave	+++++ 262767	+++++ 407911	+++++ 1051107	40105 1986172	101859 3361964	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,1-Dichloroethane	CBM	Ave	+++++ 162595	6479 274903	11122 676623	26505 1238558	62404 2104470	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl acetate	CBM	Ave	+++++ 227383	+++++ 402947	+++++ 1029139	33511 1995239	92828 3514214	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
2-Butanone	CBM	Ave	+++++ 44326	+++++ 77242	+++++ 184856	8813 368171	18236 626571	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Hexane	CBM	Ave	+++++ 60831	+++++ 104524	+++++ 240181	9253 454422	24221 807070	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
cis-1,2-Dichloroethene	CBM	Ave	+++++ 103316	3596 174335	7187 446765	13795 847777	39468 1471475	+++++ 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.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

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
Ethyl acetate	CBM	Ave	+++++ 214611	+++++ 374343	12894 921501	31328 1735256	81770 3030995	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroform	CBM	Ave	+++++ 216863	6800 353971	14925 908889	30623 1694439	81255 2914585	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrahydrofuran	CBM	Ave	+++++ 103083	+++++ 173640	+++++ 434679	8322 816172	44164 1403284	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,1,1-Trichloroethane	CBM	Ave	4303 220683	9481 359035	15883 958273	31311 1823382	84109 3174719	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	+++++ 115663	+++++ 192545	9221 487912	17056 922073	44227 1619068	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1-Butanol	DFBZ	Ave	+++++ 62397	+++++ 104887	+++++ 267847	+++++ 507026	21517 934939	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
Cyclohexane	DFBZ	Ave	+++++ 39382	+++++ 70005	+++++ 171543	5759 343299	18741 622400	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Benzene	DFBZ	Ave	+++++ 275995	11057 473523	21815 1182775	42065 2292364	106357 4283466	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon tetrachloride	DFBZ	Ave	4139 218322	8534 323117	15109 1098945	37360 2121777	98212 4053681	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	+++++ 65316	+++++ 100713	5433 255402	9324 474490	25529 858684	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Thiophene	DFBZ	Ave	+++++ 146391	+++++ 260236	9942 638510	22442 1219766	60996 2173453	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 358583	13143 600803	24578 1486980	50713 2801948	138388 5061220	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Heptane	DFBZ	Ave	+++++ 93961	+++++ 155050	6241 390132	13661 739893	34786 1341801	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichloropropane	DFBZ	Ave	+++++ 101465	+++++ 176044	6538 424000	16158 800419	40655 1453966	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Trichloroethene	DFBZ	Ave	1795 152718	6107 249644	11383 644687	21285 1242769	59658 2352193	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Dibromomethane	DFBZ	Ave	+++++ 135909	+++++ 226501	9354 569026	20802 1135240	49756 2067795	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromodichloromethane	DFBZ	Ave	+++++ 214287	7579 367844	16089 955114	31676 1856813	82365 3533624	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,4-Dioxane	DFBZ	Ave	+++++ 42062	+++++ 77046	+++++ 199335	7060 361124	17975 672654	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Methyl methacrylate	DFBZ	Ave	+++++ 116652	+++++ 201722	+++++ 518429	17897 1008429	48292 1825864	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Methylcyclohexane	DFBZ	Ave	+++++ 162303	+++++ 268696	11859 673517	20523 1288874	60827 2401099	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
4-Methyl-2-pentanone (MIBK)	DFBZ	Ave	+++++ 240528	+++++ 398316	+++++ 996049	28238 1912733	91291 3570354	+++++ 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.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

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-1,3-Dichloropropene	DFBZ	Ave	+++++ 151432	+++++ 271656	10278 690529	21772 1330127	57563 2480178	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
trans-1,3-Dichloropropene	CBZd 5	Ave	+++++ 136226	+++++ 239341	8099 614529	19618 1219528	49988 2267367	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Toluene	CBZd 5	Ave	5904 328539	10790 574567	24059 1430982	45436 2815839	133746 5282182	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,2-Trichloroethane	CBZd 5	Ave	+++++ 102139	+++++ 180283	7520 436637	17605 864744	38587 1602328	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Hexanone	CBZd 5	Ave	+++++ 101263	+++++ 160986	+++++ 437918	12386 839349	35392 1565710	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
C8 Range	DFBZ	Ave	+++++ 916378	+++++ 1615371	+++++ 4007849	157993 7761149	358387 15071711	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Octane	CBZd 5	Ave	+++++ 95807	+++++ 167887	+++++ 426743	14716 820136	37299 1639157	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Dibromochloromethane	CBZd 5	Ave	+++++ 233896	+++++ 417494	14502 1163791	31896 2317672	92290 4769752	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dibromoethane	CBZd 5	Ave	+++++ 193716	+++++ 337293	12825 867334	28125 1714125	69737 3417765	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrachloroethene	CBZd 5	Ave	+++++ 131499	4545 226599	8888 599288	20135 1189227	53948 2404350	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chlorobenzene	CBZd 5	Ave	+++++ 277170	+++++ 486300	19515 1219201	40586 2463869	109576 4982064	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethylbenzene	CBZd 5	Ave	+++++ 428751	15365 770902	28346 1969191	59909 3817834	170047 7602610	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
m-Xylene & p-Xylene	CBZd 5	Ave	+++++ 678852	20672 1177734	47204 3097356	98107 6337651	264858 13390547	+++++ 2.00	0.0800 4.00	0.160 8.00	0.320 16.0	0.800 32.0
Nonane	CBZd 5	Ave	+++++ 151438	+++++ 262931	10444 694918	21284 1441768	57064 3086121	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromoform	CBZd 5	Ave	+++++ 206639	+++++ 371559	12086 1162724	22750 +++++	73667 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 +++++	0.400 +++++
Styrene	CBZd 5	Ave	+++++ 233606	+++++ 437286	13874 1145574	31249 2403996	83732 5114064	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
o-Xylene	CBZd 5	Ave	+++++ 340184	+++++ 607171	24755 1593283	52807 3143526	137127 6084903	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,2,2-Tetrachloroethane	CBZd 5	Ave	+++++ 269843	+++++ 486181	18065 1274214	42772 2507178	105785 4895369	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,3-Trichloropropane	CBZd 5	Ave	+++++ 77731	+++++ 142005	5275 372125	12142 735824	32751 1428736	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Cumene	CBZd 5	Ave	+++++ 520193	+++++ 921790	39737 2430896	74948 4977435	203049 9903946	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Propylbenzene	CBZd 5	Ave	+++++ 143246	+++++ 257279	10293 683222	18466 1399783	55439 2930465	+++++ 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.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
2-Chlorotoluene	CBZd 5	Ave	+++++ 138214	+++++ 258336	12187 695521	21486 1421610	55478 2876999	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
4-Ethyltoluene	CBZd 5	Ave	+++++ 494993	+++++ 916492	+++++ 2466832	73644 5034405	192737 10581407	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,3,5-Trimethylbenzene	CBZd 5	Ave	+++++ 215406	+++++ 381845	16181 1021031	31505 2133569	82307 4490152	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Alpha Methyl Styrene	CBZd 5	Ave	+++++ 203860	+++++ 369437	+++++ 1048296	24482 2251329	67569 +++++	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 +++++
Decane	CBZd 5	Ave	+++++ 195271	+++++ 360815	+++++ 989347	30503 1991516	77497 4026742	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
tert-Butylbenzene	CBZd 5	Ave	+++++ 464635	+++++ 845179	+++++ 2362884	70463 5200938	184822 +++++	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 +++++
1,2,4-Trimethylbenzene	CBZd 5	Ave	+++++ 444896	+++++ 807627	29810 2211171	63851 4913666	163546 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
sec-Butylbenzene	CBZd 5	Ave	+++++ 664854	+++++ 1200705	45924 3414650	96017 7523394	248103 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
1,3-Dichlorobenzene	CBZd 5	Ave	+++++ 322494	+++++ 577246	21945 1654967	42414 3858714	121255 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
alpha-Chlorotoluene	CBZd 5	Ave	+++++ 339402	+++++ 635302	20409 1755967	36694 +++++	119918 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 +++++	0.400 +++++
1,4-Dichlorobenzene	CBZd 5	Ave	+++++ 317089	9877 565551	21475 1609132	41957 3658125	111171 +++++	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
4-Isopropyltoluene	CBZd 5	Ave	+++++ 552863	+++++ 991660	36778 2758011	77662 5951454	206284 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
1,2,3-Trimethylbenzene	CBZd 5	Ave	7525 447177	14998 804228	32933 2226933	70535 4559733	167853 +++++	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
1,2-Dichlorobenzene	CBZd 5	Ave	+++++ 323812	10697 572043	21659 1684758	50251 3925585	124684 +++++	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
Indane	CBZd 5	Ave	+++++ 428663	+++++ 795668	31393 2288609	60009 5164194	160678 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
Indene	CBZd 5	Ave	+++++ 362504	+++++ 685782	23960 1941290	46397 +++++	128236 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 +++++	0.400 +++++
Butylbenzene	CBZd 5	Ave	+++++ 550627	+++++ 1023647	34094 2829701	76984 6195142	201057 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
Undecane	CBZd 5	Ave	+++++ 242043	+++++ 446107	+++++ 1238052	30602 2590479	81882 5512615	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,2-Dibromo-3-Chloropropane	CBZd 5	Ave	+++++ 153865	+++++ 298700	7873 819457	15839 1831045	55078 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
1,2,4,5-Tetramethylbenzene	CBZd 5	Ave	+++++ 517266	+++++ 947532	31502 2641864	70676 5578614	194862 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
Dodecane	CBZd 5	Ave	+++++ 218600	+++++ 470171	+++++ 1322618	+++++ 2768185	66685 +++++	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 +++++

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (PPB V/V)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
1,2,4-Trichlorobenzene	CBZd 5	Ave	+++++ 212227	+++++ 412237	15022 1090146	28403 2366617	77822 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
Naphthalene	CBZd 5	Ave	+++++ 594188	13675 1017770	43074 2638412	57305 5265913	229272 10341643	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Hexachlorobutadiene	CBZd 5	Ave	+++++ 217921	+++++ 398461	15112 1108653	34471 2548056	79530 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
1,2,3-Trichlorobenzene	CBZd 5	Ave	+++++ 225822	+++++ 426361	15358 1093294	31571 2300903	88895 4633714	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylnaphthalene	CBZd 5	Lin	+++++ 343092	+++++ 830308	+++++ 2880134	+++++ 6794183	81860 +++++	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 +++++
1-Methylnaphthalene	CBZd 5	Ave	+++++ 575499	+++++ 1085133	+++++ 3781820	25294 +++++	193150 +++++	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 +++++	0.400 +++++
4-Bromofluorobenzene (Surr)	CBZd 5	Ave	618558 790379	647120 684037	694955 924049	741173 902788	783360 798863	4.00 4.00	4.00 4.00	4.00 4.00	4.00 4.00	4.00 4.00

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-39590/16	RE13IC01.D
Level 2	IC 140-39590/15	RE13IC02.D
Level 3	IC 140-39590/14	RE13IC03.D
Level 4	IC 140-39590/13	RE13IC04.D
Level 5	IC 140-39590/12	RE13IC05.D
Level 6	IC 140-39590/11	RE13IC06.D
Level 7	ICIS 140-39590/22	RE13TEST.D
Level 8	IC 140-39590/8	RE13IC08.D
Level 9	IC 140-39590/6	RE13IC09.D
Level 10	IC 140-39590/4	RE13IC10.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	+++++	+++++	12.5						50			
Propene	+++++	+++++	+++++	+++++	+++++	-3.8						50
Freon 12	+++++	38.5						50				
Chloromethane	+++++	+++++	+++++	20.7						50		
Freon-114	+++++	43.5		+++++				50				
Vinyl chloride	+++++	12.6						50				
Butane	+++++	+++++	+++++	9.8						50		
1,3-Butadiene	+++++	+++++	+++++	-6.5						50		
Bromomethane	+++++	+++++	24.0						50			
Chloroethane	+++++	+++++	21.1						50			
Ethanol	+++++	+++++	-24.0						50			
Vinyl bromide	+++++	+++++	6.0						50			
2-Methylbutane	+++++	+++++	+++++	8.8						50		
Freon 11	-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.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

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	+++++	+++++	+++++	+++++	14.0						50	
Acetonitrile	+++++	+++++	+++++	+++++	-1.6						50	
Acetone	+++++	+++++	+++++	46.6						80		
Pentane	+++++	+++++	+++++	3.5						50		
2-Propanol	+++++	+++++	+++++	3.3						50		
Ethyl ether	+++++	+++++	3.1						50			
1,1-Dichloroethene	+++++	20.1						50				
Acrylonitrile	+++++	+++++	+++++	1.8						50		
tert-Butyl alcohol	+++++	+++++	+++++	7.1						50		
Freon 113	-7.2						50					
Methylene Chloride	+++++	+++++	+++++	+++++	-0.6						80	
3-Chloropropene	+++++	+++++	5.3						50			
Carbon disulfide	+++++	+++++	+++++	10.1						50		
trans-1,2-Dichloroethene	+++++	14.0						50				
2-Methylpentane	+++++	+++++	11.3						50			
Methyl tert-butyl ether	+++++	+++++	+++++	8.4						50		
1,1-Dichloroethane	+++++	17.9						50				
Vinyl acetate	+++++	+++++	+++++	-3.9						50		
2-Butanone	+++++	+++++	+++++	27.7						50		
Hexane	+++++	+++++	+++++	5.9						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.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

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	+++++	+++++	-12.9						50			
Chloroform	+++++	-3.0						50				
Tetrahydrofuran	+++++	+++++	+++++	-41.3						50		
1,1,1-Trichloroethane	17.3						50					
1,2-Dichloroethane	+++++	+++++	8.8						50			
1-Butanol	+++++	+++++	+++++	+++++	-15.4						50	
Cyclohexane	+++++	+++++	+++++	-10.4						50		
Benzene	+++++	10.6						50				
Carbon tetrachloride	3.3						50					
2,3-Dimethylpentane	+++++	+++++	17.3						50			
Thiophene	+++++	+++++	-9.3						50			
2,2,4-Trimethylpentane	+++++	7.3						50				
Heptane	+++++	+++++	-6.6						50			
1,2-Dichloropropane	+++++	+++++	-11.6						50			
Trichloroethene	-28.1						50					
Dibromomethane	+++++	+++++	-5.8						50			
Bromodichloromethane	+++++	-1.7						50				
1,4-Dioxane	+++++	+++++	+++++	0.9						50		
Methyl methacrylate	+++++	+++++	+++++	-4.3						50		
Methylcyclohexane	+++++	+++++	2.4						50			
4-Methyl-2-pentanone (MIBK)	+++++	+++++	+++++	-20.5						50		

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

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	+++++	+++++	-10.1						50			
trans-1,3-Dichloropropene	+++++	+++++	-16.9						50			
Toluene	7.0						50					
1,1,2-Trichloroethane	+++++	+++++	-0.1						50			
2-Hexanone	+++++	+++++	+++++	-14.2						50		
Octane	+++++	+++++	+++++	-0.8						50		
Dibromochloromethane	+++++	+++++	-18.9						50			
1,2-Dibromoethane	+++++	+++++	-8.8						50			
Tetrachloroethene	+++++	-5.1						50				
Chlorobenzene	+++++	+++++	-5.1						50			
Ethylbenzene	+++++	-0.4						50				
m-Xylene & p-Xylene	+++++	-15.9						50				
Nonane	+++++	+++++	-8.9						50			
Bromoform	+++++	+++++	-15.2 +++++	+++++					50			
Styrene	+++++	+++++	-22.7						50			
o-Xylene	+++++	+++++	-4.6						50			
1,1,2,2-Tetrachloroethane	+++++	+++++	-11.7						50			
1,2,3-Trichloropropane	+++++	+++++	-12.0						50			
Cumene	+++++	+++++	-0.4						50			
Propylbenzene	+++++	+++++	-6.2						50			
2-Chlorotoluene	+++++	+++++	7.2						50			

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

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	+++++	+++++	+++++	-11.7						50		
1,3,5-Trimethylbenzene	+++++	+++++	-3.8						50			
Alpha Methyl Styrene	+++++	+++++	+++++	-22.4 +++++						50		
Decane	+++++	+++++	+++++	-7.7						50		
tert-Butylbenzene	+++++	+++++	+++++	-7.8 +++++						50		
1,2,4-Trimethylbenzene	+++++	+++++	-11.0	+++++					50			
sec-Butylbenzene	+++++	+++++	-9.6	+++++					50			
1,3-Dichlorobenzene	+++++	+++++	-10.7	+++++					50			
alpha-Chlorotoluene	+++++	+++++	-11.9 +++++	+++++					50			
1,4-Dichlorobenzene	+++++	-13.1		+++++				50				
4-Isopropyltoluene	+++++	+++++	-10.9	+++++					50			
1,2,3-Trimethylbenzene	-3.0			+++++			50					
1,2-Dichlorobenzene	+++++	-11.8		+++++				50				
Indane	+++++	+++++	-6.7	+++++					50			
Indene	+++++	+++++	-7.5 +++++	+++++					50			
Butylbenzene	+++++	+++++	-17.6	+++++					50			
Undecane	+++++	+++++	+++++	-24.1						50		
1,2-Dibromo-3-Chloropropane	+++++	+++++	-29.6	+++++					50			
1,2,4,5-Tetramethylbenzene	+++++	+++++	-18.0	+++++					50			
Dodecane	+++++	+++++	+++++	+++++ +++++	-36.3						50	
1,2,4-Trichlorobenzene	+++++	+++++	-7.4	+++++					50			

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1 Analy Batch No.: 39590

SDG No.:

Instrument ID: MR GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/13/2020 10:05 Calibration End Date: 05/14/2020 00:39 Calibration ID: 2439

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	+++++	-30.8						80				
Hexachlorobutadiene	+++++	+++++	-10.7	+++++					50			
1,2,3-Trichlorobenzene	+++++	+++++	-12.8						50			
2-Methylnaphthalene	+++++	+++++	+++++	+++++ +++++	84.6 *						80	
1-Methylnaphthalene	+++++	+++++	+++++ +++++	-69.0 +++++						80		

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC10.D
Lims ID: IC L10
Client ID:
Sample Type: IC Calib Level: 10
Inject. Date: 13-May-2020 10:05:30 ALS Bottle#: 8 Worklist Smp#: 4
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015465-004
Misc. Info.: 297183
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-May-2020 14:47:39 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: tajh Date: 14-May-2020 08:12:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.344	8.336	0.008	82	242821	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.588	10.577	0.011	93	1539112	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.408	15.409	-0.001	83	1364936	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.059	17.057	0.002	95	798863	4.00	4.34	
6 Chlorodifluoromethane	51	3.324	3.326	-0.002	98	1761112	16.0	14.3	
7 Propene	41	3.335	3.335	0.000	98	1043648	16.0	16.0	
8 Dichlorodifluoromethane	85	3.378	3.400	-0.022	98	1630511	16.0	12.4	
9 Chloromethane	52	3.551	3.555	-0.004	96	337128	16.0	13.6	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.556	3.561	-0.005	87	1739161	16.0	13.4	
11 Acetaldehyde	44	3.696	3.705	-0.009	82	3009873	80.0	71.9	
12 Vinyl chloride	62	3.707	3.713	-0.006	99	1572137	16.0	14.8	
13 Butane	43	3.788	3.793	-0.005	87	2343504	16.0	14.8	
14 Butadiene	54	3.793	3.796	-0.003	70	1139467	16.0	15.8	
15 Bromomethane	94	4.090	4.094	-0.004	96	1765629	16.0	14.2	
16 Chloroethane	64	4.225	4.227	-0.002	81	777461	16.0	13.9	
17 Ethanol	31	4.343	4.339	0.004	95	5420750	80.0	81.6	
18 Vinyl bromide	106	4.510	4.511	-0.001	97	2028235	16.0	15.1	
19 2-Methylbutane	43	4.548	4.556	-0.008	90	1811950	16.0	14.5	
21 Acrolein	56	4.769	4.749	0.020	86	368769	16.0	16.0	
20 Trichlorofluoromethane	101	4.764	4.763	0.001	97	4979585	16.0	16.0	
22 Acetonitrile	40	4.850	4.860	-0.010	99	561999	16.0	16.1	
23 Acetone	58	4.883	4.901	-0.018	99	1710890	48.0	39.5	
24 Pentane	72	4.974	4.971	0.003	95	248411	16.0	14.9	
25 Isopropyl alcohol	45	4.990	4.994	-0.004	94	5290124	48.0	45.3	
26 Ethyl ether	31	5.136	5.156	-0.020	85	1766313	16.0	14.5	
27 1,1-Dichloroethene	96	5.449	5.449	0.000	93	1403812	16.0	14.3	
28 Acrylonitrile	53	5.567	5.569	-0.002	49	718694	16.0	17.1	
29 2-Methyl-2-propanol	59	5.567	5.591	-0.024	94	2251520	16.0	15.1	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.627	5.626	0.001	95	3369798	16.0	15.7	
31 Methylene Chloride	84	5.799	5.795	0.004	90	1204902	16.0	16.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.810	5.809	0.001	95	1381594	16.0	14.8	
33 Carbon disulfide	76	5.945	5.946	-0.001	96	3676734	16.0	14.7	
34 trans-1,2-Dichloroethene	96	6.603	6.598	0.005	89	1469742	16.0	15.7	
35 2-Methylpentane	43	6.614	6.611	0.003	92	2741943	16.0	14.7	
36 Methyl tert-butyl ether	73	6.716	6.735	-0.019	95	3361964	16.0	14.8	
37 1,1-Dichloroethane	63	7.023	7.016	0.007	99	2104470	16.0	14.2	
38 Vinyl acetate	43	7.131	7.154	-0.023	99	3514214	16.0	16.4	
39 2-Butanone (MEK)	72	7.568	7.586	-0.018	98	626571	16.0	14.7	
40 Hexane	56	7.600	7.597	0.003	88	807070	16.0	15.0	
41 Isopropyl ether	45	7.751	7.770	-0.019	93	4012020	16.0	15.0	
42 cis-1,2-Dichloroethene	96	8.010	8.003	0.007	85	1471475	16.0	15.9	
43 Ethyl acetate	43	8.193	8.209	-0.016	96	3030995	16.0	15.9	
44 Chloroform	83	8.361	8.348	0.013	95	2914585	16.0	15.4	
45 Tert-butyl ethyl ether	59	8.436	8.449	-0.013	94	3544148	16.0	15.4	
46 Tetrahydrofuran	42	8.733	8.763	-0.030	89	1403284	16.0	16.1	
47 1,1,1-Trichloroethane	97	9.385	9.378	0.007	93	3174719	16.0	15.2	
48 1,2-Dichloroethane	62	9.504	9.497	0.007	95	1619068	16.0	16.3	
51 Benzene	78	10.000	9.994	0.006	95	4283466	16.0	17.4	
49 n-Butanol	31	9.957	9.995	-0.038	68	934939	16.0	17.6	
50 Cyclohexane	69	9.995	9.998	-0.003	81	622400	16.0	17.3	
52 Carbon tetrachloride	117	10.021	10.013	0.008	93	4053681	16.0	19.6	
53 2,3-Dimethylpentane	71	10.129	10.129	0.000	86	858684	16.0	15.9	
54 Thiophene	84	10.286	10.279	0.007	92	2173453	16.0	17.0	
55 Isooctane	57	10.798	10.797	0.001	92	5061220	16.0	16.8	
56 n-Heptane	71	11.197	11.196	0.001	91	1341801	16.0	17.2	
57 1,2-Dichloropropane	63	11.278	11.274	0.004	85	1453966	16.0	16.8	
58 Trichloroethene	130	11.316	11.309	0.007	94	2352193	16.0	18.2	
59 Dibromomethane	93	11.402	11.394	0.008	94	2067795	16.0	17.8	
60 Dichlorobromomethane	83	11.553	11.545	0.008	97	3533624	16.0	18.6	
61 1,4-Dioxane	88	11.553	11.584	-0.031	83	672654	16.0	17.2	
62 Methyl methacrylate	41	11.655	11.662	-0.007	92	1825864	16.0	17.5	
63 Methylcyclohexane	83	12.103	12.101	0.002	91	2401099	16.0	17.7	
64 4-Methyl-2-pentanone (MIBK)	43	12.518	12.535	-0.017	98	3570354	16.0	18.0	
65 cis-1,3-Dichloropropene	75	12.588	12.584	0.004	95	2480178	16.0	18.6	
66 trans-1,3-Dichloropropene	75	13.300	13.298	0.002	95	2267367	16.0	18.2	
67 Toluene	91	13.419	13.418	0.001	93	5282182	16.0	17.3	
68 1,1,2-Trichloroethane	83	13.500	13.494	0.006	95	1602328	16.0	16.6	
69 2-Hexanone	58	13.882	13.906	-0.024	89	1565710	16.0	17.7	
70 n-Octane	85	14.130	14.127	0.003	88	1639157	16.0	18.0	
71 Chlorodibromomethane	129	14.206	14.204	0.002	95	4769752	16.0	20.8	
72 Ethylene Dibromide	107	14.497	14.498	-0.001	95	3417765	16.0	19.0	
73 Tetrachloroethene	129	14.573	14.574	-0.001	92	2404350	16.0	19.1	
74 Chlorobenzene	112	15.457	15.457	0.000	98	4982064	16.0	18.9	
75 2,3-Dimethylheptane	43	15.484	15.484	0.000	93	5112473	16.0	17.9	
76 Ethylbenzene	91	15.754	15.750	0.004	97	7602610	16.0	18.8	
77 m-Xylene & p-Xylene	91	15.915	15.913	0.002	96	13390547	32.0	41.5	
78 n-Nonane	57	16.347	16.341	0.006	86	3086121	16.0	21.0	
79 Bromoform	173	16.358	16.357	0.001	93	6647912	16.0	36.4	
80 Styrene	104	16.379	16.379	0.000	95	5114064	16.0	22.2	
81 o-Xylene	91	16.444	16.441	0.003	99	6084903	16.0	18.3	
82 1,1,2,2-Tetrachloroethane	83	16.767	16.767	0.000	98	4895369	16.0	18.7	
83 1,2,3-Trichloropropane	110	16.929	16.937	-0.008	92	1428736	16.0	18.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.032	17.029	0.003	95	9903946	16.0	19.4	
85 N-Propylbenzene	120	17.582	17.578	0.004	100	2930465	16.0	20.8	
86 2-Chlorotoluene	126	17.625	17.622	0.003	96	2876999	16.0	19.8	
87 4-Ethyltoluene	105	17.738	17.734	0.004	99	10581407	16.0	20.7	
88 1,3,5-Trimethylbenzene	120	17.813	17.811	0.002	93	4490152	16.0	20.8	
89 Alpha Methyl Styrene	118	18.051	18.048	0.003	92	4900957	16.0	25.3	
90 n-Decane	57	18.115	18.113	0.002	87	4026742	16.0	19.9	
91 tert-Butylbenzene	119	18.250	18.245	0.005	95	12213602	16.0	26.1	
92 1,2,4-Trimethylbenzene	105	18.261	18.259	0.002	95	11178441	16.0	26.1	
93 sec-Butylbenzene	105	18.520	18.521	-0.001	93	14613012	16.0	22.4	e
94 1,3-Dichlorobenzene	146	18.536	18.531	0.005	96	9669986	16.0	30.7	
95 Benzyl chloride	91	18.617	18.612	0.005	99	9400689	16.0	31.7	
96 1,4-Dichlorobenzene	146	18.628	18.622	0.006	97	8770439	16.0	29.4	
97 4-Isopropyltoluene	119	18.687	18.688	-0.001	94	12329313	16.0	23.3	e
98 1,2,3-Trimethylbenzene	105	18.741	18.740	0.001	98	9718670	16.0	22.6	
99 Butylcyclohexane	83	18.800	18.796	0.004	93	6855351	16.0	21.1	
101 1,2-Dichlorobenzene	146	18.989	18.987	0.002	93	9747511	16.0	30.6	
100 2,3-Dihydroindene	117	18.989	18.988	0.001	95	11619711	16.0	27.0	e
102 Indene	116	19.124	19.122	0.002	92	11024966	16.0	33.2	e
103 n-Butylbenzene	91	19.124	19.130	-0.006	95	12792662	16.0	24.1	e
104 Undecane	57	19.453	19.453	0.000	84	5512615	16.0	22.3	
105 1,2-Dibromo-3-Chloropropane	157	19.604	19.601	0.003	93	4112211	16.0	28.7	
106 1,2,4,5-Tetramethylbenzene	119	19.895	19.895	0.000	95	11366120	16.0	23.1	e
107 Dodecane	57	20.510	20.510	0.000	82	5854970	16.0	24.5	
108 1,2,4-Trichlorobenzene	180	20.698	20.695	0.003	94	5195755	16.0	25.0	
109 Naphthalene	128	20.833	20.834	-0.001	99	10341643	16.0	19.9	
110 Hexachlorobutadiene	225	21.054	21.052	0.002	92	6921156	16.0	31.9	
111 1,2,3-Trichlorobenzene	180	21.119	21.121	-0.002	93	4633714	16.0	20.5	
112 2-Methylnaphthalene	142	21.847	21.857	-0.010	91	10531894	16.0	13.7	e
A 116 C8 Range	1	14.115	(14.071-14.179)		0	15071711	16.0	18.1	
S 117 Xylenes, Total	100				0		48.0	59.8	
S 118 1,2-Dichloroethene, Total	1				0		32.0	31.6	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Reagents:

40L10DQP_00017	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

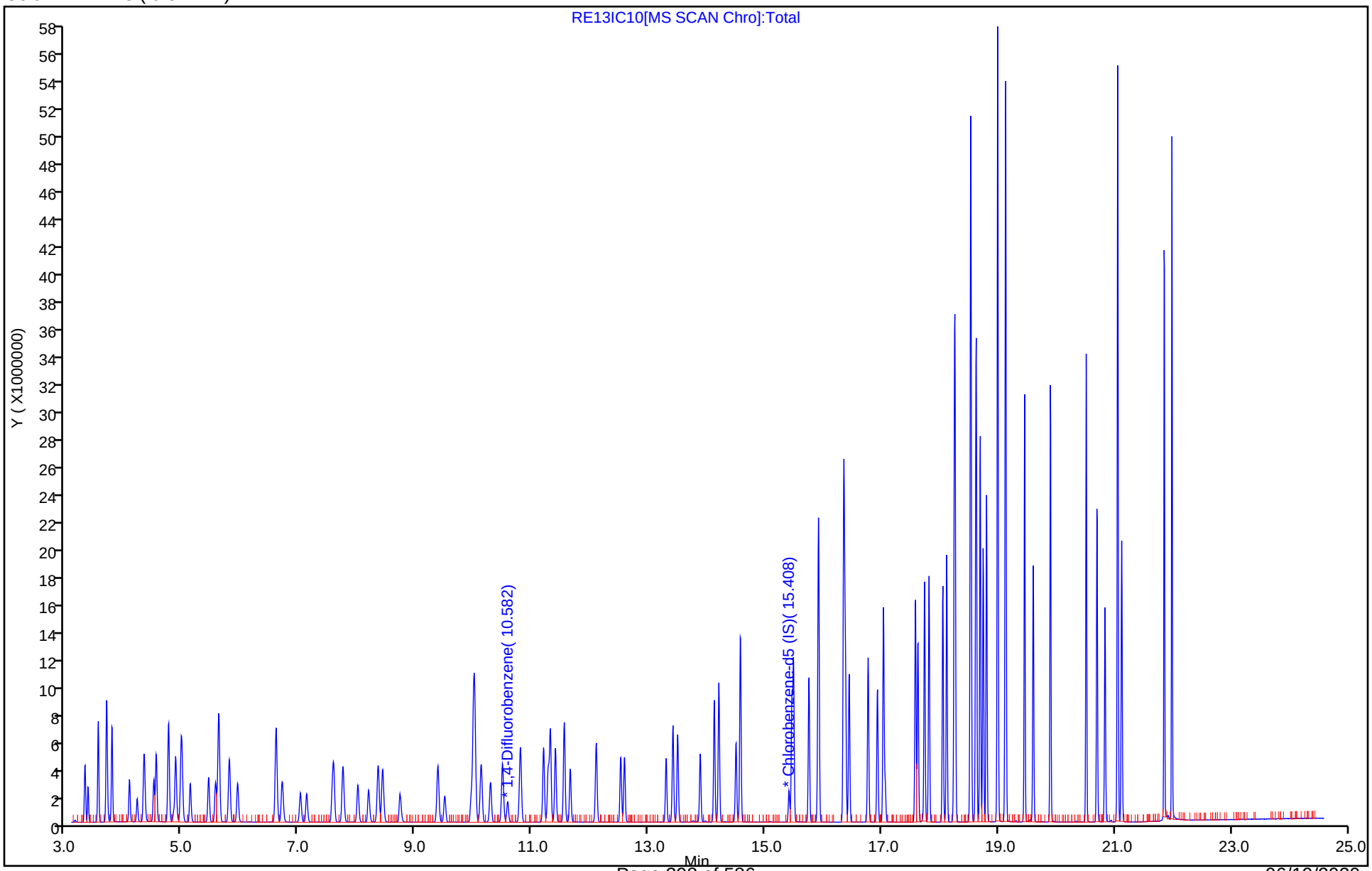
Report Date: 14-May-2020 14:47:40 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC10.D

Injection Date:	13-May-2020 10:05:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L10			Worklist Smp#:	4
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

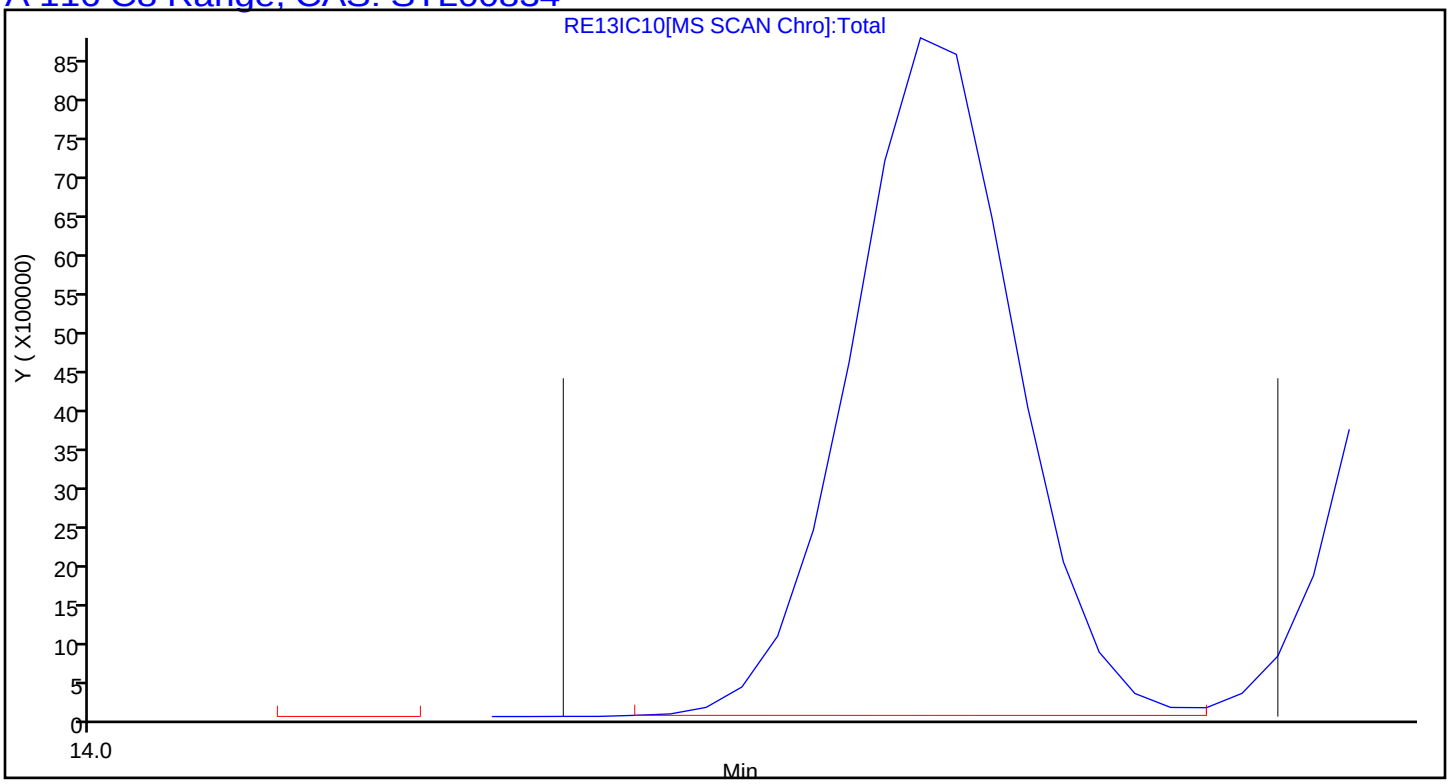


Report Date: 14-May-2020 14:47:40 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC10.D				
Injection Date:	13-May-2020 10:05:30	Instrument ID:	MR		
Lims ID:	IC L10				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	8	Worklist Smp#:	4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC09.D
Lims ID: IC L9
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 13-May-2020 11:40:30 ALS Bottle#: 7 Worklist Smp#: 6
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015465-006
Misc. Info.: 297184
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-May-2020 14:47:47 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: tajh Date: 14-May-2020 08:13:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.344	8.336	0.008	80	283919	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.582	10.577	0.005	92	1792446	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.408	15.409	-0.001	83	1521925	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.058	17.057	0.001	95	902788	4.00	4.40	
6 Chlorodifluoromethane	51	3.319	3.326	-0.007	98	1037365	8.00	7.22	
7 Propene	41	3.329	3.335	-0.006	97	650456	8.00	8.02	
8 Dichlorodifluoromethane	85	3.378	3.400	-0.022	98	1053834	8.00	6.87	
9 Chloromethane	52	3.551	3.555	-0.004	96	201976	8.00	6.97	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.556	3.561	-0.005	89	1130738	8.00	7.43	
11 Acetaldehyde	44	3.696	3.705	-0.009	83	1737286	40.0	35.5	
12 Vinyl chloride	62	3.707	3.713	-0.006	99	936038	8.00	7.55	
13 Butane	43	3.788	3.793	-0.005	86	1331711	8.00	7.19	
14 Butadiene	54	3.788	3.796	-0.008	67	645889	8.00	7.64	
15 Bromomethane	94	4.090	4.094	-0.004	96	1040041	8.00	7.16	
16 Chloroethane	64	4.219	4.227	-0.008	84	465108	8.00	7.13	
17 Ethanol	31	4.338	4.339	-0.001	95	3163937	40.0	40.7	
18 Vinyl bromide	106	4.505	4.511	-0.006	97	1203564	8.00	7.69	
19 2-Methylbutane	43	4.554	4.556	-0.002	94	1061484	8.00	7.28	
20 Trichlorofluoromethane	101	4.758	4.763	-0.005	97	2932162	8.00	8.06	
21 Acrolein	56	4.775	4.749	0.026	83	211995	8.00	7.86	
22 Acetonitrile	40	4.845	4.860	-0.015	100	316619	8.00	7.77	
23 Acetone	58	4.882	4.901	-0.019	99	993569	24.0	19.6	
24 Pentane	72	4.974	4.971	0.003	92	139176	8.00	7.12	
25 Isopropyl alcohol	45	4.985	4.994	-0.009	96	3070594	24.0	22.5	
26 Ethyl ether	31	5.136	5.156	-0.020	86	1035041	8.00	7.29	
27 1,1-Dichloroethene	96	5.449	5.449	0.000	95	819140	8.00	7.11	
28 Acrylonitrile	53	5.567	5.569	-0.002	92	402870	8.00	8.18	
29 2-Methyl-2-propanol	59	5.562	5.591	-0.029	95	1325096	8.00	7.60	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.621	5.626	-0.005	94	1901066	8.00	7.58	
31 Methylene Chloride	84	5.799	5.795	0.004	92	705639	8.00	7.62	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.810	5.809	0.001	97	802141	8.00	7.37	
33 Carbon disulfide	76	5.945	5.946	-0.001	97	2188886	8.00	7.47	
34 trans-1,2-Dichloroethene	96	6.603	6.598	0.005	88	832733	8.00	7.61	
35 2-Methylpentane	43	6.613	6.611	0.002	91	1587724	8.00	7.30	
36 Methyl tert-butyl ether	73	6.716	6.735	-0.019	95	1986172	8.00	7.46	
37 1,1-Dichloroethane	63	7.023	7.016	0.007	99	1238558	8.00	7.15	
38 Vinyl acetate	43	7.131	7.154	-0.023	99	1995239	8.00	7.95	
39 2-Butanone (MEK)	72	7.573	7.586	-0.013	97	368171	8.00	7.41	
40 Hexane	56	7.595	7.597	-0.002	88	454422	8.00	7.23	
41 Isopropyl ether	45	7.757	7.770	-0.013	93	2306310	8.00	7.37	
42 cis-1,2-Dichloroethene	96	8.010	8.003	0.007	85	847777	8.00	7.83	
43 Ethyl acetate	43	8.193	8.209	-0.016	96	1735256	8.00	7.80	
44 Chloroform	83	8.361	8.348	0.013	95	1694439	8.00	7.66	
45 Tert-butyl ethyl ether	59	8.436	8.449	-0.013	95	2005706	8.00	7.47	
46 Tetrahydrofuran	42	8.738	8.763	-0.025	90	816172	8.00	8.00	
47 1,1,1-Trichloroethane	97	9.385	9.378	0.007	94	1823382	8.00	7.46	
48 1,2-Dichloroethane	62	9.504	9.497	0.007	95	922073	8.00	7.99	
49 n-Butanol	31	9.957	9.995	-0.038	91	507026	8.00	8.18	
50 Cyclohexane	69	9.989	9.998	-0.009	78	343299	8.00	8.20	
51 Benzene	78	10.000	9.994	0.006	94	2292364	8.00	7.99	
52 Carbon tetrachloride	117	10.021	10.013	0.008	93	2121777	8.00	8.79	
53 2,3-Dimethylpentane	71	10.124	10.129	-0.005	86	474490	8.00	7.53	
54 Thiophene	84	10.286	10.279	0.007	92	1219766	8.00	8.18	
55 Isooctane	57	10.803	10.797	0.006	92	2801948	8.00	7.96	
56 n-Heptane	71	11.197	11.196	0.001	92	739893	8.00	8.14	
57 1,2-Dichloropropane	63	11.278	11.274	0.004	85	800419	8.00	7.95	
58 Trichloroethene	130	11.316	11.309	0.007	94	1242769	8.00	8.27	
59 Dibromomethane	93	11.396	11.394	0.002	94	1135240	8.00	8.39	
60 Dichlorobromomethane	83	11.553	11.545	0.008	97	1856813	8.00	8.39	
61 1,4-Dioxane	88	11.558	11.584	-0.026	41	361124	8.00	7.93	
62 Methyl methacrylate	41	11.655	11.662	-0.007	91	1008429	8.00	8.28	
63 Methylcyclohexane	83	12.103	12.101	0.002	91	1288874	8.00	8.18	
64 4-Methyl-2-pentanone (MIBK)	43	12.523	12.535	-0.012	98	1912733	8.00	8.27	
65 cis-1,3-Dichloropropene	75	12.588	12.584	0.004	95	1330127	8.00	8.54	
66 trans-1,3-Dichloropropene	75	13.300	13.298	0.002	96	1219528	8.00	8.76	
67 Toluene	91	13.419	13.418	0.001	93	2815839	8.00	8.26	
68 1,1,2-Trichloroethane	83	13.499	13.494	0.005	94	864744	8.00	8.04	
69 2-Hexanone	58	13.888	13.906	-0.018	91	839349	8.00	8.50	
70 n-Octane	85	14.130	14.127	0.003	89	820136	8.00	8.08	
71 Chlorodibromomethane	129	14.206	14.204	0.002	95	2317672	8.00	9.07	
72 Ethylene Dibromide	107	14.497	14.498	-0.001	95	1714125	8.00	8.53	
73 Tetrachloroethene	129	14.573	14.574	-0.001	91	1189227	8.00	8.48	
74 Chlorobenzene	112	15.457	15.457	0.000	97	2463869	8.00	8.39	
75 2,3-Dimethylheptane	43	15.484	15.484	0.000	94	2579850	8.00	8.09	
76 Ethylbenzene	91	15.748	15.750	-0.002	98	3817834	8.00	8.45	
77 m-Xylene & p-Xylene	91	15.915	15.913	0.002	96	6337651	16.0	17.6	
78 n-Nonane	57	16.341	16.341	0.000	87	1441768	8.00	8.80	
79 Bromoform	173	16.357	16.357	0.000	91	2638964	8.00	13.0	
80 Styrene	104	16.379	16.379	0.000	96	2403996	8.00	9.38	
81 o-Xylene	91	16.444	16.441	0.003	99	3143526	8.00	8.48	
82 1,1,2,2-Tetrachloroethane	83	16.767	16.767	0.000	98	2507178	8.00	8.57	
83 1,2,3-Trichloropropane	110	16.924	16.937	-0.013	92	735824	8.00	8.60	

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	17.026	17.029	-0.003	95	4977435	8.00	8.73	
85 N-Propylbenzene	120	17.576	17.578	-0.002	100	1399783	8.00	8.93	
86 2-Chlorotoluene	126	17.619	17.622	-0.003	96	1421610	8.00	8.75	
87 4-Ethyltoluene	105	17.732	17.734	-0.002	99	5034405	8.00	8.83	
88 1,3,5-Trimethylbenzene	120	17.813	17.811	0.002	96	2133569	8.00	8.87	
89 Alpha Methyl Styrene	118	18.051	18.048	0.003	90	2251329	8.00	10.4	
90 n-Decane	57	18.115	18.113	0.002	87	1991516	8.00	8.81	
91 tert-Butylbenzene	119	18.245	18.245	0.000	94	5200938	8.00	9.95	
92 1,2,4-Trimethylbenzene	105	18.261	18.259	0.002	96	4913666	8.00	10.3	
93 sec-Butylbenzene	105	18.525	18.521	0.004	98	7523394	8.00	10.4	
94 1,3-Dichlorobenzene	146	18.531	18.531	0.000	96	3858714	8.00	11.0	
95 Benzyl chloride	91	18.611	18.612	-0.001	98	4115468	8.00	12.4	
96 1,4-Dichlorobenzene	146	18.622	18.622	0.000	97	3658125	8.00	11.0	
97 4-Isopropyltoluene	119	18.687	18.688	-0.001	96	5951454	8.00	10.1	
98 1,2,3-Trimethylbenzene	105	18.741	18.740	0.001	99	4559733	8.00	9.51	
99 Butylcyclohexane	83	18.800	18.796	0.004	93	3226574	8.00	8.91	
100 2,3-Dihydroindene	117	18.989	18.988	0.001	94	5164194	8.00	10.7	
101 1,2-Dichlorobenzene	146	18.989	18.987	0.002	84	3925585	8.00	11.0	
102 Indene	116	19.124	19.122	0.002	94	4589345	8.00	12.4	
103 n-Butylbenzene	91	19.129	19.130	-0.001	96	6195142	8.00	10.5	
104 Undecane	57	19.453	19.453	0.000	85	2590479	8.00	9.40	
105 1,2-Dibromo-3-Chloropropane	157	19.598	19.601	-0.003	92	1831045	8.00	11.5	
106 1,2,4,5-Tetramethylbenzene	119	19.895	19.895	0.000	98	5578614	8.00	10.2	
107 Dodecane	57	20.510	20.510	0.000	84	2768185	8.00	10.4	
108 1,2,4-Trichlorobenzene	180	20.693	20.695	-0.002	94	2366617	8.00	10.2	
109 Naphthalene	128	20.833	20.834	-0.001	99	5265913	8.00	9.11	
110 Hexachlorobutadiene	225	21.049	21.052	-0.003	90	2548056	8.00	10.5	
111 1,2,3-Trichlorobenzene	180	21.119	21.121	-0.002	93	2300903	8.00	9.14	
112 2-Methylnaphthalene	142	21.847	21.857	-0.010	99	6794183	8.00	8.21	
113 1-Methylnaphthalene	142	21.982	21.969	0.013	99	8211957	8.00	14.7	e
A 116 C8 Range	1	14.125	(14.082-14.179)		0	7761149	8.00	7.99	
S 117 Xylenes, Total	100				0		24.0	26.1	
S 118 1,2-Dichloroethene, Total	1				0		16.0	15.4	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Reagents:

40L9DQP_00017	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

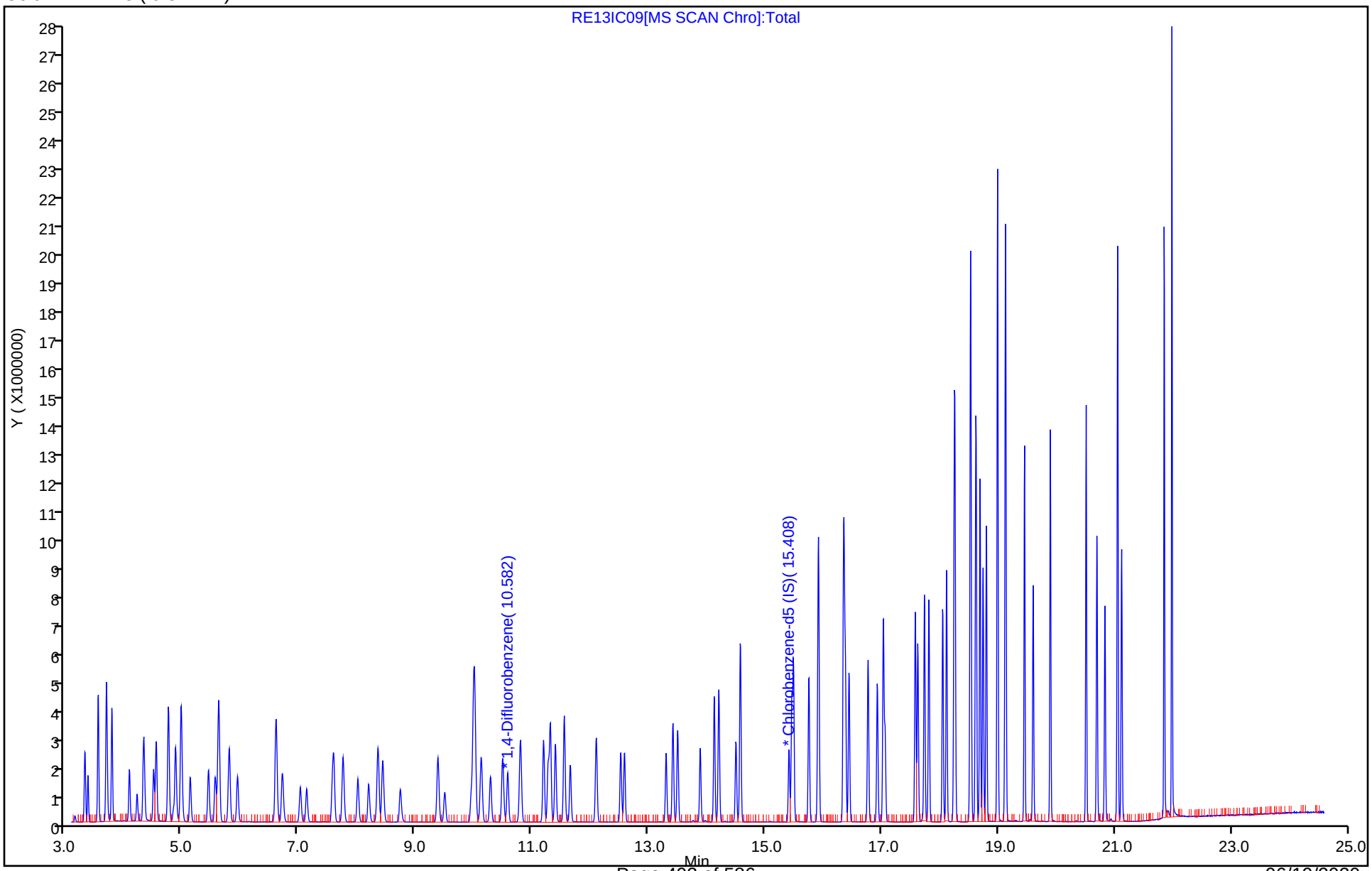
Report Date: 14-May-2020 14:47:48 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC09.D

Injection Date:	13-May-2020 11:40:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L9			Worklist Smp#:	6
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

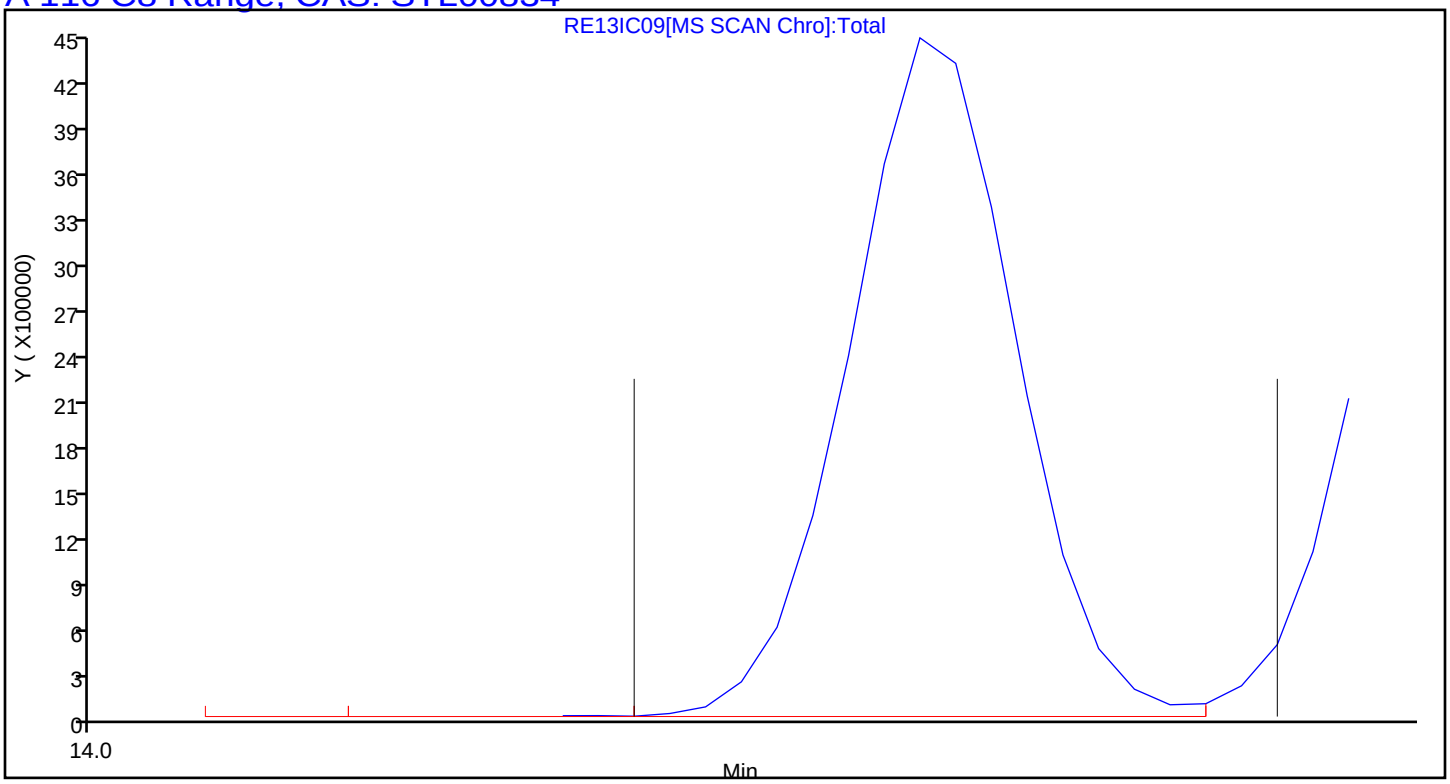


Report Date: 14-May-2020 14:47:48 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC09.D				
Injection Date:	13-May-2020 11:40:30	Instrument ID:	MR		
Lims ID:	IC L9				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	7	Worklist Smp#:	6
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC08.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 13-May-2020 13:16:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015465-008
Misc. Info.: 297185
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-May-2020 14:47:55 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: tajh Date: 14-May-2020 08:13:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.355	8.336	0.019	83	290883	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.588	10.577	0.011	93	1917251	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.414	15.409	0.005	83	1618313	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.058	17.057	0.001	95	924049	4.00	4.23	
6 Chlorodifluoromethane	51	3.329	3.326	0.003	98	544176	4.00	3.70	
7 Propene	41	3.340	3.335	0.005	99	362773	4.00	3.87	
8 Dichlorodifluoromethane	85	3.389	3.400	-0.011	98	527154	4.00	3.35	
9 Chloromethane	52	3.561	3.555	0.006	71	95086	4.00	3.20	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.572	3.561	0.011	89	501484	4.00	3.22	
11 Acetaldehyde	44	3.712	3.705	0.007	85	856816	20.0	17.1	
12 Vinyl chloride	62	3.718	3.713	0.005	98	434903	4.00	3.42	
13 Butane	43	3.804	3.793	0.011	88	660439	4.00	3.48	
14 Butadiene	54	3.804	3.796	0.008	66	317866	4.00	3.67	
15 Bromomethane	94	4.106	4.094	0.012	97	507825	4.00	3.41	
16 Chloroethane	64	4.241	4.227	0.014	87	235350	4.00	3.52	
17 Ethanol	31	4.354	4.339	0.015	95	1545102	20.0	19.4	
18 Vinyl bromide	106	4.521	4.511	0.010	97	573856	4.00	3.58	
19 2-Methylbutane	43	4.564	4.556	0.008	94	553195	4.00	3.70	
20 Trichlorofluoromethane	101	4.780	4.763	0.017	97	1392462	4.00	3.74	
21 Acrolein	56	4.791	4.749	0.042	85	102950	4.00	3.73	
22 Acetonitrile	40	4.866	4.860	0.006	97	169960	4.00	4.07	
23 Acetone	58	4.899	4.901	-0.002	98	526945	12.0	10.1	
24 Pentane	72	4.990	4.971	0.019	93	68824	4.00	3.44	
25 Isopropyl alcohol	45	5.001	4.994	0.007	94	1605097	12.0	11.5	
26 Ethyl ether	31	5.157	5.156	0.001	86	554636	4.00	3.81	
27 1,1-Dichloroethene	96	5.465	5.449	0.016	94	439837	4.00	3.73	
29 2-Methyl-2-propanol	59	5.578	5.591	-0.013	94	702459	4.00	3.93	
28 Acrylonitrile	53	5.589	5.569	0.020	49	203454	4.00	4.03	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.643	5.626	0.017	94	987140	4.00	3.84	
31 Methylene Chloride	84	5.810	5.795	0.015	91	406471	4.00	3.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.826	5.809	0.017	91	409553	4.00	3.67	
33 Carbon disulfide	76	5.961	5.946	0.015	97	1164811	4.00	3.88	
34 trans-1,2-Dichloroethene	96	6.619	6.598	0.021	93	431712	4.00	3.85	
35 2-Methylpentane	43	6.630	6.611	0.019	94	839477	4.00	3.77	
36 Methyl tert-butyl ether	73	6.737	6.735	0.002	95	1051107	4.00	3.85	
37 1,1-Dichloroethane	63	7.039	7.016	0.023	99	676623	4.00	3.81	
38 Vinyl acetate	43	7.147	7.154	-0.007	99	1029139	4.00	4.00	
39 2-Butanone (MEK)	72	7.589	7.586	0.003	98	184856	4.00	3.63	
40 Hexane	56	7.611	7.597	0.014	88	240181	4.00	3.73	
41 Isopropyl ether	45	7.773	7.770	0.003	92	1220698	4.00	3.81	
42 cis-1,2-Dichloroethene	96	8.021	8.003	0.018	84	446765	4.00	4.03	
43 Ethyl acetate	43	8.210	8.209	0.001	97	921501	4.00	4.04	
44 Chloroform	83	8.366	8.348	0.018	97	908889	4.00	4.01	
45 Tert-butyl ethyl ether	59	8.452	8.449	0.003	95	1079421	4.00	3.93	
46 Tetrahydrofuran	42	8.760	8.763	-0.003	93	434679	4.00	4.16	
47 1,1,1-Trichloroethane	97	9.396	9.378	0.018	93	958273	4.00	3.83	
48 1,2-Dichloroethane	62	9.514	9.497	0.017	95	487912	4.00	3.95	
49 n-Butanol	31	9.967	9.995	-0.028	93	267847	4.00	4.04	
50 Cyclohexane	69	10.005	9.998	0.007	68	171543	4.00	3.83	
51 Benzene	78	10.011	9.994	0.017	94	1182775	4.00	3.85	
52 Carbon tetrachloride	117	10.032	10.013	0.019	92	1098945	4.00	4.26	
53 2,3-Dimethylpentane	71	10.145	10.129	0.016	86	255402	4.00	3.79	
54 Thiophene	84	10.296	10.279	0.017	92	638510	4.00	4.00	
55 Isooctane	57	10.803	10.797	0.006	93	1486980	4.00	3.95	
56 n-Heptane	71	11.202	11.196	0.006	93	390132	4.00	4.01	
57 1,2-Dichloropropane	63	11.283	11.274	0.009	85	424000	4.00	3.94	
58 Trichloroethene	130	11.321	11.309	0.012	95	644687	4.00	4.01	
59 Dibromomethane	93	11.407	11.394	0.013	93	569026	4.00	3.93	
60 Dichlorobromomethane	83	11.558	11.545	0.013	96	955114	4.00	4.03	
61 1,4-Dioxane	88	11.564	11.584	-0.020	40	199335	4.00	4.09	
62 Methyl methacrylate	41	11.666	11.662	0.004	92	518429	4.00	3.98	
63 Methylcyclohexane	83	12.103	12.101	0.002	93	673517	4.00	4.00	
64 4-Methyl-2-pentanone (MIBK)	43	12.529	12.535	-0.006	98	996049	4.00	4.03	
65 cis-1,3-Dichloropropene	75	12.588	12.584	0.004	94	690529	4.00	4.15	
66 trans-1,3-Dichloropropene	75	13.305	13.298	0.007	97	614529	4.00	4.15	
67 Toluene	91	13.424	13.418	0.006	93	1430982	4.00	3.95	
68 1,1,2-Trichloroethane	83	13.499	13.494	0.005	93	436637	4.00	3.82	
69 2-Hexanone	58	13.893	13.906	-0.013	91	437918	4.00	4.17	
70 n-Octane	85	14.130	14.127	0.003	89	426743	4.00	3.95	
71 Chlorodibromomethane	129	14.211	14.204	0.007	95	1163791	4.00	4.28	
72 Ethylene Dibromide	107	14.502	14.498	0.004	94	867334	4.00	4.06	
73 Tetrachloroethene	129	14.578	14.574	0.004	91	599288	4.00	4.02	
74 Chlorobenzene	112	15.462	15.457	0.005	97	1219201	4.00	3.90	
75 2,3-Dimethylheptane	43	15.489	15.484	0.005	94	1321683	4.00	3.90	
76 Ethylbenzene	91	15.753	15.750	0.003	98	1969191	4.00	4.10	
77 m-Xylene & p-Xylene	91	15.915	15.913	0.002	97	3097356	8.00	8.10	
78 n-Nonane	57	16.347	16.341	0.006	88	694918	4.00	3.99	
79 Bromoform	173	16.357	16.357	0.000	90	1162724	4.00	5.37	
80 Styrene	104	16.379	16.379	0.000	96	1145574	4.00	4.20	
81 o-Xylene	91	16.444	16.441	0.003	99	1593283	4.00	4.04	
82 1,1,2,2-Tetrachloroethane	83	16.767	16.767	0.000	98	1274214	4.00	4.10	
83 1,2,3-Trichloropropane	110	16.924	16.937	-0.013	92	372125	4.00	4.09	

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	17.031	17.029	0.002	95	2430896	4.00	4.01	
85 N-Propylbenzene	120	17.581	17.578	0.003	100	683222	4.00	4.10	
86 2-Chlorotoluene	126	17.625	17.622	0.003	95	695521	4.00	4.03	
87 4-Ethyltoluene	105	17.732	17.734	-0.002	99	2466832	4.00	4.07	
88 1,3,5-Trimethylbenzene	120	17.813	17.811	0.002	92	1021031	4.00	3.99	
89 Alpha Methyl Styrene	118	18.051	18.048	0.003	90	1048296	4.00	4.56	
90 n-Decane	57	18.115	18.113	0.002	87	989347	4.00	4.12	
91 tert-Butylbenzene	119	18.245	18.245	0.000	94	2362884	4.00	4.25	
92 1,2,4-Trimethylbenzene	105	18.261	18.259	0.002	96	2211171	4.00	4.35	
93 sec-Butylbenzene	105	18.520	18.521	-0.001	98	3414650	4.00	4.42	
94 1,3-Dichlorobenzene	146	18.531	18.531	0.000	97	1654967	4.00	4.43	
95 Benzyl chloride	91	18.611	18.612	-0.001	98	1755967	4.00	4.99	
96 1,4-Dichlorobenzene	146	18.622	18.622	0.000	95	1609132	4.00	4.55	
97 4-Isopropyltoluene	119	18.687	18.688	-0.001	96	2758011	4.00	4.40	
98 1,2,3-Trimethylbenzene	105	18.741	18.740	0.001	99	2226933	4.00	4.37	
99 Butylcyclohexane	83	18.795	18.796	-0.001	94	1571360	4.00	4.08	
100 2,3-Dihydroindene	117	18.989	18.988	0.001	94	2288609	4.00	4.48	
101 1,2-Dichlorobenzene	146	18.989	18.987	0.002	96	1684758	4.00	4.46	
102 Indene	116	19.118	19.122	-0.004	95	1941290	4.00	4.93	
103 n-Butylbenzene	91	19.129	19.130	-0.001	96	2829701	4.00	4.50	
104 Undecane	57	19.453	19.453	0.000	86	1238052	4.00	4.22	
105 1,2-Dibromo-3-Chloropropane	157	19.604	19.601	0.003	92	819457	4.00	4.83	
106 1,2,4,5-Tetramethylbenzene	119	19.895	19.895	0.000	98	2641864	4.00	4.53	
107 Dodecane	57	20.510	20.510	0.000	85	1322618	4.00	4.67	
108 1,2,4-Trichlorobenzene	180	20.693	20.695	-0.002	94	1090146	4.00	4.42	
109 Naphthalene	128	20.833	20.834	-0.001	99	2638412	4.00	4.29	
110 Hexachlorobutadiene	225	21.049	21.052	-0.003	89	1108653	4.00	4.31	
111 1,2,3-Trichlorobenzene	180	21.119	21.121	-0.002	93	1093294	4.00	4.08	
112 2-Methylnaphthalene	142	21.847	21.857	-0.010	100	2880134	4.00	3.66	
113 1-Methylnaphthalene	142	21.982	21.969	0.013	99	3781820	4.00	6.38	
A 116 C8 Range	1	14.123	(14.087-14.173)		0	4007849	4.00	3.86	
S 117 Xylenes, Total	100				0		12.0	12.1	
S 118 1,2-Dichloroethene, Total	1				0		8.00	7.88	

Reagents:

40L8DQP_00017	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

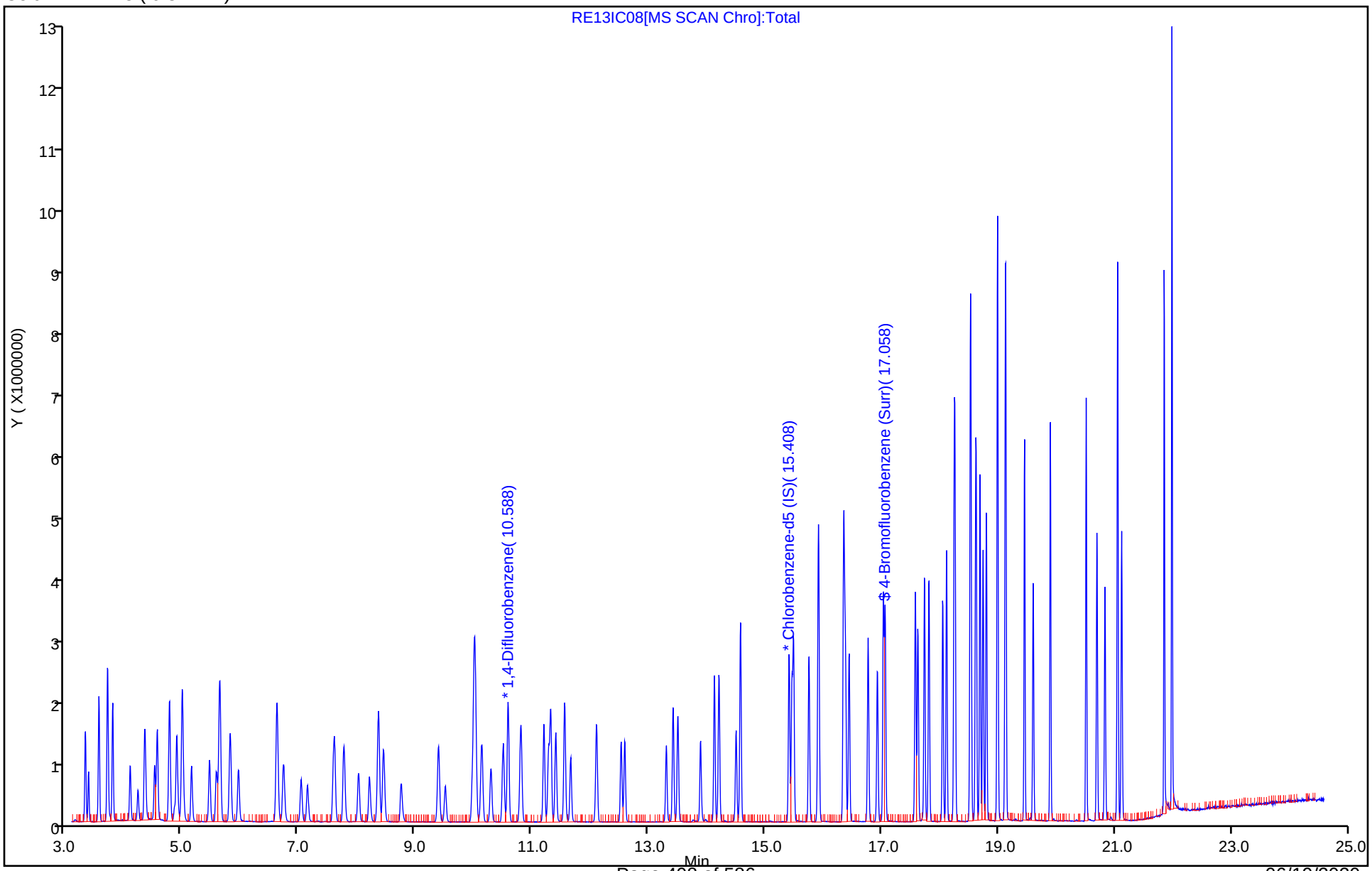
Report Date: 14-May-2020 14:47:56 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC08.D

Injection Date:	13-May-2020 13:16:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L8			Worklist Smp#:	8
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

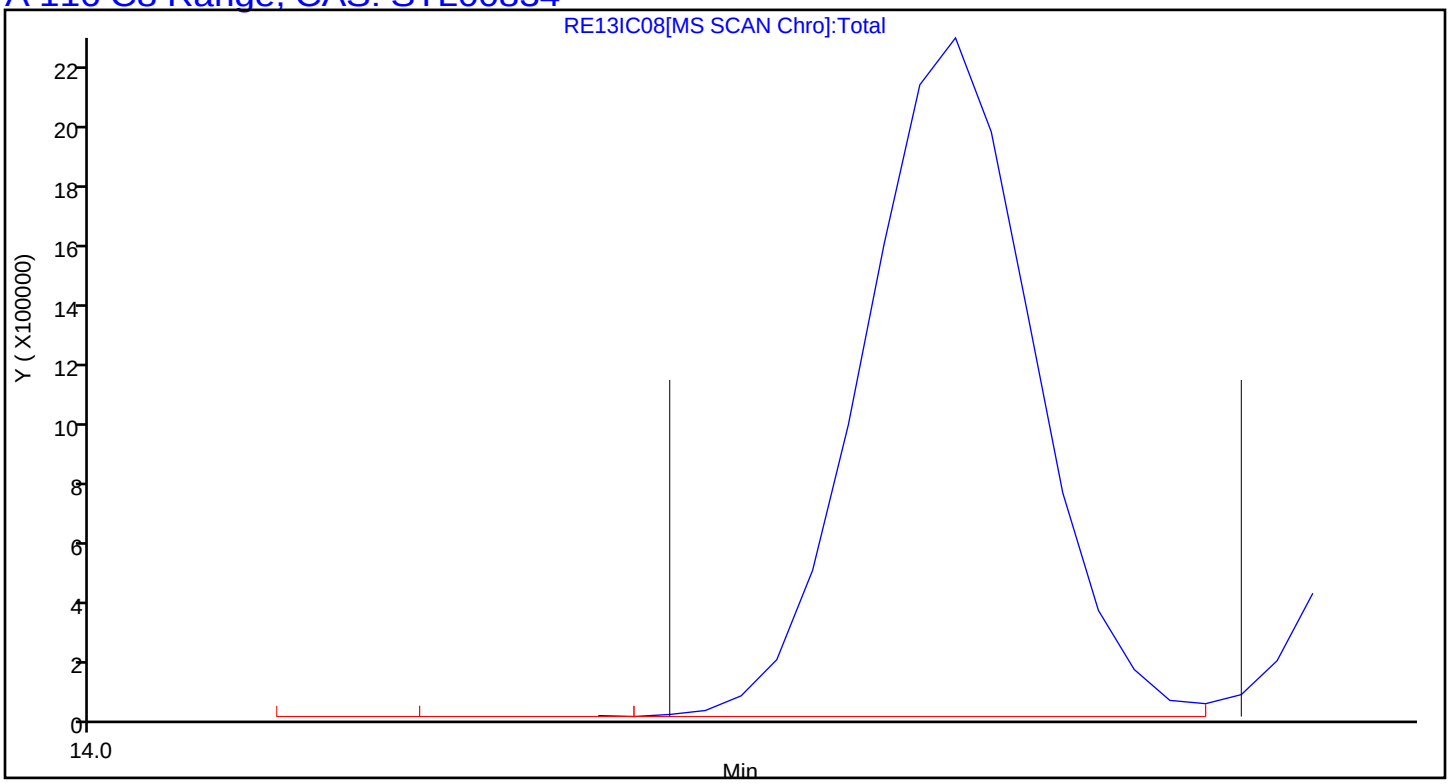


Report Date: 14-May-2020 14:47:56 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC08.D				
Injection Date:	13-May-2020 13:16:30	Instrument ID:	MR		
Lims ID:	IC L8				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	7	Worklist Smp#:	8
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC06.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 13-May-2020 15:40:30 ALS Bottle#: 4 Worklist Smp#: 11
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015465-011
Misc. Info.: 297342
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-May-2020 14:48:03 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: tajh Date: 14-May-2020 08:14:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.334	8.336	-0.002	79	265281	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.577	10.577	0.000	93	1789592	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.408	15.409	-0.001	83	1507227	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.059	17.057	0.002	94	790379	4.00	3.89	
6 Chlorodifluoromethane	51	3.324	3.326	-0.002	99	149935	1.00	1.12	
7 Propene	41	3.335	3.335	0.000	99	136665	1.00	0.9617	
8 Dichlorodifluoromethane	85	3.383	3.400	-0.017	97	139554	1.00	0.9732	
9 Chloromethane	52	3.556	3.555	0.001	66	26645	1.00	0.9843	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.556	3.561	-0.005	87	134036	1.00	0.9429	
11 Acetaldehyde	44	3.696	3.705	-0.009	85	248420	5.00	5.43	
12 Vinyl chloride	62	3.712	3.713	-0.001	99	125988	1.00	1.09	
13 Butane	43	3.793	3.793	0.000	86	191785	1.00	1.11	
14 Butadiene	54	3.793	3.796	-0.003	67	85466	1.00	1.08	
15 Bromomethane	94	4.090	4.094	-0.004	97	139351	1.00	1.03	
16 Chloroethane	64	4.225	4.227	-0.002	87	62934	1.00	1.03	
17 Ethanol	31	4.327	4.339	-0.012	94	381467	5.00	5.26	
18 Vinyl bromide	106	4.505	4.511	-0.006	95	154628	1.00	1.06	
19 2-Methylbutane	43	4.554	4.556	-0.002	92	144326	1.00	1.06	
20 Trichlorofluoromethane	101	4.759	4.763	-0.004	97	357582	1.00	1.05	
21 Acrolein	56	4.780	4.749	0.031	81	25757	1.00	1.02	
22 Acetonitrile	40	4.839	4.860	-0.021	93	32755	1.00	0.8602	
23 Acetone	58	4.883	4.901	-0.018	99	136214	3.00	2.88	
24 Pentane	72	4.969	4.971	-0.002	95	18804	1.00	1.03	
25 Isopropyl alcohol	45	4.980	4.994	-0.014	93	389513	3.00	3.05	
26 Ethyl ether	31	5.141	5.156	-0.015	85	136704	1.00	1.03	
27 1,1-Dichloroethene	96	5.443	5.449	-0.006	97	102940	1.00	0.9565	
29 2-Methyl-2-propanol	59	5.573	5.591	-0.018	96	165170	1.00	1.01	
28 Acrylonitrile	53	5.562	5.569	-0.007	57	45254	1.00	0.9839	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.616	5.626	-0.010	95	239701	1.00	1.02	
31 Methylene Chloride	84	5.788	5.795	-0.007	92	138221	1.00	0.9836	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.799	5.809	-0.010	97	103902	1.00	1.02	
33 Carbon disulfide	76	5.945	5.946	-0.001	97	281079	1.00	1.03	
34 trans-1,2-Dichloroethene	96	6.592	6.598	-0.006	92	99956	1.00	0.9780	
35 2-Methylpentane	43	6.619	6.611	0.008	94	205999	1.00	1.01	
36 Methyl tert-butyl ether	73	6.727	6.735	-0.008	95	262767	1.00	1.06	
37 1,1-Dichloroethane	63	7.007	7.016	-0.009	99	162595	1.00	1.00	
38 Vinyl acetate	43	7.126	7.154	-0.028	99	227383	1.00	0.9692	
39 2-Butanone (MEK)	72	7.584	7.586	-0.002	86	44326	1.00	0.9547	
40 Hexane	56	7.595	7.597	-0.002	83	60831	1.00	1.04	
41 Isopropyl ether	45	7.762	7.770	-0.008	97	301202	1.00	1.03	
42 cis-1,2-Dichloroethene	96	8.005	8.003	0.002	85	103316	1.00	1.02	
43 Ethyl acetate	43	8.204	8.209	-0.005	96	214611	1.00	1.03	
44 Chloroform	83	8.344	8.348	-0.004	68	216863	1.00	1.05	
45 Tert-butyl ethyl ether	59	8.436	8.449	-0.013	95	255945	1.00	1.02	
46 Tetrahydrofuran	42	8.749	8.763	-0.014	89	103083	1.00	1.08	
47 1,1,1-Trichloroethane	97	9.385	9.378	0.007	93	220683	1.00	0.9669	
48 1,2-Dichloroethane	62	9.498	9.497	0.001	95	115663	1.00	1.00	
49 n-Butanol	31	9.973	9.995	-0.022	84	62397	1.00	1.01	
50 Cyclohexane	69	9.978	9.998	-0.020	78	39382	1.00	0.9422	
51 Benzene	78	9.995	9.994	0.001	93	275995	1.00	0.9629	
52 Carbon tetrachloride	117	10.016	10.013	0.003	93	218322	1.00	0.9063	
53 2,3-Dimethylpentane	71	10.129	10.129	0.000	87	65316	1.00	1.04	
54 Thiophene	84	10.286	10.279	0.007	93	146391	1.00	0.9830	
55 Isooctane	57	10.803	10.797	0.006	94	358583	1.00	1.02	
56 n-Heptane	71	11.197	11.196	0.001	89	93961	1.00	1.03	
57 1,2-Dichloropropane	63	11.267	11.274	-0.007	84	101465	1.00	1.01	
58 Trichloroethene	130	11.305	11.309	-0.004	95	152718	1.00	1.02	
59 Dibromomethane	93	11.391	11.394	-0.003	90	135909	1.00	1.01	
60 Dichlorobromomethane	83	11.553	11.545	0.008	96	214287	1.00	0.9696	
61 1,4-Dioxane	88	11.569	11.584	-0.015	80	42062	1.00	0.9246	
62 Methyl methacrylate	41	11.661	11.662	-0.001	91	116652	1.00	0.9593	
63 Methylcyclohexane	83	12.103	12.101	0.002	91	162303	1.00	1.03	
64 4-Methyl-2-pentanone (MIBK)	43	12.524	12.535	-0.011	98	240528	1.00	1.04	
65 cis-1,3-Dichloropropene	75	12.583	12.584	-0.001	92	151432	1.00	0.9744	
66 trans-1,3-Dichloropropene	75	13.295	13.298	-0.003	96	136226	1.00	0.9879	
67 Toluene	91	13.419	13.418	0.001	93	328539	1.00	0.9728	
68 1,1,2-Trichloroethane	83	13.500	13.494	0.006	94	102139	1.00	0.9591	
69 2-Hexanone	58	13.888	13.906	-0.018	90	101263	1.00	1.04	
70 n-Octane	85	14.125	14.127	-0.002	92	95807	1.00	0.9530	
71 Chlorodibromomethane	129	14.206	14.204	0.002	96	233896	1.00	0.9245	
72 Ethylene Dibromide	107	14.497	14.498	-0.001	95	193716	1.00	0.9729	
73 Tetrachloroethene	129	14.573	14.574	-0.001	89	131499	1.00	0.9473	
74 Chlorobenzene	112	15.457	15.457	0.000	98	277170	1.00	0.9527	
75 2,3-Dimethylheptane	43	15.484	15.484	0.000	94	307277	1.00	0.9727	
76 Ethylbenzene	91	15.754	15.750	0.004	97	428751	1.00	0.9585	
77 m-Xylene & p-Xylene	91	15.915	15.913	0.002	98	678852	2.00	1.91	
78 n-Nonane	57	16.341	16.341	0.000	88	151438	1.00	0.9338	
79 Bromoform	173	16.358	16.357	0.001	89	206639	1.00	1.02	
80 Styrene	104	16.379	16.379	0.000	96	233606	1.00	0.9202	
81 o-Xylene	91	16.438	16.441	-0.003	99	340184	1.00	0.9268	
82 1,1,2,2-Tetrachloroethane	83	16.767	16.767	0.000	96	269843	1.00	0.9317	
83 1,2,3-Trichloropropane	110	16.924	16.937	-0.013	93	77731	1.00	0.9168	

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	17.026	17.029	-0.003	94	520193	1.00	0.9211	
85 N-Propylbenzene	120	17.576	17.578	-0.002	100	143246	1.00	0.9228	
86 2-Chlorotoluene	126	17.619	17.622	-0.003	95	138214	1.00	0.8593	
87 4-Ethyltoluene	105	17.733	17.734	-0.001	99	494993	1.00	0.8762	
88 1,3,5-Trimethylbenzene	120	17.808	17.811	-0.003	95	215406	1.00	0.9046	
89 Alpha Methyl Styrene	118	18.045	18.048	-0.003	89	203860	1.00	0.9531	
90 n-Decane	57	18.115	18.113	0.002	85	195271	1.00	0.8721	
91 tert-Butylbenzene	119	18.245	18.245	0.000	94	464635	1.00	0.8975	
92 1,2,4-Trimethylbenzene	105	18.261	18.259	0.002	95	444896	1.00	0.9390	
93 sec-Butylbenzene	105	18.520	18.521	-0.001	98	664854	1.00	0.9246	
94 1,3-Dichlorobenzene	146	18.531	18.531	0.000	95	322494	1.00	0.9276	
95 Benzyl chloride	91	18.612	18.612	0.000	98	339402	1.00	1.04	
96 1,4-Dichlorobenzene	146	18.622	18.622	0.000	96	317089	1.00	0.9620	
97 4-Isopropyltoluene	119	18.687	18.688	-0.001	96	552863	1.00	0.9462	
98 1,2,3-Trimethylbenzene	105	18.741	18.740	0.001	98	447177	1.00	0.9420	
99 Butylcyclohexane	83	18.795	18.796	-0.001	94	324220	1.00	0.9036	
100 2,3-Dihydroindene	117	18.989	18.988	0.001	93	428663	1.00	0.9007	
101 1,2-Dichlorobenzene	146	18.984	18.987	-0.003	83	323812	1.00	0.9203	
102 Indene	116	19.124	19.122	0.002	91	362504	1.00	0.9884	
103 n-Butylbenzene	91	19.129	19.130	-0.001	97	550627	1.00	0.9405	
104 Undecane	57	19.453	19.453	0.000	86	242043	1.00	0.8864	
105 1,2-Dibromo-3-Chloropropane	157	19.604	19.601	0.003	92	153865	1.00	0.9728	
106 1,2,4,5-Tetramethylbenzene	119	19.895	19.895	0.000	98	517266	1.00	0.9518	
107 Dodecane	57	20.510	20.510	0.000	85	218600	1.00	0.8293	
108 1,2,4-Trichlorobenzene	180	20.693	20.695	-0.002	94	212227	1.00	0.9249	
109 Naphthalene	128	20.833	20.834	-0.001	99	594188	1.00	1.04	
110 Hexachlorobutadiene	225	21.049	21.052	-0.003	88	217921	1.00	0.9095	
111 1,2,3-Trichlorobenzene	180	21.124	21.121	0.003	93	225822	1.00	0.9057	
112 2-Methylnaphthalene	142	21.852	21.857	-0.005	99	343092	1.00	1.03	
113 1-Methylnaphthalene	142	21.982	21.969	0.013	98	575499	1.00	1.04	
A 116 C8 Range	1	14.125	(14.082-14.168)		0	916378	1.00	0.9454	
S 117 Xylenes, Total	100				0		3.00	2.83	
S 118 1,2-Dichloroethene, Total	1				0		2.00	2.00	

Reagents:

40L6DQP_00017	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

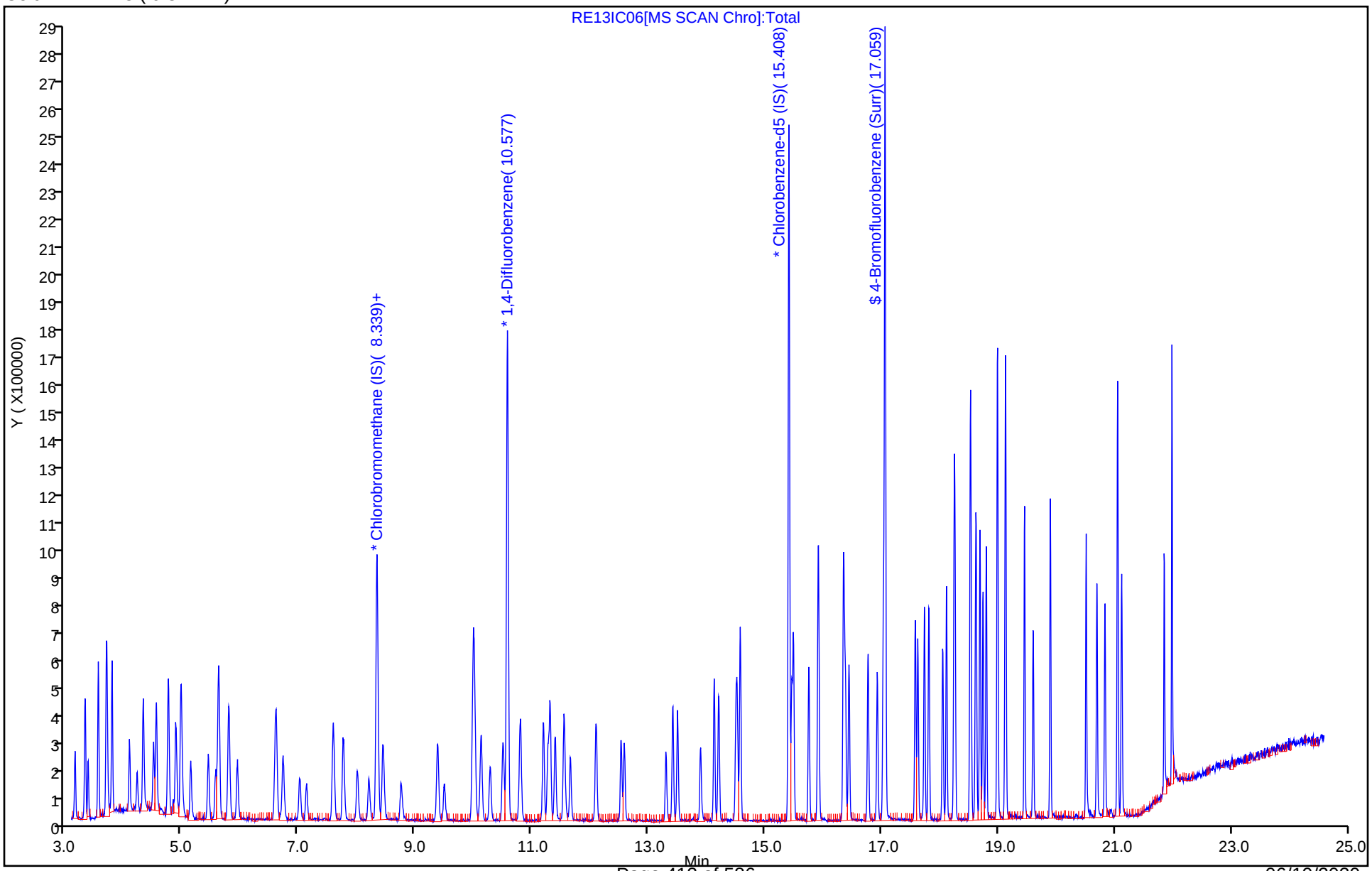
Report Date: 14-May-2020 14:48:04 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC06.D

Injection Date:	13-May-2020 15:40:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L6			Worklist Smp#:	11
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

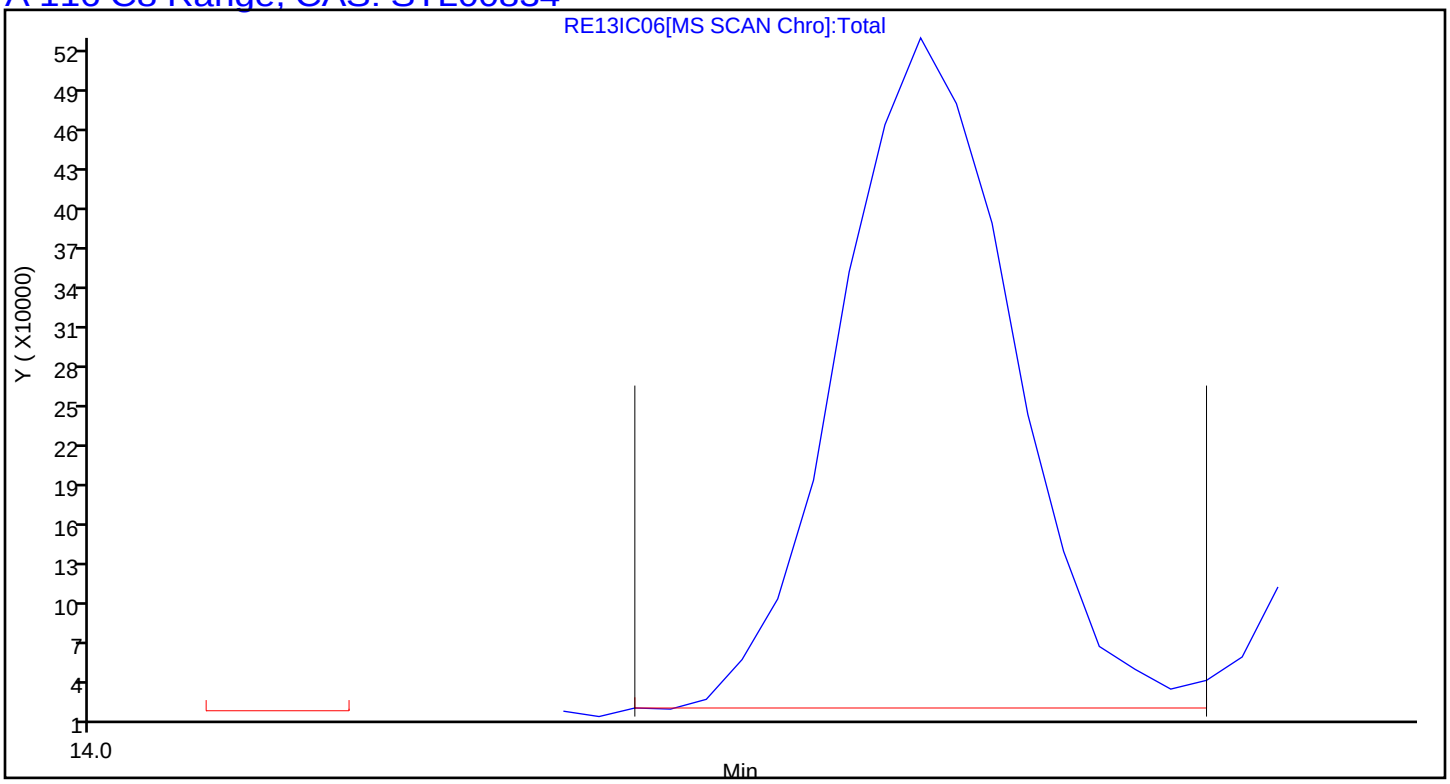


Report Date: 14-May-2020 14:48:04 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC06.D				
Injection Date:	13-May-2020 15:40:30	Instrument ID:	MR		
Lims ID:	IC L6				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	4	Worklist Smp#:	11
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC05.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 13-May-2020 16:29:30 ALS Bottle#: 3 Worklist Smp#: 12
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015465-012
Misc. Info.: 297343
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-May-2020 14:48:11 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: tajh Date: 14-May-2020 08:14:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.334	8.336	-0.002	82	264351	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.571	10.577	-0.006	93	1837261	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.408	15.409	-0.001	84	1496910	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.053	17.057	-0.004	95	783360	4.00	3.88	
6 Chlorodifluoromethane	51	3.330	3.326	0.004	92	51067	0.4000	0.3816	
7 Propene	41	3.335	3.335	0.000	97	88667	0.4000	0.2467	
8 Dichlorodifluoromethane	85	3.383	3.400	-0.017	98	59300	0.4000	0.4150	
9 Chloromethane	52	3.556	3.555	0.001	68	13880	0.4000	0.5146	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.561	3.561	0.000	87	59811	0.4000	0.4222	
11 Acetaldehyde	44	3.707	3.705	0.002	85	108219	2.00	2.37	
12 Vinyl chloride	62	3.718	3.713	0.005	99	48015	0.4000	0.4158	
13 Butane	43	3.799	3.793	0.006	87	73559	0.4000	0.4263	
14 Butadiene	54	3.799	3.796	0.003	65	32016	0.4000	0.4065	
15 Bromomethane	94	4.095	4.094	0.001	94	56852	0.4000	0.4206	
16 Chloroethane	64	4.230	4.227	0.003	81	22295	0.4000	0.3672	
17 Ethanol	31	4.333	4.339	-0.006	93	149918	2.00	2.07	
18 Vinyl bromide	106	4.510	4.511	-0.001	92	57962	0.4000	0.3975	
19 2-Methylbutane	43	4.559	4.556	0.003	92	53348	0.4000	0.3927	
20 Trichlorofluoromethane	101	4.769	4.763	0.006	98	136620	0.4000	0.4034	
21 Acrolein	56	4.785	4.749	0.036	43	11448	0.4000	0.4560	
22 Acetonitrile	40	4.845	4.860	-0.015	87	14941	0.4000	0.3938	
23 Acetone	58	4.899	4.901	-0.002	98	59157	1.20	1.25	
24 Pentane	72	4.969	4.971	-0.002	97	8959	0.4000	0.4925	
25 Isopropyl alcohol	45	4.996	4.994	0.002	94	161323	1.20	1.27	
26 Ethyl ether	31	5.152	5.156	-0.004	89	50366	0.4000	0.3808	
27 1,1-Dichloroethene	96	5.449	5.449	0.000	92	44754	0.4000	0.4173	
28 Acrylonitrile	53	5.562	5.569	-0.007	79	15748	0.4000	0.3436	
29 2-Methyl-2-propanol	59	5.589	5.591	-0.002	95	64369	0.4000	0.3965	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.621	5.626	-0.005	91	90246	0.4000	0.3864	
31 Methylene Chloride	84	5.794	5.795	-0.001	90	91895	0.4000	0.3974	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.810	5.809	0.001	92	40938	0.4000	0.4039	
33 Carbon disulfide	76	5.945	5.946	-0.001	97	112336	0.4000	0.4118	
34 trans-1,2-Dichloroethene	96	6.592	6.598	-0.006	81	41328	0.4000	0.4058	
35 2-Methylpentane	43	6.608	6.611	-0.003	93	80488	0.4000	0.3975	
36 Methyl tert-butyl ether	73	6.732	6.735	-0.003	94	101859	0.4000	0.4109	
37 1,1-Dichloroethane	63	7.007	7.016	-0.009	98	62404	0.4000	0.3869	
38 Vinyl acetate	43	7.126	7.154	-0.028	99	92828	0.4000	0.3971	
39 2-Butanone (MEK)	72	7.584	7.586	-0.002	97	18236	0.4000	0.3942	
40 Hexane	56	7.595	7.597	-0.002	80	24221	0.4000	0.4136	
41 Isopropyl ether	45	7.767	7.770	-0.003	97	119598	0.4000	0.4106	
42 cis-1,2-Dichloroethene	96	7.999	8.003	-0.004	85	39468	0.4000	0.3913	
43 Ethyl acetate	43	8.204	8.209	-0.005	97	81770	0.4000	0.3949	
44 Chloroform	83	8.339	8.348	-0.009	89	81255	0.4000	0.3947	
45 Tert-butyl ethyl ether	59	8.452	8.449	0.003	94	101114	0.4000	0.4046	
46 Tetrahydrofuran	42	8.754	8.763	-0.009	92	44164	0.4000	0.4649	
47 1,1,1-Trichloroethane	97	9.369	9.378	-0.009	93	84109	0.4000	0.3698	
48 1,2-Dichloroethane	62	9.493	9.497	-0.004	92	44227	0.4000	0.3739	
49 n-Butanol	31	9.984	9.995	-0.011	51	21517	0.4000	0.3385	
50 Cyclohexane	69	9.973	9.998	-0.025	77	18741	0.4000	0.4367	
51 Benzene	78	9.995	9.994	0.000	91	106357	0.4000	0.3614	
52 Carbon tetrachloride	117	10.011	10.013	-0.002	93	98212	0.4000	0.3971	
53 2,3-Dimethylpentane	71	10.119	10.129	-0.010	85	25529	0.4000	0.3950	
54 Thiophene	84	10.275	10.279	-0.004	92	60996	0.4000	0.3990	
55 Isooctane	57	10.798	10.797	0.001	93	138388	0.4000	0.3838	
56 n-Heptane	71	11.197	11.196	0.001	90	34786	0.4000	0.3732	
57 1,2-Dichloropropane	63	11.278	11.274	0.004	81	40655	0.4000	0.3938	
58 Trichloroethene	130	11.305	11.309	-0.004	95	59658	0.4000	0.3873	
59 Dibromomethane	93	11.391	11.394	-0.003	90	49756	0.4000	0.3589	
60 Dichlorobromomethane	83	11.542	11.545	-0.003	95	82365	0.4000	0.3630	
61 1,4-Dioxane	88	11.574	11.584	-0.010	69	17975	0.4000	0.3849	
62 Methyl methacrylate	41	11.655	11.662	-0.007	92	48292	0.4000	0.3868	
63 Methylcyclohexane	83	12.098	12.101	-0.003	90	60827	0.4000	0.3765	
64 4-Methyl-2-pentanone (MIBK)	43	12.529	12.535	-0.006	96	91291	0.4000	0.3851	
65 cis-1,3-Dichloropropene	75	12.588	12.584	0.004	94	57563	0.4000	0.3608	
66 trans-1,3-Dichloropropene	75	13.295	13.298	-0.003	93	49988	0.4000	0.3650	
67 Toluene	91	13.413	13.418	-0.005	93	133746	0.4000	0.3987	
68 1,1,2-Trichloroethane	83	13.489	13.494	-0.005	91	38587	0.4000	0.3648	
69 2-Hexanone	58	13.893	13.906	-0.013	88	35392	0.4000	0.3645	
70 n-Octane	85	14.125	14.127	-0.002	87	37299	0.4000	0.3736	
71 Chlorodibromomethane	129	14.195	14.204	-0.009	95	92290	0.4000	0.3673	
72 Ethylene Dibromide	107	14.497	14.498	-0.001	95	69737	0.4000	0.3527	
73 Tetrachloroethene	129	14.573	14.574	-0.001	88	53948	0.4000	0.3913	
74 Chlorobenzene	112	15.457	15.457	0.000	97	109576	0.4000	0.3792	
75 2,3-Dimethylheptane	43	15.489	15.484	0.005	95	119592	0.4000	0.3812	
76 Ethylbenzene	91	15.748	15.750	-0.002	97	170047	0.4000	0.3828	
77 m-Xylene & p-Xylene	91	15.915	15.913	0.002	98	264858	0.8000	0.7487	
78 n-Nonane	57	16.341	16.341	0.000	87	57064	0.4000	0.3543	
79 Bromoform	173	16.358	16.357	0.001	87	73667	0.4000	0.3678	
80 Styrene	104	16.379	16.379	0.000	95	83732	0.4000	0.3321	
81 o-Xylene	91	16.433	16.441	-0.008	98	137127	0.4000	0.3762	
82 1,1,2,2-Tetrachloroethane	83	16.767	16.767	0.000	94	105785	0.4000	0.3678	
83 1,2,3-Trichloropropane	110	16.929	16.937	-0.008	92	32751	0.4000	0.3890	

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	17.026	17.029	-0.003	93	203049	0.4000	0.3620	
85 N-Propylbenzene	120	17.576	17.578	-0.002	100	55439	0.4000	0.3596	
86 2-Chlorotoluene	126	17.619	17.622	-0.003	96	55478	0.4000	0.3473	
87 4-Ethyltoluene	105	17.733	17.734	-0.001	99	192737	0.4000	0.3435	
88 1,3,5-Trimethylbenzene	120	17.808	17.811	-0.003	92	82307	0.4000	0.3480	
89 Alpha Methyl Styrene	118	18.045	18.048	-0.003	81	67569	0.4000	0.3181	
90 n-Decane	57	18.110	18.113	-0.003	85	77497	0.4000	0.3485	
91 tert-Butylbenzene	119	18.245	18.245	0.000	96	184822	0.4000	0.3595	
92 1,2,4-Trimethylbenzene	105	18.256	18.259	-0.003	96	163546	0.4000	0.3476	
93 sec-Butylbenzene	105	18.520	18.521	-0.001	98	248103	0.4000	0.3474	
94 1,3-Dichlorobenzene	146	18.531	18.531	0.000	95	121255	0.4000	0.3512	
95 Benzyl chloride	91	18.612	18.612	0.000	97	119918	0.4000	0.3683	
96 1,4-Dichlorobenzene	146	18.622	18.622	0.000	91	111171	0.4000	0.3396	
97 4-Isopropyltoluene	119	18.687	18.688	-0.001	97	206284	0.4000	0.3555	
98 1,2,3-Trimethylbenzene	105	18.736	18.740	-0.004	97	167853	0.4000	0.3560	
99 Butylcyclohexane	83	18.795	18.796	-0.001	93	118801	0.4000	0.3334	
101 1,2-Dichlorobenzene	146	18.984	18.987	-0.003	87	124684	0.4000	0.3568	
100 2,3-Dihydroindene	117	18.984	18.988	-0.004	93	160678	0.4000	0.3399	
102 Indene	116	19.118	19.122	-0.004	95	128236	0.4000	0.3521	
103 n-Butylbenzene	91	19.129	19.130	-0.001	97	201057	0.4000	0.3458	
104 Undecane	57	19.453	19.453	0.000	84	81882	0.4000	0.3019	
105 1,2-Dibromo-3-Chloropropane	157	19.604	19.601	0.003	88	55078	0.4000	0.3506	
106 1,2,4,5-Tetramethylbenzene	119	19.895	19.895	0.000	99	194862	0.4000	0.3610	
107 Dodecane	57	20.510	20.510	0.000	85	66685	0.4000	0.2547	
108 1,2,4-Trichlorobenzene	180	20.698	20.695	0.003	94	77822	0.4000	0.3415	
109 Naphthalene	128	20.833	20.834	-0.001	99	229272	0.4000	0.4031	
110 Hexachlorobutadiene	225	21.054	21.052	0.002	85	79530	0.4000	0.3342	
111 1,2,3-Trichlorobenzene	180	21.124	21.121	0.003	95	88895	0.4000	0.3590	
112 2-Methylnaphthalene	142	21.847	21.857	-0.010	96	81860	0.4000	0.7385	
113 1-Methylnaphthalene	142	21.982	21.969	0.013	98	193150	0.4000	0.3521	
A 116 C8 Range	1	14.115	(14.082-14.168)		0	358387	0.4000	0.3601	
S 117 Xylenes, Total	100				0		1.20	1.12	
S 118 1,2-Dichloroethene, Total	1				0		0.8000	0.7971	

Reagents:

40L5DQP_00018	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

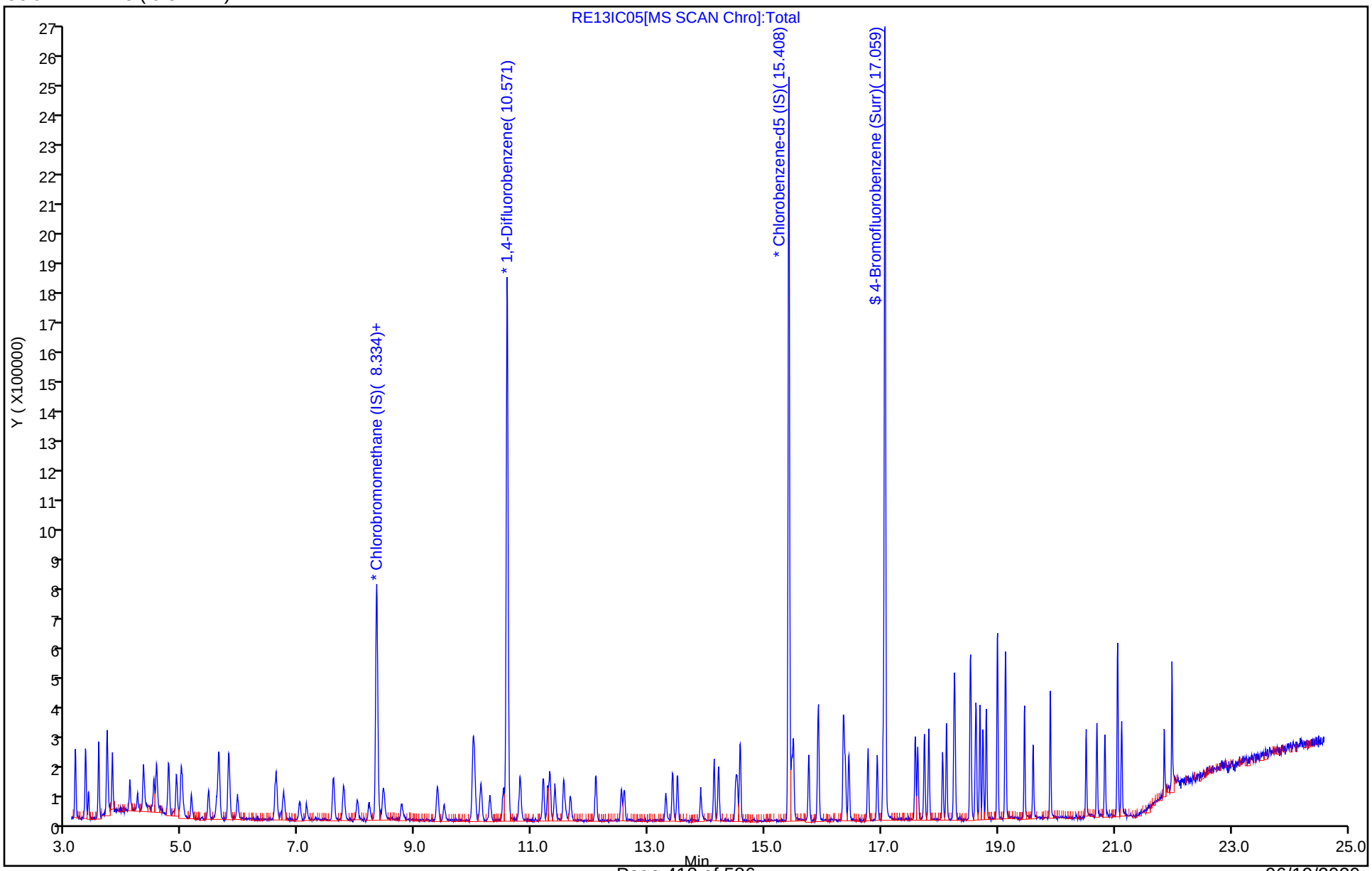
Report Date: 14-May-2020 14:48:12 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC05.D

Injection Date:	13-May-2020 16:29:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L5			Worklist Smp#:	12
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

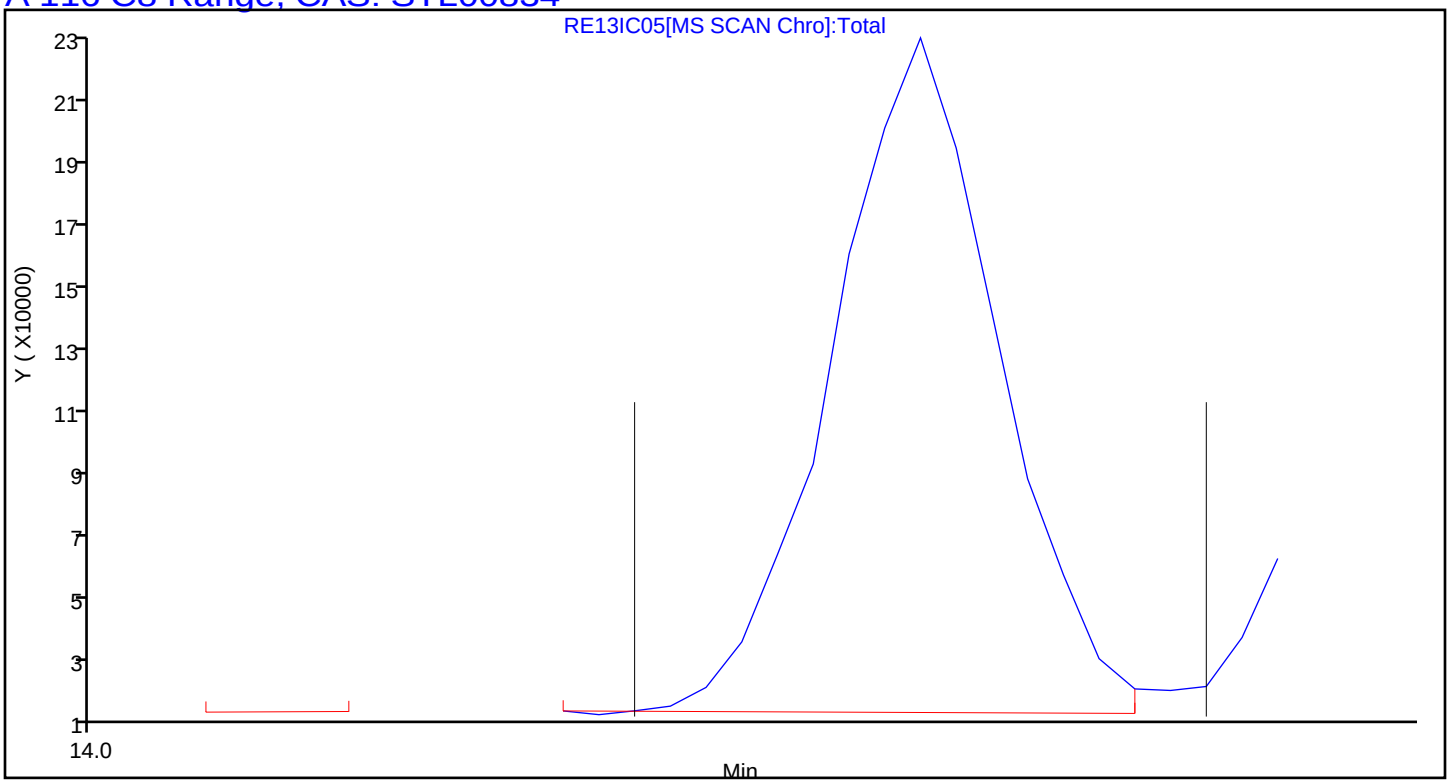


Report Date: 14-May-2020 14:48:12 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC05.D				
Injection Date:	13-May-2020 16:29:30	Instrument ID:	MR		
Lims ID:	IC L5				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	3	Worklist Smp#:	12
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC04.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 13-May-2020 17:19:30 ALS Bottle#: 4 Worklist Smp#: 13
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015465-013
Misc. Info.: 297344
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-May-2020 14:48:18 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: tajh Date: 14-May-2020 08:14:51

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	8.328	8.336	-0.008	83	246534	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.571	10.577	-0.006	93	1720503	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.408	15.409	-0.001	84	1390301	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.058	17.057	0.001	95	741173	4.00	3.95	
6 Chlorodifluoromethane	51	3.329	3.326	0.003	60	21794	0.1600	0.1746	
7 Propene	41	3.335	3.335	0.000	96	59418	0.1600	-0.1287	
8 Dichlorodifluoromethane	85	3.383	3.400	-0.017	97	21856	0.1600	0.1640	
9 Chloromethane	52	3.551	3.555	-0.004	92	4859	0.1600	0.1932	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.567	3.561	0.006	81	18866	0.1600	0.1428	
11 Acetaldehyde	44	3.712	3.705	0.007	90	62269	0.8000	1.47	
12 Vinyl chloride	62	3.712	3.713	-0.001	43	15629	0.1600	0.1451	
13 Butane	43	3.793	3.793	0.000	87	28266	0.1600	0.1757	
14 Butadiene	54	3.799	3.796	0.003	71	10989	0.1600	0.1496	
15 Bromomethane	94	4.101	4.094	0.007	94	20738	0.1600	0.1645	
16 Chloroethane	64	4.225	4.227	-0.002	81	10710	0.1600	0.1892	
17 Ethanol	31	4.338	4.339	-0.001	97	52968	0.8000	0.7854	
18 Vinyl bromide	106	4.505	4.511	-0.006	91	21485	0.1600	0.1580	
19 2-Methylbutane	43	4.559	4.556	0.003	88	22044	0.1600	0.1740	
20 Trichlorofluoromethane	101	4.753	4.763	-0.010	94	49695	0.1600	0.1573	
21 Acrolein	56	4.769	4.749	0.020	27	3492	0.1600	0.1491	
22 Acetonitrile	40	4.856	4.860	-0.004	35	7723	0.1600	0.2183	
23 Acetone	58	4.915	4.901	0.014	99	30975	0.4800	0.7035	
24 Pentane	72	4.969	4.971	-0.002	95	2809	0.1600	0.1656	
25 Isopropyl alcohol	45	4.996	4.994	0.002	92	58771	0.4800	0.4957	
26 Ethyl ether	31	5.158	5.156	0.002	82	22750	0.1600	0.1844	
27 1,1-Dichloroethene	96	5.438	5.449	-0.011	94	16176	0.1600	0.1617	
28 Acrylonitrile	53	5.557	5.569	-0.012	77	6959	0.1600	0.1628	
29 2-Methyl-2-propanol	59	5.594	5.591	0.003	90	25931	0.1600	0.1713	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.627	5.626	0.001	92	38937	0.1600	0.1787	
31 Methylene Chloride	84	5.788	5.795	-0.007	89	67954	0.1600	0.1541	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.805	5.809	-0.004	57	17535	0.1600	0.1855	
33 Carbon disulfide	76	5.945	5.946	-0.001	97	44822	0.1600	0.1762	
34 trans-1,2-Dichloroethene	96	6.581	6.598	-0.017	74	14937	0.1600	0.1573	
35 2-Methylpentane	43	6.608	6.611	-0.003	90	31678	0.1600	0.1678	
36 Methyl tert-butyl ether	73	6.743	6.735	0.008	94	40105	0.1600	0.1735	
37 1,1-Dichloroethane	63	7.018	7.016	0.002	98	26505	0.1600	0.1762	
38 Vinyl acetate	43	7.131	7.154	-0.023	99	33511	0.1600	0.1537	
39 2-Butanone (MEK)	72	7.600	7.586	0.014	88	8813	0.1600	0.2043	
40 Hexane	56	7.595	7.597	-0.002	69	9253	0.1600	0.1694	
41 Isopropyl ether	45	7.773	7.770	0.003	97	45099	0.1600	0.1660	
42 cis-1,2-Dichloroethene	96	7.989	8.003	-0.015	87	13795	0.1600	0.1467	
43 Ethyl acetate	43	8.204	8.209	-0.005	96	31328	0.1600	0.1622	
44 Chloroform	83	8.339	8.348	-0.009	73	30623	0.1600	0.1595	
45 Tert-butyl ethyl ether	59	8.452	8.449	0.003	91	39323	0.1600	0.1687	
46 Tetrahydrofuran	42	8.770	8.763	0.007	77	8322	0.1600	0.0939	
47 1,1,1-Trichloroethane	97	9.374	9.378	-0.004	75	31311	0.1600	0.1476	
48 1,2-Dichloroethane	62	9.482	9.497	-0.015	70	17056	0.1600	0.1540	
50 Cyclohexane	69	9.978	9.998	-0.020	71	5759	0.1600	0.1433	
49 n-Butanol	31	9.994	9.995	-0.001	49	8384	0.1600	0.1408	
51 Benzene	78	9.989	9.994	-0.005	88	42065	0.1600	0.1527	
52 Carbon tetrachloride	117	10.005	10.013	-0.008	88	37360	0.1600	0.1613	
53 2,3-Dimethylpentane	71	10.140	10.129	0.011	86	9324	0.1600	0.1541	
54 Thiophene	84	10.275	10.279	-0.004	88	22442	0.1600	0.1567	
55 Isooctane	57	10.793	10.797	-0.004	93	50713	0.1600	0.1502	
56 n-Heptane	71	11.192	11.196	-0.004	90	13661	0.1600	0.1565	
57 1,2-Dichloropropane	63	11.262	11.274	-0.012	80	16158	0.1600	0.1671	
58 Trichloroethene	130	11.294	11.309	-0.015	89	21285	0.1600	0.1476	
59 Dibromomethane	93	11.391	11.394	-0.003	89	20802	0.1600	0.1603	
60 Dichlorobromomethane	83	11.537	11.545	-0.008	93	31676	0.1600	0.1491	
61 1,4-Dioxane	88	11.596	11.584	0.012	54	7060	0.1600	0.1614	
62 Methyl methacrylate	41	11.655	11.662	-0.007	87	17897	0.1600	0.1531	
63 Methylcyclohexane	83	12.097	12.101	-0.004	89	20523	0.1600	0.1357	
64 4-Methyl-2-pentanone (MIBK)	43	12.545	12.535	0.010	89	28238	0.1600	0.1272	
65 cis-1,3-Dichloropropene	75	12.583	12.584	-0.001	92	21772	0.1600	0.1457	
66 trans-1,3-Dichloropropene	75	13.300	13.298	0.002	91	19618	0.1600	0.1542	
67 Toluene	91	13.413	13.418	-0.005	95	45436	0.1600	0.1458	
68 1,1,2-Trichloroethane	83	13.500	13.494	0.006	92	17605	0.1600	0.1792	
69 2-Hexanone	58	13.909	13.906	0.003	89	12386	0.1600	0.1373	
70 n-Octane	85	14.120	14.127	-0.007	87	14716	0.1600	0.1587	
71 Chlorodibromomethane	129	14.201	14.204	-0.004	95	31896	0.1600	0.1367	
72 Ethylene Dibromide	107	14.492	14.498	-0.006	89	28125	0.1600	0.1531	
73 Tetrachloroethene	129	14.567	14.574	-0.007	92	20135	0.1600	0.1572	
74 Chlorobenzene	112	15.446	15.457	-0.011	96	40586	0.1600	0.1512	
75 2,3-Dimethylheptane	43	15.484	15.484	0.000	91	46493	0.1600	0.1596	
76 Ethylbenzene	91	15.743	15.750	-0.007	98	59909	0.1600	0.1452	
77 m-Xylene & p-Xylene	91	15.910	15.913	-0.003	98	98107	0.3200	0.2986	
78 n-Nonane	57	16.341	16.341	0.000	89	21284	0.1600	0.1423	
79 Bromoform	173	16.352	16.357	-0.005	88	22750	0.1600	0.1223	
80 Styrene	104	16.379	16.379	0.000	92	31249	0.1600	0.1334	
81 o-Xylene	91	16.444	16.441	0.003	96	52807	0.1600	0.1560	
82 1,1,2,2-Tetrachloroethane	83	16.762	16.767	-0.005	98	42772	0.1600	0.1601	
83 1,2,3-Trichloropropane	110	16.918	16.937	-0.019	89	12142	0.1600	0.1553	

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	17.026	17.029	-0.003	90	74948	0.1600	0.1439	
85 N-Propylbenzene	120	17.582	17.578	0.004	99	18466	0.1600	0.1290	
86 2-Chlorotoluene	126	17.619	17.622	-0.003	92	21486	0.1600	0.1448	
87 4-Ethyltoluene	105	17.733	17.734	-0.001	98	73644	0.1600	0.1413	
88 1,3,5-Trimethylbenzene	120	17.808	17.811	-0.003	93	31505	0.1600	0.1434	
89 Alpha Methyl Styrene	118	18.051	18.048	0.003	91	24482	0.1600	0.1241	
90 n-Decane	57	18.115	18.113	0.002	86	30503	0.1600	0.1477	
91 tert-Butylbenzene	119	18.250	18.245	0.005	95	70463	0.1600	0.1476	
92 1,2,4-Trimethylbenzene	105	18.261	18.259	0.002	92	63851	0.1600	0.1461	
93 sec-Butylbenzene	105	18.520	18.521	-0.001	97	96017	0.1600	0.1448	
94 1,3-Dichlorobenzene	146	18.525	18.531	-0.006	62	42414	0.1600	0.1323	
95 Benzyl chloride	91	18.611	18.612	-0.001	96	36694	0.1600	0.1213	
96 1,4-Dichlorobenzene	146	18.617	18.622	-0.005	92	41957	0.1600	0.1380	
97 4-Isopropyltoluene	119	18.687	18.688	-0.001	96	77662	0.1600	0.1441	
98 1,2,3-Trimethylbenzene	105	18.741	18.740	0.001	97	70535	0.1600	0.1611	
99 Butylcyclohexane	83	18.795	18.796	-0.001	93	49365	0.1600	0.1492	
100 2,3-Dihydroindene	117	18.989	18.988	0.001	95	60009	0.1600	0.1367	
101 1,2-Dichlorobenzene	146	18.984	18.987	-0.003	88	50251	0.1600	0.1548	
102 Indene	116	19.124	19.122	0.002	95	46397	0.1600	0.1372	
103 n-Butylbenzene	91	19.135	19.130	0.005	98	76984	0.1600	0.1426	
104 Undecane	57	19.453	19.453	0.000	84	30602	0.1600	0.1215	
105 1,2-Dibromo-3-Chloropropane	157	19.598	19.601	-0.003	83	15839	0.1600	0.1086	
106 1,2,4,5-Tetramethylbenzene	119	19.900	19.895	0.005	97	70676	0.1600	0.1410	
107 Dodecane	57	20.515	20.510	0.005	83	20877	0.1600	0.0859	
108 1,2,4-Trichlorobenzene	180	20.698	20.695	0.003	91	28403	0.1600	0.1342	
109 Naphthalene	128	20.833	20.834	-0.001	98	57305	0.1600	0.1085	
110 Hexachlorobutadiene	225	21.054	21.052	0.002	87	34471	0.1600	0.1560	
111 1,2,3-Trichlorobenzene	180	21.119	21.121	-0.002	92	31571	0.1600	0.1373	
112 2-Methylnaphthalene	142	21.847	21.857	-0.010	83	15120	0.1600	0.6642	
113 1-Methylnaphthalene	142	21.982	21.969	0.013	98	25294	0.1600	0.0496	
A 116 C8 Range	1	14.120	(14.082-14.157)		0	157993	0.1600	0.1695	
S 117 Xylenes, Total	100				0		0.4800	0.4546	
S 118 1,2-Dichloroethene, Total	1				0		0.3200	0.3039	

Reagents:

40L4DQP_00018	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

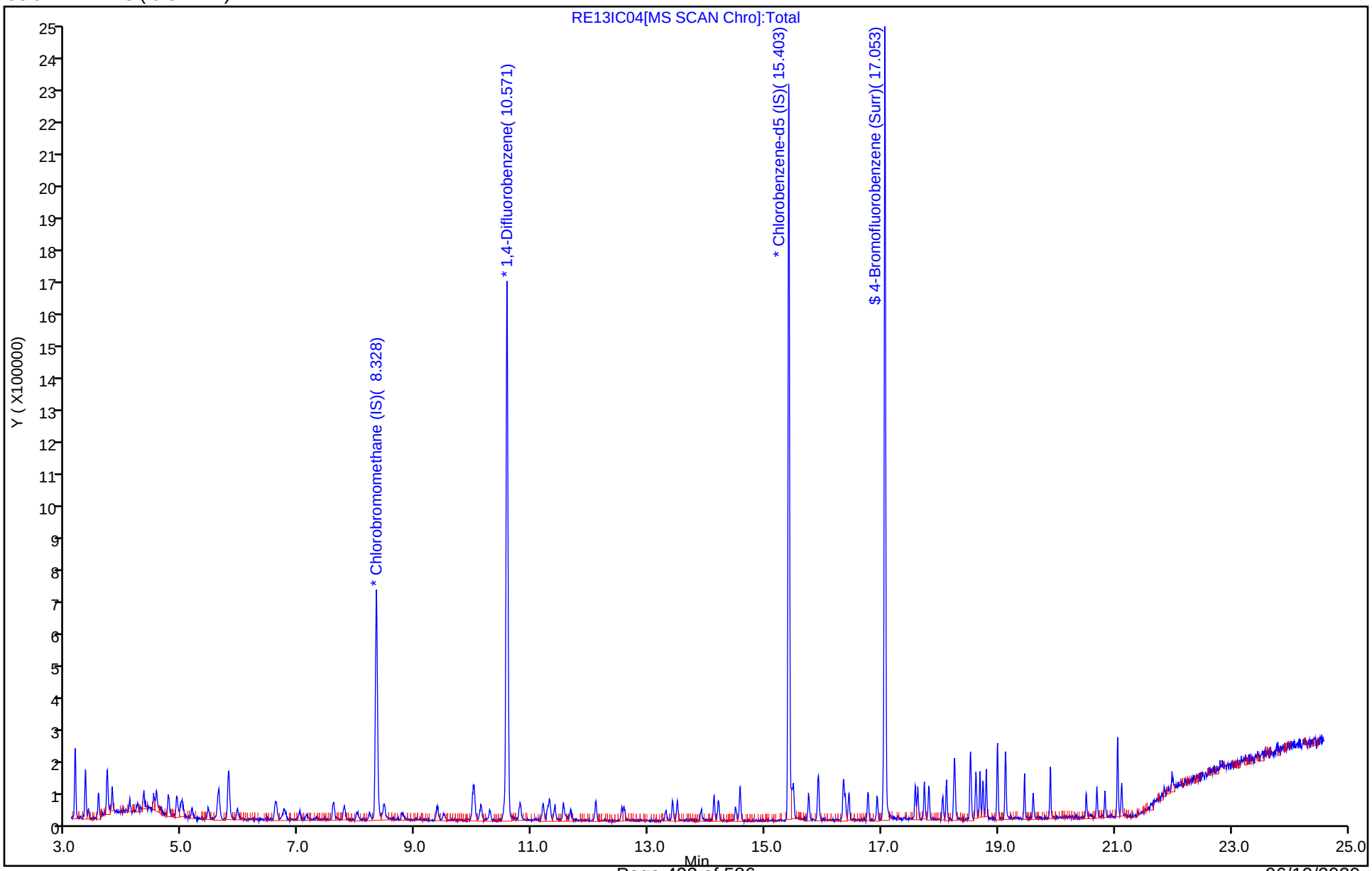
Report Date: 14-May-2020 14:48:19 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC04.D

Injection Date:	13-May-2020 17:19:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L4			Worklist Smp#:	13
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

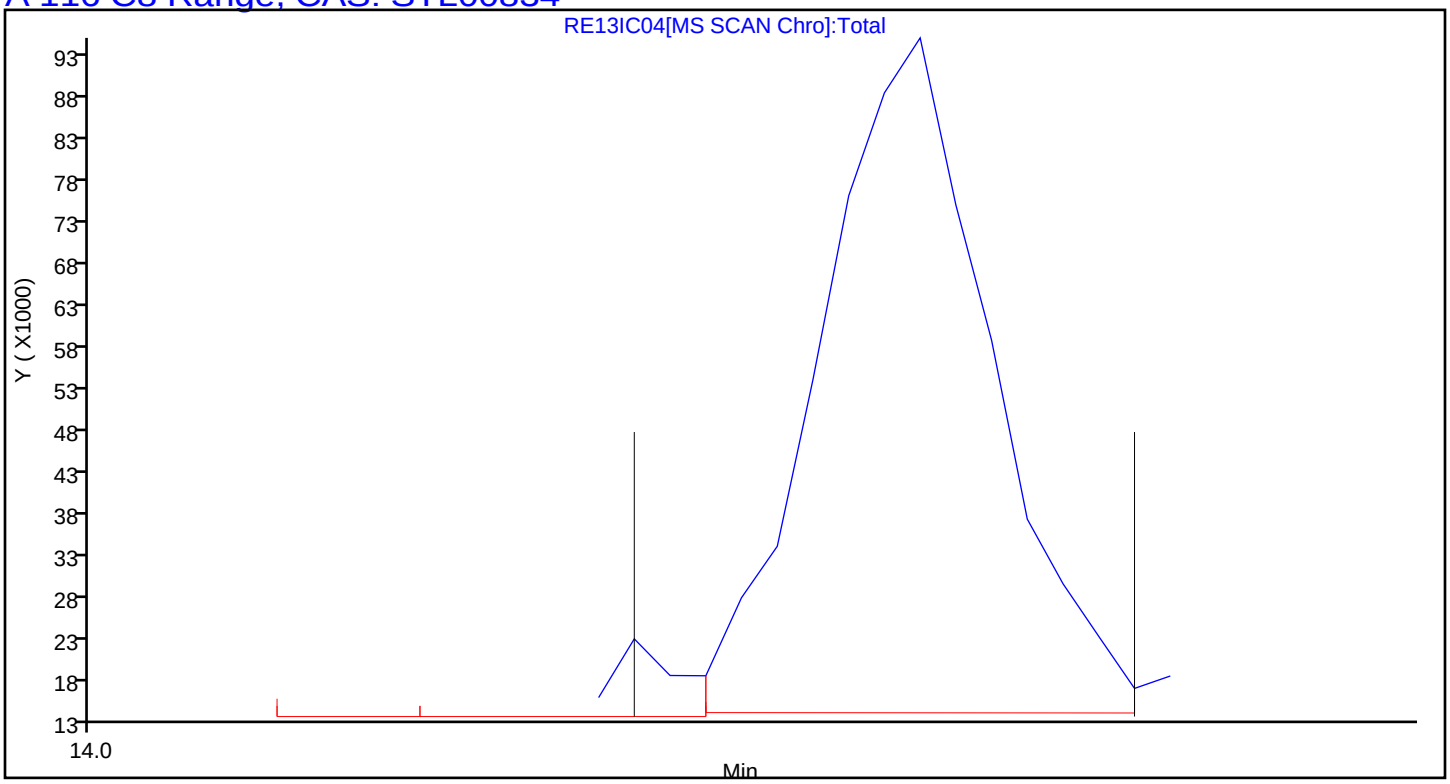


Report Date: 14-May-2020 14:48:19 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC04.D				
Injection Date:	13-May-2020 17:19:30	Instrument ID:	MR		
Lims ID:	IC L4				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	4	Worklist Smp#:	13
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC03.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 13-May-2020 18:08:30 ALS Bottle#: 5 Worklist Smp#: 14
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015465-014
Misc. Info.: 297346
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-May-2020 14:48:25 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: tajh Date: 14-May-2020 08:15:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.328	8.336	-0.008	78	236267	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.571	10.577	-0.006	93	1645873	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.408	15.409	-0.001	84	1331340	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.053	17.057	-0.004	94	694955	4.00	3.87	
6 Chlorodifluoromethane	51	3.324	3.326	-0.002	46	10764	0.0800	0.0900	
7 Propene	41	3.335	3.335	0.000	98	52738	0.0800	-0.1995	
8 Dichlorodifluoromethane	85	3.383	3.400	-0.017	94	11795	0.0800	0.0924	
9 Chloromethane	52	3.551	3.555	-0.004	69	3877	0.0800	0.1608	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.556	3.561	-0.005	86	10128	0.0800	0.0800	
11 Acetaldehyde	44	3.712	3.705	0.007	89	33165	0.4000	0.8142	
12 Vinyl chloride	62	3.712	3.713	-0.001	43	9066	0.0800	0.0878	
13 Butane	43	3.788	3.793	-0.005	88	13483	0.0800	0.0874	
14 Butadiene	54	3.799	3.796	0.003	56	5943	0.0800	0.0844	
15 Bromomethane	94	4.090	4.094	-0.004	94	11988	0.0800	0.0992	
16 Chloroethane	64	4.235	4.227	0.008	50	5258	0.0800	0.0969	
17 Ethanol	31	4.332	4.339	-0.007	69	19653	0.4000	0.3041	
18 Vinyl bromide	106	4.510	4.511	-0.001	72	11049	0.0800	0.0848	
19 2-Methylbutane	43	4.554	4.556	-0.002	81	13476	0.0800	0.1110	
20 Trichlorofluoromethane	101	4.764	4.763	0.001	94	24500	0.0800	0.0809	
21 Acrolein	56	4.796	4.749	0.047	28	2905	0.0800	0.1295	
22 Acetonitrile	40	4.861	4.860	0.001	32	7784	0.0800	0.2295	
23 Acetone	58	4.915	4.901	0.014	97	13038	0.2400	0.3090	
24 Pentane	72	4.969	4.971	-0.002	50	1282	0.0800	0.0788	
25 Isopropyl alcohol	45	5.012	4.994	0.018	56	29789	0.2400	0.2622	
26 Ethyl ether	31	5.168	5.156	0.012	87	9747	0.0800	0.0825	
27 1,1-Dichloroethene	96	5.443	5.449	-0.006	94	8602	0.0800	0.0897	
28 Acrylonitrile	53	5.578	5.569	0.009	78	3600	0.0800	0.0879	
29 2-Methyl-2-propanol	59	5.621	5.591	0.030	61	12815	0.0800	0.0883	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.632	5.626	0.006	91	17702	0.0800	0.0848	
31 Methylene Chloride	84	5.788	5.795	-0.007	93	52158	0.0800	-0.0314	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.805	5.809	-0.004	38	7632	0.0800	0.0843	
33 Carbon disulfide	76	5.956	5.946	0.010	95	20907	0.0800	0.0857	
34 trans-1,2-Dichloroethene	96	6.592	6.598	-0.006	84	7314	0.0800	0.0804	
35 2-Methylpentane	43	6.613	6.611	0.002	85	16112	0.0800	0.0890	
36 Methyl tert-butyl ether	73	6.770	6.735	0.035	65	19408	0.0800	0.0876	
37 1,1-Dichloroethane	63	7.007	7.016	-0.009	69	11122	0.0800	0.0771	
38 Vinyl acetate	43	7.136	7.154	-0.018	91	16085	0.0800	0.0770	
40 Hexane	56	7.600	7.597	0.003	74	4666	0.0800	0.0892	
39 2-Butanone (MEK)	72	7.600	7.586	0.014	86	2607	0.0800	0.0630	
41 Isopropyl ether	45	7.789	7.770	0.019	92	22261	0.0800	0.0855	
42 cis-1,2-Dichloroethene	96	7.994	8.003	-0.009	54	7187	0.0800	0.0797	
43 Ethyl acetate	43	8.215	8.209	0.006	71	12894	0.0800	0.0697	
44 Chloroform	83	8.328	8.348	-0.020	30	14925	0.0800	0.0811	
45 Tert-butyl ethyl ether	59	8.458	8.449	0.009	89	17532	0.0800	0.0785	
46 Tetrahydrofuran	42	8.781	8.763	0.018	50	3371	0.0800	0.0397	
47 1,1,1-Trichloroethane	97	9.369	9.378	-0.009	91	15883	0.0800	0.0781	
48 1,2-Dichloroethane	62	9.488	9.497	-0.009	58	9221	0.0800	0.0870	
50 Cyclohexane	69	9.989	9.998	-0.009	64	3192	0.0800	0.0830	
51 Benzene	78	9.994	9.994	0.000	91	21815	0.0800	0.0828	
49 n-Butanol	31	10.005	9.995	0.010	48	4493	0.0800	0.0789	
52 Carbon tetrachloride	117	10.005	10.013	-0.008	82	15109	0.0800	0.0682	
53 2,3-Dimethylpentane	71	10.135	10.129	0.006	81	5433	0.0800	0.0938	
54 Thiophene	84	10.264	10.279	-0.015	55	9942	0.0800	0.0726	
55 Isooctane	57	10.792	10.797	-0.005	95	24578	0.0800	0.0761	
56 n-Heptane	71	11.192	11.196	-0.004	90	6241	0.0800	0.0747	
57 1,2-Dichloropropane	63	11.262	11.274	-0.012	62	6538	0.0800	0.0707	
58 Trichloroethene	130	11.310	11.309	0.001	91	11383	0.0800	0.0825	
59 Dibromomethane	93	11.391	11.394	-0.003	80	9354	0.0800	0.0753	
60 Dichlorobromomethane	83	11.537	11.545	-0.008	91	16089	0.0800	0.0792	
61 1,4-Dioxane	88	11.591	11.584	0.007	22	2905	0.0800	0.0694	
62 Methyl methacrylate	41	11.666	11.662	0.004	40	9398	0.0800	0.0840	
63 Methylcyclohexane	83	12.103	12.101	0.002	88	11859	0.0800	0.0819	
64 4-Methyl-2-pentanone (MIBK)	43	12.556	12.535	0.021	92	18276	0.0800	0.0861	
65 cis-1,3-Dichloropropene	75	12.577	12.584	-0.007	88	10278	0.0800	0.0719	
66 trans-1,3-Dichloropropene	75	13.300	13.298	0.002	84	8099	0.0800	0.0665	
67 Toluene	91	13.408	13.418	-0.010	94	24059	0.0800	0.0806	
68 1,1,2-Trichloroethane	83	13.483	13.494	-0.011	86	7520	0.0800	0.0799	
69 2-Hexanone	58	13.904	13.906	-0.002	55	4432	0.0800	0.0513	
70 n-Octane	85	14.125	14.127	-0.002	88	7912	0.0800	0.0891	
71 Chlorodibromomethane	129	14.200	14.204	-0.004	89	14502	0.0800	0.0649	
72 Ethylene Dibromide	107	14.497	14.498	-0.001	88	12825	0.0800	0.0729	
73 Tetrachloroethene	129	14.578	14.574	0.004	91	8888	0.0800	0.0725	
74 Chlorobenzene	112	15.457	15.457	0.000	35	19515	0.0800	0.0759	
75 2,3-Dimethylheptane	43	15.478	15.484	-0.006	94	21806	0.0800	0.0781	
76 Ethylbenzene	91	15.743	15.750	-0.007	97	28346	0.0800	0.0717	
77 m-Xylene & p-Xylene	91	15.910	15.913	-0.003	96	47204	0.1600	0.1500	
78 n-Nonane	57	16.341	16.341	0.000	85	10444	0.0800	0.0729	
79 Bromoform	173	16.363	16.357	0.006	74	12086	0.0800	0.0679	
80 Styrene	104	16.379	16.379	0.000	76	13874	0.0800	0.0619	
81 o-Xylene	91	16.444	16.441	0.003	95	24755	0.0800	0.0764	
82 1,1,2,2-Tetrachloroethane	83	16.767	16.767	0.000	96	18065	0.0800	0.0706	
83 1,2,3-Trichloropropane	110	16.918	16.937	-0.019	90	5275	0.0800	0.0704	

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	17.026	17.029	-0.003	80	39737	0.0800	0.0797	
85 N-Propylbenzene	120	17.576	17.578	-0.002	98	10293	0.0800	0.0751	
86 2-Chlorotoluene	126	17.625	17.622	0.003	94	12187	0.0800	0.0858	
87 4-Ethyltoluene	105	17.732	17.734	-0.002	96	32793	0.0800	0.0657	
88 1,3,5-Trimethylbenzene	120	17.813	17.811	0.002	92	16181	0.0800	0.0769	
89 Alpha Methyl Styrene	118	18.051	18.048	0.003	88	12885	0.0800	0.0682	
90 n-Decane	57	18.110	18.113	-0.003	90	15779	0.0800	0.0798	
91 tert-Butylbenzene	119	18.239	18.245	-0.006	84	32242	0.0800	0.0705	
92 1,2,4-Trimethylbenzene	105	18.256	18.259	-0.003	91	29810	0.0800	0.0712	
93 sec-Butylbenzene	105	18.520	18.521	-0.001	98	45924	0.0800	0.0723	
94 1,3-Dichlorobenzene	146	18.531	18.531	0.000	88	21945	0.0800	0.0715	
95 Benzyl chloride	91	18.606	18.612	-0.006	98	20409	0.0800	0.0705	
96 1,4-Dichlorobenzene	146	18.628	18.622	0.006	92	21475	0.0800	0.0738	
97 4-Isopropyltoluene	119	18.692	18.688	0.004	96	36778	0.0800	0.0713	
98 1,2,3-Trimethylbenzene	105	18.741	18.740	0.001	97	32933	0.0800	0.0785	
99 Butylcyclohexane	83	18.795	18.796	-0.001	91	22305	0.0800	0.0704	
101 1,2-Dichlorobenzene	146	18.994	18.987	0.007	83	21659	0.0800	0.0697	
100 2,3-Dihydroindene	117	18.989	18.988	0.001	92	31393	0.0800	0.0747	
102 Indene	116	19.118	19.122	-0.004	85	23960	0.0800	0.0740	
103 n-Butylbenzene	91	19.129	19.130	-0.001	94	34094	0.0800	0.0659	
104 Undecane	57	19.453	19.453	0.000	84	14549	0.0800	0.0603	
105 1,2-Dibromo-3-Chloropropane	157	19.604	19.601	0.003	84	7873	0.0800	0.0564	
106 1,2,4,5-Tetramethylbenzene	119	19.895	19.895	0.000	97	31502	0.0800	0.0656	
107 Dodecane	57	20.510	20.510	0.000	80	10544	0.0800	0.0453	
108 1,2,4-Trichlorobenzene	180	20.687	20.695	-0.008	89	15022	0.0800	0.0741	
109 Naphthalene	128	20.833	20.834	-0.001	98	43074	0.0800	0.0852	
110 Hexachlorobutadiene	225	21.049	21.052	-0.003	84	15112	0.0800	0.0714	
111 1,2,3-Trichlorobenzene	180	21.119	21.121	-0.002	88	15358	0.0800	0.0697	
112 2-Methylnaphthalene	142	21.858	21.857	0.001	85	14552	0.0800	0.6643	
113 1-Methylnaphthalene	142	21.987	21.969	0.018	94	34507	0.0800	0.0707	
A 116 C8 Range	1	14.125	(14.093-14.157)		0	103866	0.0800	0.1165	
S 117 Xylenes, Total	100				0		0.2400	0.2264	
S 118 1,2-Dichloroethene, Total	1				0		0.1600	0.1601	

Reagents:

40L1-3DQP_00027	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

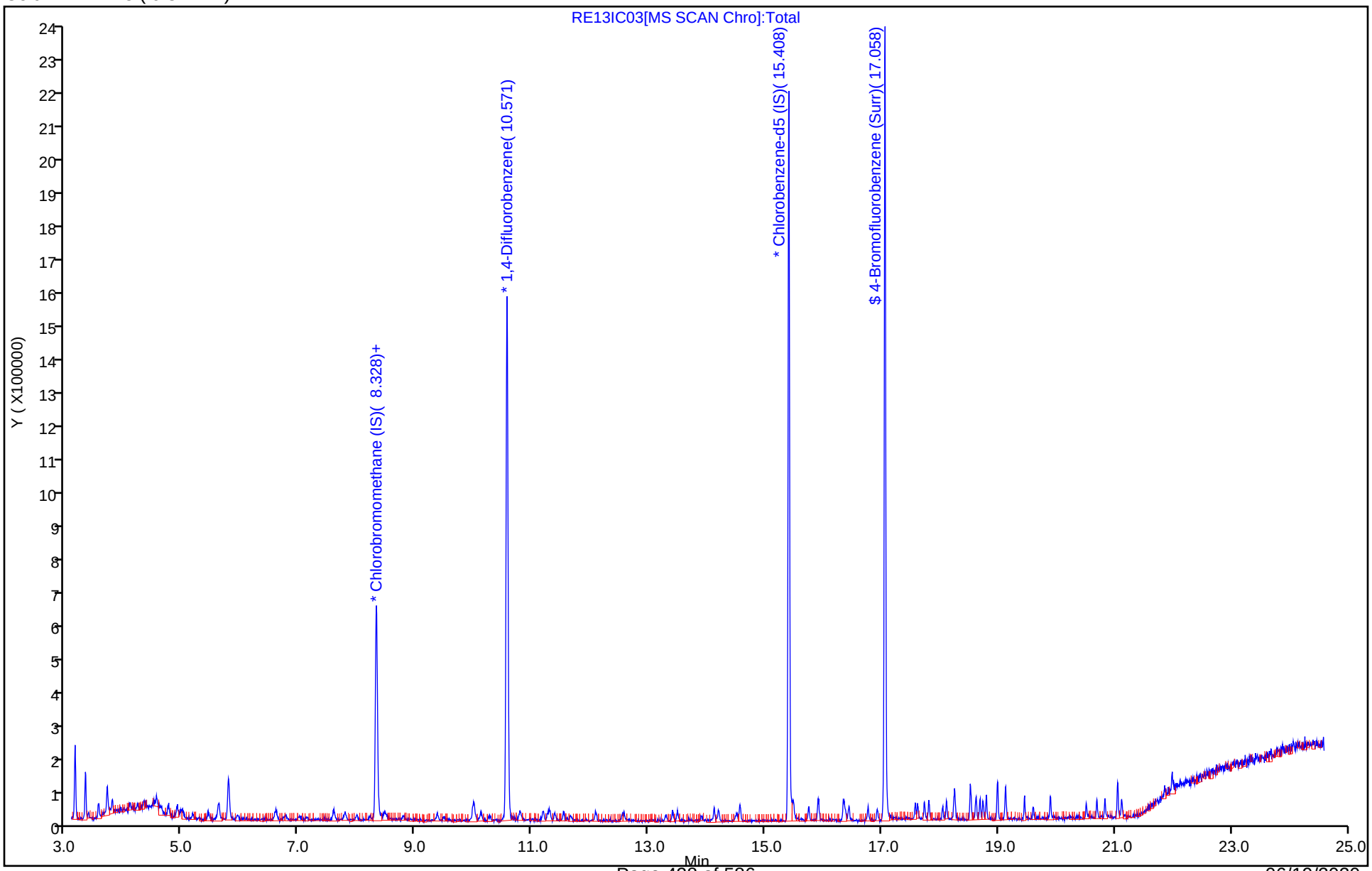
Report Date: 14-May-2020 14:48:26 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC03.D

Injection Date:	13-May-2020 18:08:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L3			Worklist Smp#:	14
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

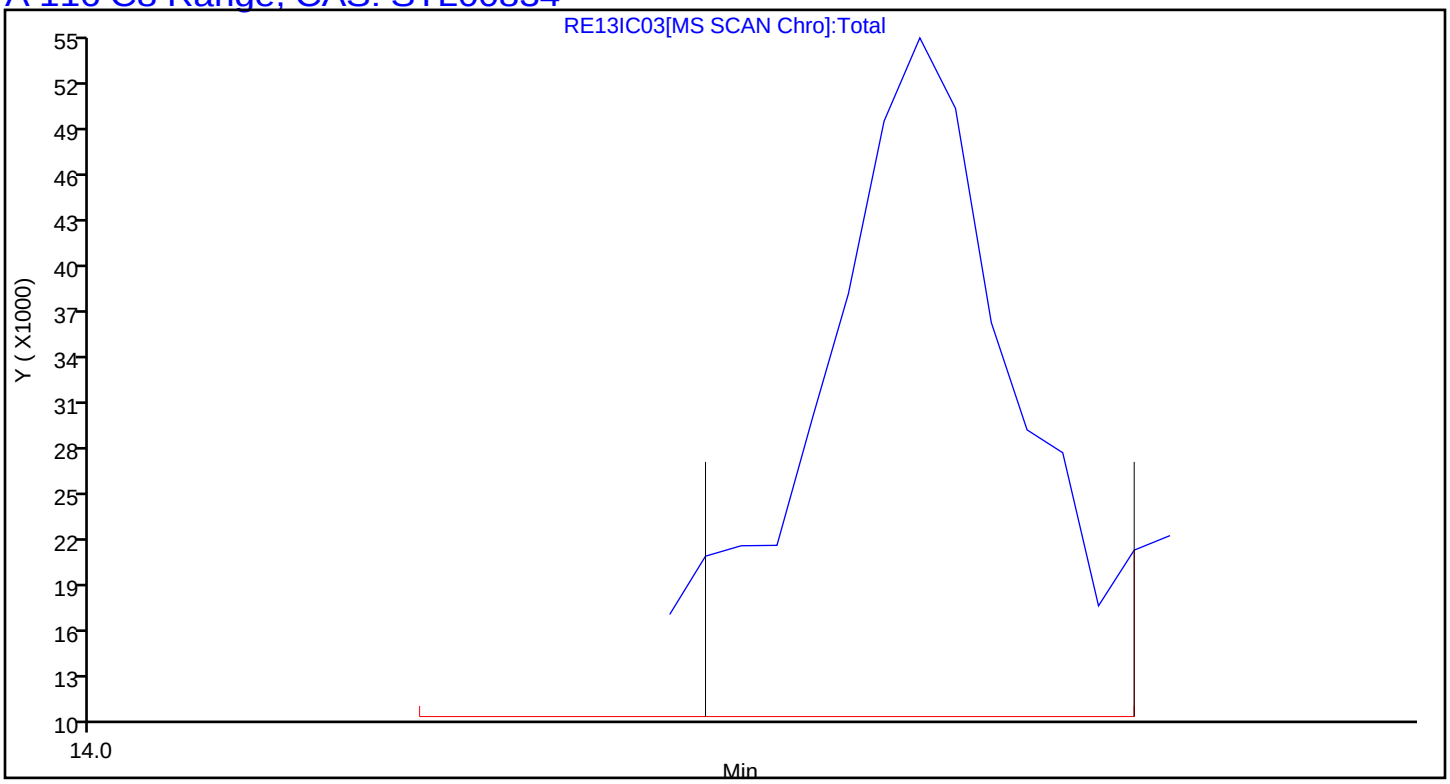
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Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC03.D				
Injection Date:	13-May-2020 18:08:30	Instrument ID:	MR		
Lims ID:	IC L3				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	5	Worklist Smp#:	14
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC02.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 13-May-2020 18:57:30 ALS Bottle#: 6 Worklist Smp#: 15
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015465-015
Misc. Info.: 297346
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-May-2020 14:48:32 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: tajh Date: 14-May-2020 14:22:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.328	8.336	-0.008	82	225159	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.571	10.577	-0.006	93	1560863	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.408	15.409	-0.001	83	1299570	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.058	17.057	0.001	94	647120	4.00	3.69	
6 Chlorodifluoromethane	51	3.329	3.326	0.003	38	5791	0.0400	0.0508	
7 Propene	41	3.340	3.335	0.005	97	49613	0.0400	-0.2109	
8 Dichlorodifluoromethane	85	3.383	3.400	-0.017	66	6741	0.0400	0.0554	
9 Chloromethane	52	3.561	3.555	0.006	61	1235	0.0400	0.0538	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.561	3.561	0.000	84	6928	0.0400	0.0574	
11 Acetaldehyde	44	3.712	3.705	0.007	81	16308	0.2000	0.4201	
12 Vinyl chloride	62	3.723	3.713	0.010	40	4430	0.0400	0.0450	
13 Butane	43	3.793	3.793	0.000	65	9224	0.0400	0.0628	
14 Butadiene	54	3.799	3.796	0.003	26	3185	0.0400	0.0475	
15 Bromomethane	94	4.095	4.094	0.001	89	6561	0.0400	0.0570	
16 Chloroethane	64	4.230	4.227	0.003	53	2570	0.0400	0.0497	
17 Ethanol	31	4.349	4.339	0.010	82	13451	0.2000	0.2184	
18 Vinyl bromide	106	4.516	4.511	0.005	63	5999	0.0400	0.0483	
19 2-Methylbutane	43	4.554	4.556	-0.002	75	7149	0.0400	0.0618	
20 Trichlorofluoromethane	101	4.758	4.763	-0.005	76	11256	0.0400	0.0390	
21 Acrolein	56	4.570	4.749	-0.179	22	1300	0.0400	0.0608	
22 Acetonitrile	40	4.764	4.860	-0.096	33	5241	0.0400	0.1622	
23 Acetone	58	4.920	4.901	0.019	62	8748	0.1200	0.2175	
24 Pentane	72	4.958	4.971	-0.013	1	279	0.0400	0.0180	
25 Isopropyl alcohol	45	5.023	4.994	0.029	73	11612	0.1200	0.1072	
26 Ethyl ether	31	5.190	5.156	0.034	58	4483	0.0400	0.0398	
27 1,1-Dichloroethene	96	5.454	5.449	0.005	57	4388	0.0400	0.0480	
28 Acrylonitrile	53	5.573	5.569	0.004	18	2101	0.0400	0.0538	
29 2-Methyl-2-propanol	59	5.637	5.591	0.046	63	5330	0.0400	0.0386	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.632	5.626	0.006	81	7759	0.0400	0.0390	
31 Methylene Chloride	84	5.794	5.795	-0.001	94	48201	0.0400	-0.0540	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.815	5.809	0.006	39	6386	0.0400	0.0740	
33 Carbon disulfide	76	5.945	5.946	-0.001	65	11580	0.0400	0.0498	
34 trans-1,2-Dichloroethene	96	6.603	6.598	0.005	63	3955	0.0400	0.0456	
35 2-Methylpentane	43	6.597	6.611	-0.014	45	4210	0.0400	0.0244	
36 Methyl tert-butyl ether	73	6.786	6.735	0.051	69	9150	0.0400	0.0433	
37 1,1-Dichloroethane	63	7.007	7.016	-0.009	10	6479	0.0400	0.0472	
38 Vinyl acetate	43	7.158	7.154	0.004	55	6609	0.0400	0.0332	
40 Hexane	56	7.600	7.597	0.003	66	2330	0.0400	0.0467	
39 2-Butanone (MEK)	72	7.616	7.586	0.030	62	969	0.0400	0.0246	
41 Isopropyl ether	45	7.811	7.770	0.040	80	11020	0.0400	0.0444	
42 cis-1,2-Dichloroethene	96	7.994	8.003	-0.009	42	3596	0.0400	0.0419	
43 Ethyl acetate	43	8.231	8.209	0.022	49	6099	0.0400	0.0346	
44 Chloroform	83	8.334	8.348	-0.014	28	6800	0.0400	0.0388	
45 Tert-butyl ethyl ether	59	8.490	8.449	0.041	78	9019	0.0400	0.0424	
46 Tetrahydrofuran	42	8.803	8.763	0.040	62	4191	0.0400	0.0518	
47 1,1,1-Trichloroethane	97	9.369	9.378	-0.009	45	9481	0.0400	0.0489	
48 1,2-Dichloroethane	62	9.498	9.497	0.001	17	3482	0.0400	0.0346	
51 Benzene	78	9.984	9.994	-0.010	87	11057	0.0400	0.0442	
49 n-Butanol	31	10.021	9.995	0.026	47	3245	0.0400	0.0601	
52 Carbon tetrachloride	117	10.005	10.013	-0.008	80	8534	0.0400	0.0406	
53 2,3-Dimethylpentane	71	10.124	10.129	-0.005	4	1527	0.0400	0.0278	
54 Thiophene	84	10.269	10.279	-0.010	9	3294	0.0400	0.0254	
55 Isooctane	57	10.798	10.797	0.001	59	13143	0.0400	0.0429	
56 n-Heptane	71	11.197	11.196	0.001	65	3834	0.0400	0.0484	
57 1,2-Dichloropropane	63	11.278	11.274	0.004	3	2636	0.0400	0.0301	
58 Trichloroethene	130	11.299	11.309	-0.010	54	6107	0.0400	0.0467	
59 Dibromomethane	93	11.391	11.394	-0.003	74	5158	0.0400	0.0438	
60 Dichlorobromomethane	83	11.537	11.545	-0.008	38	7579	0.0400	0.0393	
61 1,4-Dioxane	88	11.607	11.584	0.023	25	2403	0.0400	0.0606	
62 Methyl methacrylate	41	11.682	11.662	0.020	16	3732	0.0400	0.0352	
63 Methylcyclohexane	83	12.103	12.101	0.002	63	5611	0.0400	0.0409	
64 4-Methyl-2-pentanone (MIBK)	43	12.556	12.535	0.021	65	8181	0.0400	0.0406	
65 cis-1,3-Dichloropropene	75	12.588	12.584	0.004	43	4993	0.0400	0.0368	
66 trans-1,3-Dichloropropene	75	13.300	13.298	0.002	35	4033	0.0400	0.0339	
67 Toluene	91	13.419	13.418	0.001	93	10790	0.0400	0.0371	
68 1,1,2-Trichloroethane	83	13.489	13.494	-0.005	38	1582	0.0400	0.0172	
69 2-Hexanone	58	13.920	13.906	0.014	35	2681	0.0400	0.0318	
70 n-Octane	85	14.130	14.127	0.003	83	3063	0.0400	0.0353	
71 Chlorodibromomethane	129	14.200	14.204	-0.004	78	8054	0.0400	0.0369	
72 Ethylene Dibromide	107	14.502	14.498	0.004	62	5274	0.0400	0.0307	
73 Tetrachloroethene	129	14.583	14.574	0.009	80	4545	0.0400	0.0380	
74 Chlorobenzene	112	15.462	15.457	0.005	89	8434	0.0400	0.0336	
75 2,3-Dimethylheptane	43	15.484	15.484	0.000	77	11160	0.0400	0.0410	
76 Ethylbenzene	91	15.753	15.750	0.003	93	15365	0.0400	0.0398	
77 m-Xylene & p-Xylene	91	15.915	15.913	0.002	93	20672	0.0800	0.0673	
78 n-Nonane	57	16.336	16.341	-0.005	52	6240	0.0400	0.0446	
79 Bromoform	173	16.357	16.357	0.000	47	5844	0.0400	0.0336	
80 Styrene	104	16.379	16.379	0.000	90	7809	0.0400	0.0357	
81 o-Xylene	91	16.444	16.441	0.003	48	10744	0.0400	0.0339	
82 1,1,2,2-Tetrachloroethane	83	16.762	16.767	-0.005	83	7904	0.0400	0.0317	
83 1,2,3-Trichloropropane	110	16.924	16.937	-0.013	22	2503	0.0400	0.0342	
84 Isopropylbenzene	105	17.037	17.029	0.008	47	18921	0.0400	0.0389	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	120	17.571	17.578	-0.007	97	4638	0.0400	0.0347	
86 2-Chlorotoluene	126	17.625	17.622	0.003	1	5001	0.0400	0.0361	
87 4-Ethyltoluene	105	17.738	17.734	0.004	95	17646	0.0400	0.0362	
88 1,3,5-Trimethylbenzene	120	17.808	17.811	-0.003	89	7509	0.0400	0.0366	
89 Alpha Methyl Styrene	118	18.045	18.048	-0.003	57	5468	0.0400	0.0296	
90 n-Decane	57	18.110	18.113	-0.003	87	6218	0.0400	0.0322	
91 tert-Butylbenzene	119	18.245	18.245	0.000	91	13801	0.0400	0.0309	
92 1,2,4-Trimethylbenzene	105	18.261	18.259	0.002	94	14774	0.0400	0.0362	
93 sec-Butylbenzene	105	18.520	18.521	-0.001	97	25280	0.0400	0.0408	
94 1,3-Dichlorobenzene	146	18.531	18.531	0.000	89	10206	0.0400	0.0340	
95 Benzyl chloride	91	18.611	18.612	-0.001	75	9109	0.0400	0.0322	
96 1,4-Dichlorobenzene	146	18.622	18.622	0.000	92	9877	0.0400	0.0348	
97 4-Isopropyltoluene	119	18.687	18.688	-0.001	96	17453	0.0400	0.0346	
98 1,2,3-Trimethylbenzene	105	18.735	18.740	-0.005	97	14998	0.0400	0.0366	
99 Butylcyclohexane	83	18.800	18.796	0.004	86	9972	0.0400	0.0322	
100 2,3-Dihydroindene	117	18.984	18.988	-0.004	92	17599	0.0400	0.0429	
101 1,2-Dichlorobenzene	146	18.984	18.987	-0.003	86	10697	0.0400	0.0353	
102 Indene	116	19.124	19.122	0.002	60	9691	0.0400	0.0306	
103 n-Butylbenzene	91	19.134	19.130	0.004	92	15212	0.0400	0.0301	
104 Undecane	57	19.458	19.453	0.005	75	5668	0.0400	0.0241	
105 1,2-Dibromo-3-Chloropropane	157	19.593	19.601	-0.008	32	3459	0.0400	0.0254	
106 1,2,4,5-Tetramethylbenzene	119	19.895	19.895	0.000	94	14687	0.0400	0.0313	
107 Dodecane	57	20.510	20.510	0.000	30	3170	0.0400	0.0139	
108 1,2,4-Trichlorobenzene	180	20.698	20.695	0.003	87	7066	0.0400	0.0357	
109 Naphthalene	128	20.838	20.834	0.004	97	13675	0.0400	0.0277	
110 Hexachlorobutadiene	225	21.049	21.052	-0.003	70	5937	0.0400	0.0287	
111 1,2,3-Trichlorobenzene	180	21.124	21.121	0.003	88	5994	0.0400	0.0279	
112 2-Methylnaphthalene	142	21.852	21.857	-0.005	10	7596	0.0400	0.6557	
113 1-Methylnaphthalene	142	21.992	21.969	0.023	27	9867	0.0400	0.0207	
A 116 C8 Range	1	14.141	(14.103-14.168)		0	39046	0.0400	0.0462	
S 117 Xylenes, Total	100				0		0.1200	0.1013	
S 118 1,2-Dichloroethene, Total	1				0		0.0800	0.0875	

Reagents:

40L1-3DQP_00027	Amount Added: 100.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

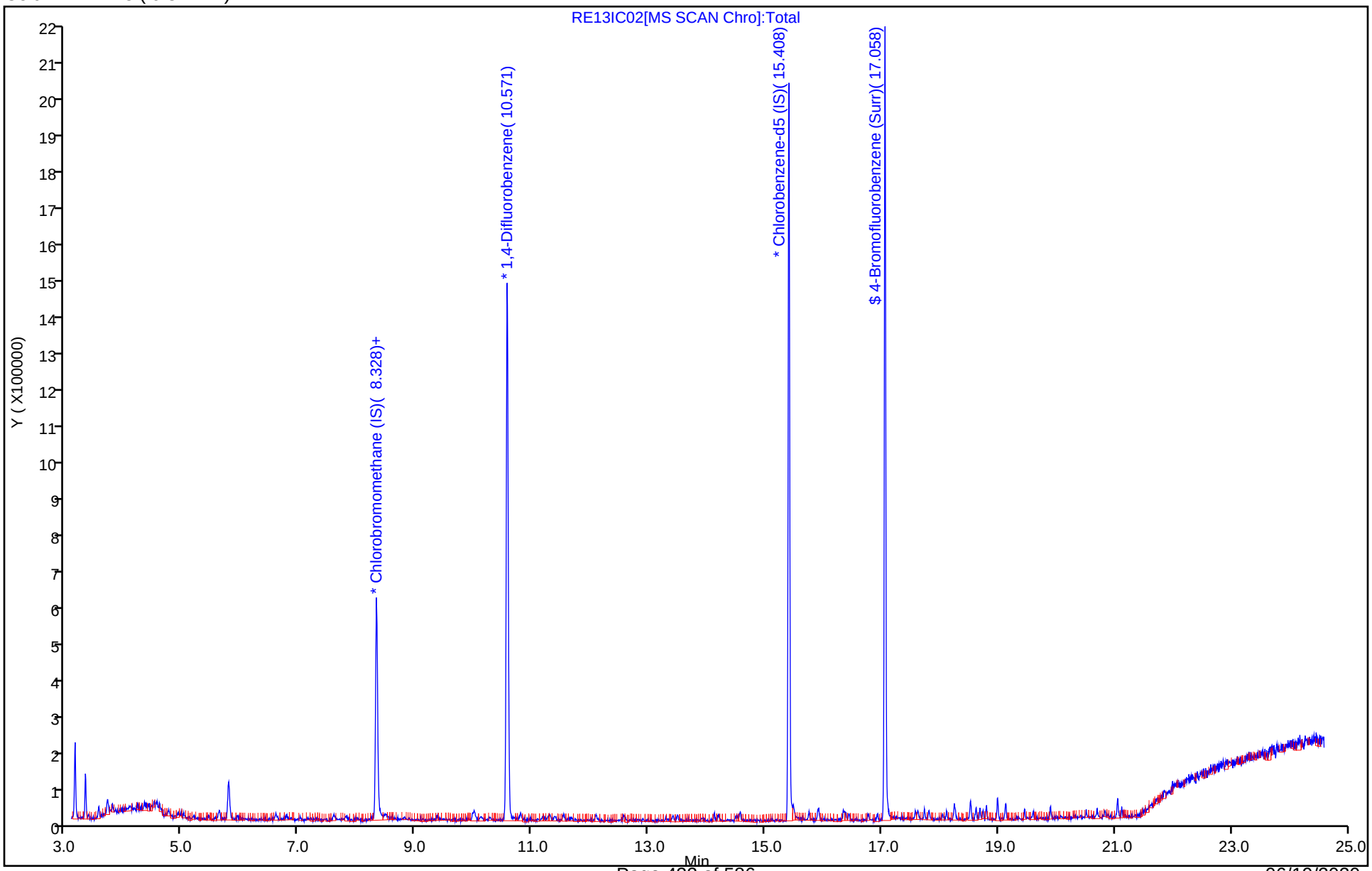
Report Date: 14-May-2020 14:48:33 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC02.D

Injection Date:	13-May-2020 18:57:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L2			Worklist Smp#:	15
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

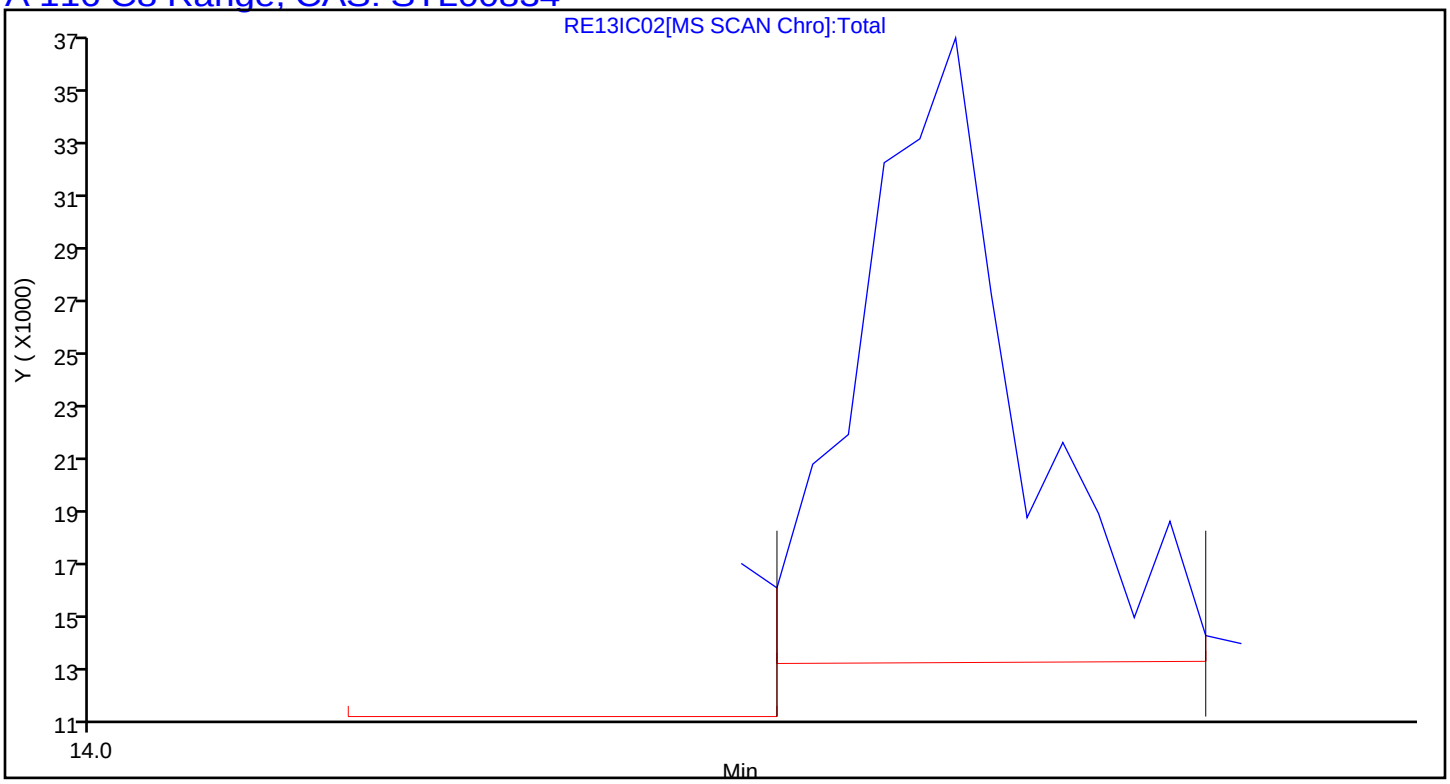


Report Date: 14-May-2020 14:48:33 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC02.D				
Injection Date:	13-May-2020 18:57:30	Instrument ID:	MR		
Lims ID:	IC L2				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	6	Worklist Smp#:	15
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC01.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 13-May-2020 19:45:30 ALS Bottle#: 7 Worklist Smp#: 16
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015465-016
Misc. Info.: 297346
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-May-2020 14:48:39 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: tajh Date: 14-May-2020 11:26:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.334	8.336	-0.002	81	213119	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.577	10.577	0.000	93	1489072	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.409	15.409	-0.001	84	1231410	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.059	17.057	0.002	95	618558	4.00	3.72	
6 Chlorodifluoromethane	51	3.335	3.326	0.009	36	4764	0.0200	0.0442	
7 Propene	41	3.340	3.335	0.005	92	48146	0.0200	-0.1888	
8 Dichlorodifluoromethane	85	3.561	3.400	0.161	69	5661	0.0200	0.0491	
9 Chloromethane	52	3.561	3.555	0.006	24	2420	0.0200	0.1113	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.567	3.561	0.006	37	4500	0.0200	0.0394	
11 Acetaldehyde	44	3.718	3.705	0.013	62	5542	0.1000	0.1508	
12 Vinyl chloride	62	3.712	3.713	-0.001	1	2365	0.0200	0.0254	
13 Butane	43	3.793	3.793	0.000	44	4214	0.0200	0.0303	
14 Butadiene	54	3.799	3.796	0.003	51	1427	0.0200	0.0225	
15 Bromomethane	94	4.095	4.094	0.001	45	2347	0.0200	0.0215	
16 Chloroethane	64	4.225	4.227	-0.002	4	1403	0.0200	0.0287	
17 Ethanol	31	4.354	4.339	0.015	37	5381	0.1000	0.0923	
18 Vinyl bromide	106	4.527	4.511	0.016	52	3567	0.0200	0.0303	
19 2-Methylbutane	43	4.559	4.556	0.003	46	2445	0.0200	0.0223	
21 Acrolein	56	4.688	4.749	-0.061	26	248	0.0200	0.0123	
20 Trichlorofluoromethane	101	4.775	4.763	0.012	54	5189	0.0200	0.0190	
22 Acetonitrile	40	5.034	4.860	0.174	49	6052	0.0200	0.1978	
23 Acetone	58	4.937	4.901	0.036	21	4367	0.0600	0.1147	
25 Isopropyl alcohol	45	4.980	4.994	-0.014	5	420	0.0600	0.004098	
26 Ethyl ether	31	5.190	5.156	0.034	35	2130	0.0200	0.0200	
27 1,1-Dichloroethene	96	5.454	5.449	0.005	34	1644	0.0200	0.0190	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.616	5.626	-0.010	36	3494	0.0200	0.0186	
29 2-Methyl-2-propanol	59	5.627	5.591	0.036	0	788	0.0200	0.006021	
31 Methylene Chloride	84	5.805	5.795	0.010	93	47617	0.0200	-0.0224	
32 3-Chloro-1-propene	39	5.815	5.809	0.006	1	1986	0.0200	0.0243	
33 Carbon disulfide	76	5.945	5.946	-0.001	52	4584	0.0200	0.0208	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
35 2-Methylpentane	43	6.603	6.611	-0.008	32	3882	0.0200	0.0238	
34 trans-1,2-Dichloroethene	96	6.608	6.598	0.010	19	2063	0.0200	0.0251	
36 Methyl tert-butyl ether	73	6.711	6.735	-0.024	1	593	0.0200	0.002967	
37 1,1-Dichloroethane	63	7.018	7.016	0.002	1	3341	0.0200	0.0257	
38 Vinyl acetate	43	7.331	7.154	0.177	55	1286	0.0200	0.006823	
40 Hexane	56	7.595	7.597	-0.002	1	790	0.0200	0.0167	
39 2-Butanone (MEK)	72	7.573	7.586	-0.013	1	65	0.0200	0.001743	
42 cis-1,2-Dichloroethene	96	8.010	8.003	0.007	20	1419	0.0200	0.0175	
43 Ethyl acetate	43	8.247	8.209	0.038	44	3580	0.0200	0.0214	
44 Chloroform	83	8.355	8.348	0.007	1	2431	0.0200	0.0146	
46 Tetrahydrofuran	42	8.808	8.763	0.045	18	1646	0.0200	0.0215	
47 1,1,1-Trichloroethane	97	9.374	9.378	-0.004	25	4303	0.0200	0.0235	
48 1,2-Dichloroethane	62	9.498	9.497	0.001	15	1662	0.0200	0.0173	
51 Benzene	78	9.989	9.994	-0.005	22	8117	0.0200	0.0340	
50 Cyclohexane	69	10.097	9.998	0.099	1	147	0.0200	0.004227	
52 Carbon tetrachloride	117	10.005	10.013	-0.008	56	4139	0.0200	0.0207	
49 n-Butanol	31	10.124	9.995	0.129	31	548	0.0200	0.0106	
53 2,3-Dimethylpentane	71	10.124	10.129	-0.005	25	698	0.0200	0.0133	
54 Thiophene	84	10.280	10.279	0.001	1	3094	0.0200	0.0250	
55 Isooctane	57	10.787	10.797	-0.010	63	7793	0.0200	0.0267	
56 n-Heptane	71	11.197	11.196	0.001	13	793	0.0200	0.0105	
57 1,2-Dichloropropane	63	11.278	11.274	0.004	11	1439	0.0200	0.0172	
58 Trichloroethene	130	11.316	11.309	0.007	30	1795	0.0200	0.0144	
59 Dibromomethane	93	11.386	11.394	-0.008	55	2576	0.0200	0.0229	
60 Dichlorobromomethane	83	11.542	11.545	-0.003	22	4131	0.0200	0.0225	
61 1,4-Dioxane	88	11.672	11.584	0.088	3	100	0.0200	0.002642	
62 Methyl methacrylate	41	11.672	11.662	0.010	4	3535	0.0200	0.0349	
63 Methylcyclohexane	83	12.103	12.101	0.002	16	2617	0.0200	0.0200	
64 4-Methyl-2-pentanone (MIBK)	43	12.551	12.535	0.016	1	1224	0.0200	0.006371	
65 cis-1,3-Dichloropropene	75	12.583	12.584	-0.001	26	2981	0.0200	0.0231	
66 trans-1,3-Dichloropropene	75	13.289	13.298	-0.009	1	1752	0.0200	0.0156	
67 Toluene	91	13.430	13.418	0.012	35	5904	0.0200	0.0214	
68 1,1,2-Trichloroethane	83	13.489	13.494	-0.005	8	1740	0.0200	0.0200	
69 2-Hexanone	58	13.990	13.906	0.084	1	49	0.0200	0.000613	
70 n-Octane	85	14.125	14.127	-0.002	29	1483	0.0200	0.0181	
71 Chlorodibromomethane	129	14.211	14.204	0.007	40	3473	0.0200	0.0168	
72 Ethylene Dibromide	107	14.497	14.498	-0.001	44	3332	0.0200	0.0205	
73 Tetrachloroethene	129	14.573	14.574	-0.001	41	2927	0.0200	0.0258	
74 Chlorobenzene	112	15.457	15.457	0.000	1	4984	0.0200	0.0210	
75 2,3-Dimethylheptane	43	15.479	15.484	-0.005	67	4669	0.0200	0.0181	
76 Ethylbenzene	91	15.759	15.750	0.009	0	7339	0.0200	0.0201	
77 m-Xylene & p-Xylene	91	15.910	15.913	-0.003	41	12238	0.0400	0.0421	
78 n-Nonane	57	16.336	16.341	-0.005	51	2463	0.0200	0.0186	
79 Bromoform	173	16.358	16.357	0.001	15	1737	0.0200	0.0105	
80 Styrene	104	16.385	16.379	0.006	12	4348	0.0200	0.0210	
81 o-Xylene	91	16.438	16.441	-0.003	31	4755	0.0200	0.0159	
82 1,1,2,2-Tetrachloroethane	83	16.778	16.767	0.011	1	4779	0.0200	0.0202	
83 1,2,3-Trichloropropane	110	17.053	16.937	0.116	64	1245	0.0200	0.0180	
84 Isopropylbenzene	105	17.032	17.029	0.003	47	10385	0.0200	0.0225	
85 N-Propylbenzene	120	17.582	17.578	0.004	44	2398	0.0200	0.0189	
86 2-Chlorotoluene	126	17.625	17.622	0.003	1	2451	0.0200	0.0187	
87 4-Ethyltoluene	105	17.738	17.734	0.004	51	8412	0.0200	0.0182	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
88 1,3,5-Trimethylbenzene	120	17.819	17.811	0.008	29	3023	0.0200	0.0155	
89 Alpha Methyl Styrene	118	18.045	18.048	-0.003	31	3702	0.0200	0.0212	
90 n-Decane	57	18.115	18.113	0.002	44	2464	0.0200	0.0135	
91 tert-Butylbenzene	119	18.245	18.245	0.000	85	9119	0.0200	0.0216	
92 1,2,4-Trimethylbenzene	105	18.256	18.259	-0.003	85	7561	0.0200	0.0195	
93 sec-Butylbenzene	105	18.525	18.521	0.004	92	9580	0.0200	0.0163	
94 1,3-Dichlorobenzene	146	18.536	18.531	0.005	74	4550	0.0200	0.0160	
95 Benzyl chloride	91	18.617	18.612	0.005	8	5614	0.0200	0.0210	
96 1,4-Dichlorobenzene	146	18.617	18.622	-0.005	31	4507	0.0200	0.0167	
97 4-Isopropyltoluene	119	18.692	18.688	0.004	47	7459	0.0200	0.0156	
98 1,2,3-Trimethylbenzene	105	18.746	18.740	0.006	20	7525	0.0200	0.0194	
99 Butylcyclohexane	83	18.790	18.796	-0.006	53	5359	0.0200	0.0183	
100 2,3-Dihydroindene	117	18.994	18.988	0.006	88	5860	0.0200	0.0151	
101 1,2-Dichlorobenzene	146	18.984	18.987	-0.003	81	4350	0.0200	0.0151	
102 Indene	116	19.124	19.122	0.002	51	5920	0.0200	0.0198	
103 n-Butylbenzene	91	19.129	19.130	-0.001	90	9785	0.0200	0.0205	
104 Undecane	57	19.458	19.453	0.005	39	3111	0.0200	0.0139	
105 1,2-Dibromo-3-Chloropropane	157	19.604	19.601	0.003	4	1743	0.0200	0.0135	
106 1,2,4,5-Tetramethylbenzene	119	19.895	19.895	0.000	48	6848	0.0200	0.0154	
107 Dodecane	57	20.510	20.510	0.000	1	1739	0.0200	0.008075	
108 1,2,4-Trichlorobenzene	180	20.698	20.695	0.003	10	1416	0.0200	0.007553	
109 Naphthalene	128	20.833	20.834	-0.001	15	6189	0.0200	0.0132	
110 Hexachlorobutadiene	225	21.060	21.052	0.008	70	3398	0.0200	0.0174	
111 1,2,3-Trichlorobenzene	180	21.119	21.121	-0.002	13	2759	0.0200	0.0135	
112 2-Methylnaphthalene	142	21.923	21.857	0.065	1	2826	0.0200	0.6497	
113 1-Methylnaphthalene	142	21.847	21.969	-0.122	1	1240	0.0200	0.002748	
A 116 C8 Range	1	14.141	(14.114-14.168)		0	28434	0.0200	0.0353	
S 117 Xylenes, Total	100				0		0.0600	0.0579	
S 118 1,2-Dichloroethene, Total	1				0		0.0400	0.0426	

Reagents:

40L1-3DQP_00027	Amount Added: 50.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

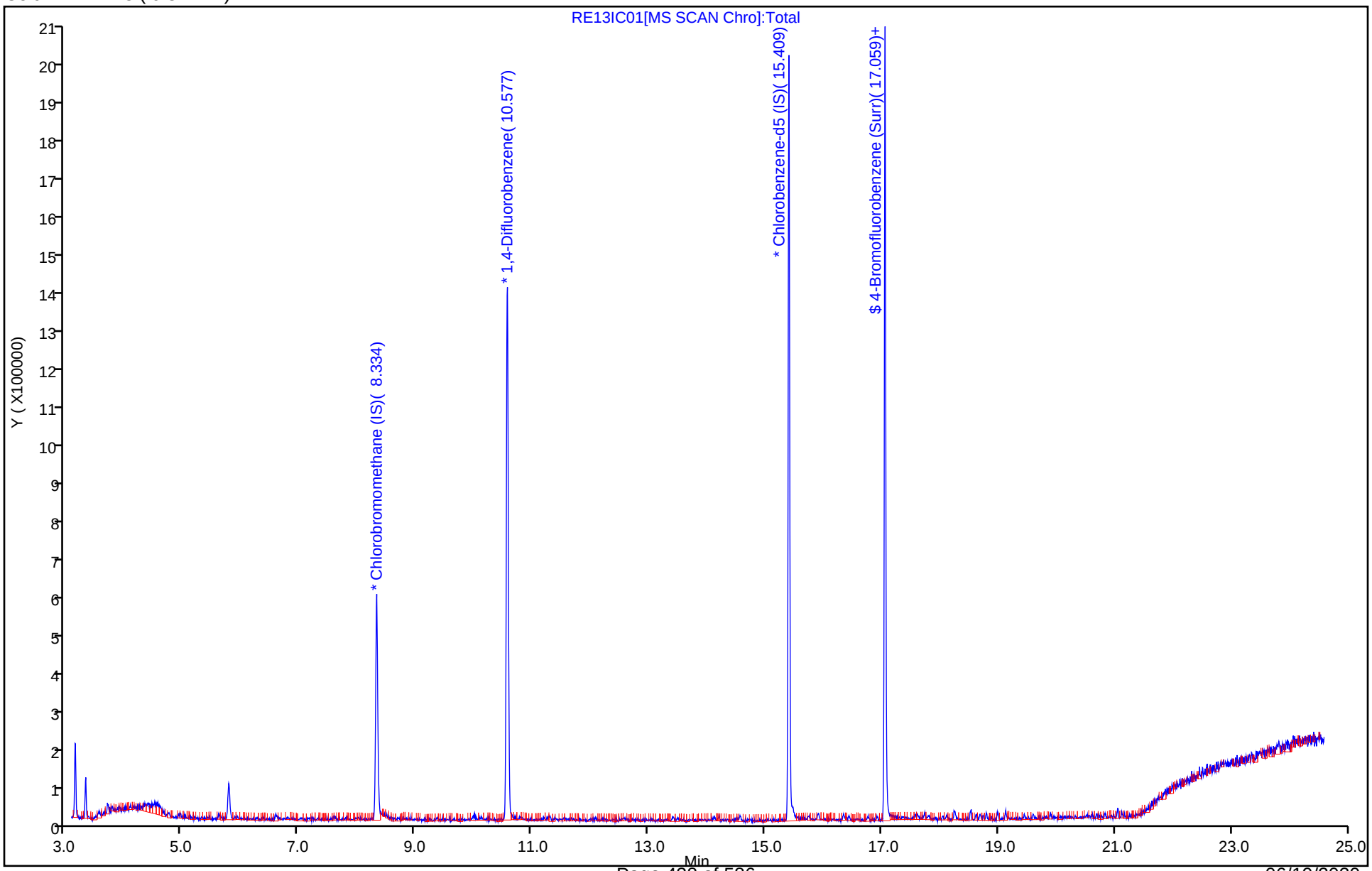
Report Date: 14-May-2020 14:48:40 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC01.D

Injection Date:	13-May-2020 19:45:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	IC L1			Worklist Smp#:	16
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

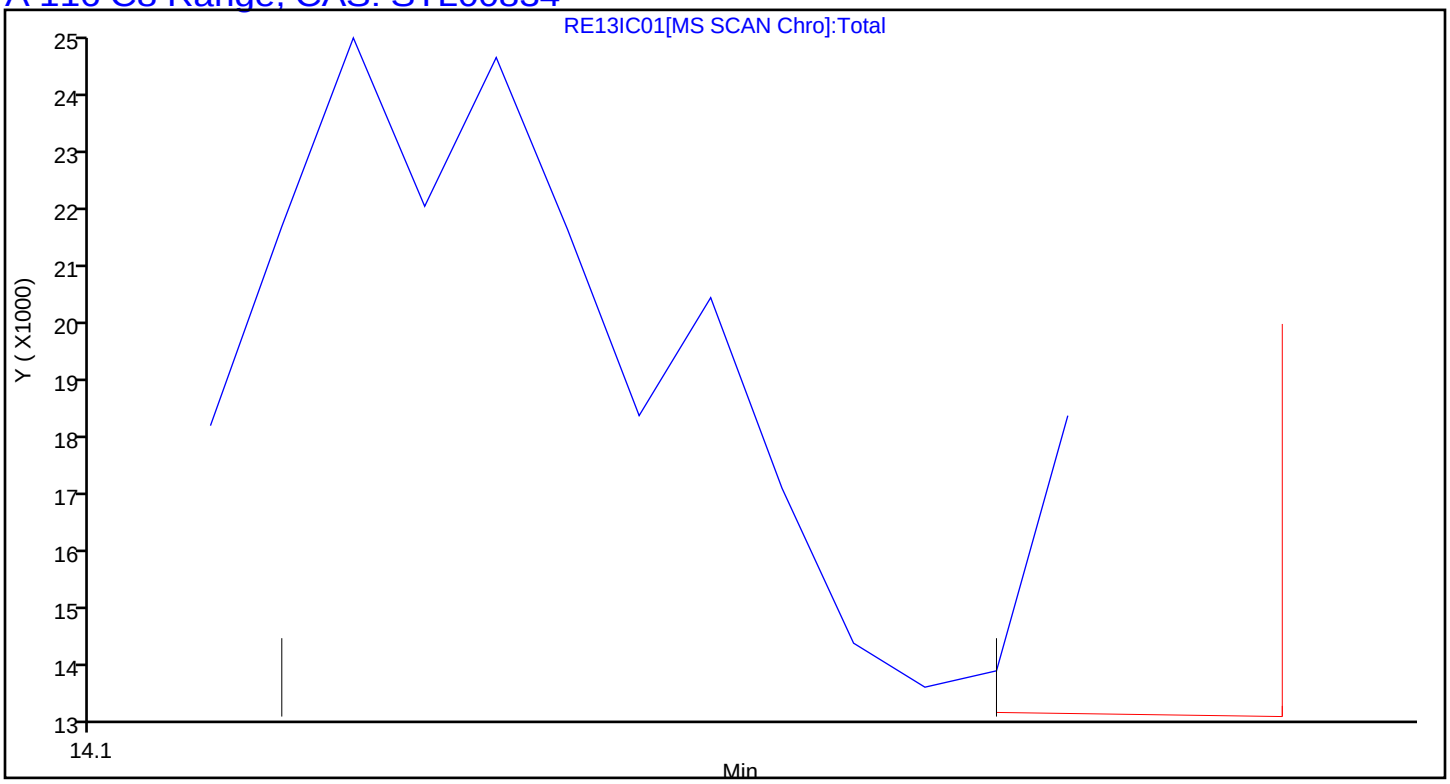


Report Date: 14-May-2020 14:48:40 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13IC01.D				
Injection Date:	13-May-2020 19:45:30	Instrument ID:	MR		
Lims ID:	IC L1				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	7	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		

A 116 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D
Lims ID: ICIS L7
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 14-May-2020 00:39:30 ALS Bottle#: 9 Worklist Smp#: 22
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info:
Misc. Info.: 297299
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-May-2020 14:48:46 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: tajh Date: 14-May-2020 08:11:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.334	8.336	-0.002	84	214688	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.571	10.577	-0.006	93	1490375	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.408	15.409	-0.001	84	1261458	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.058	17.057	0.001	94	684037	4.00	4.02	
6 Chlorodifluoromethane	51	3.319	3.326	-0.007	98	215581	2.00	1.98	
7 Propene	41	3.329	3.335	-0.006	98	173821	2.00	2.13	
8 Dichlorodifluoromethane	85	3.378	3.400	-0.022	97	221084	2.00	1.91	
9 Chloromethane	52	3.551	3.555	-0.004	67	43783	2.00	2.00	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.556	3.561	-0.005	89	216396	2.00	1.88	
12 Vinyl chloride	62	3.707	3.713	-0.006	98	190569	2.00	2.03	
11 Acetaldehyde	44	3.691	3.705	-0.014	83	402039	10.0	10.9	
13 Butane	43	3.788	3.793	-0.005	87	290481	2.00	2.07	
14 Butadiene	54	3.788	3.796	-0.008	70	142101	2.00	2.22	
15 Bromomethane	94	4.090	4.094	-0.004	97	222766	2.00	2.03	
16 Chloroethane	64	4.219	4.227	-0.008	81	99763	2.00	2.02	
17 Ethanol	31	4.327	4.339	-0.012	95	681460	10.0	11.6	
18 Vinyl bromide	106	4.500	4.511	-0.011	96	260577	2.00	2.20	
19 2-Methylbutane	43	4.554	4.556	-0.002	95	249189	2.00	2.26	
21 Acrolein	56	4.769	4.749	0.020	26	37667	2.00	1.85	
20 Trichlorofluoromethane	101	4.753	4.763	-0.010	97	592337	2.00	2.15	
23 Acetone	58	4.882	4.901	-0.019	99	241153	6.00	6.29	
24 Pentane	72	4.963	4.971	-0.008	76	30290	2.00	2.05	
25 Isopropyl alcohol	45	4.974	4.994	-0.020	82	653507	6.00	6.33	
22 Acetonitrile	40	4.845	4.860	-0.015	97	71408	2.00	2.32	
26 Ethyl ether	31	5.136	5.156	-0.020	85	228282	2.00	2.13	
27 1,1-Dichloroethene	96	5.443	5.449	-0.006	94	166421	2.00	1.91	
28 Acrylonitrile	53	5.562	5.569	-0.007	49	77500	2.00	2.08	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.621	5.626	-0.005	94	395495	2.00	2.08	
29 2-Methyl-2-propanol	59	5.557	5.591	-0.035	95	276090	2.00	2.09	
31 Methylene Chloride	84	5.788	5.795	-0.007	90	187020	2.00	2.17	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.799	5.809	-0.010	94	162887	2.00	1.98	
33 Carbon disulfide	76	5.934	5.946	-0.012	96	452745	2.00	2.04	
35 2-Methylpentane	43	6.608	6.611	-0.003	94	347047	2.00	2.11	
34 trans-1,2-Dichloroethene	96	6.592	6.598	-0.006	88	162731	2.00	1.97	
36 Methyl tert-butyl ether	73	6.710	6.735	-0.025	96	407911	2.00	2.03	
37 1,1-Dichloroethane	63	7.012	7.016	-0.004	99	274903	2.00	2.10	
38 Vinyl acetate	43	7.120	7.154	-0.034	99	402947	2.00	2.12	
39 2-Butanone (MEK)	72	7.573	7.586	-0.013	98	77242	2.00	2.06	
40 Hexane	56	7.584	7.597	-0.013	90	104524	2.00	2.20	
41 Isopropyl ether	45	7.751	7.770	-0.019	92	485138	2.00	2.05	
42 cis-1,2-Dichloroethene	96	7.999	8.003	-0.004	83	174335	2.00	2.13	
43 Ethyl acetate	43	8.188	8.209	-0.021	96	374343	2.00	2.23	
44 Chloroform	83	8.350	8.348	0.002	94	353971	2.00	2.12	
45 Tert-butyl ethyl ether	59	8.431	8.449	-0.018	95	426876	2.00	2.10	
46 Tetrahydrofuran	42	8.738	8.763	-0.025	93	173640	2.00	2.25	
47 1,1,1-Trichloroethane	97	9.374	9.378	-0.004	94	359035	2.00	1.94	
48 1,2-Dichloroethane	62	9.488	9.497	-0.009	95	192545	2.00	2.01	
51 Benzene	78	9.989	9.994	-0.005	94	473523	2.00	1.98	
52 Carbon tetrachloride	117	10.005	10.013	-0.008	94	323117	2.00	1.61	
50 Cyclohexane	69	9.978	9.998	-0.020	89	70005	2.00	2.01	
49 n-Butanol	31	9.967	9.995	-0.028	73	104887	2.00	2.03	
53 2,3-Dimethylpentane	71	10.124	10.129	-0.005	88	100713	2.00	1.92	
54 Thiophene	84	10.275	10.279	-0.004	92	260236	2.00	2.10	
55 Isooctane	57	10.798	10.797	0.001	94	600803	2.00	2.05	
56 n-Heptane	71	11.192	11.196	-0.004	90	155050	2.00	2.05	
57 1,2-Dichloropropane	63	11.272	11.274	-0.002	88	176044	2.00	2.10	
58 Trichloroethene	130	11.305	11.309	-0.004	94	249644	2.00	2.00	
59 Dibromomethane	93	11.391	11.394	-0.003	92	226501	2.00	2.01	
60 Dichlorobromomethane	83	11.542	11.545	-0.003	97	367844	2.00	2.00	
61 1,4-Dioxane	88	11.558	11.584	-0.026	80	77046	2.00	2.03	
62 Methyl methacrylate	41	11.650	11.662	-0.012	90	201722	2.00	1.99	
63 Methylcyclohexane	83	12.097	12.101	-0.004	91	268696	2.00	2.05	
64 4-Methyl-2-pentanone (MIBK)	43	12.523	12.535	-0.012	97	398316	2.00	2.07	
65 cis-1,3-Dichloropropene	75	12.577	12.584	-0.007	94	271656	2.00	2.10	
66 trans-1,3-Dichloropropene	75	13.295	13.298	-0.003	96	239341	2.00	2.07	
67 Toluene	91	13.413	13.418	-0.005	93	574567	2.00	2.03	
68 1,1,2-Trichloroethane	83	13.494	13.494	0.000	93	180283	2.00	2.02	
69 2-Hexanone	58	13.888	13.906	-0.018	88	160986	2.00	1.97	
70 n-Octane	85	14.130	14.127	0.003	89	167887	2.00	2.00	
71 Chlorodibromomethane	129	14.200	14.204	-0.004	95	417494	2.00	1.97	
72 Ethylene Dibromide	107	14.497	14.498	-0.001	97	337293	2.00	2.02	
73 Tetrachloroethene	129	14.573	14.574	-0.001	88	226599	2.00	1.95	
74 Chlorobenzene	112	15.457	15.457	0.000	98	486300	2.00	2.00	
75 2,3-Dimethylheptane	43	15.484	15.484	0.000	93	527828	2.00	2.00	
76 Ethylbenzene	91	15.748	15.750	-0.002	97	770902	2.00	2.06	
77 m-Xylene & p-Xylene	91	15.910	15.913	-0.003	96	1177734	4.00	3.95	
78 n-Nonane	57	16.341	16.341	0.000	86	262931	2.00	1.94	
79 Bromoform	173	16.357	16.357	0.000	90	371559	2.00	2.20	
80 Styrene	104	16.374	16.379	-0.005	96	437286	2.00	2.06	
81 o-Xylene	91	16.438	16.441	-0.003	99	607171	2.00	1.98	
82 1,1,2,2-Tetrachloroethane	83	16.767	16.767	0.000	97	486181	2.00	2.01	
84 Isopropylbenzene	105	17.026	17.029	-0.003	94	921790	2.00	1.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
83 1,2,3-Trichloropropane	110	16.924	16.937	-0.013	92	142005	2.00	2.00	
85 N-Propylbenzene	120	17.576	17.578	-0.002	100	257279	2.00	1.98	
86 2-Chlorotoluene	126	17.619	17.622	-0.003	95	258336	2.00	1.92	
87 4-Ethyltoluene	105	17.732	17.734	-0.002	99	916492	2.00	1.94	
88 1,3,5-Trimethylbenzene	120	17.808	17.811	-0.003	92	381845	2.00	1.92	
89 Alpha Methyl Styrene	118	18.045	18.048	-0.003	91	369437	2.00	2.06	
90 n-Decane	57	18.110	18.113	-0.003	85	360815	2.00	1.93	
91 tert-Butylbenzene	119	18.245	18.245	0.000	95	845179	2.00	1.95	
92 1,2,4-Trimethylbenzene	105	18.256	18.259	-0.003	96	807627	2.00	2.04	
93 sec-Butylbenzene	105	18.520	18.521	-0.001	99	1200705	2.00	2.00	
94 1,3-Dichlorobenzene	146	18.531	18.531	0.000	96	577246	2.00	1.98	
95 Benzyl chloride	91	18.611	18.612	-0.001	99	635302	2.00	2.32	
96 1,4-Dichlorobenzene	146	18.622	18.622	0.000	96	565551	2.00	2.05	
97 4-Isopropyltoluene	119	18.687	18.688	-0.001	96	991660	2.00	2.03	
98 1,2,3-Trimethylbenzene	105	18.741	18.740	0.001	98	804228	2.00	2.02	
99 Butylcyclohexane	83	18.795	18.796	-0.001	93	600209	2.00	2.00	
101 1,2-Dichlorobenzene	146	18.989	18.987	0.002	82	572043	2.00	1.94	
100 2,3-Dihydroindene	117	18.989	18.988	0.001	94	795668	2.00	2.00	
102 Indene	116	19.118	19.122	-0.004	92	685782	2.00	2.23	
103 n-Butylbenzene	91	19.129	19.130	-0.001	96	1023647	2.00	2.09	
104 Undecane	57	19.447	19.453	-0.006	86	446107	2.00	1.95	
105 1,2-Dibromo-3-Chloropropane	157	19.598	19.601	-0.003	91	298700	2.00	2.26	
106 1,2,4,5-Tetramethylbenzene	119	19.895	19.895	0.000	99	947532	2.00	2.08	
107 Dodecane	57	20.510	20.510	0.000	85	470171	2.00	2.13	
108 1,2,4-Trichlorobenzene	180	20.693	20.695	-0.002	94	412237	2.00	2.15	
109 Naphthalene	128	20.833	20.834	-0.001	99	1017770	2.00	2.12	
110 Hexachlorobutadiene	225	21.049	21.052	-0.003	88	398461	2.00	1.99	
111 1,2,3-Trichlorobenzene	180	21.119	21.121	-0.002	92	426361	2.00	2.04	
113 1-Methylnaphthalene	142	21.982	21.969	0.013	100	1085133	2.00	2.35	
112 2-Methylnaphthalene	142	21.847	21.857	-0.010	99	830308	2.00	1.76	
A 116 C8 Range	1	14.115	(14.082-14.179)		0	1615371	2.00	2.00	
S 117 Xylenes, Total	100				0		6.00	5.93	
S 118 1,2-Dichloroethene, Total	1				0		4.00	4.10	

Reagents:

40CV101P_00113	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

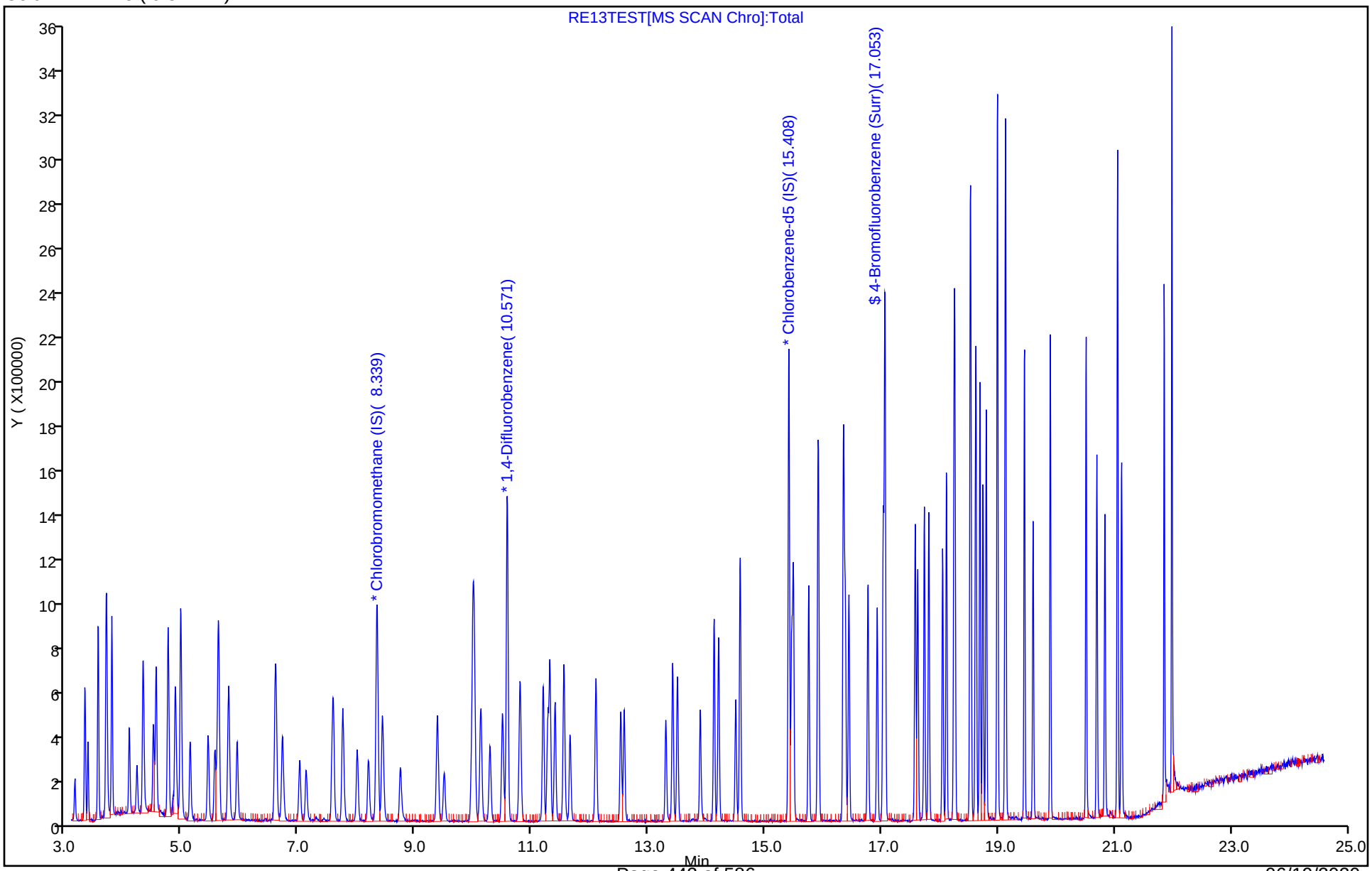
Report Date: 14-May-2020 14:48:47 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Injection Date:	14-May-2020 00:39:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	ICIS L7			Worklist Smp#:	22
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

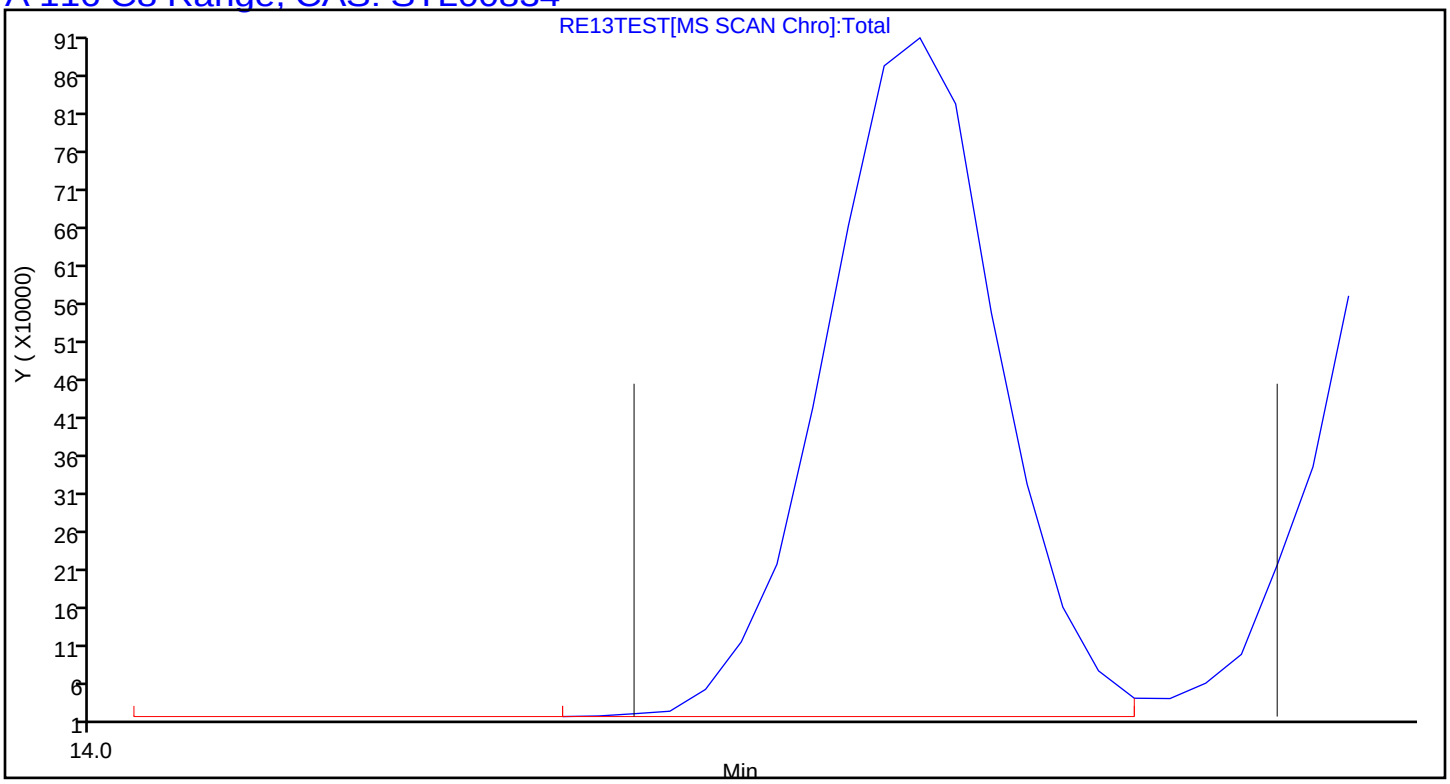


Report Date: 14-May-2020 14:48:47 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D				
Injection Date:	14-May-2020 00:39:30	Instrument ID:	MR		
Lims ID:	ICIS L7				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	9	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		

A 116 C8 Range, CAS: STL00834



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab Sample ID: ICV 140-39100/17 Calibration Date: 04/16/2020 20:21

Instrument ID: MH Calib Start Date: 04/16/2020 08:03

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 04/16/2020 18:34

Lab File ID: HD16ICV.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	4.220	4.359		1.03	1.00	3.3	35.0
Propene	Lin2		2.480			1.00	-8.0	35.0
Freon 12	Ave	6.490	7.104		1.09	1.00	9.5	35.0
Chloromethane	Ave	0.7074	0.7301		1.03	1.00	3.2	35.0
Freon-114	Ave	4.327	4.829		1.12	1.00	11.6	35.0
Acetaldehyde	Ave	0.7881	0.7790		4.94	5.00	-1.2	35.0
Vinyl chloride	Ave	2.321	2.584		1.11	1.00	11.3	35.0
1,3-Butadiene	Ave	1.577	1.793		1.14	1.00	13.7	35.0
Butane	Ave	2.750	3.140		1.14	1.00	14.2	35.0
Bromomethane	Ave	2.450	2.659		1.09	1.00	8.5	35.0
Chloroethane	Ave	0.9878	1.155		1.17	1.00	16.9	35.0
Ethanol	Ave	0.7132	0.6855		4.81	5.00	-3.9	35.0
Vinyl bromide	Ave	2.206	2.620		1.19	1.00	18.8	35.0
2-Methylbutane	Ave	2.018	2.407		1.19	1.00	19.3	35.0
Freon 11	Ave	5.819	6.299		1.08	1.00	8.3	35.0
Acrolein	Ave	0.6803	0.9006		1.32	1.00	32.4	35.0
Acetonitrile	Ave	0.7833	0.8861		1.13	1.00	13.1	35.0
Acetone	Ave	0.9000	1.006			1.00	11.7	35.0
2-Propanol	QuaF		3.572		1.32	1.00	31.9	35.0
Pentane	Ave	0.2516	0.3104		1.23	1.00	23.4	35.0
Ethyl ether	Ave	1.742	1.986		1.14	1.00	14.0	35.0
1,1-Dichloroethene	Ave	1.949	2.172		1.11	1.00	11.4	35.0
tert-Butyl alcohol	Ave	3.234	3.912		1.21	1.00	21.0	35.0
Acrylonitrile	Ave	1.476	1.723		1.17	1.00	16.7	35.0
Freon 113	Ave	4.513	5.096		1.13	1.00	12.9	35.0
Methylene Chloride	Lin2		3.071		1.14	1.00	13.9	35.0
3-Chloropropene	Ave	1.646	1.676		1.02	1.00	1.9	35.0
Carbon disulfide	Ave	5.838	6.516		1.12	1.00	11.6	35.0
trans-1,2-Dichloroethene	Ave	1.923	2.175		1.13	1.00	13.1	35.0
2-Methylpentane	Ave	3.805	3.944		1.04	1.00	3.7	35.0
Methyl tert-butyl ether	Ave	4.496	5.294		1.18	1.00	17.7	35.0
1,1-Dichloroethane	Ave	3.831	4.172		1.09	1.00	8.9	35.0
Vinyl acetate	Ave	4.773	5.645		1.18	1.00	18.3	35.0
2-Butanone	Ave	0.8517	1.001		1.18	1.00	17.5	35.0
Hexane	Ave	1.439	1.648		1.15	1.00	14.5	35.0
Isopropyl ether	Ave	6.178	7.245		1.17	1.00	17.3	35.0
cis-1,2-Dichloroethene	Ave	2.008	2.326		1.16	1.00	15.8	35.0
Ethyl acetate	Ave	4.315	4.538		1.05	1.00	5.2	35.0
Chloroform	Ave	4.723	5.155		1.09	1.00	9.2	35.0
Tert-butyl ethyl ether	Ave	5.380	6.026		1.12	1.00	12.0	35.0
Tetrahydrofuran	Ave	1.963	2.205		1.12	1.00	12.3	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab Sample ID: ICV 140-39100/17 Calibration Date: 04/16/2020 20:21

Instrument ID: MH Calib Start Date: 04/16/2020 08:03

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 04/16/2020 18:34

Lab File ID: HD16ICV.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
1,1,1-Trichloroethane	Ave	4.396	4.794		1.09	1.00	9.0	35.0
1,2-Dichloroethane	Ave	0.4234	0.4669		1.10	1.00	10.3	35.0
1-Butanol	Ave	0.0900	0.0978		1.09	1.00	8.6	35.0
Cyclohexane	Ave	0.1152	0.1380		1.20	1.00	19.8	35.0
Benzene	Ave	0.8700	0.9899		1.14	1.00	13.8	35.0
Carbon tetrachloride	Ave	0.6283	0.7210		1.15	1.00	14.8	35.0
2,3-Dimethylpentane	Ave	0.1652	0.1904		1.15	1.00	15.2	35.0
Thiophene	Ave	0.4876	0.5446		1.12	1.00	11.7	35.0
2,2,4-Trimethylpentane	Ave	1.322	1.512		1.14	1.00	14.3	35.0
Heptane	Ave	0.2446	0.2908		1.19	1.00	18.9	35.0
1,2-Dichloropropane	Ave	0.3566	0.3895		1.09	1.00	9.2	35.0
Trichloroethene	Ave	0.3557	0.4016		1.13	1.00	12.9	35.0
Dibromomethane	Ave	0.4357	0.4720		1.08	1.00	8.3	35.0
Bromodichloromethane	Ave	0.6822	0.7538		1.11	1.00	10.5	35.0
1,4-Dioxane	Ave	0.1267	0.1498		1.18	1.00	18.2	35.0
Methyl methacrylate	Ave	0.3209	0.3623		1.13	1.00	12.9	35.0
Methylcyclohexane	Lin1		0.6428		1.31	1.00	30.6	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6196	0.7159		1.16	1.00	15.5	35.0
cis-1,3-Dichloropropene	Ave	0.4613	0.5608		1.22	1.00	21.6	35.0
trans-1,3-Dichloropropene	Ave	0.4771	0.5946		1.25	1.00	24.6	35.0
Toluene	Lin2		1.387		1.20	1.00	19.5	35.0
1,1,2-Trichloroethane	Ave	0.4196	0.4763		1.14	1.00	13.5	35.0
2-Hexanone	Ave	0.3665	0.4479		1.22	1.00	22.2	35.0
Octane	Ave	0.3108	0.3896		1.25	1.00	25.4	35.0
Dibromochloromethane	Ave	0.7412	0.8715		1.18	1.00	17.6	35.0
1,2-Dibromoethane	Ave	0.6932	0.8193		1.18	1.00	18.2	35.0
Tetrachloroethene	Ave	0.4285	0.4959		1.16	1.00	15.7	35.0
Chlorobenzene	Ave	0.9309	1.070		1.15	1.00	15.0	35.0
2,3-Dimethylheptane	Ave	1.051	1.062		1.01	1.00	1.0	35.0
Ethylbenzene	Ave	1.444	1.765		1.22	1.00	22.2	35.0
m-Xylene & p-Xylene	Ave	1.101	1.402		2.55	2.00	27.3	35.0
Nonane	Ave	0.7090	0.8503		1.20	1.00	19.9	35.0
Bromoform	Ave	0.7614	0.8772		1.15	1.00	15.2	35.0
Styrene	Lin2		0.9657		1.17	1.00	17.0	35.0
o-Xylene	Ave	1.141	1.402		1.23	1.00	22.9	35.0
1,1,2,2-Tetrachloroethane	Ave	1.094	1.218		1.11	1.00	11.3	35.0
1,2,3-Trichloropropane	Ave	0.2413	0.2717		1.13	1.00	12.6	35.0
Cumene	Ave	1.541	1.868		1.21	1.00	21.2	35.0
Propylbenzene	Ave	0.3970	0.4806		1.21	1.00	21.1	35.0
2-Chlorotoluene	Ave	0.3853	0.4796		1.24	1.00	24.5	35.0
4-Ethyltoluene	Ave	1.519	1.760		1.16	1.00	15.9	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab Sample ID: ICV 140-39100/17 Calibration Date: 04/16/2020 20:21

Instrument ID: MH Calib Start Date: 04/16/2020 08:03

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 04/16/2020 18:34

Lab File ID: HD16ICV.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
1,3,5-Trimethylbenzene	Lin2		0.8168		1.29	1.00	29.4	35.0
Alpha Methyl Styrene	Ave	0.6067	0.6959		1.15	1.00	14.7	35.0
Decane	Ave	0.9946	1.131		1.14	1.00	13.7	35.0
tert-Butylbenzene	Ave	1.356	1.572		1.16	1.00	15.9	35.0
1,2,4-Trimethylbenzene	Ave	1.351	1.595		1.18	1.00	18.0	35.0
sec-Butylbenzene	Ave	1.945	2.314		1.19	1.00	19.0	35.0
1,3-Dichlorobenzene	Ave	0.8923	1.024		1.15	1.00	14.8	35.0
alpha-Chlorotoluene	Ave	1.141	1.247		1.09	1.00	9.2	35.0
1,4-Dichlorobenzene	Ave	0.8484	0.9853		1.16	1.00	16.1	35.0
4-Isopropyltoluene	Ave	1.493	1.737		1.16	1.00	16.3	35.0
1,2,3-Trimethylbenzene	Ave	1.345	1.147		0.852	1.00	-14.8	35.0
Butylcyclohexane	Ave	1.153	1.225		1.06	1.00	6.3	35.0
1,2-Dichlorobenzene	Ave	0.8999	1.019		1.13	1.00	13.2	35.0
Indane	Ave	1.268	1.412		1.11	1.00	11.3	35.0
Indene	Ave	1.132	1.049		0.927	1.00	-7.3	35.0
Butylbenzene	Lin2		2.069		1.09	1.00	9.5	35.0
Undecane	Ave	1.121	1.206		1.08	1.00	7.6	35.0
1,2-Dibromo-3-Chloropropane	Lin1		0.4292		0.892	1.00	-10.8	35.0
1,2,4,5-Tetramethylbenzene	Lin1		1.494		0.948	1.00	-5.2	35.0
Dodecane	Ave	1.106	1.075		0.972	1.00	-2.8	35.0
1,2,4-Trichlorobenzene	Ave	0.5604	0.7271		1.30	1.00	29.8	35.0
Naphthalene	Ave	1.278	1.674		1.31	1.00	31.0	35.0
Hexachlorobutadiene	Ave	0.7746	0.8508		1.10	1.00	9.8	35.0
1,2,3-Trichlorobenzene	Ave	0.6293	0.7548		1.20	1.00	20.0	35.0
2-Methylnaphthalene	Ave	0.4394	0.2841			1.00	-35.4	50.0
1-Methylnaphthalene	Ave	0.5456	0.3882			1.00	-28.8	50.0
4-Bromofluorobenzene (Surr)	Ave	0.6711	0.6703		4.00	4.00	-0.1	35.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16ICV.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 16-Apr-2020 20:21:30 ALS Bottle#: 9 Worklist Smp#: 17
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015239-017
Misc. Info.: S117
Operator ID: HMT Instrument ID: MH
Sublist:

Method: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 21-Apr-2020 10:49:05 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0331

First Level Reviewer: tajh Date: 20-Apr-2020 08:20:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.587	8.603	-0.016	95	348376	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.794	10.805	-0.011	95	2365337	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.570	15.575	-0.005	88	1913911	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.224	17.229	-0.005	91	1282863	4.00	4.00	
6 Chlorodifluoromethane	51	3.543	3.543	0.000	96	379618	1.00	1.03	
7 Propene	41	3.553	3.553	0.000	99	216028	1.00	0.9198	7
8 Dichlorodifluoromethane	85	3.605	3.605	0.000	100	618723	1.00	1.09	
9 Chloromethane	52	3.776	3.781	-0.005	97	63584	1.00	1.03	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.781	3.786	-0.005	94	420592	1.00	1.12	
11 Acetaldehyde	44	3.926	3.931	-0.005	93	339219	5.00	4.94	
12 Vinyl chloride	62	3.941	3.946	-0.005	98	225036	1.00	1.11	
14 Butadiene	54	4.024	4.029	-0.005	70	156192	1.00	1.14	
13 Butane	43	4.024	4.029	-0.005	83	273481	1.00	1.14	
15 Bromomethane	94	4.334	4.339	-0.005	98	231562	1.00	1.09	
16 Chloroethane	64	4.468	4.479	-0.011	95	100590	1.00	1.17	
17 Ethanol	31	4.561	4.587	-0.026	91	298503	5.00	4.81	
18 Vinyl bromide	106	4.758	4.768	-0.010	98	228211	1.00	1.19	
19 2-Methylbutane	43	4.809	4.809	0.000	89	209621	1.00	1.19	
20 Trichlorofluoromethane	101	5.021	5.026	-0.005	99	548637	1.00	1.08	
21 Acrolein	56	5.032	5.042	-0.010	92	78440	1.00	1.32	
22 Acetonitrile	40	5.099	5.114	-0.015	99	77170	1.00	1.13	
23 Acetone	58	5.145	5.150	-0.005	97	87581	1.00	1.12	
24 Pentane	72	5.233	5.243	-0.010	98	27034	1.00	1.23	
25 Isopropyl alcohol	45	5.228	5.254	-0.026	93	311139	1.00	1.32	
26 Ethyl ether	31	5.399	5.404	-0.005	94	172977	1.00	1.14	
27 1,1-Dichloroethene	96	5.714	5.724	-0.010	97	189125	1.00	1.11	
29 2-Methyl-2-propanol	59	5.812	5.827	-0.015	95	340718	1.00	1.21	
28 Acrylonitrile	53	5.822	5.838	-0.016	94	150056	1.00	1.17	
30 1,1,2-Trichloro-1,2,2-trif	101	5.884	5.895	-0.011	93	443841	1.00	1.13	
31 Methylene Chloride	84	6.060	6.076	-0.016	97	267497	1.00	1.14	

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	6.070	6.086	-0.016	97	145984	1.00	1.02	
33 Carbon disulfide	76	6.215	6.225	-0.010	99	567472	1.00	1.12	
34 trans-1,2-Dichloroethene	96	6.861	6.871	-0.010	98	189462	1.00	1.13	
35 2-Methylpentane	43	6.872	6.882	-0.010	94	343472	1.00	1.04	
36 Methyl tert-butyl ether	73	6.980	6.980	0.000	97	461090	1.00	1.18	
37 1,1-Dichloroethane	63	7.275	7.295	-0.020	100	363328	1.00	1.09	
38 Vinyl acetate	43	7.378	7.394	-0.016	100	491664	1.00	1.18	
39 2-Butanone (MEK)	72	7.823	7.833	-0.010	96	87196	1.00	1.18	
40 Hexane	56	7.848	7.853	-0.005	89	143518	1.00	1.15	
41 Isopropyl ether	45	8.003	8.009	-0.006	98	631010	1.00	1.17	
42 cis-1,2-Dichloroethene	96	8.257	8.272	-0.015	95	202553	1.00	1.16	
43 Ethyl acetate	43	8.438	8.448	-0.010	99	395216	1.00	1.05	
44 Chloroform	83	8.598	8.618	-0.020	96	448979	1.00	1.09	
45 Tert-butyl ethyl ether	59	8.675	8.686	-0.011	96	524857	1.00	1.12	
46 Tetrahydrofuran	42	8.996	8.991	0.005	94	192025	1.00	1.12	
47 1,1,1-Trichloroethane	97	9.621	9.637	-0.016	96	417494	1.00	1.09	
48 1,2-Dichloroethane	62	9.740	9.750	-0.010	97	276066	1.00	1.10	
49 n-Butanol	31	10.190	10.190	0.000	61	57807	1.00	1.09	
50 Cyclohexane	69	10.226	10.236	-0.010	78	81576	1.00	1.20	
51 Benzene	78	10.231	10.246	-0.015	97	585363	1.00	1.14	
52 Carbon tetrachloride	117	10.252	10.262	-0.010	96	426341	1.00	1.15	
53 2,3-Dimethylpentane	71	10.350	10.360	-0.010	90	112564	1.00	1.15	
54 Thiophene	84	10.510	10.526	-0.016	96	322060	1.00	1.12	
55 Isooctane	57	11.006	11.011	-0.005	99	893841	1.00	1.14	
56 n-Heptane	71	11.389	11.399	-0.010	90	171968	1.00	1.19	
57 1,2-Dichloropropane	63	11.477	11.487	-0.010	93	230318	1.00	1.09	
58 Trichloroethene	130	11.513	11.523	-0.010	92	237489	1.00	1.13	
59 Dibromomethane	93	11.601	11.611	-0.010	93	279108	1.00	1.08	
60 Dichlorobromomethane	83	11.751	11.756	-0.005	98	445773	1.00	1.11	
61 1,4-Dioxane	88	11.761	11.761	0.000	85	88605	1.00	1.18	
62 Methyl methacrylate	41	11.844	11.854	-0.010	95	214263	1.00	1.13	
63 Methylcyclohexane	83	12.288	12.293	-0.005	96	380089	1.00	1.31	
64 4-Methyl-2-pentanone (MIBK	43	12.702	12.707	-0.005	97	423304	1.00	1.16	
65 cis-1,3-Dichloropropene	75	12.764	12.774	-0.010	93	331632	1.00	1.22	
66 trans-1,3-Dichloropropene	75	13.472	13.477	-0.005	98	284505	1.00	1.25	
67 Toluene	91	13.590	13.596	-0.006	93	663552	1.00	1.20	
68 1,1,2-Trichloroethane	83	13.668	13.673	-0.005	96	227899	1.00	1.14	
69 2-Hexanone	58	14.050	14.056	-0.006	92	214319	1.00	1.22	
70 n-Octane	85	14.288	14.293	-0.005	92	186400	1.00	1.25	
71 Chlorodibromomethane	129	14.376	14.381	-0.005	97	417013	1.00	1.18	
72 Ethylene Dibromide	107	14.665	14.676	-0.011	98	392028	1.00	1.18	
73 Tetrachloroethene	129	14.738	14.743	-0.005	93	237283	1.00	1.16	
74 Chlorobenzene	112	15.622	15.627	-0.005	93	512134	1.00	1.15	
75 2,3-Dimethylheptane	43	15.642	15.647	-0.005	96	508311	1.00	1.01	
76 Ethylbenzene	91	15.911	15.916	-0.005	99	844335	1.00	1.22	
77 m-Xylene & p-Xylene	91	16.071	16.082	-0.011	99	1341555	2.00	2.55	
78 n-Nonane	57	16.495	16.500	-0.005	91	406843	1.00	1.20	
79 Bromoform	173	16.526	16.531	-0.005	92	419716	1.00	1.15	
80 Styrene	104	16.542	16.547	-0.005	99	462062	1.00	1.17	
81 o-Xylene	91	16.604	16.609	-0.005	98	670895	1.00	1.23	
82 1,1,2,2-Tetrachloroethane	83	16.929	16.934	-0.005	99	582701	1.00	1.11	
83 1,2,3-Trichloropropane	110	17.089	17.095	-0.006	98	129980	1.00	1.13	

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	17.188	17.193	-0.005	97	893846	1.00	1.21	
85 N-Propylbenzene	120	17.751	17.756	-0.005	98	229958	1.00	1.21	
86 2-Chlorotoluene	126	17.798	17.756	0.042	98	229488	1.00	1.24	
87 4-Ethyltoluene	105	17.911	17.916	-0.005	99	842275	1.00	1.16	
88 1,3,5-Trimethylbenzene	120	17.994	17.994	0.000	92	390808	1.00	1.29	
89 Alpha Methyl Styrene	118	18.237	18.242	-0.005	87	332986	1.00	1.15	
90 n-Decane	57	18.299	18.304	-0.005	90	540922	1.00	1.14	
91 tert-Butylbenzene	119	18.438	18.443	-0.005	89	752086	1.00	1.16	
92 1,2,4-Trimethylbenzene	105	18.454	18.459	-0.005	96	762977	1.00	1.18	
93 sec-Butylbenzene	105	18.723	18.723	0.000	99	1107036	1.00	1.19	
94 1,3-Dichlorobenzene	146	18.738	18.743	-0.005	98	490057	1.00	1.15	
95 Benzyl chloride	91	18.816	18.826	-0.010	97	596425	1.00	1.09	
96 1,4-Dichlorobenzene	146	18.826	18.836	-0.010	92	471446	1.00	1.16	
97 4-Isopropyltoluene	119	18.893	18.898	-0.005	96	831196	1.00	1.16	
98 1,2,3-Trimethylbenzene	105	18.945	18.955	-0.010	99	548622	1.00	0.8522	
99 Butylcyclohexane	83	19.002	19.012	-0.010	94	586264	1.00	1.06	
101 2,3-Dihydroindene	117	19.203	19.208	-0.005	93	675567	1.00	1.11	
100 1,2-Dichlorobenzene	146	19.203	19.214	-0.011	82	487474	1.00	1.13	
102 Indene	116	19.338	19.343	-0.005	89	502015	1.00	0.9269	
103 n-Butylbenzene	91	19.348	19.353	-0.005	97	989875	1.00	1.09	
104 Undecane	57	19.668	19.674	-0.006	95	577128	1.00	1.08	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.834	0.000	97	205341	1.00	0.8917	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	96	714956	1.00	0.9476	a
107 Dodecane	57	20.764	20.769	-0.005	96	514185	1.00	0.9718	
108 1,2,4-Trichlorobenzene	180	20.966	20.971	-0.005	93	347909	1.00	1.30	
109 Naphthalene	128	21.110	21.116	-0.006	99	801144	1.00	1.31	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	91	407109	1.00	1.10	
111 1,2,3-Trichlorobenzene	180	21.410	21.415	-0.005	92	361176	1.00	1.20	
112 2-Methylnaphthalene	142	22.061	22.061	0.000	97	135916	1.00	0.6464	
113 1-Methylnaphthalene	142	22.191	22.191	0.000	98	185766	1.00	0.7116	
A 115 C8 Range	1	14.281	(14.242-14.335)		0	1759244	1.00	1.14	
S 116 Xylenes, Total	100				0		3.00	3.77	
S 117 1,2-Dichloroethene, Total	1				0		2.00	2.29	
T 139 2-Methylthiophene TIC	97	13.746	13.673	0.073	95	527741	1.00	1.10	
T 142 3-Methylthiophene TIC	97	13.947	13.673	0.274	95	523022	1.00	1.09	
T 141 2-Ethylthiophene TIC	97	16.014	15.580	0.434	97	622158	1.00	1.30	
T 152 1,2-Dimethyl-4-Ethylbenzen	119	19.731	20.144	-0.414	96	605562	1.00	1.27	
T 149 1,2,3,5-Tetramethylbenzene	119	20.128	20.144	-0.016	96	710716	1.00	1.49	
T 151 Benzo(b)thiophene TIC	134	21.224	22.283	-1.059	97	382355	1.00	0.7991	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

40CV101S_00117	Amount Added: 50.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

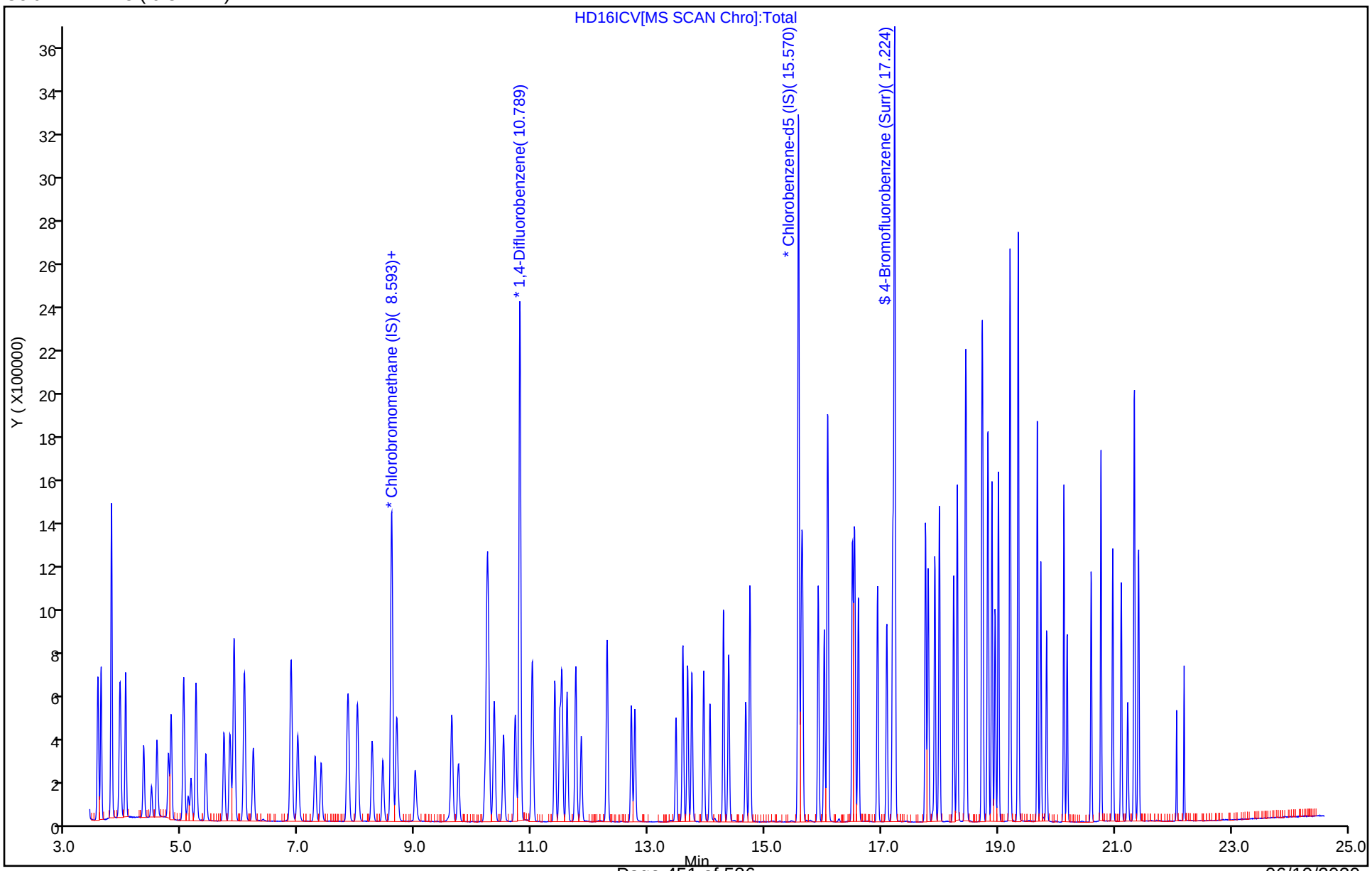
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Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16ICV.D

Injection Date:	16-Apr-2020 20:21:30	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#:	9
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

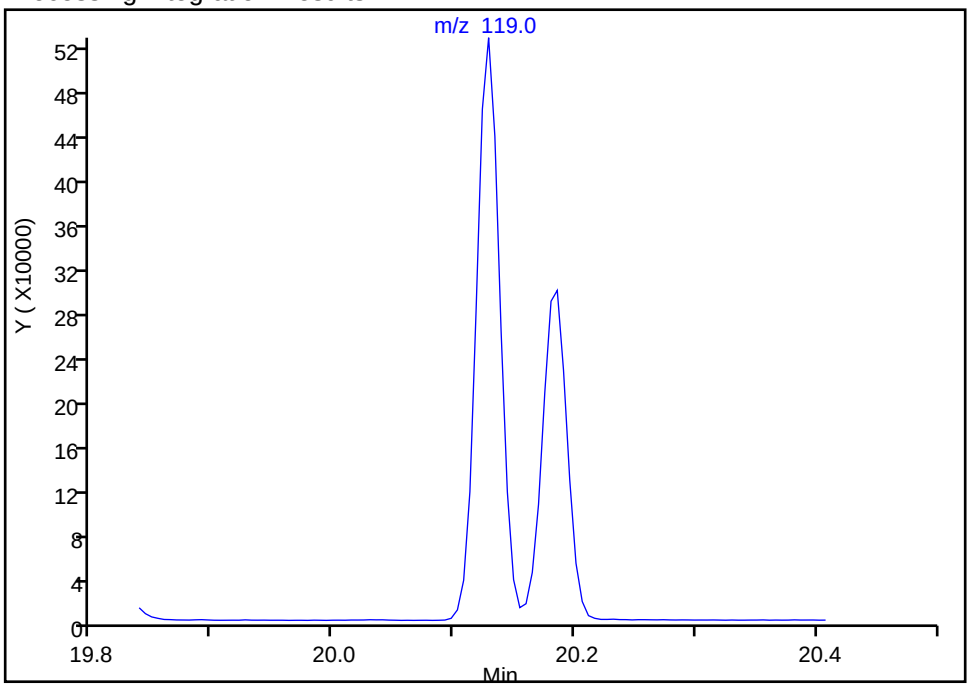
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Injection Date:	16-Apr-2020 20:21:30	Instrument ID:	MH		
Lims ID:	ICV				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	9	Worklist Smp#:	17
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

106 1,2,4,5-Tetramethylbenzene, CAS: 95-93-2

Signal: 1

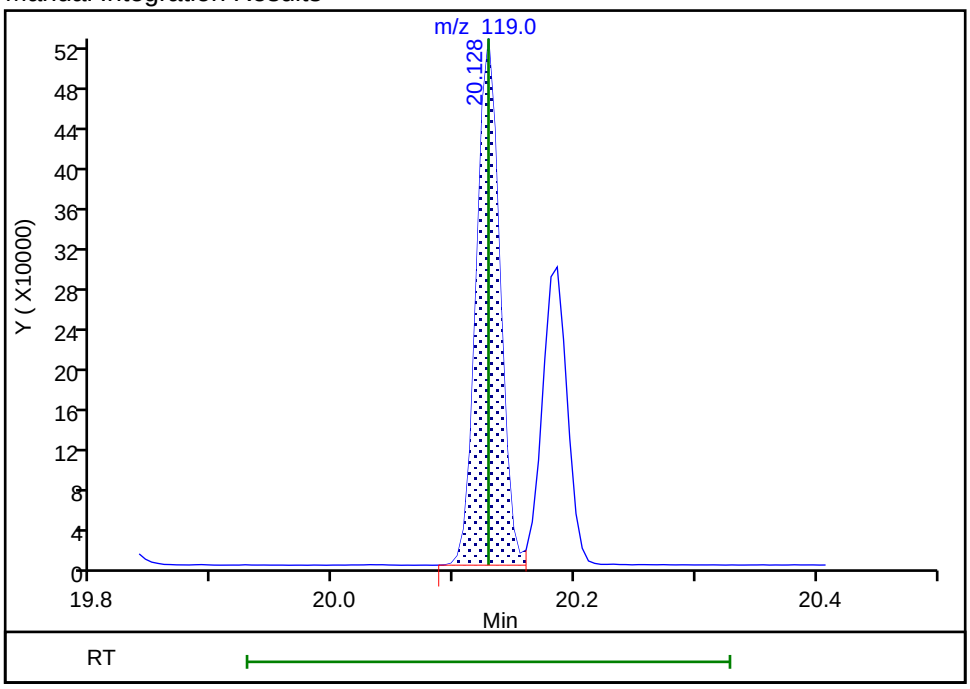
Not Detected
Expected RT: 20.13

Processing Integration Results



Manual Integration Results

RT: 20.13
Area: 714956
Amount: 0.947599
Amount Units: ppb v/v



Reviewer: tajh, 20-Apr-2020 13:02:58
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab Sample ID: CCVIS 140-40269/2 Calibration Date: 06/12/2020 08:09

Instrument ID: MH Calib Start Date: 04/16/2020 08:03

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 04/16/2020 18:34

Lab File ID: HCCVF12.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	4.220	4.402		1.67	1.60	4.3	30.0
Propene	Lin2		2.246		1.67	1.60	4.5	30.0
Freon 12	Ave	6.490	7.112		1.75	1.60	9.6	30.0
Chloromethane	Ave	0.7074	0.7123		1.61	1.60	0.7	30.0
Freon-114	Ave	4.327	4.169		1.54	1.60	-3.6	30.0
Acetaldehyde	Ave	0.7881	0.7827		7.94	8.00	-0.7	30.0
Vinyl chloride	Ave	2.321	2.083		1.44	1.60	-10.2	30.0
1,3-Butadiene	Ave	1.577	1.541		1.56	1.60	-2.3	30.0
Butane	Ave	2.750	2.783		1.62	1.60	1.2	30.0
Bromomethane	Ave	2.450	2.390		1.56	1.60	-2.5	30.0
Chloroethane	Ave	0.9878	1.010		1.64	1.60	2.2	30.0
Ethanol	Ave	0.7132	0.7618		8.54	8.00	6.8	30.0
Vinyl bromide	Ave	2.206	2.131		1.55	1.60	-3.4	30.0
2-Methylbutane	Ave	2.018	2.129		1.69	1.60	5.5	30.0
Freon 11	Ave	5.819	6.323		1.74	1.60	8.7	30.0
Acrolein	Ave	0.6803	0.5637		1.33	1.60	-17.1	30.0
Acetonitrile	Ave	0.7833	0.8161		1.67	1.60	4.2	30.0
Acetone	Ave	0.9000	0.8136		4.34	4.80	-9.6	30.0
2-Propanol	QuaF		2.358		4.23	4.80	-11.9	30.0
Pentane	Ave	0.2516	0.2247		1.43	1.60	-10.7	30.0
Ethyl ether	Ave	1.742	1.532		1.41	1.60	-12.0	30.0
1,1-Dichloroethene	Ave	1.949	1.494		1.23	1.60	-23.4	30.0
tert-Butyl alcohol	Ave	3.234	2.830		1.40	1.60	-12.5	30.0
Acrylonitrile	Ave	1.476	1.415		1.53	1.60	-4.2	30.0
Freon 113	Ave	4.513	4.350		1.54	1.60	-3.6	30.0
Methylene Chloride	Lin2		2.428		1.60	1.60	0.3	30.0
3-Chloropropene	Ave	1.646	1.531		1.49	1.60	-7.0	30.0
Carbon disulfide	Ave	5.838	5.202		1.43	1.60	-10.9	30.0
trans-1,2-Dichloroethene	Ave	1.923	1.583		1.32	1.60	-17.7	30.0
2-Methylpentane	Ave	3.805	3.380		1.42	1.60	-11.2	30.0
Methyl tert-butyl ether	Ave	4.496	3.892		1.39	1.60	-13.4	30.0
1,1-Dichloroethane	Ave	3.831	3.346		1.40	1.60	-12.7	30.0
Vinyl acetate	Ave	4.773	4.107		1.38	1.60	-13.9	30.0
2-Butanone	Ave	0.8517	0.6542		1.23	1.60	-23.2	30.0
Hexane	Ave	1.439	1.324		1.47	1.60	-8.0	30.0
Isopropyl ether	Ave	6.178	5.559		1.44	1.60	-10.0	30.0
cis-1,2-Dichloroethene	Ave	2.008	1.568		1.25	1.60	-21.9	30.0
Ethyl acetate	Ave	4.315	3.849		1.43	1.60	-10.8	30.0
Chloroform	Ave	4.723	4.630		1.57	1.60	-2.0	30.0
Tert-butyl ethyl ether	Ave	5.380	4.731		1.41	1.60	-12.1	30.0
Tetrahydrofuran	Ave	1.963	1.634		1.33	1.60	-16.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab Sample ID: CCVIS 140-40269/2 Calibration Date: 06/12/2020 08:09

Instrument ID: MH Calib Start Date: 04/16/2020 08:03

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 04/16/2020 18:34

Lab File ID: HCCVF12.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
1,1,1-Trichloroethane	Ave	4.396	4.373		1.59	1.60	-0.5	30.0
1,2-Dichloroethane	Ave	0.4234	0.3924		1.48	1.60	-7.3	30.0
1-Butanol	Ave	0.0900	0.0554		0.986	1.60	-38.4*	30.0
Cyclohexane	Ave	0.1152	0.0856		1.19	1.60	-25.7	30.0
Benzene	Ave	0.8700	0.6729		1.24	1.60	-22.7	30.0
Carbon tetrachloride	Ave	0.6283	0.6477		1.65	1.60	3.1	30.0
2,3-Dimethylpentane	Ave	0.1652	0.1220		1.18	1.60	-26.1	30.0
Thiophene	Ave	0.4876	0.3751		1.23	1.60	-23.1	30.0
2,2,4-Trimethylpentane	Ave	1.322	1.028		1.24	1.60	-22.3	30.0
Heptane	Ave	0.2446	0.1760		1.15	1.60	-28.1	30.0
1,2-Dichloropropane	Ave	0.3566	0.2825		1.27	1.60	-20.8	30.0
Trichloroethene	Ave	0.3557	0.2774		1.25	1.60	-22.0	30.0
Dibromomethane	Ave	0.4357	0.3782		1.39	1.60	-13.2	30.0
Bromodichloromethane	Ave	0.6822	0.6377		1.50	1.60	-6.5	30.0
1,4-Dioxane	Ave	0.1267	0.0797		1.01	1.60	-37.1*	30.0
Methyl methacrylate	Ave	0.3209	0.2725		1.36	1.60	-15.1	30.0
Methylcyclohexane	Lin1		0.3265		1.07	1.60	-33.4*	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6196	0.5308		1.37	1.60	-14.3	30.0
cis-1,3-Dichloropropene	Ave	0.4613	0.4040		1.40	1.60	-12.4	30.0
trans-1,3-Dichloropropene	Ave	0.4771	0.3988		1.34	1.60	-16.4	30.0
Toluene	Lin2		0.9202		1.27	1.60	-20.8	30.0
1,1,2-Trichloroethane	Ave	0.4196	0.3653		1.39	1.60	-12.9	30.0
2-Hexanone	Ave	0.3665	0.2860		1.25	1.60	-22.0	30.0
Octane	Ave	0.3108	0.2516		1.30	1.60	-19.0	30.0
Dibromochloromethane	Ave	0.7412	0.7633		1.65	1.60	3.0	30.0
1,2-Dibromoethane	Ave	0.6932	0.6045		1.40	1.60	-12.8	30.0
Tetrachloroethene	Ave	0.4285	0.3683		1.38	1.60	-14.0	30.0
Chlorobenzene	Ave	0.9309	0.7833		1.35	1.60	-15.9	30.0
2,3-Dimethylheptane	Ave	1.051	0.9911		1.51	1.60	-5.7	30.0
Ethylbenzene	Ave	1.444	1.220		1.35	1.60	-15.5	30.0
m-Xylene & p-Xylene	Ave	1.101	1.060		3.08	3.20	-3.8	30.0
Nonane	Ave	0.7090	0.6209		1.40	1.60	-12.4	30.0
Bromoform	Ave	0.7614	0.8597		1.81	1.60	12.9	30.0
Styrene	Lin2		0.7339		1.42	1.60	-11.5	30.0
o-Xylene	Ave	1.141	1.120		1.57	1.60	-1.9	30.0
1,1,2,2-Tetrachloroethane	Ave	1.094	0.9815		1.44	1.60	-10.3	30.0
1,2,3-Trichloropropane	Ave	0.2413	0.2317		1.54	1.60	-4.0	30.0
Cumene	Ave	1.541	1.394		1.45	1.60	-9.5	30.0
Propylbenzene	Ave	0.3970	0.3342		1.35	1.60	-15.8	30.0
2-Chlorotoluene	Ave	0.3853	0.3661		1.52	1.60	-5.0	30.0
4-Ethyltoluene	Ave	1.519	1.403		1.48	1.60	-7.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab Sample ID: CCVIS 140-40269/2 Calibration Date: 06/12/2020 08:09

Instrument ID: MH Calib Start Date: 04/16/2020 08:03

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 04/16/2020 18:34

Lab File ID: HCCVF12.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
1,3,5-Trimethylbenzene	Lin2		0.5629		1.42	1.60	-11.0	30.0
Alpha Methyl Styrene	Ave	0.6067	0.5196		1.37	1.60	-14.4	30.0
Decane	Ave	0.9946	0.9669		1.56	1.60	-2.8	30.0
tert-Butylbenzene	Ave	1.356	1.322		1.56	1.60	-2.5	30.0
1,2,4-Trimethylbenzene	Ave	1.351	1.389		1.65	1.60	2.8	30.0
sec-Butylbenzene	Ave	1.945	1.920		1.58	1.60	-1.3	30.0
1,3-Dichlorobenzene	Ave	0.8923	0.9056		1.62	1.60	1.5	30.0
alpha-Chlorotoluene	Ave	1.141	1.126		1.58	1.60	-1.3	30.0
1,4-Dichlorobenzene	Ave	0.8484	0.8597		1.62	1.60	1.3	30.0
4-Isopropyltoluene	Ave	1.493	1.529		1.64	1.60	2.4	30.0
1,2,3-Trimethylbenzene	Ave	1.345	1.386		1.65	1.60	3.0	30.0
Butylcyclohexane	Ave	1.153	1.126		1.56	1.60	-2.3	30.0
1,2-Dichlorobenzene	Ave	0.8999	0.9333		1.66	1.60	3.7	30.0
Indane	Ave	1.268	1.270		1.60	1.60	0.1	30.0
Indene	Ave	1.132	1.093		1.55	1.60	-3.4	30.0
Butylbenzene	Lin2		1.924		1.61	1.60	0.8	30.0
Undecane	Ave	1.121	1.114		1.59	1.60	-0.6	30.0
1,2-Dibromo-3-Chloropropane	Lin1		0.5055		1.63	1.60	2.0	30.0
1,2,4,5-Tetramethylbenzene	Lin1		1.431		1.41	1.60	-11.7	30.0
Dodecane	Ave	1.106	1.072		1.55	1.60	-3.0	30.0
1,2,4-Trichlorobenzene	Ave	0.5604	0.6375		1.82	1.60	13.8	30.0
Naphthalene	Ave	1.278	1.442		1.80	1.60	12.8	30.0
Hexachlorobutadiene	Ave	0.7746	0.8567		1.77	1.60	10.6	30.0
1,2,3-Trichlorobenzene	Ave	0.6293	0.6816		1.73	1.60	8.3	30.0
2-Methylnaphthalene	Ave	0.4394	0.4223		1.54	1.60	-3.9	50.0
1-Methylnaphthalene	Ave	0.5456	0.7398		2.17	1.60	35.6	50.0
4-Bromofluorobenzene (Surr)	Ave	0.6711	0.7893		4.71	4.00	17.6	30.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HCCVF12.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 12-Jun-2020 08:09:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015720-002
Misc. Info.: P116 80ML
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 15-Jun-2020 10:46:54 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1051

First Level Reviewer: khachitpongpanits Date: 15-Jun-2020 10:46:54

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
*	1 Chlorobromomethane (IS)	128	8.577	8.577	0.000	93	148005	4.00	4.00	
*	2 1,4-Difluorobenzene	114	10.779	10.779	0.000	96	1110205	4.00	4.00	
*	3 Chlorobenzene-d5 (IS)	117	15.565	15.565	0.000	91	874458	4.00	4.00	
$	4 4-Bromofluorobenzene (Surr)	95	17.214	17.214	0.000	89	690245	4.00	4.71	
	6 Chlorodifluoromethane	51	3.538	3.538	0.000	96	260626	1.60	1.67	
	7 Propene	41	3.553	3.553	0.000	100	132960	1.60	1.67	
	8 Dichlorodifluoromethane	85	3.600	3.600	0.000	100	421049	1.60	1.75	
	9 Chloromethane	52	3.776	3.776	0.000	54	42172	1.60	1.61	
	10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.781	3.781	0.000	95	246829	1.60	1.54	
	11 Acetaldehyde	44	3.920	3.920	0.000	100	231683	8.00	7.94	
	12 Vinyl chloride	62	3.936	3.936	0.000	99	123309	1.60	1.44	
	13 Butane	43	4.019	4.019	0.000	81	164752	1.60	1.62	
	14 Butadiene	54	4.019	4.019	0.000	74	91232	1.60	1.56	
	15 Bromomethane	94	4.329	4.329	0.000	97	141469	1.60	1.56	
	16 Chloroethane	64	4.468	4.468	0.000	96	59784	1.60	1.64	
	17 Ethanol	31	4.561	4.561	0.000	93	225500	8.00	8.54	
	18 Vinyl bromide	106	4.753	4.753	0.000	96	126174	1.60	1.55	
	19 2-Methylbutane	43	4.794	4.794	0.000	88	126025	1.60	1.69	
	20 Trichlorofluoromethane	101	5.011	5.011	0.000	99	374348	1.60	1.74	
	21 Acrolein	56	5.021	5.021	0.000	94	33370	1.60	1.33	
	22 Acetonitrile	40	5.089	5.089	0.000	99	48316	1.60	1.67	
	23 Acetone	58	5.135	5.135	0.000	99	144501	4.80	4.34	
	25 Isopropyl alcohol	45	5.218	5.218	0.000	93	418716	4.80	4.23	
	24 Pentane	72	5.223	5.223	0.000	96	13305	1.60	1.43	
	26 Ethyl ether	31	5.388	5.388	0.000	93	90714	1.60	1.41	
	27 1,1-Dichloroethene	96	5.704	5.704	0.000	94	88432	1.60	1.23	
	29 2-Methyl-2-propanol	59	5.807	5.807	0.000	96	167543	1.60	1.40	
	28 Acrylonitrile	53	5.812	5.812	0.000	94	83755	1.60	1.53	
	30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.879	5.879	0.000	91	257535	1.60	1.54	
	31 Methylene Chloride	84	6.050	6.050	0.000	96	143753	1.60	1.60	

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	6.065	6.065	0.000	96	90622	1.60	1.49	
33 Carbon disulfide	76	6.205	6.205	0.000	99	307967	1.60	1.43	
34 trans-1,2-Dichloroethene	96	6.846	6.846	0.000	93	93704	1.60	1.32	
35 2-Methylpentane	43	6.861	6.861	0.000	94	200080	1.60	1.42	
36 Methyl tert-butyl ether	73	6.965	6.965	0.000	95	230437	1.60	1.39	
37 1,1-Dichloroethane	63	7.264	7.264	0.000	99	198073	1.60	1.40	
38 Vinyl acetate	43	7.368	7.368	0.000	99	243167	1.60	1.38	
39 2-Butanone (MEK)	72	7.812	7.812	0.000	95	38729	1.60	1.23	
40 Hexane	56	7.833	7.833	0.000	87	78372	1.60	1.47	
41 Isopropyl ether	45	7.988	7.988	0.000	95	329075	1.60	1.44	
42 cis-1,2-Dichloroethene	96	8.246	8.246	0.000	98	92799	1.60	1.25	
43 Ethyl acetate	43	8.427	8.427	0.000	99	227885	1.60	1.43	
44 Chloroform	83	8.587	8.587	0.000	98	274129	1.60	1.57	
45 Tert-butyl ethyl ether	59	8.665	8.665	0.000	97	280074	1.60	1.41	
46 Tetrahydrofuran	42	8.980	8.980	0.000	91	96735	1.60	1.33	
47 1,1,1-Trichloroethane	97	9.611	9.611	0.000	96	258885	1.60	1.59	
48 1,2-Dichloroethane	62	9.725	9.725	0.000	97	174277	1.60	1.48	
49 n-Butanol	31	10.179	10.179	0.000	80	24618	1.60	0.9858	
50 Cyclohexane	69	10.216	10.216	0.000	69	38011	1.60	1.19	
51 Benzene	78	10.221	10.221	0.000	97	298820	1.60	1.24	
52 Carbon tetrachloride	117	10.241	10.241	0.000	95	287633	1.60	1.65	
53 2,3-Dimethylpentane	71	10.340	10.340	0.000	88	54173	1.60	1.18	
54 Thiophene	84	10.500	10.500	0.000	96	166551	1.60	1.23	
55 Isooctane	57	10.991	10.991	0.000	97	456530	1.60	1.24	
56 n-Heptane	71	11.384	11.384	0.000	91	78142	1.60	1.15	
57 1,2-Dichloropropane	63	11.466	11.466	0.000	87	125461	1.60	1.27	
58 Trichloroethene	130	11.502	11.502	0.000	88	123191	1.60	1.25	
59 Dibromomethane	93	11.590	11.590	0.000	87	167971	1.60	1.39	
60 Dichlorobromomethane	83	11.740	11.740	0.000	97	283167	1.60	1.50	
61 1,4-Dioxane	88	11.751	11.751	0.000	91	35375	1.60	1.01	
62 Methyl methacrylate	41	11.833	11.833	0.000	90	121022	1.60	1.36	
63 Methylcyclohexane	83	12.278	12.278	0.000	91	144987	1.60	1.07	
64 4-Methyl-2-pentanone (MIBK)	43	12.691	12.691	0.000	98	235713	1.60	1.37	
65 cis-1,3-Dichloropropene	75	12.758	12.758	0.000	97	179429	1.60	1.40	
66 trans-1,3-Dichloropropene	75	13.461	13.461	0.000	97	139476	1.60	1.34	
67 Toluene	91	13.580	13.580	0.000	92	321877	1.60	1.27	
68 1,1,2-Trichloroethane	83	13.658	13.658	0.000	94	127780	1.60	1.39	
69 2-Hexanone	58	14.045	14.045	0.000	91	100042	1.60	1.25	
70 n-Octane	85	14.278	14.278	0.000	94	88021	1.60	1.30	
71 Chlorodibromomethane	129	14.366	14.366	0.000	95	266989	1.60	1.65	
72 Ethylene Dibromide	107	14.655	14.655	0.000	96	211441	1.60	1.40	
73 Tetrachloroethene	129	14.733	14.733	0.000	87	128822	1.60	1.38	
74 Chlorobenzene	112	15.611	15.611	0.000	91	273991	1.60	1.35	
75 2,3-Dimethylheptane	43	15.632	15.632	0.000	94	346653	1.60	1.51	
76 Ethylbenzene	91	15.906	15.906	0.000	100	426651	1.60	1.35	
77 m-Xylene & p-Xylene	91	16.066	16.066	0.000	99	741382	3.20	3.08	
78 n-Nonane	57	16.490	16.490	0.000	92	217195	1.60	1.40	
79 Bromoform	173	16.516	16.516	0.000	90	300717	1.60	1.81	
80 Styrene	104	16.531	16.531	0.000	98	256694	1.60	1.42	
81 o-Xylene	91	16.593	16.593	0.000	97	391652	1.60	1.57	
82 1,1,2,2-Tetrachloroethane	83	16.919	16.919	0.000	98	343301	1.60	1.44	
83 1,2,3-Trichloropropane	110	17.079	17.079	0.000	97	81047	1.60	1.54	

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	17.182	17.182	0.000	98	487618	1.60	1.45	
85 N-Propylbenzene	120	17.746	17.746	0.000	98	116889	1.60	1.35	
86 2-Chlorotoluene	126	17.792	17.792	0.000	97	128064	1.60	1.52	
87 4-Ethyltoluene	105	17.906	17.906	0.000	98	490804	1.60	1.48	
88 1,3,5-Trimethylbenzene	120	17.984	17.984	0.000	91	196876	1.60	1.42	
89 Alpha Methyl Styrene	118	18.232	18.232	0.000	84	181743	1.60	1.37	
90 n-Decane	57	18.289	18.289	0.000	90	338210	1.60	1.56	
91 tert-Butylbenzene	119	18.433	18.433	0.000	87	462343	1.60	1.56	
92 1,2,4-Trimethylbenzene	105	18.449	18.449	0.000	96	485938	1.60	1.65	
93 sec-Butylbenzene	105	18.718	18.718	0.000	98	671480	1.60	1.58	
94 1,3-Dichlorobenzene	146	18.728	18.728	0.000	97	316756	1.60	1.62	
95 Benzyl chloride	91	18.811	18.811	0.000	96	393822	1.60	1.58	
96 1,4-Dichlorobenzene	146	18.821	18.821	0.000	93	300702	1.60	1.62	
97 4-Isopropyltoluene	119	18.888	18.888	0.000	96	534698	1.60	1.64	
98 1,2,3-Trimethylbenzene	105	18.940	18.940	0.000	99	484741	1.60	1.65	
99 Butylcyclohexane	83	18.997	18.997	0.000	91	393831	1.60	1.56	
101 2,3-Dihydroindene	117	19.198	19.198	0.000	92	444258	1.60	1.60	
100 1,2-Dichlorobenzene	146	19.198	19.198	0.000	83	326448	1.60	1.66	
102 Indene	116	19.333	19.333	0.000	94	382437	1.60	1.55	
103 n-Butylbenzene	91	19.343	19.343	0.000	96	672862	1.60	1.61	
104 Undecane	57	19.668	19.668	0.000	95	389784	1.60	1.59	
105 1,2-Dibromo-3-Chloropropane	157	19.829	19.829	0.000	94	176817	1.60	1.63	
106 1,2,4,5-Tetramethylbenzene	119	20.123	20.123	0.000	95	500381	1.60	1.41	
107 Dodecane	57	20.759	20.759	0.000	94	375069	1.60	1.55	
108 1,2,4-Trichlorobenzene	180	20.961	20.961	0.000	92	222974	1.60	1.82	
109 Naphthalene	128	21.110	21.110	0.000	99	504325	1.60	1.80	
110 Hexachlorobutadiene	225	21.333	21.333	0.000	90	299667	1.60	1.77	
111 1,2,3-Trichlorobenzene	180	21.405	21.405	0.000	94	238401	1.60	1.73	
112 2-Methylnaphthalene	142	22.061	22.061	0.000	97	147708	1.60	1.54	
113 1-Methylnaphthalene	142	22.185	22.185	0.000	95	258791	1.60	2.17	
A 115 C8 Range	1	14.278	(14.237-14.319)		0	1019579	1.60	1.41	
S 116 Xylenes, Total	100				0		4.80	4.65	
S 117 1,2-Dichloroethene, Total	1				0		3.20	2.57	

Reagents:

40CV101P_00116	Amount Added: 80.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

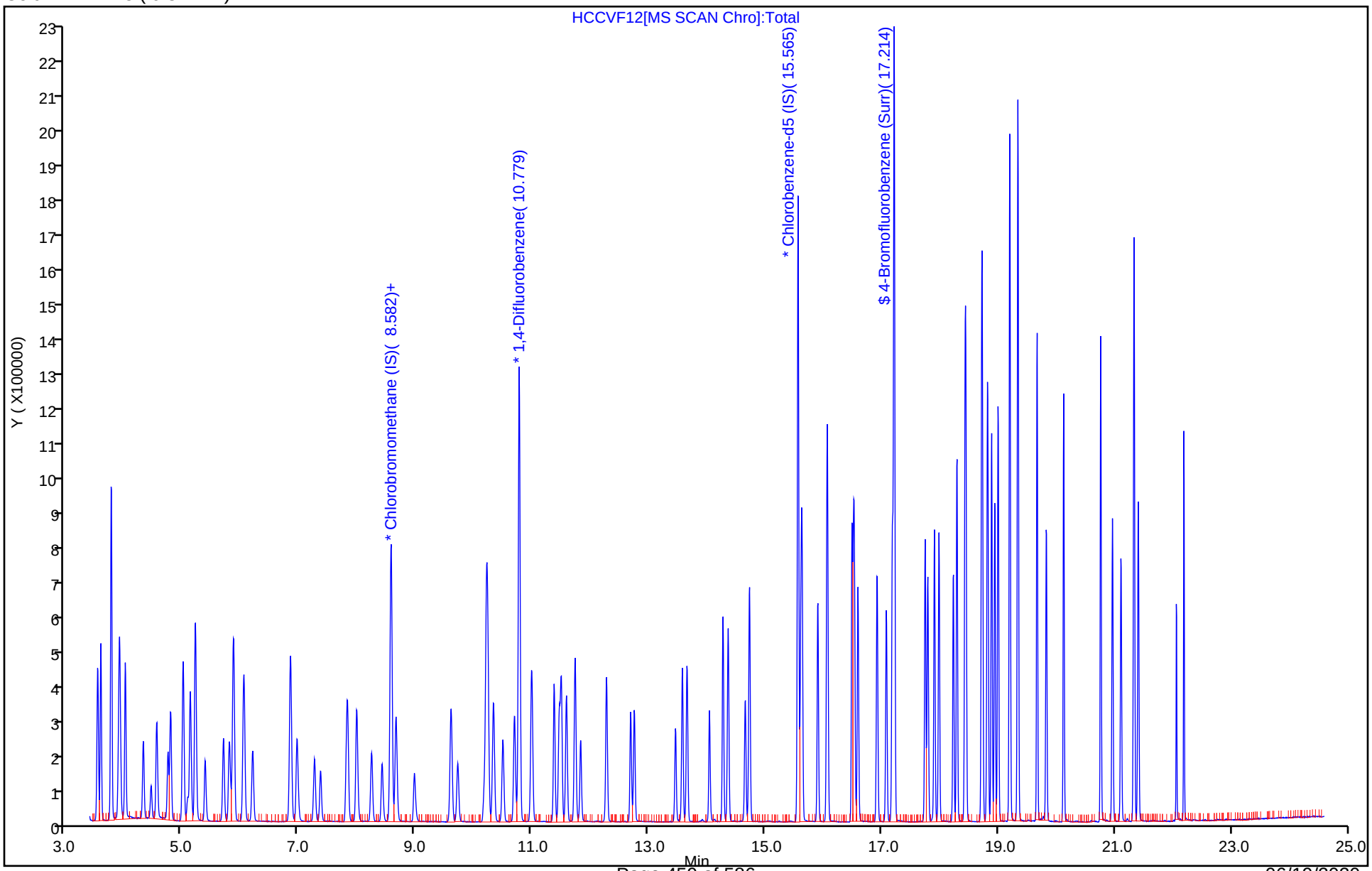
Report Date: 15-Jun-2020 10:46:55 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HCCVF12.D

Injection Date:	12-Jun-2020 08:09:30	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#:	1
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.: 140-19327-1

SDG No.:

Lab Sample ID: CCVIS 140-40282/2 Calibration Date: 06/15/2020 08:55

Instrument ID: MH Calib Start Date: 04/16/2020 08:03

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 04/16/2020 18:34

Lab File ID: HCCVF15.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	4.220	5.509		2.09	1.60	30.6*	30.0
Propene	Lin2		2.641		2.10	1.60	31.2*	30.0
Freon 12	Ave	6.490	8.896		2.19	1.60	37.1*	30.0
Chloromethane	Ave	0.7074	0.9518		2.15	1.60	34.5*	30.0
Freon-114	Ave	4.327	5.463		2.02	1.60	26.2	30.0
Acetaldehyde	Ave	0.7881	1.067		10.8	8.00	35.4*	30.0
Vinyl chloride	Ave	2.321	2.667		1.84	1.60	14.9	30.0
1,3-Butadiene	Ave	1.577	1.964		1.99	1.60	24.5	30.0
Butane	Ave	2.750	3.691		2.15	1.60	34.2*	30.0
Bromomethane	Ave	2.450	3.010		1.97	1.60	22.9	30.0
Chloroethane	Ave	0.9878	1.247		2.02	1.60	26.3	30.0
Ethanol	Ave	0.7132	0.9888		11.1	8.00	38.6*	30.0
Vinyl bromide	Ave	2.206	2.725		1.98	1.60	23.5	30.0
2-Methylbutane	Ave	2.018	2.705		2.14	1.60	34.0*	30.0
Freon 11	Ave	5.819	7.641		2.10	1.60	31.3*	30.0
Acrolein	Ave	0.6803	0.7020		1.65	1.60	3.2	30.0
Acetonitrile	Ave	0.7833	1.074		2.19	1.60	37.1*	30.0
Acetone	Ave	0.9000	1.037		5.53	4.80	15.3	30.0
2-Propanol	QuaF		2.951		5.32	4.80	10.8	30.0
Pentane	Ave	0.2516	0.2884		1.83	1.60	14.6	30.0
Ethyl ether	Ave	1.742	2.029		1.86	1.60	16.5	30.0
1,1-Dichloroethene	Ave	1.949	1.877		1.54	1.60	-3.7	30.0
tert-Butyl alcohol	Ave	3.234	3.507		1.74	1.60	8.4	30.0
Acrylonitrile	Ave	1.476	1.760		1.91	1.60	19.2	30.0
Freon 113	Ave	4.513	5.328		1.89	1.60	18.1	30.0
Methylene Chloride	Lin2		2.852		1.99	1.60	24.5	30.0
3-Chloropropene	Ave	1.646	1.909		1.86	1.60	16.0	30.0
Carbon disulfide	Ave	5.838	6.536		1.79	1.60	12.0	30.0
trans-1,2-Dichloroethene	Ave	1.923	1.986		1.65	1.60	3.2	30.0
2-Methylpentane	Ave	3.805	4.417		1.86	1.60	16.1	30.0
Methyl tert-butyl ether	Ave	4.496	4.863		1.73	1.60	8.2	30.0
1,1-Dichloroethane	Ave	3.831	4.179		1.75	1.60	9.1	30.0
Vinyl acetate	Ave	4.773	5.422		1.82	1.60	13.6	30.0
2-Butanone	Ave	0.8517	0.8212		1.54	1.60	-3.6	30.0
Hexane	Ave	1.439	1.683		1.87	1.60	17.0	30.0
Isopropyl ether	Ave	6.178	7.021		1.82	1.60	13.6	30.0
cis-1,2-Dichloroethene	Ave	2.008	1.969		1.57	1.60	-2.0	30.0
Ethyl acetate	Ave	4.315	4.870		1.81	1.60	12.9	30.0
Chloroform	Ave	4.723	5.677		1.92	1.60	20.2	30.0
Tert-butyl ethyl ether	Ave	5.380	5.966		1.77	1.60	10.9	30.0
Tetrahydrofuran	Ave	1.963	2.077		1.69	1.60	5.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab Sample ID: CCVIS 140-40282/2 Calibration Date: 06/15/2020 08:55

Instrument ID: MH Calib Start Date: 04/16/2020 08:03

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 04/16/2020 18:34

Lab File ID: HCCVF15.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
1,1,1-Trichloroethane	Ave	4.396	5.408		1.97	1.60	23.0	30.0
1,2-Dichloroethane	Ave	0.4234	0.4839		1.83	1.60	14.3	30.0
1-Butanol	Ave	0.0900	0.0710		1.26	1.60	-21.1	30.0
Benzene	Ave	0.8700	0.8395		1.54	1.60	-3.5	30.0
Cyclohexane	Ave	0.1152	0.1083		1.50	1.60	-6.0	30.0
Carbon tetrachloride	Ave	0.6283	0.7891		2.01	1.60	25.6	30.0
2,3-Dimethylpentane	Ave	0.1652	0.1475		1.43	1.60	-10.7	30.0
Thiophene	Ave	0.4876	0.4466		1.47	1.60	-8.4	30.0
2,2,4-Trimethylpentane	Ave	1.322	1.286		1.56	1.60	-2.7	30.0
Heptane	Ave	0.2446	0.2131		1.39	1.60	-12.9	30.0
1,2-Dichloropropane	Ave	0.3566	0.3481		1.56	1.60	-2.4	30.0
Trichloroethene	Ave	0.3557	0.3289		1.48	1.60	-7.5	30.0
Dibromomethane	Ave	0.4357	0.4496		1.65	1.60	3.2	30.0
Bromodichloromethane	Ave	0.6822	0.7746		1.82	1.60	13.5	30.0
1,4-Dioxane	Ave	0.1267	0.0985		1.24	1.60	-22.3	30.0
Methyl methacrylate	Ave	0.3209	0.3589		1.79	1.60	11.9	30.0
Methylcyclohexane	Lin1		0.3983		1.29	1.60	-19.1	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6196	0.6815		1.76	1.60	10.0	30.0
cis-1,3-Dichloropropene	Ave	0.4613	0.4972		1.72	1.60	7.8	30.0
trans-1,3-Dichloropropene	Ave	0.4771	0.4953		1.66	1.60	3.8	30.0
Toluene	Lin2		1.124		1.54	1.60	-3.5	30.0
1,1,2-Trichloroethane	Ave	0.4196	0.4491		1.71	1.60	7.0	30.0
2-Hexanone	Ave	0.3665	0.3572		1.56	1.60	-2.5	30.0
Octane	Ave	0.3108	0.3065		1.58	1.60	-1.4	30.0
Dibromochloromethane	Ave	0.7412	0.9222		1.99	1.60	24.4	30.0
1,2-Dibromoethane	Ave	0.6932	0.7382		1.70	1.60	6.5	30.0
Tetrachloroethene	Ave	0.4285	0.4437		1.66	1.60	3.5	30.0
Chlorobenzene	Ave	0.9309	0.9490		1.63	1.60	1.9	30.0
2,3-Dimethylheptane	Ave	1.051	1.248		1.90	1.60	18.7	30.0
Ethylbenzene	Ave	1.444	1.510		1.67	1.60	4.6	30.0
m-Xylene & p-Xylene	Ave	1.101	1.298		3.77	3.20	17.8	30.0
Nonane	Ave	0.7090	0.7785		1.76	1.60	9.8	30.0
Bromoform	Ave	0.7614	1.013		2.13	1.60	33.1*	30.0
Styrene	Lin2		0.8672		1.67	1.60	4.2	30.0
o-Xylene	Ave	1.141	1.354		1.90	1.60	18.7	30.0
1,1,2,2-Tetrachloroethane	Ave	1.094	1.190		1.74	1.60	8.7	30.0
1,2,3-Trichloropropane	Ave	0.2413	0.2688		1.78	1.60	11.4	30.0
Cumene	Ave	1.541	1.671		1.73	1.60	8.4	30.0
Propylbenzene	Ave	0.3970	0.3965		1.60	1.60	-0.1	30.0
2-Chlorotoluene	Ave	0.3853	0.4306		1.79	1.60	11.8	30.0
4-Ethyltoluene	Ave	1.519	1.718		1.81	1.60	13.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab Sample ID: CCVIS 140-40282/2 Calibration Date: 06/15/2020 08:55

Instrument ID: MH Calib Start Date: 04/16/2020 08:03

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 04/16/2020 18:34

Lab File ID: HCCVF15.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
1,3,5-Trimethylbenzene	Lin2		0.6627		1.67	1.60	4.5	30.0
Alpha Methyl Styrene	Ave	0.6067	0.6353		1.68	1.60	4.7	30.0
Decane	Ave	0.9946	1.187		1.91	1.60	19.3	30.0
tert-Butylbenzene	Ave	1.356	1.575		1.86	1.60	16.2	30.0
1,2,4-Trimethylbenzene	Ave	1.351	1.663		1.97	1.60	23.1	30.0
sec-Butylbenzene	Ave	1.945	2.337		1.92	1.60	20.2	30.0
1,3-Dichlorobenzene	Ave	0.8923	1.076		1.93	1.60	20.5	30.0
alpha-Chlorotoluene	Ave	1.141	1.378		1.93	1.60	20.8	30.0
1,4-Dichlorobenzene	Ave	0.8484	1.024		1.93	1.60	20.7	30.0
4-Isopropyltoluene	Ave	1.493	1.826		1.96	1.60	22.2	30.0
1,2,3-Trimethylbenzene	Ave	1.345	1.672		1.99	1.60	24.3	30.0
Butylcyclohexane	Ave	1.153	1.374		1.91	1.60	19.2	30.0
1,2-Dichlorobenzene	Ave	0.8999	1.112		1.98	1.60	23.6	30.0
Indane	Ave	1.268	1.544		1.95	1.60	21.8	30.0
Indene	Ave	1.132	1.331		1.88	1.60	17.6	30.0
Butylbenzene	Lin2		2.335		1.95	1.60	21.9	30.0
Undecane	Ave	1.121	1.392		1.99	1.60	24.2	30.0
1,2-Dibromo-3-Chloropropane	Lin1		0.6028		1.94	1.60	21.0	30.0
1,2,4,5-Tetramethylbenzene	Lin1		1.696		1.66	1.60	3.8	30.0
Dodecane	Ave	1.106	1.331		1.93	1.60	20.3	30.0
1,2,4-Trichlorobenzene	Ave	0.5604	0.7563		2.16	1.60	35.0*	30.0
Naphthalene	Ave	1.278	1.727		2.16	1.60	35.1*	30.0
Hexachlorobutadiene	Ave	0.7746	1.012		2.09	1.60	30.6*	30.0
1,2,3-Trichlorobenzene	Ave	0.6293	0.8027		2.04	1.60	27.6	30.0
2-Methylnaphthalene	Ave	0.4394	0.5220		1.90	1.60	18.8	50.0
1-Methylnaphthalene	Ave	0.5456	0.9053		2.66	1.60	65.9*	50.0
4-Bromofluorobenzene (Surr)	Ave	0.6711	0.7778		4.64	4.00	15.9	30.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HCCVF15.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 15-Jun-2020 08:55:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015720-006
Misc. Info.: P116 80ML
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 16-Jun-2020 11:23:39 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: khachitpongpanits Date: 16-Jun-2020 11:23:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.572	8.572	0.000	93	129005	4.00	4.00	s
* 2 1,4-Difluorobenzene	114	10.779	10.779	0.000	96	974841	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.565	15.565	0.000	91	764384	4.00	4.00	s
$ 4 4-Bromofluorobenzene (Surr)	95	17.234	17.234	0.000	87	594535	4.00	4.64	
6 Chlorodifluoromethane	51	3.538	3.538	0.000	97	284283	1.60	2.09	
7 Propene	41	3.548	3.548	0.000	98	136297	1.60	2.10	
8 Dichlorodifluoromethane	85	3.600	3.600	0.000	100	459033	1.60	2.19	
9 Chloromethane	52	3.770	3.770	0.000	59	49112	1.60	2.15	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.776	3.776	0.000	95	281891	1.60	2.02	
11 Acetaldehyde	44	3.920	3.920	0.000	99	275335	8.00	10.8	
12 Vinyl chloride	62	3.936	3.936	0.000	99	137615	1.60	1.84	
13 Butane	43	4.019	4.019	0.000	81	190469	1.60	2.15	
14 Butadiene	54	4.019	4.019	0.000	72	101353	1.60	1.99	
15 Bromomethane	94	4.329	4.329	0.000	97	155344	1.60	1.97	
16 Chloroethane	64	4.463	4.463	0.000	96	64368	1.60	2.02	
17 Ethanol	31	4.556	4.556	0.000	93	255126	8.00	11.1	
18 Vinyl bromide	106	4.752	4.752	0.000	96	140602	1.60	1.98	
19 2-Methylbutane	43	4.794	4.794	0.000	89	139570	1.60	2.14	
20 Trichlorofluoromethane	101	5.011	5.011	0.000	99	394281	1.60	2.10	
21 Acrolein	56	5.021	5.021	0.000	93	36224	1.60	1.65	
22 Acetonitrile	40	5.088	5.088	0.000	100	55410	1.60	2.19	
23 Acetone	58	5.130	5.130	0.000	99	160575	4.80	5.53	
25 Isopropyl alcohol	45	5.212	5.212	0.000	93	456860	4.80	5.32	
24 Pentane	72	5.228	5.228	0.000	97	14880	1.60	1.83	
26 Ethyl ether	31	5.388	5.388	0.000	93	104687	1.60	1.86	
27 1,1-Dichloroethene	96	5.703	5.703	0.000	93	96854	1.60	1.54	
29 2-Methyl-2-propanol	59	5.796	5.796	0.000	97	180951	1.60	1.74	
28 Acrylonitrile	53	5.812	5.812	0.000	94	90831	1.60	1.91	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.869	5.869	0.000	90	274941	1.60	1.89	
31 Methylene Chloride	84	6.050	6.050	0.000	95	147148	1.60	1.99	

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	6.060	6.060	0.000	96	98527	1.60	1.86	
33 Carbon disulfide	76	6.205	6.205	0.000	99	337268	1.60	1.79	
34 trans-1,2-Dichloroethene	96	6.846	6.846	0.000	95	102472	1.60	1.65	
35 2-Methylpentane	43	6.856	6.856	0.000	95	227917	1.60	1.86	
36 Methyl tert-butyl ether	73	6.965	6.965	0.000	96	250936	1.60	1.73	
37 1,1-Dichloroethane	63	7.264	7.264	0.000	99	215662	1.60	1.75	
38 Vinyl acetate	43	7.368	7.368	0.000	99	279810	1.60	1.82	
39 2-Butanone (MEK)	72	7.812	7.812	0.000	95	42374	1.60	1.54	
40 Hexane	56	7.828	7.828	0.000	90	86867	1.60	1.87	
41 Isopropyl ether	45	7.988	7.988	0.000	96	362291	1.60	1.82	
42 cis-1,2-Dichloroethene	96	8.241	8.241	0.000	98	101591	1.60	1.57	
43 Ethyl acetate	43	8.427	8.427	0.000	98	251296	1.60	1.81	
44 Chloroform	83	8.587	8.587	0.000	98	292921	1.60	1.92	
45 Tert-butyl ethyl ether	59	8.665	8.665	0.000	98	307853	1.60	1.77	
46 Tetrahydrofuran	42	8.975	8.975	0.000	92	107185	1.60	1.69	
47 1,1,1-Trichloroethane	97	9.606	9.606	0.000	96	279045	1.60	1.97	
48 1,2-Dichloroethane	62	9.724	9.724	0.000	97	188686	1.60	1.83	
49 n-Butanol	31	10.179	10.179	0.000	86	27683	1.60	1.26	
50 Cyclohexane	69	10.215	10.215	0.000	76	42231	1.60	1.50	
51 Benzene	78	10.215	10.215	0.000	98	327369	1.60	1.54	
52 Carbon tetrachloride	117	10.241	10.241	0.000	94	307680	1.60	2.01	
53 2,3-Dimethylpentane	71	10.339	10.339	0.000	89	57523	1.60	1.43	
54 Thiophene	84	10.495	10.495	0.000	96	174152	1.60	1.47	
55 Isooctane	57	10.991	10.991	0.000	97	501572	1.60	1.56	
56 n-Heptane	71	11.378	11.378	0.000	91	83089	1.60	1.39	
57 1,2-Dichloropropane	63	11.461	11.461	0.000	87	135739	1.60	1.56	
58 Trichloroethene	130	11.497	11.497	0.000	90	128241	1.60	1.48	
59 Dibromomethane	93	11.585	11.585	0.000	86	175326	1.60	1.65	
60 Dichlorobromomethane	83	11.735	11.735	0.000	97	302036	1.60	1.82	
61 1,4-Dioxane	88	11.750	11.750	0.000	94	38395	1.60	1.24	
62 Methyl methacrylate	41	11.833	11.833	0.000	90	139945	1.60	1.79	
63 Methylcyclohexane	83	12.278	12.278	0.000	91	155291	1.60	1.29	
64 4-Methyl-2-pentanone (MIBK)	43	12.691	12.691	0.000	97	265757	1.60	1.76	
65 cis-1,3-Dichloropropene	75	12.753	12.753	0.000	98	193887	1.60	1.72	
66 trans-1,3-Dichloropropene	75	13.461	13.461	0.000	97	151434	1.60	1.66	
67 Toluene	91	13.580	13.580	0.000	93	343595	1.60	1.54	
68 1,1,2-Trichloroethane	83	13.658	13.658	0.000	93	137305	1.60	1.71	
69 2-Hexanone	58	14.045	14.045	0.000	90	109226	1.60	1.56	
70 n-Octane	85	14.278	14.278	0.000	94	93697	1.60	1.58	
71 Chlorodibromomethane	129	14.366	14.366	0.000	95	281953	1.60	1.99	
72 Ethylene Dibromide	107	14.660	14.660	0.000	95	225706	1.60	1.70	
73 Tetrachloroethene	129	14.733	14.733	0.000	87	135654	1.60	1.66	
74 Chlorobenzene	112	15.611	15.611	0.000	91	290162	1.60	1.63	
75 2,3-Dimethylheptane	43	15.632	15.632	0.000	93	381695	1.60	1.90	
76 Ethylbenzene	91	15.906	15.906	0.000	99	461769	1.60	1.67	
77 m-Xylene & p-Xylene	91	16.066	16.066	0.000	99	793542	3.20	3.77	
78 n-Nonane	57	16.490	16.490	0.000	92	238039	1.60	1.76	
79 Bromoform	173	16.516	16.516	0.000	89	309795	1.60	2.13	
80 Styrene	104	16.531	16.531	0.000	97	265135	1.60	1.67	
81 o-Xylene	91	16.593	16.593	0.000	98	413977	1.60	1.90	
82 1,1,2,2-Tetrachloroethane	83	16.934	16.934	0.000	98	363822	1.60	1.74	
83 1,2,3-Trichloropropane	110	17.100	17.100	0.000	97	82172	1.60	1.78	

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	17.203	17.203	0.000	98	510816	1.60	1.73	
85 N-Propylbenzene	120	17.777	17.777	0.000	98	121220	1.60	1.60	
86 2-Chlorotoluene	126	17.823	17.823	0.000	97	131670	1.60	1.79	
87 4-Ethyltoluene	105	17.932	17.932	0.000	98	525231	1.60	1.81	
88 1,3,5-Trimethylbenzene	120	18.015	18.015	0.000	90	202626	1.60	1.67	
89 Alpha Methyl Styrene	118	18.257	18.257	0.000	84	194244	1.60	1.68	
90 n-Decane	57	18.319	18.319	0.000	90	362896	1.60	1.91	
91 tert-Butylbenzene	119	18.459	18.459	0.000	87	481707	1.60	1.86	
92 1,2,4-Trimethylbenzene	105	18.469	18.469	0.000	96	508523	1.60	1.97	
93 sec-Butylbenzene	105	18.738	18.738	0.000	97	714543	1.60	1.92	
94 1,3-Dichlorobenzene	146	18.754	18.754	0.000	96	328876	1.60	1.93	
95 Benzyl chloride	91	18.831	18.831	0.000	96	421426	1.60	1.93	
96 1,4-Dichlorobenzene	146	18.847	18.847	0.000	94	313125	1.60	1.93	
97 4-Isopropyltoluene	119	18.909	18.909	0.000	96	558205	1.60	1.96	
98 1,2,3-Trimethylbenzene	105	18.960	18.960	0.000	99	511155	1.60	1.99	
99 Butylcyclohexane	83	19.017	19.017	0.000	92	420199	1.60	1.91	
101 2,3-Dihydroindene	117	19.219	19.219	0.000	92	472144	1.60	1.95	
100 1,2-Dichlorobenzene	146	19.219	19.219	0.000	81	340026	1.60	1.98	
102 Indene	116	19.353	19.353	0.000	94	406887	1.60	1.88	
103 n-Butylbenzene	91	19.358	19.358	0.000	96	713868	1.60	1.95	
104 Undecane	57	19.679	19.679	0.000	95	425618	1.60	1.99	
105 1,2-Dibromo-3-Chloropropane	157	19.839	19.839	0.000	90	184318	1.60	1.94	
106 1,2,4,5-Tetramethylbenzene	119	20.134	20.134	0.000	95	518447	1.60	1.66	
107 Dodecane	57	20.769	20.769	0.000	94	406827	1.60	1.93	
108 1,2,4-Trichlorobenzene	180	20.971	20.971	0.000	93	231234	1.60	2.16	
109 Naphthalene	128	21.116	21.116	0.000	98	528148	1.60	2.16	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	90	309271	1.60	2.09	
111 1,2,3-Trichlorobenzene	180	21.410	21.410	0.000	93	245412	1.60	2.04	
112 2-Methylnaphthalene	142	22.061	22.061	0.000	94	159611	1.60	1.90	
113 1-Methylnaphthalene	142	22.191	22.191	0.000	95	276818	1.60	2.66	
A 115 C8 Range	1	14.270	(14.236-14.319)		0	1115397	1.60	1.76	
S 116 Xylenes, Total	100				0		4.80	5.67	
S 117 1,2-Dichloroethene, Total	1				0		3.20	3.22	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

40CV101P_00116	Amount Added: 80.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

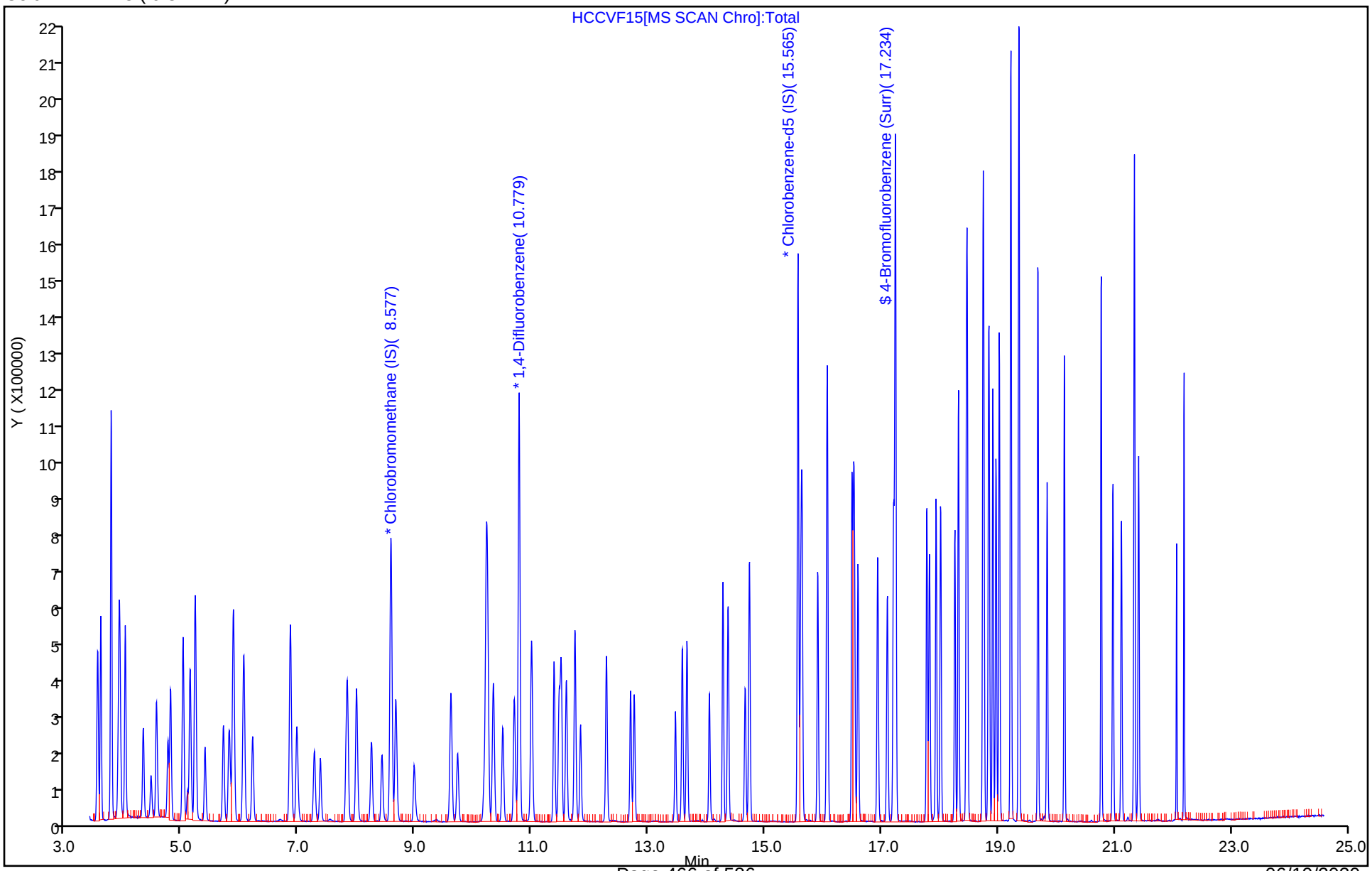
Report Date: 16-Jun-2020 11:23:39 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HCCVF15.D

Injection Date:	15-Jun-2020 08:55:30	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#:	1
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.: 140-19327-1

SDG No.:

Lab Sample ID: ICV 140-39590/18 Calibration Date: 05/13/2020 21:19

Instrument ID: MR Calib Start Date: 05/13/2020 10:05

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 05/14/2020 00:39

Lab File ID: RE13ICV.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	2.025	1.957		0.967	1.00	-3.3	35.0
Propene	Lin1		1.942			1.00	-15.6	35.0
Freon 12	Ave	2.162	2.543		1.18	1.00	17.6	35.0
Chloromethane	Ave	0.4082	0.4176		1.02	1.00	2.3	35.0
Freon-114	Ave	2.144	2.859		1.33	1.00	33.4	35.0
Acetaldehyde	Ave	0.6896	0.5600		4.06	5.00	-18.8	35.0
Vinyl chloride	Ave	1.747	1.640		0.939	1.00	-6.1	35.0
1,3-Butadiene	Ave	1.192	1.204		1.01	1.00	1.0	35.0
Butane	Ave	2.611	2.552		0.978	1.00	-2.2	35.0
Bromomethane	Ave	2.045	1.830		0.895	1.00	-10.5	35.0
Chloroethane	Ave	0.9186	0.8629		0.939	1.00	-6.1	35.0
Ethanol	Ave	1.094	0.8363		3.82	5.00	-23.6	35.0
Vinyl bromide	Ave	2.206	2.369		1.07	1.00	7.4	35.0
2-Methylbutane	Ave	2.055	2.085		1.01	1.00	1.4	35.0
Freon 11	Ave	5.125	5.114		0.998	1.00	-0.2	35.0
Acrolein	Ave	0.3799	0.4664		1.23	1.00	22.8	35.0
Acetonitrile	Ave	0.5741	0.6301		1.10	1.00	9.7	35.0
Acetone	Ave	0.7144	0.6704			1.00	-6.2	35.0
Pentane	Ave	0.2753	0.2363		0.858	1.00	-14.2	35.0
2-Propanol	Ave	1.924	2.181		1.13	1.00	13.4	35.0
Ethyl ether	Ave	2.001	1.971		0.985	1.00	-1.5	35.0
1,1-Dichloroethene	Ave	1.623	1.477		0.910	1.00	-9.0	35.0
Acrylonitrile	Ave	0.6935	0.6659		0.960	1.00	-4.0	35.0
tert-Butyl alcohol	Ave	2.456	2.459		1.00	1.00	0.1	35.0
Freon 113	Ave	3.534	3.355		0.949	1.00	-5.1	35.0
Methylene Chloride	Lin2		2.066		0.968	1.00	-3.2	35.0
3-Chloropropene	Ave	1.534	1.321		0.862	1.00	-13.8	35.0
Carbon disulfide	Ave	4.128	3.979		0.964	1.00	-3.6	35.0
trans-1,2-Dichloroethene	Ave	1.541	1.465		0.950	1.00	-5.0	35.0
2-Methylpentane	Ave	3.064	2.635		0.860	1.00	-14.0	35.0
Methyl tert-butyl ether	Ave	3.751	3.630		0.968	1.00	-3.2	35.0
1,1-Dichloroethane	Ave	2.441	2.356		0.965	1.00	-3.5	35.0
Vinyl acetate	Ave	3.537	3.264		0.923	1.00	-7.7	35.0
2-Butanone	Ave	0.7001	0.6114		0.873	1.00	-12.7	35.0
Hexane	Ave	0.8861	0.8482		0.957	1.00	-4.3	35.0
Isopropyl ether	Ave	4.407	4.257		0.966	1.00	-3.4	35.0
cis-1,2-Dichloroethene	Ave	1.526	1.542		1.01	1.00	1.0	35.0
Ethyl acetate	Ave	3.133	3.124		0.997	1.00	-0.3	35.0
Chloroform	Ave	3.115	3.034		0.974	1.00	-2.6	35.0
Tert-butyl ethyl ether	Ave	3.781	3.334		0.882	1.00	-11.8	35.0
Tetrahydrofuran	Ave	1.438	1.560		1.08	1.00	8.5	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab Sample ID: ICV 140-39590/18 Calibration Date: 05/13/2020 21:19

Instrument ID: MR Calib Start Date: 05/13/2020 10:05

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 05/14/2020 00:39

Lab File ID: RE13ICV.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
1,1,1-Trichloroethane	Ave	3.441	3.133		0.910	1.00	-9.0	35.0
1,2-Dichloroethane	Ave	0.2575	0.2475		0.961	1.00	-3.9	35.0
1-Butanol	Ave	0.1384	0.1405		1.02	1.00	1.5	35.0
Benzene	Ave	0.6406	0.6147		0.960	1.00	-4.0	35.0
Cyclohexane	Ave	0.0934	0.0884		0.946	1.00	-5.4	35.0
Carbon tetrachloride	Ave	0.5384	0.5149		0.956	1.00	-4.4	35.0
2,3-Dimethylpentane	Ave	0.1407	0.1334		0.948	1.00	-5.2	35.0
Thiophene	Ave	0.3329	0.2995		0.900	1.00	-10.0	35.0
2,2,4-Trimethylpentane	Ave	0.7851	0.8155		1.04	1.00	3.9	35.0
Heptane	Ave	0.2029	0.2081		1.03	1.00	2.5	35.0
1,2-Dichloropropane	Ave	0.2248	0.2213		0.984	1.00	-1.6	35.0
Trichloroethene	Ave	0.3353	0.3269		0.975	1.00	-2.5	35.0
Dibromomethane	Ave	0.3018	0.2712		0.898	1.00	-10.2	35.0
Bromodichloromethane	Ave	0.4940	0.4645		0.940	1.00	-6.0	35.0
1,4-Dioxane	Ave	0.1017	0.1017		1.00	1.00	0.0	35.0
Methyl methacrylate	Ave	0.2718	0.2582		0.950	1.00	-5.0	35.0
Methylcyclohexane	Ave	0.3517	0.4244		1.21	1.00	20.7	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5160	0.5330		1.03	1.00	3.3	35.0
cis-1,3-Dichloropropene	Ave	0.3474	0.3597		1.04	1.00	3.5	35.0
trans-1,3-Dichloropropene	Ave	0.3659	0.3574		0.977	1.00	-2.3	35.0
Toluene	Ave	0.8963	0.8819		0.984	1.00	-1.6	35.0
1,1,2-Trichloroethane	Ave	0.2826	0.2760		0.977	1.00	-2.3	35.0
2-Hexanone	Ave	0.2595	0.2441		0.941	1.00	-5.9	35.0
Octane	Ave	0.2668	0.2566		0.962	1.00	-3.8	35.0
Dibromochloromethane	Ave	0.6714	0.6507		0.969	1.00	-3.1	35.0
1,2-Dibromoethane	Ave	0.5284	0.4753		0.899	1.00	-10.1	35.0
Tetrachloroethene	Ave	0.3684	0.3453		0.937	1.00	-6.3	35.0
Chlorobenzene	Ave	0.7721	0.7691		0.996	1.00	-0.4	35.0
2,3-Dimethylheptane	Ave	0.8384	0.7227		0.862	1.00	-13.8	35.0
Ethylbenzene	Ave	1.187	1.232		1.04	1.00	3.8	35.0
m-Xylene & p-Xylene	Ave	0.9452	0.9075		1.92	2.00	-4.0	35.0
Nonane	Ave	0.4304	0.3904		0.907	1.00	-9.3	35.0
Bromoform	Ave	0.5352	0.5681		1.06	1.00	6.2	35.0
Styrene	Ave	0.6737	0.6631		0.984	1.00	-1.6	35.0
o-Xylene	Ave	0.9741	0.8987		0.923	1.00	-7.7	35.0
1,1,2,2-Tetrachloroethane	Ave	0.7686	0.7053		0.918	1.00	-8.2	35.0
1,2,3-Trichloropropane	Ave	0.2250	0.2181		0.969	1.00	-3.1	35.0
Cumene	Ave	1.499	1.398		0.933	1.00	-6.7	35.0
Propylbenzene	Ave	0.4120	0.3910		0.949	1.00	-5.1	35.0
2-Chlorotoluene	Ave	0.4269	0.3668		0.859	1.00	-14.1	35.0
4-Ethyltoluene	Ave	1.499	1.288		0.859	1.00	-14.1	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab Sample ID: ICV 140-39590/18 Calibration Date: 05/13/2020 21:19

Instrument ID: MR Calib Start Date: 05/13/2020 10:05

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 05/14/2020 00:39

Lab File ID: RE13ICV.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
1,3,5-Trimethylbenzene	Ave	0.6319	0.6148		0.973	1.00	-2.7	35.0
Alpha Methyl Styrene	Ave	0.5676	0.4951		0.872	1.00	-12.8	35.0
Decane	Ave	0.5942	0.5544		0.933	1.00	-6.7	35.0
tert-Butylbenzene	Ave	1.374	1.210		0.881	1.00	-11.9	35.0
1,2,4-Trimethylbenzene	Ave	1.257	1.161		0.924	1.00	-7.6	35.0
sec-Butylbenzene	Ave	1.908	1.780		0.933	1.00	-6.7	35.0
1,3-Dichlorobenzene	Ave	0.9226	0.8265		0.896	1.00	-10.4	35.0
alpha-Chlorotoluene	Ave	0.8701	0.8866		1.02	1.00	1.9	35.0
1,4-Dichlorobenzene	Ave	0.8747	0.7982		0.912	1.00	-8.8	35.0
4-Isopropyltoluene	Ave	1.551	1.403		0.904	1.00	-9.6	35.0
1,2,3-Trimethylbenzene	Ave	1.260	0.8493		0.674	1.00	-32.6	35.0
Butylcyclohexane	Ave	0.9522	0.7855		0.825	1.00	-17.5	35.0
1,2-Dichlorobenzene	Ave	0.9338	0.8343		0.893	1.00	-10.7	35.0
Indane	Ave	1.263	1.110		0.878	1.00	-12.2	35.0
Indene	Ave	0.9733	0.8057		0.828	1.00	-17.2	35.0
Butylbenzene	Ave	1.554	1.486		0.957	1.00	-4.3	35.0
Undecane	Ave	0.7247	0.6578		0.908	1.00	-9.2	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.4198	0.3327		0.793	1.00	-20.7	35.0
1,2,4,5-Tetramethylbenzene	Ave	1.442	1.303		0.903	1.00	-9.7	35.0
Dodecane	Ave	0.6996	0.6125		0.876	1.00	-12.4	35.0
1,2,4-Trichlorobenzene	Ave	0.6090	0.5768		0.947	1.00	-5.3	35.0
Naphthalene	Ave	1.520	1.614		1.06	1.00	6.2	35.0
Hexachlorobutadiene	Ave	0.6359	0.5682		0.894	1.00	-10.6	35.0
1,2,3-Trichlorobenzene	Ave	0.6617	0.6292		0.951	1.00	-4.9	35.0
2-Methylnaphthalene	Lin		0.4511			1.00	-16.3	50.0
1-Methylnaphthalene	Ave	1.466	0.8115			1.00	-44.6	50.0
4-Bromofluorobenzene (Surr)	Ave	0.5395	0.5314		3.94	4.00	-1.5	35.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13ICV.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 13-May-2020 21:19:30 ALS Bottle#: 9 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015465-018
Misc. Info.: S116
Operator ID: HMT Instrument ID: MR
Sublist:

Method: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-May-2020 15:20:28 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: tajh Date: 14-May-2020 15:20:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.328	8.334	-0.006	84	224671	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.571	10.571	0.000	93	1510144	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.408	15.408	0.000	83	1284731	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.058	17.058	0.000	94	682737	4.00	3.94	
6 Chlorodifluoromethane	51	3.324	3.316	0.005	97	109932	1.00	0.9665	
7 Propene	41	3.329	3.327	0.000	95	109075	1.00	0.8436	7
8 Dichlorodifluoromethane	85	3.378	3.376	0.000	97	142855	1.00	1.18	
9 Chloromethane	52	3.550	3.548	-0.001	52	23454	1.00	1.02	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.556	3.554	0.000	88	160585	1.00	1.33	
11 Acetaldehyde	44	3.696	3.688	0.005	84	157276	5.00	4.06	
12 Vinyl chloride	62	3.707	3.704	0.000	98	92123	1.00	0.9387	
13 Butane	43	3.793	3.785	0.005	86	143344	1.00	0.9775	
14 Butadiene	54	3.788	3.785	0.000	68	67622	1.00	1.01	
15 Bromomethane	94	4.084	4.087	-0.006	95	102775	1.00	0.8946	
16 Chloroethane	64	4.219	4.216	0.000	84	48465	1.00	0.9393	
17 Ethanol	31	4.322	4.324	-0.005	97	234870	5.00	3.82	
18 Vinyl bromide	106	4.500	4.497	0.000	95	133045	1.00	1.07	
19 2-Methylbutane	43	4.543	4.551	-0.011	94	117098	1.00	1.01	
20 Trichlorofluoromethane	101	4.758	4.750	0.005	96	287225	1.00	1.00	
21 Acrolein	56	4.769	4.766	0.000	68	26196	1.00	1.23	
22 Acetonitrile	40	4.839	4.842	-0.006	97	35391	1.00	1.10	
23 Acetone	58	4.888	4.879	0.006	96	37656	1.00	0.9385	
24 Pentane	72	4.974	4.960	0.011	96	13271	1.00	0.8583	
25 Isopropyl alcohol	45	4.979	4.971	0.005	93	122499	1.00	1.13	
26 Ethyl ether	31	5.141	5.133	0.005	84	110694	1.00	0.9847	
27 1,1-Dichloroethene	96	5.438	5.440	-0.005	91	82963	1.00	0.9102	
29 2-Methyl-2-propanol	59	5.573	5.553	0.017	94	138115	1.00	1.00	
28 Acrylonitrile	53	5.551	5.558	-0.011	98	37403	1.00	0.9602	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.616	5.618	-0.005	94	188428	1.00	0.9492	
31 Methylene Chloride	84	5.783	5.785	-0.005	90	116055	1.00	0.9685	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.799	5.795	0.000	95	74216	1.00	0.8616	
33 Carbon disulfide	76	5.934	5.930	0.000	97	223474	1.00	0.9639	
34 trans-1,2-Dichloroethene	96	6.581	6.587	-0.011	83	82265	1.00	0.9504	
35 2-Methylpentane	43	6.603	6.604	-0.005	93	148014	1.00	0.8601	
36 Methyl tert-butyl ether	73	6.721	6.706	0.011	96	203873	1.00	0.9677	
37 1,1-Dichloroethane	63	7.012	7.008	0.000	99	132333	1.00	0.9653	
38 Vinyl acetate	43	7.131	7.116	0.011	99	183323	1.00	0.9227	
39 2-Butanone (MEK)	72	7.579	7.568	0.006	98	34340	1.00	0.8733	
40 Hexane	56	7.589	7.579	0.005	85	47640	1.00	0.9572	
41 Isopropyl ether	45	7.762	7.746	0.011	94	239124	1.00	0.9660	
42 cis-1,2-Dichloroethene	96	7.994	7.994	-0.005	86	86595	1.00	1.01	
43 Ethyl acetate	43	8.193	8.183	0.005	96	175491	1.00	1.00	
44 Chloroform	83	8.344	8.344	-0.006	93	170421	1.00	0.9741	
45 Tert-butyl ethyl ether	59	8.436	8.425	0.005	94	187288	1.00	0.8818	
46 Tetrahydrofuran	42	8.749	8.732	0.011	91	87603	1.00	1.08	
47 1,1,1-Trichloroethane	97	9.380	9.389	0.006	92	175984	1.00	0.9105	
48 1,2-Dichloroethane	62	9.487	9.487	-0.001	94	93453	1.00	0.9612	
49 n-Butanol	31	9.962	9.967	-0.005	89	53045	1.00	1.02	
50 Cyclohexane	69	9.989	9.978	0.011	73	33378	1.00	0.9463	
51 Benzene	78	9.989	9.989	0.000	94	232068	1.00	0.9595	
52 Carbon tetrachloride	117	10.011	10.005	0.005	91	194409	1.00	0.9564	
53 2,3-Dimethylpentane	71	10.124	10.124	0.000	86	50348	1.00	0.9478	
54 Thiophene	84	10.275	10.275	0.000	90	113088	1.00	0.8999	
55 Isooctane	57	10.792	10.798	-0.006	94	307873	1.00	1.04	
56 n-Heptane	71	11.186	11.191	-0.006	92	78550	1.00	1.03	
57 1,2-Dichloropropane	63	11.272	11.272	0.000	81	83541	1.00	0.9844	
58 Trichloroethene	130	11.305	11.305	0.000	95	123422	1.00	0.9748	
59 Dibromomethane	93	11.391	11.391	0.000	94	102371	1.00	0.8985	
60 Dichlorobromomethane	83	11.542	11.542	0.000	96	175374	1.00	0.9404	
61 1,4-Dioxane	88	11.564	11.558	0.006	76	38399	1.00	1.00	
62 Methyl methacrylate	41	11.655	11.650	0.005	92	97468	1.00	0.9498	
63 Methylcyclohexane	83	12.103	12.097	0.006	94	160211	1.00	1.21	
64 4-Methyl-2-pentanone (MIBK)	43	12.529	12.523	0.006	96	201240	1.00	1.03	
65 cis-1,3-Dichloropropene	75	12.583	12.577	0.006	93	135781	1.00	1.04	
66 trans-1,3-Dichloropropene	75	13.300	13.294	0.005	95	114783	1.00	0.9766	
67 Toluene	91	13.413	13.413	0.000	94	283240	1.00	0.9839	
68 1,1,2-Trichloroethane	83	13.494	13.485	0.000	95	88651	1.00	0.9766	
69 2-Hexanone	58	13.888	13.888	0.000	89	78406	1.00	0.9408	
70 n-Octane	85	14.125	14.130	-0.005	89	82422	1.00	0.9618	
71 Chlorodibromomethane	129	14.200	14.200	0.000	96	208985	1.00	0.9691	
72 Ethylene Dibromide	107	14.497	14.497	0.000	95	152642	1.00	0.8994	
73 Tetrachloroethene	129	14.572	14.572	-0.001	91	110899	1.00	0.9372	
74 Chlorobenzene	112	15.457	15.457	0.000	97	247017	1.00	1.00	
75 2,3-Dimethylheptane	43	15.484	15.484	0.000	94	232125	1.00	0.8621	
76 Ethylbenzene	91	15.748	15.748	0.000	98	395761	1.00	1.04	
77 m-Xylene & p-Xylene	91	15.910	15.910	0.000	97	582922	2.00	1.92	
78 n-Nonane	57	16.341	16.341	0.000	88	125400	1.00	0.9071	
79 Bromoform	173	16.357	16.357	0.000	91	182478	1.00	1.06	
80 Styrene	104	16.379	16.373	0.005	94	212984	1.00	0.9842	
81 o-Xylene	91	16.438	16.438	0.000	98	288653	1.00	0.9226	
82 1,1,2,2-Tetrachloroethane	83	16.762	16.767	-0.005	97	226532	1.00	0.9176	
83 1,2,3-Trichloropropane	110	16.918	16.924	-0.006	93	70052	1.00	0.9693	

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	17.026	17.026	0.000	93	449015	1.00	0.9328	
85 N-Propylbenzene	120	17.576	17.576	0.000	100	125582	1.00	0.9491	
86 2-Chlorotoluene	126	17.619	17.619	0.000	96	117813	1.00	0.8593	
87 4-Ethyltoluene	105	17.732	17.732	0.000	98	413732	1.00	0.8592	
88 1,3,5-Trimethylbenzene	120	17.808	17.808	0.000	92	197454	1.00	0.9729	
89 Alpha Methyl Styrene	118	18.051	18.045	0.006	91	159005	1.00	0.8722	
90 n-Decane	57	18.110	18.110	0.000	87	178077	1.00	0.9330	
91 tert-Butylbenzene	119	18.245	18.245	0.000	95	388764	1.00	0.8810	
92 1,2,4-Trimethylbenzene	105	18.255	18.255	-0.001	95	373040	1.00	0.9237	
93 sec-Butylbenzene	105	18.520	18.520	0.000	99	571622	1.00	0.9326	
94 1,3-Dichlorobenzene	146	18.530	18.530	-0.001	96	265465	1.00	0.8958	
95 Benzyl chloride	91	18.606	18.611	-0.005	99	284767	1.00	1.02	
96 1,4-Dichlorobenzene	146	18.622	18.622	0.000	96	256353	1.00	0.9124	
97 4-Isopropyltoluene	119	18.687	18.687	0.000	97	450477	1.00	0.9045	
98 1,2,3-Trimethylbenzene	105	18.741	18.741	0.000	98	272794	1.00	0.6742	
99 Butylcyclohexane	83	18.795	18.795	0.000	94	252283	1.00	0.8249	
100 2,3-Dihydroindene	117	18.989	18.989	0.000	94	356351	1.00	0.8784	
101 1,2-Dichlorobenzene	146	18.989	18.989	0.000	87	267959	1.00	0.8935	
102 Indene	116	19.118	19.118	0.000	94	258768	1.00	0.8278	
103 n-Butylbenzene	91	19.129	19.129	0.000	97	477424	1.00	0.9567	
104 Undecane	57	19.453	19.447	0.006	86	211275	1.00	0.9077	
105 1,2-Dibromo-3-Chloropropane	157	19.598	19.598	0.000	88	106864	1.00	0.7927	
106 1,2,4,5-Tetramethylbenzene	119	19.895	19.895	0.000	98	418487	1.00	0.9034	
107 Dodecane	57	20.509	20.509	-0.001	85	196728	1.00	0.8756	
108 1,2,4-Trichlorobenzene	180	20.693	20.693	0.000	93	185271	1.00	0.9472	
109 Naphthalene	128	20.833	20.833	0.000	99	518446	1.00	1.06	
110 Hexachlorobutadiene	225	21.049	21.049	0.000	88	182505	1.00	0.8936	
111 1,2,3-Trichlorobenzene	180	21.119	21.119	0.000	92	202100	1.00	0.9509	
112 2-Methylnaphthalene	142	21.852	21.847	0.005	98	144882	1.00	0.8369	
113 1-Methylnaphthalene	142	21.982	21.982	0.000	99	260649	1.00	0.5536	
A 116 C8 Range	1	14.120	(14.082-14.158)		0	798819	1.00	0.9766	
S 117 Xylenes, Total	100				0		3.00	2.84	
S 118 1,2-Dichloroethene, Total	1				0		2.00	1.96	
T 155 1,2,3,5-Tetramethylbenzene TIC	119	19.949	19.949	0.000	96	240491	1.00	0.7488	
T 156 1,2,3,4-Tetramethylbenzene TIC	119	20.342	20.342	0.000	98	333664	1.00	1.04	
T 157 Benzo(b)thiophene TIC	134	20.935	20.935	-0.001	98	246332	1.00	0.7670	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

40CV101S_00116	Amount Added: 50.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

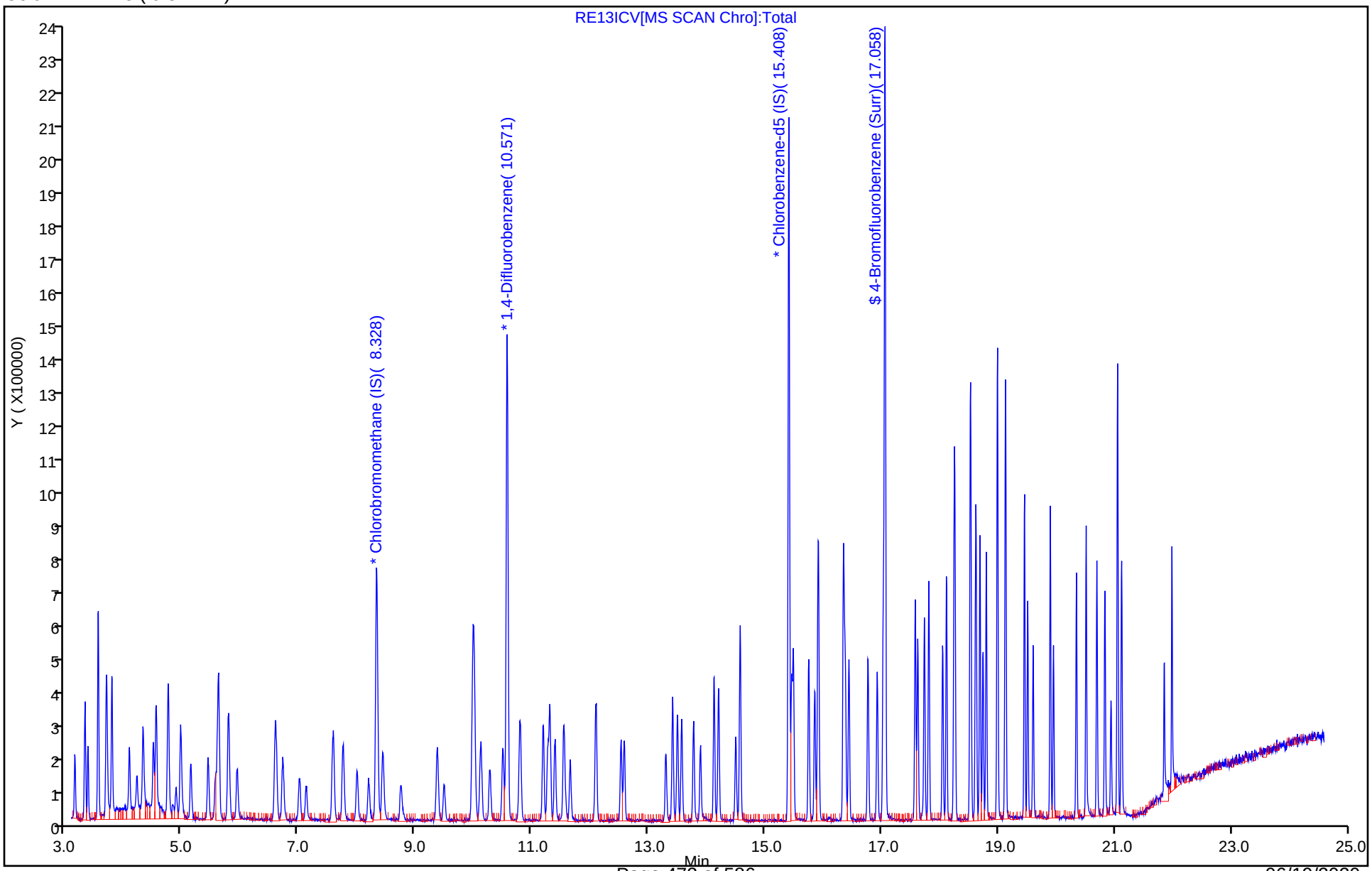
Report Date: 14-May-2020 15:20:29 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13ICV.D

Injection Date:	13-May-2020 21:19:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	ICV			Worklist Smp#:	18
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



06/19/2020

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab Sample ID: CCVIS 140-40256/9 Calibration Date: 06/11/2020 12:45

Instrument ID: MR Calib Start Date: 05/13/2020 10:05

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 05/14/2020 00:39

Lab File ID: RCCVF11C.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	2.025	2.605		2.06	1.60	28.6	30.0
Propene	Lin1		1.919		1.97	1.60	22.9	30.0
Freon 12	Ave	2.162	3.372		2.50	1.60	56.0*	30.0
Chloromethane	Ave	0.4082	0.4141		1.62	1.60	1.5	30.0
Freon-114	Ave	2.144	3.519		2.63	1.60	64.2*	30.0
Acetaldehyde	Ave	0.6896	0.6854		7.95	8.00	-0.6	30.0
Vinyl chloride	Ave	1.747	1.954		1.79	1.60	11.9	30.0
Butane	Ave	2.611	2.827		1.73	1.60	8.3	30.0
1,3-Butadiene	Ave	1.192	1.320		1.77	1.60	10.7	30.0
Bromomethane	Ave	2.045	2.121		1.66	1.60	3.7	30.0
Chloroethane	Ave	0.9186	0.9537		1.66	1.60	3.8	30.0
Ethanol	Ave	1.094	1.086		7.94	8.00	-0.7	30.0
Vinyl bromide	Ave	2.206	2.336		1.69	1.60	5.9	30.0
2-Methylbutane	Ave	2.055	2.197		1.71	1.60	6.9	30.0
Freon 11	Ave	5.125	6.098		1.90	1.60	19.0	30.0
Acrolein	Ave	0.3799	0.4795		2.02	1.60	26.2	30.0
Acetonitrile	Ave	0.5741	0.5840		1.63	1.60	1.7	30.0
Acetone	Ave	0.7144	0.6948		4.67	4.80	-2.7	30.0
2-Propanol	Ave	1.924	2.017		5.03	4.80	4.9	30.0
Pentane	Ave	0.2753	0.3187		1.85	1.60	15.8	30.0
Ethyl ether	Ave	2.001	2.124		1.70	1.60	6.1	30.0
1,1-Dichloroethene	Ave	1.623	1.821		1.80	1.60	12.2	30.0
Acrylonitrile	Ave	0.6935	0.8287		1.91	1.60	19.5	30.0
tert-Butyl alcohol	Ave	2.456	2.754		1.79	1.60	12.1	30.0
Freon 113	Ave	3.534	4.074		1.84	1.60	15.3	30.0
Methylene Chloride	Lin2		2.065		2.01	1.60	25.9	30.0
3-Chloropropene	Ave	1.534	1.707		1.78	1.60	11.3	30.0
Carbon disulfide	Ave	4.128	4.950		1.92	1.60	19.9	30.0
trans-1,2-Dichloroethene	Ave	1.541	1.809		1.88	1.60	17.4	30.0
2-Methylpentane	Ave	3.064	3.335		1.74	1.60	8.8	30.0
Methyl tert-butyl ether	Ave	3.751	4.354		1.86	1.60	16.1	30.0
1,1-Dichloroethane	Ave	2.441	2.848		1.87	1.60	16.7	30.0
Vinyl acetate	Ave	3.537	4.010		1.81	1.60	13.4	30.0
2-Butanone	Ave	0.7001	0.7402		1.69	1.60	5.7	30.0
Hexane	Ave	0.8861	1.011		1.83	1.60	14.1	30.0
Isopropyl ether	Ave	4.407	4.911		1.78	1.60	11.4	30.0
cis-1,2-Dichloroethene	Ave	1.526	1.870		1.96	1.60	22.5	30.0
Ethyl acetate	Ave	3.133	3.679		1.88	1.60	17.4	30.0
Chloroform	Ave	3.115	3.860		1.98	1.60	23.9	30.0
Tert-butyl ethyl ether	Ave	3.781	4.397		1.86	1.60	16.3	30.0
Tetrahydrofuran	Ave	1.438	1.768		1.97	1.60	23.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab Sample ID: CCVIS 140-40256/9 Calibration Date: 06/11/2020 12:45

Instrument ID: MR Calib Start Date: 05/13/2020 10:05

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 05/14/2020 00:39

Lab File ID: RCCVF11C.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
1,1,1-Trichloroethane	Ave	3.441	4.020		1.87	1.60	16.8	30.0
1,2-Dichloroethane	Ave	0.2575	0.3150		1.96	1.60	22.3	30.0
1-Butanol	Ave	0.1384	0.1467		1.70	1.60	6.0	30.0
Cyclohexane	Ave	0.0934	0.1046		1.79	1.60	11.9	30.0
Benzene	Ave	0.6406	0.7233		1.81	1.60	12.9	30.0
Carbon tetrachloride	Ave	0.5384	0.6865		2.04	1.60	27.5	30.0
2,3-Dimethylpentane	Ave	0.1407	0.1558		1.77	1.60	10.7	30.0
Thiophene	Ave	0.3329	0.4108		1.97	1.60	23.4	30.0
2,2,4-Trimethylpentane	Ave	0.7851	0.9020		1.84	1.60	14.9	30.0
Heptane	Ave	0.2029	0.2339		1.84	1.60	15.3	30.0
1,2-Dichloropropane	Ave	0.2248	0.2573		1.83	1.60	14.5	30.0
Trichloroethene	Ave	0.3353	0.4038		1.93	1.60	20.4	30.0
Dibromomethane	Ave	0.3018	0.3643		1.93	1.60	20.7	30.0
Bromodichloromethane	Ave	0.4940	0.5733		1.86	1.60	16.1	30.0
1,4-Dioxane	Ave	0.1017	0.1039		1.63	1.60	2.1	30.0
Methyl methacrylate	Ave	0.2718	0.2952		1.74	1.60	8.6	30.0
Methylcyclohexane	Ave	0.3517	0.4078		1.86	1.60	16.0	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.5160	0.5791		1.80	1.60	12.2	30.0
cis-1,3-Dichloropropene	Ave	0.3474	0.4305		1.98	1.60	23.9	30.0
trans-1,3-Dichloropropene	Ave	0.3659	0.4239		1.85	1.60	15.8	30.0
Toluene	Ave	0.8963	1.011		1.81	1.60	12.8	30.0
1,1,2-Trichloroethane	Ave	0.2826	0.3108		1.76	1.60	10.0	30.0
2-Hexanone	Ave	0.2595	0.2813		1.73	1.60	8.4	30.0
Octane	Ave	0.2668	0.3113		1.87	1.60	16.7	30.0
Dibromochloromethane	Ave	0.6714	0.7995		1.91	1.60	19.1	30.0
1,2-Dibromoethane	Ave	0.5284	0.5998		1.82	1.60	13.5	30.0
Tetrachloroethene	Ave	0.3684	0.4179		1.81	1.60	13.4	30.0
Chlorobenzene	Ave	0.7721	0.8595		1.78	1.60	11.3	30.0
2,3-Dimethylheptane	Ave	0.8384	0.8612		1.64	1.60	2.7	30.0
Ethylbenzene	Ave	1.187	1.389		1.87	1.60	17.0	30.0
m-Xylene & p-Xylene	Ave	0.9452	1.017		3.44	3.20	7.6	30.0
Nonane	Ave	0.4304	0.4313		1.60	1.60	0.2	30.0
Bromoform	Ave	0.5352	0.7167		2.14	1.60	33.9*	30.0
Styrene	Ave	0.6737	0.7738		1.84	1.60	14.9	30.0
o-Xylene	Ave	0.9741	1.036		1.70	1.60	6.3	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7686	0.8651		1.80	1.60	12.6	30.0
1,2,3-Trichloropropane	Ave	0.2250	0.2384		1.70	1.60	5.9	30.0
Cumene	Ave	1.499	1.592		1.70	1.60	6.2	30.0
Propylbenzene	Ave	0.4120	0.4557		1.77	1.60	10.6	30.0
2-Chlorotoluene	Ave	0.4269	0.4795		1.80	1.60	12.3	30.0
4-Ethyltoluene	Ave	1.499	1.612		1.72	1.60	7.6	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Lab Sample ID: CCVIS 140-40256/9 Calibration Date: 06/11/2020 12:45

Instrument ID: MR Calib Start Date: 05/13/2020 10:05

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 05/14/2020 00:39

Lab File ID: RCCVF11C.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
1,3,5-Trimethylbenzene	Ave	0.6319	0.6690		1.69	1.60	5.9	30.0
Alpha Methyl Styrene	Ave	0.5676	0.6709		1.89	1.60	18.2	30.0
Decane	Ave	0.5942	0.6032		1.62	1.60	1.5	30.0
tert-Butylbenzene	Ave	1.374	1.477		1.72	1.60	7.5	30.0
1,2,4-Trimethylbenzene	Ave	1.257	1.391		1.77	1.60	10.7	30.0
sec-Butylbenzene	Ave	1.908	2.092		1.75	1.60	9.6	30.0
1,3-Dichlorobenzene	Ave	0.9226	1.053		1.83	1.60	14.2	30.0
alpha-Chlorotoluene	Ave	0.8701	1.073		1.97	1.60	23.4	30.0
1,4-Dichlorobenzene	Ave	0.8747	1.009		1.85	1.60	15.4	30.0
4-Isopropyltoluene	Ave	1.551	1.782		1.84	1.60	14.9	30.0
1,2,3-Trimethylbenzene	Ave	1.260	1.379		1.75	1.60	9.5	30.0
Butylcyclohexane	Ave	0.9522	0.9921		1.67	1.60	4.2	30.0
1,2-Dichlorobenzene	Ave	0.9338	1.035		1.77	1.60	10.8	30.0
Indane	Ave	1.263	1.354		1.72	1.60	7.2	30.0
Indene	Ave	0.9733	1.164		1.91	1.60	19.6	30.0
Butylbenzene	Ave	1.554	1.744		1.80	1.60	12.3	30.0
Undecane	Ave	0.7247	0.7443		1.64	1.60	2.7	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.4198	0.5578		2.13	1.60	32.9*	30.0
1,2,4,5-Tetramethylbenzene	Ave	1.442	1.652		1.83	1.60	14.5	30.0
Dodecane	Ave	0.6996	0.7146		1.63	1.60	2.1	30.0
1,2,4-Trichlorobenzene	Ave	0.6090	0.7216		1.90	1.60	18.5	30.0
Naphthalene	Ave	1.520	1.887		1.99	1.60	24.2	30.0
Hexachlorobutadiene	Ave	0.6359	0.7119		1.79	1.60	12.0	30.0
1,2,3-Trichlorobenzene	Ave	0.6617	0.7546		1.82	1.60	14.0	30.0
2-Methylnaphthalene	Lin		0.9658		1.30	1.60	-18.7	50.0
1-Methylnaphthalene	Ave	1.466	1.490		1.63	1.60	1.6	50.0
4-Bromofluorobenzene (Surr)	Ave	0.5395	0.5521		4.09	4.00	2.3	30.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RCCVF11C.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 11-Jun-2020 12:45:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015714-009
Misc. Info.: P116 80ML
Operator ID: HMT Instrument ID: MR
Sublist: chrom-MR_TO15*sub16

Method: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Jun-2020 11:22:30 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1059

First Level Reviewer: khachitpongpanits Date: 12-Jun-2020 11:22:30

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	8.318	8.318	0.000	82	177756	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.561	10.561	0.000	93	1222146	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.398	15.398	0.000	83	1052535	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.048	17.048	0.000	95	581059	4.00	4.09	
6 Chlorodifluoromethane	51	3.319	3.319	0.000	98	185225	1.60	2.06	
7 Propene	41	3.330	3.330	0.000	97	136472	1.60	1.97	
8 Dichlorodifluoromethane	85	3.378	3.378	0.000	98	239786	1.60	2.50	
9 Chloromethane	52	3.545	3.545	0.000	59	29443	1.60	1.62	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.551	3.551	0.000	88	250217	1.60	2.63	
11 Acetaldehyde	44	3.691	3.691	0.000	80	243650	8.00	7.95	
12 Vinyl chloride	62	3.707	3.707	0.000	99	138961	1.60	1.79	
13 Butane	43	3.783	3.783	0.000	86	201000	1.60	1.73	
14 Butadiene	54	3.788	3.788	0.000	75	93831	1.60	1.77	
15 Bromomethane	94	4.079	4.079	0.000	97	150827	1.60	1.66	
16 Chloroethane	64	4.219	4.219	0.000	88	67809	1.60	1.66	
17 Ethanol	31	4.322	4.322	0.000	95	386088	8.00	7.94	
18 Vinyl bromide	106	4.494	4.494	0.000	95	166091	1.60	1.69	
19 2-Methylbutane	43	4.543	4.543	0.000	93	156221	1.60	1.71	
20 Trichlorofluoromethane	101	4.748	4.748	0.000	97	433569	1.60	1.90	
21 Acrolein	56	4.769	4.769	0.000	86	34092	1.60	2.02	
22 Acetonitrile	40	4.834	4.834	0.000	95	41523	1.60	1.63	
23 Acetone	58	4.877	4.877	0.000	98	148202	4.80	4.67	
24 Pentane	72	4.969	4.969	0.000	93	22657	1.60	1.85	
25 Isopropyl alcohol	45	4.969	4.969	0.000	93	430228	4.80	5.03	
26 Ethyl ether	31	5.125	5.125	0.000	90	151019	1.60	1.70	
27 1,1-Dichloroethene	96	5.438	5.438	0.000	93	129504	1.60	1.80	
28 Acrylonitrile	53	5.546	5.546	0.000	47	58921	1.60	1.91	
29 2-Methyl-2-propanol	59	5.562	5.562	0.000	93	195826	1.60	1.79	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.611	5.611	0.000	94	289647	1.60	1.84	
31 Methylene Chloride	84	5.778	5.778	0.000	90	146836	1.60	2.01	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	5.799	5.799	0.000	94	121341	1.60	1.78	
33 Carbon disulfide	76	5.934	5.934	0.000	97	351987	1.60	1.92	
34 trans-1,2-Dichloroethene	96	6.581	6.581	0.000	86	128621	1.60	1.88	
35 2-Methylpentane	43	6.603	6.603	0.000	93	237094	1.60	1.74	
36 Methyl tert-butyl ether	73	6.711	6.711	0.000	95	309590	1.60	1.86	
37 1,1-Dichloroethane	63	6.996	6.996	0.000	99	202471	1.60	1.87	
38 Vinyl acetate	43	7.110	7.110	0.000	99	285119	1.60	1.81	
39 2-Butanone (MEK)	72	7.557	7.557	0.000	98	52631	1.60	1.69	
40 Hexane	56	7.579	7.579	0.000	86	71911	1.60	1.83	
41 Isopropyl ether	45	7.746	7.746	0.000	91	349194	1.60	1.78	
42 cis-1,2-Dichloroethene	96	7.989	7.989	0.000	84	132940	1.60	1.96	
43 Ethyl acetate	43	8.177	8.177	0.000	96	261613	1.60	1.88	
44 Chloroform	83	8.334	8.334	0.000	83	274455	1.60	1.98	
45 Tert-butyl ethyl ether	59	8.425	8.425	0.000	95	312624	1.60	1.86	
46 Tetrahydrofuran	42	8.727	8.727	0.000	95	125683	1.60	1.97	
47 1,1,1-Trichloroethane	97	9.358	9.358	0.000	93	285856	1.60	1.87	
48 1,2-Dichloroethane	62	9.488	9.488	0.000	95	153973	1.60	1.96	
49 n-Butanol	31	9.962	9.962	0.000	44	71727	1.60	1.70	
50 Cyclohexane	69	9.973	9.973	0.000	72	51118	1.60	1.79	
51 Benzene	78	9.978	9.978	0.000	93	353570	1.60	1.81	
52 Carbon tetrachloride	117	10.000	10.000	0.000	92	335617	1.60	2.04	
53 2,3-Dimethylpentane	71	10.113	10.113	0.000	88	76140	1.60	1.77	
54 Thiophene	84	10.264	10.264	0.000	91	200811	1.60	1.97	
55 Isooctane	57	10.776	10.776	0.000	93	440972	1.60	1.84	
56 n-Heptane	71	11.175	11.175	0.000	93	114342	1.60	1.84	
57 1,2-Dichloropropane	63	11.262	11.262	0.000	89	125805	1.60	1.83	
58 Trichloroethene	130	11.294	11.294	0.000	93	197379	1.60	1.93	
59 Dibromomethane	93	11.380	11.380	0.000	92	178075	1.60	1.93	
60 Dichlorobromomethane	83	11.537	11.537	0.000	96	280267	1.60	1.86	
61 1,4-Dioxane	88	11.542	11.542	0.000	39	50778	1.60	1.63	
62 Methyl methacrylate	41	11.639	11.639	0.000	92	144289	1.60	1.74	
63 Methylcyclohexane	83	12.087	12.087	0.000	92	199371	1.60	1.86	
64 4-Methyl-2-pentanone (MIBK)	43	12.513	12.513	0.000	97	283079	1.60	1.80	
65 cis-1,3-Dichloropropene	75	12.572	12.572	0.000	93	210453	1.60	1.98	
66 trans-1,3-Dichloropropene	75	13.289	13.289	0.000	96	178473	1.60	1.85	
67 Toluene	91	13.403	13.403	0.000	93	425704	1.60	1.81	
68 1,1,2-Trichloroethane	83	13.483	13.483	0.000	93	130839	1.60	1.76	
69 2-Hexanone	58	13.877	13.877	0.000	94	118439	1.60	1.73	
70 n-Octane	85	14.114	14.114	0.000	87	131065	1.60	1.87	
71 Chlorodibromomethane	129	14.190	14.190	0.000	94	336584	1.60	1.91	
72 Ethylene Dibromide	107	14.486	14.486	0.000	95	252529	1.60	1.82	
73 Tetrachloroethene	129	14.562	14.562	0.000	92	175939	1.60	1.81	
74 Chlorobenzene	112	15.446	15.446	0.000	97	361878	1.60	1.78	
75 2,3-Dimethylheptane	43	15.473	15.473	0.000	92	362569	1.60	1.64	
76 Ethylbenzene	91	15.737	15.737	0.000	97	584779	1.60	1.87	
77 m-Xylene & p-Xylene	91	15.905	15.905	0.000	96	856571	3.20	3.44	
78 n-Nonane	57	16.331	16.331	0.000	86	181570	1.60	1.60	
79 Bromoform	173	16.347	16.347	0.000	91	301733	1.60	2.14	
80 Styrene	104	16.363	16.363	0.000	96	325793	1.60	1.84	
81 o-Xylene	91	16.428	16.428	0.000	98	436105	1.60	1.70	
82 1,1,2,2-Tetrachloroethane	83	16.751	16.751	0.000	98	364238	1.60	1.80	
83 1,2,3-Trichloropropane	110	16.913	16.913	0.000	93	100366	1.60	1.70	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.021	17.021	0.000	96	670386	1.60	1.70	
85 N-Propylbenzene	120	17.565	17.565	0.000	100	191870	1.60	1.77	
86 2-Chlorotoluene	126	17.609	17.609	0.000	96	201894	1.60	1.80	
87 4-Ethyltoluene	105	17.727	17.727	0.000	99	678882	1.60	1.72	
88 1,3,5-Trimethylbenzene	120	17.803	17.803	0.000	93	281645	1.60	1.69	
89 Alpha Methyl Styrene	118	18.040	18.040	0.000	93	282476	1.60	1.89	
90 n-Decane	57	18.105	18.105	0.000	87	253956	1.60	1.62	
91 tert-Butylbenzene	119	18.234	18.234	0.000	95	621699	1.60	1.72	
92 1,2,4-Trimethylbenzene	105	18.250	18.250	0.000	95	585817	1.60	1.77	
93 sec-Butylbenzene	105	18.514	18.514	0.000	98	880604	1.60	1.75	
94 1,3-Dichlorobenzene	146	18.525	18.525	0.000	95	443485	1.60	1.83	
95 Benzyl chloride	91	18.601	18.601	0.000	99	451850	1.60	1.97	
96 1,4-Dichlorobenzene	146	18.612	18.612	0.000	95	424988	1.60	1.85	
97 4-Isopropyltoluene	119	18.682	18.682	0.000	97	750359	1.60	1.84	
98 1,2,3-Trimethylbenzene	105	18.730	18.730	0.000	98	580744	1.60	1.75	
99 Butylcyclohexane	83	18.789	18.789	0.000	93	417690	1.60	1.67	
101 1,2-Dichlorobenzene	146	18.978	18.978	0.000	84	435643	1.60	1.77	
100 2,3-Dihydroindene	117	18.978	18.978	0.000	94	570101	1.60	1.72	
102 Indene	116	19.113	19.113	0.000	92	490075	1.60	1.91	
103 n-Butylbenzene	91	19.124	19.124	0.000	95	734413	1.60	1.80	
104 Undecane	57	19.442	19.442	0.000	87	313363	1.60	1.64	
105 1,2-Dibromo-3-Chloropropane	157	19.593	19.593	0.000	91	234851	1.60	2.13	
106 1,2,4,5-Tetramethylbenzene	119	19.884	19.884	0.000	99	695418	1.60	1.83	
107 Dodecane	57	20.504	20.504	0.000	85	300852	1.60	1.63	
108 1,2,4-Trichlorobenzene	180	20.688	20.688	0.000	94	303793	1.60	1.90	
109 Naphthalene	128	20.822	20.822	0.000	99	794526	1.60	1.99	
110 Hexachlorobutadiene	225	21.044	21.044	0.000	88	299709	1.60	1.79	
111 1,2,3-Trichlorobenzene	180	21.108	21.108	0.000	93	317688	1.60	1.82	
112 2-Methylnaphthalene	142	21.842	21.842	0.000	98	406626	1.60	1.30	
113 1-Methylnaphthalene	142	21.976	21.976	0.000	99	627322	1.60	1.63	
A 116 C8 Range	1	14.101	(14.066-14.163)		0	1154293	1.60	1.74	
S 117 Xylenes, Total	100				0		4.80	5.15	
S 118 1,2-Dichloroethene, Total	1				0		3.20	3.84	

Reagents:

40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent
40CV101P_00116	Amount Added: 80.00	Units: ml	

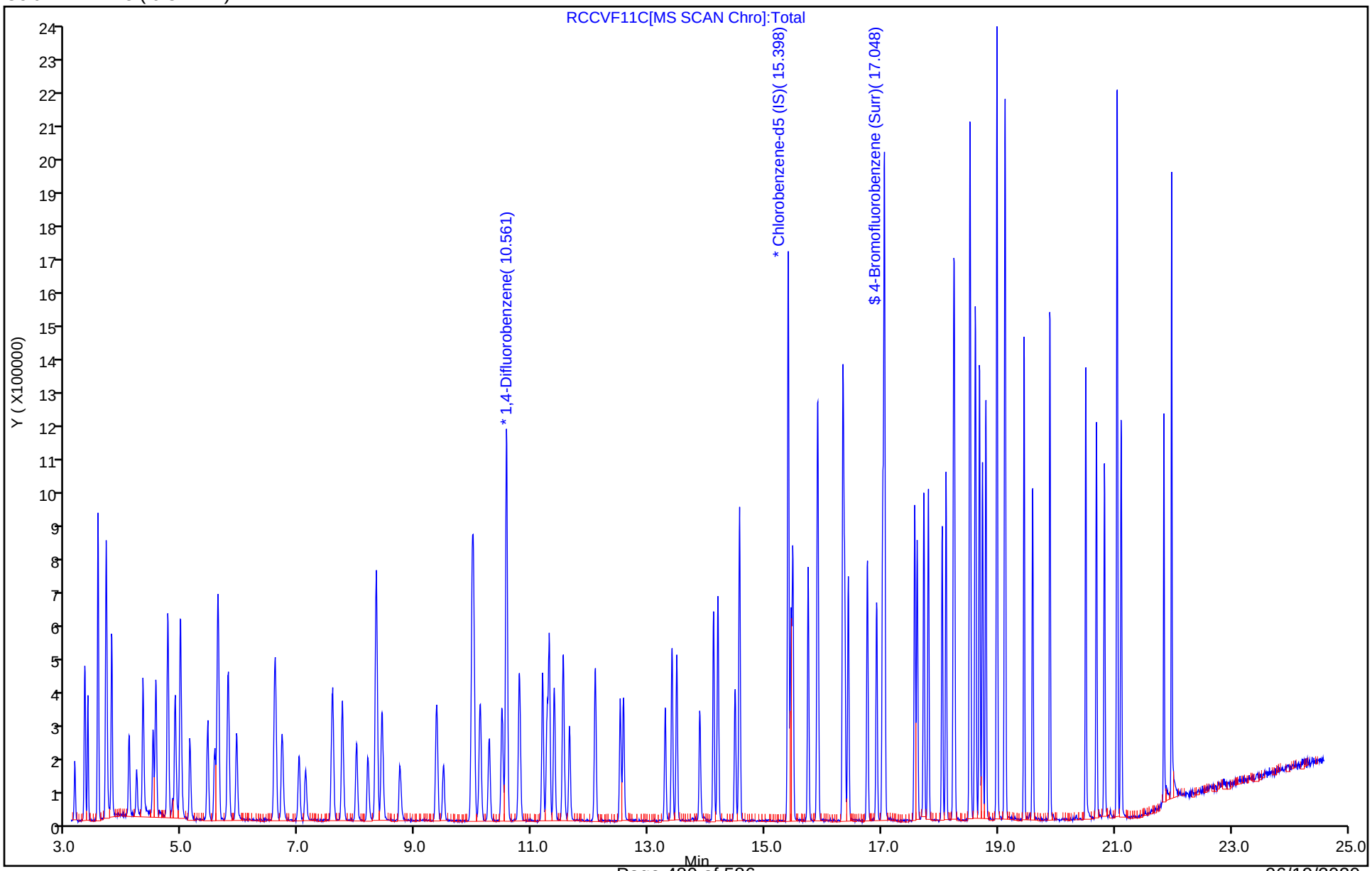
Report Date: 12-Jun-2020 11:22:31 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RCCVF11C.D

Injection Date:	11-Jun-2020 12:45:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	CCVIS			Worklist Smp#:	9
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HDNUD16X.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	16-Apr-2020 06:14:30	ALS Bottle#:	21	Worklist Smp#:	1
Injection Vol:	500.0 mL	Dil. Factor:	1.0000		
Sample Info:					
Misc. Info.:	DNU				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	21-Apr-2020 10:48:14	Calib Date:	16-Apr-2020 18:34:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0331				

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	4.508	4.508	0.000	0	1186897	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

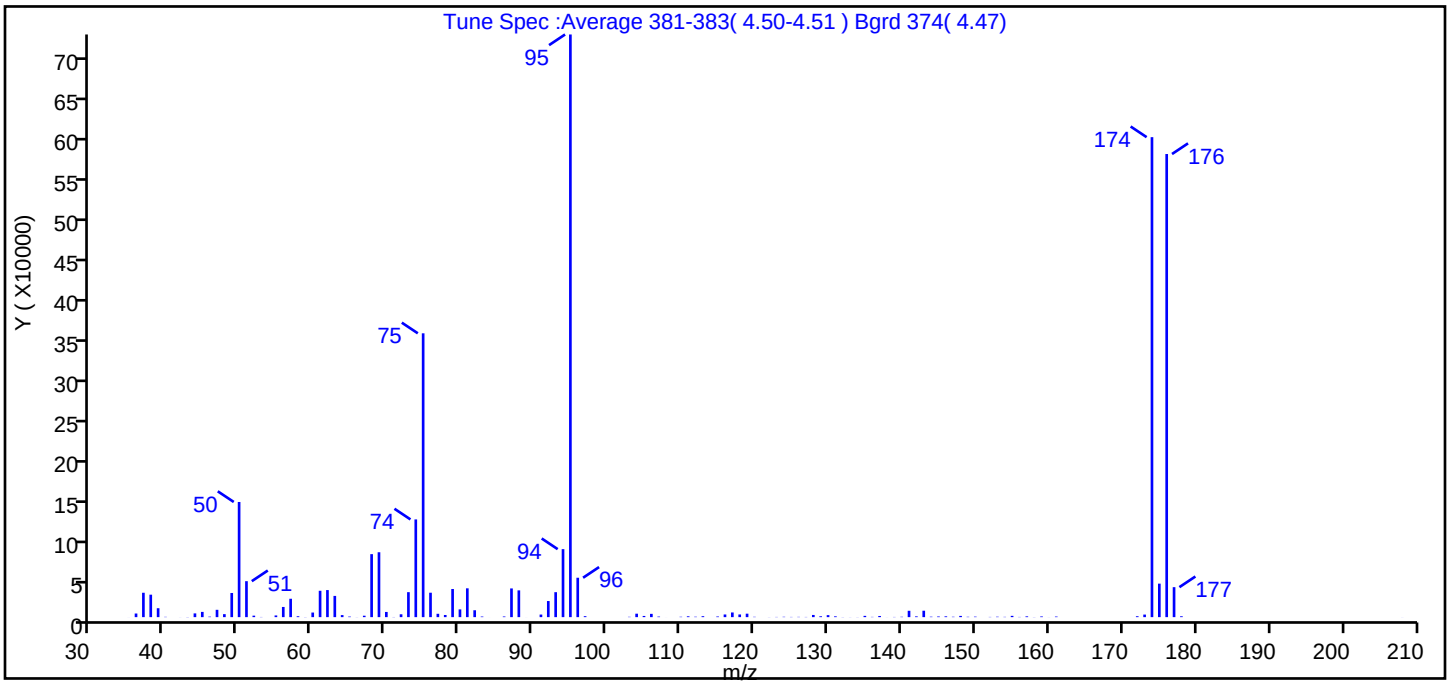
40MXSUR_00003 Amount Added: 40.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HDNUD16X.D
Injection Date: 16-Apr-2020 06:14:30 Instrument ID: MH
Lims ID: BFB
Client ID:
Operator ID: HMT ALS Bottle#: 21 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	19.8
75	30 to 60% of m/z 95	48.7
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	82.4
175	5 to 9% of m/z 174	5.7 (7.0)
176	Greater than 95% but less than 101% of m/z 174	79.5 (96.5)
177	5 to 9% of m/z 176	5.1 (6.5)

Data File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HDNUD16X.D\MH_TO15.rslt\spectra.d
Injection Date: 16-Apr-2020 06:14:30
Spectrum: Tune Spec :Average 381-383(4.50-4.51) Bgrd 374(4.47)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 122

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	42	68.00	78216	106.00	4085	140.00	440
36.00	4509	69.00	80568	107.00	679	141.00	7896
37.00	30280	70.00	6455	108.00	26	142.00	970
38.00	27888	71.00	189	110.00	461	143.00	7975
39.00	11077	72.00	3553	111.00	1045	144.00	568
40.00	363	73.00	31016	112.00	523	145.00	819
42.00	59	74.00	121328	113.00	1160	146.00	1003
43.00	178	75.00	352384	115.00	807	147.00	484
44.00	4651	76.00	30328	116.00	3316	148.00	1536
45.00	6512	77.00	4175	117.00	5801	149.00	443
46.00	599	78.00	2677	118.00	3335	150.00	621
47.00	9102	79.00	34936	119.00	4306	152.00	268
48.00	3723	80.00	9621	120.00	412	153.00	532
49.00	29992	81.00	35784	122.00	101	154.00	348
50.00	142976	82.00	8555	123.00	253	155.00	1598
51.00	44656	83.00	740	124.00	442	156.00	251
52.00	1845	84.00	25	125.00	267	157.00	981
53.00	224	86.00	809	126.00	336	158.00	137
55.00	2106	87.00	35648	127.00	247	159.00	844
56.00	12643	88.00	33240	128.00	2717	160.00	62
57.00	22832	89.00	33	129.00	1064	161.00	735
58.00	1098	91.00	3215	130.00	2490	172.00	1134
59.00	157	92.00	19992	131.00	1007	173.00	3188
60.00	5721	93.00	30992	132.00	137	174.00	595904
61.00	32736	94.00	84416	133.00	94	175.00	41592
62.00	33600	95.00	723392	134.00	110	176.00	574976
63.00	26360	96.00	48912	135.00	1586	177.00	37224
64.00	2546	97.00	1186	136.00	312	178.00	1070
65.00	693	103.00	405	137.00	1439	208.00	57
66.00	96	104.00	4292	138.00	44		
67.00	1773	105.00	1478	139.00	240		

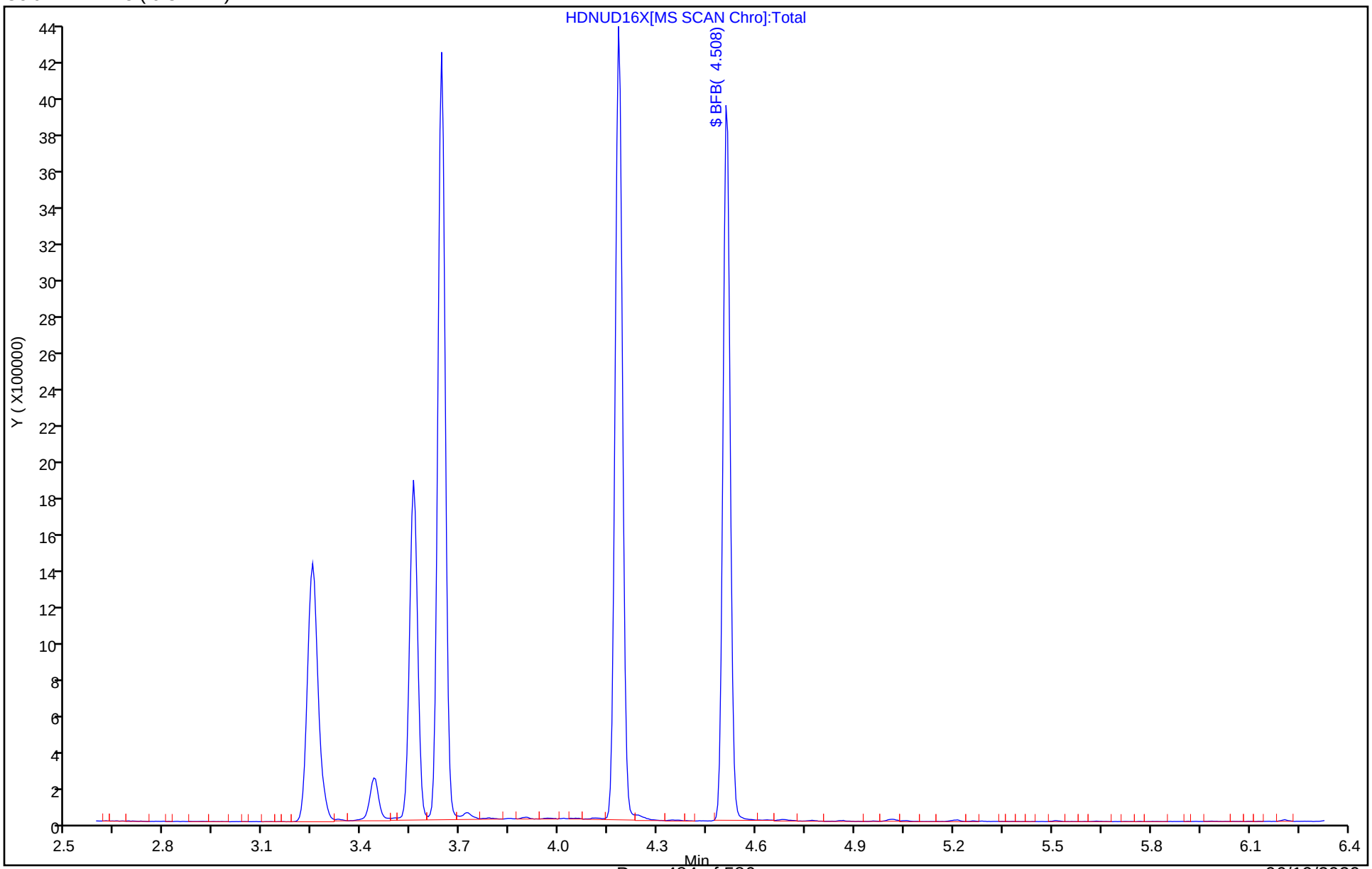
Report Date: 21-Apr-2020 10:48:14 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HDNUD16X.D

Injection Date:	16-Apr-2020 06:14:30	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#:	21
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\20200611-15720.b\HBFBF12.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	12-Jun-2020 07:41:30	ALS Bottle#:	16	Worklist Smp#:	1
Injection Vol:	500.0 mL	Dil. Factor:	1.0000		
Sample Info:	140-0015720-001				
Misc. Info.:	BFB				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	15-Jun-2020 10:45:07	Calib Date:	16-Apr-2020 18:34:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1051				
First Level Reviewer: khachitpongpanits		Date:	15-Jun-2020 10:45:07		

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	4.498	4.498	0.000	0	650195	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

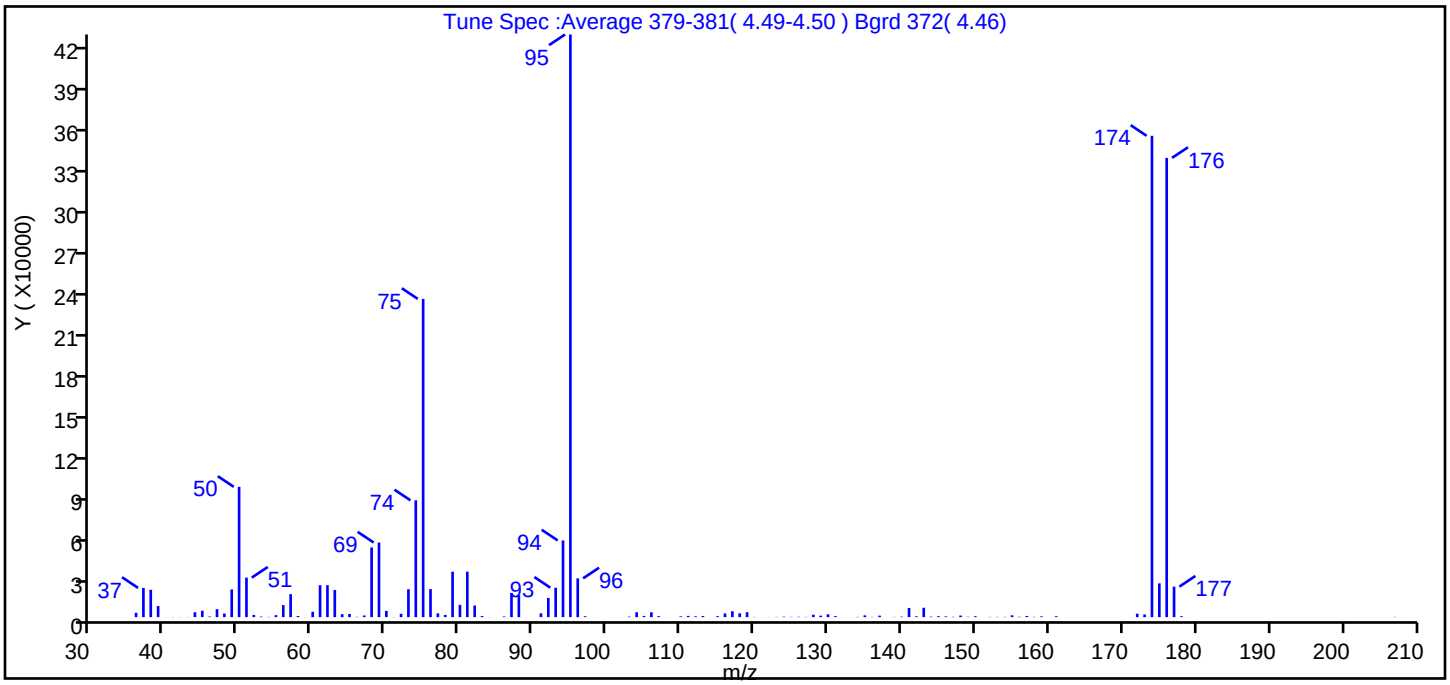
40MXSUR_00003 Amount Added: 40.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HBFBF12.D
Injection Date: 12-Jun-2020 07:41:30 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	22.4
75	30 to 60% of m/z 95	54.6
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.5 (0.6)
174	50 to 120% of m/z 95	82.6
175	5 to 9% of m/z 174	5.8 (7.0)
176	Greater than 95% but less than 101% of m/z 174	78.8 (95.4)
177	5 to 9% of m/z 176	5.2 (6.6)

Data File: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HBFBF12.D\MH_TO15.rslt\spectra.d
Injection Date: 12-Jun-2020 07:41:30
Spectrum: Tune Spec :Average 379-381(4.49-4.50) Bgrd 372(4.46)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 121

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3176	67.00	1206	105.00	871	141.00	6628
37.00	21168	68.00	50504	106.00	3508	142.00	622
38.00	19808	69.00	54048	107.00	712	143.00	6790
39.00	8025	70.00	4546	108.00	26	144.00	387
40.00	54	71.00	130	110.00	537	145.00	690
41.00	117	72.00	2434	111.00	919	146.00	547
42.00	111	73.00	20232	112.00	601	147.00	268
43.00	117	74.00	84608	113.00	851	148.00	1156
44.00	3524	75.00	230528	115.00	722	149.00	275
45.00	4641	76.00	20304	116.00	2663	150.00	679
46.00	452	77.00	2748	117.00	4290	152.00	198
47.00	5774	78.00	1632	118.00	2765	153.00	211
48.00	2613	79.00	32920	119.00	3577	154.00	212
49.00	20048	80.00	8918	120.00	157	155.00	1313
50.00	94392	81.00	32952	122.00	38	156.00	272
51.00	28624	82.00	8421	123.00	187	157.00	870
52.00	1602	83.00	789	124.00	376	158.00	225
53.00	431	84.00	95	125.00	207	159.00	563
54.00	211	86.00	483	126.00	283	161.00	654
55.00	1440	87.00	17536	127.00	178	171.00	35
56.00	8702	88.00	15870	128.00	1762	172.00	2475
57.00	16656	89.00	36	129.00	1081	173.00	1929
58.00	852	91.00	2762	130.00	2074	174.00	348672
59.00	58	92.00	13933	131.00	730	175.00	24480
60.00	3891	93.00	21336	132.00	35	176.00	332672
61.00	23120	94.00	55568	134.00	202	177.00	22096
62.00	23160	95.00	422080	135.00	1288	178.00	658
63.00	19624	96.00	28096	136.00	184	207.00	192
64.00	2142	97.00	633	137.00	1076		
65.00	2306	103.00	405	139.00	154		
66.00	239	104.00	3549	140.00	359		

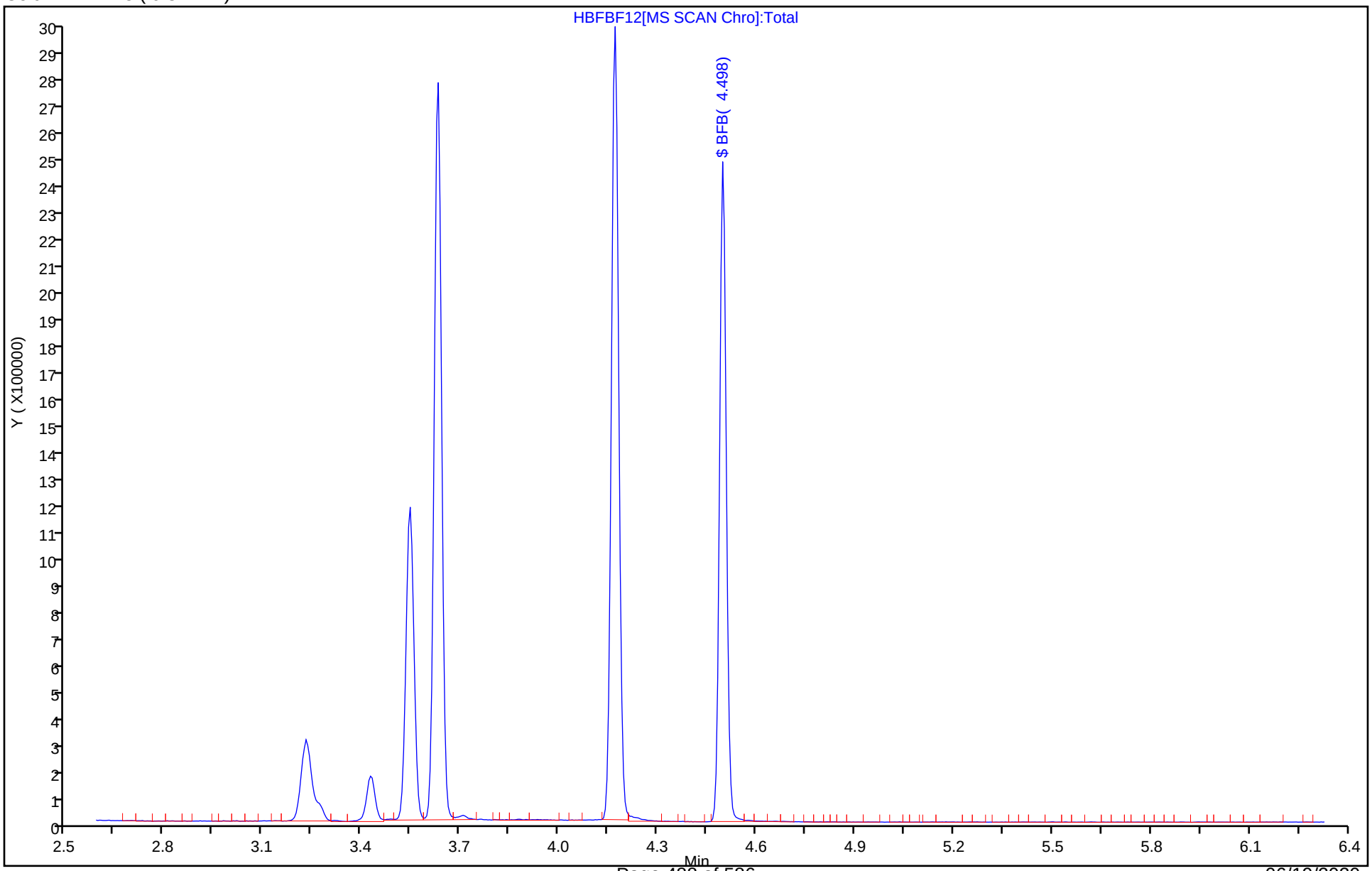
Report Date: 15-Jun-2020 10:45:07 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HBFBF12.D

Injection Date:	12-Jun-2020 07:41:30	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\20200612-15724.b\HBFBF15.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	15-Jun-2020 08:27:30	ALS Bottle#:	16	Worklist Smp#:	1
Injection Vol:	500.0 mL	Dil. Factor:	1.0000		
Sample Info:	140-0015724-001				
Misc. Info.:	BFB				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20200612-15724.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	16-Jun-2020 11:10:35	Calib Date:	16-Apr-2020 18:34:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1015				
First Level Reviewer: khachitpongpanits		Date:	16-Jun-2020 11:10:35		

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	4.508	4.508	0.000	0	574973	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

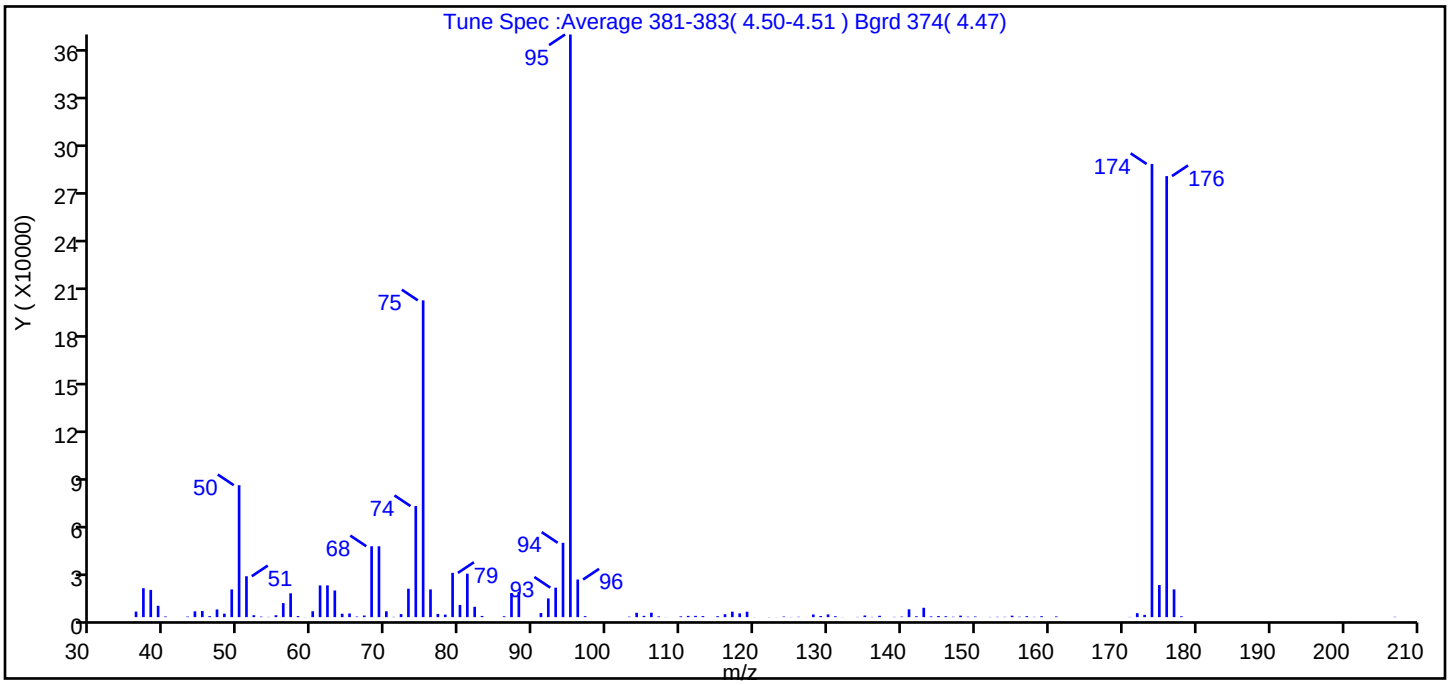
40MXSUR_00003 Amount Added: 40.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HBFBF15.D
Injection Date: 15-Jun-2020 08:27:30 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	22.6
75	30 to 60% of m/z 95	54.4
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	77.8
175	5 to 9% of m/z 174	5.5 (7.1)
176	Greater than 95% but less than 101% of m/z 174	75.7 (97.3)
177	5 to 9% of m/z 176	4.8 (6.3)

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HBFBF15.D\MH_TO15.rslt\spectra.d
Injection Date: 15-Jun-2020 08:27:30
Spectrum: Tune Spec :Average 381-383(4.50-4.51) Bgrd 374(4.47)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 118

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3542	67.00	1036	106.00	2795	141.00	4964
37.00	18376	68.00	45016	107.00	453	142.00	565
38.00	17280	69.00	45008	108.00	75	143.00	5931
39.00	7221	70.00	3722	110.00	504	144.00	459
40.00	431	71.00	176	111.00	794	145.00	694
42.00	8	72.00	1940	112.00	827	146.00	568
43.00	363	73.00	18064	113.00	671	147.00	251
44.00	3705	74.00	70536	115.00	599	148.00	963
45.00	3884	75.00	201152	116.00	1829	149.00	273
46.00	617	76.00	17608	117.00	3465	150.00	410
47.00	4886	77.00	2049	118.00	2385	152.00	139
48.00	2214	78.00	1612	119.00	3440	153.00	209
49.00	17608	79.00	28096	120.00	78	154.00	195
50.00	83792	80.00	7759	122.00	99	155.00	931
51.00	25968	81.00	27608	123.00	83	156.00	270
52.00	1226	82.00	6580	124.00	371	157.00	620
53.00	337	83.00	760	125.00	103	158.00	190
54.00	151	86.00	566	126.00	215	159.00	593
55.00	1221	87.00	15334	127.00	34	161.00	472
56.00	8914	88.00	15894	128.00	1686	171.00	134
57.00	15136	91.00	2611	129.00	696	172.00	2520
58.00	644	92.00	11896	130.00	1742	173.00	1431
59.00	68	93.00	18704	131.00	585	174.00	287744
60.00	3732	94.00	47216	132.00	73	175.00	20392
61.00	20160	95.00	369984	134.00	156	176.00	280064
62.00	20184	96.00	23896	135.00	1053	177.00	17632
63.00	16936	97.00	641	136.00	161	178.00	541
64.00	2166	103.00	306	137.00	870	207.00	213
65.00	2338	104.00	2766	139.00	168		
66.00	356	105.00	819	140.00	326		

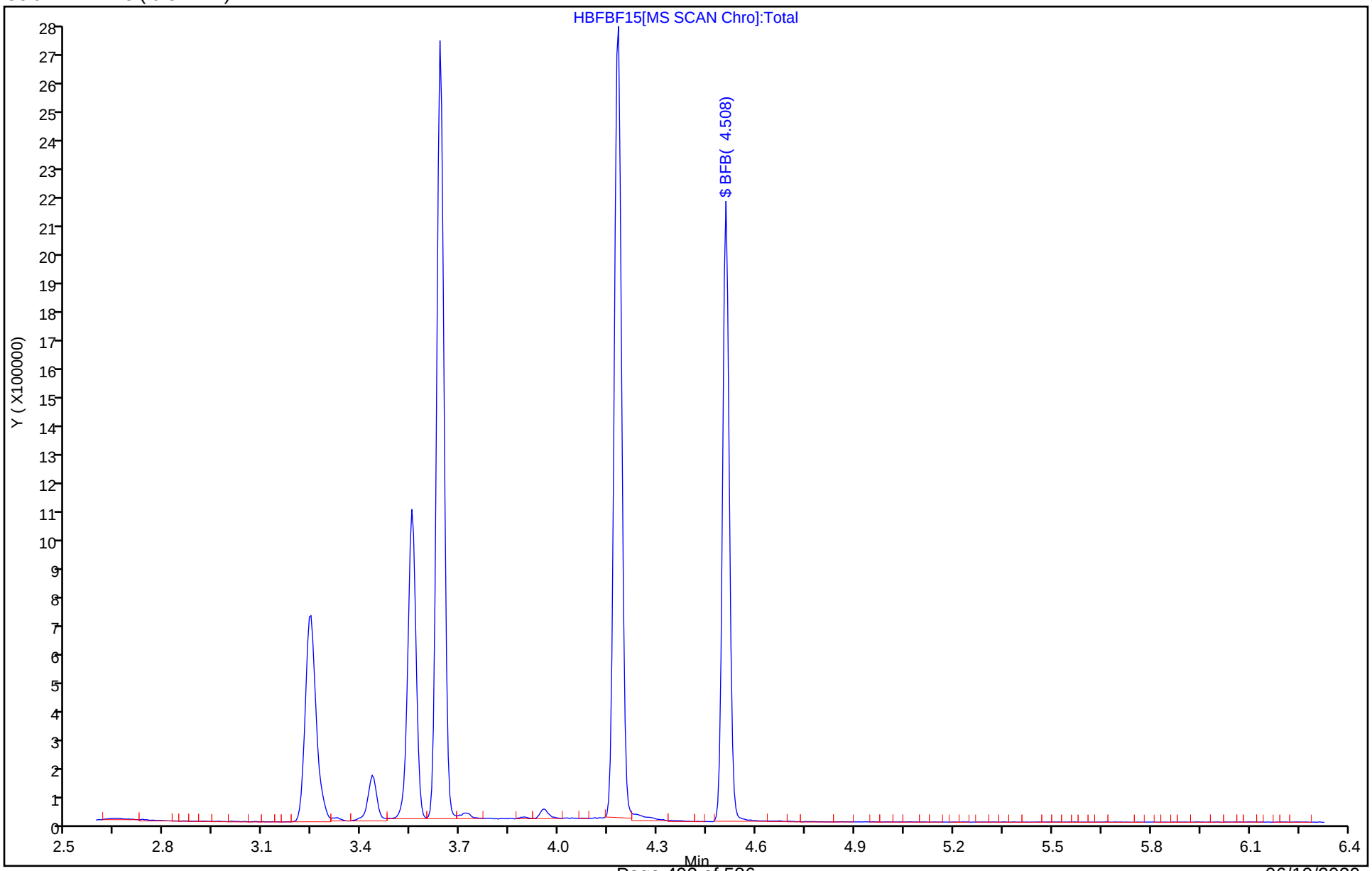
Report Date: 16-Jun-2020 11:10:35 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HBFBF15.D

Injection Date:	15-Jun-2020 08:27:30	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\MR\20200513-15465.b\RBFBE13.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 13-May-2020 07:13:30 ALS Bottle#: 16 Worklist Smp#: 1
Injection Vol: 500.0 mL Dil. Factor: 1.0000
Sample Info: 140-0015452-001
Misc. Info.: BFB
Operator ID: HMT Instrument ID: MR

Method: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 14-May-2020 14:47:36 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: tajh Date: 14-May-2020 07:58:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
$ 5 BFB	95	5.986	5.986	0.000	0	325886	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

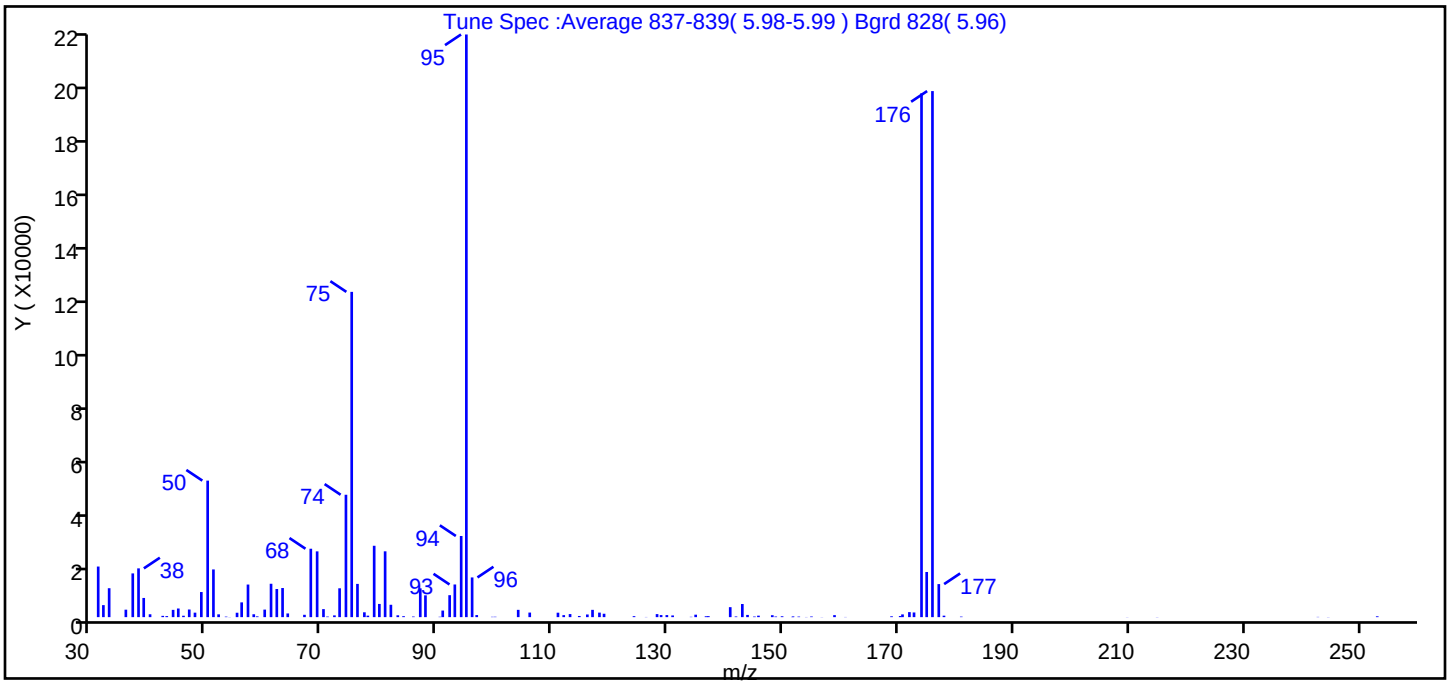
40MXSUR_00003 Amount Added: 40.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RBFBE13.D
Injection Date: 13-May-2020 07:13:30 Instrument ID: MR
Lims ID: BFB
Client ID:
Operator ID: HMT ALS Bottle#: 16 Worklist Smp#: 1
Injection Vol: 500.0 mL Dil. Factor: 1.0000
Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	23.4
75	30 to 60% of m/z 95	55.8
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.8 (0.9)
174	50 to 120% of m/z 95	89.9
175	5 to 9% of m/z 174	7.8 (8.6)
176	Greater than 95% but less than 101% of m/z 174	90.3 (100.4)
177	5 to 9% of m/z 176	5.7 (6.3)

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RBFBE13.D\MR_TO15.rslt\spectra.d
Injection Date: 13-May-2020 07:13:30
Spectrum: Tune Spec :Average 837-839(5.98-5.99) Bgrd 828(5.96)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 115

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	18592	63.00	10699	96.00	14590	146.00	543
32.00	4416	64.00	1357	97.00	762	148.00	714
33.00	10629	67.00	861	100.00	125	149.00	228
36.00	2742	68.00	25136	100.00	142	150.00	320
37.00	16070	69.00	24168	104.00	2681	152.00	39
38.00	17920	70.00	2948	106.00	1681	152.00	274
39.00	7053	71.00	211	111.00	1631	153.00	208
40.00	1057	72.00	650	112.00	739	154.00	60
42.00	473	73.00	10601	113.00	1128	155.00	234
43.00	386	74.00	44968	115.00	426	157.00	46
44.00	2675	75.00	119512	116.00	980	159.00	738
45.00	3174	76.00	12213	117.00	2680	161.00	67
46.00	516	77.00	1781	118.00	1665	169.00	309
47.00	2806	78.00	549	119.00	1247	170.00	405
48.00	1647	79.00	26224	124.00	360	171.00	1009
49.00	9224	80.00	4849	126.00	66	172.00	1844
50.00	50160	81.00	24184	128.00	1114	173.00	1717
51.00	17528	82.00	4546	129.00	759	174.00	192448
52.00	1028	83.00	676	130.00	758	175.00	16592
53.00	193	84.00	350	131.00	624	176.00	193280
54.00	46	86.00	223	134.00	120	177.00	12145
55.00	1618	87.00	10589	135.00	904	178.00	539
56.00	5427	88.00	8011	137.00	322	181.00	197
57.00	11978	90.00	137	137.00	367	210.00	41
58.00	1060	91.00	2420	141.00	3668	215.00	52
59.00	283	92.00	8068	142.00	250	243.00	89
60.00	2771	93.00	12001	143.00	4824	245.00	53
61.00	12264	94.00	29816	144.00	815	253.00	308
62.00	10341	95.00	214080	145.00	224		

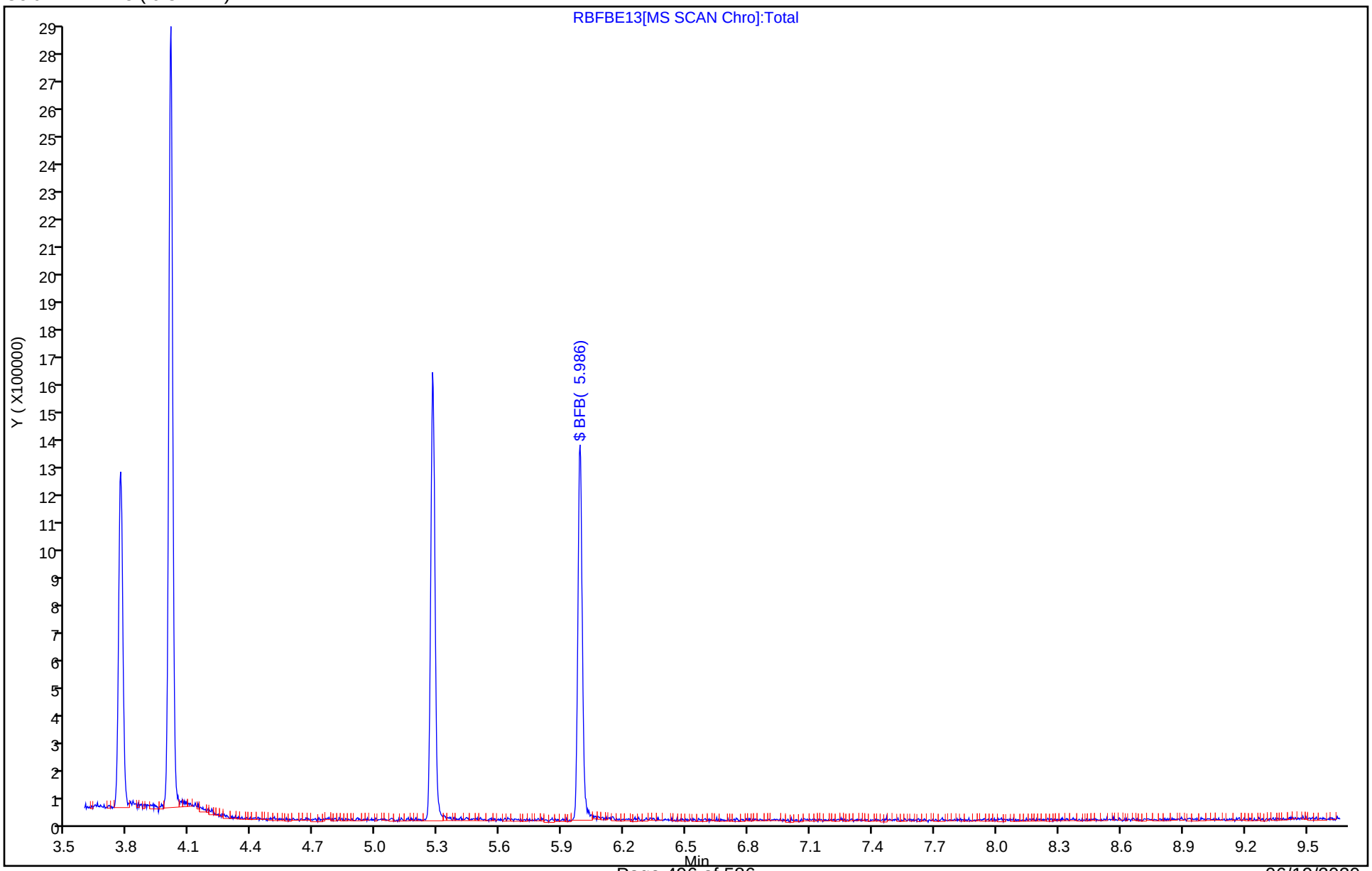
Report Date: 14-May-2020 14:47:37 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RBFBE13.D

Injection Date:	13-May-2020 07:13:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	500.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RBFBF11C.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	11-Jun-2020 12:12:30	ALS Bottle#:	16	Worklist Smp#:	10
Injection Vol:	500.0 mL	Dil. Factor:	1.0000		
Sample Info:	140-0015714-001				
Misc. Info.:	BFB				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Jun-2020 11:20:03	Calib Date:	14-May-2020 00:39:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1059				
First Level Reviewer: khachitpongpanits		Date:	12-Jun-2020 11:20:03		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
$ 5 BFB	95	5.975	5.975	0.000	0	390788	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

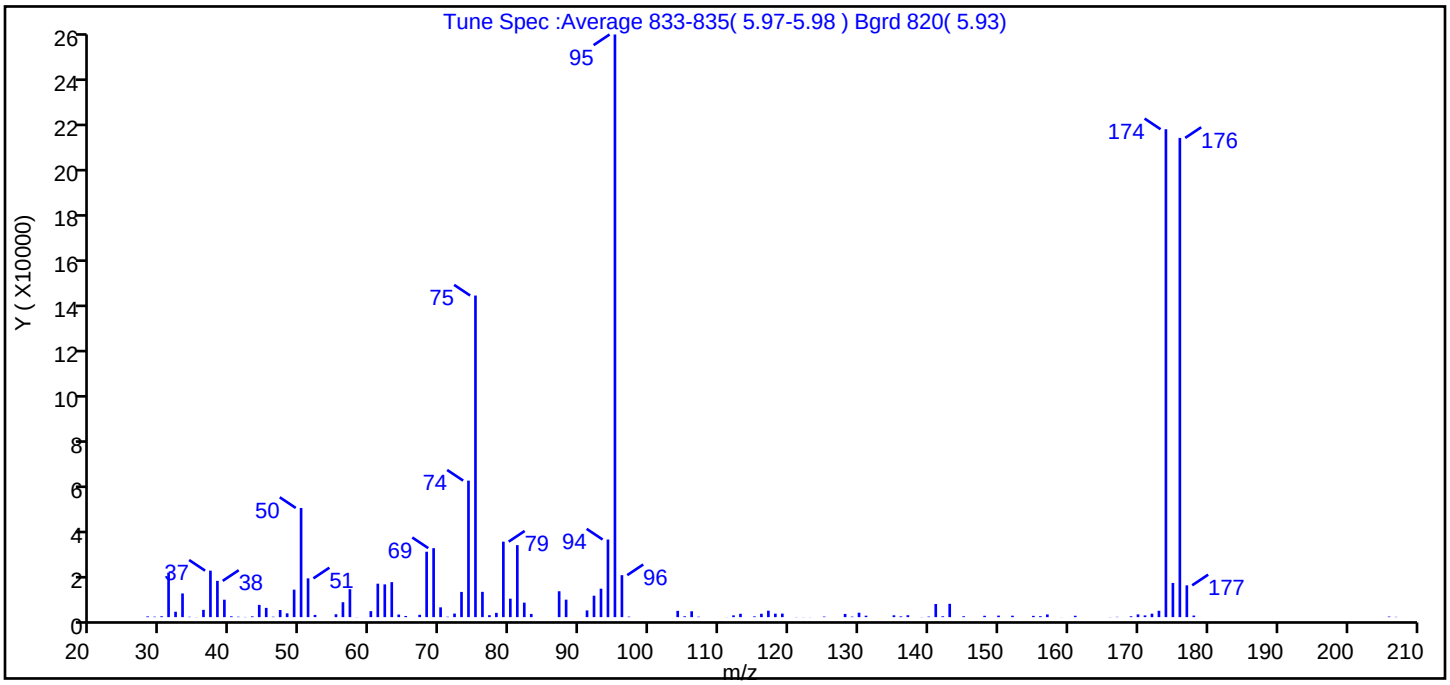
40MXSUR_00003 Amount Added: 40.00 Units: ml

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RBFBF11C.D
Injection Date: 11-Jun-2020 12:12:30 Instrument ID: MR
Lims ID: BFB
Client ID:
Operator ID: HMT ALS Bottle#: 16 Worklist Smp#: 10
Injection Vol: 500.0 mL Dil. Factor: 1.0000
Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.7
75	30 to 60% of m/z 95	55.2
96	5 to 9% of m/z 95	7.2
173	Less than 2% of m/z 174	1.1 (1.3)
174	50 to 120% of m/z 95	83.7
175	5 to 9% of m/z 174	5.9 (7.0)
176	Greater than 95% but less than 101% of m/z 174	82.2 (98.2)
177	5 to 9% of m/z 176	5.5 (6.6)

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RBFBF11C.D\MR_TO15.rslt\spectra.d
Injection Date: 11-Jun-2020 12:12:30
Spectrum: Tune Spec :Average 833-835(5.97-5.98) Bgrd 820(5.93)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 112

m/z	Y	m/z	Y	m/z	Y	m/z	Y
28.00	333	58.00	57	93.00	12577	139.00	66
29.00	201	60.00	2649	94.00	34288	140.00	245
30.00	386	61.00	14781	95.00	257408	141.00	5795
31.00	19656	62.00	14470	96.00	18552	142.00	378
32.00	2404	63.00	15459	97.00	225	143.00	5891
33.00	10461	64.00	1139	104.00	2781	145.00	391
34.00	165	65.00	518	105.00	376	148.00	600
35.00	57	67.00	1029	106.00	2606	150.00	671
36.00	3223	68.00	28904	107.00	199	152.00	632
37.00	20536	69.00	30480	111.00	47	155.00	561
38.00	16027	70.00	4328	112.00	775	156.00	411
39.00	7705	71.00	191	113.00	1490	157.00	1191
40.00	369	72.00	1576	115.00	343	159.00	36
41.00	192	73.00	11148	116.00	1490	161.00	614
42.00	87	74.00	60312	117.00	2840	166.00	65
43.00	338	75.00	142080	118.00	1534	167.00	135
44.00	5422	76.00	11179	119.00	1567	169.00	385
45.00	4094	77.00	868	121.00	71	170.00	1203
46.00	196	78.00	1898	122.00	51	171.00	769
47.00	3152	79.00	33352	123.00	47	172.00	1534
48.00	1677	80.00	8156	125.00	246	173.00	2820
49.00	12143	81.00	31808	128.00	1411	174.00	215552
50.00	48240	82.00	6408	129.00	229	175.00	15099
51.00	17136	83.00	1416	130.00	1964	176.00	211712
52.00	982	87.00	11431	131.00	641	177.00	14056
55.00	1275	88.00	7720	135.00	818	178.00	699
56.00	6596	91.00	2972	136.00	343	206.00	256
57.00	12378	92.00	9470	137.00	845	207.00	125

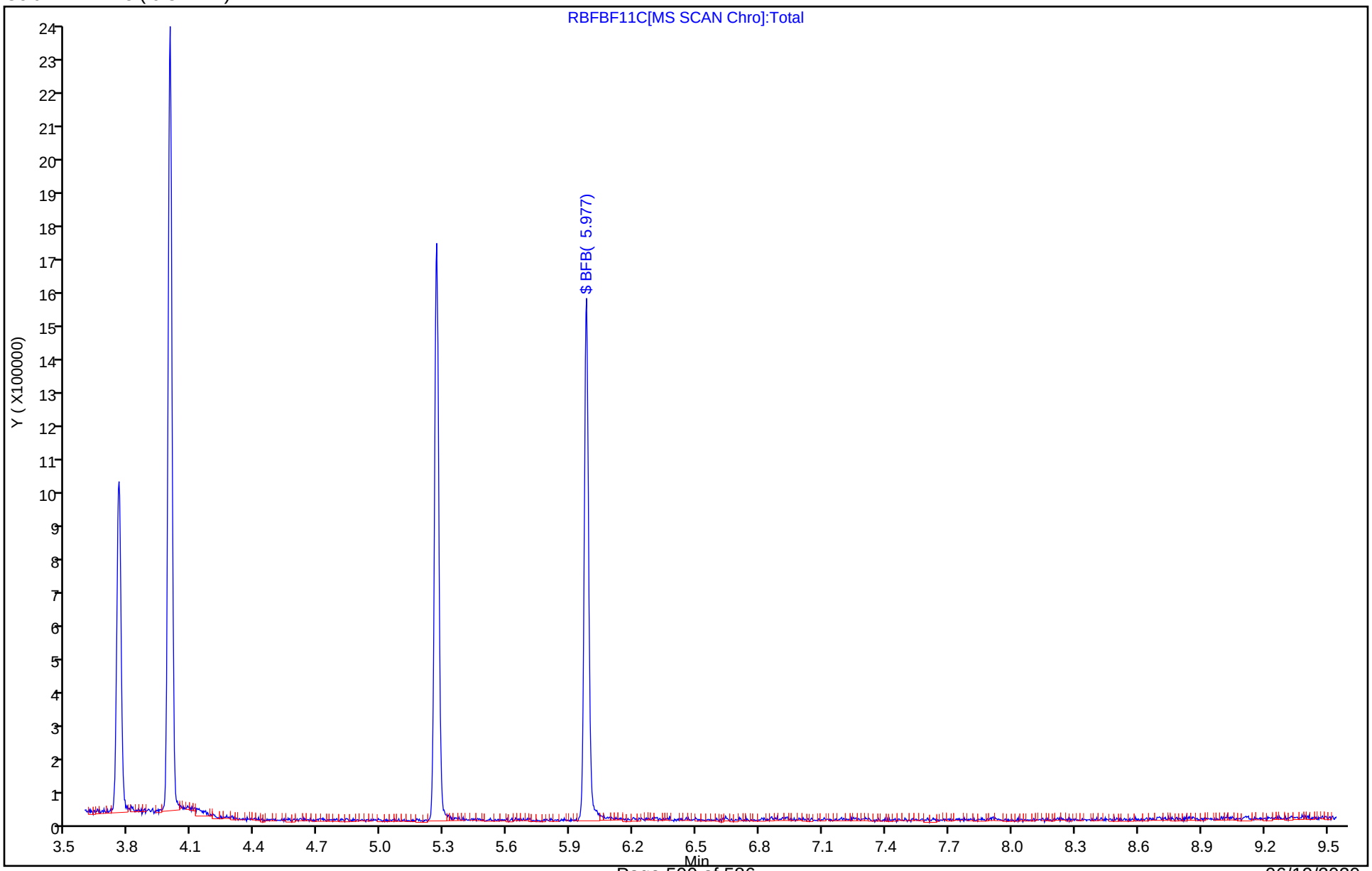
Report Date: 12-Jun-2020 11:20:04 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RBFBF11C.D

Injection Date:	11-Jun-2020 12:12:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	BFB			Worklist Smp#:	10
Client ID:					
Injection Vol:	500.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-40256/12

Matrix: Air Lab File ID: R500BF11.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/11/2020 15:48

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.: 40256 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.080	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.080	
75-34-3	1,1-Dichloroethane	98.96	ND		0.080	
75-35-4	1,1-Dichloroethene	96.94	ND		0.040	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.080	
106-93-4	1,2-Dibromoethane	187.87	ND		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.080	
107-06-2	1,2-Dichloroethane	98.96	ND		0.080	
78-87-5	1,2-Dichloropropane	112.99	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.080	
106-99-0	1,3-Butadiene	54.09	ND		0.16	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.080	
123-91-1	1,4-Dioxane	88.11	ND		0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	
78-93-3	2-Butanone	72.11	ND		0.32	
591-78-6	2-Hexanone	100.20	ND		0.20	
67-63-0	2-Propanol	60.10	ND		0.80	
107-05-1	3-Chloropropene	76.53	ND		0.080	
622-96-8	4-Ethyltoluene	120.20	ND		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.20	
67-64-1	Acetone	58.08	ND		2.0	
100-44-7	alpha-Chlorotoluene	126.58	ND		0.16	
71-43-2	Benzene	78.11	ND		0.080	
75-27-4	Bromodichloromethane	163.83	ND		0.080	
75-25-2	Bromoform	252.75	ND		0.080	
74-83-9	Bromomethane	94.94	ND		0.080	
75-15-0	Carbon disulfide	76.14	ND		0.20	
56-23-5	Carbon tetrachloride	153.81	ND		0.032	
108-90-7	Chlorobenzene	112.56	ND		0.080	
75-00-3	Chloroethane	64.52	ND		0.080	
67-66-3	Chloroform	119.38	ND		0.080	
74-87-3	Chloromethane	50.49	ND		0.20	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-40256/12

Matrix: Air Lab File ID: R500BF11.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/11/2020 15:48

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.: 40256 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.080	
98-82-8	Cumene	120.19	ND		0.16	
110-82-7	Cyclohexane	84.16	ND		0.20	
124-48-1	Dibromochloromethane	208.29	ND		0.080	
64-17-5	Ethanol	46.07	ND		2.0	
100-41-4	Ethylbenzene	106.17	ND		0.080	
75-69-4	Freon 11	137.37	ND		0.080	
76-13-1	Freon 113	187.38	ND		0.080	
75-71-8	Freon 12	120.91	ND		0.080	
76-14-2	Freon-114	170.92	ND		0.080	
142-82-5	Heptane	100.21	ND		0.20	
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	
110-54-3	Hexane	86.17	ND		0.20	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.16	
75-09-2	Methylene Chloride	84.93	ND		0.40	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.080	
95-47-6	o-Xylene	106.17	ND		0.080	
103-65-1	Propylbenzene	120.19	ND		0.16	
100-42-5	Styrene	104.15	ND		0.080	
127-18-4	Tetrachloroethene	165.83	ND		0.080	
109-99-9	Tetrahydrofuran	72.11	ND		0.40	
108-88-3	Toluene	92.14	ND		0.12	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.080	
79-01-6	Trichloroethene	131.39	ND		0.036	
75-01-4	Vinyl chloride	62.50	ND		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-40256/12

Matrix: Air Lab File ID: R500BF11.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/11/2020 15:48

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.: 40256 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.44	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.55	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.44	
75-34-3	1,1-Dichloroethane	98.96	ND		0.32	
75-35-4	1,1-Dichloroethene	96.94	ND		0.16	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.59	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.39	
106-93-4	1,2-Dibromoethane	187.87	ND		0.61	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.48	
107-06-2	1,2-Dichloroethane	98.96	ND		0.32	
78-87-5	1,2-Dichloropropane	112.99	ND		0.37	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.39	
106-99-0	1,3-Butadiene	54.09	ND		0.35	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.48	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.48	
123-91-1	1,4-Dioxane	88.11	ND		0.72	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	
78-93-3	2-Butanone	72.11	ND		0.94	
591-78-6	2-Hexanone	100.20	ND		0.82	
67-63-0	2-Propanol	60.10	ND		2.0	
107-05-1	3-Chloropropene	76.53	ND		0.25	
622-96-8	4-Ethyltoluene	120.20	ND		0.79	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.82	
67-64-1	Acetone	58.08	ND		4.8	
100-44-7	alpha-Chlorotoluene	126.58	ND		0.83	
71-43-2	Benzene	78.11	ND		0.26	
75-27-4	Bromodichloromethane	163.83	ND		0.54	
75-25-2	Bromoform	252.75	ND		0.83	
74-83-9	Bromomethane	94.94	ND		0.31	
75-15-0	Carbon disulfide	76.14	ND		0.62	
56-23-5	Carbon tetrachloride	153.81	ND		0.20	
108-90-7	Chlorobenzene	112.56	ND		0.37	
75-00-3	Chloroethane	64.52	ND		0.21	
67-66-3	Chloroform	119.38	ND		0.39	
74-87-3	Chloromethane	50.49	ND		0.41	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-40256/12

Matrix: Air Lab File ID: R500BF11.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/11/2020 15:48

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.: 40256 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.16	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.36	
98-82-8	Cumene	120.19	ND		0.79	
110-82-7	Cyclohexane	84.16	ND		0.69	
124-48-1	Dibromochloromethane	208.29	ND		0.68	
64-17-5	Ethanol	46.07	ND		3.8	
100-41-4	Ethylbenzene	106.17	ND		0.35	
75-69-4	Freon 11	137.37	ND		0.45	
76-13-1	Freon 113	187.38	ND		0.61	
75-71-8	Freon 12	120.91	ND		0.40	
76-14-2	Freon-114	170.92	ND		0.56	
142-82-5	Heptane	100.21	ND		0.82	
87-68-3	Hexachlorobutadiene	260.76	ND		0.85	
110-54-3	Hexane	86.17	ND		0.70	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.58	
75-09-2	Methylene Chloride	84.93	ND		1.4	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.35	
95-47-6	o-Xylene	106.17	ND		0.35	
103-65-1	Propylbenzene	120.19	ND		0.79	
100-42-5	Styrene	104.15	ND		0.34	
127-18-4	Tetrachloroethene	165.83	ND		0.54	
109-99-9	Tetrahydrofuran	72.11	ND		1.2	
108-88-3	Toluene	92.14	ND		0.45	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.32	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.36	
79-01-6	Trichloroethene	131.39	ND		0.19	
75-01-4	Vinyl chloride	62.50	ND		0.10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\R500BF11.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 11-Jun-2020 15:48:30 ALS Bottle#: 16 Worklist Smp#: 12
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015714-012
Misc. Info.: 500ML BLK
Operator ID: HMT Instrument ID: MR

Method: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Jun-2020 11:29:22 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1059

First Level Reviewer: khachitpongpanits Date: 12-Jun-2020 11:29:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.317	8.318	-0.001	81	142104	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.555	10.561	-0.006	93	1098532	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.392	15.398	-0.006	84	900993	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.048	17.048	0.000	95	445199	4.00	3.66	
7 Propene	41	3.335	3.330	0.005	92	12127		-0.7479	7
47 1,1,1-Trichloroethane	97	9.369	9.352	0.011	23	3019		0.0247	
A 115 Total VOC as Octane	1	12.737	(4.919-20.554)		0	2537173		4.26	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

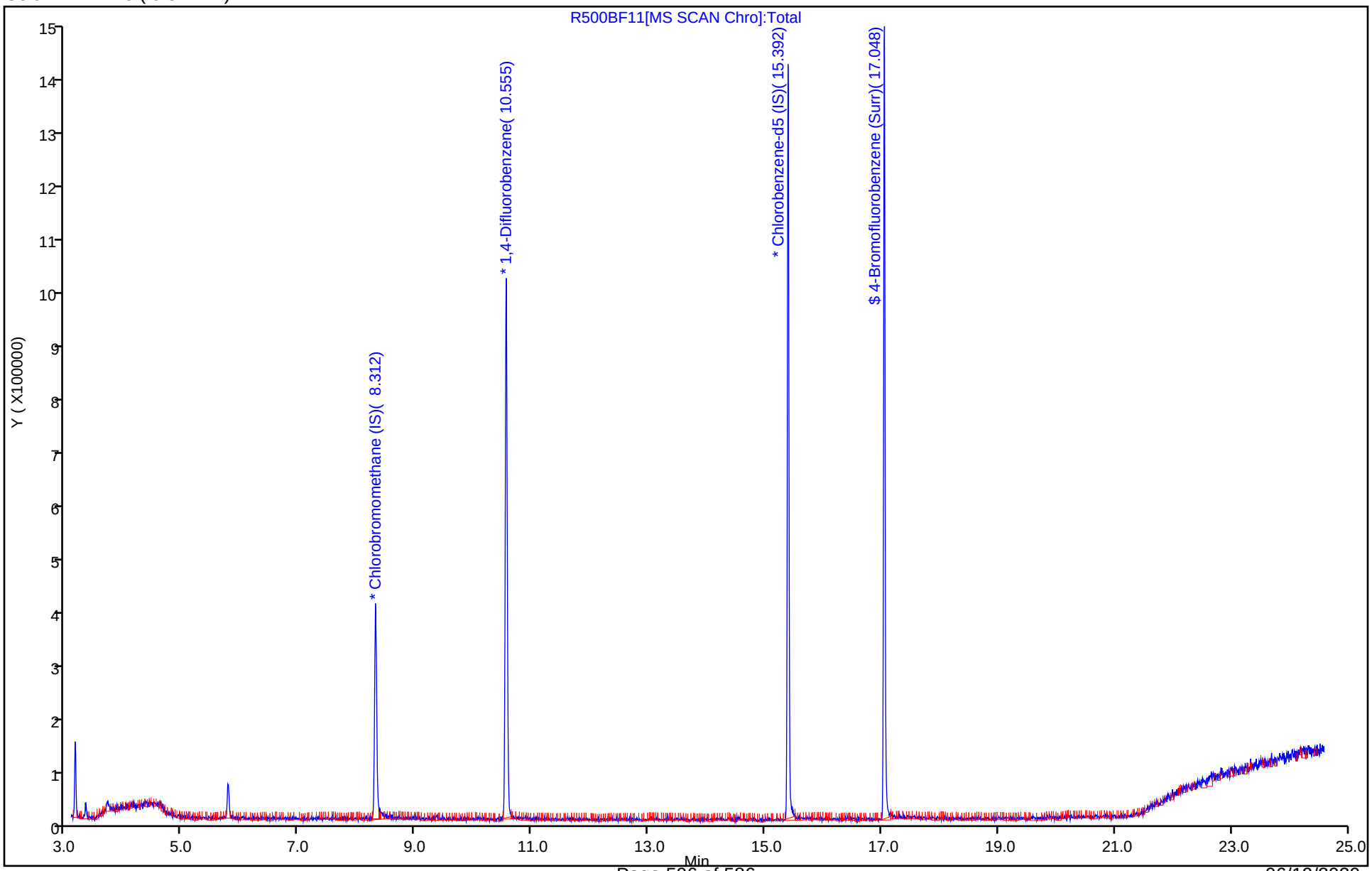
Report Date: 12-Jun-2020 11:29:22 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\R500BF11.D

Injection Date:	11-Jun-2020 15:48:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	mb			Worklist Smp#:	12
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\R500BF11.D				
Lims ID:	mb				
Client ID:					
Sample Type:	MB				
Inject. Date:	11-Jun-2020 15:48:30	ALS Bottle#:	16	Worklist Smp#:	12
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0015714-012				
Misc. Info.:	500ML BLK				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Jun-2020 11:29:22	Calib Date:	14-May-2020 00:39:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1059				

First Level Reviewer: khachitpongpanits Date: 12-Jun-2020 11:29:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.66	91.59

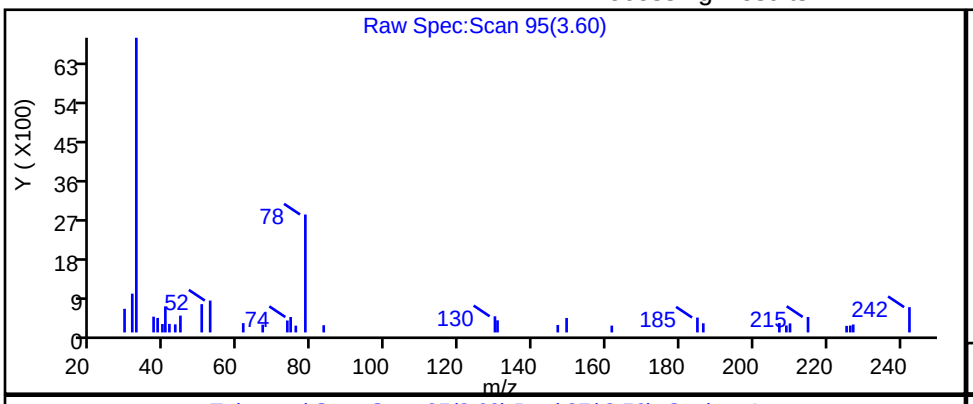
User Disabled Compound Report

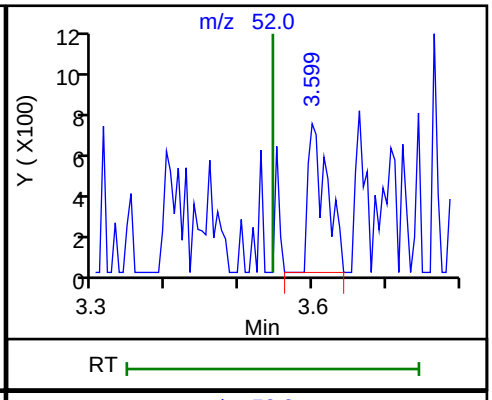
Eurofins TestAmerica, Knoxville

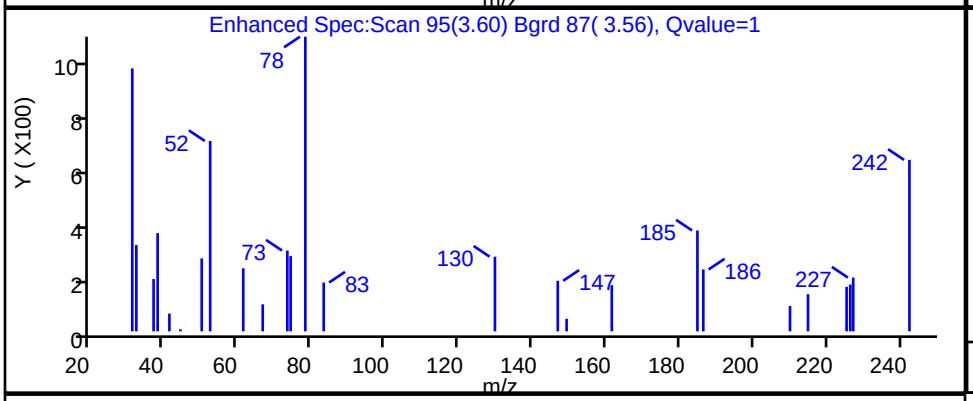
Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\R500BF11.D				
Injection Date:	11-Jun-2020 15:48:30	Instrument ID:	MR		
Lims ID:	mb				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	16	Worklist Smp#:	12
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

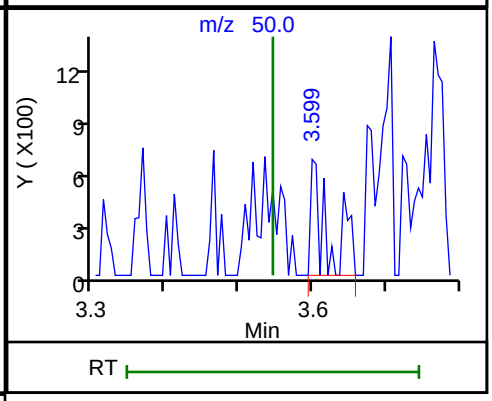
9 Chloromethane, CAS: 74-87-3

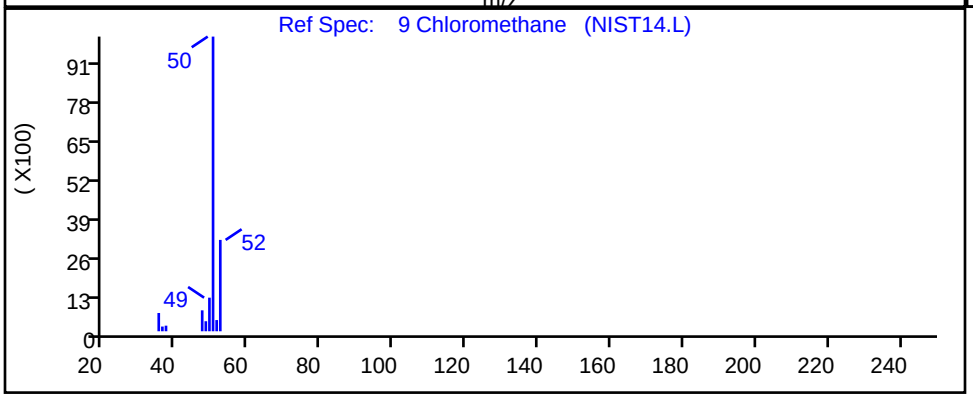
Processing Results











RT	Mass	Response	Amount
3.60	52.00	1314	0.090619
3.60	50.00	1015	

Reviewer: khachitpongpanits, 12-Jun-2020 11:25:28

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.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-40269/8

Matrix: Air Lab File ID: H500BF12.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/12/2020 11:29

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.: 40269 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.080	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.080	
75-34-3	1,1-Dichloroethane	98.96	ND		0.080	
75-35-4	1,1-Dichloroethene	96.94	ND		0.040	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.080	
106-93-4	1,2-Dibromoethane	187.87	ND		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.080	
107-06-2	1,2-Dichloroethane	98.96	ND		0.080	
78-87-5	1,2-Dichloropropane	112.99	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.080	
106-99-0	1,3-Butadiene	54.09	ND		0.16	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.080	
123-91-1	1,4-Dioxane	88.11	ND		0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	
78-93-3	2-Butanone	72.11	ND		0.32	
591-78-6	2-Hexanone	100.20	ND		0.20	
67-63-0	2-Propanol	60.10	ND		0.80	
107-05-1	3-Chloropropene	76.53	ND		0.080	
622-96-8	4-Ethyltoluene	120.20	ND		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.20	
67-64-1	Acetone	58.08	ND		2.0	
100-44-7	alpha-Chlorotoluene	126.58	ND		0.16	
71-43-2	Benzene	78.11	ND		0.080	
75-27-4	Bromodichloromethane	163.83	ND		0.080	
75-25-2	Bromoform	252.75	ND		0.080	
74-83-9	Bromomethane	94.94	ND		0.080	
75-15-0	Carbon disulfide	76.14	ND		0.20	
56-23-5	Carbon tetrachloride	153.81	ND		0.032	
108-90-7	Chlorobenzene	112.56	ND		0.080	
75-00-3	Chloroethane	64.52	ND		0.080	
67-66-3	Chloroform	119.38	ND		0.080	
74-87-3	Chloromethane	50.49	ND		0.20	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-40269/8

Matrix: Air Lab File ID: H500BF12.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/12/2020 11:29

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.: 40269 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.080	
98-82-8	Cumene	120.19	ND		0.16	
110-82-7	Cyclohexane	84.16	ND		0.20	
124-48-1	Dibromochloromethane	208.29	ND		0.080	
64-17-5	Ethanol	46.07	ND		2.0	
100-41-4	Ethylbenzene	106.17	ND		0.080	
75-69-4	Freon 11	137.37	ND		0.080	
76-13-1	Freon 113	187.38	ND		0.080	
75-71-8	Freon 12	120.91	ND		0.080	
76-14-2	Freon-114	170.92	ND		0.080	
142-82-5	Heptane	100.21	ND		0.20	
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	
110-54-3	Hexane	86.17	ND		0.20	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.16	
75-09-2	Methylene Chloride	84.93	ND		0.40	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.080	
95-47-6	o-Xylene	106.17	ND		0.080	
103-65-1	Propylbenzene	120.19	ND		0.16	
100-42-5	Styrene	104.15	ND		0.080	
127-18-4	Tetrachloroethene	165.83	ND		0.080	
109-99-9	Tetrahydrofuran	72.11	ND		0.40	
108-88-3	Toluene	92.14	ND		0.12	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.080	
79-01-6	Trichloroethene	131.39	ND		0.036	
75-01-4	Vinyl chloride	62.50	ND		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-40269/8

Matrix: Air Lab File ID: H500BF12.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/12/2020 11:29

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.: 40269 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.44	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.55	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.44	
75-34-3	1,1-Dichloroethane	98.96	ND		0.32	
75-35-4	1,1-Dichloroethene	96.94	ND		0.16	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.59	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.39	
106-93-4	1,2-Dibromoethane	187.87	ND		0.61	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.48	
107-06-2	1,2-Dichloroethane	98.96	ND		0.32	
78-87-5	1,2-Dichloropropane	112.99	ND		0.37	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.39	
106-99-0	1,3-Butadiene	54.09	ND		0.35	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.48	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.48	
123-91-1	1,4-Dioxane	88.11	ND		0.72	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	
78-93-3	2-Butanone	72.11	ND		0.94	
591-78-6	2-Hexanone	100.20	ND		0.82	
67-63-0	2-Propanol	60.10	ND		2.0	
107-05-1	3-Chloropropene	76.53	ND		0.25	
622-96-8	4-Ethyltoluene	120.20	ND		0.79	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.82	
67-64-1	Acetone	58.08	ND		4.8	
100-44-7	alpha-Chlorotoluene	126.58	ND		0.83	
71-43-2	Benzene	78.11	ND		0.26	
75-27-4	Bromodichloromethane	163.83	ND		0.54	
75-25-2	Bromoform	252.75	ND		0.83	
74-83-9	Bromomethane	94.94	ND		0.31	
75-15-0	Carbon disulfide	76.14	ND		0.62	
56-23-5	Carbon tetrachloride	153.81	ND		0.20	
108-90-7	Chlorobenzene	112.56	ND		0.37	
75-00-3	Chloroethane	64.52	ND		0.21	
67-66-3	Chloroform	119.38	ND		0.39	
74-87-3	Chloromethane	50.49	ND		0.41	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-40269/8

Matrix: Air Lab File ID: H500BF12.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/12/2020 11:29

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.: 40269 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.16	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.36	
98-82-8	Cumene	120.19	ND		0.79	
110-82-7	Cyclohexane	84.16	ND		0.69	
124-48-1	Dibromochloromethane	208.29	ND		0.68	
64-17-5	Ethanol	46.07	ND		3.8	
100-41-4	Ethylbenzene	106.17	ND		0.35	
75-69-4	Freon 11	137.37	ND		0.45	
76-13-1	Freon 113	187.38	ND		0.61	
75-71-8	Freon 12	120.91	ND		0.40	
76-14-2	Freon-114	170.92	ND		0.56	
142-82-5	Heptane	100.21	ND		0.82	
87-68-3	Hexachlorobutadiene	260.76	ND		0.85	
110-54-3	Hexane	86.17	ND		0.70	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.58	
75-09-2	Methylene Chloride	84.93	ND		1.4	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.35	
95-47-6	o-Xylene	106.17	ND		0.35	
103-65-1	Propylbenzene	120.19	ND		0.79	
100-42-5	Styrene	104.15	ND		0.34	
127-18-4	Tetrachloroethene	165.83	ND		0.54	
109-99-9	Tetrahydrofuran	72.11	ND		1.2	
108-88-3	Toluene	92.14	ND		0.45	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.32	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.36	
79-01-6	Trichloroethene	131.39	ND		0.19	
75-01-4	Vinyl chloride	62.50	ND		0.10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\H500BF12.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 12-Jun-2020 11:29:30 ALS Bottle#: 16 Worklist Smp#: 8
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015720-008
Misc. Info.: 500ML BLK
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 15-Jun-2020 10:50:24 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1051

First Level Reviewer: khachitpongpanits Date: 15-Jun-2020 10:50:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.577	8.577	0.000	96	165056	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.779	10.779	0.000	96	1200457	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.565	15.565	0.000	90	906826	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.213	17.214	-0.001	88	572696	4.00	3.76	
7 Propene	41	3.559	3.553	0.006	98	53735		0.1234	7
29 2-Methyl-2-propanol	59	5.864	5.807	0.057	92	3080		0.0231	
31 Methylene Chloride	84	6.050	6.050	0.000	99	57555		0.1788	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

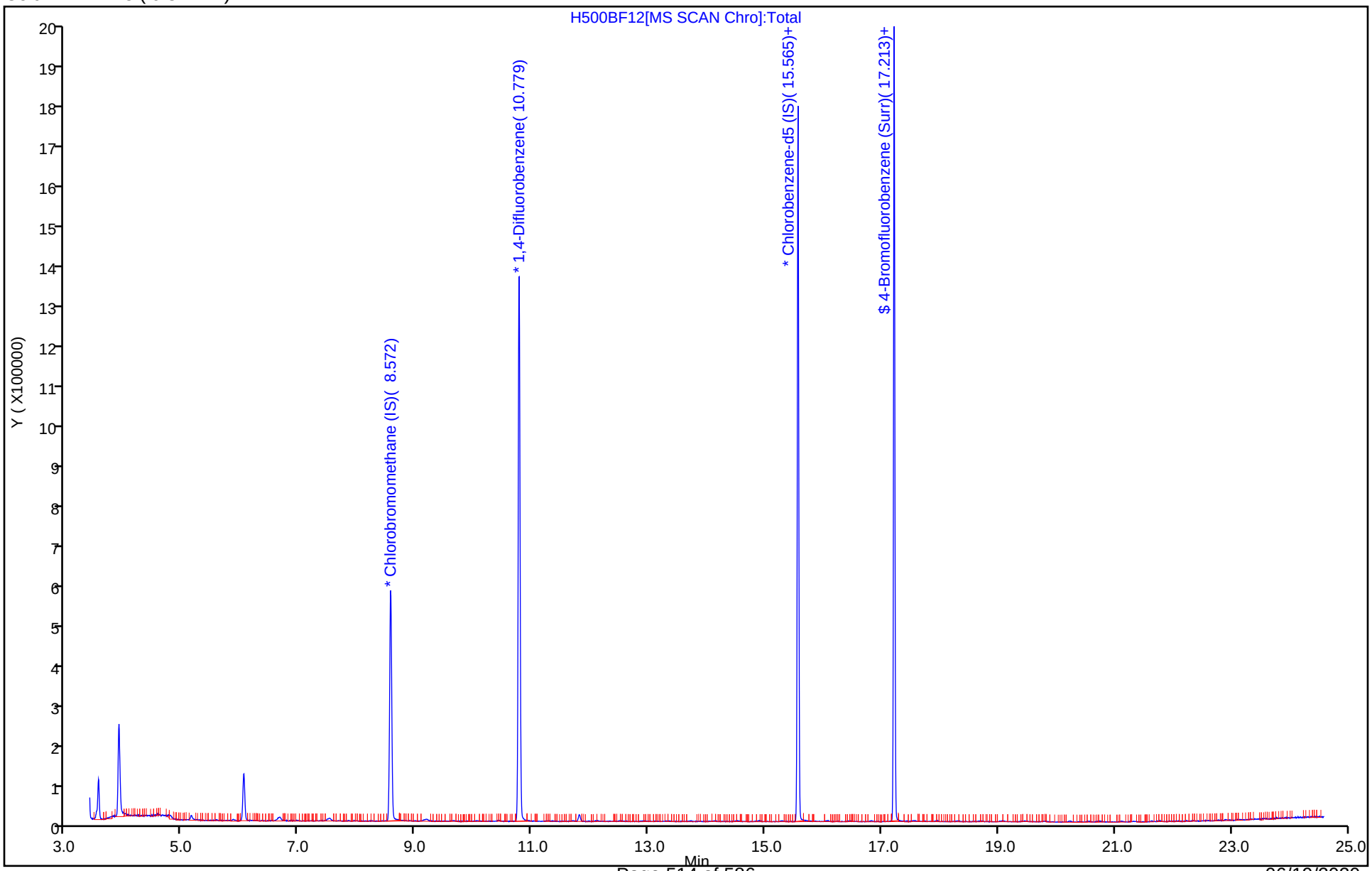
Report Date: 15-Jun-2020 10:50:24 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\H500BF12.D

Injection Date:	12-Jun-2020 11:29:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	mb			Worklist Smp#:	8
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\20200611-15720.b\H500BF12.D				
Lims ID:	mb				
Client ID:					
Sample Type:	MB				
Inject. Date:	12-Jun-2020 11:29:30	ALS Bottle#:	16	Worklist Smp#:	8
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0015720-008				
Misc. Info.:	500ML BLK				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	15-Jun-2020 10:50:24	Calib Date:	16-Apr-2020 18:34:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1051				

First Level Reviewer: khachitpongpanits Date: 15-Jun-2020 10:50:24

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.76	94.11

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-40282/5

Matrix: Air Lab File ID: H500BF15.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/15/2020 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.: 40282 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.080	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.080	
75-34-3	1,1-Dichloroethane	98.96	ND		0.080	
75-35-4	1,1-Dichloroethene	96.94	ND		0.040	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.080	
106-93-4	1,2-Dibromoethane	187.87	ND		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.080	
107-06-2	1,2-Dichloroethane	98.96	ND		0.080	
78-87-5	1,2-Dichloropropane	112.99	ND		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.080	
106-99-0	1,3-Butadiene	54.09	ND		0.16	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.080	
123-91-1	1,4-Dioxane	88.11	ND		0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.20	
78-93-3	2-Butanone	72.11	ND		0.32	
591-78-6	2-Hexanone	100.20	ND		0.20	
67-63-0	2-Propanol	60.10	ND		0.80	
107-05-1	3-Chloropropene	76.53	ND		0.080	
622-96-8	4-Ethyltoluene	120.20	ND		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.20	
67-64-1	Acetone	58.08	ND		2.0	
100-44-7	alpha-Chlorotoluene	126.58	ND		0.16	
71-43-2	Benzene	78.11	ND		0.080	
75-27-4	Bromodichloromethane	163.83	ND		0.080	
75-25-2	Bromoform	252.75	ND		0.080	
74-83-9	Bromomethane	94.94	ND		0.080	
75-15-0	Carbon disulfide	76.14	ND		0.20	
56-23-5	Carbon tetrachloride	153.81	ND		0.032	
108-90-7	Chlorobenzene	112.56	ND		0.080	
75-00-3	Chloroethane	64.52	ND		0.080	
67-66-3	Chloroform	119.38	ND		0.080	
74-87-3	Chloromethane	50.49	ND		0.20	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-40282/5

Matrix: Air Lab File ID: H500BF15.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/15/2020 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.: 40282 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.080	
98-82-8	Cumene	120.19	ND		0.16	
110-82-7	Cyclohexane	84.16	ND		0.20	
124-48-1	Dibromochloromethane	208.29	ND		0.080	
64-17-5	Ethanol	46.07	ND		2.0	
100-41-4	Ethylbenzene	106.17	ND		0.080	
75-69-4	Freon 11	137.37	ND		0.080	
76-13-1	Freon 113	187.38	ND		0.080	
75-71-8	Freon 12	120.91	ND		0.080	
76-14-2	Freon-114	170.92	ND		0.080	
142-82-5	Heptane	100.21	ND		0.20	
87-68-3	Hexachlorobutadiene	260.76	ND		0.080	
110-54-3	Hexane	86.17	ND		0.20	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.16	
75-09-2	Methylene Chloride	84.93	ND		0.40	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.080	
95-47-6	o-Xylene	106.17	ND		0.080	
103-65-1	Propylbenzene	120.19	ND		0.16	
100-42-5	Styrene	104.15	ND		0.080	
127-18-4	Tetrachloroethene	165.83	ND		0.080	
109-99-9	Tetrahydrofuran	72.11	ND		0.40	
108-88-3	Toluene	92.14	ND		0.12	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.080	
79-01-6	Trichloroethene	131.39	ND		0.036	
75-01-4	Vinyl chloride	62.50	ND		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-40282/5

Matrix: Air Lab File ID: H500BF15.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/15/2020 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.: 40282 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		0.44	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		0.55	
79-00-5	1,1,2-Trichloroethane	133.41	ND		0.44	
75-34-3	1,1-Dichloroethane	98.96	ND		0.32	
75-35-4	1,1-Dichloroethene	96.94	ND		0.16	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		0.59	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		0.39	
106-93-4	1,2-Dibromoethane	187.87	ND		0.61	
95-50-1	1,2-Dichlorobenzene	147.00	ND		0.48	
107-06-2	1,2-Dichloroethane	98.96	ND		0.32	
78-87-5	1,2-Dichloropropane	112.99	ND		0.37	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		0.39	
106-99-0	1,3-Butadiene	54.09	ND		0.35	
541-73-1	1,3-Dichlorobenzene	147.00	ND		0.48	
106-46-7	1,4-Dichlorobenzene	147.00	ND		0.48	
123-91-1	1,4-Dioxane	88.11	ND		0.72	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		0.93	
78-93-3	2-Butanone	72.11	ND		0.94	
591-78-6	2-Hexanone	100.20	ND		0.82	
67-63-0	2-Propanol	60.10	ND		2.0	
107-05-1	3-Chloropropene	76.53	ND		0.25	
622-96-8	4-Ethyltoluene	120.20	ND		0.79	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		0.82	
67-64-1	Acetone	58.08	ND		4.8	
100-44-7	alpha-Chlorotoluene	126.58	ND		0.83	
71-43-2	Benzene	78.11	ND		0.26	
75-27-4	Bromodichloromethane	163.83	ND		0.54	
75-25-2	Bromoform	252.75	ND		0.83	
74-83-9	Bromomethane	94.94	ND		0.31	
75-15-0	Carbon disulfide	76.14	ND		0.62	
56-23-5	Carbon tetrachloride	153.81	ND		0.20	
108-90-7	Chlorobenzene	112.56	ND		0.37	
75-00-3	Chloroethane	64.52	ND		0.21	
67-66-3	Chloroform	119.38	ND		0.39	
74-87-3	Chloromethane	50.49	ND		0.41	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-40282/5

Matrix: Air Lab File ID: H500BF15.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/15/2020 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.: 40282 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		0.16	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		0.36	
98-82-8	Cumene	120.19	ND		0.79	
110-82-7	Cyclohexane	84.16	ND		0.69	
124-48-1	Dibromochloromethane	208.29	ND		0.68	
64-17-5	Ethanol	46.07	ND		3.8	
100-41-4	Ethylbenzene	106.17	ND		0.35	
75-69-4	Freon 11	137.37	ND		0.45	
76-13-1	Freon 113	187.38	ND		0.61	
75-71-8	Freon 12	120.91	ND		0.40	
76-14-2	Freon-114	170.92	ND		0.56	
142-82-5	Heptane	100.21	ND		0.82	
87-68-3	Hexachlorobutadiene	260.76	ND		0.85	
110-54-3	Hexane	86.17	ND		0.70	
1634-04-4	Methyl tert-butyl ether	88.15	ND		0.58	
75-09-2	Methylene Chloride	84.93	ND		1.4	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		0.35	
95-47-6	o-Xylene	106.17	ND		0.35	
103-65-1	Propylbenzene	120.19	ND		0.79	
100-42-5	Styrene	104.15	ND		0.34	
127-18-4	Tetrachloroethene	165.83	ND		0.54	
109-99-9	Tetrahydrofuran	72.11	ND		1.2	
108-88-3	Toluene	92.14	ND		0.45	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		0.32	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		0.36	
79-01-6	Trichloroethene	131.39	ND		0.19	
75-01-4	Vinyl chloride	62.50	ND		0.10	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\H500BF15.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 15-Jun-2020 12:13:30 ALS Bottle#: 1 Worklist Smp#: 5
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015724-005
Misc. Info.: 500ML BLK
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 16-Jun-2020 11:28:24 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: khachitpongpanits Date: 16-Jun-2020 11:28:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.572	8.572	0.000	95	135515	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.774	10.779	-0.005	96	948328	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.565	15.565	0.000	91	703465	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.234	17.234	0.000	85	434879	4.00	3.68	
7 Propene	41	3.559	3.548	0.011	98	47695		0.1948	7
29 2-Methyl-2-propanol	59	5.874	5.796	0.078	94	2837		0.0259	
31 Methylene Chloride	84	6.055	6.050	0.005	97	45668		0.1520	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

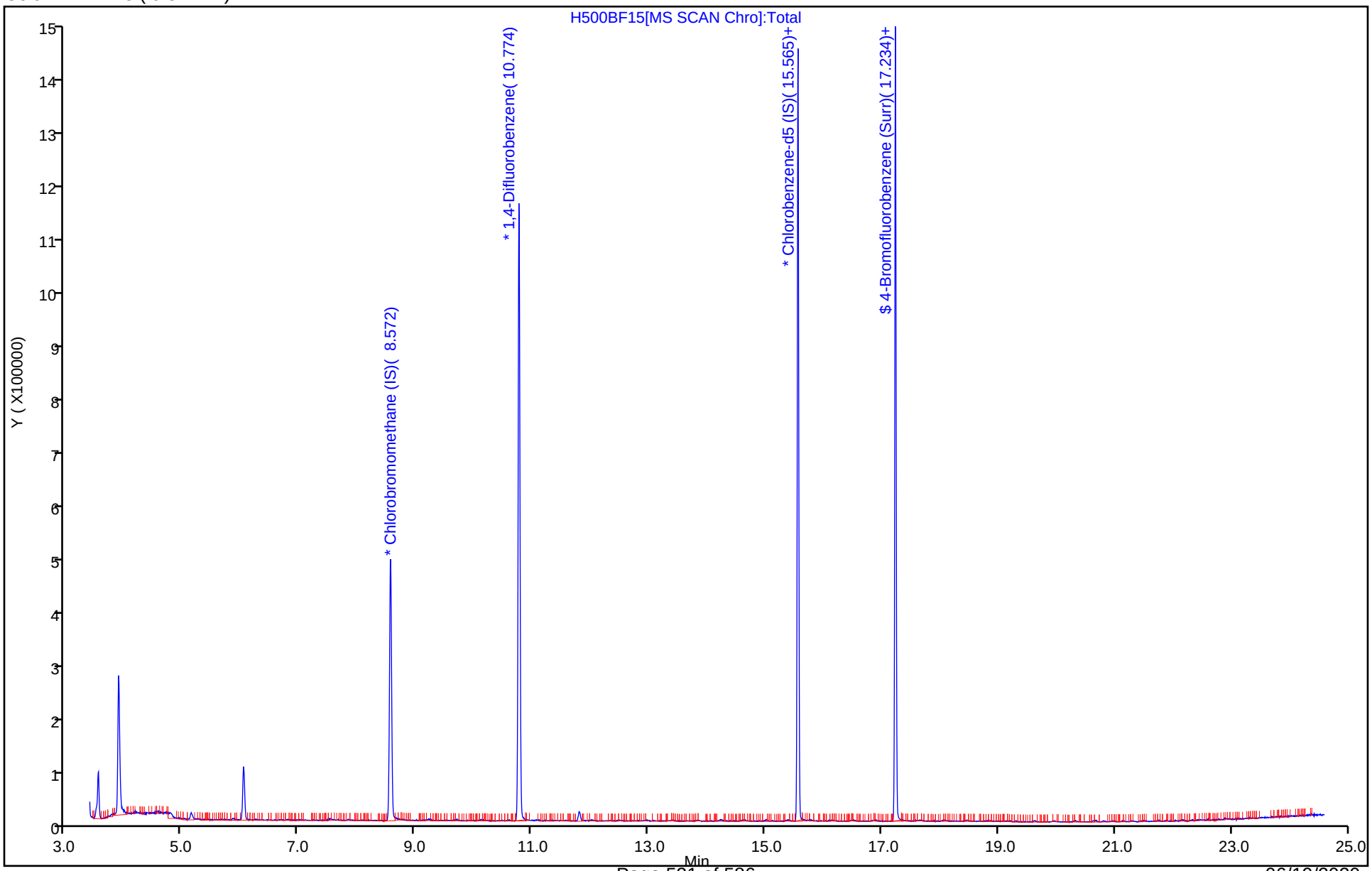
Report Date: 16-Jun-2020 11:28:24 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\H500BF15.D

Injection Date:	15-Jun-2020 12:13:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	mb			Worklist Smp#:	5
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)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MH\20200612-15724.b\H500BF15.D				
Lims ID:	mb				
Client ID:					
Sample Type:	MB				
Inject. Date:	15-Jun-2020 12:13:30	ALS Bottle#:	1	Worklist Smp#:	5
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0015724-005				
Misc. Info.:	500ML BLK				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20200612-15724.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	16-Jun-2020 11:28:24	Calib Date:	16-Apr-2020 18:34:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1015				

First Level Reviewer: khachitpongpanits Date: 16-Jun-2020 11:28:24

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.68	92.12

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-40256/1009

Matrix: Air Lab File ID: RCCVF11C-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/11/2020 12:45

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.: 40256 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	1.87		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.80		0.080	
79-00-5	1,1,2-Trichloroethane	133.41	1.76		0.080	
75-34-3	1,1-Dichloroethane	98.96	1.87		0.080	
75-35-4	1,1-Dichloroethene	96.94	1.80		0.040	
120-82-1	1,2,4-Trichlorobenzene	181.45	1.90		0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	1.77		0.080	
106-93-4	1,2-Dibromoethane	187.87	1.82		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	1.77		0.080	
107-06-2	1,2-Dichloroethane	98.96	1.96		0.080	
78-87-5	1,2-Dichloropropane	112.99	1.83		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	1.69		0.080	
106-99-0	1,3-Butadiene	54.09	1.77		0.16	
541-73-1	1,3-Dichlorobenzene	147.00	1.83		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	1.85		0.080	
123-91-1	1,4-Dioxane	88.11	1.63		0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	1.84		0.20	
78-93-3	2-Butanone	72.11	1.69		0.32	
591-78-6	2-Hexanone	100.20	1.73		0.20	
67-63-0	2-Propanol	60.10	5.03		0.80	
107-05-1	3-Chloropropene	76.53	1.78		0.080	
622-96-8	4-Ethyltoluene	120.20	1.72		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	1.80		0.20	
67-64-1	Acetone	58.08	4.67		2.0	
100-44-7	alpha-Chlorotoluene	126.58	1.97		0.16	
71-43-2	Benzene	78.11	1.81		0.080	
75-27-4	Bromodichloromethane	163.83	1.86		0.080	
75-25-2	Bromoform	252.75	2.14		0.080	
74-83-9	Bromomethane	94.94	1.66		0.080	
75-15-0	Carbon disulfide	76.14	1.92		0.20	
56-23-5	Carbon tetrachloride	153.81	2.04		0.032	
108-90-7	Chlorobenzene	112.56	1.78		0.080	
75-00-3	Chloroethane	64.52	1.66		0.080	
67-66-3	Chloroform	119.38	1.98		0.080	
74-87-3	Chloromethane	50.49	1.62		0.20	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-40256/1009

Matrix: Air Lab File ID: RCCVF11C-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/11/2020 12:45

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.: 40256 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	1.96		0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	1.98		0.080	
98-82-8	Cumene	120.19	1.70		0.16	
110-82-7	Cyclohexane	84.16	1.79		0.20	
124-48-1	Dibromochloromethane	208.29	1.91		0.080	
64-17-5	Ethanol	46.07	7.94		2.0	
100-41-4	Ethylbenzene	106.17	1.87		0.080	
75-69-4	Freon 11	137.37	1.90		0.080	
76-13-1	Freon 113	187.38	1.84		0.080	
75-71-8	Freon 12	120.91	2.50		0.080	
76-14-2	Freon-114	170.92	2.63		0.080	
142-82-5	Heptane	100.21	1.84		0.20	
87-68-3	Hexachlorobutadiene	260.76	1.79		0.080	
110-54-3	Hexane	86.17	1.83		0.20	
1634-04-4	Methyl tert-butyl ether	88.15	1.86		0.16	
75-09-2	Methylene Chloride	84.93	2.01		0.40	
179601-23-1	m-Xylene & p-Xylene	106.17	3.44		0.080	
95-47-6	o-Xylene	106.17	1.70		0.080	
103-65-1	Propylbenzene	120.19	1.77		0.16	
100-42-5	Styrene	104.15	1.84		0.080	
127-18-4	Tetrachloroethene	165.83	1.81		0.080	
109-99-9	Tetrahydrofuran	72.11	1.97		0.40	
108-88-3	Toluene	92.14	1.81		0.12	
156-60-5	trans-1,2-Dichloroethene	96.94	1.88		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	1.85		0.080	
79-01-6	Trichloroethene	131.39	1.93		0.036	
75-01-4	Vinyl chloride	62.50	1.79		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		60-140

Eurofins Environment Testing America
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RCCVF11C-LCS.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 11-Jun-2020 12:45:30 ALS Bottle#: 9 Worklist Smp#: 1009
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015714-009
Misc. Info.: P116 80ML
Operator ID: HMT Instrument ID: MR

Method: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 12-Jun-2020 11:22:30 Calib Date: 14-May-2020 00:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1059

First Level Reviewer: khachitpongpanits Date: 12-Jun-2020 11:22:30

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	8.318	8.318	0.000	82	177756	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.561	10.561	0.000	93	1222146	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.398	15.398	0.000	83	1052535	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.048	17.048	0.000	95	581059	4.00	4.09	
6 Chlorodifluoromethane	51	3.319	3.319	0.000	98	185225	1.60	2.06	
7 Propene	41	3.330	3.330	0.000	97	136472	1.60	1.97	
8 Dichlorodifluoromethane	85	3.378	3.378	0.000	98	239786	1.60	2.50	
9 Chloromethane	52	3.545	3.545	0.000	59	29443	1.60	1.62	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.551	3.551	0.000	88	250217	1.60	2.63	
11 Acetaldehyde	44	3.691	3.691	0.000	80	243650	8.00	7.95	
12 Vinyl chloride	62	3.707	3.707	0.000	99	138961	1.60	1.79	
13 Butane	43	3.783	3.783	0.000	86	201000	1.60	1.73	
14 Butadiene	54	3.788	3.788	0.000	75	93831	1.60	1.77	
15 Bromomethane	94	4.079	4.079	0.000	97	150827	1.60	1.66	
16 Chloroethane	64	4.219	4.219	0.000	88	67809	1.60	1.66	
17 Ethanol	31	4.322	4.322	0.000	95	386088	8.00	7.94	
18 Vinyl bromide	106	4.494	4.494	0.000	95	166091	1.60	1.69	
19 2-Methylbutane	43	4.543	4.543	0.000	93	156221	1.60	1.71	
20 Trichlorofluoromethane	101	4.748	4.748	0.000	97	433569	1.60	1.90	
21 Acrolein	56	4.769	4.769	0.000	86	34092	1.60	2.02	
22 Acetonitrile	40	4.834	4.834	0.000	95	41523	1.60	1.63	
23 Acetone	58	4.877	4.877	0.000	98	148202	4.80	4.67	
24 Pentane	72	4.969	4.969	0.000	93	22657	1.60	1.85	
25 Isopropyl alcohol	45	4.969	4.969	0.000	93	430228	4.80	5.03	
26 Ethyl ether	31	5.125	5.125	0.000	90	151019	1.60	1.70	
27 1,1-Dichloroethene	96	5.438	5.438	0.000	93	129504	1.60	1.80	
28 Acrylonitrile	53	5.546	5.546	0.000	47	58921	1.60	1.91	
29 2-Methyl-2-propanol	59	5.562	5.562	0.000	93	195826	1.60	1.79	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.611	5.611	0.000	94	289647	1.60	1.84	
31 Methylene Chloride	84	5.778	5.778	0.000	90	146836	1.60	2.01	
32 3-Chloro-1-propene	39	5.799	5.799	0.000	94	121341	1.60	1.78	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Carbon disulfide	76	5.934	5.934	0.000	97	351987	1.60	1.92	
34 trans-1,2-Dichloroethene	96	6.581	6.581	0.000	86	128621	1.60	1.88	
35 2-Methylpentane	43	6.603	6.603	0.000	93	237094	1.60	1.74	
36 Methyl tert-butyl ether	73	6.711	6.711	0.000	95	309590	1.60	1.86	
37 1,1-Dichloroethane	63	6.996	6.996	0.000	99	202471	1.60	1.87	
38 Vinyl acetate	43	7.110	7.110	0.000	99	285119	1.60	1.81	
39 2-Butanone (MEK)	72	7.557	7.557	0.000	98	52631	1.60	1.69	
40 Hexane	56	7.579	7.579	0.000	86	71911	1.60	1.83	
41 Isopropyl ether	45	7.746	7.746	0.000	91	349194	1.60	1.78	
42 cis-1,2-Dichloroethene	96	7.989	7.989	0.000	84	132940	1.60	1.96	
43 Ethyl acetate	43	8.177	8.177	0.000	96	261613	1.60	1.88	
44 Chloroform	83	8.334	8.334	0.000	83	274455	1.60	1.98	
45 Tert-butyl ethyl ether	59	8.425	8.425	0.000	95	312624	1.60	1.86	
46 Tetrahydrofuran	42	8.727	8.727	0.000	95	125683	1.60	1.97	
47 1,1,1-Trichloroethane	97	9.358	9.358	0.000	93	285856	1.60	1.87	
48 1,2-Dichloroethane	62	9.488	9.488	0.000	95	153973	1.60	1.96	
49 n-Butanol	31	9.962	9.962	0.000	44	71727	1.60	1.70	
50 Cyclohexane	69	9.973	9.973	0.000	72	51118	1.60	1.79	
51 Benzene	78	9.978	9.978	0.000	93	353570	1.60	1.81	
52 Carbon tetrachloride	117	10.000	10.000	0.000	92	335617	1.60	2.04	
53 2,3-Dimethylpentane	71	10.113	10.113	0.000	88	76140	1.60	1.77	
54 Thiophene	84	10.264	10.264	0.000	91	200811	1.60	1.97	
55 Isooctane	57	10.776	10.776	0.000	93	440972	1.60	1.84	
56 n-Heptane	71	11.175	11.175	0.000	93	114342	1.60	1.84	
57 1,2-Dichloropropane	63	11.262	11.262	0.000	89	125805	1.60	1.83	
58 Trichloroethene	130	11.294	11.294	0.000	93	197379	1.60	1.93	
59 Dibromomethane	93	11.380	11.380	0.000	92	178075	1.60	1.93	
60 Dichlorobromomethane	83	11.537	11.537	0.000	96	280267	1.60	1.86	
61 1,4-Dioxane	88	11.542	11.542	0.000	39	50778	1.60	1.63	
62 Methyl methacrylate	41	11.639	11.639	0.000	92	144289	1.60	1.74	
63 Methylcyclohexane	83	12.087	12.087	0.000	92	199371	1.60	1.86	
64 4-Methyl-2-pentanone (MIBK)	43	12.513	12.513	0.000	97	283079	1.60	1.80	
65 cis-1,3-Dichloropropene	75	12.572	12.572	0.000	93	210453	1.60	1.98	
66 trans-1,3-Dichloropropene	75	13.289	13.289	0.000	96	178473	1.60	1.85	
67 Toluene	91	13.403	13.403	0.000	93	425704	1.60	1.81	
68 1,1,2-Trichloroethane	83	13.483	13.483	0.000	93	130839	1.60	1.76	
69 2-Hexanone	58	13.877	13.877	0.000	94	118439	1.60	1.73	
70 n-Octane	85	14.114	14.114	0.000	87	131065	1.60	1.87	
71 Chlorodibromomethane	129	14.190	14.190	0.000	94	336584	1.60	1.91	
72 Ethylene Dibromide	107	14.486	14.486	0.000	95	252529	1.60	1.82	
73 Tetrachloroethene	129	14.562	14.562	0.000	92	175939	1.60	1.81	
74 Chlorobenzene	112	15.446	15.446	0.000	97	361878	1.60	1.78	
75 2,3-Dimethylheptane	43	15.473	15.473	0.000	92	362569	1.60	1.64	
76 Ethylbenzene	91	15.737	15.737	0.000	97	584779	1.60	1.87	
77 m-Xylene & p-Xylene	91	15.905	15.905	0.000	96	856571	3.20	3.44	
78 n-Nonane	57	16.331	16.331	0.000	86	181570	1.60	1.60	
79 Bromoform	173	16.347	16.347	0.000	91	301733	1.60	2.14	
80 Styrene	104	16.363	16.363	0.000	96	325793	1.60	1.84	
81 o-Xylene	91	16.428	16.428	0.000	98	436105	1.60	1.70	
82 1,1,2,2-Tetrachloroethane	83	16.751	16.751	0.000	98	364238	1.60	1.80	
83 1,2,3-Trichloropropane	110	16.913	16.913	0.000	93	100366	1.60	1.70	
84 Isopropylbenzene	105	17.021	17.021	0.000	96	670386	1.60	1.70	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	120	17.565	17.565	0.000	100	191870	1.60	1.77	
86 2-Chlorotoluene	126	17.609	17.609	0.000	96	201894	1.60	1.80	
87 4-Ethyltoluene	105	17.727	17.727	0.000	99	678882	1.60	1.72	
88 1,3,5-Trimethylbenzene	120	17.803	17.803	0.000	93	281645	1.60	1.69	
89 Alpha Methyl Styrene	118	18.040	18.040	0.000	93	282476	1.60	1.89	
90 n-Decane	57	18.105	18.105	0.000	87	253956	1.60	1.62	
91 tert-Butylbenzene	119	18.234	18.234	0.000	95	621699	1.60	1.72	
92 1,2,4-Trimethylbenzene	105	18.250	18.250	0.000	95	585817	1.60	1.77	
93 sec-Butylbenzene	105	18.514	18.514	0.000	98	880604	1.60	1.75	
94 1,3-Dichlorobenzene	146	18.525	18.525	0.000	95	443485	1.60	1.83	
95 Benzyl chloride	91	18.601	18.601	0.000	99	451850	1.60	1.97	
96 1,4-Dichlorobenzene	146	18.612	18.612	0.000	95	424988	1.60	1.85	
97 4-Isopropyltoluene	119	18.682	18.682	0.000	97	750359	1.60	1.84	
98 1,2,3-Trimethylbenzene	105	18.730	18.730	0.000	98	580744	1.60	1.75	
99 Butylcyclohexane	83	18.789	18.789	0.000	93	417690	1.60	1.67	
101 1,2-Dichlorobenzene	146	18.978	18.978	0.000	84	435643	1.60	1.77	
100 2,3-Dihydroindene	117	18.978	18.978	0.000	94	570101	1.60	1.72	
102 Indene	116	19.113	19.113	0.000	92	490075	1.60	1.91	
103 n-Butylbenzene	91	19.124	19.124	0.000	95	734413	1.60	1.80	
104 Undecane	57	19.442	19.442	0.000	87	313363	1.60	1.64	
105 1,2-Dibromo-3-Chloropropane	157	19.593	19.593	0.000	91	234851	1.60	2.13	
106 1,2,4,5-Tetramethylbenzene	119	19.884	19.884	0.000	99	695418	1.60	1.83	
107 Dodecane	57	20.504	20.504	0.000	85	300852	1.60	1.63	
108 1,2,4-Trichlorobenzene	180	20.688	20.688	0.000	94	303793	1.60	1.90	
109 Naphthalene	128	20.822	20.822	0.000	99	794526	1.60	1.99	
110 Hexachlorobutadiene	225	21.044	21.044	0.000	88	299709	1.60	1.79	
111 1,2,3-Trichlorobenzene	180	21.108	21.108	0.000	93	317688	1.60	1.82	
112 2-Methylnaphthalene	142	21.842	21.842	0.000	98	406626	1.60	1.30	
113 1-Methylnaphthalene	142	21.976	21.976	0.000	99	627322	1.60	1.63	
A 116 C8 Range	1	14.101	(14.066-14.163)		0	1154293	1.60	1.74	
S 117 Xylenes, Total	100				0		4.80	5.15	
S 118 1,2-Dichloroethene, Total	1				0		3.20	3.84	

Reagents:

40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent
40CV101P_00116	Amount Added: 80.00	Units: ml	

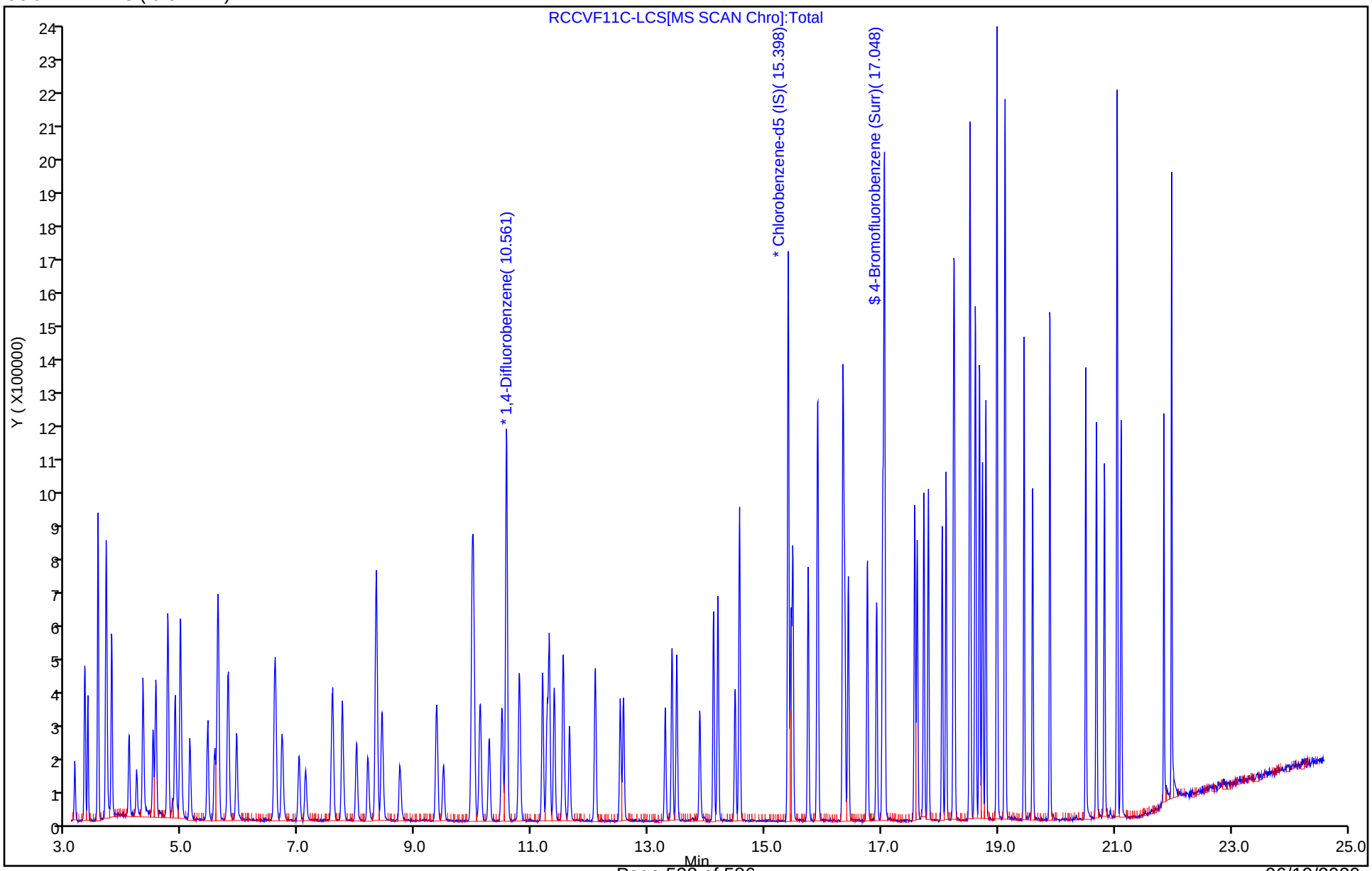
Report Date: 12-Jun-2020 11:22:34 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins Environment Testing America

Data File: \\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RCCVF11C-LCS.d

Injection Date:	11-Jun-2020 12:45:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	LCS			Worklist Smp#:	1009
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins Environment Testing America
Recovery Report

Data File:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\RCCVF11C-LCS.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	11-Jun-2020 12:45:30	ALS Bottle#:	9	Worklist Smp#:	1009
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0015714-009				
Misc. Info.:	P116 80ML				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromfs\Knoxville\ChromData\MR\20200611-15714.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	12-Jun-2020 11:22:30	Calib Date:	14-May-2020 00:39:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MR\20200513-15465.b\RE13TEST.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1059				

First Level Reviewer: khachitpongpanits Date: 12-Jun-2020 11:22:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	4.09	102.33

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-40269/1002

Matrix: Air Lab File ID: HCCVF12-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/12/2020 08:09

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.: 40269 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	1.59		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.44		0.080	
79-00-5	1,1,2-Trichloroethane	133.41	1.39		0.080	
75-34-3	1,1-Dichloroethane	98.96	1.40		0.080	
75-35-4	1,1-Dichloroethene	96.94	1.23		0.040	
120-82-1	1,2,4-Trichlorobenzene	181.45	1.82		0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	1.65		0.080	
106-93-4	1,2-Dibromoethane	187.87	1.40		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	1.66		0.080	
107-06-2	1,2-Dichloroethane	98.96	1.48		0.080	
78-87-5	1,2-Dichloropropane	112.99	1.27		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	1.42		0.080	
106-99-0	1,3-Butadiene	54.09	1.56		0.16	
541-73-1	1,3-Dichlorobenzene	147.00	1.62		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	1.62		0.080	
123-91-1	1,4-Dioxane	88.11	1.01		0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	1.24		0.20	
78-93-3	2-Butanone	72.11	1.23		0.32	
591-78-6	2-Hexanone	100.20	1.25		0.20	
67-63-0	2-Propanol	60.10	4.23		0.80	
107-05-1	3-Chloropropene	76.53	1.49		0.080	
622-96-8	4-Ethyltoluene	120.20	1.48		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	1.37		0.20	
67-64-1	Acetone	58.08	4.34		2.0	
100-44-7	alpha-Chlorotoluene	126.58	1.58		0.16	
71-43-2	Benzene	78.11	1.24		0.080	
75-27-4	Bromodichloromethane	163.83	1.50		0.080	
75-25-2	Bromoform	252.75	1.81		0.080	
74-83-9	Bromomethane	94.94	1.56		0.080	
75-15-0	Carbon disulfide	76.14	1.43		0.20	
56-23-5	Carbon tetrachloride	153.81	1.65		0.032	
108-90-7	Chlorobenzene	112.56	1.35		0.080	
75-00-3	Chloroethane	64.52	1.64		0.080	
67-66-3	Chloroform	119.38	1.57		0.080	
74-87-3	Chloromethane	50.49	1.61		0.20	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-40269/1002

Matrix: Air Lab File ID: HCCVF12-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/12/2020 08:09

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.: 40269 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	1.25		0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	1.40		0.080	
98-82-8	Cumene	120.19	1.45		0.16	
110-82-7	Cyclohexane	84.16	1.19		0.20	
124-48-1	Dibromochloromethane	208.29	1.65		0.080	
64-17-5	Ethanol	46.07	8.54		2.0	
100-41-4	Ethylbenzene	106.17	1.35		0.080	
75-69-4	Freon 11	137.37	1.74		0.080	
76-13-1	Freon 113	187.38	1.54		0.080	
75-71-8	Freon 12	120.91	1.75		0.080	
76-14-2	Freon-114	170.92	1.54		0.080	
142-82-5	Heptane	100.21	1.15		0.20	
87-68-3	Hexachlorobutadiene	260.76	1.77		0.080	
110-54-3	Hexane	86.17	1.47		0.20	
1634-04-4	Methyl tert-butyl ether	88.15	1.39		0.16	
75-09-2	Methylene Chloride	84.93	1.60		0.40	
179601-23-1	m-Xylene & p-Xylene	106.17	3.08		0.080	
95-47-6	o-Xylene	106.17	1.57		0.080	
103-65-1	Propylbenzene	120.19	1.35		0.16	
100-42-5	Styrene	104.15	1.42		0.080	
127-18-4	Tetrachloroethene	165.83	1.38		0.080	
109-99-9	Tetrahydrofuran	72.11	1.33		0.40	
108-88-3	Toluene	92.14	1.27		0.12	
156-60-5	trans-1,2-Dichloroethene	96.94	1.32		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	1.34		0.080	
79-01-6	Trichloroethene	131.39	1.25		0.036	
75-01-4	Vinyl chloride	62.50	1.44		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	118		60-140

Eurofins Environment Testing America
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HCCVF12-LCS.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 12-Jun-2020 08:09:30 ALS Bottle#: 1 Worklist Smp#: 1002
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015720-002
Misc. Info.: P116 80ML
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 15-Jun-2020 10:46:54 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1051

First Level Reviewer: khachitpongpanits Date: 15-Jun-2020 10:46:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.577	8.577	0.000	93	148005	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.779	10.779	0.000	96	1110205	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.565	15.565	0.000	91	874458	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.214	17.214	0.000	89	690245	4.00	4.71	
6 Chlorodifluoromethane	51	3.538	3.538	0.000	96	260626	1.60	1.67	
7 Propene	41	3.553	3.553	0.000	100	132960	1.60	1.67	
8 Dichlorodifluoromethane	85	3.600	3.600	0.000	100	421049	1.60	1.75	
9 Chloromethane	52	3.776	3.776	0.000	54	42172	1.60	1.61	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.781	3.781	0.000	95	246829	1.60	1.54	
11 Acetaldehyde	44	3.920	3.920	0.000	100	231683	8.00	7.94	
12 Vinyl chloride	62	3.936	3.936	0.000	99	123309	1.60	1.44	
13 Butane	43	4.019	4.019	0.000	81	164752	1.60	1.62	
14 Butadiene	54	4.019	4.019	0.000	74	91232	1.60	1.56	
15 Bromomethane	94	4.329	4.329	0.000	97	141469	1.60	1.56	
16 Chloroethane	64	4.468	4.468	0.000	96	59784	1.60	1.64	
17 Ethanol	31	4.561	4.561	0.000	93	225500	8.00	8.54	
18 Vinyl bromide	106	4.753	4.753	0.000	96	126174	1.60	1.55	
19 2-Methylbutane	43	4.794	4.794	0.000	88	126025	1.60	1.69	
20 Trichlorofluoromethane	101	5.011	5.011	0.000	99	374348	1.60	1.74	
21 Acrolein	56	5.021	5.021	0.000	94	33370	1.60	1.33	
22 Acetonitrile	40	5.089	5.089	0.000	99	48316	1.60	1.67	
23 Acetone	58	5.135	5.135	0.000	99	144501	4.80	4.34	
25 Isopropyl alcohol	45	5.218	5.218	0.000	93	418716	4.80	4.23	
24 Pentane	72	5.223	5.223	0.000	96	13305	1.60	1.43	
26 Ethyl ether	31	5.388	5.388	0.000	93	90714	1.60	1.41	
27 1,1-Dichloroethene	96	5.704	5.704	0.000	94	88432	1.60	1.23	
29 2-Methyl-2-propanol	59	5.807	5.807	0.000	96	167543	1.60	1.40	
28 Acrylonitrile	53	5.812	5.812	0.000	94	83755	1.60	1.53	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.879	5.879	0.000	91	257535	1.60	1.54	
31 Methylene Chloride	84	6.050	6.050	0.000	96	143753	1.60	1.60	
32 3-Chloro-1-propene	39	6.065	6.065	0.000	96	90622	1.60	1.49	

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	6.205	6.205	0.000	99	307967	1.60	1.43	
34 trans-1,2-Dichloroethene	96	6.846	6.846	0.000	93	93704	1.60	1.32	
35 2-Methylpentane	43	6.861	6.861	0.000	94	200080	1.60	1.42	
36 Methyl tert-butyl ether	73	6.965	6.965	0.000	95	230437	1.60	1.39	
37 1,1-Dichloroethane	63	7.264	7.264	0.000	99	198073	1.60	1.40	
38 Vinyl acetate	43	7.368	7.368	0.000	99	243167	1.60	1.38	
39 2-Butanone (MEK)	72	7.812	7.812	0.000	95	38729	1.60	1.23	
40 Hexane	56	7.833	7.833	0.000	87	78372	1.60	1.47	
41 Isopropyl ether	45	7.988	7.988	0.000	95	329075	1.60	1.44	
42 cis-1,2-Dichloroethene	96	8.246	8.246	0.000	98	92799	1.60	1.25	
43 Ethyl acetate	43	8.427	8.427	0.000	99	227885	1.60	1.43	
44 Chloroform	83	8.587	8.587	0.000	98	274129	1.60	1.57	
45 Tert-butyl ethyl ether	59	8.665	8.665	0.000	97	280074	1.60	1.41	
46 Tetrahydrofuran	42	8.980	8.980	0.000	91	96735	1.60	1.33	
47 1,1,1-Trichloroethane	97	9.611	9.611	0.000	96	258885	1.60	1.59	
48 1,2-Dichloroethane	62	9.725	9.725	0.000	97	174277	1.60	1.48	
49 n-Butanol	31	10.179	10.179	0.000	80	24618	1.60	0.9858	
50 Cyclohexane	69	10.216	10.216	0.000	69	38011	1.60	1.19	
51 Benzene	78	10.221	10.221	0.000	97	298820	1.60	1.24	
52 Carbon tetrachloride	117	10.241	10.241	0.000	95	287633	1.60	1.65	
53 2,3-Dimethylpentane	71	10.340	10.340	0.000	88	54173	1.60	1.18	
54 Thiophene	84	10.500	10.500	0.000	96	166551	1.60	1.23	
55 Isooctane	57	10.991	10.991	0.000	97	456530	1.60	1.24	
56 n-Heptane	71	11.384	11.384	0.000	91	78142	1.60	1.15	
57 1,2-Dichloropropane	63	11.466	11.466	0.000	87	125461	1.60	1.27	
58 Trichloroethene	130	11.502	11.502	0.000	88	123191	1.60	1.25	
59 Dibromomethane	93	11.590	11.590	0.000	87	167971	1.60	1.39	
60 Dichlorobromomethane	83	11.740	11.740	0.000	97	283167	1.60	1.50	
61 1,4-Dioxane	88	11.751	11.751	0.000	91	35375	1.60	1.01	
62 Methyl methacrylate	41	11.833	11.833	0.000	90	121022	1.60	1.36	
63 Methylcyclohexane	83	12.278	12.278	0.000	91	144987	1.60	1.07	
64 4-Methyl-2-pentanone (MIBK)	43	12.691	12.691	0.000	98	235713	1.60	1.37	
65 cis-1,3-Dichloropropene	75	12.758	12.758	0.000	97	179429	1.60	1.40	
66 trans-1,3-Dichloropropene	75	13.461	13.461	0.000	97	139476	1.60	1.34	
67 Toluene	91	13.580	13.580	0.000	92	321877	1.60	1.27	
68 1,1,2-Trichloroethane	83	13.658	13.658	0.000	94	127780	1.60	1.39	
69 2-Hexanone	58	14.045	14.045	0.000	91	100042	1.60	1.25	
70 n-Octane	85	14.278	14.278	0.000	94	88021	1.60	1.30	
71 Chlorodibromomethane	129	14.366	14.366	0.000	95	266989	1.60	1.65	
72 Ethylene Dibromide	107	14.655	14.655	0.000	96	211441	1.60	1.40	
73 Tetrachloroethene	129	14.733	14.733	0.000	87	128822	1.60	1.38	
74 Chlorobenzene	112	15.611	15.611	0.000	91	273991	1.60	1.35	
75 2,3-Dimethylheptane	43	15.632	15.632	0.000	94	346653	1.60	1.51	
76 Ethylbenzene	91	15.906	15.906	0.000	100	426651	1.60	1.35	
77 m-Xylene & p-Xylene	91	16.066	16.066	0.000	99	741382	3.20	3.08	
78 n-Nonane	57	16.490	16.490	0.000	92	217195	1.60	1.40	
79 Bromoform	173	16.516	16.516	0.000	90	300717	1.60	1.81	
80 Styrene	104	16.531	16.531	0.000	98	256694	1.60	1.42	
81 o-Xylene	91	16.593	16.593	0.000	97	391652	1.60	1.57	
82 1,1,2,2-Tetrachloroethane	83	16.919	16.919	0.000	98	343301	1.60	1.44	
83 1,2,3-Trichloropropane	110	17.079	17.079	0.000	97	81047	1.60	1.54	
84 Isopropylbenzene	105	17.182	17.182	0.000	98	487618	1.60	1.45	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	120	17.746	17.746	0.000	98	116889	1.60	1.35	
86 2-Chlorotoluene	126	17.792	17.792	0.000	97	128064	1.60	1.52	
87 4-Ethyltoluene	105	17.906	17.906	0.000	98	490804	1.60	1.48	
88 1,3,5-Trimethylbenzene	120	17.984	17.984	0.000	91	196876	1.60	1.42	
89 Alpha Methyl Styrene	118	18.232	18.232	0.000	84	181743	1.60	1.37	
90 n-Decane	57	18.289	18.289	0.000	90	338210	1.60	1.56	
91 tert-Butylbenzene	119	18.433	18.433	0.000	87	462343	1.60	1.56	
92 1,2,4-Trimethylbenzene	105	18.449	18.449	0.000	96	485938	1.60	1.65	
93 sec-Butylbenzene	105	18.718	18.718	0.000	98	671480	1.60	1.58	
94 1,3-Dichlorobenzene	146	18.728	18.728	0.000	97	316756	1.60	1.62	
95 Benzyl chloride	91	18.811	18.811	0.000	96	393822	1.60	1.58	
96 1,4-Dichlorobenzene	146	18.821	18.821	0.000	93	300702	1.60	1.62	
97 4-Isopropyltoluene	119	18.888	18.888	0.000	96	534698	1.60	1.64	
98 1,2,3-Trimethylbenzene	105	18.940	18.940	0.000	99	484741	1.60	1.65	
99 Butylcyclohexane	83	18.997	18.997	0.000	91	393831	1.60	1.56	
101 2,3-Dihydroindene	117	19.198	19.198	0.000	92	444258	1.60	1.60	
100 1,2-Dichlorobenzene	146	19.198	19.198	0.000	83	326448	1.60	1.66	
102 Indene	116	19.333	19.333	0.000	94	382437	1.60	1.55	
103 n-Butylbenzene	91	19.343	19.343	0.000	96	672862	1.60	1.61	
104 Undecane	57	19.668	19.668	0.000	95	389784	1.60	1.59	
105 1,2-Dibromo-3-Chloropropane	157	19.829	19.829	0.000	94	176817	1.60	1.63	
106 1,2,4,5-Tetramethylbenzene	119	20.123	20.123	0.000	95	500381	1.60	1.41	
107 Dodecane	57	20.759	20.759	0.000	94	375069	1.60	1.55	
108 1,2,4-Trichlorobenzene	180	20.961	20.961	0.000	92	222974	1.60	1.82	
109 Naphthalene	128	21.110	21.110	0.000	99	504325	1.60	1.80	
110 Hexachlorobutadiene	225	21.333	21.333	0.000	90	299667	1.60	1.77	
111 1,2,3-Trichlorobenzene	180	21.405	21.405	0.000	94	238401	1.60	1.73	
112 2-Methylnaphthalene	142	22.061	22.061	0.000	97	147708	1.60	1.54	
113 1-Methylnaphthalene	142	22.185	22.185	0.000	95	258791	1.60	2.17	
A 115 C8 Range	1	14.278	(14.237-14.319)		0	1019579	1.60	1.41	
S 116 Xylenes, Total	100				0		4.80	4.65	
S 117 1,2-Dichloroethene, Total	1				0		3.20	2.57	

Reagents:

40CV101P_00116	Amount Added: 80.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

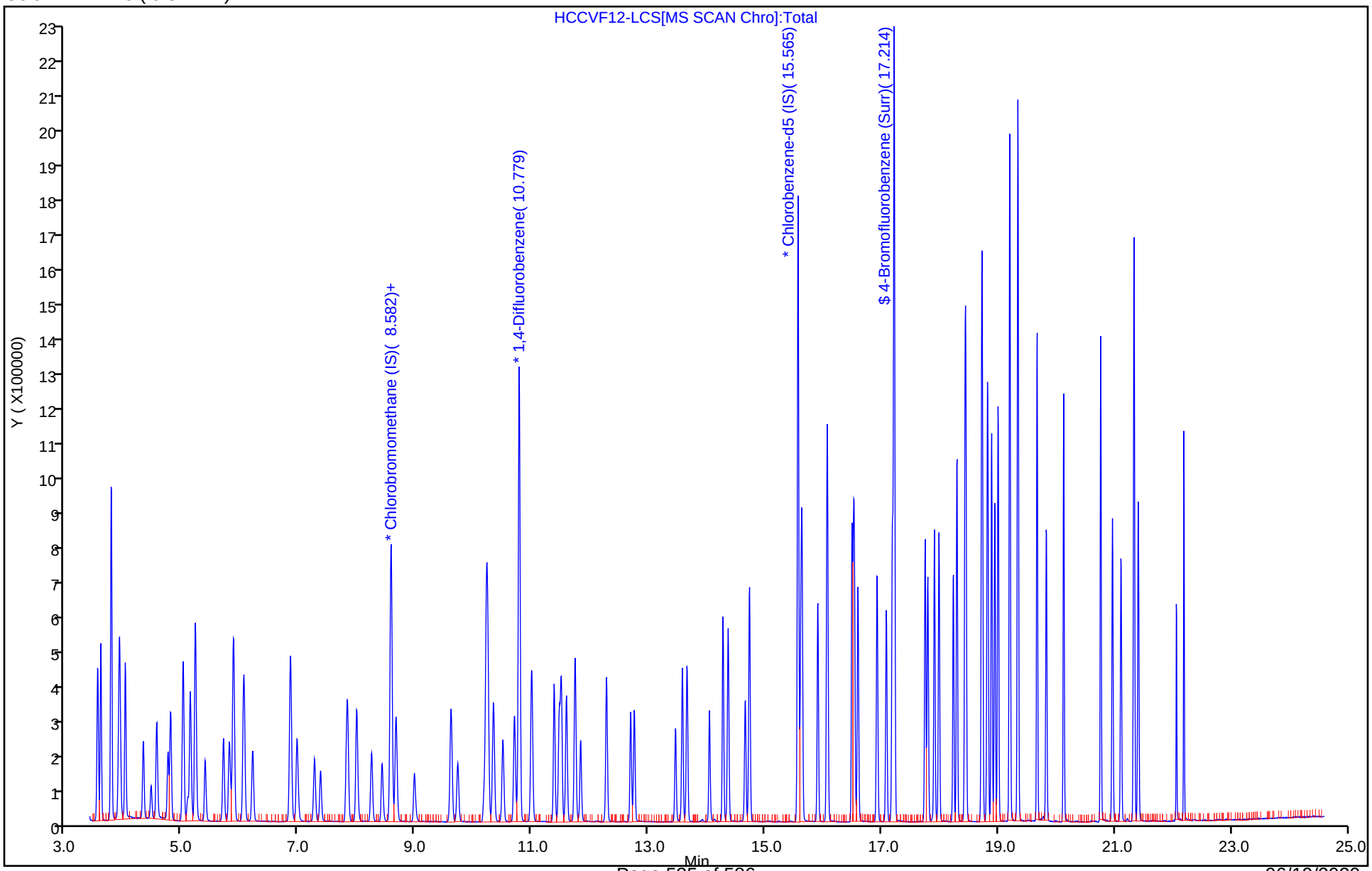
Report Date: 15-Jun-2020 10:46:57 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins Environment Testing America

Data File: \\chromfs\Knoxville\ChromData\MH\20200611-15720.b\HCCVF12-LCS.d

Injection Date:	12-Jun-2020 08:09:30	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#:	1
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\20200611-15720.b\HCCVF12-LCS.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	12-Jun-2020 08:09:30	ALS Bottle#:	1	Worklist Smp#:	1002
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0015720-002				
Misc. Info.:	P116 80ML				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20200611-15720.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	15-Jun-2020 10:46:54	Calib Date:	16-Apr-2020 18:34:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1051				

First Level Reviewer: khachitpongpanits Date: 15-Jun-2020 10:46:54

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	4.71	117.63

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-40282/1002

Matrix: Air Lab File ID: HCCVF15-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/15/2020 08:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40282 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	1.97		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.74		0.080	
79-00-5	1,1,2-Trichloroethane	133.41	1.71		0.080	
75-34-3	1,1-Dichloroethane	98.96	1.75		0.080	
75-35-4	1,1-Dichloroethene	96.94	1.54		0.040	
120-82-1	1,2,4-Trichlorobenzene	181.45	2.16		0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	1.97		0.080	
106-93-4	1,2-Dibromoethane	187.87	1.70		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	1.98		0.080	
107-06-2	1,2-Dichloroethane	98.96	1.83		0.080	
78-87-5	1,2-Dichloropropane	112.99	1.56		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	1.67		0.080	
106-99-0	1,3-Butadiene	54.09	1.99		0.16	
541-73-1	1,3-Dichlorobenzene	147.00	1.93		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	1.93		0.080	
123-91-1	1,4-Dioxane	88.11	1.24		0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	1.56		0.20	
78-93-3	2-Butanone	72.11	1.54		0.32	
591-78-6	2-Hexanone	100.20	1.56		0.20	
67-63-0	2-Propanol	60.10	5.32		0.80	
107-05-1	3-Chloropropene	76.53	1.86		0.080	
622-96-8	4-Ethyltoluene	120.20	1.81		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	1.76		0.20	
67-64-1	Acetone	58.08	5.53		2.0	
100-44-7	alpha-Chlorotoluene	126.58	1.93		0.16	
71-43-2	Benzene	78.11	1.54		0.080	
75-27-4	Bromodichloromethane	163.83	1.82		0.080	
75-25-2	Bromoform	252.75	2.13		0.080	
74-83-9	Bromomethane	94.94	1.97		0.080	
75-15-0	Carbon disulfide	76.14	1.79		0.20	
56-23-5	Carbon tetrachloride	153.81	2.01		0.032	
108-90-7	Chlorobenzene	112.56	1.63		0.080	
75-00-3	Chloroethane	64.52	2.02		0.080	
67-66-3	Chloroform	119.38	1.92		0.080	
74-87-3	Chloromethane	50.49	2.15		0.20	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-40282/1002

Matrix: Air Lab File ID: HCCVF15-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 06/15/2020 08:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 40282 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	1.57		0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	1.72		0.080	
98-82-8	Cumene	120.19	1.73		0.16	
110-82-7	Cyclohexane	84.16	1.50		0.20	
124-48-1	Dibromochloromethane	208.29	1.99		0.080	
64-17-5	Ethanol	46.07	11.1		2.0	
100-41-4	Ethylbenzene	106.17	1.67		0.080	
75-69-4	Freon 11	137.37	2.10		0.080	
76-13-1	Freon 113	187.38	1.89		0.080	
75-71-8	Freon 12	120.91	2.19		0.080	
76-14-2	Freon-114	170.92	2.02		0.080	
142-82-5	Heptane	100.21	1.39		0.20	
87-68-3	Hexachlorobutadiene	260.76	2.09		0.080	
110-54-3	Hexane	86.17	1.87		0.20	
1634-04-4	Methyl tert-butyl ether	88.15	1.73		0.16	
75-09-2	Methylene Chloride	84.93	1.99		0.40	
179601-23-1	m-Xylene & p-Xylene	106.17	3.77		0.080	
95-47-6	o-Xylene	106.17	1.90		0.080	
103-65-1	Propylbenzene	120.19	1.60		0.16	
100-42-5	Styrene	104.15	1.67		0.080	
127-18-4	Tetrachloroethene	165.83	1.66		0.080	
109-99-9	Tetrahydrofuran	72.11	1.69		0.40	
108-88-3	Toluene	92.14	1.54		0.12	
156-60-5	trans-1,2-Dichloroethene	96.94	1.65		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	1.66		0.080	
79-01-6	Trichloroethene	131.39	1.48		0.036	
75-01-4	Vinyl chloride	62.50	1.84		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	116		60-140

Eurofins Environment Testing America
Target Compound Quantitation Report

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HCCVF15-LCS.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 15-Jun-2020 08:55:30 ALS Bottle#: 1 Worklist Smp#: 1002
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015720-006
Misc. Info.: P116 80ML
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 16-Jun-2020 11:23:39 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1015

First Level Reviewer: khachitpongpanits Date: 16-Jun-2020 11:23:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.572	8.572	0.000	93	129005	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.779	10.779	0.000	96	974841	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.565	15.565	0.000	91	764384	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.234	17.234	0.000	87	594535	4.00	4.64	
6 Chlorodifluoromethane	51	3.538	3.538	0.000	97	284283	1.60	2.09	
7 Propene	41	3.548	3.548	0.000	98	136297	1.60	2.10	
8 Dichlorodifluoromethane	85	3.600	3.600	0.000	100	459033	1.60	2.19	
9 Chloromethane	52	3.770	3.770	0.000	59	49112	1.60	2.15	
10 1,2-Dichloro-1,1,2,2-tetrafluoro	135	3.776	3.776	0.000	95	281891	1.60	2.02	
11 Acetaldehyde	44	3.920	3.920	0.000	99	275335	8.00	10.8	
12 Vinyl chloride	62	3.936	3.936	0.000	99	137615	1.60	1.84	
13 Butane	43	4.019	4.019	0.000	81	190469	1.60	2.15	
14 Butadiene	54	4.019	4.019	0.000	72	101353	1.60	1.99	
15 Bromomethane	94	4.329	4.329	0.000	97	155344	1.60	1.97	
16 Chloroethane	64	4.463	4.463	0.000	96	64368	1.60	2.02	
17 Ethanol	31	4.556	4.556	0.000	93	255126	8.00	11.1	
18 Vinyl bromide	106	4.752	4.752	0.000	96	140602	1.60	1.98	
19 2-Methylbutane	43	4.794	4.794	0.000	89	139570	1.60	2.14	
20 Trichlorofluoromethane	101	5.011	5.011	0.000	99	394281	1.60	2.10	
21 Acrolein	56	5.021	5.021	0.000	93	36224	1.60	1.65	
22 Acetonitrile	40	5.088	5.088	0.000	100	55410	1.60	2.19	
23 Acetone	58	5.130	5.130	0.000	99	160575	4.80	5.53	
25 Isopropyl alcohol	45	5.212	5.212	0.000	93	456860	4.80	5.32	
24 Pentane	72	5.228	5.228	0.000	97	14880	1.60	1.83	
26 Ethyl ether	31	5.388	5.388	0.000	93	104687	1.60	1.86	
27 1,1-Dichloroethene	96	5.703	5.703	0.000	93	96854	1.60	1.54	
29 2-Methyl-2-propanol	59	5.796	5.796	0.000	97	180951	1.60	1.74	
28 Acrylonitrile	53	5.812	5.812	0.000	94	90831	1.60	1.91	
30 1,1,2-Trichloro-1,2,2-trifluoroe	101	5.869	5.869	0.000	90	274941	1.60	1.89	
31 Methylene Chloride	84	6.050	6.050	0.000	95	147148	1.60	1.99	
32 3-Chloro-1-propene	39	6.060	6.060	0.000	96	98527	1.60	1.86	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
33 Carbon disulfide	76	6.205	6.205	0.000	99	337268	1.60	1.79	
34 trans-1,2-Dichloroethene	96	6.846	6.846	0.000	95	102472	1.60	1.65	
35 2-Methylpentane	43	6.856	6.856	0.000	95	227917	1.60	1.86	
36 Methyl tert-butyl ether	73	6.965	6.965	0.000	96	250936	1.60	1.73	
37 1,1-Dichloroethane	63	7.264	7.264	0.000	99	215662	1.60	1.75	
38 Vinyl acetate	43	7.368	7.368	0.000	99	279810	1.60	1.82	
39 2-Butanone (MEK)	72	7.812	7.812	0.000	95	42374	1.60	1.54	
40 Hexane	56	7.828	7.828	0.000	90	86867	1.60	1.87	
41 Isopropyl ether	45	7.988	7.988	0.000	96	362291	1.60	1.82	
42 cis-1,2-Dichloroethene	96	8.241	8.241	0.000	98	101591	1.60	1.57	
43 Ethyl acetate	43	8.427	8.427	0.000	98	251296	1.60	1.81	
44 Chloroform	83	8.587	8.587	0.000	98	292921	1.60	1.92	
45 Tert-butyl ethyl ether	59	8.665	8.665	0.000	98	307853	1.60	1.77	
46 Tetrahydrofuran	42	8.975	8.975	0.000	92	107185	1.60	1.69	
47 1,1,1-Trichloroethane	97	9.606	9.606	0.000	96	279045	1.60	1.97	
48 1,2-Dichloroethane	62	9.724	9.724	0.000	97	188686	1.60	1.83	
49 n-Butanol	31	10.179	10.179	0.000	86	27683	1.60	1.26	
50 Cyclohexane	69	10.215	10.215	0.000	76	42231	1.60	1.50	
51 Benzene	78	10.215	10.215	0.000	98	327369	1.60	1.54	
52 Carbon tetrachloride	117	10.241	10.241	0.000	94	307680	1.60	2.01	
53 2,3-Dimethylpentane	71	10.339	10.339	0.000	89	57523	1.60	1.43	
54 Thiophene	84	10.495	10.495	0.000	96	174152	1.60	1.47	
55 Isooctane	57	10.991	10.991	0.000	97	501572	1.60	1.56	
56 n-Heptane	71	11.378	11.378	0.000	91	83089	1.60	1.39	
57 1,2-Dichloropropane	63	11.461	11.461	0.000	87	135739	1.60	1.56	
58 Trichloroethene	130	11.497	11.497	0.000	90	128241	1.60	1.48	
59 Dibromomethane	93	11.585	11.585	0.000	86	175326	1.60	1.65	
60 Dichlorobromomethane	83	11.735	11.735	0.000	97	302036	1.60	1.82	
61 1,4-Dioxane	88	11.750	11.750	0.000	94	38395	1.60	1.24	
62 Methyl methacrylate	41	11.833	11.833	0.000	90	139945	1.60	1.79	
63 Methylcyclohexane	83	12.278	12.278	0.000	91	155291	1.60	1.29	
64 4-Methyl-2-pentanone (MIBK)	43	12.691	12.691	0.000	97	265757	1.60	1.76	
65 cis-1,3-Dichloropropene	75	12.753	12.753	0.000	98	193887	1.60	1.72	
66 trans-1,3-Dichloropropene	75	13.461	13.461	0.000	97	151434	1.60	1.66	
67 Toluene	91	13.580	13.580	0.000	93	343595	1.60	1.54	
68 1,1,2-Trichloroethane	83	13.658	13.658	0.000	93	137305	1.60	1.71	
69 2-Hexanone	58	14.045	14.045	0.000	90	109226	1.60	1.56	
70 n-Octane	85	14.278	14.278	0.000	94	93697	1.60	1.58	
71 Chlorodibromomethane	129	14.366	14.366	0.000	95	281953	1.60	1.99	
72 Ethylene Dibromide	107	14.660	14.660	0.000	95	225706	1.60	1.70	
73 Tetrachloroethene	129	14.733	14.733	0.000	87	135654	1.60	1.66	
74 Chlorobenzene	112	15.611	15.611	0.000	91	290162	1.60	1.63	
75 2,3-Dimethylheptane	43	15.632	15.632	0.000	93	381695	1.60	1.90	
76 Ethylbenzene	91	15.906	15.906	0.000	99	461769	1.60	1.67	
77 m-Xylene & p-Xylene	91	16.066	16.066	0.000	99	793542	3.20	3.77	
78 n-Nonane	57	16.490	16.490	0.000	92	238039	1.60	1.76	
79 Bromoform	173	16.516	16.516	0.000	89	309795	1.60	2.13	
80 Styrene	104	16.531	16.531	0.000	97	265135	1.60	1.67	
81 o-Xylene	91	16.593	16.593	0.000	98	413977	1.60	1.90	
82 1,1,2,2-Tetrachloroethane	83	16.934	16.934	0.000	98	363822	1.60	1.74	
83 1,2,3-Trichloropropane	110	17.100	17.100	0.000	97	82172	1.60	1.78	
84 Isopropylbenzene	105	17.203	17.203	0.000	98	510816	1.60	1.73	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
85 N-Propylbenzene	120	17.777	17.777	0.000	98	121220	1.60	1.60	
86 2-Chlorotoluene	126	17.823	17.823	0.000	97	131670	1.60	1.79	
87 4-Ethyltoluene	105	17.932	17.932	0.000	98	525231	1.60	1.81	
88 1,3,5-Trimethylbenzene	120	18.015	18.015	0.000	90	202626	1.60	1.67	
89 Alpha Methyl Styrene	118	18.257	18.257	0.000	84	194244	1.60	1.68	
90 n-Decane	57	18.319	18.319	0.000	90	362896	1.60	1.91	
91 tert-Butylbenzene	119	18.459	18.459	0.000	87	481707	1.60	1.86	
92 1,2,4-Trimethylbenzene	105	18.469	18.469	0.000	96	508523	1.60	1.97	
93 sec-Butylbenzene	105	18.738	18.738	0.000	97	714543	1.60	1.92	
94 1,3-Dichlorobenzene	146	18.754	18.754	0.000	96	328876	1.60	1.93	
95 Benzyl chloride	91	18.831	18.831	0.000	96	421426	1.60	1.93	
96 1,4-Dichlorobenzene	146	18.847	18.847	0.000	94	313125	1.60	1.93	
97 4-Isopropyltoluene	119	18.909	18.909	0.000	96	558205	1.60	1.96	
98 1,2,3-Trimethylbenzene	105	18.960	18.960	0.000	99	511155	1.60	1.99	
99 Butylcyclohexane	83	19.017	19.017	0.000	92	420199	1.60	1.91	
101 2,3-Dihydroindene	117	19.219	19.219	0.000	92	472144	1.60	1.95	
100 1,2-Dichlorobenzene	146	19.219	19.219	0.000	81	340026	1.60	1.98	
102 Indene	116	19.353	19.353	0.000	94	406887	1.60	1.88	
103 n-Butylbenzene	91	19.358	19.358	0.000	96	713868	1.60	1.95	
104 Undecane	57	19.679	19.679	0.000	95	425618	1.60	1.99	
105 1,2-Dibromo-3-Chloropropane	157	19.839	19.839	0.000	90	184318	1.60	1.94	
106 1,2,4,5-Tetramethylbenzene	119	20.134	20.134	0.000	95	518447	1.60	1.66	
107 Dodecane	57	20.769	20.769	0.000	94	406827	1.60	1.93	
108 1,2,4-Trichlorobenzene	180	20.971	20.971	0.000	93	231234	1.60	2.16	
109 Naphthalene	128	21.116	21.116	0.000	98	528148	1.60	2.16	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	90	309271	1.60	2.09	
111 1,2,3-Trichlorobenzene	180	21.410	21.410	0.000	93	245412	1.60	2.04	
112 2-Methylnaphthalene	142	22.061	22.061	0.000	94	159611	1.60	1.90	
113 1-Methylnaphthalene	142	22.191	22.191	0.000	95	276818	1.60	2.66	
A 115 C8 Range	1	14.270	(14.236-14.319)		0	1115397	1.60	1.76	
S 116 Xylenes, Total	100				0		4.80	5.67	
S 117 1,2-Dichloroethene, Total	1				0		3.20	3.22	

Reagents:

40CV101P_00116	Amount Added: 80.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

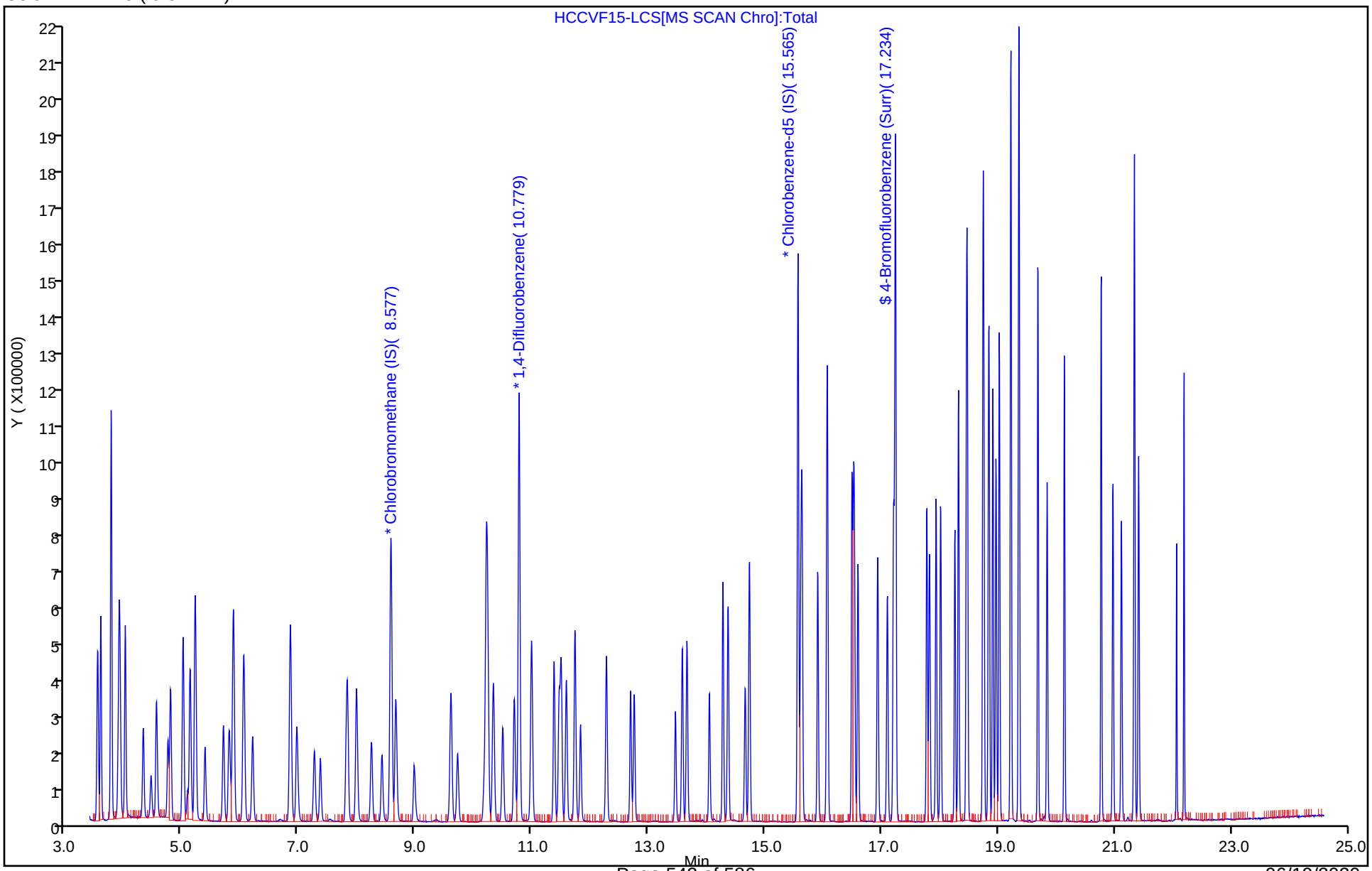
Report Date: 16-Jun-2020 11:23:42 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins Environment Testing America

Data File: \\chromfs\Knoxville\ChromData\MH\20200612-15724.b\HCCVF15-LCS.d

Injection Date:	15-Jun-2020 08:55:30	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#:	1
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\20200612-15724.b\HCCVF15-LCS.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	15-Jun-2020 08:55:30	ALS Bottle#:	1	Worklist Smp#:	1002
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0015720-006				
Misc. Info.:	P116 80ML				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromfs\Knoxville\ChromData\MH\20200612-15724.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	16-Jun-2020 11:23:39	Calib Date:	16-Apr-2020 18:34:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX1015				

First Level Reviewer: khachitpongpanits Date: 16-Jun-2020 11:23:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	4.64	115.91

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Instrument ID: MH Start Date: 04/16/2020 06:14

Analysis Batch Number: 39100 End Date: 04/16/2020 23:05

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-39100/1		04/16/2020 06:14	1	HDNUD16X.D	RTX-5 0.32(mm)
IC 140-39100/3		04/16/2020 08:03	1	HD16IC01.D	RTX-5 0.32(mm)
IC 140-39100/4		04/16/2020 08:55	1	HD16IC02.D	RTX-5 0.32(mm)
140-18735-A-5 MDLV		04/16/2020 08:55	1		RTX-5 0.32(mm)
IC 140-39100/5		04/16/2020 09:47	1	HD16IC03.D	RTX-5 0.32(mm)
140-18735-A-6 MDLV		04/16/2020 09:47	1		RTX-5 0.32(mm)
IC 140-39100/6		04/16/2020 10:40	1	HD16IC04.D	RTX-5 0.32(mm)
140-18735-A-7 MDLV		04/16/2020 10:40	1		RTX-5 0.32(mm)
IC 140-39100/7		04/16/2020 11:33	1	HD16IC05.D	RTX-5 0.32(mm)
140-18735-A-8 MDLV		04/16/2020 11:33	1		RTX-5 0.32(mm)
IC 140-39100/8		04/16/2020 12:26	1	HD16IC06.D	RTX-5 0.32(mm)
ICIS 140-39100/9		04/16/2020 13:19	1	HD16IC07.D	RTX-5 0.32(mm)
IC 140-39100/11		04/16/2020 15:04	1	HD16IC08.D	RTX-5 0.32(mm)
IC 140-39100/13		04/16/2020 16:49	1	HD16C09.D	RTX-5 0.32(mm)
IC 140-39100/15		04/16/2020 18:34	1	HD16IC10.D	RTX-5 0.32(mm)
ICV 140-39100/17		04/16/2020 20:21	1	HD16ICV.D	RTX-5 0.32(mm)
ZZZZZ		04/16/2020 23:05	1		RTX-5 0.32(mm)

Eurofins/TestAmerica Knoxville GC/MS Air - Initial Calibration Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 21 & KNOX-MS-0023, Rev 4

Analysis Date:	4/16/20	Instrument:	MH	Chrom WL #:	15239	TALS Batch & Event #	TO14/15: 2402 / 39100	DODS: 2403/39101
							DOD: 2405 / 39103	OHIO: 2404 / 39102

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]	✓	Removed.	
8. If manual integrations performed, are they properly performed, correct, baseline clearly identified, and correct reason given? [Chrom]	NA		
9. RT for each IS ±20 sec avg. RT? [F6 IstdRec]	✓		
10. Area for each IS ± 40% avg. area? [F6 IstdRec]	✓		
11. Each analyte ± 0.06 RRT of avg. RRT? [F6 - RRT]	✓		
12. Elution order checked on isomeric pairs? [Chrom]			
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane	✓		
• 2-methyl butane / acrolein	✓		
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane	✓		
• vinyl acetate / hexane	✓		
• cis- and trans- isomers	✓		
• ethyl benzene / m/p-xylene / o-xylene	✓		
• n-propylbenzene/4-ethyl toluene/1,3,5-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% MeCl2, naph [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]	✓	naph	✓	DOD: RL naph 0.76			
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]	✓	✓	✓	↑ICV DOD			
Analyst/Date: 4/21/20 ICV ↑ IPA · DOD				**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: 1245 TMPBZ. TTMBZ 130 %. RSD. 4/21/20 4/21/20	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:	4/16/20	Instrument:	MH	Chrom WL #:	15239	TALS Batch & Event #	TO14/15: 39100 /2402	DOD5: 39101/2403
							DOD: 39103 / 2405	OHIO: 39102/2404

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]			NA
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			NA
• 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			Y
• 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 ∑]				mecl2 naphthalene	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		Y	Y	na
21. Is low point RSE ≤ 50 %? [F6]					Y	Y	Y
22. Is the second source analysis within limits? [F8 - icv]				IPA high DOD icv	Y	Y	Y

Analyst/Date:	2nd Level Reviewer/Date: LL 4/21/20

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?					Y	Y	Y
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 4/21/20
Comments:	Comments:

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Instrument ID: MR Start Date: 05/13/2020 07:13

Analysis Batch Number: 39590 End Date: 05/14/2020 00:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-39590/1		05/13/2020 07:13	1	RBFBE13.D	RTX-5 0.32(mm)
IC 140-39590/4		05/13/2020 10:05	1	RE13IC10.D	RTX-5 0.32(mm)
IC 140-39590/6		05/13/2020 11:40	1	RE13IC09.D	RTX-5 0.32(mm)
IC 140-39590/8		05/13/2020 13:16	1	RE13IC08.D	RTX-5 0.32(mm)
IC 140-39590/11		05/13/2020 15:40	1	RE13IC06.D	RTX-5 0.32(mm)
IC 140-39590/12		05/13/2020 16:29	1	RE13IC05.D	RTX-5 0.32(mm)
140-18737-A-8 MDLV		05/13/2020 16:29	1		RTX-5 0.32(mm)
IC 140-39590/13		05/13/2020 17:19	1	RE13IC04.D	RTX-5 0.32(mm)
140-18737-A-7 MDLV		05/13/2020 17:19	1		RTX-5 0.32(mm)
IC 140-39590/14		05/13/2020 18:08	1	RE13IC03.D	RTX-5 0.32(mm)
140-18737-A-6 MDLV		05/13/2020 18:08	1		RTX-5 0.32(mm)
IC 140-39590/15		05/13/2020 18:57	1	RE13IC02.D	RTX-5 0.32(mm)
140-18737-A-5 MDLV		05/13/2020 18:57	1		RTX-5 0.32(mm)
IC 140-39590/16		05/13/2020 19:45	1	RE13IC01.D	RTX-5 0.32(mm)
ICV 140-39590/18		05/13/2020 21:19	1	RE13ICV.D	RTX-5 0.32(mm)
ZZZZZ		05/13/2020 23:50	1		RTX-5 0.32(mm)
ICIS 140-39590/22		05/14/2020 00:39	1	RE13TEST.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 4

Analysis Date:	5/13/20	Instrument:	MR	Chrom WL #:	15465	TALS Batch & Event #	TO14/15: 2439 / 39590	DOD: 2442 / 39593	DOD5- 2440 39591	OHIO: 2441 / 39592

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	M	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% Mech 740'. Linear [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 %? 2-methyl naph provisional. [F6]	✓	✓	✓	Provisional Analyte			
22. Is the second source analysis within limits? [F8 - icv]	✓	✓	✓				

Analyst/Date: [signature] 5/14/20 — **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? NCM Mech 740'.	✓	✓	✓				
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: [signature] 5/14/20 — **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:	5/13/20	Instrument:	MR	Chrom WL #:	15465	TALS Batch & Event #	TO14/15: 39590 /2439 DOD: 39593 / 2442	DOD5: 39591/2440 OHIO: 39592/2441

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]			NA
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			NA
• 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			Y
• 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 ∑]				mecl2	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]				#112	Y	Y	Y
22. Is the second source analysis within limits? [F8 - icv]					Y	Y	Y

Analyst/Date:	2nd Level Reviewer/Date: LL 5/15/20

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?				NCM 23029	Y	Y	Y
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 5/15/20
Comments:	Comments:

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Instrument ID: MR Start Date: 06/11/2020 12:12

Analysis Batch Number: 40256 End Date: 06/12/2020 07:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-40256/10		06/11/2020 12:12	1	RBFBF11C.D	RTX-5 0.32(mm)
CCVIS 140-40256/9		06/11/2020 12:45	1	RCCVF11C.D	RTX-5 0.32(mm)
LCS 140-40256/1009		06/11/2020 12:45	1	RCCVF11C-LCS.d	RTX-5 0.32(mm)
ZZZZZ		06/11/2020 14:56	1		RTX-5 0.32(mm)
MB 140-40256/12		06/11/2020 15:48	1	R500BF11.D	RTX-5 0.32(mm)
ZZZZZ		06/11/2020 16:37	1		RTX-5 0.32(mm)
ZZZZZ		06/11/2020 17:26	1		RTX-5 0.32(mm)
ZZZZZ		06/11/2020 18:15	1		RTX-5 0.32(mm)
ZZZZZ		06/11/2020 19:52	95.17		RTX-5 0.32(mm)
ZZZZZ		06/11/2020 20:40	118.46		RTX-5 0.32(mm)
140-19327-1		06/11/2020 21:28	1	RF11P106.D	RTX-5 0.32(mm)
140-19327-2		06/11/2020 22:16	1.34	RF11P107.D	RTX-5 0.32(mm)
140-19327-3		06/11/2020 23:03	1.4	RF11P108.D	RTX-5 0.32(mm)
140-19327-5		06/11/2020 23:53	2.06	RF11P109.D	RTX-5 0.32(mm)
140-19327-6		06/12/2020 00:43	2.23	RF11P110.D	RTX-5 0.32(mm)
ZZZZZ		06/12/2020 02:18	1.37		RTX-5 0.32(mm)
ZZZZZ		06/12/2020 03:05	1.37		RTX-5 0.32(mm)
ZZZZZ		06/12/2020 07:38	1		RTX-5 0.32(mm)

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 21 & KNOX-MS-0023, Rev 4

Instrument/Date	MR 6/11/20		Routine	DOD	OHIO VAP
CCAL Chrom WL #	15714	CCAL Batch #	40256		40274
ICAL Chrom WL #	15465	ICAL Batch # / Event #	39590 / 2439	/	39592 / 2441

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: 1,2-Dichloro-1,1,2,2-tetrafluoroethane, Dichlorodifluoromethane, Bromoform, 1,2-Dibromo-3-Chloropropane	
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 Stephanie Ku 6/12/20		**2nd Level Reviewer/date**	

7. Has the vol injected been verified vs Entech & corrected if actual amount differs >5%? [WL Sample Info: init amt = sample amt; final amt = 500 mL]	✓		
8. Do the lab ID, Info 1 and Dilution Factor columns correlate in Chrom? [Sample List - Lab ID vs. Info 1 vs. Dilution]	✓		
9. Can dilution history verified? [Mgmt Report]	✓		
10. Are all analytes present in the system blank < RL? (<1/2 RL for DoD). *If no, list blank ID:*	✓	□ Method Blank – Report, ND (NCM#_____) □ Method Blank – Report, 10X (NCM#_____)	
11. All runs - peaks ID'd correctly and false positives removed?	✓		
12. If manual integrations performed, are they properly performed, baseline clearly identified, and correct reason given?	✓		
13. IS/Surr within limits? *List samples and reason (e.g., 1 thru 5):* [Batch Results IS & SUR Tab] Sample Reason Sample Reason	✓	□ (1) Surrogate – Matrix (NCM#_____) □ (2) Surrogate – High, ND (NCM#_____) □ (3) ISTD – RA/RA Concurs (NCM#_____) □ (4) Surrogate –RX concur, Report both (NCM#_____) □ (5) ISTD – Matrix, DL required (NCM#_____)	
14. Samples outside calibration range scheduled for dilution?	✓	□ ICAL – Range Exceeded; Minimum Dilution	

Chrom Review	1st	If No, why is data reportable?	2nd
15. For first analysis that is at a dilution, is highest target analyte >20% cal range? *List samples and reason:* Sample Reason Sample Reason	✓	□ (1) Reporting Limit – Dilution, Matrix (NCM#_____) □ (2) Reporting Limit – Dilution, Non-Target (NCM#_____) □ (3) Issues with initial collection volume; see DRC.	
16. RIC inspected for proper integration for TPH?	NA		
17. Obvious non-TPH peaks excluded?	↓		
18. Individual TPH peak area < octane high point area?	↓		

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 21 & KNOX-MS-0023, Rev 4

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# 23549) ☑ CCV - %D high - outside criteria, samples ND, Sample IDs Included (NCM# 23550)	
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# 23551)	
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:** 140-40256/12, 140-40234/12 **200 mL blank ID:** 140-40256/13	
33. Samples linked to job's BFB/CCV/LCS/MB? [QC Links]	/		
34. Correct ICV linked to each MB? [QC Links]	/		
35. Were all samples/QC analyzed within 24 hr of BFB? [F7]	/		
36. If criteria were not met, was a NCM generated, and assigned to proper QC & samples? [Also see Conditions Review Tab]	/		
37. Run Checklist and acknowledge findings [F8]	/		
38. Runs set to 1st level review?	/	Runs set to 2nd level review?	
39. QC checker run and items addressed?	-na-		
40. Checklist & Entech report scanned, attached & assigned properly?	-na-		

Analyst: Stephanie Ku. **Date:** 6/12/20	**2nd Level Reviewer :** **Date:**
Comments:	**Comments:**
CI : Acetone line 14	
1st level (Ver 3) 6/12/20	
Example Calculation: 140-19318-1 TCE	
On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF	
$12.31934 \times \frac{500}{20} \times 95.17 = 29310$	

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 20 & KNOX-MS-0023, Rev 4

Instrument/Date	MR 6/11/20		Routine	DOD	OHIO VAP
CCAL Chrom WL #	15714	CCAL Batch #	40256		40274
ICAL Chrom WL #	15465	ICAL Batch # / Event #	39590/2439	/	39592/2441

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?			NA
6. Has the RT been updated to the method?			Y
Analyst/date		**2nd Level Reviewer/date LL 6/12/20**	

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?			NA
13. IS/Surr within limits? *List samples and reason (e.g.,* 1 thru 5*):* [Batch Results IS & SUR Tab] Sample Reason Sample Reason _____ _____ _____ _____ _____ _____ _____ _____		□ (1) Surrogate – Matrix (NCM#_____) □ (2) Surrogate – High, ND (NCM#_____) □ (3) ISTD – RA/RA Concurs (NCM#_____) □ (4) Surrogate –RX concur, Report both (NCM#_____) □ (5) ISTD – Matrix, DL required (NCM#_____)	Y
14. Samples outside calibration range scheduled for dilution?		□ ICAL – Range Exceeded; Minimum Dilution	Y
Chrom Review	**1st**	**If No, why is data reportable?**	**2nd**
15. For first analysis that is at a dilution, is highest target analyte >20% cal range? *List samples and reason:* Sample Reason Sample Reason _____ _____ _____ _____ _____ _____ _____ _____		□ (1) Reporting Limit – Dilution, Matrix (NCM#_____) □ (2) Reporting Limit – Dilution, Non-Target (NCM#_____) □ (3) Issues with initial collection volume; see DRC.	Y
16. RIC inspected for proper integration for TPH?			NA
17. Obvious non-TPH peaks excluded?			NA
18. Individual TPH peak area < octane high point area?			NA

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 20 & KNOX-MS-0023, Rev 4

TALS Review	**1st**	**If No, why is data reportable?**	**2nd**
19. Graphics uploaded? [open one paperclip]			**Y**
20. NCM generated if BFB failed TO-14A criteria, but passes TO-15?		□ [Failed TO-14A, but passes TO-15] (NCM#_____)	**NA**
21. Is the %D ≤ 30% for all target analytes? [≤ 50% for 1&2 methylnaphthalene] [Chrom-F8] [TALS-Sample Results Tab]		□ CCV - %D - LCS criteria met (NCM#_____) □ CCV - %D high - outside criteria, samples ND, Sample IDs Included (NCM#_____)	**Y**
22. Undiluted volume analyzed meets the method requirement (200 mL vs. 500 mL)?			**na**
23. Project & sample special instructions verified?			**Y**
24. If samples were Tedlar bags, was the 72 hr HT met? ** Narrate transfer to can.		□ Air Analysis - Air Sample Transfer to Canister (NCM#____)	**Y**
25. Sample analyses done within analytical holding time?		□ Holding Time – Received w/Insufficient Time (NCM#_____) □ Holding Time – Receipt (NCM#_____)	**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: ___12** **200 mL blank ID: ___13_____**	**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: 6/12/20**
Comments:		**Comments: *short batch**	
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.: 140-19327-1

SDG No.:

Instrument ID: MH Start Date: 06/12/2020 07:41

Analysis Batch Number: 40269 End Date: 06/13/2020 00:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-40269/1		06/12/2020 07:41	1	HBFBF12.D	RTX-5 0.32(mm)
CCVIS 140-40269/2		06/12/2020 08:09	1	HCCVF12.D	RTX-5 0.32(mm)
LCS 140-40269/1002		06/12/2020 08:09	1	HCCVF12-LCS.d	RTX-5 0.32(mm)
ZZZZZ		06/12/2020 09:35	1		RTX-5 0.32(mm)
MB 140-40269/8		06/12/2020 11:29	1	H500BF12.D	RTX-5 0.32(mm)
140-19327-4		06/12/2020 13:29	4.7	HF12P101R.D	RTX-5 0.32(mm)
ZZZZZ		06/12/2020 14:30	1		RTX-5 0.32(mm)
ZZZZZ		06/12/2020 16:32	1		RTX-5 0.32(mm)
ZZZZZ		06/12/2020 17:32	1.53		RTX-5 0.32(mm)
ZZZZZ		06/12/2020 18:34	1.49		RTX-5 0.32(mm)
ZZZZZ		06/12/2020 20:37	1.45		RTX-5 0.32(mm)
ZZZZZ		06/12/2020 21:31	1.94		RTX-5 0.32(mm)
ZZZZZ		06/12/2020 22:25	1.44		RTX-5 0.32(mm)
ZZZZZ		06/12/2020 23:19	1		RTX-5 0.32(mm)
140-19327-4 DL		06/13/2020 00:12	4.7	HF12P101DL.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 4

Instrument/Date	MH 6/12/20		Routine	DOD	OHIO VAP
CCAL Chrom WL #	15720	CCAL Batch #	40269		
ICAL Chrom WL #	15239	ICAL Batch # / Event #	39100 / 2402	/	/

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: 1,4 - Dioxane	
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 Sophonsa Ku. 6/15/20		**2nd Level Reviewer/date**	

7. Has the vol injected been verified vs Entech & corrected if actual amount differs >5%? [WL Sample Info: init amt = sample amt; final amt = 500 mL]	✓		
8. Do the lab ID, Info 1 and Dilution Factor columns correlate in Chrom? [Sample List - Lab ID vs. Info 1 vs. Dilution]	✓		
9. Can dilution history verified? [Mgmt Report]	✓		
10. Are all analytes present in the system blank < RL? (<1/2 RL for DoD). *If no, list blank ID:*	✓	□ Method Blank – Report, ND (NCM#_____) □ Method Blank – Report, 10X (NCM#_____)	
11. All runs - peaks ID'd correctly and false positives removed?	✓		
12. If manual integrations performed, are they properly performed, baseline clearly identified, and correct reason given?	✓		
13. IS/Surr within limits? *List samples and reason (e.g.,* 1 thru 5*):* [Batch Results IS & SUR Tab] Sample Reason Sample Reason	✓	□ (1) Surrogate – Matrix (NCM#_____) □ (2) Surrogate – High, ND (NCM#_____) □ (3) ISTD – RA/RA Concurs (NCM#_____) □ (4) Surrogate –RX concur, Report both (NCM#_____) □ (5) ISTD – Matrix, DL required (NCM#_____)	
14. Samples outside calibration range scheduled for dilution?	✓	□ ICAL – Range Exceeded; Minimum Dilution	

Chrom Review	1st	If No, why is data reportable?	2nd
15. For first analysis that is at a dilution, is highest target analyte >20% cal range? *List samples and reason:* Sample Reason Sample Reason	✓	□ (1) Reporting Limit – Dilution, Matrix (NCM#_____) □ (2) Reporting Limit – Dilution, Non-Target (NCM#_____) □ (3) Issues with initial collection volume; see DRC.	
16. RIC inspected for proper integration for TPH?	NA		
17. Obvious non-TPH peaks excluded?	↓		
18. Individual TPH peak area < octane high point area?			

Eurofins/TestAmerica Knoxville GC/MS Air - Batch Data Review Checklist
Methods: TO-14 and TO-15 - KNOX-MS-0001, Rev 21 & KNOX-MS-0023, Rev 4

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# 23574) □ CCV - %D high - outside criteria, samples ND, Sample IDs Included (NCM#_____)	
22. Undiluted volume analyzed meets the method requirement (200 mL vs. 500 mL)?	✓		na
23. Project & sample special instructions verified?	✓		
24. If samples were Tedlar bags, was the 72 hr HT met? ** Narrate transfer to can.	NA	□ Air Analysis - Air Sample Transfer to Canister (NCM#____)	
25. Sample analyses done within analytical holding time?	✓	□ Holding Time – Received w/Insufficient Time (NCM#_____) □ Holding Time – Receipt (NCM#_____)	
26. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%, and no two consecutive MEs). [Sample Results Tab] Note: No LCS required for OH VAP.	✓	□ Marginal Exceedances - Within ME Limits and Random; Report (NCM# ___) □ LCS/LCSD - %R High (NCM#_____)	
27. Suffixes assigned properly (DL/RE)? [Sample List Tab]	✓		
28. Each job has QC created (BFB, CCV, LCS, MB)? [Sample List Tab]	✓		
29. Analytes over calibration range set to secondary [Conditions Review Tab]	✓		
30. Samples not reported set to 'Acceptable' or 'Rejected'? [Sample Results Tab]	✓		
31. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for n-butanol) *(If DUP not reported - set to 'Acceptable' for each job)*	NA		
32. Samples linked to proper blank (200 mL or 500 mL)? [QC links]	✓	**500 mL blank ID:** 140-40269/8 **200 mL blank ID:** NA	
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: Suphawan Kh.	Date: 6/15/20	2nd Level Reviewer :	Date:
Comments:		**Comments:**	
CI flag : Acetone lines 10,12,14,16,17			
D flag : IPA line 21			
Example Calculation: 140-19327-4 IPA			
On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF			
13.86530 x 500 / 150 x 4.7 = 217			

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 6/12/20		Routine	DOD	OHIO VAP
CCAL Chrom WL #	15720	CCAL Batch #	40269		
ICAL Chrom WL #	15239	ICAL Batch # / Event #	39100 /2402		

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?			NA
6. Has the RT been updated to the method?			Y
Analyst/date		**2nd Level Reviewer/date LL 6/15/20**	

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]			**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)*		**LCSD**	**Y**
32. Samples linked to proper blank (200 mL or 500 mL)? [QC links]		**500 mL blank ID: 8** **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: 6/15/20**
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 ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19327-1

SDG No.:

Instrument ID: MH Start Date: 06/15/2020 08:27

Analysis Batch Number: 40282 End Date: 06/16/2020 08:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-40282/1		06/15/2020 08:27	1	HBFBF15.D	RTX-5 0.32(mm)
CCVIS 140-40282/2		06/15/2020 08:55	1	HCCVF15.D	RTX-5 0.32(mm)
LCS 140-40282/1002		06/15/2020 08:55	1	HCCVF15-LCS.d	RTX-5 0.32(mm)
ZZZZZ		06/15/2020 10:13	1		RTX-5 0.32(mm)
MB 140-40282/5		06/15/2020 12:13	1	H500BF15.D	RTX-5 0.32(mm)
ZZZZZ		06/15/2020 14:41	1		RTX-5 0.32(mm)
ZZZZZ		06/15/2020 15:33	1		RTX-5 0.32(mm)
ZZZZZ		06/15/2020 16:25	1.53		RTX-5 0.32(mm)
ZZZZZ		06/15/2020 17:17	1.49		RTX-5 0.32(mm)
ZZZZZ		06/15/2020 18:08	1.41		RTX-5 0.32(mm)
ZZZZZ		06/15/2020 19:03	1.45		RTX-5 0.32(mm)
140-19327-2 DL		06/15/2020 20:52	1.34	HF15P108.D	RTX-5 0.32(mm)
140-19327-3 DL		06/15/2020 21:44	1.4	HF15P109.D	RTX-5 0.32(mm)
140-19327-5 DL		06/15/2020 22:36	2.06	HF15P110.D	RTX-5 0.32(mm)
140-19327-6 DL		06/15/2020 23:29	2.23	HF15P111.D	RTX-5 0.32(mm)
ZZZZZ		06/16/2020 00:21	1		RTX-5 0.32(mm)
ZZZZZ		06/16/2020 01:13	1		RTX-5 0.32(mm)
ZZZZZ		06/16/2020 02:05	1		RTX-5 0.32(mm)
ZZZZZ		06/16/2020 03:50	171.15		RTX-5 0.32(mm)
140-19327-1 DL		06/16/2020 08:03	1	HF15P107R.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 4

Instrument/Date	MH 6/15/20		Routine	DOD	OHIO VAP
CCAL Chrom WL #	15724	CCAL Batch #	40282		
ICAL Chrom WL #	15239	ICAL Batch # / Event #	39100 / 2402	/	/

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, 1,2,4-Trichlorobenzene, Bromoform, Chloromethane, Dichlorodifluoromethane, Trichlorofluoromethane	
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?	✓		
6. Has the RT been updated to the method?	✓		
Analyst/date Suphawan Ph 6/16/20		**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: 140-19358-1 / Reason: NT / Sample / Reason	✓	□ (1) Reporting Limit – Dilution, Matrix (NCM#_____) ☒ (2) Reporting Limit – Dilution, Non-Target (NCM#23609) □ (3) Issues with initial collection volume; see DRC.	
16. RIC inspected for proper integration for TPH?	✓		
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 4

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# 23598) □ 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:** 140-40282/5 **200 mL blank ID:** NA	
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: Suphawan K.	Date: 6/16/20	2nd Level Reviewer :	Date:
Comments:		**Comments:**	
D flags: lines 15-18 for IPA			
Example Calculation: 140-19327-2 IPA			
On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF			
$35.91995 \times \frac{500}{25} \times 1.34 = 963$			

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 6/15/20		Routine	DOD	OHIO VAP
CCAL Chrom WL #	15724	CCAL Batch #	40282		
ICAL Chrom WL #	15239	ICAL Batch # / Event #	39100 /2402		

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 6/16/20**	

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?			Y
17. Obvious non-TPH peaks excluded?			Y
18. Individual TPH peak area < octane high point area?			Y

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]			**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)*		**LCSD**	**Y**
32. Samples linked to proper blank (200 mL or 500 mL)? [QC links]		**500 mL blank ID: 5** **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: 6/16/20**
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.: 140-19327-1

SDG No.:

Batch Number: 40256 Batch Start Date: 06/11/20 12:12 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 00116	40MXISSURP 00004
CCVIS 140-40256/9		TO 15 LL		500 mL	500 mL	1	1	80 mL	40 mL
BFB 140-40256/10		TO 15 LL		500 mL	500 mL	1	1		
MB 140-40256/12		TO 15 LL		500 mL	500 mL	1	1		40 mL
140-19327-A-1	SVE INF	TO 15 LL	T	50 mL	500 mL	1	1		40 mL
140-19327-A-2	SVE EFF	TO 15 LL	T	100 mL	500 mL	1	1		40 mL
140-19327-A-3	OFFSITE DDC INF	TO 15 LL	T	50 mL	500 mL	1	1		40 mL
140-19327-A-5	OFFSITE DDC MID-2	TO 15 LL	T	100 mL	500 mL	1	1		40 mL
140-19327-A-6	OFFSITE DDC EFF	TO 15 LL	T	140 mL	500 mL	1	1		40 mL
LCS 140-40256/1009		TO 15 LL		500 mL	500 mL	1	1	80 mL	40 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	40MXSUR 00003					
CCVIS 140-40256/9		TO 15 LL							
BFB 140-40256/10		TO 15 LL		40 mL					
MB 140-40256/12		TO 15 LL							
140-19327-A-1	SVE INF	TO 15 LL	T						
140-19327-A-2	SVE EFF	TO 15 LL	T						
140-19327-A-3	OFFSITE DDC INF	TO 15 LL	T						
140-19327-A-5	OFFSITE DDC MID-2	TO 15 LL	T						
140-19327-A-6	OFFSITE DDC EFF	TO 15 LL	T						
LCS 140-40256/1009		TO 15 LL							

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.: 140-19327-1

SDG No.:

Batch Number: 40269 Batch Start Date: 06/12/20 07:41 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 00116	40MXISSURP 00004
BFB 140-40269/1		TO 15 LL		500 mL	500 mL	1	1		
CCVIS 140-40269/2		TO 15 LL		500 mL	500 mL	1	1	80 mL	40 mL
MB 140-40269/8		TO 15 LL		500 mL	500 mL	1	1		40 mL
140-19327-A-4	OFFSITE DDC MID-1	TO 15 LL	T	800 mL	500 mL	1	1		40 mL
140-19327-A-4	OFFSITE DDC MID-1	TO 15 LL	T	150 mL	500 mL	1	1		40 mL
LCS 140-40269/1002		TO 15 LL		500 mL	500 mL	1	1	80 mL	40 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	40MXSUR 00003					
BFB 140-40269/1		TO 15 LL		40 mL					
CCVIS 140-40269/2		TO 15 LL							
MB 140-40269/8		TO 15 LL							
140-19327-A-4	OFFSITE DDC MID-1	TO 15 LL	T						
140-19327-A-4	OFFSITE DDC MID-1	TO 15 LL	T						
LCS 140-40269/1002		TO 15 LL							

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.: 140-19327-1

SDG No.:

Batch Number: 40282 Batch Start Date: 06/15/20 08:27 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 00116	40MXISSURP 00004
BFB 140-40282/1		TO 15 LL		500 mL	500 mL	1	1		
CCVIS 140-40282/2		TO 15 LL		500 mL	500 mL	1	1	80 mL	40 mL
MB 140-40282/5		TO 15 LL		500 mL	500 mL	1	1		40 mL
140-19327-A-2	SVE EFF	TO 15 LL	T	25 mL	500 mL	1	1		40 mL
140-19327-A-3	OFFSITE DDC INF	TO 15 LL	T	25 mL	500 mL	1	1		40 mL
140-19327-A-5	OFFSITE DDC MID-2	TO 15 LL	T	25 mL	500 mL	1	1		40 mL
140-19327-A-6	OFFSITE DDC EFF	TO 15 LL	T	25 mL	500 mL	1	1		40 mL
140-19327-A-1	SVE INF	TO 15 LL	T	11 mL	500 mL	1	1		40 mL
LCS 140-40282/1002		TO 15 LL		500 mL	500 mL	1	1	80 mL	40 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	40MXSUR 00003					
BFB 140-40282/1		TO 15 LL		40 mL					
CCVIS 140-40282/2		TO 15 LL							
MB 140-40282/5		TO 15 LL							
140-19327-A-2	SVE EFF	TO 15 LL	T						
140-19327-A-3	OFFSITE DDC INF	TO 15 LL	T						
140-19327-A-5	OFFSITE DDC MID-2	TO 15 LL	T						
140-19327-A-6	OFFSITE DDC EFF	TO 15 LL	T						
140-19327-A-1	SVE INF	TO 15 LL	T						
LCS 140-40282/1002		TO 15 LL							

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Summa Canister Dilution Worksheet

Client: New York State D.E.C.
Project/Site: National Heatset #152140

Job No.: 140-19327-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
140-19327-2	6	-7.6	0.75	4.48	0.0	1.00	6.00		1.34	1.34	G5	06/09/20 13:16	BRS
140-19327-3	6	-7.6	0.75	4.48	0.7	1.05	6.29		1.40	1.40	G5	06/09/20 13:16	BRS
140-19327-4	6	-19.7	0.34	2.05	0.0	1.00	6.00		2.93	2.93	G5	06/09/20 13:17	BRS
140-19327-4	6	-9.0	0.70	4.20	1.8	1.12	6.73		1.61	4.70	G5	06/12/20 12:33	BRS
140-19327-5	6	-15.4	0.49	2.91	0.0	1.00	6.00		2.06	2.06	G5	06/09/20 13:18	BRS
140-19327-6	6	-16.5	0.45	2.69	0.0	1.00	6.00		2.23	2.23	G5	06/09/20 13:19	BRS

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg
Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19068-1

SDG No.:

Client Sample ID: 10568 Lab Sample ID: 140-19068-13

Matrix: Air Lab File ID: HE15LOT1.D

Analysis Method: TO 15 LL Date Collected: 05/12/2020 14:05

Sample wt/vol: 500(mL) Date Analyzed: 05/16/2020 03:48

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.: 39584 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.: 140-19068-1

SDG No.:

Client Sample ID: 10568 Lab Sample ID: 140-19068-13

Matrix: Air Lab File ID: HE15LOT1.D

Analysis Method: TO 15 LL Date Collected: 05/12/2020 14:05

Sample wt/vol: 500(mL) Date Analyzed: 05/16/2020 03:48

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.: 39584 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.: 140-19068-1

SDG No.:

Client Sample ID: 10568 Lab Sample ID: 140-19068-13

Matrix: Air Lab File ID: HE15LOT1.D

Analysis Method: TO 15 LL Date Collected: 05/12/2020 14:05

Sample wt/vol: 500(mL) Date Analyzed: 05/16/2020 03:48

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.: 39584 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.: 140-19068-1

SDG No.:

Client Sample ID: 10568 Lab Sample ID: 140-19068-13

Matrix: Air Lab File ID: HE15LOT1.D

Analysis Method: TO 15 LL Date Collected: 05/12/2020 14:05

Sample wt/vol: 500(mL) Date Analyzed: 05/16/2020 03:48

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.: 39584 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\20200513-15460.b\HE15LOT1.D
Lims ID: 140-19068-A-13
Client ID: 10568
Sample Type: Client
Inject. Date: 16-May-2020 03:48:30 ALS Bottle#: 14 Worklist Smp#: 21
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015105-021
Misc. Info.: 10568
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20200513-15460.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-May-2020 17:36:13 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1040

First Level Reviewer: khachitpongpanits Date: 18-May-2020 17:36:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.582	8.577	0.005	94	135921	4.00	
* 2 1,4-Difluorobenzene	114	10.784	10.784	0.000	96	912366	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.570	15.570	0.000	90	690384	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.219	17.239	-0.020	88	421117	3.64	
7 Propene	41	3.554	3.553	0.001	99	29225	-0.1755	7
47 1,1,1-Trichloroethane	97	9.616	9.616	0.000	94	6380	0.0427	
58 Trichloroethene	130	11.502	11.507	-0.005	88	1332	0.0164	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

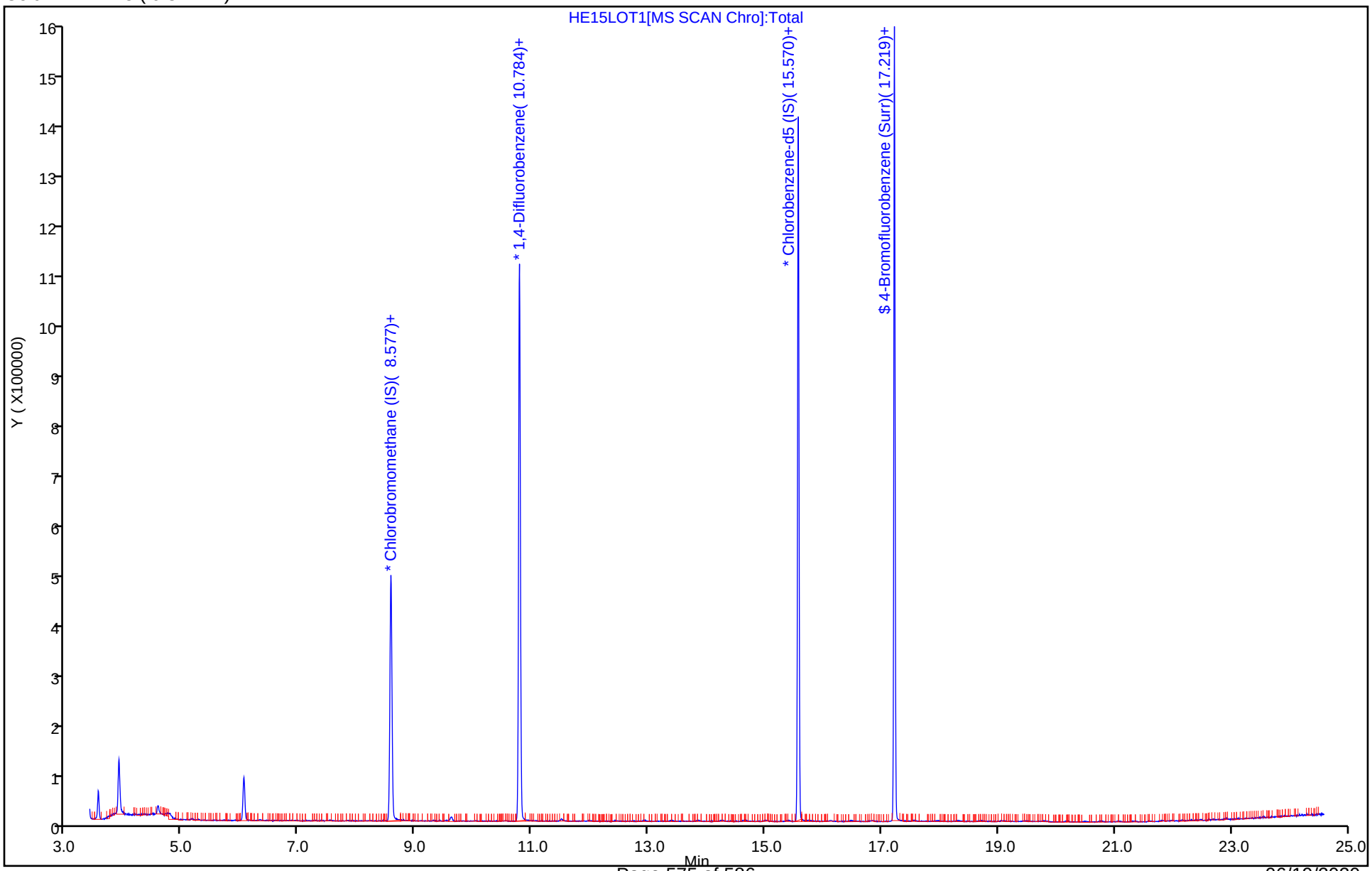
40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 18-May-2020 17:36:46 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200513-15460.b\HE15LOT1.D				
Injection Date:	16-May-2020 03:48:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-19068-A-13	Lab Sample ID:	140-19068-13	Worklist Smp#:	21
Client ID:	10568				
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)



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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-19080-1

SDG No.:

Client Sample ID: 10234 Lab Sample ID: 140-19080-1

Matrix: Air Lab File ID: HE14P116.D

Analysis Method: TO 15 LL Date Collected: 05/13/2020 14:05

Sample wt/vol: 500(mL) Date Analyzed: 05/15/2020 07:27

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.: 39583 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.: 140-19080-1

SDG No.:

Client Sample ID: 10234 Lab Sample ID: 140-19080-1

Matrix: Air Lab File ID: HE14P116.D

Analysis Method: TO 15 LL Date Collected: 05/13/2020 14:05

Sample wt/vol: 500(mL) Date Analyzed: 05/15/2020 07:27

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.: 39583 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.: 140-19080-1

SDG No.:

Client Sample ID: 10234 Lab Sample ID: 140-19080-1

Matrix: Air Lab File ID: HE14P116.D

Analysis Method: TO 15 LL Date Collected: 05/13/2020 14:05

Sample wt/vol: 500(mL) Date Analyzed: 05/15/2020 07:27

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.: 39583 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.: 140-19080-1

SDG No.:

Client Sample ID: 10234 Lab Sample ID: 140-19080-1

Matrix: Air Lab File ID: HE14P116.D

Analysis Method: TO 15 LL Date Collected: 05/13/2020 14:05

Sample wt/vol: 500(mL) Date Analyzed: 05/15/2020 07:27

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.: 39583 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\20200513-15459.b\HE14P116.D
Lims ID: 140-19080-A-1
Client ID: 10234
Sample Type: Client
Inject. Date: 15-May-2020 07:27:30 ALS Bottle#: 16 Worklist Smp#: 21
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015459-021
Misc. Info.: 10234
Operator ID: HMT Instrument ID: MH

Method: \\chromfs\Knoxville\ChromData\MH\20200513-15459.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-May-2020 13:03:55 Calib Date: 16-Apr-2020 18:34:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Knoxville\ChromData\MH\20200416-15239.b\HD16IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX1023

First Level Reviewer: khachitpongpanits Date: 18-May-2020 13:04:32

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.582	8.577	0.005	93	166133	4.00	
* 2 1,4-Difluorobenzene	114	10.784	10.784	0.000	95	1108481	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.570	15.570	0.000	90	831704	4.00	
$ 4 4-Bromofluorobenzene (Surr)	95	17.239	17.239	0.000	90	488056	3.50	
7 Propene	41	3.559	3.553	0.006	97	35219	-0.1837	7
17 Ethanol	31	4.577	4.556	0.021	86	18978	0.6406	
19 2-Methylbutane	43	4.799	4.804	-0.005	40	1253	0.0150	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

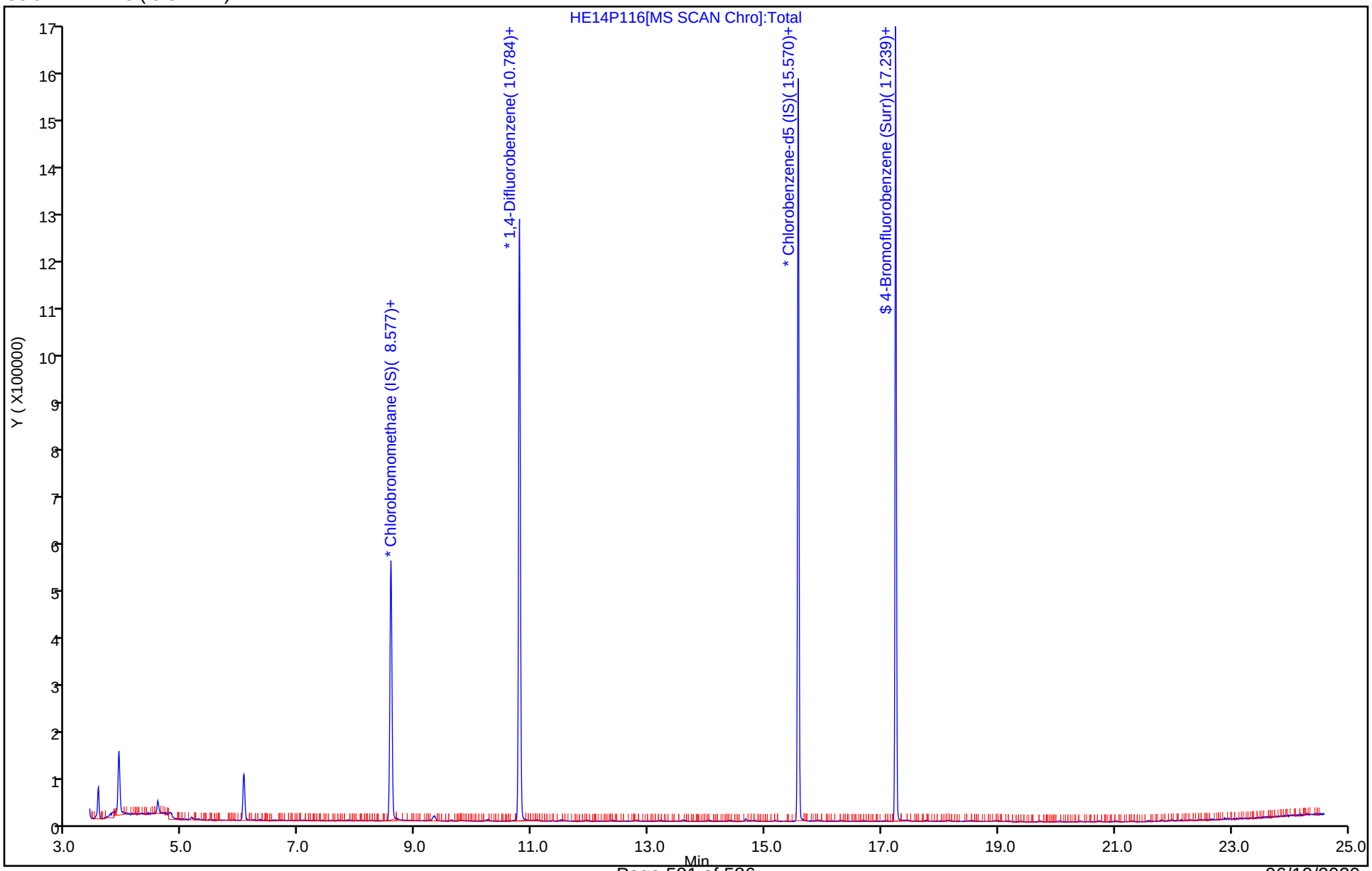
Report Date: 18-May-2020 13:04:33 Chrom Revision: 2.3 05-May-2020 17:48:18

Eurofins TestAmerica, Knoxville

Data File: \\chromfs\Knoxville\ChromData\MH\20200513-15459.b\HE14P116.D

Injection Date:	15-May-2020 07:27:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-19080-A-1	Lab Sample ID:	140-19080-1	Worklist Smp#:	21
Client ID:	10234				
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)



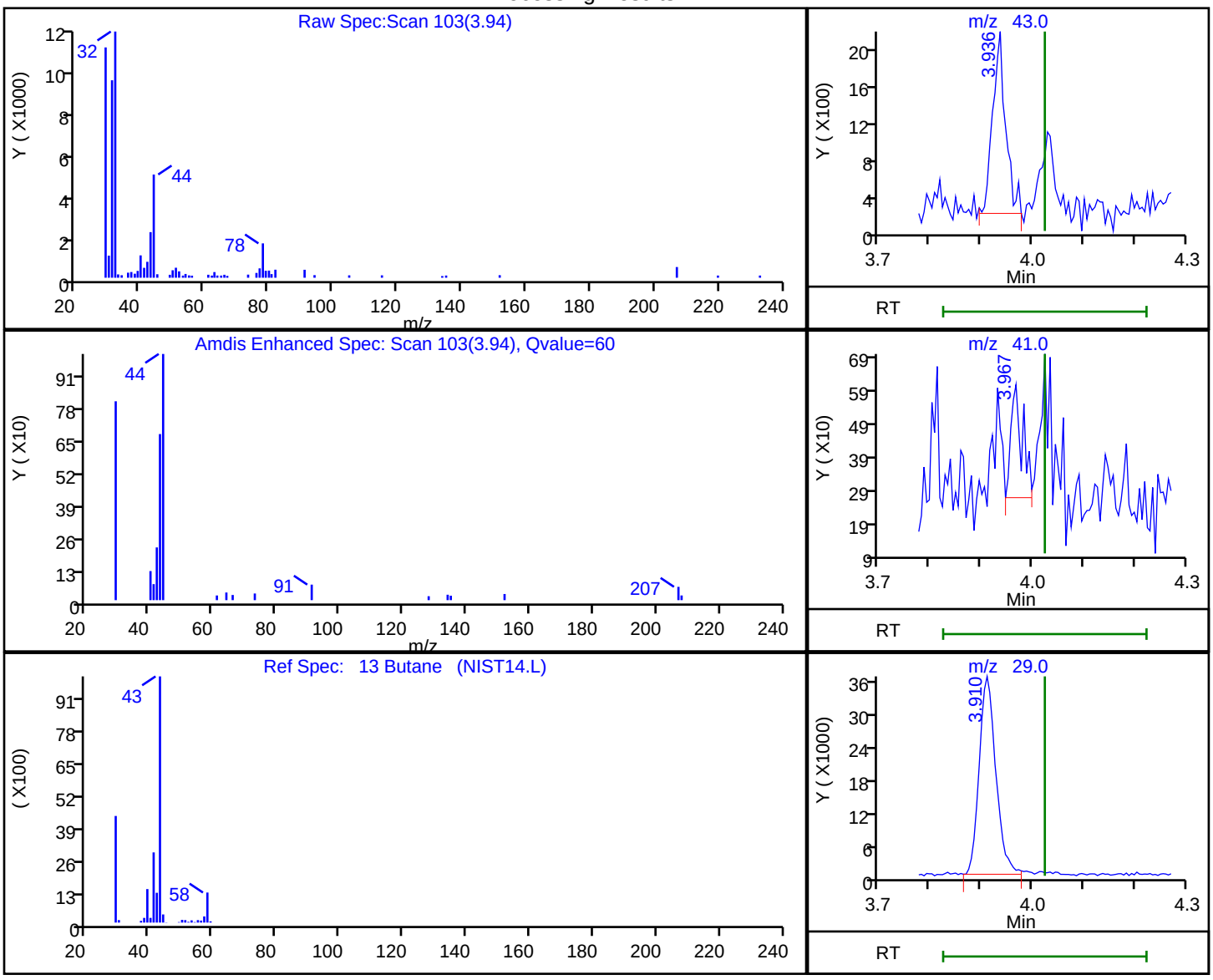
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromfs\Knoxville\ChromData\MH\20200513-15459.b\HE14P116.D				
Injection Date:	15-May-2020 07:27:30	Instrument ID:	MH		
Lims ID:	140-19080-A-1	Lab Sample ID:	140-19080-1		
Client ID:	10234				
Operator ID:	HMT	ALS Bottle#:	16	Worklist Smp#:	21
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
3.94	43.00	3463	0.030319
3.97	41.00	536	
3.91	29.00	81859	

Reviewer: tajh, 15-May-2020 08:44:32

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

Shipping and Receiving Documents

Eurofins TestAmerica, Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
Phone 865-291-3000
Fax 865-584-4315

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

140-19327 Chain of Custody

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	Client Project Manager: Jon Wofmann	Samples Collected By: JB MF	COC No:
Company Name: EAR	Phone:		1 of 1 COCs
Address: 225 atlantic ave	Email:		
City/State/Zip: patchogue NY 11772			For Lab Use Only:
Phone: 631-447-6400	Site Contact:		Walk-in Client:
FAX:	Tel/Fax		Lab Sampling:
Project Name: dec-East Farmingdale i-adams	Analysis Turnaround Time		
Site/Location:	Standard (Specific): 10 Day		Job / SDG No.:
P O #	Rush (Specifiy):		(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:
SVE INF	6/4/20	7:45	6/4/20	11:38	-30	-3	3886	34000575	X														
SVE EFF		7:48		11:44	-30	-6	8819	34000383	X														
offsite DDC INF		8:20		12:18	-30	-8	8596	34001524	X														
offsite DDC mid-1		8:25		12:24	-30	-18	7382	09783	X														
offsite DDC mid-2		8:27		12:27	-30	-18	7368	09983	X														
offsite DDC	↓	8:31	↓	12:30	-30	-18	8882	09938	X														

Temperature (Fahrenheit)		
Start	Interior	Ambient
Stop		

Pressure (inches of Hg)		
Start	Interior	Ambient
Stop		

Received @ ambient, 1 box Fedex PO, Custody seal intact
trk# 116 6401 0062
KW 6/9/20

Special Instructions/QC Requirements & Comments:
cat. A deliverables

Samples Shipped by:	Date / Time:	Samples Received by:	
Samples Relinquished by: Jason Broom	Date/Time: 6/4/20 14:00	Received by: Recieving room	6 cc
Relinquished by: Recieving room	Date/Time: 6/5/20 950	Received by: John Yehn	6 cans, 6 flows
Lab Use Only: Shipper Name:	Opened by:	Condition:	

John Yehn 6/5/20 6/5/20 1000 DS. TA
Rec 6/5/20 - 1400 TA
ETA: 6/8/20 1800
KW ETA 6/9/20 1000

Form No. CA-C-WI-003, Rev. 2.13, dated 4/10/2019

06/19/2020

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST **Log In Number:** Loc: 140 **19327**

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 #: 14005804 PM Instructions: _____

Sample Receiving Associate: Ken WK Date: 6/9/20

QA026R32.doc, 062719

TestAmerica Knoxville - Air Canister Initial Pressure Check

Gauge ID: G5
Date: 6/9/2020

Analyst	Sample ID	Asset #	Cleaning Job	Cert	Size (L)	Pressure @ Receipt (-in Hg or +psig)	Time	Comments
BRS	140-19327-a-1	34000575	19080	B	6	-2.5	13:11	
BRS	140-19327-a-2	34000383	19080	B	6	-7.6	13:12	0.0
BRS	140-19327-a-3	34001524	19080	B	6	-7.6	13:13	0.7
BRS	140-19327-a-4	09783	19080	B	6	-19.7	13:14	0.0
BRS	140-19327-a-5	09983	19068	B	6	-15.4	13:15	0.0
BRS	140-19327-a-6	09938	19068	B	6	-16.5	13:16	0.0

□ 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#_____)

eurofins | Environment Testing America



ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-210294-1
Client Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Mr. Payson Long

Authorized for release by:
6/15/2020 11:07:49 AM

Julie Gilmore, Project Manager I
(484)685-0865
julie.gilmore@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

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

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

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

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



Julie Gilmore
Project Manager I
6/15/2020 11:07:49 AM

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Definitions/Glossary

Client: New York State D.E.C.
Job ID: 460-210294-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
J	Indicates an estimated value.
U	Analyzed for but not detected.

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Job ID: 460-210294-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC - EASTFARMINGDALE1 SITE:152140

Report Number: 460-210294-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 06/03/2020; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.2 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-3S ONSITE (460-210294-1), MW-3D ONSITE (460-210294-2), MW-14D (460-210294-3), MW-14S (460-210294-4), DDC-5-PD (460-210294-5), DDC-5-PS (460-210294-6), DDC-6-PD (460-210294-7), DDC-6-PS (460-210294-8), MW-3S OFFSITE (460-210294-9) and MW-3D OFFSITE (460-210294-10) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 06/10/2020 and 06/12/2020.

Chloroethane failed the recovery criteria high for LCS 460-700238/4. Chloroethane failed the recovery criteria high for LCSD 460-700238/5. Refer to the QC report for details.

Chloroethane failed the recovery criteria high for the MS of sample MW-14DMS (460-210294-3) in batch 460-700238.

Chloroethane and Toluene failed the recovery criteria high for the MSD of sample MW-14DMSD (460-210294-3) in batch 460-700238. Bromomethane exceeded the RPD limit.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

Job ID: 460-210294-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Detection Summary

Client: New York State D.E.C.
Job ID: 460-210294-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: MW-3S ONSITE — Lab Sample ID: 460-210294-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11		5.0	4.4	ug/L	1		8260C	Total/NA
Chloroform	0.35	J	1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.58	J	1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	2.2		1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: MW-3D ONSITE — Lab Sample ID: 460-210294-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.6		5.0	4.4	ug/L	1		8260C	Total/NA
Tetrachloroethene	9.9		1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: MW-14D — Lab Sample ID: 460-210294-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.8		5.0	4.4	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.27	J	1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	31		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	1.4		1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: MW-14S — Lab Sample ID: 460-210294-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	6.2		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	0.59	J	1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: DDC-5-PD — Lab Sample ID: 460-210294-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.7		5.0	4.4	ug/L	1		8260C	Total/NA
Chloroform	0.93	J	1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	14		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	1.1		1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: DDC-5-PS — Lab Sample ID: 460-210294-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.9		5.0	4.4	ug/L	1		8260C	Total/NA
Chloroform	1.1		1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	17		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	1.2		1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: DDC-6-PD — Lab Sample ID: 460-210294-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.8		5.0	4.4	ug/L	1		8260C	Total/NA
Chloroform	0.84	J	1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	16		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.52	J	1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	0.45	J	1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: DDC-6-PS — Lab Sample ID: 460-210294-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.73	J	1.0	0.33	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DDC-6-PS (Continued)
Lab Sample ID: 460-210294-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	16		1.0	0.22	ug/L	1		8260C	Total/NA
Trichloroethene	0.40	J	1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: MW-3S OFFSITE
Lab Sample ID: 460-210294-9

No Detections.

Client Sample ID: MW-3D OFFSITE
Lab Sample ID: 460-210294-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.45	J	1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	78		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	33		1.0	0.25	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	0.75	J	1.0	0.24	ug/L	1		8260C	Total/NA
Trichloroethene	35		1.0	0.31	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 460-210294-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: MW-3S ONSITE
Lab Sample ID: 460-210294-1
Date Collected: 06/02/20 09:05
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/10/20 11:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/10/20 11:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/10/20 11:39	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 11:39	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/10/20 11:39	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/10/20 11:39	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/10/20 11:39	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/10/20 11:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/10/20 11:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/10/20 11:39	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/10/20 11:39	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/10/20 11:39	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/10/20 11:39	1
Acetone	**11**		5.0	4.4	ug/L			06/10/20 11:39	1
Benzene	1.0	U	1.0	0.20	ug/L			06/10/20 11:39	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/10/20 11:39	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/10/20 11:39	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/10/20 11:39	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/10/20 11:39	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/10/20 11:39	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/10/20 11:39	1
Chloroethane	1.0	U *	1.0	0.32	ug/L			06/10/20 11:39	1
Chloroform	**0.35**	**J**	1.0	0.33	ug/L			06/10/20 11:39	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/10/20 11:39	1
cis-1,2-Dichloroethene	**0.58**	**J**	1.0	0.22	ug/L			06/10/20 11:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/10/20 11:39	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/10/20 11:39	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/10/20 11:39	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/10/20 11:39	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/10/20 11:39	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/10/20 11:39	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/10/20 11:39	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/10/20 11:39	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/10/20 11:39	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/10/20 11:39	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/10/20 11:39	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/10/20 11:39	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/10/20 11:39	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/10/20 11:39	1
Styrene	1.0	U	1.0	0.42	ug/L			06/10/20 11:39	1
Tetrachloroethene	**2.2**		1.0	0.25	ug/L			06/10/20 11:39	1
Toluene	1.0	U	1.0	0.38	ug/L			06/10/20 11:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/10/20 11:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/10/20 11:39	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/10/20 11:39	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/10/20 11:39	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/10/20 11:39	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 11:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/10/20 11:39	1

Client Sample ID: MW-3S ONSITE
Lab Sample ID: 460-210294-1
Date Collected: 06/02/20 09:05
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/10/20 11:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*06/10/20 11:39*	*1*
4-Bromofluorobenzene	*102*		*76 - 120*		*06/10/20 11:39*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 124*		*06/10/20 11:39*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/10/20 11:39*	*1*

Client Sample ID: MW-3D ONSITE
Lab Sample ID: 460-210294-2
Date Collected: 06/02/20 09:52
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/10/20 12:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/10/20 12:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/10/20 12:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 12:03	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/10/20 12:03	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/10/20 12:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/10/20 12:03	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/10/20 12:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/10/20 12:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/10/20 12:03	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/10/20 12:03	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/10/20 12:03	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/10/20 12:03	1
Acetone	**6.6**		5.0	4.4	ug/L			06/10/20 12:03	1
Benzene	1.0	U	1.0	0.20	ug/L			06/10/20 12:03	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/10/20 12:03	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/10/20 12:03	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/10/20 12:03	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/10/20 12:03	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/10/20 12:03	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/10/20 12:03	1
Chloroethane	1.0	U *	1.0	0.32	ug/L			06/10/20 12:03	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/10/20 12:03	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/10/20 12:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/10/20 12:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/10/20 12:03	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/10/20 12:03	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/10/20 12:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/10/20 12:03	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/10/20 12:03	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/10/20 12:03	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/10/20 12:03	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/10/20 12:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/10/20 12:03	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/10/20 12:03	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/10/20 12:03	1

Client Sample ID: MW-3D ONSITE
Lab Sample ID: 460-210294-2
Date Collected: 06/02/20 09:52
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/10/20 12:03	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/10/20 12:03	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/10/20 12:03	1
Styrene	1.0	U	1.0	0.42	ug/L			06/10/20 12:03	1
Tetrachloroethene	**9.9**		1.0	0.25	ug/L			06/10/20 12:03	1
Toluene	1.0	U	1.0	0.38	ug/L			06/10/20 12:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/10/20 12:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/10/20 12:03	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/10/20 12:03	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/10/20 12:03	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/10/20 12:03	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 12:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/10/20 12:03	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/10/20 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*		*06/10/20 12:03*	*1*
4-Bromofluorobenzene	*102*		*76 - 120*		*06/10/20 12:03*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 124*		*06/10/20 12:03*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/10/20 12:03*	*1*

Client Sample ID: MW-14D
Lab Sample ID: 460-210294-3
Date Collected: 06/02/20 10:31
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/10/20 11:16	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/10/20 11:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/10/20 11:16	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 11:16	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/10/20 11:16	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/10/20 11:16	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/10/20 11:16	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/10/20 11:16	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/10/20 11:16	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/10/20 11:16	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/10/20 11:16	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/10/20 11:16	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/10/20 11:16	1
Acetone	**9.8**		5.0	4.4	ug/L			06/10/20 11:16	1
Benzene	1.0	U	1.0	0.20	ug/L			06/10/20 11:16	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/10/20 11:16	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/10/20 11:16	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/10/20 11:16	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/10/20 11:16	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/10/20 11:16	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/10/20 11:16	1
Chloroethane	1.0	U *	1.0	0.32	ug/L			06/10/20 11:16	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/10/20 11:16	1

Client Sample ID: MW-14D
Lab Sample ID: 460-210294-3
Date Collected: 06/02/20 10:31
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			06/10/20 11:16	1
cis-1,2-Dichloroethene	**0.27**	**J**	1.0	0.22	ug/L			06/10/20 11:16	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/10/20 11:16	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/10/20 11:16	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/10/20 11:16	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/10/20 11:16	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/10/20 11:16	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/10/20 11:16	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/10/20 11:16	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/10/20 11:16	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/10/20 11:16	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/10/20 11:16	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/10/20 11:16	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/10/20 11:16	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/10/20 11:16	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/10/20 11:16	1
Styrene	1.0	U	1.0	0.42	ug/L			06/10/20 11:16	1
Tetrachloroethene	**31**		1.0	0.25	ug/L			06/10/20 11:16	1
Toluene	1.0	U	1.0	0.38	ug/L			06/10/20 11:16	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/10/20 11:16	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/10/20 11:16	1
Trichloroethene	**1.4**		1.0	0.31	ug/L			06/10/20 11:16	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/10/20 11:16	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/10/20 11:16	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 11:16	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/10/20 11:16	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/10/20 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*		*06/10/20 11:16*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*06/10/20 11:16*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 124*		*06/10/20 11:16*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/10/20 11:16*	*1*

Client Sample ID: MW-14S
Lab Sample ID: 460-210294-4
Date Collected: 06/02/20 11:00
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/12/20 11:07	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/12/20 11:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/12/20 11:07	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/12/20 11:07	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/12/20 11:07	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/12/20 11:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/12/20 11:07	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/12/20 11:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/12/20 11:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/12/20 11:07	1

Client: New York State D.E.C.
Job ID: 460-210294-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: MW-14S
Lab Sample ID: 460-210294-4
Date Collected: 06/02/20 11:00
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/12/20 11:07	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/12/20 11:07	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/12/20 11:07	1
Acetone	5.0	U	5.0	4.4	ug/L			06/12/20 11:07	1
Benzene	1.0	U	1.0	0.20	ug/L			06/12/20 11:07	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/12/20 11:07	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/12/20 11:07	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/12/20 11:07	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/12/20 11:07	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/12/20 11:07	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/12/20 11:07	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/12/20 11:07	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/12/20 11:07	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/12/20 11:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/12/20 11:07	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/12/20 11:07	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/12/20 11:07	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/12/20 11:07	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/12/20 11:07	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/12/20 11:07	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/12/20 11:07	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/12/20 11:07	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/12/20 11:07	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/12/20 11:07	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/12/20 11:07	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/12/20 11:07	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/12/20 11:07	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/12/20 11:07	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/12/20 11:07	1
Styrene	1.0	U	1.0	0.42	ug/L			06/12/20 11:07	1
Tetrachloroethene	**6.2**		1.0	0.25	ug/L			06/12/20 11:07	1
Toluene	1.0	U	1.0	0.38	ug/L			06/12/20 11:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/12/20 11:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/12/20 11:07	1
Trichloroethene	**0.59**	**J**	1.0	0.31	ug/L			06/12/20 11:07	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/12/20 11:07	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/12/20 11:07	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/12/20 11:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/12/20 11:07	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/12/20 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*		*06/12/20 11:07*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*06/12/20 11:07*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*06/12/20 11:07*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/12/20 11:07*	*1*

Client: New York State D.E.C.
Job ID: 460-210294-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: DDC-5-PD
Date Collected: 06/02/20 11:54
Date Received: 06/03/20 17:30

Lab Sample ID: 460-210294-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/10/20 12:50	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/10/20 12:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/10/20 12:50	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 12:50	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/10/20 12:50	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/10/20 12:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/10/20 12:50	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/10/20 12:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/10/20 12:50	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/10/20 12:50	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/10/20 12:50	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/10/20 12:50	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/10/20 12:50	1
Acetone	**5.7**		5.0	4.4	ug/L			06/10/20 12:50	1
Benzene	1.0	U	1.0	0.20	ug/L			06/10/20 12:50	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/10/20 12:50	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/10/20 12:50	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/10/20 12:50	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/10/20 12:50	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/10/20 12:50	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/10/20 12:50	1
Chloroethane	1.0	U *	1.0	0.32	ug/L			06/10/20 12:50	1
Chloroform	**0.93**	**J**	1.0	0.33	ug/L			06/10/20 12:50	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/10/20 12:50	1
cis-1,2-Dichloroethene	**14**		1.0	0.22	ug/L			06/10/20 12:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/10/20 12:50	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/10/20 12:50	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/10/20 12:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/10/20 12:50	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/10/20 12:50	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/10/20 12:50	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/10/20 12:50	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/10/20 12:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/10/20 12:50	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/10/20 12:50	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/10/20 12:50	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/10/20 12:50	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/10/20 12:50	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/10/20 12:50	1
Styrene	1.0	U	1.0	0.42	ug/L			06/10/20 12:50	1
Tetrachloroethene	**1.1**		1.0	0.25	ug/L			06/10/20 12:50	1
Toluene	1.0	U	1.0	0.38	ug/L			06/10/20 12:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/10/20 12:50	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/10/20 12:50	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/10/20 12:50	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/10/20 12:50	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/10/20 12:50	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 12:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/10/20 12:50	1

Client Sample ID: DDC-5-PD
Lab Sample ID: 460-210294-5
Date Collected: 06/02/20 11:54
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/10/20 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 123*		*06/10/20 12:50*	*1*
4-Bromofluorobenzene	*106*		*76 - 120*		*06/10/20 12:50*	*1*
Dibromofluoromethane (Surr)	*110*		*77 - 124*		*06/10/20 12:50*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*06/10/20 12:50*	*1*

Client Sample ID: DDC-5-PS
Lab Sample ID: 460-210294-6
Date Collected: 06/02/20 12:18
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/10/20 13:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/10/20 13:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/10/20 13:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 13:14	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/10/20 13:14	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/10/20 13:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/10/20 13:14	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/10/20 13:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/10/20 13:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/10/20 13:14	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/10/20 13:14	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/10/20 13:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/10/20 13:14	1
Acetone	**5.9**		5.0	4.4	ug/L			06/10/20 13:14	1
Benzene	1.0	U	1.0	0.20	ug/L			06/10/20 13:14	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/10/20 13:14	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/10/20 13:14	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/10/20 13:14	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/10/20 13:14	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/10/20 13:14	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/10/20 13:14	1
Chloroethane	1.0	U *	1.0	0.32	ug/L			06/10/20 13:14	1
Chloroform	**1.1**		1.0	0.33	ug/L			06/10/20 13:14	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/10/20 13:14	1
cis-1,2-Dichloroethene	**17**		1.0	0.22	ug/L			06/10/20 13:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/10/20 13:14	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/10/20 13:14	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/10/20 13:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/10/20 13:14	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/10/20 13:14	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/10/20 13:14	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/10/20 13:14	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/10/20 13:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/10/20 13:14	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/10/20 13:14	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/10/20 13:14	1

Client Sample ID: DDC-5-PS
Lab Sample ID: 460-210294-6

Date Collected: 06/02/20 12:18
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/10/20 13:14	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/10/20 13:14	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/10/20 13:14	1
Styrene	1.0	U	1.0	0.42	ug/L			06/10/20 13:14	1
Tetrachloroethene	**1.2**		1.0	0.25	ug/L			06/10/20 13:14	1
Toluene	1.0	U	1.0	0.38	ug/L			06/10/20 13:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/10/20 13:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/10/20 13:14	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/10/20 13:14	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/10/20 13:14	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/10/20 13:14	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 13:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/10/20 13:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/10/20 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 123*		*06/10/20 13:14*	*1*
4-Bromofluorobenzene	*110*		*76 - 120*		*06/10/20 13:14*	*1*
Dibromofluoromethane (Surr)	*114*		*77 - 124*		*06/10/20 13:14*	*1*
Toluene-d8 (Surr)	*113*		*80 - 120*		*06/10/20 13:14*	*1*

Client Sample ID: DDC-6-PD
Lab Sample ID: 460-210294-7

Date Collected: 06/02/20 13:02
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/10/20 13:37	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/10/20 13:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/10/20 13:37	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 13:37	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/10/20 13:37	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/10/20 13:37	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/10/20 13:37	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/10/20 13:37	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/10/20 13:37	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/10/20 13:37	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/10/20 13:37	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/10/20 13:37	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/10/20 13:37	1
Acetone	**6.8**		5.0	4.4	ug/L			06/10/20 13:37	1
Benzene	1.0	U	1.0	0.20	ug/L			06/10/20 13:37	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/10/20 13:37	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/10/20 13:37	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/10/20 13:37	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/10/20 13:37	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/10/20 13:37	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/10/20 13:37	1
Chloroethane	1.0	U *	1.0	0.32	ug/L			06/10/20 13:37	1
Chloroform	**0.84**	**J**	1.0	0.33	ug/L			06/10/20 13:37	1

Client Sample ID: DDC-6-PD
Lab Sample ID: 460-210294-7
Date Collected: 06/02/20 13:02
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			06/10/20 13:37	1
cis-1,2-Dichloroethene	**16**		1.0	0.22	ug/L			06/10/20 13:37	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/10/20 13:37	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/10/20 13:37	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/10/20 13:37	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/10/20 13:37	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/10/20 13:37	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/10/20 13:37	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/10/20 13:37	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/10/20 13:37	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/10/20 13:37	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/10/20 13:37	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/10/20 13:37	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/10/20 13:37	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/10/20 13:37	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/10/20 13:37	1
Styrene	1.0	U	1.0	0.42	ug/L			06/10/20 13:37	1
Tetrachloroethene	**0.52**	**J**	1.0	0.25	ug/L			06/10/20 13:37	1
Toluene	1.0	U	1.0	0.38	ug/L			06/10/20 13:37	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/10/20 13:37	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/10/20 13:37	1
Trichloroethene	**0.45**	**J**	1.0	0.31	ug/L			06/10/20 13:37	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/10/20 13:37	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/10/20 13:37	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 13:37	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/10/20 13:37	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/10/20 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 123*		*06/10/20 13:37*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*06/10/20 13:37*	*1*
Dibromofluoromethane (Surr)	*110*		*77 - 124*		*06/10/20 13:37*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*06/10/20 13:37*	*1*

Client Sample ID: DDC-6-PS
Lab Sample ID: 460-210294-8
Date Collected: 06/02/20 13:32
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/10/20 14:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/10/20 14:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/10/20 14:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 14:01	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/10/20 14:01	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/10/20 14:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/10/20 14:01	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/10/20 14:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/10/20 14:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/10/20 14:01	1

Client: New York State D.E.C.
Job ID: 460-210294-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: DDC-6-PS
Lab Sample ID: 460-210294-8
Date Collected: 06/02/20 13:32
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/10/20 14:01	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/10/20 14:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/10/20 14:01	1
Acetone	5.0	U	5.0	4.4	ug/L			06/10/20 14:01	1
Benzene	1.0	U	1.0	0.20	ug/L			06/10/20 14:01	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/10/20 14:01	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/10/20 14:01	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/10/20 14:01	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/10/20 14:01	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/10/20 14:01	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/10/20 14:01	1
Chloroethane	1.0	U *	1.0	0.32	ug/L			06/10/20 14:01	1
Chloroform	**0.73**	**J**	1.0	0.33	ug/L			06/10/20 14:01	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/10/20 14:01	1
cis-1,2-Dichloroethene	**16**		1.0	0.22	ug/L			06/10/20 14:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/10/20 14:01	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/10/20 14:01	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/10/20 14:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/10/20 14:01	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/10/20 14:01	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/10/20 14:01	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/10/20 14:01	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/10/20 14:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/10/20 14:01	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/10/20 14:01	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/10/20 14:01	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/10/20 14:01	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/10/20 14:01	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/10/20 14:01	1
Styrene	1.0	U	1.0	0.42	ug/L			06/10/20 14:01	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/10/20 14:01	1
Toluene	1.0	U	1.0	0.38	ug/L			06/10/20 14:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/10/20 14:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/10/20 14:01	1
Trichloroethene	**0.40**	**J**	1.0	0.31	ug/L			06/10/20 14:01	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/10/20 14:01	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/10/20 14:01	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 14:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/10/20 14:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/10/20 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 123*		*06/10/20 14:01*	*1*
4-Bromofluorobenzene	*105*		*76 - 120*		*06/10/20 14:01*	*1*
Dibromofluoromethane (Surr)	*109*		*77 - 124*		*06/10/20 14:01*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*06/10/20 14:01*	*1*

Client: New York State D.E.C.
Job ID: 460-210294-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: MW-3S OFFSITE
Lab Sample ID: 460-210294-9

Date Collected: 06/02/20 13:57
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/10/20 14:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/10/20 14:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/10/20 14:25	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 14:25	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/10/20 14:25	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/10/20 14:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/10/20 14:25	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/10/20 14:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/10/20 14:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/10/20 14:25	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/10/20 14:25	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/10/20 14:25	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/10/20 14:25	1
Acetone	5.0	U	5.0	4.4	ug/L			06/10/20 14:25	1
Benzene	1.0	U	1.0	0.20	ug/L			06/10/20 14:25	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/10/20 14:25	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/10/20 14:25	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/10/20 14:25	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/10/20 14:25	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/10/20 14:25	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/10/20 14:25	1
Chloroethane	1.0	U *	1.0	0.32	ug/L			06/10/20 14:25	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/10/20 14:25	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/10/20 14:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/10/20 14:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/10/20 14:25	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/10/20 14:25	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/10/20 14:25	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/10/20 14:25	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/10/20 14:25	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/10/20 14:25	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/10/20 14:25	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/10/20 14:25	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/10/20 14:25	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/10/20 14:25	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/10/20 14:25	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/10/20 14:25	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/10/20 14:25	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/10/20 14:25	1
Styrene	1.0	U	1.0	0.42	ug/L			06/10/20 14:25	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/10/20 14:25	1
Toluene	1.0	U	1.0	0.38	ug/L			06/10/20 14:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/10/20 14:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/10/20 14:25	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/10/20 14:25	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/10/20 14:25	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/10/20 14:25	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 14:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/10/20 14:25	1

Client Sample ID: MW-3S OFFSITE
Lab Sample ID: 460-210294-9
Date Collected: 06/02/20 13:57
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/10/20 14:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*06/10/20 14:25*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*06/10/20 14:25*	*1*
Dibromofluoromethane (Surr)	*106*		*77 - 124*		*06/10/20 14:25*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/10/20 14:25*	*1*

Client Sample ID: MW-3D OFFSITE
Lab Sample ID: 460-210294-10
Date Collected: 06/02/20 14:29
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/10/20 14:48	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/10/20 14:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/10/20 14:48	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 14:48	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/10/20 14:48	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/10/20 14:48	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/10/20 14:48	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/10/20 14:48	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/10/20 14:48	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/10/20 14:48	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/10/20 14:48	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/10/20 14:48	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/10/20 14:48	1
Acetone	5.0	U	5.0	4.4	ug/L			06/10/20 14:48	1
Benzene	1.0	U	1.0	0.20	ug/L			06/10/20 14:48	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/10/20 14:48	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/10/20 14:48	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/10/20 14:48	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/10/20 14:48	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/10/20 14:48	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/10/20 14:48	1
Chloroethane	1.0	U *	1.0	0.32	ug/L			06/10/20 14:48	1
Chloroform	**0.45**	**J**	1.0	0.33	ug/L			06/10/20 14:48	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/10/20 14:48	1
cis-1,2-Dichloroethene	**78**		1.0	0.22	ug/L			06/10/20 14:48	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/10/20 14:48	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/10/20 14:48	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/10/20 14:48	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/10/20 14:48	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/10/20 14:48	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/10/20 14:48	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/10/20 14:48	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/10/20 14:48	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/10/20 14:48	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/10/20 14:48	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/10/20 14:48	1

Client: New York State D.E.C.
Job ID: 460-210294-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: MW-3D OFFSITE
Lab Sample ID: 460-210294-10
Date Collected: 06/02/20 14:29
Matrix: Water
Date Received: 06/03/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/10/20 14:48	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/10/20 14:48	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/10/20 14:48	1
Styrene	1.0	U	1.0	0.42	ug/L			06/10/20 14:48	1
Tetrachloroethene	**33**		1.0	0.25	ug/L			06/10/20 14:48	1
Toluene	1.0	U	1.0	0.38	ug/L			06/10/20 14:48	1
trans-1,2-Dichloroethene	**0.75**	**J**	1.0	0.24	ug/L			06/10/20 14:48	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/10/20 14:48	1
Trichloroethene	**35**		1.0	0.31	ug/L			06/10/20 14:48	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/10/20 14:48	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/10/20 14:48	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 14:48	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/10/20 14:48	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/10/20 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*		*06/10/20 14:48*	*1*
4-Bromofluorobenzene	*100*		*76 - 120*		*06/10/20 14:48*	*1*
Dibromofluoromethane (Surr)	*106*		*77 - 124*		*06/10/20 14:48*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/10/20 14:48*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Job ID: 460-210294-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
460-210294-1	MW-3S ONSITE	104	102	104	103
460-210294-2	MW-3D ONSITE	102	102	104	103
460-210294-3	MW-14D	103	101	104	102
460-210294-3 MS	MW-14D	105	105	107	106
460-210294-3 MSD	MW-14D	109	115	112	115
460-210294-4	MW-14S	98	104	102	101
460-210294-5	DDC-5-PD	108	106	110	108
460-210294-6	DDC-5-PS	112	110	114	113
460-210294-7	DDC-6-PD	109	104	110	106
460-210294-8	DDC-6-PS	108	105	109	105
460-210294-9	MW-3S OFFSITE	104	101	106	104
460-210294-10	MW-3D OFFSITE	103	100	106	102
LCS 460-700238/4	Lab Control Sample	103	106	106	105
LCS 460-700823/4	Lab Control Sample	93	99	102	103
LCSD 460-700238/5	Lab Control Sample Dup	104	109	107	107
LCSD 460-700823/5	Lab Control Sample Dup	101	98	106	104
MB 460-700238/9	Method Blank	105	105	107	104
MB 460-700823/9	Method Blank	97	102	101	103

Surrogate Legend

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

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

Lab Sample ID: MB 460-700238/9
Matrix: Water
Analysis Batch: 700238

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	1.0	U	1.0	0.24	ug/L			06/10/20 09:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/10/20 09:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/10/20 09:17	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 09:17	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/10/20 09:17	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/10/20 09:17	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/10/20 09:17	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/10/20 09:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/10/20 09:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/10/20 09:17	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/10/20 09:17	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/10/20 09:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/10/20 09:17	1
Acetone	5.0	U	5.0	4.4	ug/L			06/10/20 09:17	1
Benzene	1.0	U	1.0	0.20	ug/L			06/10/20 09:17	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/10/20 09:17	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/10/20 09:17	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/10/20 09:17	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/10/20 09:17	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/10/20 09:17	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/10/20 09:17	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/10/20 09:17	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/10/20 09:17	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/10/20 09:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/10/20 09:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/10/20 09:17	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/10/20 09:17	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/10/20 09:17	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/10/20 09:17	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/10/20 09:17	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/10/20 09:17	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/10/20 09:17	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/10/20 09:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/10/20 09:17	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/10/20 09:17	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/10/20 09:17	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/10/20 09:17	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/10/20 09:17	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/10/20 09:17	1
Styrene	1.0	U	1.0	0.42	ug/L			06/10/20 09:17	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/10/20 09:17	1
Toluene	1.0	U	1.0	0.38	ug/L			06/10/20 09:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/10/20 09:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/10/20 09:17	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/10/20 09:17	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/10/20 09:17	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/10/20 09:17	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 09:17	1

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

Lab Sample ID: MB 460-700238/9
Matrix: Water
Analysis Batch: 700238

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/10/20 09:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/10/20 09:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 123*		*06/10/20 09:17*	*1*
4-Bromofluorobenzene	*105*		*76 - 120*		*06/10/20 09:17*	*1*
Dibromofluoromethane (Surr)	*107*		*77 - 124*		*06/10/20 09:17*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/10/20 09:17*	*1*

Lab Sample ID: LCS 460-700238/4
Matrix: Water
Analysis Batch: 700238

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	21.1		ug/L		106	68 - 128
1,1,2,2-Tetrachloroethane	20.0	18.2		ug/L		91	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.8		ug/L		109	59 - 142
1,1,2-Trichloroethane	20.0	18.5		ug/L		92	74 - 125
1,1-Dichloroethane	20.0	20.7		ug/L		104	73 - 130
1,1-Dichloroethene	20.0	20.5		ug/L		103	68 - 133
1,2,4-Trichlorobenzene	20.0	20.0		ug/L		100	64 - 132
1,2-Dichloropropane	20.0	20.5		ug/L		103	76 - 126
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 121
1,4-Dichlorobenzene	20.0	20.5		ug/L		102	80 - 118
2-Butanone (MEK)	100	92.5		ug/L		93	69 - 128
2-Hexanone	100	104		ug/L		104	74 - 127
4-Methyl-2-pentanone (MIBK)	100	105		ug/L		105	78 - 125
Acetone	100	103		ug/L		103	61 - 134
Benzene	20.0	20.5		ug/L		103	78 - 126
Bromoform	20.0	19.2		ug/L		96	38 - 144
Bromomethane	20.0	21.2		ug/L		106	10 - 150
Carbon disulfide	20.0	21.8		ug/L		109	64 - 138
Carbon tetrachloride	20.0	22.1		ug/L		111	56 - 131
Chlorobenzene	20.0	20.6		ug/L		103	80 - 119
Chlorodibromomethane	20.0	19.5		ug/L		98	58 - 130
Chloroethane	20.0	30.7	*	ug/L		154	29 - 150
Chloroform	20.0	21.3		ug/L		106	78 - 125
Chloromethane	20.0	21.7		ug/L		109	38 - 150
cis-1,2-Dichloroethene	20.0	20.4		ug/L		102	78 - 121
cis-1,3-Dichloropropene	20.0	20.3		ug/L		102	74 - 125
Cyclohexane	20.0	22.2		ug/L		111	67 - 133
Dichlorobromomethane	20.0	20.7		ug/L		103	72 - 121
Dichlorodifluoromethane	20.0	16.8		ug/L		84	31 - 150
Ethylbenzene	20.0	21.1		ug/L		106	78 - 120
Ethylene Dibromide	20.0	19.0		ug/L		95	69 - 126
Isopropylbenzene	20.0	21.7		ug/L		109	79 - 125
Methyl acetate	40.0	39.2		ug/L		98	70 - 127
Methyl tert-butyl ether	20.0	19.9		ug/L		100	65 - 131

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

Lab Sample ID: LCS 460-700238/4
Matrix: Water
Analysis Batch: 700238

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	20.0	22.0		ug/L		110	60 - 139
Methylene Chloride	20.0	20.7		ug/L		104	74 - 127
m-Xylene & p-Xylene	20.0	20.4		ug/L		102	78 - 123
o-Xylene	20.0	20.6		ug/L		103	78 - 122
Xylenes, Total	40.0	40.9		ug/L		102	78 - 122
Styrene	20.0	21.0		ug/L		105	75 - 127
Tetrachloroethene	20.0	20.7		ug/L		104	70 - 127
Toluene	20.0	21.4		ug/L		107	78 - 119
trans-1,2-Dichloroethene	20.0	21.1		ug/L		106	74 - 126
trans-1,3-Dichloropropene	20.0	20.8		ug/L		104	66 - 127
Trichloroethene	20.0	20.0		ug/L		100	71 - 121
Trichlorofluoromethane	20.0	22.6		ug/L		113	61 - 140
Vinyl chloride	20.0	22.3		ug/L		112	61 - 144
1,2-Dichloroethane	20.0	20.3		ug/L		101	75 - 121
1,2-Dichlorobenzene	20.0	20.6		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	20.0	18.1		ug/L		90	41 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*
4-Bromofluorobenzene	*106*		*76 - 120*
Dibromofluoromethane (Surr)	*106*		*77 - 124*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: LCSD 460-700238/5
Matrix: Water
Analysis Batch: 700238

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	22.3		ug/L		111	68 - 128	5	30
1,1,2,2-Tetrachloroethane	20.0	18.9		ug/L		94	63 - 139	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.7		ug/L		114	59 - 142	4	30
1,1,2-Trichloroethane	20.0	19.1		ug/L		96	74 - 125	3	30
1,1-Dichloroethane	20.0	22.3		ug/L		112	73 - 130	8	30
1,1-Dichloroethene	20.0	22.0		ug/L		110	68 - 133	7	30
1,2,4-Trichlorobenzene	20.0	21.5		ug/L		107	64 - 132	7	30
1,2-Dichloropropane	20.0	21.8		ug/L		109	76 - 126	6	30
1,3-Dichlorobenzene	20.0	21.7		ug/L		108	80 - 121	7	30
1,4-Dichlorobenzene	20.0	21.3		ug/L		107	80 - 118	4	30
2-Butanone (MEK)	100	100		ug/L		100	69 - 128	8	30
2-Hexanone	100	113		ug/L		113	74 - 127	8	30
4-Methyl-2-pentanone (MIBK)	100	113		ug/L		113	78 - 125	7	30
Acetone	100	109		ug/L		109	61 - 134	6	30
Benzene	20.0	21.6		ug/L		108	78 - 126	5	30
Bromoform	20.0	19.8		ug/L		99	38 - 144	3	30
Bromomethane	20.0	27.7		ug/L		139	10 - 150	27	30
Carbon disulfide	20.0	23.5		ug/L		118	64 - 138	7	30
Carbon tetrachloride	20.0	22.4		ug/L		112	56 - 131	1	30
Chlorobenzene	20.0	21.7		ug/L		109	80 - 119	5	30

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

Lab Sample ID: LCSD 460-700238/5
Matrix: Water
Analysis Batch: 700238

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorodibromomethane	20.0	20.3		ug/L		101	58 - 130	4	30
Chloroethane	20.0	33.2	*	ug/L		166	29 - 150	8	30
Chloroform	20.0	22.3		ug/L		112	78 - 125	5	30
Chloromethane	20.0	23.6		ug/L		118	38 - 150	8	30
cis-1,2-Dichloroethene	20.0	21.8		ug/L		109	78 - 121	6	30
cis-1,3-Dichloropropene	20.0	21.3		ug/L		107	74 - 125	5	30
Cyclohexane	20.0	23.0		ug/L		115	67 - 133	3	30
Dichlorobromomethane	20.0	21.4		ug/L		107	72 - 121	3	30
Dichlorodifluoromethane	20.0	17.2		ug/L		86	31 - 150	2	30
Ethylbenzene	20.0	22.0		ug/L		110	78 - 120	4	30
Ethylene Dibromide	20.0	19.7		ug/L		98	69 - 126	3	30
Isopropylbenzene	20.0	22.7		ug/L		114	79 - 125	5	30
Methyl acetate	40.0	43.7		ug/L		109	70 - 127	11	30
Methyl tert-butyl ether	20.0	20.6		ug/L		103	65 - 131	3	30
Methylcyclohexane	20.0	23.8		ug/L		119	60 - 139	8	30
Methylene Chloride	20.0	21.6		ug/L		108	74 - 127	4	30
m-Xylene & p-Xylene	20.0	22.0		ug/L		110	78 - 123	8	30
o-Xylene	20.0	21.9		ug/L		110	78 - 122	6	30
Xylenes, Total	40.0	43.9		ug/L		110	78 - 122	7	30
Styrene	20.0	22.2		ug/L		111	75 - 127	5	30
Tetrachloroethene	20.0	22.6		ug/L		113	70 - 127	9	30
Toluene	20.0	22.2		ug/L		111	78 - 119	4	30
trans-1,2-Dichloroethene	20.0	21.4		ug/L		107	74 - 126	1	30
trans-1,3-Dichloropropene	20.0	21.2		ug/L		106	66 - 127	2	30
Trichloroethene	20.0	21.1		ug/L		106	71 - 121	6	30
Trichlorofluoromethane	20.0	24.6		ug/L		123	61 - 140	8	30
Vinyl chloride	20.0	23.2		ug/L		116	61 - 144	4	30
1,2-Dichloroethane	20.0	20.6		ug/L		103	75 - 121	2	30
1,2-Dichlorobenzene	20.0	21.0		ug/L		105	79 - 122	2	30
1,2-Dibromo-3-Chloropropane	20.0	18.4		ug/L		92	41 - 143	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*
4-Bromofluorobenzene	*109*		*76 - 120*
Dibromofluoromethane (Surr)	*107*		*77 - 124*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: 460-210294-3 MS
Matrix: Water
Analysis Batch: 700238

Client Sample ID: MW-14D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	1.0	U	20.0	22.7		ug/L		114	68 - 128
1,1,2,2-Tetrachloroethane	1.0	U	20.0	19.6		ug/L		98	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	20.0	23.1		ug/L		115	59 - 142
1,1,2-Trichloroethane	1.0	U	20.0	20.1		ug/L		100	74 - 125
1,1-Dichloroethane	1.0	U	20.0	22.2		ug/L		111	73 - 130
1,1-Dichloroethene	1.0	U	20.0	23.4		ug/L		117	68 - 133

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

Lab Sample ID: 460-210294-3 MS
Matrix: Water
Analysis Batch: 700238

Client Sample ID: MW-14D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	1.0	U	20.0	19.8		ug/L		99	64 - 132
1,2-Dichloropropane	1.0	U	20.0	21.8		ug/L		109	76 - 126
1,3-Dichlorobenzene	1.0	U	20.0	21.5		ug/L		107	80 - 121
1,4-Dichlorobenzene	1.0	U	20.0	20.6		ug/L		103	80 - 118
2-Butanone (MEK)	5.0	U	100	103		ug/L		103	69 - 128
2-Hexanone	5.0	U	100	117		ug/L		117	74 - 127
4-Methyl-2-pentanone (MIBK)	5.0	U	100	118		ug/L		118	78 - 125
Acetone	9.8		100	129		ug/L		120	61 - 134
Benzene	1.0	U	20.0	22.0		ug/L		110	78 - 126
Bromoform	1.0	U	20.0	20.2		ug/L		101	38 - 144
Bromomethane	1.0	U	20.0	17.8		ug/L		89	10 - 150
Carbon disulfide	1.0	U	20.0	22.9		ug/L		114	64 - 138
Carbon tetrachloride	1.0	U	20.0	23.5		ug/L		117	56 - 131
Chlorobenzene	1.0	U	20.0	22.3		ug/L		111	80 - 119
Chlorodibromomethane	1.0	U	20.0	20.6		ug/L		103	58 - 130
Chloroethane	1.0	U *	20.0	32.9	*	ug/L		164	29 - 150
Chloroform	1.0	U	20.0	22.9		ug/L		114	78 - 125
Chloromethane	1.0	U	20.0	23.2		ug/L		116	38 - 150
cis-1,2-Dichloroethene	0.27	J	20.0	22.0		ug/L		109	78 - 121
cis-1,3-Dichloropropene	1.0	U	20.0	20.1		ug/L		100	74 - 125
Cyclohexane	1.0	U	20.0	23.6		ug/L		118	67 - 133
Dichlorobromomethane	1.0	U	20.0	21.6		ug/L		108	72 - 121
Dichlorodifluoromethane	1.0	U	20.0	17.6		ug/L		88	31 - 150
Ethylbenzene	1.0	U	20.0	21.7		ug/L		108	78 - 120
Ethylene Dibromide	1.0	U	20.0	19.7		ug/L		99	69 - 126
Isopropylbenzene	1.0	U	20.0	22.9		ug/L		114	79 - 125
Methyl acetate	5.0	U	40.0	37.6		ug/L		94	70 - 127
Methyl tert-butyl ether	1.0	U	20.0	20.6		ug/L		103	65 - 131
Methylcyclohexane	1.0	U	20.0	22.9		ug/L		114	60 - 139
Methylene Chloride	1.0	U	20.0	22.4		ug/L		112	74 - 127
m-Xylene & p-Xylene	1.0	U	20.0	22.0		ug/L		110	78 - 123
o-Xylene	1.0	U	20.0	21.6		ug/L		108	78 - 122
Xylenes, Total	2.0	U	40.0	43.6		ug/L		109	78 - 122
Styrene	1.0	U	20.0	22.0		ug/L		110	75 - 127
Tetrachloroethene	31		20.0	49.0		ug/L		90	70 - 127
Toluene	1.0	U	20.0	22.6		ug/L		113	78 - 119
trans-1,2-Dichloroethene	1.0	U	20.0	22.2		ug/L		111	74 - 126
trans-1,3-Dichloropropene	1.0	U	20.0	20.3		ug/L		101	66 - 127
Trichloroethene	1.4		20.0	21.5		ug/L		101	71 - 121
Trichlorofluoromethane	1.0	U	20.0	24.4		ug/L		122	61 - 140
Vinyl chloride	1.0	U	20.0	24.2		ug/L		121	61 - 144
1,2-Dichloroethane	1.0	U	20.0	20.8		ug/L		104	75 - 121
1,2-Dichlorobenzene	1.0	U	20.0	20.7		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	17.8		ug/L		89	41 - 143

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 123*
4-Bromofluorobenzene	*105*		*76 - 120*

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

Lab Sample ID: 460-210294-3 MS
Matrix: Water
Analysis Batch: 700238

Client Sample ID: MW-14D
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	*107*		*77 - 124*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: 460-210294-3 MSD
Matrix: Water
Analysis Batch: 700238

Client Sample ID: MW-14D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	20.0	23.4		ug/L		117	68 - 128	3	30
1,1,2,2-Tetrachloroethane	1.0	U	20.0	20.1		ug/L		101	63 - 139	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	20.0	24.4		ug/L		122	59 - 142	6	30
1,1,2-Trichloroethane	1.0	U	20.0	21.4		ug/L		107	74 - 125	7	30
1,1-Dichloroethane	1.0	U	20.0	23.3		ug/L		117	73 - 130	5	30
1,1-Dichloroethene	1.0	U	20.0	24.2		ug/L		121	68 - 133	3	30
1,2,4-Trichlorobenzene	1.0	U	20.0	21.6		ug/L		108	64 - 132	9	30
1,2-Dichloropropane	1.0	U	20.0	22.3		ug/L		112	76 - 126	2	30
1,3-Dichlorobenzene	1.0	U	20.0	22.1		ug/L		110	80 - 121	3	30
1,4-Dichlorobenzene	1.0	U	20.0	22.3		ug/L		111	80 - 118	8	30
2-Butanone (MEK)	5.0	U	100	104		ug/L		104	69 - 128	0	30
2-Hexanone	5.0	U	100	119		ug/L		119	74 - 127	1	30
4-Methyl-2-pentanone (MIBK)	5.0	U	100	119		ug/L		119	78 - 125	1	30
Acetone	9.8		100	124		ug/L		114	61 - 134	4	30
Benzene	1.0	U	20.0	23.4		ug/L		117	78 - 126	6	30
Bromoform	1.0	U	20.0	20.8		ug/L		104	38 - 144	3	30
Bromomethane	1.0	U	20.0	27.6	*	ug/L		138	10 - 150	43	30
Carbon disulfide	1.0	U	20.0	25.3		ug/L		127	64 - 138	10	30
Carbon tetrachloride	1.0	U	20.0	25.0		ug/L		125	56 - 131	6	30
Chlorobenzene	1.0	U	20.0	23.2		ug/L		116	80 - 119	4	30
Chlorodibromomethane	1.0	U	20.0	21.4		ug/L		107	58 - 130	4	30
Chloroethane	1.0	U *	20.0	33.1	*	ug/L		166	29 - 150	1	30
Chloroform	1.0	U	20.0	23.8		ug/L		119	78 - 125	4	30
Chloromethane	1.0	U	20.0	25.5		ug/L		127	38 - 150	10	30
cis-1,2-Dichloroethene	0.27	J	20.0	22.8		ug/L		113	78 - 121	4	30
cis-1,3-Dichloropropene	1.0	U	20.0	21.8		ug/L		109	74 - 125	8	30
Cyclohexane	1.0	U	20.0	24.8		ug/L		124	67 - 133	5	30
Dichlorobromomethane	1.0	U	20.0	23.3		ug/L		117	72 - 121	8	30
Dichlorodifluoromethane	1.0	U	20.0	19.3		ug/L		96	31 - 150	9	30
Ethylbenzene	1.0	U	20.0	23.7		ug/L		118	78 - 120	9	30
Ethylene Dibromide	1.0	U	20.0	21.3		ug/L		107	69 - 126	8	30
Isopropylbenzene	1.0	U	20.0	24.3		ug/L		122	79 - 125	6	30
Methyl acetate	5.0	U	40.0	41.0		ug/L		102	70 - 127	9	30
Methyl tert-butyl ether	1.0	U	20.0	21.7		ug/L		109	65 - 131	5	30
Methylcyclohexane	1.0	U	20.0	24.3		ug/L		121	60 - 139	6	30
Methylene Chloride	1.0	U	20.0	22.8		ug/L		114	74 - 127	2	30
m-Xylene & p-Xylene	1.0	U	20.0	23.4		ug/L		117	78 - 123	6	30
o-Xylene	1.0	U	20.0	22.7		ug/L		114	78 - 122	5	30
Xylenes, Total	2.0	U	40.0	46.1		ug/L		115	78 - 122	5	30
Styrene	1.0	U	20.0	24.0		ug/L		120	75 - 127	8	30

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

Lab Sample ID: 460-210294-3 MSD
Matrix: Water
Analysis Batch: 700238

Client Sample ID: MW-14D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene	31		20.0	54.7		ug/L		118	70 - 127	11	30
Toluene	1.0	U	20.0	24.2	*	ug/L		121	78 - 119	7	30
trans-1,2-Dichloroethene	1.0	U	20.0	22.4		ug/L		112	74 - 126	1	30
trans-1,3-Dichloropropene	1.0	U	20.0	22.0		ug/L		110	66 - 127	8	30
Trichloroethene	1.4		20.0	24.0		ug/L		113	71 - 121	11	30
Trichlorofluoromethane	1.0	U	20.0	26.0		ug/L		130	61 - 140	7	30
Vinyl chloride	1.0	U	20.0	26.1		ug/L		131	61 - 144	8	30
1,2-Dichloroethane	1.0	U	20.0	22.1		ug/L		110	75 - 121	6	30
1,2-Dichlorobenzene	1.0	U	20.0	22.5		ug/L		112	79 - 122	8	30
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	18.8		ug/L		94	41 - 143	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*75 - 123*
4-Bromofluorobenzene	*115*		*76 - 120*
Dibromofluoromethane (Surr)	*112*		*77 - 124*
Toluene-d8 (Surr)	*115*		*80 - 120*

Lab Sample ID: MB 460-700823/9
Matrix: Water
Analysis Batch: 700823

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	1.0	U	1.0	0.24	ug/L			06/12/20 09:04	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/12/20 09:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/12/20 09:04	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/12/20 09:04	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/12/20 09:04	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/12/20 09:04	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/12/20 09:04	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/12/20 09:04	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/12/20 09:04	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/12/20 09:04	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/12/20 09:04	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/12/20 09:04	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/12/20 09:04	1
Acetone	5.0	U	5.0	4.4	ug/L			06/12/20 09:04	1
Benzene	1.0	U	1.0	0.20	ug/L			06/12/20 09:04	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/12/20 09:04	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/12/20 09:04	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/12/20 09:04	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/12/20 09:04	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/12/20 09:04	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/12/20 09:04	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/12/20 09:04	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/12/20 09:04	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/12/20 09:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/12/20 09:04	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/12/20 09:04	1

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

Lab Sample ID: MB 460-700823/9
Matrix: Water
Analysis Batch: 700823

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/12/20 09:04	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/12/20 09:04	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/12/20 09:04	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/12/20 09:04	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/12/20 09:04	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/12/20 09:04	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/12/20 09:04	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/12/20 09:04	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/12/20 09:04	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/12/20 09:04	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/12/20 09:04	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/12/20 09:04	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/12/20 09:04	1
Styrene	1.0	U	1.0	0.42	ug/L			06/12/20 09:04	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/12/20 09:04	1
Toluene	1.0	U	1.0	0.38	ug/L			06/12/20 09:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/12/20 09:04	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/12/20 09:04	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/12/20 09:04	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/12/20 09:04	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/12/20 09:04	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/12/20 09:04	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/12/20 09:04	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/12/20 09:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*		*06/12/20 09:04*	*1*
4-Bromofluorobenzene	*102*		*76 - 120*		*06/12/20 09:04*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*06/12/20 09:04*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/12/20 09:04*	*1*

Lab Sample ID: LCS 460-700823/4
Matrix: Water
Analysis Batch: 700823

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	18.9		ug/L		95	68 - 128
1,1,2,2-Tetrachloroethane	20.0	18.5		ug/L		93	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.6		ug/L		98	59 - 142
1,1,2-Trichloroethane	20.0	17.0		ug/L		85	74 - 125
1,1-Dichloroethane	20.0	18.1		ug/L		90	73 - 130
1,1-Dichloroethene	20.0	18.6		ug/L		93	68 - 133
1,2,4-Trichlorobenzene	20.0	19.7		ug/L		98	64 - 132
1,2-Dichloropropane	20.0	17.8		ug/L		89	76 - 126
1,3-Dichlorobenzene	20.0	18.2		ug/L		91	80 - 121
1,4-Dichlorobenzene	20.0	18.0		ug/L		90	80 - 118
2-Butanone (MEK)	100	96.4		ug/L		96	69 - 128
2-Hexanone	100	89.9		ug/L		90	74 - 127

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

Lab Sample ID: LCS 460-700823/4
Matrix: Water
Analysis Batch: 700823

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	100	98.5		ug/L		98	78 - 125
Acetone	100	101		ug/L		101	61 - 134
Benzene	20.0	18.7		ug/L		94	78 - 126
Bromoform	20.0	19.0		ug/L		95	38 - 144
Bromomethane	20.0	20.6		ug/L		103	10 - 150
Carbon disulfide	20.0	19.4		ug/L		97	64 - 138
Carbon tetrachloride	20.0	18.1		ug/L		91	56 - 131
Chlorobenzene	20.0	18.8		ug/L		94	80 - 119
Chlorodibromomethane	20.0	17.7		ug/L		88	58 - 130
Chloroethane	20.0	18.0		ug/L		90	29 - 150
Chloroform	20.0	18.8		ug/L		94	78 - 125
Chloromethane	20.0	16.6		ug/L		83	38 - 150
cis-1,2-Dichloroethene	20.0	18.3		ug/L		92	78 - 121
cis-1,3-Dichloropropene	20.0	17.8		ug/L		89	74 - 125
Cyclohexane	20.0	20.0		ug/L		100	67 - 133
Dichlorobromomethane	20.0	17.7		ug/L		89	72 - 121
Dichlorodifluoromethane	20.0	20.7		ug/L		104	31 - 150
Ethylbenzene	20.0	18.3		ug/L		92	78 - 120
Ethylene Dibromide	20.0	18.7		ug/L		94	69 - 126
Isopropylbenzene	20.0	19.4		ug/L		97	79 - 125
Methyl acetate	40.0	35.2		ug/L		88	70 - 127
Methyl tert-butyl ether	20.0	19.6		ug/L		98	65 - 131
Methylcyclohexane	20.0	19.4		ug/L		97	60 - 139
Methylene Chloride	20.0	19.3		ug/L		96	74 - 127
m-Xylene & p-Xylene	20.0	18.9		ug/L		94	78 - 123
o-Xylene	20.0	18.6		ug/L		93	78 - 122
Xylenes, Total	40.0	37.4		ug/L		94	78 - 122
Styrene	20.0	18.3		ug/L		91	75 - 127
Tetrachloroethene	20.0	18.9		ug/L		95	70 - 127
Toluene	20.0	18.2		ug/L		91	78 - 119
trans-1,2-Dichloroethene	20.0	18.2		ug/L		91	74 - 126
trans-1,3-Dichloropropene	20.0	18.2		ug/L		91	66 - 127
Trichloroethene	20.0	18.3		ug/L		92	71 - 121
Trichlorofluoromethane	20.0	20.9		ug/L		105	61 - 140
Vinyl chloride	20.0	19.2		ug/L		96	61 - 144
1,2-Dichloroethane	20.0	17.3		ug/L		87	75 - 121
1,2-Dichlorobenzene	20.0	18.5		ug/L		92	79 - 122
1,2-Dibromo-3-Chloropropane	20.0	17.6		ug/L		88	41 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 123*
4-Bromofluorobenzene	*99*		*76 - 120*
Dibromofluoromethane (Surr)	*102*		*77 - 124*
Toluene-d8 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: LCSD 460-700823/5
Matrix: Water
Analysis Batch: 700823

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	21.9		ug/L		110	68 - 128	15	30
1,1,2,2-Tetrachloroethane	20.0	21.8		ug/L		109	63 - 139	16	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	24.1		ug/L		120	59 - 142	20	30
1,1,2-Trichloroethane	20.0	21.5		ug/L		108	74 - 125	23	30
1,1-Dichloroethane	20.0	22.2		ug/L		111	73 - 130	21	30
1,1-Dichloroethene	20.0	22.8		ug/L		114	68 - 133	20	30
1,2,4-Trichlorobenzene	20.0	23.3		ug/L		117	64 - 132	17	30
1,2-Dichloropropane	20.0	20.3		ug/L		101	76 - 126	13	30
1,3-Dichlorobenzene	20.0	23.2		ug/L		116	80 - 121	24	30
1,4-Dichlorobenzene	20.0	21.4		ug/L		107	80 - 118	17	30
2-Butanone (MEK)	100	113		ug/L		113	69 - 128	16	30
2-Hexanone	100	102		ug/L		102	74 - 127	12	30
4-Methyl-2-pentanone (MIBK)	100	105		ug/L		105	78 - 125	7	30
Acetone	100	101		ug/L		101	61 - 134	1	30
Benzene	20.0	22.6		ug/L		113	78 - 126	19	30
Bromoform	20.0	20.6		ug/L		103	38 - 144	8	30
Bromomethane	20.0	21.9		ug/L		110	10 - 150	6	30
Carbon disulfide	20.0	22.8		ug/L		114	64 - 138	16	30
Carbon tetrachloride	20.0	22.5		ug/L		113	56 - 131	22	30
Chlorobenzene	20.0	21.0		ug/L		105	80 - 119	11	30
Chlorodibromomethane	20.0	21.1		ug/L		105	58 - 130	17	30
Chloroethane	20.0	20.8		ug/L		104	29 - 150	15	30
Chloroform	20.0	22.6		ug/L		113	78 - 125	18	30
Chloromethane	20.0	19.9		ug/L		100	38 - 150	18	30
cis-1,2-Dichloroethene	20.0	21.8		ug/L		109	78 - 121	17	30
cis-1,3-Dichloropropene	20.0	21.3		ug/L		106	74 - 125	18	30
Cyclohexane	20.0	23.9		ug/L		119	67 - 133	18	30
Dichlorobromomethane	20.0	20.3		ug/L		101	72 - 121	13	30
Dichlorodifluoromethane	20.0	24.6		ug/L		123	31 - 150	17	30
Ethylbenzene	20.0	22.1		ug/L		111	78 - 120	19	30
Ethylene Dibromide	20.0	22.2		ug/L		111	69 - 126	17	30
Isopropylbenzene	20.0	22.8		ug/L		114	79 - 125	16	30
Methyl acetate	40.0	45.5		ug/L		114	70 - 127	26	30
Methyl tert-butyl ether	20.0	21.8		ug/L		109	65 - 131	11	30
Methylcyclohexane	20.0	22.9		ug/L		115	60 - 139	17	30
Methylene Chloride	20.0	23.0		ug/L		115	74 - 127	18	30
m-Xylene & p-Xylene	20.0	21.6		ug/L		108	78 - 123	13	30
o-Xylene	20.0	22.3		ug/L		112	78 - 122	18	30
Xylenes, Total	40.0	43.9		ug/L		110	78 - 122	16	30
Styrene	20.0	21.0		ug/L		105	75 - 127	14	30
Tetrachloroethene	20.0	21.7		ug/L		108	70 - 127	13	30
Toluene	20.0	21.6		ug/L		108	78 - 119	17	30
trans-1,2-Dichloroethene	20.0	23.6		ug/L		118	74 - 126	26	30
trans-1,3-Dichloropropene	20.0	21.3		ug/L		106	66 - 127	16	30
Trichloroethene	20.0	21.4		ug/L		107	71 - 121	16	30
Trichlorofluoromethane	20.0	24.3		ug/L		122	61 - 140	15	30
Vinyl chloride	20.0	21.3		ug/L		107	61 - 144	11	30
1,2-Dichloroethane	20.0	21.0		ug/L		105	75 - 121	19	30

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

Lab Sample ID: LCSD 460-700823/5
Matrix: Water
Analysis Batch: 700823

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene			20.0	22.5		ug/L		113	79 - 122	20	30
1,2-Dibromo-3-Chloropropane			20.0	22.0		ug/L		110	41 - 143	22	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*
4-Bromofluorobenzene	*98*		*76 - 120*
Dibromofluoromethane (Surr)	*106*		*77 - 124*
Toluene-d8 (Surr)	*104*		*80 - 120*

QC Association Summary

Client: New York State D.E.C.
Job ID: 460-210294-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

GC/MS VOA

Analysis Batch: 700238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-210294-1	MW-3S ONSITE	Total/NA	Water	8260C	
460-210294-2	MW-3D ONSITE	Total/NA	Water	8260C	
460-210294-3	MW-14D	Total/NA	Water	8260C	
460-210294-5	DDC-5-PD	Total/NA	Water	8260C	
460-210294-6	DDC-5-PS	Total/NA	Water	8260C	
460-210294-7	DDC-6-PD	Total/NA	Water	8260C	
460-210294-8	DDC-6-PS	Total/NA	Water	8260C	
460-210294-9	MW-3S OFFSITE	Total/NA	Water	8260C	
460-210294-10	MW-3D OFFSITE	Total/NA	Water	8260C	
MB 460-700238/9	Method Blank	Total/NA	Water	8260C	
LCS 460-700238/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-700238/5	Lab Control Sample Dup	Total/NA	Water	8260C	
460-210294-3 MS	MW-14D	Total/NA	Water	8260C	
460-210294-3 MSD	MW-14D	Total/NA	Water	8260C	

Analysis Batch: 700823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-210294-4	MW-14S	Total/NA	Water	8260C	
MB 460-700823/9	Method Blank	Total/NA	Water	8260C	
LCS 460-700823/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-700823/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-210294-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: MW-3S ONSITE
Lab Sample ID: 460-210294-1
Date Collected: 06/02/20 09:05
Matrix: Water
Date Received: 06/03/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700238	06/10/20 11:39	CJM	TAL EDI

Client Sample ID: MW-3D ONSITE
Lab Sample ID: 460-210294-2
Date Collected: 06/02/20 09:52
Matrix: Water
Date Received: 06/03/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700238	06/10/20 12:03	CJM	TAL EDI

Client Sample ID: MW-14D
Lab Sample ID: 460-210294-3
Date Collected: 06/02/20 10:31
Matrix: Water
Date Received: 06/03/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700238	06/10/20 11:16	CJM	TAL EDI

Client Sample ID: MW-14S
Lab Sample ID: 460-210294-4
Date Collected: 06/02/20 11:00
Matrix: Water
Date Received: 06/03/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700823	06/12/20 11:07	CJM	TAL EDI

Client Sample ID: DDC-5-PD
Lab Sample ID: 460-210294-5
Date Collected: 06/02/20 11:54
Matrix: Water
Date Received: 06/03/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700238	06/10/20 12:50	CJM	TAL EDI

Client Sample ID: DDC-5-PS
Lab Sample ID: 460-210294-6
Date Collected: 06/02/20 12:18
Matrix: Water
Date Received: 06/03/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700238	06/10/20 13:14	CJM	TAL EDI

Client Sample ID: DDC-6-PD
Lab Sample ID: 460-210294-7
Date Collected: 06/02/20 13:02
Matrix: Water
Date Received: 06/03/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700238	06/10/20 13:37	CJM	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-210294-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: DDC-6-PS
Lab Sample ID: 460-210294-8
Date Collected: 06/02/20 13:32
Matrix: Water
Date Received: 06/03/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700238	06/10/20 14:01	CJM	TAL EDI

Client Sample ID: MW-3S OFFSITE
Lab Sample ID: 460-210294-9
Date Collected: 06/02/20 13:57
Matrix: Water
Date Received: 06/03/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700238	06/10/20 14:25	CJM	TAL EDI

Client Sample ID: MW-3D OFFSITE
Lab Sample ID: 460-210294-10
Date Collected: 06/02/20 14:29
Matrix: Water
Date Received: 06/03/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700238	06/10/20 14:48	CJM	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 460-210294-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Laboratory: Eurofins TestAmerica, Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-20
DE Haz. Subst. Cleanup Act (HSCA)	State	<cert No.>	12-31-21
Georgia	State	12028 (NJ)	06-30-20
Massachusetts	State	M-NJ312	06-30-20
New Jersey	NELAP	12028	06-30-20
New York	NELAP	11452	04-01-21
Pennsylvania	NELAP	68-00522	02-28-21
Rhode Island	State	LAO00132	12-31-20
USDA	US Federal Programs	P330-18-00135	05-03-21

Method Summary

Client: New York State D.E.C.
Job ID: 460-210294-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

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

Protocol References:

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

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: New York State D.E.C.
Job ID: 460-210294-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-210294-1	MW-3S ONSITE	Water	06/02/20 09:05	06/03/20 17:30	
460-210294-2	MW-3D ONSITE	Water	06/02/20 09:52	06/03/20 17:30	
460-210294-3	MW-14D	Water	06/02/20 10:31	06/03/20 17:30	
460-210294-4	MW-14S	Water	06/02/20 11:00	06/03/20 17:30	
460-210294-5	DDC-5-PD	Water	06/02/20 11:54	06/03/20 17:30	
460-210294-6	DDC-5-PS	Water	06/02/20 12:18	06/03/20 17:30	
460-210294-7	DDC-6-PD	Water	06/02/20 13:02	06/03/20 17:30	
460-210294-8	DDC-6-PS	Water	06/02/20 13:32	06/03/20 17:30	
460-210294-9	MW-3S OFFSITE	Water	06/02/20 13:57	06/03/20 17:30	
460-210294-10	MW-3D OFFSITE	Water	06/02/20 14:29	06/03/20 17:30	

Chain of Custody Record 455184

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Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other: NYSDEC NYC

TAL-8210

Client Contact	Project Manager: IAN HOFMANN	Site Contact:	Date:	COC No: 22 of _____ COCs
Company Name: EAR	Tel/Email:	Lab Contact:	Carrier:	
Address: 225 ATLANTIC AVE.	Analysis Turnaround Time			Sampler:
City/State/Zip: PATCHOGUE, N.Y. 11772	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 631 447-6400	TAT if different from Below 10-DAY			Walk-in Client:
Fax:	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Sampling:
Project Name: DEC-EASTERN MORICHES/I-ADAMS				/ SDG No.: 210294
Site: 152140				
P O #				

460-210294 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs by EPA 8260B	Sample Specific Notes:
MW-3S ONSITE	6/2/20	9:05	G	AQ	3	N	N	3	1
MW-3D ONSITE	"	9:52	"	"	"	"	"	"	2
MW-14D	"	10:31	"	"	"	"	"	"	3
MW-14S	"	11:00	"	"	"	"	"	"	4
DDC-5-PD	"	11:54	"	"	"	"	"	"	5
DDC-5-PS	"	12:18	"	"	"	"	"	"	6
DDC-6-PD	"	13:02	"	"	"	"	"	"	7
DDC-6-PS	"	13:32	"	"	"	"	"	"	8
MW-3S offsite	"	13:57	"	"	"	"	"	"	9
MW-3D offsite	"	14:29	"	"	"	"	"	"	10
~~FIELDBLANK20200602~~	~~6/2/20~~	~~14:30~~	~~G~~	~~AQ~~	~~3~~	~~N~~	~~N~~	~~3~~	~~11~~

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
CAT "A" DELIVERABLES

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____		
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Ian A. Hofmann	EAR	6/2/20 15:00	EAR FRIDGE	EAR	6/2/20 15:09
Relinquished by: William A. Vigliotta FROM EAR FRIDGE	Company: EAR	Date/Time: 6-3-20 10:30	Received by:	Company: TA	Date/Time: 6/3/20 10:30
Relinquished by:	Company: TA	Date/Time: 6/3/20 1600	Received in Laboratory by:	Company: TA	Date/Time: 6 3 20 1600

Samuel 6 3 20 1730 3-2 IR 11 Isaiah D ETA 6/3/20 1730

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6/15/2020

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 240294

Number of Coolers: 1 IR Gun # 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.2 ℃	3.2 ℃	Cooler #4:	℃	℃	Cooler #7:	℃	℃
Cooler #2:	℃	℃	Cooler #5:	℃	℃	Cooler #8:	℃	℃
Cooler #3:	℃	℃	Cooler #6:	℃	℃	Cooler #9:	℃	℃

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: JC Date: 6/3/20

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 460-210294-1

Login Number: 210294 **List Source: Eurofins TestAmerica, Edison**
List Number: 1
Creator: Rivera, Kenneth

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-210359-1
Client Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Mr. Payson Long

Authorized for release by:
6/17/2020 9:59:57 AM

Julie Gilmore, Project Manager I
(484)685-0865
julie.gilmore@testamericainc.com

LINKS

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

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

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

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



Julie Gilmore
Project Manager I
6/17/2020 9:59:57 AM

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Definitions/Glossary

Client: New York State D.E.C.
Job ID: 460-210359-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	Duplicate RPD exceeds control limits
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

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

Job ID: 460-210359-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC - EASTFARMINGDALE1 SITE:152140

Report Number: 460-210359-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 06/04/2020; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.9 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-6S (460-210359-1), MW-15D (460-210359-2), MW-15S (460-210359-3), DDC-10-PD (460-210359-4), DDC-10-PS (460-210359-5), DDC-9-PD (460-210359-6), DDC-9-PS (460-210359-7), DDC-8-PD (460-210359-8), DDC-8-PS (460-210359-9), DDC-7-PD (460-210359-10), DDC-7-PS (460-210359-11), MW-1D(Onsite) (460-210359-12), MW-1S(Onsite) (460-210359-13), MW-Y (460-210359-14) and TripBlank20200603 (460-210359-15) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 06/12/2020, 06/13/2020 and 06/15/2020.

The continuing calibration verification (CCV) analyzed in batch 460-701023 was outside the method criteria for the following analyte(s): Chloromethane, Dichlorodifluoromethane and Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Bromomethane exceeded the RPD limit for the MSD of sample MW-1S(Onsite)MSD (460-210359-13) in batch 460-701375.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

Job ID: 460-210359-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Detection Summary

Client: New York State D.E.C.
Job ID: 460-210359-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: MW-6S — Lab Sample ID: 460-210359-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.8		1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: MW-15D — Lab Sample ID: 460-210359-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.0		1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.28	J	1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	50		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	0.39	J	1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: MW-15S — Lab Sample ID: 460-210359-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.6		1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.60	J	1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	21		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	0.35	J	1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: DDC-10-PD — Lab Sample ID: 460-210359-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.37	J	1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.2		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.45	J	1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: DDC-10-PS — Lab Sample ID: 460-210359-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.76	J	1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	9.6		1.0	0.22	ug/L	1		8260C	Total/NA

Client Sample ID: DDC-9-PD — Lab Sample ID: 460-210359-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.71	J	1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	10		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.26	J	1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	0.46	J	1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: DDC-9-PS — Lab Sample ID: 460-210359-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.43	J	1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	6.1		1.0	0.22	ug/L	1		8260C	Total/NA

Client Sample ID: DDC-8-PD — Lab Sample ID: 460-210359-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.70	J	1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	12		1.0	0.22	ug/L	1		8260C	Total/NA

Client Sample ID: DDC-8-PS — Lab Sample ID: 460-210359-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.75	J	1.0	0.33	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Edison

Detection Summary

Client: New York State D.E.C.
Job ID: 460-210359-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: DDC-8-PS (Continued)
Lab Sample ID: 460-210359-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	12		1.0	0.22	ug/L	1		8260C	Total/NA
Trichloroethene	0.38	J	1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: DDC-7-PD
Lab Sample ID: 460-210359-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.6		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	1.6		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	0.93	J	1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: DDC-7-PS
Lab Sample ID: 460-210359-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.76	J	1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	13		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.34	J	1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: MW-1D(Onsite)
Lab Sample ID: 460-210359-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.49	J	1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	25		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	32		1.0	0.25	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	0.41	J	1.0	0.24	ug/L	1		8260C	Total/NA
Trichloroethene	6.8		1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: MW-1S(Onsite)
Lab Sample ID: 460-210359-13

No Detections.

Client Sample ID: MW-Y
Lab Sample ID: 460-210359-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.53	J	1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	27		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	33		1.0	0.25	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	0.42	J	1.0	0.24	ug/L	1		8260C	Total/NA
Trichloroethene	6.6		1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: TripBlank20200603
Lab Sample ID: 460-210359-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	14		5.0	4.4	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	0.47	J	1.0	0.30	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 460-210359-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: MW-6S
Lab Sample ID: 460-210359-1
Date Collected: 06/03/20 08:24
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/12/20 22:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/12/20 22:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/12/20 22:25	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/12/20 22:25	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/12/20 22:25	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/12/20 22:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/12/20 22:25	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/12/20 22:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/12/20 22:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/12/20 22:25	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/12/20 22:25	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/12/20 22:25	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/12/20 22:25	1
Acetone	5.0	U	5.0	4.4	ug/L			06/12/20 22:25	1
Benzene	1.0	U	1.0	0.20	ug/L			06/12/20 22:25	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/12/20 22:25	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/12/20 22:25	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/12/20 22:25	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/12/20 22:25	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/12/20 22:25	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/12/20 22:25	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/12/20 22:25	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/12/20 22:25	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/12/20 22:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/12/20 22:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/12/20 22:25	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/12/20 22:25	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/12/20 22:25	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/12/20 22:25	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/12/20 22:25	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/12/20 22:25	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/12/20 22:25	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/12/20 22:25	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/12/20 22:25	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/12/20 22:25	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/12/20 22:25	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/12/20 22:25	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/12/20 22:25	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/12/20 22:25	1
Styrene	1.0	U	1.0	0.42	ug/L			06/12/20 22:25	1
Tetrachloroethene	**1.8**		1.0	0.25	ug/L			06/12/20 22:25	1
Toluene	1.0	U	1.0	0.38	ug/L			06/12/20 22:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/12/20 22:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/12/20 22:25	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/12/20 22:25	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/12/20 22:25	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/12/20 22:25	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/12/20 22:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/12/20 22:25	1

Client Sample ID: MW-6S
Lab Sample ID: 460-210359-1
Date Collected: 06/03/20 08:24
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/12/20 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 123*		*06/12/20 22:25*	*1*
4-Bromofluorobenzene	*91*		*76 - 120*		*06/12/20 22:25*	*1*
Dibromofluoromethane (Surr)	*92*		*77 - 124*		*06/12/20 22:25*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/12/20 22:25*	*1*

Client Sample ID: MW-15D
Lab Sample ID: 460-210359-2
Date Collected: 06/03/20 08:52
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/15/20 19:29	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/15/20 19:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/15/20 19:29	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/15/20 19:29	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/15/20 19:29	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/15/20 19:29	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/15/20 19:29	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/15/20 19:29	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/15/20 19:29	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/15/20 19:29	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/15/20 19:29	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/15/20 19:29	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/15/20 19:29	1
Acetone	5.0	U	5.0	4.4	ug/L			06/15/20 19:29	1
Benzene	1.0	U	1.0	0.20	ug/L			06/15/20 19:29	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/15/20 19:29	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/15/20 19:29	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/15/20 19:29	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/15/20 19:29	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/15/20 19:29	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/15/20 19:29	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/15/20 19:29	1
Chloroform	**1.0**		1.0	0.33	ug/L			06/15/20 19:29	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/15/20 19:29	1
cis-1,2-Dichloroethene	**0.28**	**J**	1.0	0.22	ug/L			06/15/20 19:29	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/15/20 19:29	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/15/20 19:29	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/15/20 19:29	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/15/20 19:29	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/15/20 19:29	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/15/20 19:29	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/15/20 19:29	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/15/20 19:29	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/15/20 19:29	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/15/20 19:29	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/15/20 19:29	1

Client Sample ID: MW-15D
Lab Sample ID: 460-210359-2
Date Collected: 06/03/20 08:52
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/15/20 19:29	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/15/20 19:29	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/15/20 19:29	1
Styrene	1.0	U	1.0	0.42	ug/L			06/15/20 19:29	1
Tetrachloroethene	**50**		1.0	0.25	ug/L			06/15/20 19:29	1
Toluene	1.0	U	1.0	0.38	ug/L			06/15/20 19:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/15/20 19:29	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/15/20 19:29	1
Trichloroethene	**0.39**	**J**	1.0	0.31	ug/L			06/15/20 19:29	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/15/20 19:29	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/15/20 19:29	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/15/20 19:29	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/15/20 19:29	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/15/20 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 123*		*06/15/20 19:29*	*1*
4-Bromofluorobenzene	*98*		*76 - 120*		*06/15/20 19:29*	*1*
Dibromofluoromethane (Surr)	*92*		*77 - 124*		*06/15/20 19:29*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/15/20 19:29*	*1*

Client Sample ID: MW-15S
Lab Sample ID: 460-210359-3
Date Collected: 06/03/20 09:17
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/15/20 19:05	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/15/20 19:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/15/20 19:05	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/15/20 19:05	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/15/20 19:05	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/15/20 19:05	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/15/20 19:05	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/15/20 19:05	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/15/20 19:05	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/15/20 19:05	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/15/20 19:05	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/15/20 19:05	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/15/20 19:05	1
Acetone	5.0	U	5.0	4.4	ug/L			06/15/20 19:05	1
Benzene	1.0	U	1.0	0.20	ug/L			06/15/20 19:05	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/15/20 19:05	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/15/20 19:05	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/15/20 19:05	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/15/20 19:05	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/15/20 19:05	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/15/20 19:05	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/15/20 19:05	1
Chloroform	**1.6**		1.0	0.33	ug/L			06/15/20 19:05	1

Client Sample ID: MW-15S
Lab Sample ID: 460-210359-3
Date Collected: 06/03/20 09:17
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			06/15/20 19:05	1
cis-1,2-Dichloroethene	**0.60**	**J**	1.0	0.22	ug/L			06/15/20 19:05	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/15/20 19:05	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/15/20 19:05	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/15/20 19:05	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/15/20 19:05	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/15/20 19:05	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/15/20 19:05	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/15/20 19:05	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/15/20 19:05	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/15/20 19:05	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/15/20 19:05	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/15/20 19:05	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/15/20 19:05	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/15/20 19:05	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/15/20 19:05	1
Styrene	1.0	U	1.0	0.42	ug/L			06/15/20 19:05	1
Tetrachloroethene	**21**		1.0	0.25	ug/L			06/15/20 19:05	1
Toluene	1.0	U	1.0	0.38	ug/L			06/15/20 19:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/15/20 19:05	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/15/20 19:05	1
Trichloroethene	**0.35**	**J**	1.0	0.31	ug/L			06/15/20 19:05	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/15/20 19:05	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/15/20 19:05	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/15/20 19:05	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/15/20 19:05	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/15/20 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 123*		*06/15/20 19:05*	*1*
4-Bromofluorobenzene	*107*		*76 - 120*		*06/15/20 19:05*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 124*		*06/15/20 19:05*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/15/20 19:05*	*1*

Client Sample ID: DDC-10-PD
Lab Sample ID: 460-210359-4
Date Collected: 06/03/20 09:52
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/12/20 23:13	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/12/20 23:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/12/20 23:13	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/12/20 23:13	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/12/20 23:13	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/12/20 23:13	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/12/20 23:13	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/12/20 23:13	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/12/20 23:13	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/12/20 23:13	1

Client Sample ID: DDC-10-PD
Lab Sample ID: 460-210359-4

Date Collected: 06/03/20 09:52
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/12/20 23:13	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/12/20 23:13	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/12/20 23:13	1
Acetone	5.0	U	5.0	4.4	ug/L			06/12/20 23:13	1
Benzene	1.0	U	1.0	0.20	ug/L			06/12/20 23:13	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/12/20 23:13	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/12/20 23:13	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/12/20 23:13	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/12/20 23:13	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/12/20 23:13	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/12/20 23:13	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/12/20 23:13	1
Chloroform	**0.37**	**J**	1.0	0.33	ug/L			06/12/20 23:13	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/12/20 23:13	1
cis-1,2-Dichloroethene	**2.2**		1.0	0.22	ug/L			06/12/20 23:13	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/12/20 23:13	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/12/20 23:13	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/12/20 23:13	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/12/20 23:13	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/12/20 23:13	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/12/20 23:13	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/12/20 23:13	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/12/20 23:13	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/12/20 23:13	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/12/20 23:13	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/12/20 23:13	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/12/20 23:13	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/12/20 23:13	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/12/20 23:13	1
Styrene	1.0	U	1.0	0.42	ug/L			06/12/20 23:13	1
Tetrachloroethene	**0.45**	**J**	1.0	0.25	ug/L			06/12/20 23:13	1
Toluene	1.0	U	1.0	0.38	ug/L			06/12/20 23:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/12/20 23:13	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/12/20 23:13	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/12/20 23:13	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/12/20 23:13	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/12/20 23:13	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/12/20 23:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/12/20 23:13	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/12/20 23:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 123*		*06/12/20 23:13*	*1*
4-Bromofluorobenzene	*90*		*76 - 120*		*06/12/20 23:13*	*1*
Dibromofluoromethane (Surr)	*86*		*77 - 124*		*06/12/20 23:13*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*06/12/20 23:13*	*1*

Client: New York State D.E.C.
Job ID: 460-210359-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: DDC-10-PS
Lab Sample ID: 460-210359-5
Date Collected: 06/03/20 10:15
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/12/20 23:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/12/20 23:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/12/20 23:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/12/20 23:36	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/12/20 23:36	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/12/20 23:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/12/20 23:36	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/12/20 23:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/12/20 23:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/12/20 23:36	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/12/20 23:36	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/12/20 23:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/12/20 23:36	1
Acetone	5.0	U	5.0	4.4	ug/L			06/12/20 23:36	1
Benzene	1.0	U	1.0	0.20	ug/L			06/12/20 23:36	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/12/20 23:36	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/12/20 23:36	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/12/20 23:36	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/12/20 23:36	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/12/20 23:36	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/12/20 23:36	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/12/20 23:36	1
Chloroform	**0.76**	**J**	1.0	0.33	ug/L			06/12/20 23:36	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/12/20 23:36	1
cis-1,2-Dichloroethene	**9.6**		1.0	0.22	ug/L			06/12/20 23:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/12/20 23:36	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/12/20 23:36	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/12/20 23:36	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/12/20 23:36	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/12/20 23:36	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/12/20 23:36	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/12/20 23:36	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/12/20 23:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/12/20 23:36	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/12/20 23:36	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/12/20 23:36	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/12/20 23:36	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/12/20 23:36	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/12/20 23:36	1
Styrene	1.0	U	1.0	0.42	ug/L			06/12/20 23:36	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/12/20 23:36	1
Toluene	1.0	U	1.0	0.38	ug/L			06/12/20 23:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/12/20 23:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/12/20 23:36	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/12/20 23:36	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/12/20 23:36	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/12/20 23:36	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/12/20 23:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/12/20 23:36	1

Client Sample ID: DDC-10-PS
Lab Sample ID: 460-210359-5

Date Collected: 06/03/20 10:15
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/12/20 23:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*06/12/20 23:36*	*1*
4-Bromofluorobenzene	*100*		*76 - 120*		*06/12/20 23:36*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*06/12/20 23:36*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/12/20 23:36*	*1*

Client Sample ID: DDC-9-PD
Lab Sample ID: 460-210359-6

Date Collected: 06/03/20 11:01
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/13/20 00:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/13/20 00:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/13/20 00:00	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/13/20 00:00	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/13/20 00:00	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/13/20 00:00	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/13/20 00:00	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/13/20 00:00	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/13/20 00:00	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/13/20 00:00	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/13/20 00:00	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/13/20 00:00	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/13/20 00:00	1
Acetone	5.0	U	5.0	4.4	ug/L			06/13/20 00:00	1
Benzene	1.0	U	1.0	0.20	ug/L			06/13/20 00:00	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/13/20 00:00	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/13/20 00:00	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/13/20 00:00	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/13/20 00:00	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/13/20 00:00	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/13/20 00:00	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/13/20 00:00	1
Chloroform	**0.71**	**J**	1.0	0.33	ug/L			06/13/20 00:00	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/13/20 00:00	1
cis-1,2-Dichloroethene	**10**		1.0	0.22	ug/L			06/13/20 00:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/13/20 00:00	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/13/20 00:00	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/13/20 00:00	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/13/20 00:00	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/13/20 00:00	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/13/20 00:00	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/13/20 00:00	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/13/20 00:00	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/13/20 00:00	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/13/20 00:00	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/13/20 00:00	1

Client Sample ID: DDC-9-PD
Lab Sample ID: 460-210359-6
Date Collected: 06/03/20 11:01
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/13/20 00:00	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/13/20 00:00	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/13/20 00:00	1
Styrene	1.0	U	1.0	0.42	ug/L			06/13/20 00:00	1
Tetrachloroethene	**0.26**	**J**	1.0	0.25	ug/L			06/13/20 00:00	1
Toluene	1.0	U	1.0	0.38	ug/L			06/13/20 00:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/13/20 00:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/13/20 00:00	1
Trichloroethene	**0.46**	**J**	1.0	0.31	ug/L			06/13/20 00:00	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/13/20 00:00	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/13/20 00:00	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/13/20 00:00	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/13/20 00:00	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/13/20 00:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*		*06/13/20 00:00*	*1*
4-Bromofluorobenzene	*95*		*76 - 120*		*06/13/20 00:00*	*1*
Dibromofluoromethane (Surr)	*93*		*77 - 124*		*06/13/20 00:00*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/13/20 00:00*	*1*

Client Sample ID: DDC-9-PS
Lab Sample ID: 460-210359-7
Date Collected: 06/03/20 11:33
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/13/20 00:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/13/20 00:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/13/20 00:23	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/13/20 00:23	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/13/20 00:23	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/13/20 00:23	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/13/20 00:23	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/13/20 00:23	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/13/20 00:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/13/20 00:23	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/13/20 00:23	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/13/20 00:23	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/13/20 00:23	1
Acetone	5.0	U	5.0	4.4	ug/L			06/13/20 00:23	1
Benzene	1.0	U	1.0	0.20	ug/L			06/13/20 00:23	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/13/20 00:23	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/13/20 00:23	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/13/20 00:23	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/13/20 00:23	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/13/20 00:23	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/13/20 00:23	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/13/20 00:23	1
Chloroform	**0.43**	**J**	1.0	0.33	ug/L			06/13/20 00:23	1

Client Sample ID: DDC-9-PS
Lab Sample ID: 460-210359-7
Date Collected: 06/03/20 11:33
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			06/13/20 00:23	1
cis-1,2-Dichloroethene	**6.1**		1.0	0.22	ug/L			06/13/20 00:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/13/20 00:23	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/13/20 00:23	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/13/20 00:23	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/13/20 00:23	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/13/20 00:23	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/13/20 00:23	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/13/20 00:23	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/13/20 00:23	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/13/20 00:23	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/13/20 00:23	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/13/20 00:23	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/13/20 00:23	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/13/20 00:23	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/13/20 00:23	1
Styrene	1.0	U	1.0	0.42	ug/L			06/13/20 00:23	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/13/20 00:23	1
Toluene	1.0	U	1.0	0.38	ug/L			06/13/20 00:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/13/20 00:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/13/20 00:23	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/13/20 00:23	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/13/20 00:23	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/13/20 00:23	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/13/20 00:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/13/20 00:23	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/13/20 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*		*06/13/20 00:23*	*1*
4-Bromofluorobenzene	*94*		*76 - 120*		*06/13/20 00:23*	*1*
Dibromofluoromethane (Surr)	*94*		*77 - 124*		*06/13/20 00:23*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*06/13/20 00:23*	*1*

Client Sample ID: DDC-8-PD
Lab Sample ID: 460-210359-8
Date Collected: 06/03/20 12:09
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/13/20 00:47	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/13/20 00:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/13/20 00:47	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/13/20 00:47	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/13/20 00:47	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/13/20 00:47	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/13/20 00:47	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/13/20 00:47	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/13/20 00:47	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/13/20 00:47	1

Client: New York State D.E.C.
Job ID: 460-210359-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: DDC-8-PD
Lab Sample ID: 460-210359-8
Date Collected: 06/03/20 12:09
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/13/20 00:47	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/13/20 00:47	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/13/20 00:47	1
Acetone	5.0	U	5.0	4.4	ug/L			06/13/20 00:47	1
Benzene	1.0	U	1.0	0.20	ug/L			06/13/20 00:47	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/13/20 00:47	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/13/20 00:47	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/13/20 00:47	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/13/20 00:47	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/13/20 00:47	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/13/20 00:47	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/13/20 00:47	1
Chloroform	**0.70**	**J**	1.0	0.33	ug/L			06/13/20 00:47	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/13/20 00:47	1
cis-1,2-Dichloroethene	**12**		1.0	0.22	ug/L			06/13/20 00:47	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/13/20 00:47	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/13/20 00:47	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/13/20 00:47	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/13/20 00:47	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/13/20 00:47	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/13/20 00:47	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/13/20 00:47	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/13/20 00:47	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/13/20 00:47	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/13/20 00:47	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/13/20 00:47	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/13/20 00:47	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/13/20 00:47	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/13/20 00:47	1
Styrene	1.0	U	1.0	0.42	ug/L			06/13/20 00:47	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/13/20 00:47	1
Toluene	1.0	U	1.0	0.38	ug/L			06/13/20 00:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/13/20 00:47	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/13/20 00:47	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/13/20 00:47	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/13/20 00:47	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/13/20 00:47	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/13/20 00:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/13/20 00:47	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/13/20 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 123*		*06/13/20 00:47*	*1*
4-Bromofluorobenzene	*94*		*76 - 120*		*06/13/20 00:47*	*1*
Dibromofluoromethane (Surr)	*92*		*77 - 124*		*06/13/20 00:47*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*06/13/20 00:47*	*1*

Client: New York State D.E.C.
Job ID: 460-210359-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: DDC-8-PS
Date Collected: 06/03/20 12:38
Date Received: 06/04/20 17:30

Lab Sample ID: 460-210359-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/13/20 01:11	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/13/20 01:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/13/20 01:11	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/13/20 01:11	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/13/20 01:11	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/13/20 01:11	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/13/20 01:11	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/13/20 01:11	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/13/20 01:11	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/13/20 01:11	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/13/20 01:11	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/13/20 01:11	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/13/20 01:11	1
Acetone	5.0	U	5.0	4.4	ug/L			06/13/20 01:11	1
Benzene	1.0	U	1.0	0.20	ug/L			06/13/20 01:11	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/13/20 01:11	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/13/20 01:11	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/13/20 01:11	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/13/20 01:11	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/13/20 01:11	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/13/20 01:11	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/13/20 01:11	1
Chloroform	**0.75**	**J**	1.0	0.33	ug/L			06/13/20 01:11	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/13/20 01:11	1
cis-1,2-Dichloroethene	**12**		1.0	0.22	ug/L			06/13/20 01:11	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/13/20 01:11	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/13/20 01:11	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/13/20 01:11	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/13/20 01:11	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/13/20 01:11	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/13/20 01:11	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/13/20 01:11	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/13/20 01:11	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/13/20 01:11	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/13/20 01:11	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/13/20 01:11	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/13/20 01:11	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/13/20 01:11	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/13/20 01:11	1
Styrene	1.0	U	1.0	0.42	ug/L			06/13/20 01:11	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/13/20 01:11	1
Toluene	1.0	U	1.0	0.38	ug/L			06/13/20 01:11	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/13/20 01:11	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/13/20 01:11	1
Trichloroethene	**0.38**	**J**	1.0	0.31	ug/L			06/13/20 01:11	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/13/20 01:11	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/13/20 01:11	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/13/20 01:11	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/13/20 01:11	1

Client Sample ID: DDC-8-PS
Lab Sample ID: 460-210359-9

Date Collected: 06/03/20 12:38
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/13/20 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*		*06/13/20 01:11*	*1*
4-Bromofluorobenzene	*93*		*76 - 120*		*06/13/20 01:11*	*1*
Dibromofluoromethane (Surr)	*93*		*77 - 124*		*06/13/20 01:11*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*06/13/20 01:11*	*1*

Client Sample ID: DDC-7-PD
Lab Sample ID: 460-210359-10

Date Collected: 06/03/20 13:17
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/13/20 01:35	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/13/20 01:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/13/20 01:35	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/13/20 01:35	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/13/20 01:35	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/13/20 01:35	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/13/20 01:35	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/13/20 01:35	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/13/20 01:35	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/13/20 01:35	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/13/20 01:35	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/13/20 01:35	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/13/20 01:35	1
Acetone	5.0	U	5.0	4.4	ug/L			06/13/20 01:35	1
Benzene	1.0	U	1.0	0.20	ug/L			06/13/20 01:35	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/13/20 01:35	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/13/20 01:35	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/13/20 01:35	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/13/20 01:35	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/13/20 01:35	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/13/20 01:35	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/13/20 01:35	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/13/20 01:35	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/13/20 01:35	1
cis-1,2-Dichloroethene	**3.6**		1.0	0.22	ug/L			06/13/20 01:35	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/13/20 01:35	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/13/20 01:35	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/13/20 01:35	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/13/20 01:35	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/13/20 01:35	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/13/20 01:35	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/13/20 01:35	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/13/20 01:35	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/13/20 01:35	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/13/20 01:35	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/13/20 01:35	1

Client Sample ID: DDC-7-PD
Lab Sample ID: 460-210359-10
Date Collected: 06/03/20 13:17
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/13/20 01:35	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/13/20 01:35	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/13/20 01:35	1
Styrene	1.0	U	1.0	0.42	ug/L			06/13/20 01:35	1
Tetrachloroethene	**1.6**		1.0	0.25	ug/L			06/13/20 01:35	1
Toluene	1.0	U	1.0	0.38	ug/L			06/13/20 01:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/13/20 01:35	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/13/20 01:35	1
Trichloroethene	**0.93**	**J**	1.0	0.31	ug/L			06/13/20 01:35	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/13/20 01:35	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/13/20 01:35	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/13/20 01:35	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/13/20 01:35	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/13/20 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*		*06/13/20 01:35*	*1*
4-Bromofluorobenzene	*93*		*76 - 120*		*06/13/20 01:35*	*1*
Dibromofluoromethane (Surr)	*92*		*77 - 124*		*06/13/20 01:35*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/13/20 01:35*	*1*

Client Sample ID: DDC-7-PS
Lab Sample ID: 460-210359-11
Date Collected: 06/03/20 13:44
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/13/20 01:58	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/13/20 01:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/13/20 01:58	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/13/20 01:58	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/13/20 01:58	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/13/20 01:58	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/13/20 01:58	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/13/20 01:58	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/13/20 01:58	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/13/20 01:58	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/13/20 01:58	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/13/20 01:58	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/13/20 01:58	1
Acetone	5.0	U	5.0	4.4	ug/L			06/13/20 01:58	1
Benzene	1.0	U	1.0	0.20	ug/L			06/13/20 01:58	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/13/20 01:58	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/13/20 01:58	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/13/20 01:58	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/13/20 01:58	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/13/20 01:58	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/13/20 01:58	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/13/20 01:58	1
Chloroform	**0.76**	**J**	1.0	0.33	ug/L			06/13/20 01:58	1

Client Sample ID: DDC-7-PS
Lab Sample ID: 460-210359-11

Date Collected: 06/03/20 13:44
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			06/13/20 01:58	1
cis-1,2-Dichloroethene	**13**		1.0	0.22	ug/L			06/13/20 01:58	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/13/20 01:58	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/13/20 01:58	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/13/20 01:58	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/13/20 01:58	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/13/20 01:58	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/13/20 01:58	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/13/20 01:58	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/13/20 01:58	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/13/20 01:58	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/13/20 01:58	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/13/20 01:58	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/13/20 01:58	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/13/20 01:58	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/13/20 01:58	1
Styrene	1.0	U	1.0	0.42	ug/L			06/13/20 01:58	1
Tetrachloroethene	**0.34**	**J**	1.0	0.25	ug/L			06/13/20 01:58	1
Toluene	1.0	U	1.0	0.38	ug/L			06/13/20 01:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/13/20 01:58	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/13/20 01:58	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/13/20 01:58	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/13/20 01:58	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/13/20 01:58	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/13/20 01:58	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/13/20 01:58	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/13/20 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 123*		*06/13/20 01:58*	*1*
4-Bromofluorobenzene	*92*		*76 - 120*		*06/13/20 01:58*	*1*
Dibromofluoromethane (Surr)	*90*		*77 - 124*		*06/13/20 01:58*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/13/20 01:58*	*1*

Client Sample ID: MW-1D(Onsite)
Lab Sample ID: 460-210359-12

Date Collected: 06/03/20 14:15
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/13/20 02:22	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/13/20 02:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/13/20 02:22	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/13/20 02:22	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/13/20 02:22	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/13/20 02:22	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/13/20 02:22	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/13/20 02:22	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/13/20 02:22	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/13/20 02:22	1

Client: New York State D.E.C.
Job ID: 460-210359-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: MW-1D(Onsite)
Lab Sample ID: 460-210359-12
Date Collected: 06/03/20 14:15
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/13/20 02:22	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/13/20 02:22	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/13/20 02:22	1
Acetone	5.0	U	5.0	4.4	ug/L			06/13/20 02:22	1
Benzene	1.0	U	1.0	0.20	ug/L			06/13/20 02:22	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/13/20 02:22	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/13/20 02:22	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/13/20 02:22	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/13/20 02:22	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/13/20 02:22	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/13/20 02:22	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/13/20 02:22	1
Chloroform	**0.49**	**J**	1.0	0.33	ug/L			06/13/20 02:22	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/13/20 02:22	1
cis-1,2-Dichloroethene	**25**		1.0	0.22	ug/L			06/13/20 02:22	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/13/20 02:22	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/13/20 02:22	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/13/20 02:22	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/13/20 02:22	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/13/20 02:22	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/13/20 02:22	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/13/20 02:22	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/13/20 02:22	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/13/20 02:22	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/13/20 02:22	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/13/20 02:22	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/13/20 02:22	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/13/20 02:22	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/13/20 02:22	1
Styrene	1.0	U	1.0	0.42	ug/L			06/13/20 02:22	1
Tetrachloroethene	**32**		1.0	0.25	ug/L			06/13/20 02:22	1
Toluene	1.0	U	1.0	0.38	ug/L			06/13/20 02:22	1
trans-1,2-Dichloroethene	**0.41**	**J**	1.0	0.24	ug/L			06/13/20 02:22	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/13/20 02:22	1
Trichloroethene	**6.8**		1.0	0.31	ug/L			06/13/20 02:22	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/13/20 02:22	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/13/20 02:22	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/13/20 02:22	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/13/20 02:22	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/13/20 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 123*		*06/13/20 02:22*	*1*
4-Bromofluorobenzene	*92*		*76 - 120*		*06/13/20 02:22*	*1*
Dibromofluoromethane (Surr)	*93*		*77 - 124*		*06/13/20 02:22*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*06/13/20 02:22*	*1*

Client: New York State D.E.C.
Job ID: 460-210359-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: MW-1S(Onsite)
Lab Sample ID: 460-210359-13
Date Collected: 06/03/20 14:33
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/15/20 18:42	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/15/20 18:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/15/20 18:42	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/15/20 18:42	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/15/20 18:42	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/15/20 18:42	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/15/20 18:42	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/15/20 18:42	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/15/20 18:42	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/15/20 18:42	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/15/20 18:42	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/15/20 18:42	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/15/20 18:42	1
Acetone	5.0	U	5.0	4.4	ug/L			06/15/20 18:42	1
Benzene	1.0	U	1.0	0.20	ug/L			06/15/20 18:42	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/15/20 18:42	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/15/20 18:42	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/15/20 18:42	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/15/20 18:42	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/15/20 18:42	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/15/20 18:42	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/15/20 18:42	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/15/20 18:42	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/15/20 18:42	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/15/20 18:42	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/15/20 18:42	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/15/20 18:42	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/15/20 18:42	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/15/20 18:42	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/15/20 18:42	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/15/20 18:42	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/15/20 18:42	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/15/20 18:42	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/15/20 18:42	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/15/20 18:42	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/15/20 18:42	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/15/20 18:42	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/15/20 18:42	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/15/20 18:42	1
Styrene	1.0	U	1.0	0.42	ug/L			06/15/20 18:42	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/15/20 18:42	1
Toluene	1.0	U	1.0	0.38	ug/L			06/15/20 18:42	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/15/20 18:42	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/15/20 18:42	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/15/20 18:42	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/15/20 18:42	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/15/20 18:42	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/15/20 18:42	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/15/20 18:42	1

Client Sample ID: MW-1S(Onsite)
Lab Sample ID: 460-210359-13
Date Collected: 06/03/20 14:33
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/15/20 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 123*		*06/15/20 18:42*	*1*
4-Bromofluorobenzene	*106*		*76 - 120*		*06/15/20 18:42*	*1*
Dibromofluoromethane (Surr)	*95*		*77 - 124*		*06/15/20 18:42*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/15/20 18:42*	*1*

Client Sample ID: MW-Y
Lab Sample ID: 460-210359-14
Date Collected: 06/03/20 00:00
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/13/20 03:09	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/13/20 03:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/13/20 03:09	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/13/20 03:09	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/13/20 03:09	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/13/20 03:09	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/13/20 03:09	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/13/20 03:09	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/13/20 03:09	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/13/20 03:09	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/13/20 03:09	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/13/20 03:09	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/13/20 03:09	1
Acetone	5.0	U	5.0	4.4	ug/L			06/13/20 03:09	1
Benzene	1.0	U	1.0	0.20	ug/L			06/13/20 03:09	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/13/20 03:09	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/13/20 03:09	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/13/20 03:09	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/13/20 03:09	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/13/20 03:09	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/13/20 03:09	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/13/20 03:09	1
Chloroform	**0.53**	**J**	1.0	0.33	ug/L			06/13/20 03:09	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/13/20 03:09	1
cis-1,2-Dichloroethene	**27**		1.0	0.22	ug/L			06/13/20 03:09	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/13/20 03:09	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/13/20 03:09	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/13/20 03:09	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/13/20 03:09	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/13/20 03:09	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/13/20 03:09	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/13/20 03:09	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/13/20 03:09	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/13/20 03:09	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/13/20 03:09	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/13/20 03:09	1

Client Sample ID: MW-Y
Lab Sample ID: 460-210359-14
Date Collected: 06/03/20 00:00
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/13/20 03:09	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/13/20 03:09	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/13/20 03:09	1
Styrene	1.0	U	1.0	0.42	ug/L			06/13/20 03:09	1
Tetrachloroethene	**33**		1.0	0.25	ug/L			06/13/20 03:09	1
Toluene	1.0	U	1.0	0.38	ug/L			06/13/20 03:09	1
trans-1,2-Dichloroethene	**0.42**	**J**	1.0	0.24	ug/L			06/13/20 03:09	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/13/20 03:09	1
Trichloroethene	**6.6**		1.0	0.31	ug/L			06/13/20 03:09	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/13/20 03:09	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/13/20 03:09	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/13/20 03:09	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/13/20 03:09	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/13/20 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*		*06/13/20 03:09*	*1*
4-Bromofluorobenzene	*92*		*76 - 120*		*06/13/20 03:09*	*1*
Dibromofluoromethane (Surr)	*91*		*77 - 124*		*06/13/20 03:09*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/13/20 03:09*	*1*

Client Sample ID: TripBlank20200603
Lab Sample ID: 460-210359-15
Date Collected: 06/03/20 00:00
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/12/20 22:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/12/20 22:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/12/20 22:02	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/12/20 22:02	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/12/20 22:02	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/12/20 22:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/12/20 22:02	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/12/20 22:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/12/20 22:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/12/20 22:02	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/12/20 22:02	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/12/20 22:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/12/20 22:02	1
Acetone	**14**		5.0	4.4	ug/L			06/12/20 22:02	1
Benzene	1.0	U	1.0	0.20	ug/L			06/12/20 22:02	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/12/20 22:02	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/12/20 22:02	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/12/20 22:02	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/12/20 22:02	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/12/20 22:02	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/12/20 22:02	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/12/20 22:02	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/12/20 22:02	1

Client: New York State D.E.C.
Job ID: 460-210359-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: TripBlank20200603
Lab Sample ID: 460-210359-15
Date Collected: 06/03/20 00:00
Matrix: Water
Date Received: 06/04/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			06/12/20 22:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/12/20 22:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/12/20 22:02	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/12/20 22:02	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/12/20 22:02	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/12/20 22:02	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/12/20 22:02	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/12/20 22:02	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/12/20 22:02	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/12/20 22:02	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/12/20 22:02	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/12/20 22:02	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/12/20 22:02	1
m-Xylene & p-Xylene	**0.47**	**J**	1.0	0.30	ug/L			06/12/20 22:02	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/12/20 22:02	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/12/20 22:02	1
Styrene	1.0	U	1.0	0.42	ug/L			06/12/20 22:02	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/12/20 22:02	1
Toluene	1.0	U	1.0	0.38	ug/L			06/12/20 22:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/12/20 22:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/12/20 22:02	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/12/20 22:02	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/12/20 22:02	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/12/20 22:02	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/12/20 22:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/12/20 22:02	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/12/20 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 123*		*06/12/20 22:02*	*1*
4-Bromofluorobenzene	*94*		*76 - 120*		*06/12/20 22:02*	*1*
Dibromofluoromethane (Surr)	*91*		*77 - 124*		*06/12/20 22:02*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*06/12/20 22:02*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Job ID: 460-210359-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
460-210359-1	MW-6S	92	91	92	92
460-210359-2	MW-15D	87	98	92	95
460-210359-3	MW-15S	94	107	98	102
460-210359-4	DDC-10-PD	90	90	86	89
460-210359-5	DDC-10-PS	101	100	99	100
460-210359-6	DDC-9-PD	95	95	93	95
460-210359-7	DDC-9-PS	95	94	94	94
460-210359-8	DDC-8-PD	94	94	92	94
460-210359-9	DDC-8-PS	95	93	93	93
460-210359-10	DDC-7-PD	95	93	92	92
460-210359-11	DDC-7-PS	93	92	90	92
460-210359-12	MW-1D(Onsite)	96	92	93	93
460-210359-13	MW-1S(Onsite)	91	106	95	100
460-210359-13 MS	MW-1S(Onsite)	89	99	94	96
460-210359-13 MSD	MW-1S(Onsite)	97	111	102	106
460-210359-14	MW-Y	95	92	91	92
460-210359-15	TripBlank20200603	90	94	91	93
LCS 460-701023/5	Lab Control Sample	90	92	92	92
LCS 460-701375/28	Lab Control Sample	90	102	95	98
LCSD 460-701023/6	Lab Control Sample Dup	98	103	99	102
LCSD 460-701375/29	Lab Control Sample Dup	91	102	94	100
MB 460-701023/11	Method Blank	93	94	91	94
MB 460-701375/30	Method Blank	90	104	95	98

Surrogate Legend

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

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

Lab Sample ID: MB 460-701023/11
Matrix: Water
Analysis Batch: 701023

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	1.0	U	1.0	0.24	ug/L			06/12/20 21:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/12/20 21:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/12/20 21:38	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/12/20 21:38	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/12/20 21:38	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/12/20 21:38	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/12/20 21:38	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/12/20 21:38	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/12/20 21:38	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/12/20 21:38	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/12/20 21:38	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/12/20 21:38	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/12/20 21:38	1
Acetone	5.0	U	5.0	4.4	ug/L			06/12/20 21:38	1
Benzene	1.0	U	1.0	0.20	ug/L			06/12/20 21:38	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/12/20 21:38	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/12/20 21:38	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/12/20 21:38	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/12/20 21:38	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/12/20 21:38	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/12/20 21:38	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/12/20 21:38	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/12/20 21:38	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/12/20 21:38	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/12/20 21:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/12/20 21:38	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/12/20 21:38	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/12/20 21:38	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/12/20 21:38	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/12/20 21:38	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/12/20 21:38	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/12/20 21:38	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/12/20 21:38	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/12/20 21:38	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/12/20 21:38	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/12/20 21:38	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/12/20 21:38	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/12/20 21:38	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/12/20 21:38	1
Styrene	1.0	U	1.0	0.42	ug/L			06/12/20 21:38	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/12/20 21:38	1
Toluene	1.0	U	1.0	0.38	ug/L			06/12/20 21:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/12/20 21:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/12/20 21:38	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/12/20 21:38	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/12/20 21:38	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/12/20 21:38	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/12/20 21:38	1

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

Lab Sample ID: MB 460-701023/11
Matrix: Water
Analysis Batch: 701023

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/12/20 21:38	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/12/20 21:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 123*		*06/12/20 21:38*	*1*
4-Bromofluorobenzene	*94*		*76 - 120*		*06/12/20 21:38*	*1*
Dibromofluoromethane (Surr)	*91*		*77 - 124*		*06/12/20 21:38*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*06/12/20 21:38*	*1*

Lab Sample ID: LCS 460-701023/5
Matrix: Water
Analysis Batch: 701023

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	20.1		ug/L		100	68 - 128
1,1,2,2-Tetrachloroethane	20.0	18.9		ug/L		94	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.7		ug/L		104	59 - 142
1,1,2-Trichloroethane	20.0	18.6		ug/L		93	74 - 125
1,1-Dichloroethane	20.0	19.6		ug/L		98	73 - 130
1,1-Dichloroethene	20.0	18.4		ug/L		92	68 - 133
1,2,4-Trichlorobenzene	20.0	21.0		ug/L		105	64 - 132
1,2-Dichloropropane	20.0	19.0		ug/L		95	76 - 126
1,3-Dichlorobenzene	20.0	19.7		ug/L		98	80 - 121
1,4-Dichlorobenzene	20.0	19.0		ug/L		95	80 - 118
2-Butanone (MEK)	100	91.9		ug/L		92	69 - 128
2-Hexanone	100	100		ug/L		100	74 - 127
4-Methyl-2-pentanone (MIBK)	100	97.1		ug/L		97	78 - 125
Acetone	100	82.3		ug/L		82	61 - 134
Benzene	20.0	20.0		ug/L		100	78 - 126
Bromoform	20.0	18.8		ug/L		94	38 - 144
Bromomethane	20.0	18.7		ug/L		93	10 - 150
Carbon disulfide	20.0	20.5		ug/L		103	64 - 138
Carbon tetrachloride	20.0	20.2		ug/L		101	56 - 131
Chlorobenzene	20.0	19.7		ug/L		99	80 - 119
Chlorodibromomethane	20.0	19.1		ug/L		96	58 - 130
Chloroethane	20.0	19.7		ug/L		99	29 - 150
Chloroform	20.0	19.4		ug/L		97	78 - 125
Chloromethane	20.0	19.4		ug/L		97	38 - 150
cis-1,2-Dichloroethene	20.0	19.7		ug/L		98	78 - 121
cis-1,3-Dichloropropene	20.0	19.8		ug/L		99	74 - 125
Cyclohexane	20.0	21.6		ug/L		108	67 - 133
Dichlorobromomethane	20.0	20.5		ug/L		102	72 - 121
Dichlorodifluoromethane	20.0	17.6		ug/L		88	31 - 150
Ethylbenzene	20.0	20.9		ug/L		104	78 - 120
Ethylene Dibromide	20.0	18.2		ug/L		91	69 - 126
Isopropylbenzene	20.0	20.9		ug/L		105	79 - 125
Methyl acetate	40.0	33.6		ug/L		84	70 - 127
Methyl tert-butyl ether	20.0	19.8		ug/L		99	65 - 131

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

Lab Sample ID: LCS 460-701023/5
Matrix: Water
Analysis Batch: 701023

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	20.0	20.6		ug/L		103	60 - 139
Methylene Chloride	20.0	18.0		ug/L		90	74 - 127
m-Xylene & p-Xylene	20.0	20.5		ug/L		102	78 - 123
o-Xylene	20.0	19.2		ug/L		96	78 - 122
Xylenes, Total	40.0	39.7		ug/L		99	78 - 122
Styrene	20.0	21.3		ug/L		106	75 - 127
Tetrachloroethene	20.0	20.1		ug/L		101	70 - 127
Toluene	20.0	20.4		ug/L		102	78 - 119
trans-1,2-Dichloroethene	20.0	19.7		ug/L		99	74 - 126
trans-1,3-Dichloropropene	20.0	19.7		ug/L		98	66 - 127
Trichloroethene	20.0	19.9		ug/L		100	71 - 121
Trichlorofluoromethane	20.0	19.4		ug/L		97	61 - 140
Vinyl chloride	20.0	18.9		ug/L		94	61 - 144
1,2-Dichloroethane	20.0	20.1		ug/L		100	75 - 121
1,2-Dichlorobenzene	20.0	20.9		ug/L		105	79 - 122
1,2-Dibromo-3-Chloropropane	20.0	18.7		ug/L		94	41 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 123*
4-Bromofluorobenzene	*92*		*76 - 120*
Dibromofluoromethane (Surr)	*92*		*77 - 124*
Toluene-d8 (Surr)	*92*		*80 - 120*

Lab Sample ID: LCSD 460-701023/6
Matrix: Water
Analysis Batch: 701023

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	22.1		ug/L		110	68 - 128	9	30
1,1,2,2-Tetrachloroethane	20.0	20.5		ug/L		102	63 - 139	8	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.2		ug/L		106	59 - 142	2	30
1,1,2-Trichloroethane	20.0	20.5		ug/L		102	74 - 125	10	30
1,1-Dichloroethane	20.0	21.0		ug/L		105	73 - 130	6	30
1,1-Dichloroethene	20.0	20.6		ug/L		103	68 - 133	11	30
1,2,4-Trichlorobenzene	20.0	22.6		ug/L		113	64 - 132	7	30
1,2-Dichloropropane	20.0	20.4		ug/L		102	76 - 126	7	30
1,3-Dichlorobenzene	20.0	22.1		ug/L		110	80 - 121	11	30
1,4-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 118	13	30
2-Butanone (MEK)	100	104		ug/L		104	69 - 128	12	30
2-Hexanone	100	109		ug/L		109	74 - 127	8	30
4-Methyl-2-pentanone (MIBK)	100	106		ug/L		106	78 - 125	9	30
Acetone	100	95.2		ug/L		95	61 - 134	15	30
Benzene	20.0	22.0		ug/L		110	78 - 126	9	30
Bromoform	20.0	21.6		ug/L		108	38 - 144	14	30
Bromomethane	20.0	22.0		ug/L		110	10 - 150	16	30
Carbon disulfide	20.0	22.4		ug/L		112	64 - 138	9	30
Carbon tetrachloride	20.0	22.0		ug/L		110	56 - 131	8	30
Chlorobenzene	20.0	21.8		ug/L		109	80 - 119	10	30

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

Lab Sample ID: LCSD 460-701023/6
Matrix: Water
Analysis Batch: 701023

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorodibromomethane			20.0	20.5		ug/L		103	58 - 130	7	30
Chloroethane			20.0	22.1		ug/L		110	29 - 150	11	30
Chloroform			20.0	21.8		ug/L		109	78 - 125	11	30
Chloromethane			20.0	20.4		ug/L		102	38 - 150	5	30
cis-1,2-Dichloroethene			20.0	21.0		ug/L		105	78 - 121	6	30
cis-1,3-Dichloropropene			20.0	22.0		ug/L		110	74 - 125	11	30
Cyclohexane			20.0	22.8		ug/L		114	67 - 133	5	30
Dichlorobromomethane			20.0	21.2		ug/L		106	72 - 121	4	30
Dichlorodifluoromethane			20.0	19.3		ug/L		96	31 - 150	9	30
Ethylbenzene			20.0	22.3		ug/L		112	78 - 120	7	30
Ethylene Dibromide			20.0	21.2		ug/L		106	69 - 126	15	30
Isopropylbenzene			20.0	23.0		ug/L		115	79 - 125	10	30
Methyl acetate			40.0	38.8		ug/L		97	70 - 127	14	30
Methyl tert-butyl ether			20.0	21.8		ug/L		109	65 - 131	10	30
Methylcyclohexane			20.0	22.2		ug/L		111	60 - 139	8	30
Methylene Chloride			20.0	17.5		ug/L		87	74 - 127	3	30
m-Xylene & p-Xylene			20.0	22.9		ug/L		114	78 - 123	11	30
o-Xylene			20.0	21.7		ug/L		109	78 - 122	12	30
Xylenes, Total			40.0	44.6		ug/L		112	78 - 122	12	30
Styrene			20.0	23.2		ug/L		116	75 - 127	9	30
Tetrachloroethene			20.0	21.4		ug/L		107	70 - 127	6	30
Toluene			20.0	22.1		ug/L		111	78 - 119	8	30
trans-1,2-Dichloroethene			20.0	21.0		ug/L		105	74 - 126	6	30
trans-1,3-Dichloropropene			20.0	21.9		ug/L		110	66 - 127	11	30
Trichloroethene			20.0	20.8		ug/L		104	71 - 121	4	30
Trichlorofluoromethane			20.0	21.3		ug/L		107	61 - 140	9	30
Vinyl chloride			20.0	20.3		ug/L		102	61 - 144	7	30
1,2-Dichloroethane			20.0	21.8		ug/L		109	75 - 121	8	30
1,2-Dichlorobenzene			20.0	22.8		ug/L		114	79 - 122	8	30
1,2-Dibromo-3-Chloropropane			20.0	21.2		ug/L		106	41 - 143	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*
4-Bromofluorobenzene	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*99*		*77 - 124*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 460-701375/30
Matrix: Water
Analysis Batch: 701375

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	1.0	U	1.0	0.24	ug/L			06/15/20 13:12	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/15/20 13:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/15/20 13:12	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/15/20 13:12	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/15/20 13:12	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/15/20 13:12	1

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

Lab Sample ID: MB 460-701375/30
Matrix: Water
Analysis Batch: 701375

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/15/20 13:12	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/15/20 13:12	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/15/20 13:12	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/15/20 13:12	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/15/20 13:12	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/15/20 13:12	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/15/20 13:12	1
Acetone	5.0	U	5.0	4.4	ug/L			06/15/20 13:12	1
Benzene	1.0	U	1.0	0.20	ug/L			06/15/20 13:12	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/15/20 13:12	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/15/20 13:12	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/15/20 13:12	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/15/20 13:12	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/15/20 13:12	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/15/20 13:12	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/15/20 13:12	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/15/20 13:12	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/15/20 13:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/15/20 13:12	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/15/20 13:12	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/15/20 13:12	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/15/20 13:12	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/15/20 13:12	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/15/20 13:12	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/15/20 13:12	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/15/20 13:12	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/15/20 13:12	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/15/20 13:12	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/15/20 13:12	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/15/20 13:12	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/15/20 13:12	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/15/20 13:12	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/15/20 13:12	1
Styrene	1.0	U	1.0	0.42	ug/L			06/15/20 13:12	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/15/20 13:12	1
Toluene	1.0	U	1.0	0.38	ug/L			06/15/20 13:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/15/20 13:12	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/15/20 13:12	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/15/20 13:12	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/15/20 13:12	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/15/20 13:12	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/15/20 13:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/15/20 13:12	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/15/20 13:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 123*		*06/15/20 13:12*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*06/15/20 13:12*	*1*

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

Lab Sample ID: MB 460-701375/30
Matrix: Water
Analysis Batch: 701375

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*95*		*77 - 124*		*06/15/20 13:12*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/15/20 13:12*	*1*

Lab Sample ID: LCS 460-701375/28
Matrix: Water
Analysis Batch: 701375

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	20.6		ug/L		103	68 - 128
1,1,2,2-Tetrachloroethane	20.0	18.8		ug/L		94	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.8		ug/L		104	59 - 142
1,1,2-Trichloroethane	20.0	19.3		ug/L		97	74 - 125
1,1-Dichloroethane	20.0	20.4		ug/L		102	73 - 130
1,1-Dichloroethene	20.0	20.4		ug/L		102	68 - 133
1,2,4-Trichlorobenzene	20.0	20.0		ug/L		100	64 - 132
1,2-Dichloropropane	20.0	20.0		ug/L		100	76 - 126
1,3-Dichlorobenzene	20.0	19.7		ug/L		98	80 - 121
1,4-Dichlorobenzene	20.0	19.6		ug/L		98	80 - 118
2-Butanone (MEK)	100	95.4		ug/L		95	69 - 128
2-Hexanone	100	105		ug/L		105	74 - 127
4-Methyl-2-pentanone (MIBK)	100	104		ug/L		104	78 - 125
Acetone	100	92.1		ug/L		92	61 - 134
Benzene	20.0	20.3		ug/L		101	78 - 126
Bromoform	20.0	20.3		ug/L		101	38 - 144
Bromomethane	20.0	24.1		ug/L		121	10 - 150
Carbon disulfide	20.0	20.2		ug/L		101	64 - 138
Carbon tetrachloride	20.0	20.6		ug/L		103	56 - 131
Chlorobenzene	20.0	20.3		ug/L		102	80 - 119
Chlorodibromomethane	20.0	19.8		ug/L		99	58 - 130
Chloroethane	20.0	21.1		ug/L		106	29 - 150
Chloroform	20.0	20.3		ug/L		102	78 - 125
Chloromethane	20.0	21.0		ug/L		105	38 - 150
cis-1,2-Dichloroethene	20.0	19.5		ug/L		98	78 - 121
cis-1,3-Dichloropropene	20.0	20.6		ug/L		103	74 - 125
Cyclohexane	20.0	22.4		ug/L		112	67 - 133
Dichlorobromomethane	20.0	19.4		ug/L		97	72 - 121
Dichlorodifluoromethane	20.0	20.8		ug/L		104	31 - 150
Ethylbenzene	20.0	21.3		ug/L		107	78 - 120
Ethylene Dibromide	20.0	19.5		ug/L		97	69 - 126
Isopropylbenzene	20.0	21.6		ug/L		108	79 - 125
Methyl acetate	40.0	35.7		ug/L		89	70 - 127
Methyl tert-butyl ether	20.0	22.5		ug/L		113	65 - 131
Methylcyclohexane	20.0	20.8		ug/L		104	60 - 139
Methylene Chloride	20.0	19.8		ug/L		99	74 - 127
m-Xylene & p-Xylene	20.0	21.1		ug/L		105	78 - 123
o-Xylene	20.0	21.0		ug/L		105	78 - 122
Xylenes, Total	40.0	42.1		ug/L		105	78 - 122
Styrene	20.0	21.8		ug/L		109	75 - 127

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

Lab Sample ID: LCS 460-701375/28
Matrix: Water
Analysis Batch: 701375

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	20.0	21.5		ug/L		107	70 - 127
Toluene	20.0	21.2		ug/L		106	78 - 119
trans-1,2-Dichloroethene	20.0	19.7		ug/L		98	74 - 126
trans-1,3-Dichloropropene	20.0	21.4		ug/L		107	66 - 127
Trichloroethene	20.0	20.2		ug/L		101	71 - 121
Trichlorofluoromethane	20.0	20.8		ug/L		104	61 - 140
Vinyl chloride	20.0	21.2		ug/L		106	61 - 144
1,2-Dichloroethane	20.0	20.3		ug/L		102	75 - 121
1,2-Dichlorobenzene	20.0	20.1		ug/L		101	79 - 122
1,2-Dibromo-3-Chloropropane	20.0	18.9		ug/L		95	41 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 123*
4-Bromofluorobenzene	*102*		*76 - 120*
Dibromofluoromethane (Surr)	*95*		*77 - 124*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 460-701375/29
Matrix: Water
Analysis Batch: 701375

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	19.2		ug/L		96	68 - 128	7	30
1,1,2,2-Tetrachloroethane	20.0	18.2		ug/L		91	63 - 139	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.5		ug/L		103	59 - 142	2	30
1,1,2-Trichloroethane	20.0	18.3		ug/L		91	74 - 125	5	30
1,1-Dichloroethane	20.0	18.7		ug/L		94	73 - 130	9	30
1,1-Dichloroethene	20.0	18.8		ug/L		94	68 - 133	8	30
1,2,4-Trichlorobenzene	20.0	18.8		ug/L		94	64 - 132	6	30
1,2-Dichloropropane	20.0	18.6		ug/L		93	76 - 126	7	30
1,3-Dichlorobenzene	20.0	18.7		ug/L		93	80 - 121	5	30
1,4-Dichlorobenzene	20.0	18.0		ug/L		90	80 - 118	8	30
2-Butanone (MEK)	100	95.6		ug/L		96	69 - 128	0	30
2-Hexanone	100	102		ug/L		102	74 - 127	3	30
4-Methyl-2-pentanone (MIBK)	100	100		ug/L		100	78 - 125	4	30
Acetone	100	92.3		ug/L		92	61 - 134	0	30
Benzene	20.0	18.8		ug/L		94	78 - 126	8	30
Bromoform	20.0	19.2		ug/L		96	38 - 144	5	30
Bromomethane	20.0	21.2		ug/L		106	10 - 150	13	30
Carbon disulfide	20.0	18.0		ug/L		90	64 - 138	11	30
Carbon tetrachloride	20.0	19.2		ug/L		96	56 - 131	7	30
Chlorobenzene	20.0	18.8		ug/L		94	80 - 119	8	30
Chlorodibromomethane	20.0	18.6		ug/L		93	58 - 130	6	30
Chloroethane	20.0	19.3		ug/L		96	29 - 150	9	30
Chloroform	20.0	18.7		ug/L		94	78 - 125	8	30
Chloromethane	20.0	20.7		ug/L		104	38 - 150	1	30
cis-1,2-Dichloroethene	20.0	17.9		ug/L		89	78 - 121	9	30
cis-1,3-Dichloropropene	20.0	19.1		ug/L		96	74 - 125	7	30

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

Lab Sample ID: LCSD 460-701375/29
Matrix: Water
Analysis Batch: 701375

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyclohexane	20.0	20.8		ug/L		104	67 - 133	8	30
Dichlorobromomethane	20.0	17.8		ug/L		89	72 - 121	9	30
Dichlorodifluoromethane	20.0	19.6		ug/L		98	31 - 150	6	30
Ethylbenzene	20.0	19.9		ug/L		100	78 - 120	7	30
Ethylene Dibromide	20.0	17.7		ug/L		89	69 - 126	9	30
Isopropylbenzene	20.0	20.0		ug/L		100	79 - 125	7	30
Methyl acetate	40.0	36.9		ug/L		92	70 - 127	3	30
Methyl tert-butyl ether	20.0	20.2		ug/L		101	65 - 131	11	30
Methylcyclohexane	20.0	19.0		ug/L		95	60 - 139	9	30
Methylene Chloride	20.0	18.9		ug/L		95	74 - 127	5	30
m-Xylene & p-Xylene	20.0	19.5		ug/L		98	78 - 123	8	30
o-Xylene	20.0	19.3		ug/L		96	78 - 122	9	30
Xylenes, Total	40.0	38.8		ug/L		97	78 - 122	8	30
Styrene	20.0	20.4		ug/L		102	75 - 127	7	30
Tetrachloroethene	20.0	19.3		ug/L		97	70 - 127	10	30
Toluene	20.0	19.6		ug/L		98	78 - 119	8	30
trans-1,2-Dichloroethene	20.0	18.2		ug/L		91	74 - 126	8	30
trans-1,3-Dichloropropene	20.0	19.7		ug/L		99	66 - 127	8	30
Trichloroethene	20.0	18.0		ug/L		90	71 - 121	11	30
Trichlorofluoromethane	20.0	18.7		ug/L		93	61 - 140	11	30
Vinyl chloride	20.0	19.4		ug/L		97	61 - 144	9	30
1,2-Dichloroethane	20.0	17.8		ug/L		89	75 - 121	13	30
1,2-Dichlorobenzene	20.0	18.9		ug/L		94	79 - 122	6	30
1,2-Dibromo-3-Chloropropane	20.0	18.2		ug/L		91	41 - 143	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 123*
4-Bromofluorobenzene	*102*		*76 - 120*
Dibromofluoromethane (Surr)	*94*		*77 - 124*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: 460-210359-13 MS
Matrix: Water
Analysis Batch: 701375

Client Sample ID: MW-1S(Onsite)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	1.0	U	400	375		ug/L		94	68 - 128
1,1,2,2-Tetrachloroethane	1.0	U	400	344		ug/L		86	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	400	391		ug/L		98	59 - 142
1,1,2-Trichloroethane	1.0	U	400	350		ug/L		87	74 - 125
1,1-Dichloroethane	1.0	U	400	379		ug/L		95	73 - 130
1,1-Dichloroethene	1.0	U	400	388		ug/L		97	68 - 133
1,2,4-Trichlorobenzene	1.0	U	400	365		ug/L		91	64 - 132
1,2-Dichloropropane	1.0	U	400	360		ug/L		90	76 - 126
1,3-Dichlorobenzene	1.0	U	400	361		ug/L		90	80 - 121
1,4-Dichlorobenzene	1.0	U	400	349		ug/L		87	80 - 118
2-Butanone (MEK)	5.0	U	2000	1990		ug/L		100	69 - 128
2-Hexanone	5.0	U	2000	2060		ug/L		103	74 - 127

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

Lab Sample ID: 460-210359-13 MS
Matrix: Water
Analysis Batch: 701375

Client Sample ID: MW-1S(Onsite)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	5.0	U	2000	2060		ug/L		103	78 - 125
Acetone	5.0	U	2000	1930		ug/L		97	61 - 134
Benzene	1.0	U	400	376		ug/L		94	78 - 126
Bromoform	1.0	U	400	361		ug/L		90	38 - 144
Bromomethane	1.0	U	400	381		ug/L		95	10 - 150
Carbon disulfide	1.0	U	400	362		ug/L		90	64 - 138
Carbon tetrachloride	1.0	U	400	368		ug/L		92	56 - 131
Chlorobenzene	1.0	U	400	364		ug/L		91	80 - 119
Chlorodibromomethane	1.0	U	400	349		ug/L		87	58 - 130
Chloroethane	1.0	U	400	398		ug/L		100	29 - 150
Chloroform	1.0	U	400	368		ug/L		92	78 - 125
Chloromethane	1.0	U	400	403		ug/L		101	38 - 150
cis-1,2-Dichloroethene	1.0	U	400	362		ug/L		91	78 - 121
cis-1,3-Dichloropropene	1.0	U	400	364		ug/L		91	74 - 125
Cyclohexane	1.0	U	400	391		ug/L		98	67 - 133
Dichlorobromomethane	1.0	U	400	364		ug/L		91	72 - 121
Dichlorodifluoromethane	1.0	U	400	388		ug/L		97	31 - 150
Ethylbenzene	1.0	U	400	378		ug/L		94	78 - 120
Ethylene Dibromide	1.0	U	400	348		ug/L		87	69 - 126
Isopropylbenzene	1.0	U	400	386		ug/L		97	79 - 125
Methyl acetate	5.0	U	800	775		ug/L		97	70 - 127
Methyl tert-butyl ether	1.0	U	400	418		ug/L		104	65 - 131
Methylcyclohexane	1.0	U	400	375		ug/L		94	60 - 139
Methylene Chloride	1.0	U	400	375		ug/L		94	74 - 127
m-Xylene & p-Xylene	1.0	U	400	377		ug/L		94	78 - 123
o-Xylene	1.0	U	400	378		ug/L		95	78 - 122
Xylenes, Total	2.0	U	800	755		ug/L		94	78 - 122
Styrene	1.0	U	400	393		ug/L		98	75 - 127
Tetrachloroethene	1.0	U	400	379		ug/L		95	70 - 127
Toluene	1.0	U	400	381		ug/L		95	78 - 119
trans-1,2-Dichloroethene	1.0	U	400	361		ug/L		90	74 - 126
trans-1,3-Dichloropropene	1.0	U	400	371		ug/L		93	66 - 127
Trichloroethene	1.0	U	400	356		ug/L		89	71 - 121
Trichlorofluoromethane	1.0	U	400	389		ug/L		97	61 - 140
Vinyl chloride	1.0	U	400	397		ug/L		99	61 - 144
1,2-Dichloroethane	1.0	U	400	372		ug/L		93	75 - 121
1,2-Dichlorobenzene	1.0	U	400	376		ug/L		94	79 - 122
1,2-Dibromo-3-Chloropropane	1.0	U	400	369		ug/L		92	41 - 143

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 123*
4-Bromofluorobenzene	*99*		*76 - 120*
Dibromofluoromethane (Surr)	*94*		*77 - 124*
Toluene-d8 (Surr)	*96*		*80 - 120*

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

Lab Sample ID: 460-210359-13 MSD
Client Sample ID: MW-1S(Onsite)
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 701375

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	400	421		ug/L		105	68 - 128	11	30
1,1,2,2-Tetrachloroethane	1.0	U	400	399		ug/L		100	63 - 139	15	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	400	441		ug/L		110	59 - 142	12	30
1,1,2-Trichloroethane	1.0	U	400	395		ug/L		99	74 - 125	12	30
1,1-Dichloroethane	1.0	U	400	417		ug/L		104	73 - 130	10	30
1,1-Dichloroethene	1.0	U	400	427		ug/L		107	68 - 133	10	30
1,2,4-Trichlorobenzene	1.0	U	400	420		ug/L		105	64 - 132	14	30
1,2-Dichloropropane	1.0	U	400	406		ug/L		101	76 - 126	12	30
1,3-Dichlorobenzene	1.0	U	400	413		ug/L		103	80 - 121	13	30
1,4-Dichlorobenzene	1.0	U	400	400		ug/L		100	80 - 118	14	30
2-Butanone (MEK)	5.0	U	2000	2160		ug/L		108	69 - 128	8	30
2-Hexanone	5.0	U	2000	2270		ug/L		113	74 - 127	9	30
4-Methyl-2-pentanone (MIBK)	5.0	U	2000	2290		ug/L		114	78 - 125	11	30
Acetone	5.0	U	2000	2140		ug/L		107	61 - 134	10	30
Benzene	1.0	U	400	420		ug/L		105	78 - 126	11	30
Bromoform	1.0	U	400	415		ug/L		104	38 - 144	14	30
Bromomethane	1.0	U	400	526	*	ug/L		131	10 - 150	32	30
Carbon disulfide	1.0	U	400	413		ug/L		103	64 - 138	13	30
Carbon tetrachloride	1.0	U	400	403		ug/L		101	56 - 131	9	30
Chlorobenzene	1.0	U	400	409		ug/L		102	80 - 119	12	30
Chlorodibromomethane	1.0	U	400	400		ug/L		100	58 - 130	14	30
Chloroethane	1.0	U	400	463		ug/L		116	29 - 150	15	30
Chloroform	1.0	U	400	414		ug/L		103	78 - 125	12	30
Chloromethane	1.0	U	400	459		ug/L		115	38 - 150	13	30
cis-1,2-Dichloroethene	1.0	U	400	410		ug/L		103	78 - 121	12	30
cis-1,3-Dichloropropene	1.0	U	400	412		ug/L		103	74 - 125	13	30
Cyclohexane	1.0	U	400	457		ug/L		114	67 - 133	16	30
Dichlorobromomethane	1.0	U	400	400		ug/L		100	72 - 121	9	30
Dichlorodifluoromethane	1.0	U	400	423		ug/L		106	31 - 150	9	30
Ethylbenzene	1.0	U	400	443		ug/L		111	78 - 120	16	30
Ethylene Dibromide	1.0	U	400	390		ug/L		98	69 - 126	11	30
Isopropylbenzene	1.0	U	400	442		ug/L		111	79 - 125	14	30
Methyl acetate	5.0	U	800	851		ug/L		106	70 - 127	9	30
Methyl tert-butyl ether	1.0	U	400	447		ug/L		112	65 - 131	7	30
Methylcyclohexane	1.0	U	400	410		ug/L		102	60 - 139	9	30
Methylene Chloride	1.0	U	400	376		ug/L		94	74 - 127	0	30
m-Xylene & p-Xylene	1.0	U	400	416		ug/L		104	78 - 123	10	30
o-Xylene	1.0	U	400	431		ug/L		108	78 - 122	13	30
Xylenes, Total	2.0	U	800	848		ug/L		106	78 - 122	12	30
Styrene	1.0	U	400	449		ug/L		112	75 - 127	13	30
Tetrachloroethene	1.0	U	400	427		ug/L		107	70 - 127	12	30
Toluene	1.0	U	400	433		ug/L		108	78 - 119	13	30
trans-1,2-Dichloroethene	1.0	U	400	395		ug/L		99	74 - 126	9	30
trans-1,3-Dichloropropene	1.0	U	400	419		ug/L		105	66 - 127	12	30
Trichloroethene	1.0	U	400	404		ug/L		101	71 - 121	13	30
Trichlorofluoromethane	1.0	U	400	431		ug/L		108	61 - 140	10	30
Vinyl chloride	1.0	U	400	437		ug/L		109	61 - 144	10	30
1,2-Dichloroethane	1.0	U	400	403		ug/L		101	75 - 121	8	30

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

Lab Sample ID: 460-210359-13 MSD
Matrix: Water
Analysis Batch: 701375

Client Sample ID: MW-1S(Onsite)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	1.0	U	400	422		ug/L		105	79 - 122	12	30
1,2-Dibromo-3-Chloropropane	1.0	U	400	427		ug/L		107	41 - 143	15	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*
4-Bromofluorobenzene	*111*		*76 - 120*
Dibromofluoromethane (Surr)	*102*		*77 - 124*
Toluene-d8 (Surr)	*106*		*80 - 120*

GC/MS VOA

Analysis Batch: 701023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-210359-1	MW-6S	Total/NA	Water	8260C	
460-210359-4	DDC-10-PD	Total/NA	Water	8260C	
460-210359-5	DDC-10-PS	Total/NA	Water	8260C	
460-210359-6	DDC-9-PD	Total/NA	Water	8260C	
460-210359-7	DDC-9-PS	Total/NA	Water	8260C	
460-210359-8	DDC-8-PD	Total/NA	Water	8260C	
460-210359-9	DDC-8-PS	Total/NA	Water	8260C	
460-210359-10	DDC-7-PD	Total/NA	Water	8260C	
460-210359-11	DDC-7-PS	Total/NA	Water	8260C	
460-210359-12	MW-1D(Onsite)	Total/NA	Water	8260C	
460-210359-14	MW-Y	Total/NA	Water	8260C	
460-210359-15	TripBlank20200603	Total/NA	Water	8260C	
MB 460-701023/11	Method Blank	Total/NA	Water	8260C	
LCS 460-701023/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-701023/6	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 701375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-210359-2	MW-15D	Total/NA	Water	8260C	
460-210359-3	MW-15S	Total/NA	Water	8260C	
460-210359-13	MW-1S(Onsite)	Total/NA	Water	8260C	
MB 460-701375/30	Method Blank	Total/NA	Water	8260C	
LCS 460-701375/28	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-701375/29	Lab Control Sample Dup	Total/NA	Water	8260C	
460-210359-13 MS	MW-1S(Onsite)	Total/NA	Water	8260C	
460-210359-13 MSD	MW-1S(Onsite)	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-210359-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: MW-6S
Lab Sample ID: 460-210359-1
Date Collected: 06/03/20 08:24
Matrix: Water
Date Received: 06/04/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	701023	06/12/20 22:25	AAT	TAL EDI

Client Sample ID: MW-15D
Lab Sample ID: 460-210359-2
Date Collected: 06/03/20 08:52
Matrix: Water
Date Received: 06/04/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	701375	06/15/20 19:29	EMM	TAL EDI

Client Sample ID: MW-15S
Lab Sample ID: 460-210359-3
Date Collected: 06/03/20 09:17
Matrix: Water
Date Received: 06/04/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	701375	06/15/20 19:05	EMM	TAL EDI

Client Sample ID: DDC-10-PD
Lab Sample ID: 460-210359-4
Date Collected: 06/03/20 09:52
Matrix: Water
Date Received: 06/04/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	701023	06/12/20 23:13	AAT	TAL EDI

Client Sample ID: DDC-10-PS
Lab Sample ID: 460-210359-5
Date Collected: 06/03/20 10:15
Matrix: Water
Date Received: 06/04/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	701023	06/12/20 23:36	AAT	TAL EDI

Client Sample ID: DDC-9-PD
Lab Sample ID: 460-210359-6
Date Collected: 06/03/20 11:01
Matrix: Water
Date Received: 06/04/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	701023	06/13/20 00:00	AAT	TAL EDI

Client Sample ID: DDC-9-PS
Lab Sample ID: 460-210359-7
Date Collected: 06/03/20 11:33
Matrix: Water
Date Received: 06/04/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	701023	06/13/20 00:23	AAT	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-210359-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: DDC-8-PD
Lab Sample ID: 460-210359-8
Date Collected: 06/03/20 12:09
Matrix: Water
Date Received: 06/04/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	701023	06/13/20 00:47	AAT	TAL EDI

Client Sample ID: DDC-8-PS
Lab Sample ID: 460-210359-9
Date Collected: 06/03/20 12:38
Matrix: Water
Date Received: 06/04/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	701023	06/13/20 01:11	AAT	TAL EDI

Client Sample ID: DDC-7-PD
Lab Sample ID: 460-210359-10
Date Collected: 06/03/20 13:17
Matrix: Water
Date Received: 06/04/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	701023	06/13/20 01:35	AAT	TAL EDI

Client Sample ID: DDC-7-PS
Lab Sample ID: 460-210359-11
Date Collected: 06/03/20 13:44
Matrix: Water
Date Received: 06/04/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	701023	06/13/20 01:58	AAT	TAL EDI

Client Sample ID: MW-1D(Onsite)
Lab Sample ID: 460-210359-12
Date Collected: 06/03/20 14:15
Matrix: Water
Date Received: 06/04/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	701023	06/13/20 02:22	AAT	TAL EDI

Client Sample ID: MW-1S(Onsite)
Lab Sample ID: 460-210359-13
Date Collected: 06/03/20 14:33
Matrix: Water
Date Received: 06/04/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	701375	06/15/20 18:42	EMM	TAL EDI

Client Sample ID: MW-Y
Lab Sample ID: 460-210359-14
Date Collected: 06/03/20 00:00
Matrix: Water
Date Received: 06/04/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	701023	06/13/20 03:09	AAT	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-210359-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: TripBlank20200603
Lab Sample ID: 460-210359-15
Date Collected: 06/03/20 00:00
Matrix: Water
Date Received: 06/04/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	701023	06/12/20 22:02	AAT	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 460-210359-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Laboratory: Eurofins TestAmerica, Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-20
DE Haz. Subst. Cleanup Act (HSCA)	State	<cert No.>	12-31-21
Georgia	State	12028 (NJ)	06-30-20
Massachusetts	State	M-NJ312	06-30-20
New Jersey	NELAP	12028	06-30-20
New York	NELAP	11452	04-01-21
Pennsylvania	NELAP	68-00522	02-28-21
Rhode Island	State	LAO00132	12-31-20
USDA	US Federal Programs	P330-18-00135	05-03-21

Method Summary

Client: New York State D.E.C.
Job ID: 460-210359-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

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

Protocol References:

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

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: New York State D.E.C.
Job ID: 460-210359-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-210359-1	MW-6S	Water	06/03/20 08:24	06/04/20 17:30	
460-210359-2	MW-15D	Water	06/03/20 08:52	06/04/20 17:30	
460-210359-3	MW-15S	Water	06/03/20 09:17	06/04/20 17:30	
460-210359-4	DDC-10-PD	Water	06/03/20 09:52	06/04/20 17:30	
460-210359-5	DDC-10-PS	Water	06/03/20 10:15	06/04/20 17:30	
460-210359-6	DDC-9-PD	Water	06/03/20 11:01	06/04/20 17:30	
460-210359-7	DDC-9-PS	Water	06/03/20 11:33	06/04/20 17:30	
460-210359-8	DDC-8-PD	Water	06/03/20 12:09	06/04/20 17:30	
460-210359-9	DDC-8-PS	Water	06/03/20 12:38	06/04/20 17:30	
460-210359-10	DDC-7-PD	Water	06/03/20 13:17	06/04/20 17:30	
460-210359-11	DDC-7-PS	Water	06/03/20 13:44	06/04/20 17:30	
460-210359-12	MW-1D(Onsite)	Water	06/03/20 14:15	06/04/20 17:30	
460-210359-13	MW-1S(Onsite)	Water	06/03/20 14:33	06/04/20 17:30	
460-210359-14	MW-Y	Water	06/03/20 00:00	06/04/20 17:30	
460-210359-15	TripBlank20200603	Water	06/03/20 00:00	06/04/20 17:30	

Chain of Custody Record 455087

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Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other: NYSDEC NYC

TAL-8210

Client Contact	Project Manager: IAN HOFMANN	Site Contact:	Date:	COC No: 22 of _____ COCs
Company Name: EAR	Tel/Email:	Lab Contact:	Carrier:	
Address: 225 ATLANTIC AVE.	Analysis Turnaround Time			Sampler:
City/State/Zip: PATCHOGUE, NY, 11772	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (631) 447-6400	TAT if different from Below 10-DAY			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: DEC - EAST FARMINGDALE (1) - ADAMS	☐ 1 week			
Site: 152140	☐ 2 days			Job / SDG No.: 210359
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs VOA EPA 8260B	Sample Specific Notes:
MW-6S	6/3/20	8:24	G	AQ	3	N	N		1
MW-15D		8:52							2
MW-15S		9:17							3
DDC-10-PD		9:52							4
DDC-10-PS		10:15							5
DDC-9-PD		11:01							6
DDC-9-PS		11:33							7
DDC-8-PD		12:09							8
DDC-8-PS		12:38							9
DDC-7-PD		13:17							10
DDC-7-PS		13:44							11
MW-1D		14:15							12

460-210359 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ 2

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
CAT "A" DELIVERABLES

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	EAR	6/3/20 15:00	Received by: EAR FRIDGE	EAR	6/3/20 15:00
Relinquished by: FROM EAR	EAL	6-4-20/10	Received by:	FA	6/4/20 10
Relinquished by:	FA	6/4/20 15	Received in Laboratory by:	EAL	6/4/20 16

from 6 4 20 1730 3-9 FR 11 Isaiah D ETA 6/4/20 1780

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6/17/2020

Chain of Custody Record 454815

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Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other: NYSDEC NYC

TAL-8210

Client Contact	Project Manager: IAN HOFMANN	Site Contact:	Date:	COC No: 222
Company Name: EAR	Tel/Email:	Lab Contact:	Carrier:	____ of ____ COCs
Address: 225 ATLANTIC AVE.	Analysis Turnaround Time			Sampler:
City/State/Zip: PATCHOGUE NY. 11772	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (631) 447-6400	TAT if different from Below 10-DAY			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: DEC-EAST FARMINGDALE-ADAMS	☐ 1 week			
Site: 152140	☐ 2 days			Job / SDG No.: 210359
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	VOCs VIA EPA 8260B														Sample Specific Notes:
1 MW-1S	6/3/20	14:33	G	AQ	3	N	N	3														B 13
1 MW-4	↓	—	↓	↓	↓			↓														B 14
1 TRIPBLANK20200603	↓	—	↓	↓	↓			↓														B 15

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ 2

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:
CAT "A" DELIVERABLES

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____		
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Mark A. Cuta	EAR	6/3/20 15:00	EAR FRIDGE	EAR	6/3/20 15:00
Relinquished by: FROM EAR WILLIAM A. Vaghetto SAMPLE FRIDGE	Company: EAR	Date/Time: 6-4-20 10	Received by:	Company: CTA	Date/Time: 6/4/20 10
Relinquished by:	Company: CTA	Date/Time: 6/4/20 1515	Received in Laboratory by: Sarah D	Company: CTA	Date/Time: 6/4/20 1730

Icemac 6 4 20 1730 3.9 IR 11

6/17/2020

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 210359

Number of Coolers: 1 IR Gun # 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	37 °C	°C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Initials: _____ Date: 6 4 20

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 460-210359-1

Login Number: 210359 **List Source: Eurofins TestAmerica, Edison**
List Number: 1
Creator: Callahan, April R

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-210363-1
Client Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Mr. Payson Long

Authorized for release by:
6/15/2020 11:10:27 AM

Julie Gilmore, Project Manager I
(484)685-0865
julie.gilmore@testamericainc.com

LINKS

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Have a Question? Ask The Expert

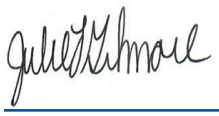
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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions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

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

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

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



Julie Gilmore
Project Manager I
6/15/2020 11:10:27 AM

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Definitions/Glossary

Client: New York State D.E.C.
Job ID: 460-210363-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

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
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Job ID: 460-210363-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC - EASTFARMINGDALE1 SITE:152140

Report Number: 460-210363-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 06/02/2020; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples DDC-4-PD (460-210363-1), DDC-4-PS (460-210363-2), MW-2A (460-210363-3), MW-2AD (460-210363-4), DDC-2-PS (460-210363-5), DDC-2-PD (460-210363-6), MW-5D (460-210363-7), MW-5S (460-210363-8), MW-2D (460-210363-9), MW-2S (460-210363-10), TripBlank_20200601 (460-210363-11) and MW-X (460-210363-12) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 06/10/2020 and 06/11/2020.

The continuing calibration verification (CCV) associated with batch 460-700144 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,2-Dichloroethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-700144 recovered outside control limits for the following analytes: 1,2-Dichloroethane, Bromomethane, Methyl acetate and Trichlorofluoromethane. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

Four surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample and method blank contained an allowable number of surrogate compounds outside limits: MW-5D (460-210363-7) and (MB 460-700144/10). These results have been reported and qualified.

The continuing calibration verification (CCV) associated with batch 460-700461 recovered above the upper control limit for 1,2,4-Trichlorobenzene, Chloromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Job ID: 460-210363-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

The laboratory control sample (LCS) for analytical batch 460-700461 recovered outside control limits for 1,2,4-Trichlorobenzene. The analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-2D (460-210363-9). Elevated reporting limits (RLs) are provided.

The continuing calibration verification (CCV) analyzed in batch 460-700559 was outside the method criteria for Dichlorodifluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

1,2-Dichloroethane-d4 (Surr) failed the surrogate recovery criteria high for MW-5D (460-210363-7). 1,2-Dichloroethane-d4 (Surr) failed the surrogate recovery criteria high for MB 460-700144/10. Refer to the QC report for details.

1,2-Dichloroethane, Bromomethane and Trichlorofluoromethane failed the recovery criteria high for LCS 460-700144/4. 1,2,4-Trichlorobenzene failed the recovery criteria high for LCS 460-700461/5. 1,2-Dichloroethane, Methyl acetate and Trichlorofluoromethane failed the recovery criteria high for LCSD 460-700144/6. Refer to the QC report for details.

Tetrachloroethene failed the recovery criteria low for the MS of sample MW-2DMS (460-210363-9) in batch 460-700461.

Tetrachloroethene failed the recovery criteria low for the MSD of sample MW-2DMSD (460-210363-9) in batch 460-700461. 1,1-Dichloroethane and 1,2,4-Trichlorobenzene failed the recovery criteria high.

Refer to the QC report for details.

Sample MW-2D (460-210363-9)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

Detection Summary

Client: New York State D.E.C.
Job ID: 460-210363-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: DDC-4-PD — Lab Sample ID: 460-210363-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.9		5.0	4.4	ug/L	1		8260C	Total/NA
Tetrachloroethene	4.8		1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: DDC-4-PS — Lab Sample ID: 460-210363-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11		5.0	4.4	ug/L	1		8260C	Total/NA
Chloroform	0.34	J	1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.37	J	1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	20		1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: MW-2A — Lab Sample ID: 460-210363-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.8		5.0	4.4	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.36	J	1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: MW-2AD — Lab Sample ID: 460-210363-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.3		5.0	4.4	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	11		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	20		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	10		1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: DDC-2-PS — Lab Sample ID: 460-210363-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	8.3		5.0	4.4	ug/L	1		8260C	Total/NA
Chloromethane	0.56	J	1.0	0.40	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.61	J	1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	21		1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: DDC-2-PD — Lab Sample ID: 460-210363-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.6		5.0	4.4	ug/L	1		8260C	Total/NA
Tetrachloroethene	63		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	0.97	J	1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: MW-5D — Lab Sample ID: 460-210363-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.8		5.0	4.4	ug/L	1		8260C	Total/NA
Carbon tetrachloride	0.31	J	1.0	0.21	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	15		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	340		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	15		1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: MW-5S — Lab Sample ID: 460-210363-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	1.4		1.0	0.33	ug/L	1		8260C	Total/NA
Acetone	7.2		5.0	4.4	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-5S (Continued)
Lab Sample ID: 460-210363-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.87	J	1.0	0.40	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.0		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.98	J	1.0	0.25	ug/L	1		8260C	Total/NA
Vinyl chloride	0.21	J	1.0	0.17	ug/L	1		8260C	Total/NA

Client Sample ID: MW-2D
Lab Sample ID: 460-210363-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	5.5	J	10	2.1	ug/L	10		8260C	Total/NA
Tetrachloroethene	1700		10	2.5	ug/L	10		8260C	Total/NA

Client Sample ID: MW-2S
Lab Sample ID: 460-210363-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.8		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	2.8		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	0.48	J	1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: TripBlank_20200601
Lab Sample ID: 460-210363-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.4		5.0	4.4	ug/L	1		8260C	Total/NA
Methylene Chloride	0.40	J	1.0	0.32	ug/L	1		8260C	Total/NA
m-Xylene & p-Xylene	0.41	J	1.0	0.30	ug/L	1		8260C	Total/NA

Client Sample ID: MW-X
Lab Sample ID: 460-210363-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	1.3		1.0	0.33	ug/L	1		8260C	Total/NA
Acetone	6.9		5.0	4.4	ug/L	1		8260C	Total/NA
Chloromethane	1.1		1.0	0.40	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.97	J	1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.89	J	1.0	0.25	ug/L	1		8260C	Total/NA
Vinyl chloride	0.23	J	1.0	0.17	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 460-210363-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: DDC-4-PD
Lab Sample ID: 460-210363-1

Date Collected: 06/01/20 09:09
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/11/20 04:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/11/20 04:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/11/20 04:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/11/20 04:03	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/11/20 04:03	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/11/20 04:03	1
1,2,4-Trichlorobenzene	1.0	U *	1.0	0.37	ug/L			06/11/20 04:03	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/11/20 04:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/11/20 04:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/11/20 04:03	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/11/20 04:03	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/11/20 04:03	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/11/20 04:03	1
Acetone	**7.9**		5.0	4.4	ug/L			06/11/20 04:03	1
Benzene	1.0	U	1.0	0.20	ug/L			06/11/20 04:03	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/11/20 04:03	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/11/20 04:03	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/11/20 04:03	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/11/20 04:03	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/11/20 04:03	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/11/20 04:03	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/11/20 04:03	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/11/20 04:03	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/11/20 04:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/11/20 04:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/11/20 04:03	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/11/20 04:03	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/11/20 04:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/11/20 04:03	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/11/20 04:03	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/11/20 04:03	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/11/20 04:03	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/11/20 04:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/11/20 04:03	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/11/20 04:03	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/11/20 04:03	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/11/20 04:03	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/11/20 04:03	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/11/20 04:03	1
Styrene	1.0	U	1.0	0.42	ug/L			06/11/20 04:03	1
Tetrachloroethene	**4.8**		1.0	0.25	ug/L			06/11/20 04:03	1
Toluene	1.0	U	1.0	0.38	ug/L			06/11/20 04:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/11/20 04:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/11/20 04:03	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/11/20 04:03	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/11/20 04:03	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/11/20 04:03	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/11/20 04:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/11/20 04:03	1

Client Sample ID: DDC-4-PD
Lab Sample ID: 460-210363-1
Date Collected: 06/01/20 09:09
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/11/20 04:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*		*06/11/20 04:03*	*1*
4-Bromofluorobenzene	*103*		*76 - 120*		*06/11/20 04:03*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*06/11/20 04:03*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/11/20 04:03*	*1*

Client Sample ID: DDC-4-PS
Lab Sample ID: 460-210363-2
Date Collected: 06/01/20 09:40
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/10/20 01:22	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/10/20 01:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/10/20 01:22	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 01:22	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/10/20 01:22	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/10/20 01:22	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/10/20 01:22	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/10/20 01:22	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/10/20 01:22	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/10/20 01:22	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/10/20 01:22	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/10/20 01:22	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/10/20 01:22	1
Acetone	**11**		5.0	4.4	ug/L			06/10/20 01:22	1
Benzene	1.0	U	1.0	0.20	ug/L			06/10/20 01:22	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/10/20 01:22	1
Bromomethane	1.0	U *	1.0	0.55	ug/L			06/10/20 01:22	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/10/20 01:22	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/10/20 01:22	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/10/20 01:22	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/10/20 01:22	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/10/20 01:22	1
Chloroform	**0.34**	**J**	1.0	0.33	ug/L			06/10/20 01:22	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/10/20 01:22	1
cis-1,2-Dichloroethene	**0.37**	**J**	1.0	0.22	ug/L			06/10/20 01:22	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/10/20 01:22	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/10/20 01:22	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/10/20 01:22	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/10/20 01:22	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/10/20 01:22	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/10/20 01:22	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/10/20 01:22	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			06/10/20 01:22	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/10/20 01:22	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/10/20 01:22	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/10/20 01:22	1

Client Sample ID: DDC-4-PS
Lab Sample ID: 460-210363-2

Date Collected: 06/01/20 09:40
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/10/20 01:22	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/10/20 01:22	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/10/20 01:22	1
Styrene	1.0	U	1.0	0.42	ug/L			06/10/20 01:22	1
Tetrachloroethene	**20**		1.0	0.25	ug/L			06/10/20 01:22	1
Toluene	1.0	U	1.0	0.38	ug/L			06/10/20 01:22	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/10/20 01:22	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/10/20 01:22	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/10/20 01:22	1
Trichlorofluoromethane	1.0	U *	1.0	0.32	ug/L			06/10/20 01:22	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/10/20 01:22	1
1,2-Dichloroethane	1.0	U *	1.0	0.43	ug/L			06/10/20 01:22	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/10/20 01:22	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/10/20 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*		*06/10/20 01:22*	*1*
4-Bromofluorobenzene	*86*		*76 - 120*		*06/10/20 01:22*	*1*
Dibromofluoromethane (Surr)	*94*		*77 - 124*		*06/10/20 01:22*	*1*
Toluene-d8 (Surr)	*80*		*80 - 120*		*06/10/20 01:22*	*1*

Client Sample ID: MW-2A
Lab Sample ID: 460-210363-3

Date Collected: 06/01/20 10:11
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/10/20 01:50	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/10/20 01:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/10/20 01:50	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 01:50	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/10/20 01:50	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/10/20 01:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/10/20 01:50	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/10/20 01:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/10/20 01:50	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/10/20 01:50	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/10/20 01:50	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/10/20 01:50	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/10/20 01:50	1
Acetone	**6.8**		5.0	4.4	ug/L			06/10/20 01:50	1
Benzene	1.0	U	1.0	0.20	ug/L			06/10/20 01:50	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/10/20 01:50	1
Bromomethane	1.0	U *	1.0	0.55	ug/L			06/10/20 01:50	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/10/20 01:50	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/10/20 01:50	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/10/20 01:50	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/10/20 01:50	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/10/20 01:50	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/10/20 01:50	1

Client Sample ID: MW-2A
Lab Sample ID: 460-210363-3

Date Collected: 06/01/20 10:11
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			06/10/20 01:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/10/20 01:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/10/20 01:50	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/10/20 01:50	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/10/20 01:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/10/20 01:50	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/10/20 01:50	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/10/20 01:50	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/10/20 01:50	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			06/10/20 01:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/10/20 01:50	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/10/20 01:50	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/10/20 01:50	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/10/20 01:50	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/10/20 01:50	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/10/20 01:50	1
Styrene	1.0	U	1.0	0.42	ug/L			06/10/20 01:50	1
Tetrachloroethene	**0.36**	**J**	1.0	0.25	ug/L			06/10/20 01:50	1
Toluene	1.0	U	1.0	0.38	ug/L			06/10/20 01:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/10/20 01:50	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/10/20 01:50	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/10/20 01:50	1
Trichlorofluoromethane	1.0	U *	1.0	0.32	ug/L			06/10/20 01:50	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/10/20 01:50	1
1,2-Dichloroethane	1.0	U *	1.0	0.43	ug/L			06/10/20 01:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/10/20 01:50	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/10/20 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 123*		*06/10/20 01:50*	*1*
4-Bromofluorobenzene	*96*		*76 - 120*		*06/10/20 01:50*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 124*		*06/10/20 01:50*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*06/10/20 01:50*	*1*

Client Sample ID: MW-2AD
Lab Sample ID: 460-210363-4

Date Collected: 06/01/20 10:41
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/10/20 02:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/10/20 02:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/10/20 02:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 02:14	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/10/20 02:14	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/10/20 02:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/10/20 02:14	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/10/20 02:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/10/20 02:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/10/20 02:14	1

Client: New York State D.E.C.
Job ID: 460-210363-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: MW-2AD
Lab Sample ID: 460-210363-4
Date Collected: 06/01/20 10:41
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/10/20 02:14	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/10/20 02:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/10/20 02:14	1
Acetone	**9.3**		5.0	4.4	ug/L			06/10/20 02:14	1
Benzene	1.0	U	1.0	0.20	ug/L			06/10/20 02:14	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/10/20 02:14	1
Bromomethane	1.0	U *	1.0	0.55	ug/L			06/10/20 02:14	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/10/20 02:14	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/10/20 02:14	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/10/20 02:14	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/10/20 02:14	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/10/20 02:14	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/10/20 02:14	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/10/20 02:14	1
cis-1,2-Dichloroethene	**11**		1.0	0.22	ug/L			06/10/20 02:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/10/20 02:14	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/10/20 02:14	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/10/20 02:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/10/20 02:14	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/10/20 02:14	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/10/20 02:14	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/10/20 02:14	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			06/10/20 02:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/10/20 02:14	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/10/20 02:14	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/10/20 02:14	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/10/20 02:14	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/10/20 02:14	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/10/20 02:14	1
Styrene	1.0	U	1.0	0.42	ug/L			06/10/20 02:14	1
Tetrachloroethene	**20**		1.0	0.25	ug/L			06/10/20 02:14	1
Toluene	1.0	U	1.0	0.38	ug/L			06/10/20 02:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/10/20 02:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/10/20 02:14	1
Trichloroethene	**10**		1.0	0.31	ug/L			06/10/20 02:14	1
Trichlorofluoromethane	1.0	U *	1.0	0.32	ug/L			06/10/20 02:14	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/10/20 02:14	1
1,2-Dichloroethane	1.0	U *	1.0	0.43	ug/L			06/10/20 02:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/10/20 02:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/10/20 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*75 - 123*		*06/10/20 02:14*	*1*
4-Bromofluorobenzene	*103*		*76 - 120*		*06/10/20 02:14*	*1*
Dibromofluoromethane (Surr)	*106*		*77 - 124*		*06/10/20 02:14*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*06/10/20 02:14*	*1*

Client: New York State D.E.C.
Job ID: 460-210363-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: DDC-2-PS
Date Collected: 06/01/20 11:21
Date Received: 06/02/20 18:00

Lab Sample ID: 460-210363-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/10/20 02:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/10/20 02:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/10/20 02:38	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 02:38	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/10/20 02:38	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/10/20 02:38	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/10/20 02:38	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/10/20 02:38	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/10/20 02:38	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/10/20 02:38	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/10/20 02:38	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/10/20 02:38	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/10/20 02:38	1
Acetone	**8.3**		5.0	4.4	ug/L			06/10/20 02:38	1
Benzene	1.0	U	1.0	0.20	ug/L			06/10/20 02:38	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/10/20 02:38	1
Bromomethane	1.0	U *	1.0	0.55	ug/L			06/10/20 02:38	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/10/20 02:38	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/10/20 02:38	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/10/20 02:38	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/10/20 02:38	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/10/20 02:38	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/10/20 02:38	1
Chloromethane	**0.56**	**J**	1.0	0.40	ug/L			06/10/20 02:38	1
cis-1,2-Dichloroethene	**0.61**	**J**	1.0	0.22	ug/L			06/10/20 02:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/10/20 02:38	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/10/20 02:38	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/10/20 02:38	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/10/20 02:38	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/10/20 02:38	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/10/20 02:38	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/10/20 02:38	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			06/10/20 02:38	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/10/20 02:38	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/10/20 02:38	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/10/20 02:38	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/10/20 02:38	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/10/20 02:38	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/10/20 02:38	1
Styrene	1.0	U	1.0	0.42	ug/L			06/10/20 02:38	1
Tetrachloroethene	**21**		1.0	0.25	ug/L			06/10/20 02:38	1
Toluene	1.0	U	1.0	0.38	ug/L			06/10/20 02:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/10/20 02:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/10/20 02:38	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/10/20 02:38	1
Trichlorofluoromethane	1.0	U *	1.0	0.32	ug/L			06/10/20 02:38	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/10/20 02:38	1
1,2-Dichloroethane	1.0	U *	1.0	0.43	ug/L			06/10/20 02:38	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/10/20 02:38	1

Client Sample ID: DDC-2-PS
Lab Sample ID: 460-210363-5
Date Collected: 06/01/20 11:21
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/10/20 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*75 - 123*		*06/10/20 02:38*	*1*
4-Bromofluorobenzene	*106*		*76 - 120*		*06/10/20 02:38*	*1*
Dibromofluoromethane (Surr)	*112*		*77 - 124*		*06/10/20 02:38*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/10/20 02:38*	*1*

Client Sample ID: DDC-2-PD
Lab Sample ID: 460-210363-6
Date Collected: 06/01/20 12:10
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/11/20 04:52	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/11/20 04:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/11/20 04:52	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/11/20 04:52	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/11/20 04:52	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/11/20 04:52	1
1,2,4-Trichlorobenzene	1.0	U *	1.0	0.37	ug/L			06/11/20 04:52	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/11/20 04:52	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/11/20 04:52	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/11/20 04:52	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/11/20 04:52	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/11/20 04:52	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/11/20 04:52	1
Acetone	**5.6**		5.0	4.4	ug/L			06/11/20 04:52	1
Benzene	1.0	U	1.0	0.20	ug/L			06/11/20 04:52	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/11/20 04:52	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/11/20 04:52	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/11/20 04:52	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/11/20 04:52	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/11/20 04:52	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/11/20 04:52	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/11/20 04:52	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/11/20 04:52	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/11/20 04:52	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/11/20 04:52	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/11/20 04:52	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/11/20 04:52	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/11/20 04:52	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/11/20 04:52	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/11/20 04:52	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/11/20 04:52	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/11/20 04:52	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/11/20 04:52	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/11/20 04:52	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/11/20 04:52	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/11/20 04:52	1

Client Sample ID: DDC-2-PD
Lab Sample ID: 460-210363-6

Date Collected: 06/01/20 12:10
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/11/20 04:52	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/11/20 04:52	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/11/20 04:52	1
Styrene	1.0	U	1.0	0.42	ug/L			06/11/20 04:52	1
Tetrachloroethene	**63**		1.0	0.25	ug/L			06/11/20 04:52	1
Toluene	1.0	U	1.0	0.38	ug/L			06/11/20 04:52	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/11/20 04:52	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/11/20 04:52	1
Trichloroethene	**0.97**	**J**	1.0	0.31	ug/L			06/11/20 04:52	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/11/20 04:52	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/11/20 04:52	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/11/20 04:52	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/11/20 04:52	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/11/20 04:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*		*06/11/20 04:52*	*1*
4-Bromofluorobenzene	*100*		*76 - 120*		*06/11/20 04:52*	*1*
Dibromofluoromethane (Surr)	*96*		*77 - 124*		*06/11/20 04:52*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*06/11/20 04:52*	*1*

Client Sample ID: MW-5D
Lab Sample ID: 460-210363-7

Date Collected: 06/01/20 13:09
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/10/20 03:26	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/10/20 03:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/10/20 03:26	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/10/20 03:26	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/10/20 03:26	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/10/20 03:26	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/10/20 03:26	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/10/20 03:26	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/10/20 03:26	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/10/20 03:26	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/10/20 03:26	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/10/20 03:26	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/10/20 03:26	1
Acetone	**5.8**		5.0	4.4	ug/L			06/10/20 03:26	1
Benzene	1.0	U	1.0	0.20	ug/L			06/10/20 03:26	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/10/20 03:26	1
Bromomethane	1.0	U *	1.0	0.55	ug/L			06/10/20 03:26	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/10/20 03:26	1
Carbon tetrachloride	**0.31**	**J**	1.0	0.21	ug/L			06/10/20 03:26	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/10/20 03:26	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/10/20 03:26	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/10/20 03:26	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/10/20 03:26	1

Client Sample ID: MW-5D
Lab Sample ID: 460-210363-7

Date Collected: 06/01/20 13:09
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			06/10/20 03:26	1
cis-1,2-Dichloroethene	**15**		1.0	0.22	ug/L			06/10/20 03:26	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/10/20 03:26	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/10/20 03:26	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/10/20 03:26	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/10/20 03:26	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/10/20 03:26	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/10/20 03:26	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/10/20 03:26	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			06/10/20 03:26	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/10/20 03:26	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/10/20 03:26	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/10/20 03:26	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/10/20 03:26	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/10/20 03:26	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/10/20 03:26	1
Styrene	1.0	U	1.0	0.42	ug/L			06/10/20 03:26	1
Tetrachloroethene	**340**		1.0	0.25	ug/L			06/10/20 03:26	1
Toluene	1.0	U	1.0	0.38	ug/L			06/10/20 03:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/10/20 03:26	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/10/20 03:26	1
Trichloroethene	**15**		1.0	0.31	ug/L			06/10/20 03:26	1
Trichlorofluoromethane	1.0	U *	1.0	0.32	ug/L			06/10/20 03:26	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/10/20 03:26	1
1,2-Dichloroethane	1.0	U *	1.0	0.43	ug/L			06/10/20 03:26	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/10/20 03:26	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/10/20 03:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*131*	*	*75 - 123*		*06/10/20 03:26*	*1*
4-Bromofluorobenzene	*113*		*76 - 120*		*06/10/20 03:26*	*1*
Dibromofluoromethane (Surr)	*116*		*77 - 124*		*06/10/20 03:26*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/10/20 03:26*	*1*

Client Sample ID: MW-5S
Lab Sample ID: 460-210363-8

Date Collected: 06/01/20 13:37
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/11/20 12:50	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/11/20 12:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/11/20 12:50	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/11/20 12:50	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/11/20 12:50	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/11/20 12:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/11/20 12:50	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/11/20 12:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/11/20 12:50	1
1,4-Dichlorobenzene	**1.4**		1.0	0.33	ug/L			06/11/20 12:50	1

Client: New York State D.E.C.
Job ID: 460-210363-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: MW-5S
Lab Sample ID: 460-210363-8
Date Collected: 06/01/20 13:37
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/11/20 12:50	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/11/20 12:50	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/11/20 12:50	1
Acetone	**7.2**		5.0	4.4	ug/L			06/11/20 12:50	1
Benzene	1.0	U	1.0	0.20	ug/L			06/11/20 12:50	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/11/20 12:50	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/11/20 12:50	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/11/20 12:50	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/11/20 12:50	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/11/20 12:50	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/11/20 12:50	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/11/20 12:50	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/11/20 12:50	1
Chloromethane	**0.87**	**J**	1.0	0.40	ug/L			06/11/20 12:50	1
cis-1,2-Dichloroethene	**1.0**		1.0	0.22	ug/L			06/11/20 12:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/11/20 12:50	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/11/20 12:50	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/11/20 12:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/11/20 12:50	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/11/20 12:50	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/11/20 12:50	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/11/20 12:50	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/11/20 12:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/11/20 12:50	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/11/20 12:50	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/11/20 12:50	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/11/20 12:50	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/11/20 12:50	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/11/20 12:50	1
Styrene	1.0	U	1.0	0.42	ug/L			06/11/20 12:50	1
Tetrachloroethene	**0.98**	**J**	1.0	0.25	ug/L			06/11/20 12:50	1
Toluene	1.0	U	1.0	0.38	ug/L			06/11/20 12:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/11/20 12:50	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/11/20 12:50	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/11/20 12:50	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/11/20 12:50	1
Vinyl chloride	**0.21**	**J**	1.0	0.17	ug/L			06/11/20 12:50	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/11/20 12:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/11/20 12:50	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/11/20 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 123*		*06/11/20 12:50*	*1*
4-Bromofluorobenzene	*99*		*76 - 120*		*06/11/20 12:50*	*1*
Dibromofluoromethane (Surr)	*96*		*77 - 124*		*06/11/20 12:50*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*06/11/20 12:50*	*1*

Client: New York State D.E.C.
Job ID: 460-210363-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: MW-2D
Lab Sample ID: 460-210363-9
Date Collected: 06/01/20 14:20
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	10	U	10	2.4	ug/L			06/11/20 06:06	10
1,1,2,2-Tetrachloroethane	10	U	10	3.7	ug/L			06/11/20 06:06	10
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	10	3.1	ug/L			06/11/20 06:06	10
1,1,2-Trichloroethane	10	U	10	4.3	ug/L			06/11/20 06:06	10
1,1-Dichloroethane	10	U	10	2.6	ug/L			06/11/20 06:06	10
1,1-Dichloroethene	10	U	10	2.6	ug/L			06/11/20 06:06	10
1,2,4-Trichlorobenzene	10	U *	10	3.7	ug/L			06/11/20 06:06	10
1,2-Dichloropropane	10	U	10	3.5	ug/L			06/11/20 06:06	10
1,3-Dichlorobenzene	10	U	10	3.4	ug/L			06/11/20 06:06	10
1,4-Dichlorobenzene	10	U	10	3.3	ug/L			06/11/20 06:06	10
2-Butanone (MEK)	50	U	50	19	ug/L			06/11/20 06:06	10
2-Hexanone	50	U	50	11	ug/L			06/11/20 06:06	10
4-Methyl-2-pentanone (MIBK)	50	U	50	13	ug/L			06/11/20 06:06	10
Acetone	50	U	50	44	ug/L			06/11/20 06:06	10
Benzene	10	U	10	2.0	ug/L			06/11/20 06:06	10
Bromoform	10	U	10	5.4	ug/L			06/11/20 06:06	10
Bromomethane	10	U	10	5.5	ug/L			06/11/20 06:06	10
Carbon disulfide	10	U	10	8.2	ug/L			06/11/20 06:06	10
Carbon tetrachloride	**5.5**	**J**	10	2.1	ug/L			06/11/20 06:06	10
Chlorobenzene	10	U	10	3.8	ug/L			06/11/20 06:06	10
Chlorodibromomethane	10	U	10	2.8	ug/L			06/11/20 06:06	10
Chloroethane	10	U	10	3.2	ug/L			06/11/20 06:06	10
Chloroform	10	U	10	3.3	ug/L			06/11/20 06:06	10
Chloromethane	10	U	10	4.0	ug/L			06/11/20 06:06	10
cis-1,2-Dichloroethene	10	U	10	2.2	ug/L			06/11/20 06:06	10
cis-1,3-Dichloropropene	10	U	10	2.2	ug/L			06/11/20 06:06	10
Cyclohexane	10	U	10	3.2	ug/L			06/11/20 06:06	10
Dichlorobromomethane	10	U	10	3.4	ug/L			06/11/20 06:06	10
Dichlorodifluoromethane	10	U	10	3.1	ug/L			06/11/20 06:06	10
Ethylbenzene	10	U	10	3.0	ug/L			06/11/20 06:06	10
Ethylene Dibromide	10	U	10	5.0	ug/L			06/11/20 06:06	10
Isopropylbenzene	10	U	10	3.4	ug/L			06/11/20 06:06	10
Methyl acetate	50	U	50	7.9	ug/L			06/11/20 06:06	10
Methyl tert-butyl ether	10	U	10	4.7	ug/L			06/11/20 06:06	10
Methylcyclohexane	10	U	10	2.6	ug/L			06/11/20 06:06	10
Methylene Chloride	10	U	10	3.2	ug/L			06/11/20 06:06	10
m-Xylene & p-Xylene	10	U	10	3.0	ug/L			06/11/20 06:06	10
o-Xylene	10	U	10	3.6	ug/L			06/11/20 06:06	10
Xylenes, Total	20	U	20	6.5	ug/L			06/11/20 06:06	10
Styrene	10	U	10	4.2	ug/L			06/11/20 06:06	10
Tetrachloroethene	**1700**		10	2.5	ug/L			06/11/20 06:06	10
Toluene	10	U	10	3.8	ug/L			06/11/20 06:06	10
trans-1,2-Dichloroethene	10	U	10	2.4	ug/L			06/11/20 06:06	10
trans-1,3-Dichloropropene	10	U	10	4.9	ug/L			06/11/20 06:06	10
Trichloroethene	10	U	10	3.1	ug/L			06/11/20 06:06	10
Trichlorofluoromethane	10	U	10	3.2	ug/L			06/11/20 06:06	10
Vinyl chloride	10	U	10	1.7	ug/L			06/11/20 06:06	10
1,2-Dichloroethane	10	U	10	4.3	ug/L			06/11/20 06:06	10
1,2-Dichlorobenzene	10	U	10	4.3	ug/L			06/11/20 06:06	10

Client Sample ID: MW-2D
Lab Sample ID: 460-210363-9
Date Collected: 06/01/20 14:20
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	10	U	10	3.8	ug/L			06/11/20 06:06	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*06/11/20 06:06*	*10*
4-Bromofluorobenzene	*101*		*76 - 120*		*06/11/20 06:06*	*10*
Dibromofluoromethane (Surr)	*100*		*77 - 124*		*06/11/20 06:06*	*10*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/11/20 06:06*	*10*

Client Sample ID: MW-2S
Lab Sample ID: 460-210363-10
Date Collected: 06/01/20 14:45
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/11/20 03:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/11/20 03:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/11/20 03:38	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/11/20 03:38	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/11/20 03:38	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/11/20 03:38	1
1,2,4-Trichlorobenzene	1.0	U *	1.0	0.37	ug/L			06/11/20 03:38	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/11/20 03:38	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/11/20 03:38	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/11/20 03:38	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/11/20 03:38	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/11/20 03:38	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/11/20 03:38	1
Acetone	5.0	U	5.0	4.4	ug/L			06/11/20 03:38	1
Benzene	1.0	U	1.0	0.20	ug/L			06/11/20 03:38	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/11/20 03:38	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/11/20 03:38	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/11/20 03:38	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/11/20 03:38	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/11/20 03:38	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/11/20 03:38	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/11/20 03:38	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/11/20 03:38	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/11/20 03:38	1
cis-1,2-Dichloroethene	**1.8**		1.0	0.22	ug/L			06/11/20 03:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/11/20 03:38	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/11/20 03:38	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/11/20 03:38	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/11/20 03:38	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/11/20 03:38	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/11/20 03:38	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/11/20 03:38	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/11/20 03:38	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/11/20 03:38	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/11/20 03:38	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/11/20 03:38	1

Client Sample ID: MW-2S
Lab Sample ID: 460-210363-10
Date Collected: 06/01/20 14:45
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/11/20 03:38	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/11/20 03:38	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/11/20 03:38	1
Styrene	1.0	U	1.0	0.42	ug/L			06/11/20 03:38	1
Tetrachloroethene	**2.8**		1.0	0.25	ug/L			06/11/20 03:38	1
Toluene	1.0	U	1.0	0.38	ug/L			06/11/20 03:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/11/20 03:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/11/20 03:38	1
Trichloroethene	**0.48**	**J**	1.0	0.31	ug/L			06/11/20 03:38	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/11/20 03:38	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/11/20 03:38	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/11/20 03:38	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/11/20 03:38	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/11/20 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*06/11/20 03:38*	*1*
4-Bromofluorobenzene	*107*		*76 - 120*		*06/11/20 03:38*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*06/11/20 03:38*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/11/20 03:38*	*1*

Client Sample ID: TripBlank_20200601
Lab Sample ID: 460-210363-11
Date Collected: 06/01/20 00:00
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/11/20 01:11	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/11/20 01:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/11/20 01:11	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/11/20 01:11	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/11/20 01:11	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/11/20 01:11	1
1,2,4-Trichlorobenzene	1.0	U *	1.0	0.37	ug/L			06/11/20 01:11	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/11/20 01:11	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/11/20 01:11	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/11/20 01:11	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/11/20 01:11	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/11/20 01:11	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/11/20 01:11	1
Acetone	**5.4**		5.0	4.4	ug/L			06/11/20 01:11	1
Benzene	1.0	U	1.0	0.20	ug/L			06/11/20 01:11	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/11/20 01:11	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/11/20 01:11	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/11/20 01:11	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/11/20 01:11	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/11/20 01:11	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/11/20 01:11	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/11/20 01:11	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/11/20 01:11	1

Client Sample ID: TripBlank_20200601
Lab Sample ID: 460-210363-11
Date Collected: 06/01/20 00:00
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	1.0	U	1.0	0.40	ug/L			06/11/20 01:11	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/11/20 01:11	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/11/20 01:11	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/11/20 01:11	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/11/20 01:11	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/11/20 01:11	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/11/20 01:11	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/11/20 01:11	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/11/20 01:11	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/11/20 01:11	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/11/20 01:11	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/11/20 01:11	1
Methylene Chloride	**0.40**	**J**	1.0	0.32	ug/L			06/11/20 01:11	1
m-Xylene & p-Xylene	**0.41**	**J**	1.0	0.30	ug/L			06/11/20 01:11	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/11/20 01:11	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/11/20 01:11	1
Styrene	1.0	U	1.0	0.42	ug/L			06/11/20 01:11	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/11/20 01:11	1
Toluene	1.0	U	1.0	0.38	ug/L			06/11/20 01:11	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/11/20 01:11	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/11/20 01:11	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/11/20 01:11	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/11/20 01:11	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/11/20 01:11	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/11/20 01:11	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/11/20 01:11	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/11/20 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*		*06/11/20 01:11*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*06/11/20 01:11*	*1*
Dibromofluoromethane (Surr)	*95*		*77 - 124*		*06/11/20 01:11*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/11/20 01:11*	*1*

Client Sample ID: MW-X
Lab Sample ID: 460-210363-12
Date Collected: 06/01/20 00:00
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			06/11/20 13:15	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/11/20 13:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/11/20 13:15	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/11/20 13:15	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/11/20 13:15	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/11/20 13:15	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/11/20 13:15	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/11/20 13:15	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/11/20 13:15	1
1,4-Dichlorobenzene	**1.3**		1.0	0.33	ug/L			06/11/20 13:15	1

Client: New York State D.E.C.
Job ID: 460-210363-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: MW-X
Lab Sample ID: 460-210363-12
Date Collected: 06/01/20 00:00
Matrix: Water
Date Received: 06/02/20 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/11/20 13:15	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/11/20 13:15	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/11/20 13:15	1
Acetone	**6.9**		5.0	4.4	ug/L			06/11/20 13:15	1
Benzene	1.0	U	1.0	0.20	ug/L			06/11/20 13:15	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/11/20 13:15	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/11/20 13:15	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/11/20 13:15	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/11/20 13:15	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/11/20 13:15	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/11/20 13:15	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/11/20 13:15	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/11/20 13:15	1
Chloromethane	**1.1**		1.0	0.40	ug/L			06/11/20 13:15	1
cis-1,2-Dichloroethene	**0.97**	**J**	1.0	0.22	ug/L			06/11/20 13:15	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/11/20 13:15	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/11/20 13:15	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/11/20 13:15	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/11/20 13:15	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/11/20 13:15	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/11/20 13:15	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/11/20 13:15	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/11/20 13:15	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/11/20 13:15	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/11/20 13:15	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/11/20 13:15	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/11/20 13:15	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/11/20 13:15	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/11/20 13:15	1
Styrene	1.0	U	1.0	0.42	ug/L			06/11/20 13:15	1
Tetrachloroethene	**0.89**	**J**	1.0	0.25	ug/L			06/11/20 13:15	1
Toluene	1.0	U	1.0	0.38	ug/L			06/11/20 13:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/11/20 13:15	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/11/20 13:15	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/11/20 13:15	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/11/20 13:15	1
Vinyl chloride	**0.23**	**J**	1.0	0.17	ug/L			06/11/20 13:15	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/11/20 13:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/11/20 13:15	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/11/20 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*		*06/11/20 13:15*	*1*
4-Bromofluorobenzene	*98*		*76 - 120*		*06/11/20 13:15*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*06/11/20 13:15*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*06/11/20 13:15*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Job ID: 460-210363-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
460-210363-1	DDC-4-PD	103	103	101	99
460-210363-2	DDC-4-PS	100	86	94	80
460-210363-3	MW-2A	105	96	98	87
460-210363-4	MW-2AD	119	103	106	94
460-210363-5	DDC-2-PS	123	106	112	97
460-210363-6	DDC-2-PD	97	100	96	95
460-210363-7	MW-5D	131 *	113	116	104
460-210363-8	MW-5S	96	99	96	94
460-210363-9	MW-2D	104	101	100	97
460-210363-9 MS	MW-2D	100	101	100	95
460-210363-9 MSD	MW-2D	100	103	97	96
460-210363-10	MW-2S	104	107	102	101
460-210363-11	TripBlank_20200601	95	101	95	96
460-210363-12	MW-X	97	98	99	93
LCS 460-700144/4	Lab Control Sample	118	98	111	93
LCS 460-700461/5	Lab Control Sample	101	103	101	96
LCS 460-700559/4	Lab Control Sample	98	100	98	95
LCSD 460-700144/6	Lab Control Sample Dup	102	88	91	82
LCSD 460-700559/5	Lab Control Sample Dup	95	101	96	96
MB 460-700144/10	Method Blank	127 *	110	115	102
MB 460-700461/10	Method Blank	102	103	98	98
MB 460-700559/9	Method Blank	97	98	96	94

Surrogate Legend

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

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

Lab Sample ID: MB 460-700144/10
Matrix: Water
Analysis Batch: 700144

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	1.0	U	1.0	0.24	ug/L			06/09/20 22:58	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/09/20 22:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/09/20 22:58	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/09/20 22:58	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/09/20 22:58	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/09/20 22:58	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/09/20 22:58	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/09/20 22:58	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/09/20 22:58	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/09/20 22:58	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/09/20 22:58	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/09/20 22:58	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/09/20 22:58	1
Acetone	5.0	U	5.0	4.4	ug/L			06/09/20 22:58	1
Benzene	1.0	U	1.0	0.20	ug/L			06/09/20 22:58	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/09/20 22:58	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/09/20 22:58	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/09/20 22:58	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/09/20 22:58	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/09/20 22:58	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/09/20 22:58	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/09/20 22:58	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/09/20 22:58	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/09/20 22:58	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/09/20 22:58	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/09/20 22:58	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/09/20 22:58	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/09/20 22:58	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/09/20 22:58	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/09/20 22:58	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/09/20 22:58	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/09/20 22:58	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/09/20 22:58	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/09/20 22:58	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/09/20 22:58	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/09/20 22:58	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/09/20 22:58	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/09/20 22:58	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/09/20 22:58	1
Styrene	1.0	U	1.0	0.42	ug/L			06/09/20 22:58	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/09/20 22:58	1
Toluene	1.0	U	1.0	0.38	ug/L			06/09/20 22:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/09/20 22:58	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/09/20 22:58	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/09/20 22:58	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/09/20 22:58	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/09/20 22:58	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/09/20 22:58	1

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

Lab Sample ID: MB 460-700144/10
Matrix: Water
Analysis Batch: 700144

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/09/20 22:58	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/09/20 22:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*127*	*	*75 - 123*		*06/09/20 22:58*	*1*
4-Bromofluorobenzene	*110*		*76 - 120*		*06/09/20 22:58*	*1*
Dibromofluoromethane (Surr)	*115*		*77 - 124*		*06/09/20 22:58*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/09/20 22:58*	*1*

Lab Sample ID: LCS 460-700144/4
Matrix: Water
Analysis Batch: 700144

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	25.4		ug/L		127	68 - 128
1,1,2,2-Tetrachloroethane	20.0	21.2		ug/L		106	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	28.4		ug/L		142	59 - 142
1,1,2-Trichloroethane	20.0	20.6		ug/L		103	74 - 125
1,1-Dichloroethane	20.0	20.5		ug/L		103	73 - 130
1,1-Dichloroethene	20.0	24.6		ug/L		123	68 - 133
1,2,4-Trichlorobenzene	20.0	23.1		ug/L		116	64 - 132
1,2-Dichloropropane	20.0	19.6		ug/L		98	76 - 126
1,3-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 121
1,4-Dichlorobenzene	20.0	21.8		ug/L		109	80 - 118
2-Butanone (MEK)	100	93.5		ug/L		94	69 - 128
2-Hexanone	100	112		ug/L		112	74 - 127
4-Methyl-2-pentanone (MIBK)	100	111		ug/L		111	78 - 125
Acetone	100	109		ug/L		109	61 - 134
Benzene	20.0	20.6		ug/L		103	78 - 126
Bromoform	20.0	20.9		ug/L		105	38 - 144
Bromomethane	20.0	30.7	*	ug/L		153	10 - 150
Carbon disulfide	20.0	20.5		ug/L		103	64 - 138
Carbon tetrachloride	20.0	24.1		ug/L		120	56 - 131
Chlorobenzene	20.0	21.0		ug/L		105	80 - 119
Chlorodibromomethane	20.0	20.2		ug/L		101	58 - 130
Chloroethane	20.0	27.2		ug/L		136	29 - 150
Chloroform	20.0	23.0		ug/L		115	78 - 125
Chloromethane	20.0	24.7		ug/L		124	38 - 150
cis-1,2-Dichloroethene	20.0	20.7		ug/L		103	78 - 121
cis-1,3-Dichloropropene	20.0	21.9		ug/L		109	74 - 125
Cyclohexane	20.0	19.3		ug/L		97	67 - 133
Dichlorobromomethane	20.0	23.8		ug/L		119	72 - 121
Dichlorodifluoromethane	20.0	22.3		ug/L		112	31 - 150
Ethylbenzene	20.0	19.7		ug/L		99	78 - 120
Ethylene Dibromide	20.0	19.6		ug/L		98	69 - 126
Isopropylbenzene	20.0	22.2		ug/L		111	79 - 125
Methyl acetate	40.0	41.0		ug/L		102	70 - 127
Methyl tert-butyl ether	20.0	21.1		ug/L		106	65 - 131

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

Lab Sample ID: LCS 460-700144/4
Matrix: Water
Analysis Batch: 700144

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	20.0	20.3		ug/L		102	60 - 139
Methylene Chloride	20.0	20.3		ug/L		102	74 - 127
m-Xylene & p-Xylene	20.0	20.2		ug/L		101	78 - 123
o-Xylene	20.0	21.0		ug/L		105	78 - 122
Xylenes, Total	40.0	41.2		ug/L		103	78 - 122
Styrene	20.0	21.3		ug/L		107	75 - 127
Tetrachloroethene	20.0	20.7		ug/L		103	70 - 127
Toluene	20.0	20.5		ug/L		103	78 - 119
trans-1,2-Dichloroethene	20.0	21.1		ug/L		105	74 - 126
trans-1,3-Dichloropropene	20.0	19.6		ug/L		98	66 - 127
Trichloroethene	20.0	20.9		ug/L		104	71 - 121
Trichlorofluoromethane	20.0	33.8	*	ug/L		169	61 - 140
Vinyl chloride	20.0	25.9		ug/L		130	61 - 144
1,2-Dichloroethane	20.0	24.5	*	ug/L		123	75 - 121
1,2-Dichlorobenzene	20.0	21.5		ug/L		107	79 - 122
1,2-Dibromo-3-Chloropropane	20.0	18.4		ug/L		92	41 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 123*
4-Bromofluorobenzene	*98*		*76 - 120*
Dibromofluoromethane (Surr)	*111*		*77 - 124*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: LCSD 460-700144/6
Matrix: Water
Analysis Batch: 700144

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	24.7		ug/L		123	68 - 128	3	30
1,1,2,2-Tetrachloroethane	20.0	21.2		ug/L		106	63 - 139	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	25.2		ug/L		126	59 - 142	12	30
1,1,2-Trichloroethane	20.0	21.2		ug/L		106	74 - 125	3	30
1,1-Dichloroethane	20.0	20.8		ug/L		104	73 - 130	1	30
1,1-Dichloroethene	20.0	23.2		ug/L		116	68 - 133	6	30
1,2,4-Trichlorobenzene	20.0	23.0		ug/L		115	64 - 132	1	30
1,2-Dichloropropane	20.0	20.1		ug/L		101	76 - 126	3	30
1,3-Dichlorobenzene	20.0	21.8		ug/L		109	80 - 121	1	30
1,4-Dichlorobenzene	20.0	21.1		ug/L		106	80 - 118	3	30
2-Butanone (MEK)	100	94.3		ug/L		94	69 - 128	1	30
2-Hexanone	100	113		ug/L		113	74 - 127	1	30
4-Methyl-2-pentanone (MIBK)	100	113		ug/L		113	78 - 125	2	30
Acetone	100	111		ug/L		111	61 - 134	2	30
Benzene	20.0	20.7		ug/L		103	78 - 126	0	30
Bromoform	20.0	19.1		ug/L		96	38 - 144	9	30
Bromomethane	20.0	28.3		ug/L		141	10 - 150	8	30
Carbon disulfide	20.0	23.2		ug/L		116	64 - 138	12	30
Carbon tetrachloride	20.0	21.8		ug/L		109	56 - 131	10	30
Chlorobenzene	20.0	21.1		ug/L		105	80 - 119	0	30

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

Lab Sample ID: LCSD 460-700144/6
Matrix: Water
Analysis Batch: 700144

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorodibromomethane	20.0	19.1		ug/L		96	58 - 130	5	30
Chloroethane	20.0	25.7		ug/L		129	29 - 150	6	30
Chloroform	20.0	22.7		ug/L		114	78 - 125	1	30
Chloromethane	20.0	24.5		ug/L		123	38 - 150	1	30
cis-1,2-Dichloroethene	20.0	21.3		ug/L		106	78 - 121	3	30
cis-1,3-Dichloropropene	20.0	21.6		ug/L		108	74 - 125	1	30
Cyclohexane	20.0	20.3		ug/L		101	67 - 133	5	30
Dichlorobromomethane	20.0	22.3		ug/L		112	72 - 121	6	30
Dichlorodifluoromethane	20.0	19.4		ug/L		97	31 - 150	14	30
Ethylbenzene	20.0	20.3		ug/L		102	78 - 120	3	30
Ethylene Dibromide	20.0	20.9		ug/L		105	69 - 126	7	30
Isopropylbenzene	20.0	22.3		ug/L		112	79 - 125	1	30
Methyl acetate	40.0	51.9	*	ug/L		130	70 - 127	23	30
Methyl tert-butyl ether	20.0	20.9		ug/L		104	65 - 131	1	30
Methylcyclohexane	20.0	19.8		ug/L		99	60 - 139	3	30
Methylene Chloride	20.0	18.7		ug/L		93	74 - 127	8	30
m-Xylene & p-Xylene	20.0	21.2		ug/L		106	78 - 123	5	30
o-Xylene	20.0	21.0		ug/L		105	78 - 122	0	30
Xylenes, Total	40.0	42.2		ug/L		105	78 - 122	2	30
Styrene	20.0	21.3		ug/L		107	75 - 127	0	30
Tetrachloroethene	20.0	20.2		ug/L		101	70 - 127	2	30
Toluene	20.0	21.2		ug/L		106	78 - 119	3	30
trans-1,2-Dichloroethene	20.0	19.0		ug/L		95	74 - 126	11	30
trans-1,3-Dichloropropene	20.0	18.9		ug/L		95	66 - 127	4	30
Trichloroethene	20.0	20.2		ug/L		101	71 - 121	3	30
Trichlorofluoromethane	20.0	31.0	*	ug/L		155	61 - 140	9	30
Vinyl chloride	20.0	24.1		ug/L		120	61 - 144	8	30
1,2-Dichloroethane	20.0	25.0	*	ug/L		125	75 - 121	2	30
1,2-Dichlorobenzene	20.0	21.6		ug/L		108	79 - 122	0	30
1,2-Dibromo-3-Chloropropane	20.0	17.9		ug/L		90	41 - 143	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*
4-Bromofluorobenzene	*88*		*76 - 120*
Dibromofluoromethane (Surr)	*91*		*77 - 124*
Toluene-d8 (Surr)	*82*		*80 - 120*

Lab Sample ID: MB 460-700461/10
Matrix: Water
Analysis Batch: 700461

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	1.0	U	1.0	0.24	ug/L			06/11/20 00:46	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/11/20 00:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/11/20 00:46	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/11/20 00:46	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/11/20 00:46	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/11/20 00:46	1

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

Lab Sample ID: MB 460-700461/10
Matrix: Water
Analysis Batch: 700461

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/11/20 00:46	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/11/20 00:46	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/11/20 00:46	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/11/20 00:46	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/11/20 00:46	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/11/20 00:46	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/11/20 00:46	1
Acetone	5.0	U	5.0	4.4	ug/L			06/11/20 00:46	1
Benzene	1.0	U	1.0	0.20	ug/L			06/11/20 00:46	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/11/20 00:46	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/11/20 00:46	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/11/20 00:46	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/11/20 00:46	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/11/20 00:46	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/11/20 00:46	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/11/20 00:46	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/11/20 00:46	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/11/20 00:46	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/11/20 00:46	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/11/20 00:46	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/11/20 00:46	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/11/20 00:46	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/11/20 00:46	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/11/20 00:46	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/11/20 00:46	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/11/20 00:46	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/11/20 00:46	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/11/20 00:46	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/11/20 00:46	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/11/20 00:46	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/11/20 00:46	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/11/20 00:46	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/11/20 00:46	1
Styrene	1.0	U	1.0	0.42	ug/L			06/11/20 00:46	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/11/20 00:46	1
Toluene	1.0	U	1.0	0.38	ug/L			06/11/20 00:46	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/11/20 00:46	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/11/20 00:46	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/11/20 00:46	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/11/20 00:46	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/11/20 00:46	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/11/20 00:46	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/11/20 00:46	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/11/20 00:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*		*06/11/20 00:46*	*1*
4-Bromofluorobenzene	*103*		*76 - 120*		*06/11/20 00:46*	*1*

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

Lab Sample ID: MB 460-700461/10
Matrix: Water
Analysis Batch: 700461

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*98*		*77 - 124*		*06/11/20 00:46*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*06/11/20 00:46*	*1*

Lab Sample ID: LCS 460-700461/5
Matrix: Water
Analysis Batch: 700461

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	21.3		ug/L		106	68 - 128
1,1,2,2-Tetrachloroethane	20.0	22.8		ug/L		114	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	23.0		ug/L		115	59 - 142
1,1,2-Trichloroethane	20.0	21.8		ug/L		109	74 - 125
1,1-Dichloroethane	20.0	24.6		ug/L		123	73 - 130
1,1-Dichloroethene	20.0	24.3		ug/L		122	68 - 133
1,2,4-Trichlorobenzene	20.0	26.9	*	ug/L		134	64 - 132
1,2-Dichloropropane	20.0	23.2		ug/L		116	76 - 126
1,3-Dichlorobenzene	20.0	21.3		ug/L		106	80 - 121
1,4-Dichlorobenzene	20.0	21.0		ug/L		105	80 - 118
2-Butanone (MEK)	100	93.1		ug/L		93	69 - 128
2-Hexanone	100	105		ug/L		105	74 - 127
4-Methyl-2-pentanone (MIBK)	100	101		ug/L		101	78 - 125
Acetone	100	103		ug/L		103	61 - 134
Benzene	20.0	22.6		ug/L		113	78 - 126
Bromoform	20.0	23.0		ug/L		115	38 - 144
Bromomethane	20.0	23.4		ug/L		117	10 - 150
Carbon disulfide	20.0	25.1		ug/L		126	64 - 138
Carbon tetrachloride	20.0	20.5		ug/L		103	56 - 131
Chlorobenzene	20.0	21.2		ug/L		106	80 - 119
Chlorodibromomethane	20.0	20.6		ug/L		103	58 - 130
Chloroethane	20.0	23.7		ug/L		119	29 - 150
Chloroform	20.0	21.3		ug/L		106	78 - 125
Chloromethane	20.0	24.8		ug/L		124	38 - 150
cis-1,2-Dichloroethene	20.0	21.7		ug/L		108	78 - 121
cis-1,3-Dichloropropene	20.0	22.6		ug/L		113	74 - 125
Cyclohexane	20.0	21.9		ug/L		110	67 - 133
Dichlorobromomethane	20.0	21.1		ug/L		105	72 - 121
Dichlorodifluoromethane	20.0	19.6		ug/L		98	31 - 150
Ethylbenzene	20.0	21.0		ug/L		105	78 - 120
Ethylene Dibromide	20.0	22.4		ug/L		112	69 - 126
Isopropylbenzene	20.0	20.9		ug/L		105	79 - 125
Methyl acetate	40.0	36.5		ug/L		91	70 - 127
Methyl tert-butyl ether	20.0	24.7		ug/L		124	65 - 131
Methylcyclohexane	20.0	21.6		ug/L		108	60 - 139
Methylene Chloride	20.0	23.5		ug/L		117	74 - 127
m-Xylene & p-Xylene	20.0	20.9		ug/L		104	78 - 123
o-Xylene	20.0	20.0		ug/L		100	78 - 122
Xylenes, Total	40.0	40.9		ug/L		102	78 - 122
Styrene	20.0	20.7		ug/L		103	75 - 127

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

Lab Sample ID: LCS 460-700461/5
Matrix: Water
Analysis Batch: 700461

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	20.0	21.5		ug/L		107	70 - 127
Toluene	20.0	21.4		ug/L		107	78 - 119
trans-1,2-Dichloroethene	20.0	23.2		ug/L		116	74 - 126
trans-1,3-Dichloropropene	20.0	22.3		ug/L		111	66 - 127
Trichloroethene	20.0	20.5		ug/L		103	71 - 121
Trichlorofluoromethane	20.0	22.6		ug/L		113	61 - 140
Vinyl chloride	20.0	24.5		ug/L		122	61 - 144
1,2-Dichloroethane	20.0	20.9		ug/L		104	75 - 121
1,2-Dichlorobenzene	20.0	21.8		ug/L		109	79 - 122
1,2-Dibromo-3-Chloropropane	20.0	25.8		ug/L		129	41 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*
4-Bromofluorobenzene	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 124*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 460-210363-9 MS
Matrix: Water
Analysis Batch: 700461

Client Sample ID: MW-2D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10	U	200	205		ug/L		102	68 - 128
1,1,2,2-Tetrachloroethane	10	U	200	230		ug/L		115	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	200	233		ug/L		116	59 - 142
1,1,2-Trichloroethane	10	U	200	214		ug/L		107	74 - 125
1,1-Dichloroethane	10	U	200	239		ug/L		120	73 - 130
1,1-Dichloroethene	10	U	200	244		ug/L		122	68 - 133
1,2,4-Trichlorobenzene	10	U *	200	250		ug/L		125	64 - 132
1,2-Dichloropropane	10	U	200	224		ug/L		112	76 - 126
1,3-Dichlorobenzene	10	U	200	202		ug/L		101	80 - 121
1,4-Dichlorobenzene	10	U	200	207		ug/L		104	80 - 118
2-Butanone (MEK)	50	U	1000	889		ug/L		89	69 - 128
2-Hexanone	50	U	1000	1020		ug/L		102	74 - 127
4-Methyl-2-pentanone (MIBK)	50	U	1000	1000		ug/L		100	78 - 125
Acetone	50	U	1000	952		ug/L		95	61 - 134
Benzene	10	U	200	216		ug/L		108	78 - 126
Bromoform	10	U	200	233		ug/L		116	38 - 144
Bromomethane	10	U	200	187		ug/L		94	10 - 150
Carbon disulfide	10	U	200	247		ug/L		123	64 - 138
Carbon tetrachloride	5.5	J	200	205		ug/L		100	56 - 131
Chlorobenzene	10	U	200	206		ug/L		103	80 - 119
Chlorodibromomethane	10	U	200	200		ug/L		100	58 - 130
Chloroethane	10	U	200	251		ug/L		126	29 - 150
Chloroform	10	U	200	215		ug/L		107	78 - 125
Chloromethane	10	U	200	202		ug/L		101	38 - 150
cis-1,2-Dichloroethene	10	U	200	219		ug/L		109	78 - 121
cis-1,3-Dichloropropene	10	U	200	206		ug/L		103	74 - 125

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

Lab Sample ID: 460-210363-9 MS
Matrix: Water
Analysis Batch: 700461

Client Sample ID: MW-2D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	10	U	200	216		ug/L		108	67 - 133
Dichlorobromomethane	10	U	200	205		ug/L		102	72 - 121
Dichlorodifluoromethane	10	U	200	196		ug/L		98	31 - 150
Ethylbenzene	10	U	200	200		ug/L		100	78 - 120
Ethylene Dibromide	10	U	200	214		ug/L		107	69 - 126
Isopropylbenzene	10	U	200	203		ug/L		101	79 - 125
Methyl acetate	50	U	400	356		ug/L		89	70 - 127
Methyl tert-butyl ether	10	U	200	247		ug/L		123	65 - 131
Methylcyclohexane	10	U	200	210		ug/L		105	60 - 139
Methylene Chloride	10	U	200	236		ug/L		118	74 - 127
m-Xylene & p-Xylene	10	U	200	198		ug/L		99	78 - 123
o-Xylene	10	U	200	195		ug/L		98	78 - 122
Xylenes, Total	20	U	400	393		ug/L		98	78 - 122
Styrene	10	U	200	205		ug/L		103	75 - 127
Tetrachloroethene	1700		200	1730	*	ug/L		12	70 - 127
Toluene	10	U	200	212		ug/L		106	78 - 119
trans-1,2-Dichloroethene	10	U	200	242		ug/L		121	74 - 126
trans-1,3-Dichloropropene	10	U	200	206		ug/L		103	66 - 127
Trichloroethene	10	U	200	208		ug/L		104	71 - 121
Trichlorofluoromethane	10	U	200	225		ug/L		112	61 - 140
Vinyl chloride	10	U	200	250		ug/L		125	61 - 144
1,2-Dichloroethane	10	U	200	205		ug/L		102	75 - 121
1,2-Dichlorobenzene	10	U	200	211		ug/L		106	79 - 122
1,2-Dibromo-3-Chloropropane	10	U	200	247		ug/L		123	41 - 143

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*
4-Bromofluorobenzene	*101*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 124*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: 460-210363-9 MSD
Matrix: Water
Analysis Batch: 700461

Client Sample ID: MW-2D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	10	U	200	221		ug/L		111	68 - 128	8	30
1,1,2,2-Tetrachloroethane	10	U	200	252		ug/L		126	63 - 139	9	30
1,1,2-Trichloro-1,2,2-trifluoroethane	10	U	200	251		ug/L		126	59 - 142	8	30
1,1,2-Trichloroethane	10	U	200	232		ug/L		116	74 - 125	8	30
1,1-Dichloroethane	10	U	200	273	*	ug/L		136	73 - 130	13	30
1,1-Dichloroethene	10	U	200	263		ug/L		132	68 - 133	7	30
1,2,4-Trichlorobenzene	10	U *	200	285	*	ug/L		143	64 - 132	13	30
1,2-Dichloropropane	10	U	200	241		ug/L		120	76 - 126	7	30
1,3-Dichlorobenzene	10	U	200	224		ug/L		112	80 - 121	10	30
1,4-Dichlorobenzene	10	U	200	225		ug/L		112	80 - 118	8	30
2-Butanone (MEK)	50	U	1000	962		ug/L		96	69 - 128	8	30
2-Hexanone	50	U	1000	1160		ug/L		116	74 - 127	13	30

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

Lab Sample ID: 460-210363-9 MSD
Matrix: Water
Analysis Batch: 700461

Client Sample ID: MW-2D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	50	U	1000	1140		ug/L		114	78 - 125	13	30
Acetone	50	U	1000	1080		ug/L		108	61 - 134	12	30
Benzene	10	U	200	236		ug/L		118	78 - 126	9	30
Bromoform	10	U	200	241		ug/L		121	38 - 144	3	30
Bromomethane	10	U	200	230		ug/L		115	10 - 150	20	30
Carbon disulfide	10	U	200	273		ug/L		137	64 - 138	10	30
Carbon tetrachloride	5.5	J	200	222		ug/L		108	56 - 131	8	30
Chlorobenzene	10	U	200	228		ug/L		114	80 - 119	10	30
Chlorodibromomethane	10	U	200	223		ug/L		111	58 - 130	11	30
Chloroethane	10	U	200	251		ug/L		126	29 - 150	0	30
Chloroform	10	U	200	228		ug/L		114	78 - 125	6	30
Chloromethane	10	U	200	219		ug/L		109	38 - 150	8	30
cis-1,2-Dichloroethene	10	U	200	230		ug/L		115	78 - 121	5	30
cis-1,3-Dichloropropene	10	U	200	229		ug/L		115	74 - 125	11	30
Cyclohexane	10	U	200	236		ug/L		118	67 - 133	9	30
Dichlorobromomethane	10	U	200	223		ug/L		111	72 - 121	8	30
Dichlorodifluoromethane	10	U	200	198		ug/L		99	31 - 150	1	30
Ethylbenzene	10	U	200	223		ug/L		112	78 - 120	11	30
Ethylene Dibromide	10	U	200	239		ug/L		120	69 - 126	11	30
Isopropylbenzene	10	U	200	222		ug/L		111	79 - 125	9	30
Methyl acetate	50	U	400	389		ug/L		97	70 - 127	9	30
Methyl tert-butyl ether	10	U	200	259		ug/L		129	65 - 131	5	30
Methylcyclohexane	10	U	200	229		ug/L		114	60 - 139	8	30
Methylene Chloride	10	U	200	226		ug/L		113	74 - 127	4	30
m-Xylene & p-Xylene	10	U	200	219		ug/L		109	78 - 123	10	30
o-Xylene	10	U	200	220		ug/L		110	78 - 122	12	30
Xylenes, Total	20	U	400	439		ug/L		110	78 - 122	11	30
Styrene	10	U	200	222		ug/L		111	75 - 127	8	30
Tetrachloroethene	1700		200	1770	*	ug/L		32	70 - 127	2	30
Toluene	10	U	200	231		ug/L		115	78 - 119	9	30
trans-1,2-Dichloroethene	10	U	200	252		ug/L		126	74 - 126	4	30
trans-1,3-Dichloropropene	10	U	200	231		ug/L		116	66 - 127	12	30
Trichloroethene	10	U	200	217		ug/L		109	71 - 121	4	30
Trichlorofluoromethane	10	U	200	226		ug/L		113	61 - 140	1	30
Vinyl chloride	10	U	200	261		ug/L		131	61 - 144	5	30
1,2-Dichloroethane	10	U	200	214		ug/L		107	75 - 121	4	30
1,2-Dichlorobenzene	10	U	200	227		ug/L		114	79 - 122	7	30
1,2-Dibromo-3-Chloropropane	10	U	200	272		ug/L		136	41 - 143	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*
4-Bromofluorobenzene	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 124*
Toluene-d8 (Surr)	*96*		*80 - 120*

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

Lab Sample ID: MB 460-700559/9
Matrix: Water
Analysis Batch: 700559

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	1.0	U	1.0	0.24	ug/L			06/11/20 12:26	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			06/11/20 12:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			06/11/20 12:26	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			06/11/20 12:26	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			06/11/20 12:26	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			06/11/20 12:26	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			06/11/20 12:26	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			06/11/20 12:26	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			06/11/20 12:26	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			06/11/20 12:26	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			06/11/20 12:26	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			06/11/20 12:26	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			06/11/20 12:26	1
Acetone	5.0	U	5.0	4.4	ug/L			06/11/20 12:26	1
Benzene	1.0	U	1.0	0.20	ug/L			06/11/20 12:26	1
Bromoform	1.0	U	1.0	0.54	ug/L			06/11/20 12:26	1
Bromomethane	1.0	U	1.0	0.55	ug/L			06/11/20 12:26	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			06/11/20 12:26	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			06/11/20 12:26	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			06/11/20 12:26	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			06/11/20 12:26	1
Chloroethane	1.0	U	1.0	0.32	ug/L			06/11/20 12:26	1
Chloroform	1.0	U	1.0	0.33	ug/L			06/11/20 12:26	1
Chloromethane	1.0	U	1.0	0.40	ug/L			06/11/20 12:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			06/11/20 12:26	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			06/11/20 12:26	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			06/11/20 12:26	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			06/11/20 12:26	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			06/11/20 12:26	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			06/11/20 12:26	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			06/11/20 12:26	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			06/11/20 12:26	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			06/11/20 12:26	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			06/11/20 12:26	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			06/11/20 12:26	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			06/11/20 12:26	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			06/11/20 12:26	1
o-Xylene	1.0	U	1.0	0.36	ug/L			06/11/20 12:26	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			06/11/20 12:26	1
Styrene	1.0	U	1.0	0.42	ug/L			06/11/20 12:26	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			06/11/20 12:26	1
Toluene	1.0	U	1.0	0.38	ug/L			06/11/20 12:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			06/11/20 12:26	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			06/11/20 12:26	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			06/11/20 12:26	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			06/11/20 12:26	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			06/11/20 12:26	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			06/11/20 12:26	1

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

Lab Sample ID: MB 460-700559/9
Matrix: Water
Analysis Batch: 700559

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			06/11/20 12:26	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			06/11/20 12:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*		*06/11/20 12:26*	*1*
4-Bromofluorobenzene	*98*		*76 - 120*		*06/11/20 12:26*	*1*
Dibromofluoromethane (Surr)	*96*		*77 - 124*		*06/11/20 12:26*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*06/11/20 12:26*	*1*

Lab Sample ID: LCS 460-700559/4
Matrix: Water
Analysis Batch: 700559

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	17.7		ug/L		88	68 - 128
1,1,2,2-Tetrachloroethane	20.0	20.0		ug/L		100	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.6		ug/L		103	59 - 142
1,1,2-Trichloroethane	20.0	18.9		ug/L		94	74 - 125
1,1-Dichloroethane	20.0	21.2		ug/L		106	73 - 130
1,1-Dichloroethene	20.0	20.5		ug/L		102	68 - 133
1,2,4-Trichlorobenzene	20.0	24.4		ug/L		122	64 - 132
1,2-Dichloropropane	20.0	20.1		ug/L		100	76 - 126
1,3-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 121
1,4-Dichlorobenzene	20.0	18.9		ug/L		95	80 - 118
2-Butanone (MEK)	100	87.0		ug/L		87	69 - 128
2-Hexanone	100	98.4		ug/L		98	74 - 127
4-Methyl-2-pentanone (MIBK)	100	96.9		ug/L		97	78 - 125
Acetone	100	91.2		ug/L		91	61 - 134
Benzene	20.0	19.8		ug/L		99	78 - 126
Bromoform	20.0	19.5		ug/L		97	38 - 144
Bromomethane	20.0	19.2		ug/L		96	10 - 150
Carbon disulfide	20.0	20.9		ug/L		104	64 - 138
Carbon tetrachloride	20.0	17.7		ug/L		88	56 - 131
Chlorobenzene	20.0	18.9		ug/L		94	80 - 119
Chlorodibromomethane	20.0	18.1		ug/L		91	58 - 130
Chloroethane	20.0	20.7		ug/L		104	29 - 150
Chloroform	20.0	18.5		ug/L		93	78 - 125
Chloromethane	20.0	17.2		ug/L		86	38 - 150
cis-1,2-Dichloroethene	20.0	18.8		ug/L		94	78 - 121
cis-1,3-Dichloropropene	20.0	19.3		ug/L		96	74 - 125
Cyclohexane	20.0	18.7		ug/L		94	67 - 133
Dichlorobromomethane	20.0	18.0		ug/L		90	72 - 121
Dichlorodifluoromethane	20.0	15.5		ug/L		77	31 - 150
Ethylbenzene	20.0	18.5		ug/L		92	78 - 120
Ethylene Dibromide	20.0	19.2		ug/L		96	69 - 126
Isopropylbenzene	20.0	18.4		ug/L		92	79 - 125
Methyl acetate	40.0	35.2		ug/L		88	70 - 127
Methyl tert-butyl ether	20.0	21.6		ug/L		108	65 - 131

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

Lab Sample ID: LCS 460-700559/4
Matrix: Water
Analysis Batch: 700559

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	20.0	18.0		ug/L		90	60 - 139
Methylene Chloride	20.0	20.4		ug/L		102	74 - 127
m-Xylene & p-Xylene	20.0	18.0		ug/L		90	78 - 123
o-Xylene	20.0	18.1		ug/L		91	78 - 122
Xylenes, Total	40.0	36.2		ug/L		90	78 - 122
Styrene	20.0	18.7		ug/L		93	75 - 127
Tetrachloroethene	20.0	19.2		ug/L		96	70 - 127
Toluene	20.0	18.8		ug/L		94	78 - 119
trans-1,2-Dichloroethene	20.0	20.8		ug/L		104	74 - 126
trans-1,3-Dichloropropene	20.0	19.3		ug/L		96	66 - 127
Trichloroethene	20.0	18.1		ug/L		91	71 - 121
Trichlorofluoromethane	20.0	18.5		ug/L		93	61 - 140
Vinyl chloride	20.0	19.2		ug/L		96	61 - 144
1,2-Dichloroethane	20.0	18.1		ug/L		90	75 - 121
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	79 - 122
1,2-Dibromo-3-Chloropropane	20.0	22.7		ug/L		114	41 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*
4-Bromofluorobenzene	*100*		*76 - 120*
Dibromofluoromethane (Surr)	*98*		*77 - 124*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: LCSD 460-700559/5
Matrix: Water
Analysis Batch: 700559

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	19.3		ug/L		96	68 - 128	9	30
1,1,2,2-Tetrachloroethane	20.0	21.4		ug/L		107	63 - 139	7	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.8		ug/L		109	59 - 142	5	30
1,1,2-Trichloroethane	20.0	20.3		ug/L		101	74 - 125	7	30
1,1-Dichloroethane	20.0	22.3		ug/L		112	73 - 130	5	30
1,1-Dichloroethene	20.0	21.4		ug/L		107	68 - 133	5	30
1,2,4-Trichlorobenzene	20.0	25.6		ug/L		128	64 - 132	5	30
1,2-Dichloropropane	20.0	21.2		ug/L		106	76 - 126	5	30
1,3-Dichlorobenzene	20.0	20.1		ug/L		100	80 - 121	4	30
1,4-Dichlorobenzene	20.0	20.3		ug/L		101	80 - 118	7	30
2-Butanone (MEK)	100	89.9		ug/L		90	69 - 128	3	30
2-Hexanone	100	113		ug/L		113	74 - 127	14	30
4-Methyl-2-pentanone (MIBK)	100	111		ug/L		111	78 - 125	13	30
Acetone	100	103		ug/L		103	61 - 134	12	30
Benzene	20.0	21.3		ug/L		107	78 - 126	8	30
Bromoform	20.0	21.5		ug/L		108	38 - 144	10	30
Bromomethane	20.0	21.3		ug/L		106	10 - 150	10	30
Carbon disulfide	20.0	22.2		ug/L		111	64 - 138	6	30
Carbon tetrachloride	20.0	18.6		ug/L		93	56 - 131	5	30
Chlorobenzene	20.0	20.4		ug/L		102	80 - 119	8	30

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

Lab Sample ID: LCSD 460-700559/5
Matrix: Water
Analysis Batch: 700559

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorodibromomethane			20.0	19.7		ug/L		99	58 - 130	8	30
Chloroethane			20.0	22.0		ug/L		110	29 - 150	6	30
Chloroform			20.0	19.6		ug/L		98	78 - 125	6	30
Chloromethane			20.0	18.5		ug/L		92	38 - 150	7	30
cis-1,2-Dichloroethene			20.0	19.3		ug/L		96	78 - 121	2	30
cis-1,3-Dichloropropene			20.0	20.9		ug/L		104	74 - 125	8	30
Cyclohexane			20.0	19.6		ug/L		98	67 - 133	4	30
Dichlorobromomethane			20.0	19.1		ug/L		95	72 - 121	6	30
Dichlorodifluoromethane			20.0	17.3		ug/L		86	31 - 150	11	30
Ethylbenzene			20.0	19.7		ug/L		99	78 - 120	7	30
Ethylene Dibromide			20.0	20.9		ug/L		105	69 - 126	8	30
Isopropylbenzene			20.0	19.9		ug/L		100	79 - 125	8	30
Methyl acetate			40.0	39.9		ug/L		100	70 - 127	12	30
Methyl tert-butyl ether			20.0	21.9		ug/L		109	65 - 131	1	30
Methylcyclohexane			20.0	19.4		ug/L		97	60 - 139	7	30
Methylene Chloride			20.0	21.5		ug/L		108	74 - 127	5	30
m-Xylene & p-Xylene			20.0	19.2		ug/L		96	78 - 123	6	30
o-Xylene			20.0	19.7		ug/L		99	78 - 122	8	30
Xylenes, Total			40.0	38.9		ug/L		97	78 - 122	7	30
Styrene			20.0	20.2		ug/L		101	75 - 127	8	30
Tetrachloroethene			20.0	20.7		ug/L		103	70 - 127	7	30
Toluene			20.0	20.1		ug/L		100	78 - 119	7	30
trans-1,2-Dichloroethene			20.0	21.9		ug/L		109	74 - 126	5	30
trans-1,3-Dichloropropene			20.0	21.3		ug/L		107	66 - 127	10	30
Trichloroethene			20.0	19.3		ug/L		96	71 - 121	6	30
Trichlorofluoromethane			20.0	20.3		ug/L		102	61 - 140	9	30
Vinyl chloride			20.0	21.5		ug/L		108	61 - 144	11	30
1,2-Dichloroethane			20.0	18.1		ug/L		91	75 - 121	0	30
1,2-Dichlorobenzene			20.0	20.6		ug/L		103	79 - 122	6	30
1,2-Dibromo-3-Chloropropane			20.0	23.8		ug/L		119	41 - 143	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*
4-Bromofluorobenzene	*101*		*76 - 120*
Dibromofluoromethane (Surr)	*96*		*77 - 124*
Toluene-d8 (Surr)	*96*		*80 - 120*

QC Association Summary

Client: New York State D.E.C.
Job ID: 460-210363-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

GC/MS VOA

Analysis Batch: 700144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-210363-2	DDC-4-PS	Total/NA	Water	8260C	
460-210363-3	MW-2A	Total/NA	Water	8260C	
460-210363-4	MW-2AD	Total/NA	Water	8260C	
460-210363-5	DDC-2-PS	Total/NA	Water	8260C	
460-210363-7	MW-5D	Total/NA	Water	8260C	
MB 460-700144/10	Method Blank	Total/NA	Water	8260C	
LCS 460-700144/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-700144/6	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 700461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-210363-1	DDC-4-PD	Total/NA	Water	8260C	
460-210363-6	DDC-2-PD	Total/NA	Water	8260C	
460-210363-9	MW-2D	Total/NA	Water	8260C	
460-210363-10	MW-2S	Total/NA	Water	8260C	
460-210363-11	TripBlank_20200601	Total/NA	Water	8260C	
MB 460-700461/10	Method Blank	Total/NA	Water	8260C	
LCS 460-700461/5	Lab Control Sample	Total/NA	Water	8260C	
460-210363-9 MS	MW-2D	Total/NA	Water	8260C	
460-210363-9 MSD	MW-2D	Total/NA	Water	8260C	

Analysis Batch: 700559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-210363-8	MW-5S	Total/NA	Water	8260C	
460-210363-12	MW-X	Total/NA	Water	8260C	
MB 460-700559/9	Method Blank	Total/NA	Water	8260C	
LCS 460-700559/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-700559/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-210363-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: DDC-4-PD
Lab Sample ID: 460-210363-1
Date Collected: 06/01/20 09:09
Matrix: Water
Date Received: 06/02/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700461	06/11/20 04:03	MZS	TAL EDI

Client Sample ID: DDC-4-PS
Lab Sample ID: 460-210363-2
Date Collected: 06/01/20 09:40
Matrix: Water
Date Received: 06/02/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700144	06/10/20 01:22	GXY	TAL EDI

Client Sample ID: MW-2A
Lab Sample ID: 460-210363-3
Date Collected: 06/01/20 10:11
Matrix: Water
Date Received: 06/02/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700144	06/10/20 01:50	GXY	TAL EDI

Client Sample ID: MW-2AD
Lab Sample ID: 460-210363-4
Date Collected: 06/01/20 10:41
Matrix: Water
Date Received: 06/02/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700144	06/10/20 02:14	GXY	TAL EDI

Client Sample ID: DDC-2-PS
Lab Sample ID: 460-210363-5
Date Collected: 06/01/20 11:21
Matrix: Water
Date Received: 06/02/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700144	06/10/20 02:38	GXY	TAL EDI

Client Sample ID: DDC-2-PD
Lab Sample ID: 460-210363-6
Date Collected: 06/01/20 12:10
Matrix: Water
Date Received: 06/02/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700461	06/11/20 04:52	MZS	TAL EDI

Client Sample ID: MW-5D
Lab Sample ID: 460-210363-7
Date Collected: 06/01/20 13:09
Matrix: Water
Date Received: 06/02/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700144	06/10/20 03:26	GXY	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-210363-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: MW-5S
Lab Sample ID: 460-210363-8
Date Collected: 06/01/20 13:37
Matrix: Water
Date Received: 06/02/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700559	06/11/20 12:50	MZS	TAL EDI

Client Sample ID: MW-2D
Lab Sample ID: 460-210363-9
Date Collected: 06/01/20 14:20
Matrix: Water
Date Received: 06/02/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	700461	06/11/20 06:06	MZS	TAL EDI

Client Sample ID: MW-2S
Lab Sample ID: 460-210363-10
Date Collected: 06/01/20 14:45
Matrix: Water
Date Received: 06/02/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700461	06/11/20 03:38	MZS	TAL EDI

Client Sample ID: TripBlank_20200601
Lab Sample ID: 460-210363-11
Date Collected: 06/01/20 00:00
Matrix: Water
Date Received: 06/02/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700461	06/11/20 01:11	MZS	TAL EDI

Client Sample ID: MW-X
Lab Sample ID: 460-210363-12
Date Collected: 06/01/20 00:00
Matrix: Water
Date Received: 06/02/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	700559	06/11/20 13:15	MZS	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 460-210363-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Laboratory: Eurofins TestAmerica, Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0200	09-30-20
DE Haz. Subst. Cleanup Act (HSCA)	State	<cert No.>	12-31-21
Georgia	State	12028 (NJ)	06-30-20
Massachusetts	State	M-NJ312	06-30-20
New Jersey	NELAP	12028	06-30-20
New York	NELAP	11452	04-01-21
Pennsylvania	NELAP	68-00522	02-28-21
Rhode Island	State	LAO00132	12-31-20
USDA	US Federal Programs	P330-18-00135	05-03-21

Method Summary

Client: New York State D.E.C.
Job ID: 460-210363-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

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

Protocol References:

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

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: New York State D.E.C.
Job ID: 460-210363-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-210363-1	DDC-4-PD	Water	06/01/20 09:09	06/02/20 18:00	
460-210363-2	DDC-4-PS	Water	06/01/20 09:40	06/02/20 18:00	
460-210363-3	MW-2A	Water	06/01/20 10:11	06/02/20 18:00	
460-210363-4	MW-2AD	Water	06/01/20 10:41	06/02/20 18:00	
460-210363-5	DDC-2-PS	Water	06/01/20 11:21	06/02/20 18:00	
460-210363-6	DDC-2-PD	Water	06/01/20 12:10	06/02/20 18:00	
460-210363-7	MW-5D	Water	06/01/20 13:09	06/02/20 18:00	
460-210363-8	MW-5S	Water	06/01/20 13:37	06/02/20 18:00	
460-210363-9	MW-2D	Water	06/01/20 14:20	06/02/20 18:00	
460-210363-10	MW-2S	Water	06/01/20 14:45	06/02/20 18:00	
460-210363-11	TripBlank_20200601	Water	06/01/20 00:00	06/02/20 18:00	
460-210363-12	MW-X	Water	06/01/20 00:00	06/02/20 18:00	

Chain of Custody Record 455185

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other: NYSDEC NYC

TAL-8210

Client Contact	Project Manager: IAN HOFMANN	Site Contact:	Date:	COC No: 22 of _____ COCs
Company Name: EAR	Tel/Email:	Lab Contact:	Carrier:	Sampler:
Address: 225 ATLANTIC AVE.	Analysis Turnaround Time			For Lab Use Only:
City/State/Zip: PATCHOGUE, N.Y. 11772	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
Phone: (631) 447-6400	TAT if different from Below 10-DAY			Lab Sampling:
Fax:	☐ 2 weeks			
Project Name: DEC - EAST FARMINGDALE/ADAMS	☐ 1 week			Job / SDG No.: 210363
Site: 152140	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs by EPA 8260B	Sample Specific Notes:
DDC-4-PD	6/1/20	9:09	G	AQ	3	N	N	3	1
DDC-4-PS		9:40							2
MW-2A		10:11							3
MW-2AD		10:41							4
DDC-2-PS		11:21							5
DDC-2-PD		12:10							6
MW-5D		13:09							7
MW-5S		13:37							8
MW-2D		14:20							9
MW-2S		14:45							10
TRIPBLANK_20200601		—			2			2	11
MW-X		—			3			3	12

460-210363 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
CAT "A" DELIVERABLES

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	EAR	6/1/20 15:00	EAR FRIDGE	EAR	6/1/20 15:00
[signature] FROM EAR	EAR	6-2-20 1040	[signature]	TAL	6/2/20 1040
[signature]	TAL	6/2/20 1800	[signature]	TAL	6220 1700

from at 6-2-20 1800 S-3 ZR 11 S & IR 1 TAEd. 6/2/20

6/15/2020

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 210363

Number of Coolers: 2 IR Gun # _____

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	5.3 ℃	℃	Cooler #4:	℃	℃	Cooler #7:	℃	℃
Cooler #2:	5.8 ℃	℃	Cooler #5:	℃	℃	Cooler #8:	℃	℃
Cooler #3:	℃	℃	Cooler #6:	℃	℃	Cooler #9:	℃	℃

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: [signature] Date: 6 2 20

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-210363-1

Login Number: 210363
List Number: 1
Creator: Callahan, April R

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	