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ENVIRONMENTAL
ASSESSMENT &
REMEDIATIONS

June 8, 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 May 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 March through May 2020. During this reporting period, site visits were conducted on the following dates:

Date	System(s)	Purpose
3/2/20	SVE, DDC #3	Restarted systems following O&M transition from EA Engineering PC.
3/13/20	DDC #1, DDC #2	Assess VFD and blower operation at both systems.
3/18/20 through 3/20/20	n/a	Quarterly groundwater sampling
3/24/20	SVE, DDC #3	Monthly O&M and quarterly system air sample collection.
3/27/20	DDC #1	Met former electrical contractor onsite to discuss system history and status.
4/14/20	DDC #1, SVE, DDC #3	Monthly O&M at SVE and DDC #3. Continue troubleshooting at DDC #1.
4/16/20	DDC #1	Continue troubleshooting. Dismantled KO tanks.
4/29/20	DDC #3	Repaired flex hose connection at carbon vessel for blower array #2.
5/6/20	DDC #1	Reassembled KO tanks, replaced sump pump at well DDC-2, continue troubleshooting.

5/7/20	DDC #1, SVE, DDC #3	Monthly O&M at SVE and DDC #3. Attempted PLC connection at DDC #1.
5/27/20	DDC #1	Re-attempted PLC connection.

1.0 Systems O&M

1.1 SVE System

Following system restart on March 2, 2020, the SVE system was operational throughout the reporting period. Total system runtime for the reporting period is estimated at >60%.

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, total VOC and vacuum monitoring was not conducted at the vapor monitoring points within the 1 Adams Blvd building as the warehouse was closed due to the ongoing Coronavirus pandemic.

SVE system operating parameters are summarized in Table 1.

1.1.2 SVE System Air Sampling

Quarterly SVE system air samples were collected on March 24, 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 blower and VFD assessment, disassembly, inspection, and reassembly of the knockout tanks, extraction well sump pump replacement, and PLC troubleshooting.

A significant issue is the inability to run the system in "Auto." EAR is presently trying to communicate locally with the PLC (which is difficult due to the age of the unit) so that any alarm signals can be identified and the current program evaluated.

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)

Following system restart on March 2, 2020, the offsite DDC system was operational throughout the reporting period with the exception of temporary shutdowns for system maintenance and/or repairs. Total system runtime for the reporting period is estimated at >90%.

During the March 2020 site visit, EAR identified a tear in a flex hose connection at the B-501 dedicated carbon adsorber vessel array. The tear prevented quarterly alternation of the blowers. EAR repaired the hose connection on April 29. Blower operation was alternated from B-502 to B-501 during the May 7 site visit.

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 March 24, 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 March 18-20, 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.

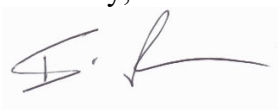
Groundwater samples were collected following low-flow purging procedures using peristaltic pumps and dedicated HDPE tubing. Groundwater samples were placed into the appropriate sample containers provided by the laboratory and immediately placed in a cooler with ice to maintain a temperature of 4 degrees Celsius. A total of 38 water samples (including 1 blind duplicate, 2 ms/msd samples, 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

National Heatset
1 Adams Blvd
East Farmingdale, NY

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

SVE System Data Log

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

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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

SVE System Data Log

Date		3/24/2020	4/14/2020	5/7/2020	6/4/2020
Technician		JB	JB	JB, MF	JB, MF
	MW-E	-	-	-	-
	VP-1	-	-	-	-
	VP-2	-	-	-	-
	VP-3	-	-	-	-
	VP-3 (former)	-	-	-	-
	VP-7	-	-	-	-
	VP-8	-	-	-	-
	VP-9	-	-	-	-
	VP-10	-	-	-	-
	VP-11	-	-	-	-
	VP-12	-	-	-	-
	VP-13	-	-	-	-
	VP-14	-	-	-	-
	VP-15	-	-	-	-
	VP-16	-	-	-	-
	VP-17	-	-	-	-
	VP-18	-	-	-	-
	VP-19	-	-	-	-
	VP-20	-	-	-	-

Notes:

1 Adams Blvd
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Spill # 152140

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

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

Location	SVE Influent	SVE Effluent
Date Collected	3/24/2020	3/24/2020
Time Collected	3:04 PM	1:08 PM
1,1 Dichloroethane	<390	<1,200
1,1 Dichloroethene	<190	<610
1,1,1 Trichloroethane	<520	<1,700
1,1,2 Trichloroethane	<520	<1,700
1,1,2,2 Tetrachloroethane	<660	<2,100
1,2 Dibromoethane	<740	<2,400
1,2 Dichlorobenzene	<580	<1,800
1,2 Dichloroethane	<390	<1,200
1,2 Dichloropropane	<440	<1,400
1,2,4 Trichlorobenzene	<710	<2,300
1,2,4 Trimethylbenzene	<470	<1,500
1,3 Butadiene	<420	<1,400
1,3 Dichlorobenzene	<580	<1,800
1,3,5 Trimethylbenzene	<470	<1,500
1,4 Dichlorobenzene	<580	<1,800
1,4-Dioxane	<860	<2,800
2,2,4-Trimethylpentane	<1,100	<3,600
2-Hexanone	<980	<3,100
3-Chloropropene	<300	<960
4-Ethyltoluene	<940	<3,000
4-Methyl-2-Pentanone	<980	<3,100
Acetone	<5,700	<18,000
Benzene	<310	<980
Benzyl Chloride	<990	<3,200
Bromodichloromethane	<640	<2,100
Bromoform	<990	<3,200
Bromomethane	<370	<1,200
c 1,3 Dichloropropene	<440	<1,400
Carbon Disulfide	<750	<2,400
Carbon Tetrachloride	<240	<770
Chlorobenzene	<440	<1,400
Chloroethane	<250	<810

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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

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

Location	SVE Influent	SVE Effluent
Date Collected	3/24/2020	3/24/2020
Time Collected	3:04 PM	1:08 PM
Chloroform	<470	<1,500
Chloromethane	<490	<1,600
cis-1,2-Dichloroethene	<190	<610
Cyclohexane	<820	<2,600
Dibromochloromethane	<820	<2,600
Dichlorodifluoromethane	<470	<1,500
Ethanol	<4,500	<14,000
Ethylbenzene	<420	<1,300
Freon 113	<730	<2,400
Freon 114	<670	<2,100
Heptane	<980	<3,100
Hexachlorobutadiene	<1,000	<3,300
Hexane	<840	<2,700
Isopropyl Alcohol	<2,400	<7,600
Isopropylbenzene	<940	<3,000
m + p Xylene	<420	<1,300
Methyl Ethyl Ketone	**6,400**	**14,000**
Methylene Chloride	<1,700	<5,300
n Propylbenzene	<940	<3,000
o-Xylene	<420	<1,300
Styrene	<410	<1,300
t 1,3 Dichloropropene	<440	<1,400
t butylmethylether	<690	<2,200
Tetrachloroethene	<650	<2,100
Tetrahydrofuran	**81,000**	**130,000**
Toluene	<540	<1,700
Total BTEX	<2,110	<6,580
trans-1,2-Dichloroethene	<380	<1,200
Trichloroethylene	<230	<740
Trichlorofluoromethane	<540	<1,700
Vinyl Chloride	<120	<390

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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Offsite DDC System Data Log

Date		3/24/2020	4/14/2020	5/7/2020	6/4/2020
Technician		JB	JB, MF	JB, MF	JB, MF
Offsite DDC System					
System Status on Arrival		On	On	On	On
System Status on Departure		On	On	On	On
Hours					
	B-501	31511.8	31511.8	31512.1	32182.1
	TP-211	4.2	4.2	4.2	4.2
	B-502	27280.5	27784.6	28335.1	28335.1
	TP-212	41.4	41.4	41.4	41.4
	B-503	0.0	0.0	0.0	0.0
	TP-213	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
	Hours Since Last Reading	-	504.12	551.10	670.12
	Active Blower Hr Meter Difference	-	504.10	550.50	670.00
Vacuum ("H20) / Pressure (psi)					
	VI-501	-	-	-52.0	-52.0
	VI-501A	-	-	-56.0	-56.0
	VI-502	-	-24	-	-
	VI-502A	-60.0	-60	-	-
	Chiller Pump Press.	-	-	-	-
	Chiller Freon High Press.	-	-	-	-
	Chiller Freon Low Press.	-	-	-	-
	DDC-05 (4" injection)		6.0	6.0	6.0
	DDC-10 (4" injection)		6.0	6.0	5.0
	DDC-09 (4" injection)		6.0	6.0	6.0
	DDC-08 (4" injection)		6.5	5.5	5.0
	DDC-07 (4" injection)		6.0	6.0	6.0
	DDC-06 (4" injection)		6.0	6.0	5.0
Air Flow (CFM)					
	DDC-05 (6" extraction)		87.0	80.0	64.0
	DDC-10 (6" extraction)		76.0	-	70.0
	DDC-09 (6" extraction)		96.0	-	88.0
	DDC-08 (6" extraction)		106.0	-	55.0
	DDC-07 (6" extraction)		80.0	-	90.0
	DDC-06 (6" extraction)		75.0	-	80.0
Temperature (°F)					
	TI-501	-	-	60.0	90.0
	TI-502	58.0	65.0	-	-
	Chiller Set Temp	-	-	-	-
	Chiller Actual Temp	-	-	-	-
	DDC-05 (4" injection)		100.0	62.0	112.0
	DDC-10 (4" injection)		100.0	61.0	110.0
	DDC-09 (4" injection)		100.0	62.0	110.0
	DDC-08 (4" injection)		100.0	60.0	110.0
	DDC-07 (4" injection)		100.0	62.0	111.0
	DDC-06 (4" injection)		100.0	62.0	112.0
	DDC-05 (6" extraction)		68.0	70.0	88.0
	DDC-10 (6" extraction)		70.0	72.0	90.0
	DDC-09 (6" extraction)		70.0	70.0	87.0
	DDC-08 (6" extraction)		70.0	71.0	86.0

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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Offsite DDC System Data Log

Date		3/24/2020	4/14/2020	5/7/2020	6/4/2020
Technician		JB	JB, MF	JB, MF	JB, MF
	DDC-07 (6" extraction)		70.0	70.0	87.0
	DDC-06 (6" extraction)		70.0	72.0	87.0
VOC's (ppb)					
	SP-501	-	-	0.0 ppb	0.0 ppm
	SP-502	0.1 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	-	-
	SP-403A (intermediate 1)	0.1 ppm	0.0 ppm	-	-
	SP-402A (intermediate 2)	0.0 ppm	0.0 ppm	-	-
	SP-502 (effluent)	0.0 ppm	0.0 ppm	-	-
	DDC-05	0.1 ppm	0.1 ppm	82 ppb	0.0 ppm
	DDC-10	0.2 ppm	0.0 ppm	49 ppb	0.0 ppm
	DDC-09	0.0 ppm	0.0 ppm	115 ppb	0.0 ppm
	DDC-08	0.3 ppm	0.0 ppm	99 ppb	0.0 ppm
	DDC-07	0.0 ppm	0.0 ppm	80 ppb	0.0 ppm
	DDC-06	0.2 ppm	0.0 ppm	89 ppb	0.0 ppm
Well Gauging DTW (ft BGS)					
	MW-1D	7.11	10.88	10.21	8.34
	MW-1S	6.98	10.62	10.10	8.39
	MW-2D	14.94	11.08	8.77	15.19
	MW-2S	15.10	11.10	8.60	15.21
	MW-3D	7.02	6.95	7.19	7.76
	MW-3S	7.40	6.97	7.05	7.81
	DDC-05 (PZ Shallow)		8.21	8.91	9.71
	DDC-05 (PZ Deep)		13.02	13.10	13.98
	DDC-10 (PZ Shallow)		9.11	9.91	10.48
	DDC-10 (PZ Deep)		10.80	12.17	14.38
	DDC-09 (PZ Shallow)		8.11	8.12	8.29
	DDC-09 (PZ Deep)		12.80	13.31	13.08
	DDC-08 (PZ Shallow)		6.99	7.01	8.40
	DDC-08 (PZ Deep)		10.71	11.23	10.29
	DDC-07 (PZ Shallow)		7.81	7.80	8.66
	DDC-07 (PZ Deep)		9.08	9.61	11.01
	DDC-06 (PZ Shallow)		7.30	7.42	8.01
	DDC-06 (PZ Deep)		7.57	7.65	8.50

Notes:

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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	3/24/2020	3/24/2020	3/24/2020	3/24/2020
Time Collected	12:40 PM	12:36 PM	12:41 PM	12:44 PM
1,1 Dichloroethane	<300	<82	<170	<25
1,1 Dichloroethene	<150	<40	<81	<12
1,1,1 Trichloroethane	<400	<110	<220	<34
1,1,2 Trichloroethane	<400	<110	<220	<34
1,1,2,2 Tetrachloroethane	<500	<140	<280	<42
1,2 Dibromoethane	<560	<160	<310	<47
1,2 Dichlorobenzene	<440	<120	<250	<37
1,2 Dichloroethane	<300	<82	<170	<25
1,2 Dichloropropane	<340	<94	<190	<29
1,2,4 Trichlorobenzene	<540	<150	<300	<46
1,2,4 Trimethylbenzene	<360	<100	<200	<30
1,3 Butadiene	<320	<90	<180	<27
1,3 Dichlorobenzene	<440	<120	<250	<37
1,3,5 Trimethylbenzene	<360	<100	<200	<30
1,4 Dichlorobenzene	<440	<120	<250	<37
1,4-Dioxane	<660	<180	<370	<56
2,2,4-Trimethylpentane	<850	<240	<480	<72
2-Hexanone	<750	<210	<420	<63
3-Chloropropene	<230	<63	<130	<19
4-Ethyltoluene	<720	<200	<400	<61
4-Methyl-2-Pentanone	<750	<210	<420	<63
Acetone	<4,300	<1,200	<2,400	<370
Benzene	<230	<65	<130	<20
Benzyl Chloride	<760	<210	<420	<64
Bromodichloromethane	<490	<140	<270	<41
Bromoform	<760	<210	<420	<64
Bromomethane	<280	<79	<160	<24
c 1,3 Dichloropropene	<330	<92	<190	<28
Carbon Disulfide	<570	<160	<320	<48
Carbon Tetrachloride	<180	<51	<100	<16
Chlorobenzene	<340	<93	<190	<28
Chloroethane	<190	<53	<110	<16
Chloroform	<360	<99	<200	<30
Chloromethane	<380	<100	<210	<32
cis-1,2-Dichloroethene	<150	<40	<81	<12
Cyclohexane	<630	<170	<350	<53
Dibromochloromethane	<620	<170	<350	<53
Dichlorodifluoromethane	<360	<100	<200	<31

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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	3/24/2020	3/24/2020	3/24/2020	3/24/2020
Time Collected	12:40 PM	12:36 PM	12:41 PM	12:44 PM
Ethanol	<3,400	<950	<1,900	**670**
Ethylbenzene	<320	<88	<180	<27
Freon 113	<560	<160	<310	<47
Freon 114	<510	<140	<290	<43
Heptane	<750	<210	<420	<63
Hexachlorobutadiene	<780	<220	<440	<66
Hexane	<640	<180	<360	<54
Isopropyl Alcohol	<1,800	<500	<1,000	<150
Isopropylbenzene	<720	<200	<400	<61
m + p Xylene	<320	<88	<180	<27
Methyl Ethyl Ketone	**5,300**	**1,500**	**1,300**	**4,900**
Methylene Chloride	<1,300	<350	<710	<110
n Propylbenzene	<720	<200	<400	<61
o-Xylene	<320	<88	<180	<27
Styrene	<310	<86	<170	<26
t 1,3 Dichloropropene	<330	<92	<190	<28
t butylmethylether	<530	<150	<290	<44
Tetrachloroethene	<500	<140	<280	<42
Tetrahydrofuran	**39,000**	**8,200**	**10,000**	**35,000**
Toluene	<410	<110	<230	<35
Total BTEX	<1,600	<439	<900	<136
trans-1,2-Dichloroethene	<290	<80	<160	<24
Trichloroethylene	<180	<49	<99	<15
Trichlorofluoromethane	<410	<110	<230	<35
Vinyl Chloride	<94	<26	<52	<7.90

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

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

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

Location	Date Collected	Time Collected	1,3 Dichlorobenzene	Carbon Tetrachloride	Chloroform	cis-1,2-Dichloroethene	Isopropylbenzene	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethylene	Vinyl Chloride	Total VOCs
152140-DDC-08-PD	3/18/2020	1:35 PM	<1	<1	<1	3.7	<1	0.51 J	<1	0.52 J	<1	4.73
152140-DDC-08-PS	3/18/2020	1:15 PM	0.35 J	<1	<1	4.2	<1	0.34 J	<1	0.35 J	<1	5.24
152140-DDC-09PD	3/19/2020	2:17 PM	<1	<1	<1	2	<1	<1	<1	<1	<1	2
152140-DDC-09PS	3/19/2020	2:41 PM	<1	<1	<1	2.7	<1	<1	<1	<1	<1	2.7
152140-DDC-10PD	3/19/2020	3:45 PM	<1	<1	<1	1	<1	<1	<1	<1	<1	1
152140-DDC-10PS	3/19/2020	3:20 PM	<1	<1	<1	2.3	<1	<1	<1	<1	<1	2.3
152140-DDC-2PD	3/19/2020	12:47 PM	<1	<1	<1	<1	<1	35	<1	<1	<1	35
152140-DDC-2PS	3/19/2020	1:13 PM	<1	<1	<1	3	<1	1.6	<1	<1	<1	4.6
152140-DDC-4-PD	3/18/2020	9:20 AM	<1	<1	<1	<1	<1	7.3	<1	<1	<1	7.3
152140-DDC-4-PS	3/18/2020	9:42 AM	<1	<1	0.57 J	0.58 J	<1	14	<1	<1	<1	15.15
152140-DDC-5-PD	3/18/2020	10:07 AM	0.35 J	<1	<1	4.4	<1	1.1	<1	<1	<1	5.85
152140-DDC-5-PS	3/18/2020	9:47 AM	0.35 J	<1	<1	4.5	<1	0.76 J	<1	<1	<1	5.61
152140-DDC-6-PD	3/18/2020	10:47 AM	<1	<1	<1	6.6	<1	1.2	<1	0.77 J	<1	8.57
152140-DDC-6-PS	3/18/2020	10:30 AM	<1	<1	<1	6.2	<1	0.50 J	<1	0.58 J	<1	7.28
152140-DDC-7-PD	3/18/2020	12:37 PM	<1	<1	<1	4.6	<1	3.4	<1	1.9	<1	9.9
152140-DDC-7-PS	3/18/2020	12:17 PM	<1	<1	<1	5.2	<1	0.69 J	<1	0.61 J	<1	6.5
152140-MW-2A	3/18/2020	12:12 PM	<1	<1	<1	1.2	<1	0.61 J	<1	<1	<1	1.81
152140-MW-2D	3/19/2020	11:59 AM	<1	<1	<1	<1	<1	43	<1	<1	<1	43
152140-MW-2S	3/19/2020	11:22 AM	<1	<1	<1	1.3	<1	2.5	<1	<1	<1	3.8
152140-MW-3D	3/18/2020	2:11 PM	<1	<1	<1	<1	<1	21	<1	<1	<1	21
152140-MW-3S	3/18/2020	2:29 PM	<1	<1	<1	<1	<1	1.1	<1	<1	<1	1.1
152140-MW-5D	3/18/2020	1:22 PM	<1	<1	<1	0.32 J	<1	6.3	<1	0.98 J	<1	7.6
152140-MW-5S	3/18/2020	1:01 PM	1.2	<1	<1	4.8	0.34 J	3.1	<1	0.78 J	0.58 J	10.8
152140-MW-6S	3/20/2020	12:02 PM	<1	<1	<1	<1	<1	0.51 J	<1	<1	<1	0.51
152140-MW-14D	3/20/2020	9:47 AM	<1	<1	<1	<1	<1	6.7	<1	<1	<1	6.7
152140-MW-14S	3/20/2020	10:22 AM	<1	0.38 J	0.63 J	0.36 J	<1	110	<1	0.54 J	<1	111.91
152140-MW-15D	3/18/2020	11:00 AM	<1	1.8	<1	0.72 J	<1	380	<1	1.5	<1	380
152140-MW-15S	3/18/2020	10:38 AM	<1	<1	<1	<1	<1	3.1	<1	0.42 J	<1	3.52
152140-MW-1D(offsite)	3/20/2020	2:17 PM	<1	<1	0.47 J	25	<1	43	<1	7.5	<1	75.97
152140-MW-1S (offsite)	3/20/2020	1:40 PM	<1	<1	<1	<1	<1	0.55 J	<1	<1	<1	0.55
152140-MW-2AD	3/18/2020	11:45 AM	<1	<1	<1	5.6	<1	18	<1	4.8	<1	28.4
152140-MW-3D(offsite)	3/18/2020	11:34 AM	0.35 J	<1	0.54 J	83	<1	30	0.82 J	30	<1	144.71
152140-MW-3S(offsite)	3/18/2020	11:15 AM	0.41 J	<1	<1	<1	<1	<1	<1	<1	<1	0.41

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

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

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

TestAmerica, Inc.
Methods: SW8260C
QAQC Sample Summary

	Trip Blank	Trip Blank	Relative Percent Difference Analysis		
	3/19/2020	3/20/2020	Parent Sample	Blind Duplicate	Percent
	12:00 AM	2:17 PM	152140-DDC-08-PS	152140-DDC-X	Difference
1,1 Dichloroethane	<1	<1	<1	<1	0.0%
1,1 Dichloroethene	<1	<1	<1	<1	0.0%
1,1,1 Trichloroethane	<1	<1	<1	<1	0.0%
1,1,2 Trichloroethane	<1	<1	<1	<1	0.0%
1,1,2,2 Tetrachloroethane	<1	<1	<1	<1	0.0%
1,2 Dibromoethane	<1	<1	<1	<1	0.0%
1,2 Dichlorobenzene	<1	<1	<1	<1	0.0%
1,2 Dichloroethane	<1	<1	<1	<1	0.0%
1,2 Dichloropropane	<1	<1	<1	<1	0.0%
1,2,4 Trichlorobenzene	<1	<1	<1	<1	0.0%
1,3 Dichlorobenzene	<1	<1	**0.35 J**	<1	**200%**
1,4 Dichlorobenzene	<1	<1	<1	<1	0.0%
2-Hexanone	<5	<5	<5	<5	0.0%
4-Methyl-2-Pentanone	<5	<5	<5	<5	0.0%
Acetone	<5	<5	<5	<5	0.0%
Benzene	<1	<1	<1	<1	0.0%
Bromodichloromethane	<1	<1	<1	<1	0.0%
Bromoform	<1	<1	<1	<1	0.0%
Bromomethane	<1	<1	<1	<1	0.0%
c 1,3 Dichloropropene	<1	<1	<1	<1	0.0%
Carbon Disulfide	<1	<1	<1	<1	0.0%
Carbon Tetrachloride	<1	<1	<1	<1	0.0%
Chlorobenzene	<1	<1	<1	<1	0.0%
Chloroethane	<1	<1	<1	<1	0.0%
Chloroform	<1	<1	<1	<1	0.0%
Chloromethane	<1	<1	<1	<1	0.0%
cis-1,2-Dichloroethene	<1	<1	**4.2**	**4.3**	**2.4%**
Cyclohexane	<1	<1	<1	<1	0.0%
Cyclohexane, methyl-	<1	<1	<1	<1	0.0%
Dibromochloromethane	<1	<1	<1	<1	0.0%
Dibromochloropropane	<1	<1	<1	<1	0.0%
Dichlorodifluoromethane	<1	<1	<1	<1	0.0%
Ethylbenzene	<1	<1	<1	<1	0.0%
Freon 113	<1	<1	<1	<1	0.0%
Isopropylbenzene	<1	<1	<1	<1	0.0%
m + p Xylene	<1	<1	<1	<1	0.0%

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

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

TestAmerica, Inc.
Methods: SW8260C
QAQC Sample Summary

	Trip Blank	Trip Blank	Relative Percent Difference Analysis		
	3/19/2020	3/20/2020	Parent Sample	Blind Duplicate	Percent
	12:00 AM	2:17 PM	152140-DDC-08-PS	152140-DDC-X	Difference
Methyl acetate	<5	<5	<5	<5	0.0%
Methyl Ethyl Ketone	<5	<5	<5	<5	0.0%
Methylene Chloride	<1	<1	<1	<1	0.0%
o-Xylene	<1	<1	<1	<1	0.0%
Styrene	<1	<1	<1	<1	0.0%
t 1,3 Dichloropropene	<1	<1	<1	<1	0.0%
t butylmethylether	<1	<1	<1	<1	0.0%
Tetrachloroethene	<1	<1	**0.34 J**	**0.29 J**	n/a
Toluene	<1	<1	<1	<1	0.0%
Total BTEX	<5	<5	<5	<5	0.0%
trans-1,2-Dichloroethene	<1	<1	<1	<1	0.0%
Trichloroethylene	<1	<1	**0.35 J**	**0.34 J**	n/a
Trichlorofluoromethane	<1	<1	<1	<1	0.0%
Vinyl Chloride	<1	<1	<1	<1	0.0%
Xylenes Total	<2	<2	<2	<2	0.0%

TABLE 7

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	3/18/2020	10.25
152140-DDC-08-PS	3/18/2020	8.66
152140-DDC-09PD	3/19/2020	14.35
152140-DDC-09PS	3/19/2020	8.55
152140-DDC-10PD	3/19/2020	12.65
152140-DDC-10PS	3/19/2020	9.65
152140-DDC-2PD	3/19/2020	12.73
152140-DDC-2PS	3/19/2020	12.59
152140-DDC-4-PD	3/18/2020	12.67
152140-DDC-4-PS	3/18/2020	-
152140-DDC-5-PD	3/18/2020	13.55
152140-DDC-5-PS	3/18/2020	9.11
152140-DDC-6-PD	3/18/2020	8.21
152140-DDC-6-PS	3/18/2020	8.01
152140-DDC-7-PD	3/18/2020	10.01
152140-DDC-7-PS	3/18/2020	8.21
152140-MW-2A	3/18/2020	15.29
152140-MW-2D	3/19/2020	14.92
152140-MW-2S	3/19/2020	15.13
152140-MW-3D	3/18/2020	15.60
152140-MW-3S	3/18/2020	15.61
152140-MW-5D	3/18/2020	13.29
152140-MW-5S	3/18/2020	14.07
152140-MW-6S	3/20/2020	14.77
152140-MW-14D	3/20/2020	14.31
152140-MW-14S	3/20/2020	14.29
152140-MW-15D	3/18/2020	14.82
152140-MW-15S	3/18/2020	14.84
152140-MW-1D(offsite)	3/20/2020	6.97
152140-MW-1S (offsite)	3/20/2020	6.95
152140-MW-2AD	3/18/2020	15.82
152140-MW-3D(offsite)	3/18/2020	7.62
152140-MW-3S(offsite)	3/18/2020	7.61

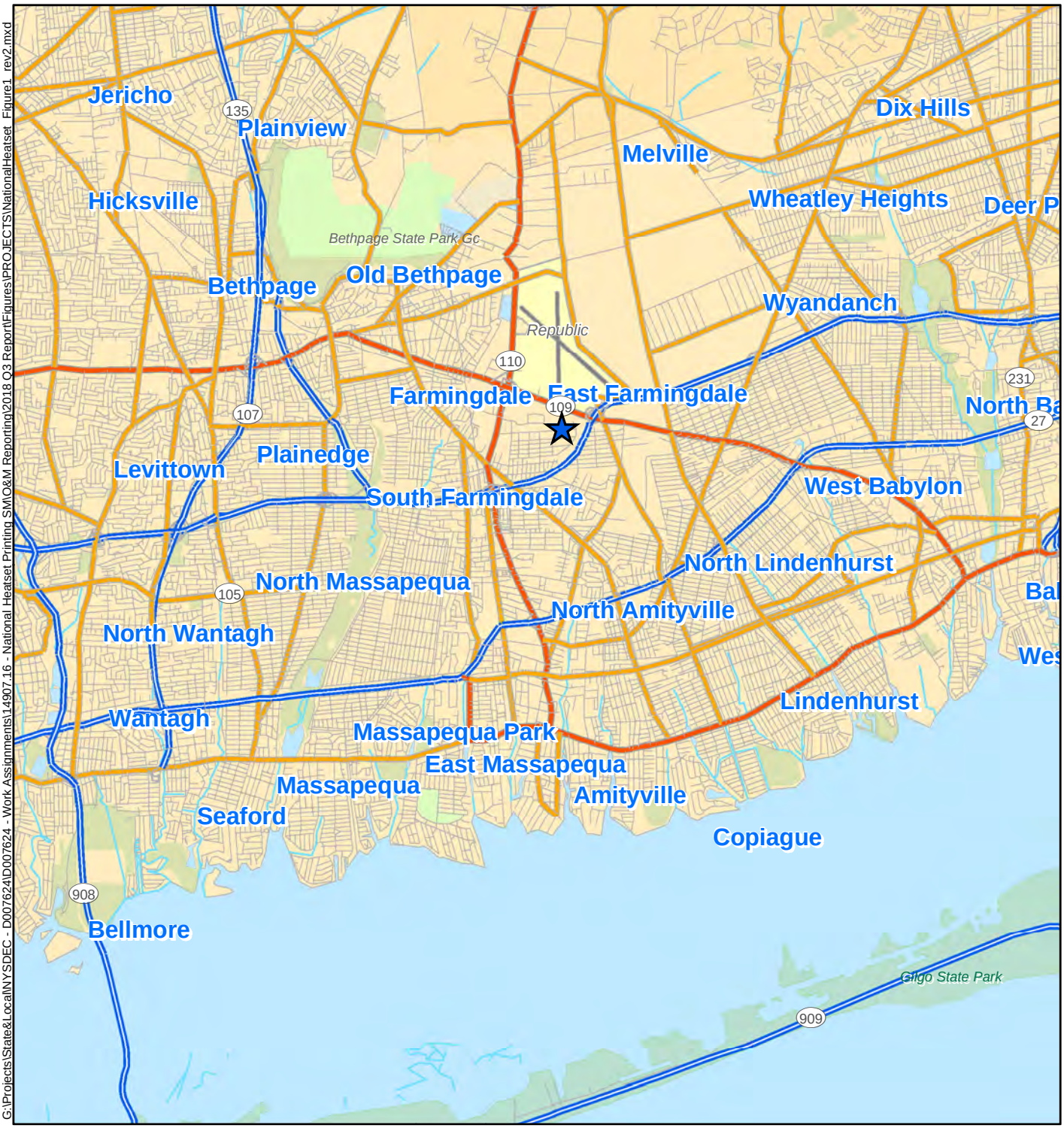
National Heatset Printers
1 Adams Blvd
East Farmingdale, NY
Spill # 152140

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-PS	3/18/2020	1:14 PM	**263**	**10.38**	**380.0**	**5.70**	**14.76**	**2.41**
DDC-09PD	3/19/2020	2:15 PM	**277**	**9.01**	**380.1**	**5.94**	**14.49**	**17.60**
DDC-09PS	3/19/2020	2:39 PM	**262**	**10.01**	**386.2**	**5.99**	**14.47**	**7.49**
DDC-10PD	3/19/2020	3:40 PM	**258**	**9.00**	**384.4**	**6.19**	**14.45**	**5.29**
DDC-10PS	3/19/2020	3:15 PM	**267**	**10.27**	**287.2**	**5.98**	**14.59**	**5.93**
DDC-2PD	3/19/2020	12:44 PM	**311**	**3.24**	**353.8**	**6.11**	**14.42**	**4.12**
DDC-2PS	3/19/2020	1:11 PM	**201**	**2.19**	**345.2**	**6.30**	**13.30**	**12.70**
DDC-4-PD	3/18/2020	9:15 AM	**185**	**4.98**	**229.5**	**6.30**	**15.08**	**3.02**
DDC-4-PS	3/18/2020	9:35 AM	**456**	**6.66**	**236.7**	**6.39**	**14.37**	n/a
DDC-5-PD	3/18/2020	10:04 AM	**267**	**9.51**	**369.6**	**6.85**	**14.45**	**1.90**
DDC-5-PS	3/18/2020	9:47 AM	**276**	**9.41**	**337.0**	**7.37**	**14.40**	**1.09**
DDC-6-PS	3/18/2020	10:28 AM	**187**	**8.95**	**382.3**	**6.49**	**14.34**	**2.94**
DDC-7-PD	3/18/2020	12:36 PM	**300**	**8.64**	**363.0**	**5.42**	**14.82**	**2.19**
DDC-7-PS	3/18/2020	12:16 PM	**366**	**10.28**	**359.0**	**5.98**	**14.72**	**1.81**
MW-2A	3/18/2020	12:10 PM	**142**	**1.06**	**114.8**	**6.59**	**13.27**	**13.40**
MW-2AD	3/18/2020	11:40 AM	**454**	**0.48**	**100.9**	**6.02**	**14.50**	**9.95**
MW-2D	3/19/2020	11:57 AM	**32**	**1.33**	**371.6**	**5.97**	**13.55**	**27.90**
MW-2S	3/19/2020	11:21 AM	**374**	**5.37**	**350.6**	**6.40**	**13.41**	**8.02**
MW-3D	3/18/2020	2:09 PM	**17**	**3.80**	**208.1**	**5.81**	**14.72**	**3.98**
MW-3S	3/18/2020	2:28 PM	**294**	**6.84**	**187.4**	**6.28**	**14.38**	**4.10**
MW-5D	3/18/2020	1:20 PM	**140**	**3.33**	**149.0**	**6.59**	**14.68**	**7.01**
MW-5S	3/18/2020	12:59 PM	**329**	**1.51**	**43.6**	**6.44**	**13.20**	**42.60**
MW-6S	3/20/2020	12:02 PM	**242**	**6.70**	**357.4**	**6.67**	**13.14**	**6.40**
MW-14D	3/20/2020	9:47 AM	**200**	**7.72**	**351.3**	**6.00**	**14.70**	**6.01**
MW-14S	3/20/2020	10:22 AM	**324**	**6.01**	**330.0**	**6.21**	**14.01**	**11.70**
MW-15D	3/18/2020	10:57 AM	**352**	**12.50**	**191.0**	**5.92**	**14.51**	**12.50**
MW-15S	3/18/2020	10:36 AM	**369**	**5.13**	**172.7**	**6.54**	**14.22**	**13.10**
MW-1D(offsite)	3/20/2020	2:17 PM	**136**	**0.98**	**224.0**	**5.81**	**14.20**	**5.55**
MW-1S(offsite)	3/20/2020	1:40 PM	**167**	**2.90**	**348.2**	**5.49**	**12.67**	**7.15**
MW-3D(offsite)	3/18/2020	11:33 AM	**159**	**5.28**	**290.0**	**5.61**	**14.69**	**2.70**
MW-3S(offsite)	3/18/2020	11:14 AM	**145**	**9.76**	**396.1**	**6.44**	**15.50**	**13.50**

Figures



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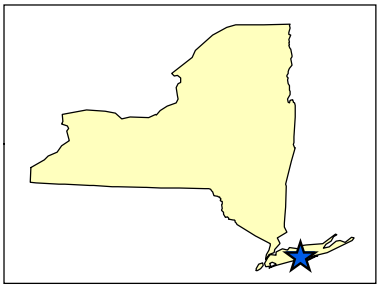

0 0.5 1 2
Miles

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

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ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Figure 2
Onsite Groundwater Quality
March 2020

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

ENVIRONMENTAL ASSESSMENT & REMEDIATIONS

Figure 3
Offsite Groundwater Quality
March 2020

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

Appendix A: Laboratory Analytical Reports

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Job Number: 140-18683-1

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.
Jamie A McKinney
Senior Project Manager
4/7/2020 3:10 PM

Jamie A McKinney, Senior Project Manager
5815 Middlebrook Pike, Knoxville, TN, 37921
(865)291-3000
jamie.mckinney@testamericainc.com
04/07/2020

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.

Table of Contents

Table of Contents

Definitions/Glossary

Client: New York State D.E.C. Job ID: 140-18683-1
Project/Site: National Heatset #152140

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
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
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)
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 Narrative
140-18683-1

Comments
No additional comments.

Receipt
The samples were received on 3/26/2020 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

Receipt Exceptions

The following sample was received with a pressure of - 26 or lower inches of mercury: OFFSITE DDC EFF (140-18683-3). Flow controllers are set to take approximately 4 to 5 liters of sample. This would result in an ending pressure of approximately - 5 inches of Hg. In order to proceed with analysis, the canister was pressurized due to insufficient sample. This pressurization (dilution) may result in higher reporting limits than desired. All flow controllers are cleaned and verified to be in good working condition prior to being sent to the field. The flow controller was also checked upon receipt and was confirmed to be working properly.

The client was contacted and the lab was instructed to proceed with analysis. Due to the uncertainty of the dilution factor resulting from the low pressure, the results are considered estimated.

Air - GC/MS VOA
Methods TO 14A, 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 Eurofins TestAmerica Knoxville.

Methods TO 14A, TO 15 LL, 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 140-38280/9)

Method TO 15 LL: The continuing calibration verification (CCV) associated with batch 140-38633 exhibited % difference of > 30% for the following analyte(s) 1,2,4-Trichlorobenzene and Hexachlorobutadiene; 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 140-38705 exhibited % difference of > 30% for the following analyte(s) Chloromethane; however, the results were within the LCS acceptance limits. The EPA method requires that all target analytes in the continuing calibration verification standard be within 30% difference from the initial calibration. According to the laboratory standard operating procedure, the continuing calibration is acceptable if it meets the laboratory control sample acceptance criteria.

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

Detection Summary

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

Job ID: 140-18683-1

Client Sample ID: SVE INF — Lab Sample ID: 140-18683-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	2200		380		ppb v/v	26.36		TO 15 LL	Total/NA
Tetrahydrofuran	22000	E	480		ppb v/v	26.36		TO 15 LL	Total/NA
Tetrahydrofuran - DL	28000		1600		ppb v/v	81.58		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	6400		1100		ug/m3	26.36		TO 15 LL	Total/NA
Tetrahydrofuran	64000	E	1400		ug/m3	26.36		TO 15 LL	Total/NA
Tetrahydrofuran - DL	81000		4800		ug/m3	81.58		TO 15 LL	Total/NA

Client Sample ID: SVE EFF — Lab Sample ID: 140-18683-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	4800		1200		ppb v/v	99.88		TO 15 LL	Total/NA
Tetrahydrofuran	45000		1500		ppb v/v	99.88		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	14000		3600		ug/m3	99.88		TO 15 LL	Total/NA
Tetrahydrofuran	130000		4500		ug/m3	99.88		TO 15 LL	Total/NA

Client Sample ID: OFFSITE DDC EFF — Lab Sample ID: 140-18683-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	2600	E	25		ppb v/v	15.42		TO 15 LL	Total/NA
Ethanol	350		150		ppb v/v	15.42		TO 15 LL	Total/NA
Tetrahydrofuran	13000	E	31		ppb v/v	15.42		TO 15 LL	Total/NA
2-Butanone - DL	1700		880		ppb v/v	55.27		TO 15 LL	Total/NA
Tetrahydrofuran - DL	12000		1100		ppb v/v	55.27		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	7600	E	73		ug/m3	15.42		TO 15 LL	Total/NA
Ethanol	670		290		ug/m3	15.42		TO 15 LL	Total/NA
Tetrahydrofuran	39000	E	91		ug/m3	15.42		TO 15 LL	Total/NA
2-Butanone - DL	4900		2600		ug/m3	55.27		TO 15 LL	Total/NA
Tetrahydrofuran - DL	35000		3300		ug/m3	55.27		TO 15 LL	Total/NA

Client Sample ID: OFFSITE DDC MID 2 — Lab Sample ID: 140-18683-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	430		160		ppb v/v	13.29		TO 15 LL	Total/NA
Tetrahydrofuran	3400		200		ppb v/v	13.29		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	1300		480		ug/m3	13.29		TO 15 LL	Total/NA
Tetrahydrofuran	10000		600		ug/m3	13.29		TO 15 LL	Total/NA

Client Sample ID: OFFSITE DDC INF — Lab Sample ID: 140-18683-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	1800		290		ppb v/v	36.6		TO 15 LL	Total/NA
Tetrahydrofuran	16000	E	370		ppb v/v	36.6		TO 15 LL	Total/NA
Tetrahydrofuran - DL	13000		730		ppb v/v	36.6		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	5300		860		ug/m3	36.6		TO 15 LL	Total/NA
Tetrahydrofuran	47000	E	1100		ug/m3	36.6		TO 15 LL	Total/NA
Tetrahydrofuran - DL	39000		2200		ug/m3	36.6		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 140-18683-1

Client Sample ID: OFFSITE DDC MID 1

Lab Sample ID: 140-18683-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	520		81		ppb v/v	5.57		TO 15 LL	Total/NA
Tetrahydrofuran	2800		100		ppb v/v	5.57		TO 15 LL	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	1500		240		ug/m3	5.57		TO 15 LL	Total/NA
Tetrahydrofuran	8200		300		ug/m3	5.57		TO 15 LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SVE INF
Lab Sample ID: 140-18683-1

Date Collected: 03/24/20 15:04
Matrix: Air
Date Received: 03/26/20 09:50
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		96		ppb v/v			03/27/20 11:52	26.36
1,1,2,2-Tetrachloroethane	ND		96		ppb v/v			03/27/20 11:52	26.36
1,1,2-Trichloroethane	ND		96		ppb v/v			03/27/20 11:52	26.36
1,1-Dichloroethane	ND		96		ppb v/v			03/27/20 11:52	26.36
1,1-Dichloroethene	ND		48		ppb v/v			03/27/20 11:52	26.36
1,2,4-Trichlorobenzene	ND		96		ppb v/v			03/27/20 11:52	26.36
1,2,4-Trimethylbenzene	ND		96		ppb v/v			03/27/20 11:52	26.36
1,2-Dibromoethane	ND		96		ppb v/v			03/27/20 11:52	26.36
1,2-Dichlorobenzene	ND		96		ppb v/v			03/27/20 11:52	26.36
1,2-Dichloroethane	ND		96		ppb v/v			03/27/20 11:52	26.36
1,2-Dichloropropane	ND		96		ppb v/v			03/27/20 11:52	26.36
1,3,5-Trimethylbenzene	ND		96		ppb v/v			03/27/20 11:52	26.36
1,3-Butadiene	ND		190		ppb v/v			03/27/20 11:52	26.36
1,3-Dichlorobenzene	ND		96		ppb v/v			03/27/20 11:52	26.36
1,4-Dichlorobenzene	ND		96		ppb v/v			03/27/20 11:52	26.36
1,4-Dioxane	ND		240		ppb v/v			03/27/20 11:52	26.36
2,2,4-Trimethylpentane	ND		240		ppb v/v			03/27/20 11:52	26.36
2-Butanone	**2200**		380		ppb v/v			03/27/20 11:52	26.36
2-Hexanone	ND		240		ppb v/v			03/27/20 11:52	26.36
2-Propanol	ND		960		ppb v/v			03/27/20 11:52	26.36
3-Chloropropene	ND		96		ppb v/v			03/27/20 11:52	26.36
4-Ethyltoluene	ND		190		ppb v/v			03/27/20 11:52	26.36
4-Methyl-2-pentanone (MIBK)	ND		240		ppb v/v			03/27/20 11:52	26.36
Acetone	ND		2400		ppb v/v			03/27/20 11:52	26.36
alpha-Chlorotoluene	ND		190		ppb v/v			03/27/20 11:52	26.36
Benzene	ND		96		ppb v/v			03/27/20 11:52	26.36
Bromodichloromethane	ND		96		ppb v/v			03/27/20 11:52	26.36
Bromoform	ND		96		ppb v/v			03/27/20 11:52	26.36
Bromomethane	ND		96		ppb v/v			03/27/20 11:52	26.36
Carbon disulfide	ND		240		ppb v/v			03/27/20 11:52	26.36
Carbon tetrachloride	ND		38		ppb v/v			03/27/20 11:52	26.36
Chlorobenzene	ND		96		ppb v/v			03/27/20 11:52	26.36
Chloroethane	ND		96		ppb v/v			03/27/20 11:52	26.36
Chloroform	ND		96		ppb v/v			03/27/20 11:52	26.36
Chloromethane	ND		240		ppb v/v			03/27/20 11:52	26.36
cis-1,2-Dichloroethene	ND		48		ppb v/v			03/27/20 11:52	26.36
cis-1,3-Dichloropropene	ND		96		ppb v/v			03/27/20 11:52	26.36
Cumene	ND		190		ppb v/v			03/27/20 11:52	26.36
Cyclohexane	ND		240		ppb v/v			03/27/20 11:52	26.36
Dibromochloromethane	ND		96		ppb v/v			03/27/20 11:52	26.36
Ethanol	ND		2400		ppb v/v			03/27/20 11:52	26.36
Ethylbenzene	ND		96		ppb v/v			03/27/20 11:52	26.36
Freon 11	ND		96		ppb v/v			03/27/20 11:52	26.36
Freon 113	ND		96		ppb v/v			03/27/20 11:52	26.36
Freon 12	ND		96		ppb v/v			03/27/20 11:52	26.36
Freon-114	ND		96		ppb v/v			03/27/20 11:52	26.36
Heptane	ND		240		ppb v/v			03/27/20 11:52	26.36
Hexachlorobutadiene	ND		96		ppb v/v			03/27/20 11:52	26.36

Client Sample ID: SVE INF
Lab Sample ID: 140-18683-1

Date Collected: 03/24/20 15:04
Matrix: Air
Date Received: 03/26/20 09:50
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	ND		240		ppb v/v			03/27/20 11:52	26.36
Methyl tert-butyl ether	ND		190		ppb v/v			03/27/20 11:52	26.36
Methylene Chloride	ND		480		ppb v/v			03/27/20 11:52	26.36
m-Xylene & p-Xylene	ND		96		ppb v/v			03/27/20 11:52	26.36
o-Xylene	ND		96		ppb v/v			03/27/20 11:52	26.36
Propylbenzene	ND		190		ppb v/v			03/27/20 11:52	26.36
Styrene	ND		96		ppb v/v			03/27/20 11:52	26.36
Tetrachloroethene	ND		96		ppb v/v			03/27/20 11:52	26.36
Tetrahydrofuran	**22000**	**E**	480		ppb v/v			03/27/20 11:52	26.36
Toluene	ND		140		ppb v/v			03/27/20 11:52	26.36
trans-1,2-Dichloroethene	ND		96		ppb v/v			03/27/20 11:52	26.36
trans-1,3-Dichloropropene	ND		96		ppb v/v			03/27/20 11:52	26.36
Trichloroethene	ND		43		ppb v/v			03/27/20 11:52	26.36
Vinyl chloride	ND		48		ppb v/v			03/27/20 11:52	26.36

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		520		ug/m3			03/27/20 11:52	26.36
1,1,2,2-Tetrachloroethane	ND		660		ug/m3			03/27/20 11:52	26.36
1,1,2-Trichloroethane	ND		520		ug/m3			03/27/20 11:52	26.36
1,1-Dichloroethane	ND		390		ug/m3			03/27/20 11:52	26.36
1,1-Dichloroethene	ND		190		ug/m3			03/27/20 11:52	26.36
1,2,4-Trichlorobenzene	ND		710		ug/m3			03/27/20 11:52	26.36
1,2,4-Trimethylbenzene	ND		470		ug/m3			03/27/20 11:52	26.36
1,2-Dibromoethane	ND		740		ug/m3			03/27/20 11:52	26.36
1,2-Dichlorobenzene	ND		580		ug/m3			03/27/20 11:52	26.36
1,2-Dichloroethane	ND		390		ug/m3			03/27/20 11:52	26.36
1,2-Dichloropropane	ND		440		ug/m3			03/27/20 11:52	26.36
1,3,5-Trimethylbenzene	ND		470		ug/m3			03/27/20 11:52	26.36
1,3-Butadiene	ND		420		ug/m3			03/27/20 11:52	26.36
1,3-Dichlorobenzene	ND		580		ug/m3			03/27/20 11:52	26.36
1,4-Dichlorobenzene	ND		580		ug/m3			03/27/20 11:52	26.36
1,4-Dioxane	ND		860		ug/m3			03/27/20 11:52	26.36
2,2,4-Trimethylpentane	ND		1100		ug/m3			03/27/20 11:52	26.36
2-Butanone	**6400**		1100		ug/m3			03/27/20 11:52	26.36
2-Hexanone	ND		980		ug/m3			03/27/20 11:52	26.36
2-Propanol	ND		2400		ug/m3			03/27/20 11:52	26.36
3-Chloropropene	ND		300		ug/m3			03/27/20 11:52	26.36
4-Ethyltoluene	ND		940		ug/m3			03/27/20 11:52	26.36
4-Methyl-2-pentanone (MIBK)	ND		980		ug/m3			03/27/20 11:52	26.36
Acetone	ND		5700		ug/m3			03/27/20 11:52	26.36
alpha-Chlorotoluene	ND		990		ug/m3			03/27/20 11:52	26.36
Benzene	ND		310		ug/m3			03/27/20 11:52	26.36
Bromodichloromethane	ND		640		ug/m3			03/27/20 11:52	26.36
Bromoform	ND		990		ug/m3			03/27/20 11:52	26.36
Bromomethane	ND		370		ug/m3			03/27/20 11:52	26.36
Carbon disulfide	ND		750		ug/m3			03/27/20 11:52	26.36
Carbon tetrachloride	ND		240		ug/m3			03/27/20 11:52	26.36
Chlorobenzene	ND		440		ug/m3			03/27/20 11:52	26.36
Chloroethane	ND		250		ug/m3			03/27/20 11:52	26.36

Client Sample ID: SVE INF
Lab Sample ID: 140-18683-1

Date Collected: 03/24/20 15:04
Matrix: Air
Date Received: 03/26/20 09:50
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		470		ug/m3			03/27/20 11:52	26.36
Chloromethane	ND		490		ug/m3			03/27/20 11:52	26.36
cis-1,2-Dichloroethene	ND		190		ug/m3			03/27/20 11:52	26.36
cis-1,3-Dichloropropene	ND		440		ug/m3			03/27/20 11:52	26.36
Cumene	ND		940		ug/m3			03/27/20 11:52	26.36
Cyclohexane	ND		820		ug/m3			03/27/20 11:52	26.36
Dibromochloromethane	ND		820		ug/m3			03/27/20 11:52	26.36
Ethanol	ND		4500		ug/m3			03/27/20 11:52	26.36
Ethylbenzene	ND		420		ug/m3			03/27/20 11:52	26.36
Freon 11	ND		540		ug/m3			03/27/20 11:52	26.36
Freon 113	ND		730		ug/m3			03/27/20 11:52	26.36
Freon 12	ND		470		ug/m3			03/27/20 11:52	26.36
Freon-114	ND		670		ug/m3			03/27/20 11:52	26.36
Heptane	ND		980		ug/m3			03/27/20 11:52	26.36
Hexachlorobutadiene	ND		1000		ug/m3			03/27/20 11:52	26.36
Hexane	ND		840		ug/m3			03/27/20 11:52	26.36
Methyl tert-butyl ether	ND		690		ug/m3			03/27/20 11:52	26.36
Methylene Chloride	ND		1700		ug/m3			03/27/20 11:52	26.36
m-Xylene & p-Xylene	ND		420		ug/m3			03/27/20 11:52	26.36
o-Xylene	ND		420		ug/m3			03/27/20 11:52	26.36
Propylbenzene	ND		940		ug/m3			03/27/20 11:52	26.36
Styrene	ND		410		ug/m3			03/27/20 11:52	26.36
Tetrachloroethene	ND		650		ug/m3			03/27/20 11:52	26.36
Tetrahydrofuran	**64000**	**E**	1400		ug/m3			03/27/20 11:52	26.36
Toluene	ND		540		ug/m3			03/27/20 11:52	26.36
trans-1,2-Dichloroethene	ND		380		ug/m3			03/27/20 11:52	26.36
trans-1,3-Dichloropropene	ND		440		ug/m3			03/27/20 11:52	26.36
Trichloroethene	ND		230		ug/m3			03/27/20 11:52	26.36
Vinyl chloride	ND		120		ug/m3			03/27/20 11:52	26.36

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 140*		*03/27/20 11:52*	*26.36*

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
Tetrahydrofuran	**28000**		1600		ppb v/v			03/30/20 15:59	81.58

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	**81000**		4800		ug/m3			03/30/20 15:59	81.58

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 140*		*03/30/20 15:59*	*81.58*

Client Sample ID: SVE EFF
Lab Sample ID: 140-18683-2

Date Collected: 03/24/20 13:08
Matrix: Air
Date Received: 03/26/20 09:50
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		310		ppb v/v			03/27/20 14:44	99.88
1,1,2,2-Tetrachloroethane	ND		310		ppb v/v			03/27/20 14:44	99.88
1,1,2-Trichloroethane	ND		310		ppb v/v			03/27/20 14:44	99.88
1,1-Dichloroethane	ND		310		ppb v/v			03/27/20 14:44	99.88
1,1-Dichloroethene	ND		150		ppb v/v			03/27/20 14:44	99.88
1,2,4-Trichlorobenzene	ND		310		ppb v/v			03/27/20 14:44	99.88
1,2,4-Trimethylbenzene	ND		310		ppb v/v			03/27/20 14:44	99.88
1,2-Dibromoethane	ND		310		ppb v/v			03/27/20 14:44	99.88
1,2-Dichlorobenzene	ND		310		ppb v/v			03/27/20 14:44	99.88
1,2-Dichloroethane	ND		310		ppb v/v			03/27/20 14:44	99.88
1,2-Dichloropropane	ND		310		ppb v/v			03/27/20 14:44	99.88
1,3,5-Trimethylbenzene	ND		310		ppb v/v			03/27/20 14:44	99.88
1,3-Butadiene	ND		610		ppb v/v			03/27/20 14:44	99.88
1,3-Dichlorobenzene	ND		310		ppb v/v			03/27/20 14:44	99.88
1,4-Dichlorobenzene	ND		310		ppb v/v			03/27/20 14:44	99.88
1,4-Dioxane	ND		770		ppb v/v			03/27/20 14:44	99.88
2,2,4-Trimethylpentane	ND		770		ppb v/v			03/27/20 14:44	99.88
2-Butanone	**4800**		1200		ppb v/v			03/27/20 14:44	99.88
2-Hexanone	ND		770		ppb v/v			03/27/20 14:44	99.88
2-Propanol	ND		3100		ppb v/v			03/27/20 14:44	99.88
3-Chloropropene	ND		310		ppb v/v			03/27/20 14:44	99.88
4-Ethyltoluene	ND		610		ppb v/v			03/27/20 14:44	99.88
4-Methyl-2-pentanone (MIBK)	ND		770		ppb v/v			03/27/20 14:44	99.88
Acetone	ND		7700		ppb v/v			03/27/20 14:44	99.88
alpha-Chlorotoluene	ND		610		ppb v/v			03/27/20 14:44	99.88
Benzene	ND		310		ppb v/v			03/27/20 14:44	99.88
Bromodichloromethane	ND		310		ppb v/v			03/27/20 14:44	99.88
Bromoform	ND		310		ppb v/v			03/27/20 14:44	99.88
Bromomethane	ND		310		ppb v/v			03/27/20 14:44	99.88
Carbon disulfide	ND		770		ppb v/v			03/27/20 14:44	99.88
Carbon tetrachloride	ND		120		ppb v/v			03/27/20 14:44	99.88
Chlorobenzene	ND		310		ppb v/v			03/27/20 14:44	99.88
Chloroethane	ND		310		ppb v/v			03/27/20 14:44	99.88
Chloroform	ND		310		ppb v/v			03/27/20 14:44	99.88
Chloromethane	ND		770		ppb v/v			03/27/20 14:44	99.88
cis-1,2-Dichloroethene	ND		150		ppb v/v			03/27/20 14:44	99.88
cis-1,3-Dichloropropene	ND		310		ppb v/v			03/27/20 14:44	99.88
Cumene	ND		610		ppb v/v			03/27/20 14:44	99.88
Cyclohexane	ND		770		ppb v/v			03/27/20 14:44	99.88
Dibromochloromethane	ND		310		ppb v/v			03/27/20 14:44	99.88
Ethanol	ND		7700		ppb v/v			03/27/20 14:44	99.88
Ethylbenzene	ND		310		ppb v/v			03/27/20 14:44	99.88
Freon 11	ND		310		ppb v/v			03/27/20 14:44	99.88
Freon 113	ND		310		ppb v/v			03/27/20 14:44	99.88
Freon 12	ND		310		ppb v/v			03/27/20 14:44	99.88
Freon-114	ND		310		ppb v/v			03/27/20 14:44	99.88
Heptane	ND		770		ppb v/v			03/27/20 14:44	99.88
Hexachlorobutadiene	ND		310		ppb v/v			03/27/20 14:44	99.88

Client Sample ID: SVE EFF
Lab Sample ID: 140-18683-2

Date Collected: 03/24/20 13:08
Matrix: Air
Date Received: 03/26/20 09:50
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexane	ND		770		ppb v/v			03/27/20 14:44	99.88
Methyl tert-butyl ether	ND		610		ppb v/v			03/27/20 14:44	99.88
Methylene Chloride	ND		1500		ppb v/v			03/27/20 14:44	99.88
m-Xylene & p-Xylene	ND		310		ppb v/v			03/27/20 14:44	99.88
o-Xylene	ND		310		ppb v/v			03/27/20 14:44	99.88
Propylbenzene	ND		610		ppb v/v			03/27/20 14:44	99.88
Styrene	ND		310		ppb v/v			03/27/20 14:44	99.88
Tetrachloroethene	ND		310		ppb v/v			03/27/20 14:44	99.88
Tetrahydrofuran	**45000**		1500		ppb v/v			03/27/20 14:44	99.88
Toluene	ND		460		ppb v/v			03/27/20 14:44	99.88
trans-1,2-Dichloroethene	ND		310		ppb v/v			03/27/20 14:44	99.88
trans-1,3-Dichloropropene	ND		310		ppb v/v			03/27/20 14:44	99.88
Trichloroethene	ND		140		ppb v/v			03/27/20 14:44	99.88
Vinyl chloride	ND		150		ppb v/v			03/27/20 14:44	99.88

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1700		ug/m3			03/27/20 14:44	99.88
1,1,2,2-Tetrachloroethane	ND		2100		ug/m3			03/27/20 14:44	99.88
1,1,2-Trichloroethane	ND		1700		ug/m3			03/27/20 14:44	99.88
1,1-Dichloroethane	ND		1200		ug/m3			03/27/20 14:44	99.88
1,1-Dichloroethene	ND		610		ug/m3			03/27/20 14:44	99.88
1,2,4-Trichlorobenzene	ND		2300		ug/m3			03/27/20 14:44	99.88
1,2,4-Trimethylbenzene	ND		1500		ug/m3			03/27/20 14:44	99.88
1,2-Dibromoethane	ND		2400		ug/m3			03/27/20 14:44	99.88
1,2-Dichlorobenzene	ND		1800		ug/m3			03/27/20 14:44	99.88
1,2-Dichloroethane	ND		1200		ug/m3			03/27/20 14:44	99.88
1,2-Dichloropropane	ND		1400		ug/m3			03/27/20 14:44	99.88
1,3,5-Trimethylbenzene	ND		1500		ug/m3			03/27/20 14:44	99.88
1,3-Butadiene	ND		1400		ug/m3			03/27/20 14:44	99.88
1,3-Dichlorobenzene	ND		1800		ug/m3			03/27/20 14:44	99.88
1,4-Dichlorobenzene	ND		1800		ug/m3			03/27/20 14:44	99.88
1,4-Dioxane	ND		2800		ug/m3			03/27/20 14:44	99.88
2,2,4-Trimethylpentane	ND		3600		ug/m3			03/27/20 14:44	99.88
2-Butanone	**14000**		3600		ug/m3			03/27/20 14:44	99.88
2-Hexanone	ND		3100		ug/m3			03/27/20 14:44	99.88
2-Propanol	ND		7600		ug/m3			03/27/20 14:44	99.88
3-Chloropropene	ND		960		ug/m3			03/27/20 14:44	99.88
4-Ethyltoluene	ND		3000		ug/m3			03/27/20 14:44	99.88
4-Methyl-2-pentanone (MIBK)	ND		3100		ug/m3			03/27/20 14:44	99.88
Acetone	ND		18000		ug/m3			03/27/20 14:44	99.88
alpha-Chlorotoluene	ND		3200		ug/m3			03/27/20 14:44	99.88
Benzene	ND		980		ug/m3			03/27/20 14:44	99.88
Bromodichloromethane	ND		2100		ug/m3			03/27/20 14:44	99.88
Bromoform	ND		3200		ug/m3			03/27/20 14:44	99.88
Bromomethane	ND		1200		ug/m3			03/27/20 14:44	99.88
Carbon disulfide	ND		2400		ug/m3			03/27/20 14:44	99.88
Carbon tetrachloride	ND		770		ug/m3			03/27/20 14:44	99.88
Chlorobenzene	ND		1400		ug/m3			03/27/20 14:44	99.88
Chloroethane	ND		810		ug/m3			03/27/20 14:44	99.88

Client Sample ID: SVE EFF
Lab Sample ID: 140-18683-2

Date Collected: 03/24/20 13:08
Matrix: Air
Date Received: 03/26/20 09:50
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		1500		ug/m3			03/27/20 14:44	99.88
Chloromethane	ND		1600		ug/m3			03/27/20 14:44	99.88
cis-1,2-Dichloroethene	ND		610		ug/m3			03/27/20 14:44	99.88
cis-1,3-Dichloropropene	ND		1400		ug/m3			03/27/20 14:44	99.88
Cumene	ND		3000		ug/m3			03/27/20 14:44	99.88
Cyclohexane	ND		2600		ug/m3			03/27/20 14:44	99.88
Dibromochloromethane	ND		2600		ug/m3			03/27/20 14:44	99.88
Ethanol	ND		14000		ug/m3			03/27/20 14:44	99.88
Ethylbenzene	ND		1300		ug/m3			03/27/20 14:44	99.88
Freon 11	ND		1700		ug/m3			03/27/20 14:44	99.88
Freon 113	ND		2400		ug/m3			03/27/20 14:44	99.88
Freon 12	ND		1500		ug/m3			03/27/20 14:44	99.88
Freon-114	ND		2100		ug/m3			03/27/20 14:44	99.88
Heptane	ND		3100		ug/m3			03/27/20 14:44	99.88
Hexachlorobutadiene	ND		3300		ug/m3			03/27/20 14:44	99.88
Hexane	ND		2700		ug/m3			03/27/20 14:44	99.88
Methyl tert-butyl ether	ND		2200		ug/m3			03/27/20 14:44	99.88
Methylene Chloride	ND		5300		ug/m3			03/27/20 14:44	99.88
m-Xylene & p-Xylene	ND		1300		ug/m3			03/27/20 14:44	99.88
o-Xylene	ND		1300		ug/m3			03/27/20 14:44	99.88
Propylbenzene	ND		3000		ug/m3			03/27/20 14:44	99.88
Styrene	ND		1300		ug/m3			03/27/20 14:44	99.88
Tetrachloroethene	ND		2100		ug/m3			03/27/20 14:44	99.88
Tetrahydrofuran	**130000**		4500		ug/m3			03/27/20 14:44	99.88
Toluene	ND		1700		ug/m3			03/27/20 14:44	99.88
trans-1,2-Dichloroethene	ND		1200		ug/m3			03/27/20 14:44	99.88
trans-1,3-Dichloropropene	ND		1400		ug/m3			03/27/20 14:44	99.88
Trichloroethene	ND		740		ug/m3			03/27/20 14:44	99.88
Vinyl chloride	ND		390		ug/m3			03/27/20 14:44	99.88

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 140*		*03/27/20 14:44*	*99.88*

Client Sample ID: OFFSITE DDC EFF
Lab Sample ID: 140-18683-3

Date Collected: 03/24/20 12:44
Matrix: Air
Date Received: 03/26/20 09:50
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		6.2		ppb v/v			03/27/20 15:28	15.42
1,1,2,2-Tetrachloroethane	ND		6.2		ppb v/v			03/27/20 15:28	15.42
1,1,2-Trichloroethane	ND		6.2		ppb v/v			03/27/20 15:28	15.42
1,1-Dichloroethane	ND		6.2		ppb v/v			03/27/20 15:28	15.42
1,1-Dichloroethene	ND		3.1		ppb v/v			03/27/20 15:28	15.42
1,2,4-Trichlorobenzene	ND		6.2		ppb v/v			03/27/20 15:28	15.42
1,2,4-Trimethylbenzene	ND		6.2		ppb v/v			03/27/20 15:28	15.42
1,2-Dibromoethane	ND		6.2		ppb v/v			03/27/20 15:28	15.42
1,2-Dichlorobenzene	ND		6.2		ppb v/v			03/27/20 15:28	15.42

Client Sample ID: OFFSITE DDC EFF
Lab Sample ID: 140-18683-3

Date Collected: 03/24/20 12:44
Matrix: Air
Date Received: 03/26/20 09:50
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		6.2		ppb v/v			03/27/20 15:28	15.42
1,2-Dichloropropane	ND		6.2		ppb v/v			03/27/20 15:28	15.42
1,3,5-Trimethylbenzene	ND		6.2		ppb v/v			03/27/20 15:28	15.42
1,3-Butadiene	ND		12		ppb v/v			03/27/20 15:28	15.42
1,3-Dichlorobenzene	ND		6.2		ppb v/v			03/27/20 15:28	15.42
1,4-Dichlorobenzene	ND		6.2		ppb v/v			03/27/20 15:28	15.42
1,4-Dioxane	ND		15		ppb v/v			03/27/20 15:28	15.42
2,2,4-Trimethylpentane	ND		15		ppb v/v			03/27/20 15:28	15.42
2-Butanone	**2600**	**E**	25		ppb v/v			03/27/20 15:28	15.42
2-Hexanone	ND		15		ppb v/v			03/27/20 15:28	15.42
2-Propanol	ND		62		ppb v/v			03/27/20 15:28	15.42
3-Chloropropene	ND		6.2		ppb v/v			03/27/20 15:28	15.42
4-Ethyltoluene	ND		12		ppb v/v			03/27/20 15:28	15.42
4-Methyl-2-pentanone (MIBK)	ND		15		ppb v/v			03/27/20 15:28	15.42
Acetone	ND		150		ppb v/v			03/27/20 15:28	15.42
alpha-Chlorotoluene	ND		12		ppb v/v			03/27/20 15:28	15.42
Benzene	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Bromodichloromethane	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Bromoform	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Bromomethane	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Carbon disulfide	ND		15		ppb v/v			03/27/20 15:28	15.42
Carbon tetrachloride	ND		2.5		ppb v/v			03/27/20 15:28	15.42
Chlorobenzene	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Chloroethane	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Chloroform	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Chloromethane	ND		15		ppb v/v			03/27/20 15:28	15.42
cis-1,2-Dichloroethene	ND		3.1		ppb v/v			03/27/20 15:28	15.42
cis-1,3-Dichloropropene	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Cumene	ND		12		ppb v/v			03/27/20 15:28	15.42
Cyclohexane	ND		15		ppb v/v			03/27/20 15:28	15.42
Dibromochloromethane	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Ethanol	**350**		150		ppb v/v			03/27/20 15:28	15.42
Ethylbenzene	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Freon 11	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Freon 113	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Freon 12	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Freon-114	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Heptane	ND		15		ppb v/v			03/27/20 15:28	15.42
Hexachlorobutadiene	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Hexane	ND		15		ppb v/v			03/27/20 15:28	15.42
Methyl tert-butyl ether	ND		12		ppb v/v			03/27/20 15:28	15.42
Methylene Chloride	ND		31		ppb v/v			03/27/20 15:28	15.42
m-Xylene & p-Xylene	ND		6.2		ppb v/v			03/27/20 15:28	15.42
o-Xylene	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Propylbenzene	ND		12		ppb v/v			03/27/20 15:28	15.42
Styrene	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Tetrachloroethene	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Tetrahydrofuran	**13000**	**E**	31		ppb v/v			03/27/20 15:28	15.42

Client Sample ID: OFFSITE DDC EFF
Lab Sample ID: 140-18683-3

Date Collected: 03/24/20 12:44
Matrix: Air
Date Received: 03/26/20 09:50
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
Toluene	ND		9.3		ppb v/v			03/27/20 15:28	15.42
trans-1,2-Dichloroethene	ND		6.2		ppb v/v			03/27/20 15:28	15.42
trans-1,3-Dichloropropene	ND		6.2		ppb v/v			03/27/20 15:28	15.42
Trichloroethene	ND		2.8		ppb v/v			03/27/20 15:28	15.42
Vinyl chloride	ND		3.1		ppb v/v			03/27/20 15:28	15.42

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		34		ug/m3			03/27/20 15:28	15.42
1,1,2,2-Tetrachloroethane	ND		42		ug/m3			03/27/20 15:28	15.42
1,1,2-Trichloroethane	ND		34		ug/m3			03/27/20 15:28	15.42
1,1-Dichloroethane	ND		25		ug/m3			03/27/20 15:28	15.42
1,1-Dichloroethene	ND		12		ug/m3			03/27/20 15:28	15.42
1,2,4-Trichlorobenzene	ND		46		ug/m3			03/27/20 15:28	15.42
1,2,4-Trimethylbenzene	ND		30		ug/m3			03/27/20 15:28	15.42
1,2-Dibromoethane	ND		47		ug/m3			03/27/20 15:28	15.42
1,2-Dichlorobenzene	ND		37		ug/m3			03/27/20 15:28	15.42
1,2-Dichloroethane	ND		25		ug/m3			03/27/20 15:28	15.42
1,2-Dichloropropane	ND		29		ug/m3			03/27/20 15:28	15.42
1,3,5-Trimethylbenzene	ND		30		ug/m3			03/27/20 15:28	15.42
1,3-Butadiene	ND		27		ug/m3			03/27/20 15:28	15.42
1,3-Dichlorobenzene	ND		37		ug/m3			03/27/20 15:28	15.42
1,4-Dichlorobenzene	ND		37		ug/m3			03/27/20 15:28	15.42
1,4-Dioxane	ND		56		ug/m3			03/27/20 15:28	15.42
2,2,4-Trimethylpentane	ND		72		ug/m3			03/27/20 15:28	15.42
2-Butanone	**7600**	**E**	73		ug/m3			03/27/20 15:28	15.42
2-Hexanone	ND		63		ug/m3			03/27/20 15:28	15.42
2-Propanol	ND		150		ug/m3			03/27/20 15:28	15.42
3-Chloropropene	ND		19		ug/m3			03/27/20 15:28	15.42
4-Ethyltoluene	ND		61		ug/m3			03/27/20 15:28	15.42
4-Methyl-2-pentanone (MIBK)	ND		63		ug/m3			03/27/20 15:28	15.42
Acetone	ND		370		ug/m3			03/27/20 15:28	15.42
alpha-Chlorotoluene	ND		64		ug/m3			03/27/20 15:28	15.42
Benzene	ND		20		ug/m3			03/27/20 15:28	15.42
Bromodichloromethane	ND		41		ug/m3			03/27/20 15:28	15.42
Bromoform	ND		64		ug/m3			03/27/20 15:28	15.42
Bromomethane	ND		24		ug/m3			03/27/20 15:28	15.42
Carbon disulfide	ND		48		ug/m3			03/27/20 15:28	15.42
Carbon tetrachloride	ND		16		ug/m3			03/27/20 15:28	15.42
Chlorobenzene	ND		28		ug/m3			03/27/20 15:28	15.42
Chloroethane	ND		16		ug/m3			03/27/20 15:28	15.42
Chloroform	ND		30		ug/m3			03/27/20 15:28	15.42
Chloromethane	ND		32		ug/m3			03/27/20 15:28	15.42
cis-1,2-Dichloroethene	ND		12		ug/m3			03/27/20 15:28	15.42
cis-1,3-Dichloropropene	ND		28		ug/m3			03/27/20 15:28	15.42
Cumene	ND		61		ug/m3			03/27/20 15:28	15.42
Cyclohexane	ND		53		ug/m3			03/27/20 15:28	15.42
Dibromochloromethane	ND		53		ug/m3			03/27/20 15:28	15.42
Ethanol	**670**		290		ug/m3			03/27/20 15:28	15.42
Ethylbenzene	ND		27		ug/m3			03/27/20 15:28	15.42

Client Sample ID: OFFSITE DDC EFF
Lab Sample ID: 140-18683-3

Date Collected: 03/24/20 12:44
Matrix: Air
Date Received: 03/26/20 09:50
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
Freon 11	ND		35		ug/m3			03/27/20 15:28	15.42
Freon 113	ND		47		ug/m3			03/27/20 15:28	15.42
Freon 12	ND		31		ug/m3			03/27/20 15:28	15.42
Freon-114	ND		43		ug/m3			03/27/20 15:28	15.42
Heptane	ND		63		ug/m3			03/27/20 15:28	15.42
Hexachlorobutadiene	ND		66		ug/m3			03/27/20 15:28	15.42
Hexane	ND		54		ug/m3			03/27/20 15:28	15.42
Methyl tert-butyl ether	ND		44		ug/m3			03/27/20 15:28	15.42
Methylene Chloride	ND		110		ug/m3			03/27/20 15:28	15.42
m-Xylene & p-Xylene	ND		27		ug/m3			03/27/20 15:28	15.42
o-Xylene	ND		27		ug/m3			03/27/20 15:28	15.42
Propylbenzene	ND		61		ug/m3			03/27/20 15:28	15.42
Styrene	ND		26		ug/m3			03/27/20 15:28	15.42
Tetrachloroethene	ND		42		ug/m3			03/27/20 15:28	15.42
Tetrahydrofuran	**39000**	**E**	91		ug/m3			03/27/20 15:28	15.42
Toluene	ND		35		ug/m3			03/27/20 15:28	15.42
trans-1,2-Dichloroethene	ND		24		ug/m3			03/27/20 15:28	15.42
trans-1,3-Dichloropropene	ND		28		ug/m3			03/27/20 15:28	15.42
Trichloroethene	ND		15		ug/m3			03/27/20 15:28	15.42
Vinyl chloride	ND		7.9		ug/m3			03/27/20 15:28	15.42

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*60 - 140*		*03/27/20 15:28*	*15.42*

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-Butanone	**1700**		880		ppb v/v			03/30/20 17:41	55.27
Tetrahydrofuran	**12000**		1100		ppb v/v			03/30/20 17:41	55.27

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	**4900**		2600		ug/m3			03/30/20 17:41	55.27
Tetrahydrofuran	**35000**		3300		ug/m3			03/30/20 17:41	55.27

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*60 - 140*		*03/30/20 17:41*	*55.27*

Client Sample ID: OFFSITE DDC MID 2
Lab Sample ID: 140-18683-4

Date Collected: 03/24/20 12:41
Matrix: Air
Date Received: 03/26/20 09:50
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		41		ppb v/v			03/27/20 16:11	13.29
1,1,2,2-Tetrachloroethane	ND		41		ppb v/v			03/27/20 16:11	13.29
1,1,2-Trichloroethane	ND		41		ppb v/v			03/27/20 16:11	13.29
1,1-Dichloroethane	ND		41		ppb v/v			03/27/20 16:11	13.29
1,1-Dichloroethene	ND		20		ppb v/v			03/27/20 16:11	13.29
1,2,4-Trichlorobenzene	ND		41		ppb v/v			03/27/20 16:11	13.29
1,2,4-Trimethylbenzene	ND		41		ppb v/v			03/27/20 16:11	13.29

Client Sample ID: OFFSITE DDC MID 2
Lab Sample ID: 140-18683-4

Date Collected: 03/24/20 12:41
Matrix: Air
Date Received: 03/26/20 09:50
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		41		ppb v/v			03/27/20 16:11	13.29
1,2-Dichlorobenzene	ND		41		ppb v/v			03/27/20 16:11	13.29
1,2-Dichloroethane	ND		41		ppb v/v			03/27/20 16:11	13.29
1,2-Dichloropropane	ND		41		ppb v/v			03/27/20 16:11	13.29
1,3,5-Trimethylbenzene	ND		41		ppb v/v			03/27/20 16:11	13.29
1,3-Butadiene	ND		82		ppb v/v			03/27/20 16:11	13.29
1,3-Dichlorobenzene	ND		41		ppb v/v			03/27/20 16:11	13.29
1,4-Dichlorobenzene	ND		41		ppb v/v			03/27/20 16:11	13.29
1,4-Dioxane	ND		100		ppb v/v			03/27/20 16:11	13.29
2,2,4-Trimethylpentane	ND		100		ppb v/v			03/27/20 16:11	13.29
2-Butanone	**430**		160		ppb v/v			03/27/20 16:11	13.29
2-Hexanone	ND		100		ppb v/v			03/27/20 16:11	13.29
2-Propanol	ND		410		ppb v/v			03/27/20 16:11	13.29
3-Chloropropene	ND		41		ppb v/v			03/27/20 16:11	13.29
4-Ethyltoluene	ND		82		ppb v/v			03/27/20 16:11	13.29
4-Methyl-2-pentanone (MIBK)	ND		100		ppb v/v			03/27/20 16:11	13.29
Acetone	ND		1000		ppb v/v			03/27/20 16:11	13.29
alpha-Chlorotoluene	ND		82		ppb v/v			03/27/20 16:11	13.29
Benzene	ND		41		ppb v/v			03/27/20 16:11	13.29
Bromodichloromethane	ND		41		ppb v/v			03/27/20 16:11	13.29
Bromoform	ND		41		ppb v/v			03/27/20 16:11	13.29
Bromomethane	ND		41		ppb v/v			03/27/20 16:11	13.29
Carbon disulfide	ND		100		ppb v/v			03/27/20 16:11	13.29
Carbon tetrachloride	ND		16		ppb v/v			03/27/20 16:11	13.29
Chlorobenzene	ND		41		ppb v/v			03/27/20 16:11	13.29
Chloroethane	ND		41		ppb v/v			03/27/20 16:11	13.29
Chloroform	ND		41		ppb v/v			03/27/20 16:11	13.29
Chloromethane	ND		100		ppb v/v			03/27/20 16:11	13.29
cis-1,2-Dichloroethene	ND		20		ppb v/v			03/27/20 16:11	13.29
cis-1,3-Dichloropropene	ND		41		ppb v/v			03/27/20 16:11	13.29
Cumene	ND		82		ppb v/v			03/27/20 16:11	13.29
Cyclohexane	ND		100		ppb v/v			03/27/20 16:11	13.29
Dibromochloromethane	ND		41		ppb v/v			03/27/20 16:11	13.29
Ethanol	ND		1000		ppb v/v			03/27/20 16:11	13.29
Ethylbenzene	ND		41		ppb v/v			03/27/20 16:11	13.29
Freon 11	ND		41		ppb v/v			03/27/20 16:11	13.29
Freon 113	ND		41		ppb v/v			03/27/20 16:11	13.29
Freon 12	ND		41		ppb v/v			03/27/20 16:11	13.29
Freon-114	ND		41		ppb v/v			03/27/20 16:11	13.29
Heptane	ND		100		ppb v/v			03/27/20 16:11	13.29
Hexachlorobutadiene	ND		41		ppb v/v			03/27/20 16:11	13.29
Hexane	ND		100		ppb v/v			03/27/20 16:11	13.29
Methyl tert-butyl ether	ND		82		ppb v/v			03/27/20 16:11	13.29
Methylene Chloride	ND		200		ppb v/v			03/27/20 16:11	13.29
m-Xylene & p-Xylene	ND		41		ppb v/v			03/27/20 16:11	13.29
o-Xylene	ND		41		ppb v/v			03/27/20 16:11	13.29
Propylbenzene	ND		82		ppb v/v			03/27/20 16:11	13.29
Styrene	ND		41		ppb v/v			03/27/20 16:11	13.29

Client Sample ID: OFFSITE DDC MID 2
Lab Sample ID: 140-18683-4

Date Collected: 03/24/20 12:41
Matrix: Air
Date Received: 03/26/20 09:50
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
Tetrachloroethene	ND		41		ppb v/v			03/27/20 16:11	13.29
Tetrahydrofuran	**3400**		200		ppb v/v			03/27/20 16:11	13.29
Toluene	ND		61		ppb v/v			03/27/20 16:11	13.29
trans-1,2-Dichloroethene	ND		41		ppb v/v			03/27/20 16:11	13.29
trans-1,3-Dichloropropene	ND		41		ppb v/v			03/27/20 16:11	13.29
Trichloroethene	ND		18		ppb v/v			03/27/20 16:11	13.29
Vinyl chloride	ND		20		ppb v/v			03/27/20 16:11	13.29

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		220		ug/m3			03/27/20 16:11	13.29
1,1,2,2-Tetrachloroethane	ND		280		ug/m3			03/27/20 16:11	13.29
1,1,2-Trichloroethane	ND		220		ug/m3			03/27/20 16:11	13.29
1,1-Dichloroethane	ND		170		ug/m3			03/27/20 16:11	13.29
1,1-Dichloroethene	ND		81		ug/m3			03/27/20 16:11	13.29
1,2,4-Trichlorobenzene	ND		300		ug/m3			03/27/20 16:11	13.29
1,2,4-Trimethylbenzene	ND		200		ug/m3			03/27/20 16:11	13.29
1,2-Dibromoethane	ND		310		ug/m3			03/27/20 16:11	13.29
1,2-Dichlorobenzene	ND		250		ug/m3			03/27/20 16:11	13.29
1,2-Dichloroethane	ND		170		ug/m3			03/27/20 16:11	13.29
1,2-Dichloropropane	ND		190		ug/m3			03/27/20 16:11	13.29
1,3,5-Trimethylbenzene	ND		200		ug/m3			03/27/20 16:11	13.29
1,3-Butadiene	ND		180		ug/m3			03/27/20 16:11	13.29
1,3-Dichlorobenzene	ND		250		ug/m3			03/27/20 16:11	13.29
1,4-Dichlorobenzene	ND		250		ug/m3			03/27/20 16:11	13.29
1,4-Dioxane	ND		370		ug/m3			03/27/20 16:11	13.29
2,2,4-Trimethylpentane	ND		480		ug/m3			03/27/20 16:11	13.29
2-Butanone	**1300**		480		ug/m3			03/27/20 16:11	13.29
2-Hexanone	ND		420		ug/m3			03/27/20 16:11	13.29
2-Propanol	ND		1000		ug/m3			03/27/20 16:11	13.29
3-Chloropropene	ND		130		ug/m3			03/27/20 16:11	13.29
4-Ethyltoluene	ND		400		ug/m3			03/27/20 16:11	13.29
4-Methyl-2-pentanone (MIBK)	ND		420		ug/m3			03/27/20 16:11	13.29
Acetone	ND		2400		ug/m3			03/27/20 16:11	13.29
alpha-Chlorotoluene	ND		420		ug/m3			03/27/20 16:11	13.29
Benzene	ND		130		ug/m3			03/27/20 16:11	13.29
Bromodichloromethane	ND		270		ug/m3			03/27/20 16:11	13.29
Bromoform	ND		420		ug/m3			03/27/20 16:11	13.29
Bromomethane	ND		160		ug/m3			03/27/20 16:11	13.29
Carbon disulfide	ND		320		ug/m3			03/27/20 16:11	13.29
Carbon tetrachloride	ND		100		ug/m3			03/27/20 16:11	13.29
Chlorobenzene	ND		190		ug/m3			03/27/20 16:11	13.29
Chloroethane	ND		110		ug/m3			03/27/20 16:11	13.29
Chloroform	ND		200		ug/m3			03/27/20 16:11	13.29
Chloromethane	ND		210		ug/m3			03/27/20 16:11	13.29
cis-1,2-Dichloroethene	ND		81		ug/m3			03/27/20 16:11	13.29
cis-1,3-Dichloropropene	ND		190		ug/m3			03/27/20 16:11	13.29
Cumene	ND		400		ug/m3			03/27/20 16:11	13.29
Cyclohexane	ND		350		ug/m3			03/27/20 16:11	13.29
Dibromochloromethane	ND		350		ug/m3			03/27/20 16:11	13.29

Client Sample ID: OFFSITE DDC MID 2
Lab Sample ID: 140-18683-4

Date Collected: 03/24/20 12:41
Matrix: Air
Date Received: 03/26/20 09:50
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
Ethanol	ND		1900		ug/m3			03/27/20 16:11	13.29
Ethylbenzene	ND		180		ug/m3			03/27/20 16:11	13.29
Freon 11	ND		230		ug/m3			03/27/20 16:11	13.29
Freon 113	ND		310		ug/m3			03/27/20 16:11	13.29
Freon 12	ND		200		ug/m3			03/27/20 16:11	13.29
Freon-114	ND		290		ug/m3			03/27/20 16:11	13.29
Heptane	ND		420		ug/m3			03/27/20 16:11	13.29
Hexachlorobutadiene	ND		440		ug/m3			03/27/20 16:11	13.29
Hexane	ND		360		ug/m3			03/27/20 16:11	13.29
Methyl tert-butyl ether	ND		290		ug/m3			03/27/20 16:11	13.29
Methylene Chloride	ND		710		ug/m3			03/27/20 16:11	13.29
m-Xylene & p-Xylene	ND		180		ug/m3			03/27/20 16:11	13.29
o-Xylene	ND		180		ug/m3			03/27/20 16:11	13.29
Propylbenzene	ND		400		ug/m3			03/27/20 16:11	13.29
Styrene	ND		170		ug/m3			03/27/20 16:11	13.29
Tetrachloroethene	ND		280		ug/m3			03/27/20 16:11	13.29
Tetrahydrofuran	**10000**		600		ug/m3			03/27/20 16:11	13.29
Toluene	ND		230		ug/m3			03/27/20 16:11	13.29
trans-1,2-Dichloroethene	ND		160		ug/m3			03/27/20 16:11	13.29
trans-1,3-Dichloropropene	ND		190		ug/m3			03/27/20 16:11	13.29
Trichloroethene	ND		99		ug/m3			03/27/20 16:11	13.29
Vinyl chloride	ND		52		ug/m3			03/27/20 16:11	13.29

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*60 - 140*		*03/27/20 16:11*	*13.29*

Client Sample ID: OFFSITE DDC INF
Lab Sample ID: 140-18683-5

Date Collected: 03/24/20 12:40
Matrix: Air
Date Received: 03/26/20 09:50
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		73		ppb v/v			03/27/20 16:54	36.6
1,1,2,2-Tetrachloroethane	ND		73		ppb v/v			03/27/20 16:54	36.6
1,1,2-Trichloroethane	ND		73		ppb v/v			03/27/20 16:54	36.6
1,1-Dichloroethane	ND		73		ppb v/v			03/27/20 16:54	36.6
1,1-Dichloroethene	ND		37		ppb v/v			03/27/20 16:54	36.6
1,2,4-Trichlorobenzene	ND		73		ppb v/v			03/27/20 16:54	36.6
1,2,4-Trimethylbenzene	ND		73		ppb v/v			03/27/20 16:54	36.6
1,2-Dibromoethane	ND		73		ppb v/v			03/27/20 16:54	36.6
1,2-Dichlorobenzene	ND		73		ppb v/v			03/27/20 16:54	36.6
1,2-Dichloroethane	ND		73		ppb v/v			03/27/20 16:54	36.6
1,2-Dichloropropane	ND		73		ppb v/v			03/27/20 16:54	36.6
1,3,5-Trimethylbenzene	ND		73		ppb v/v			03/27/20 16:54	36.6
1,3-Butadiene	ND		150		ppb v/v			03/27/20 16:54	36.6
1,3-Dichlorobenzene	ND		73		ppb v/v			03/27/20 16:54	36.6
1,4-Dichlorobenzene	ND		73		ppb v/v			03/27/20 16:54	36.6
1,4-Dioxane	ND		180		ppb v/v			03/27/20 16:54	36.6

Client Sample ID: OFFSITE DDC INF
Lab Sample ID: 140-18683-5

Date Collected: 03/24/20 12:40
Matrix: Air
Date Received: 03/26/20 09:50
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2,4-Trimethylpentane	ND		180		ppb v/v			03/27/20 16:54	36.6
2-Butanone	**1800**		290		ppb v/v			03/27/20 16:54	36.6
2-Hexanone	ND		180		ppb v/v			03/27/20 16:54	36.6
2-Propanol	ND		730		ppb v/v			03/27/20 16:54	36.6
3-Chloropropene	ND		73		ppb v/v			03/27/20 16:54	36.6
4-Ethyltoluene	ND		150		ppb v/v			03/27/20 16:54	36.6
4-Methyl-2-pentanone (MIBK)	ND		180		ppb v/v			03/27/20 16:54	36.6
Acetone	ND		1800		ppb v/v			03/27/20 16:54	36.6
alpha-Chlorotoluene	ND		150		ppb v/v			03/27/20 16:54	36.6
Benzene	ND		73		ppb v/v			03/27/20 16:54	36.6
Bromodichloromethane	ND		73		ppb v/v			03/27/20 16:54	36.6
Bromoform	ND		73		ppb v/v			03/27/20 16:54	36.6
Bromomethane	ND		73		ppb v/v			03/27/20 16:54	36.6
Carbon disulfide	ND		180		ppb v/v			03/27/20 16:54	36.6
Carbon tetrachloride	ND		29		ppb v/v			03/27/20 16:54	36.6
Chlorobenzene	ND		73		ppb v/v			03/27/20 16:54	36.6
Chloroethane	ND		73		ppb v/v			03/27/20 16:54	36.6
Chloroform	ND		73		ppb v/v			03/27/20 16:54	36.6
Chloromethane	ND		180		ppb v/v			03/27/20 16:54	36.6
cis-1,2-Dichloroethene	ND		37		ppb v/v			03/27/20 16:54	36.6
cis-1,3-Dichloropropene	ND		73		ppb v/v			03/27/20 16:54	36.6
Cumene	ND		150		ppb v/v			03/27/20 16:54	36.6
Cyclohexane	ND		180		ppb v/v			03/27/20 16:54	36.6
Dibromochloromethane	ND		73		ppb v/v			03/27/20 16:54	36.6
Ethanol	ND		1800		ppb v/v			03/27/20 16:54	36.6
Ethylbenzene	ND		73		ppb v/v			03/27/20 16:54	36.6
Freon 11	ND		73		ppb v/v			03/27/20 16:54	36.6
Freon 113	ND		73		ppb v/v			03/27/20 16:54	36.6
Freon 12	ND		73		ppb v/v			03/27/20 16:54	36.6
Freon-114	ND		73		ppb v/v			03/27/20 16:54	36.6
Heptane	ND		180		ppb v/v			03/27/20 16:54	36.6
Hexachlorobutadiene	ND		73		ppb v/v			03/27/20 16:54	36.6
Hexane	ND		180		ppb v/v			03/27/20 16:54	36.6
Methyl tert-butyl ether	ND		150		ppb v/v			03/27/20 16:54	36.6
Methylene Chloride	ND		370		ppb v/v			03/27/20 16:54	36.6
m-Xylene & p-Xylene	ND		73		ppb v/v			03/27/20 16:54	36.6
o-Xylene	ND		73		ppb v/v			03/27/20 16:54	36.6
Propylbenzene	ND		150		ppb v/v			03/27/20 16:54	36.6
Styrene	ND		73		ppb v/v			03/27/20 16:54	36.6
Tetrachloroethene	ND		73		ppb v/v			03/27/20 16:54	36.6
Tetrahydrofuran	**16000**	**E**	370		ppb v/v			03/27/20 16:54	36.6
Toluene	ND		110		ppb v/v			03/27/20 16:54	36.6
trans-1,2-Dichloroethene	ND		73		ppb v/v			03/27/20 16:54	36.6
trans-1,3-Dichloropropene	ND		73		ppb v/v			03/27/20 16:54	36.6
Trichloroethene	ND		33		ppb v/v			03/27/20 16:54	36.6
Vinyl chloride	ND		37		ppb v/v			03/27/20 16:54	36.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		400		ug/m3			03/27/20 16:54	36.6

Client Sample ID: OFFSITE DDC INF
Lab Sample ID: 140-18683-5

Date Collected: 03/24/20 12:40
Matrix: Air
Date Received: 03/26/20 09:50
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		500		ug/m3			03/27/20 16:54	36.6
1,1,2-Trichloroethane	ND		400		ug/m3			03/27/20 16:54	36.6
1,1-Dichloroethane	ND		300		ug/m3			03/27/20 16:54	36.6
1,1-Dichloroethene	ND		150		ug/m3			03/27/20 16:54	36.6
1,2,4-Trichlorobenzene	ND		540		ug/m3			03/27/20 16:54	36.6
1,2,4-Trimethylbenzene	ND		360		ug/m3			03/27/20 16:54	36.6
1,2-Dibromoethane	ND		560		ug/m3			03/27/20 16:54	36.6
1,2-Dichlorobenzene	ND		440		ug/m3			03/27/20 16:54	36.6
1,2-Dichloroethane	ND		300		ug/m3			03/27/20 16:54	36.6
1,2-Dichloropropane	ND		340		ug/m3			03/27/20 16:54	36.6
1,3,5-Trimethylbenzene	ND		360		ug/m3			03/27/20 16:54	36.6
1,3-Butadiene	ND		320		ug/m3			03/27/20 16:54	36.6
1,3-Dichlorobenzene	ND		440		ug/m3			03/27/20 16:54	36.6
1,4-Dichlorobenzene	ND		440		ug/m3			03/27/20 16:54	36.6
1,4-Dioxane	ND		660		ug/m3			03/27/20 16:54	36.6
2,2,4-Trimethylpentane	ND		850		ug/m3			03/27/20 16:54	36.6
2-Butanone	**5300**		860		ug/m3			03/27/20 16:54	36.6
2-Hexanone	ND		750		ug/m3			03/27/20 16:54	36.6
2-Propanol	ND		1800		ug/m3			03/27/20 16:54	36.6
3-Chloropropene	ND		230		ug/m3			03/27/20 16:54	36.6
4-Ethyltoluene	ND		720		ug/m3			03/27/20 16:54	36.6
4-Methyl-2-pentanone (MIBK)	ND		750		ug/m3			03/27/20 16:54	36.6
Acetone	ND		4300		ug/m3			03/27/20 16:54	36.6
alpha-Chlorotoluene	ND		760		ug/m3			03/27/20 16:54	36.6
Benzene	ND		230		ug/m3			03/27/20 16:54	36.6
Bromodichloromethane	ND		490		ug/m3			03/27/20 16:54	36.6
Bromoform	ND		760		ug/m3			03/27/20 16:54	36.6
Bromomethane	ND		280		ug/m3			03/27/20 16:54	36.6
Carbon disulfide	ND		570		ug/m3			03/27/20 16:54	36.6
Carbon tetrachloride	ND		180		ug/m3			03/27/20 16:54	36.6
Chlorobenzene	ND		340		ug/m3			03/27/20 16:54	36.6
Chloroethane	ND		190		ug/m3			03/27/20 16:54	36.6
Chloroform	ND		360		ug/m3			03/27/20 16:54	36.6
Chloromethane	ND		380		ug/m3			03/27/20 16:54	36.6
cis-1,2-Dichloroethene	ND		150		ug/m3			03/27/20 16:54	36.6
cis-1,3-Dichloropropene	ND		330		ug/m3			03/27/20 16:54	36.6
Cumene	ND		720		ug/m3			03/27/20 16:54	36.6
Cyclohexane	ND		630		ug/m3			03/27/20 16:54	36.6
Dibromochloromethane	ND		620		ug/m3			03/27/20 16:54	36.6
Ethanol	ND		3400		ug/m3			03/27/20 16:54	36.6
Ethylbenzene	ND		320		ug/m3			03/27/20 16:54	36.6
Freon 11	ND		410		ug/m3			03/27/20 16:54	36.6
Freon 113	ND		560		ug/m3			03/27/20 16:54	36.6
Freon 12	ND		360		ug/m3			03/27/20 16:54	36.6
Freon-114	ND		510		ug/m3			03/27/20 16:54	36.6
Heptane	ND		750		ug/m3			03/27/20 16:54	36.6
Hexachlorobutadiene	ND		780		ug/m3			03/27/20 16:54	36.6
Hexane	ND		640		ug/m3			03/27/20 16:54	36.6

Client Sample ID: OFFSITE DDC INF
Lab Sample ID: 140-18683-5

Date Collected: 03/24/20 12:40
Matrix: Air
Date Received: 03/26/20 09:50
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
Methyl tert-butyl ether	ND		530		ug/m3			03/27/20 16:54	36.6
Methylene Chloride	ND		1300		ug/m3			03/27/20 16:54	36.6
m-Xylene & p-Xylene	ND		320		ug/m3			03/27/20 16:54	36.6
o-Xylene	ND		320		ug/m3			03/27/20 16:54	36.6
Propylbenzene	ND		720		ug/m3			03/27/20 16:54	36.6
Styrene	ND		310		ug/m3			03/27/20 16:54	36.6
Tetrachloroethene	ND		500		ug/m3			03/27/20 16:54	36.6
Tetrahydrofuran	**47000**	**E**	1100		ug/m3			03/27/20 16:54	36.6
Toluene	ND		410		ug/m3			03/27/20 16:54	36.6
trans-1,2-Dichloroethene	ND		290		ug/m3			03/27/20 16:54	36.6
trans-1,3-Dichloropropene	ND		330		ug/m3			03/27/20 16:54	36.6
Trichloroethene	ND		180		ug/m3			03/27/20 16:54	36.6
Vinyl chloride	ND		94		ug/m3			03/27/20 16:54	36.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*60 - 140*		*03/27/20 16:54*	*36.6*

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
Tetrahydrofuran	**13000**		730		ppb v/v			03/30/20 19:25	36.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	**39000**		2200		ug/m3			03/30/20 19:25	36.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 140*		*03/30/20 19:25*	*36.6*

Client Sample ID: OFFSITE DDC MID 1
Lab Sample ID: 140-18683-6

Date Collected: 03/24/20 12:36
Matrix: Air
Date Received: 03/26/20 09:50
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		20		ppb v/v			03/27/20 18:25	5.57
1,1,2,2-Tetrachloroethane	ND		20		ppb v/v			03/27/20 18:25	5.57
1,1,2-Trichloroethane	ND		20		ppb v/v			03/27/20 18:25	5.57
1,1-Dichloroethane	ND		20		ppb v/v			03/27/20 18:25	5.57
1,1-Dichloroethene	ND		10		ppb v/v			03/27/20 18:25	5.57
1,2,4-Trichlorobenzene	ND		20		ppb v/v			03/27/20 18:25	5.57
1,2,4-Trimethylbenzene	ND		20		ppb v/v			03/27/20 18:25	5.57
1,2-Dibromoethane	ND		20		ppb v/v			03/27/20 18:25	5.57
1,2-Dichlorobenzene	ND		20		ppb v/v			03/27/20 18:25	5.57
1,2-Dichloroethane	ND		20		ppb v/v			03/27/20 18:25	5.57
1,2-Dichloropropane	ND		20		ppb v/v			03/27/20 18:25	5.57
1,3,5-Trimethylbenzene	ND		20		ppb v/v			03/27/20 18:25	5.57
1,3-Butadiene	ND		41		ppb v/v			03/27/20 18:25	5.57
1,3-Dichlorobenzene	ND		20		ppb v/v			03/27/20 18:25	5.57
1,4-Dichlorobenzene	ND		20		ppb v/v			03/27/20 18:25	5.57
1,4-Dioxane	ND		51		ppb v/v			03/27/20 18:25	5.57

Client Sample ID: OFFSITE DDC MID 1
Lab Sample ID: 140-18683-6

Date Collected: 03/24/20 12:36
Matrix: Air
Date Received: 03/26/20 09:50
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2,4-Trimethylpentane	ND		51		ppb v/v			03/27/20 18:25	5.57
2-Butanone	**520**		81		ppb v/v			03/27/20 18:25	5.57
2-Hexanone	ND		51		ppb v/v			03/27/20 18:25	5.57
2-Propanol	ND		200		ppb v/v			03/27/20 18:25	5.57
3-Chloropropene	ND		20		ppb v/v			03/27/20 18:25	5.57
4-Ethyltoluene	ND		41		ppb v/v			03/27/20 18:25	5.57
4-Methyl-2-pentanone (MIBK)	ND		51		ppb v/v			03/27/20 18:25	5.57
Acetone	ND		510		ppb v/v			03/27/20 18:25	5.57
alpha-Chlorotoluene	ND		41		ppb v/v			03/27/20 18:25	5.57
Benzene	ND		20		ppb v/v			03/27/20 18:25	5.57
Bromodichloromethane	ND		20		ppb v/v			03/27/20 18:25	5.57
Bromoform	ND		20		ppb v/v			03/27/20 18:25	5.57
Bromomethane	ND		20		ppb v/v			03/27/20 18:25	5.57
Carbon disulfide	ND		51		ppb v/v			03/27/20 18:25	5.57
Carbon tetrachloride	ND		8.1		ppb v/v			03/27/20 18:25	5.57
Chlorobenzene	ND		20		ppb v/v			03/27/20 18:25	5.57
Chloroethane	ND		20		ppb v/v			03/27/20 18:25	5.57
Chloroform	ND		20		ppb v/v			03/27/20 18:25	5.57
Chloromethane	ND		51		ppb v/v			03/27/20 18:25	5.57
cis-1,2-Dichloroethene	ND		10		ppb v/v			03/27/20 18:25	5.57
cis-1,3-Dichloropropene	ND		20		ppb v/v			03/27/20 18:25	5.57
Cumene	ND		41		ppb v/v			03/27/20 18:25	5.57
Cyclohexane	ND		51		ppb v/v			03/27/20 18:25	5.57
Dibromochloromethane	ND		20		ppb v/v			03/27/20 18:25	5.57
Ethanol	ND		510		ppb v/v			03/27/20 18:25	5.57
Ethylbenzene	ND		20		ppb v/v			03/27/20 18:25	5.57
Freon 11	ND		20		ppb v/v			03/27/20 18:25	5.57
Freon 113	ND		20		ppb v/v			03/27/20 18:25	5.57
Freon 12	ND		20		ppb v/v			03/27/20 18:25	5.57
Freon-114	ND		20		ppb v/v			03/27/20 18:25	5.57
Heptane	ND		51		ppb v/v			03/27/20 18:25	5.57
Hexachlorobutadiene	ND		20		ppb v/v			03/27/20 18:25	5.57
Hexane	ND		51		ppb v/v			03/27/20 18:25	5.57
Methyl tert-butyl ether	ND		41		ppb v/v			03/27/20 18:25	5.57
Methylene Chloride	ND		100		ppb v/v			03/27/20 18:25	5.57
m-Xylene & p-Xylene	ND		20		ppb v/v			03/27/20 18:25	5.57
o-Xylene	ND		20		ppb v/v			03/27/20 18:25	5.57
Propylbenzene	ND		41		ppb v/v			03/27/20 18:25	5.57
Styrene	ND		20		ppb v/v			03/27/20 18:25	5.57
Tetrachloroethene	ND		20		ppb v/v			03/27/20 18:25	5.57
Tetrahydrofuran	**2800**		100		ppb v/v			03/27/20 18:25	5.57
Toluene	ND		30		ppb v/v			03/27/20 18:25	5.57
trans-1,2-Dichloroethene	ND		20		ppb v/v			03/27/20 18:25	5.57
trans-1,3-Dichloropropene	ND		20		ppb v/v			03/27/20 18:25	5.57
Trichloroethene	ND		9.1		ppb v/v			03/27/20 18:25	5.57
Vinyl chloride	ND		10		ppb v/v			03/27/20 18:25	5.57

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110		ug/m3			03/27/20 18:25	5.57

Client Sample ID: OFFSITE DDC MID 1
Lab Sample ID: 140-18683-6

Date Collected: 03/24/20 12:36
Matrix: Air
Date Received: 03/26/20 09:50
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		140		ug/m3			03/27/20 18:25	5.57
1,1,2-Trichloroethane	ND		110		ug/m3			03/27/20 18:25	5.57
1,1-Dichloroethane	ND		82		ug/m3			03/27/20 18:25	5.57
1,1-Dichloroethene	ND		40		ug/m3			03/27/20 18:25	5.57
1,2,4-Trichlorobenzene	ND		150		ug/m3			03/27/20 18:25	5.57
1,2,4-Trimethylbenzene	ND		100		ug/m3			03/27/20 18:25	5.57
1,2-Dibromoethane	ND		160		ug/m3			03/27/20 18:25	5.57
1,2-Dichlorobenzene	ND		120		ug/m3			03/27/20 18:25	5.57
1,2-Dichloroethane	ND		82		ug/m3			03/27/20 18:25	5.57
1,2-Dichloropropane	ND		94		ug/m3			03/27/20 18:25	5.57
1,3,5-Trimethylbenzene	ND		100		ug/m3			03/27/20 18:25	5.57
1,3-Butadiene	ND		90		ug/m3			03/27/20 18:25	5.57
1,3-Dichlorobenzene	ND		120		ug/m3			03/27/20 18:25	5.57
1,4-Dichlorobenzene	ND		120		ug/m3			03/27/20 18:25	5.57
1,4-Dioxane	ND		180		ug/m3			03/27/20 18:25	5.57
2,2,4-Trimethylpentane	ND		240		ug/m3			03/27/20 18:25	5.57
2-Butanone	**1500**		240		ug/m3			03/27/20 18:25	5.57
2-Hexanone	ND		210		ug/m3			03/27/20 18:25	5.57
2-Propanol	ND		500		ug/m3			03/27/20 18:25	5.57
3-Chloropropene	ND		63		ug/m3			03/27/20 18:25	5.57
4-Ethyltoluene	ND		200		ug/m3			03/27/20 18:25	5.57
4-Methyl-2-pentanone (MIBK)	ND		210		ug/m3			03/27/20 18:25	5.57
Acetone	ND		1200		ug/m3			03/27/20 18:25	5.57
alpha-Chlorotoluene	ND		210		ug/m3			03/27/20 18:25	5.57
Benzene	ND		65		ug/m3			03/27/20 18:25	5.57
Bromodichloromethane	ND		140		ug/m3			03/27/20 18:25	5.57
Bromoform	ND		210		ug/m3			03/27/20 18:25	5.57
Bromomethane	ND		79		ug/m3			03/27/20 18:25	5.57
Carbon disulfide	ND		160		ug/m3			03/27/20 18:25	5.57
Carbon tetrachloride	ND		51		ug/m3			03/27/20 18:25	5.57
Chlorobenzene	ND		93		ug/m3			03/27/20 18:25	5.57
Chloroethane	ND		53		ug/m3			03/27/20 18:25	5.57
Chloroform	ND		99		ug/m3			03/27/20 18:25	5.57
Chloromethane	ND		100		ug/m3			03/27/20 18:25	5.57
cis-1,2-Dichloroethene	ND		40		ug/m3			03/27/20 18:25	5.57
cis-1,3-Dichloropropene	ND		92		ug/m3			03/27/20 18:25	5.57
Cumene	ND		200		ug/m3			03/27/20 18:25	5.57
Cyclohexane	ND		170		ug/m3			03/27/20 18:25	5.57
Dibromochloromethane	ND		170		ug/m3			03/27/20 18:25	5.57
Ethanol	ND		950		ug/m3			03/27/20 18:25	5.57
Ethylbenzene	ND		88		ug/m3			03/27/20 18:25	5.57
Freon 11	ND		110		ug/m3			03/27/20 18:25	5.57
Freon 113	ND		160		ug/m3			03/27/20 18:25	5.57
Freon 12	ND		100		ug/m3			03/27/20 18:25	5.57
Freon-114	ND		140		ug/m3			03/27/20 18:25	5.57
Heptane	ND		210		ug/m3			03/27/20 18:25	5.57
Hexachlorobutadiene	ND		220		ug/m3			03/27/20 18:25	5.57
Hexane	ND		180		ug/m3			03/27/20 18:25	5.57

Client Sample ID: OFFSITE DDC MID 1
Lab Sample ID: 140-18683-6

Date Collected: 03/24/20 12:36
Matrix: Air
Date Received: 03/26/20 09:50
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
Methyl tert-butyl ether	ND		150		ug/m3			03/27/20 18:25	5.57
Methylene Chloride	ND		350		ug/m3			03/27/20 18:25	5.57
m-Xylene & p-Xylene	ND		88		ug/m3			03/27/20 18:25	5.57
o-Xylene	ND		88		ug/m3			03/27/20 18:25	5.57
Propylbenzene	ND		200		ug/m3			03/27/20 18:25	5.57
Styrene	ND		86		ug/m3			03/27/20 18:25	5.57
Tetrachloroethene	ND		140		ug/m3			03/27/20 18:25	5.57
Tetrahydrofuran	**8200**		300		ug/m3			03/27/20 18:25	5.57
Toluene	ND		110		ug/m3			03/27/20 18:25	5.57
trans-1,2-Dichloroethene	ND		80		ug/m3			03/27/20 18:25	5.57
trans-1,3-Dichloropropene	ND		92		ug/m3			03/27/20 18:25	5.57
Trichloroethene	ND		49		ug/m3			03/27/20 18:25	5.57
Vinyl chloride	ND		26		ug/m3			03/27/20 18:25	5.57

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*60 - 140*		*03/27/20 18:25*	*5.57*

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

Default Detection Limits

Client: New York State D.E.C.
Job ID: 140-18683-1
Project/Site: National Heatset #152140

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: 140-18683-1

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)							
140-18683-1	SVE INF	96							
140-18683-1 - DL	SVE INF	95							
140-18683-2	SVE EFF	94							
140-18683-3	OFFSITE DDC EFF	106							
140-18683-3 - DL	OFFSITE DDC EFF	94							
140-18683-4	OFFSITE DDC MID 2	100							
140-18683-5	OFFSITE DDC INF	102							
140-18683-5 - DL	OFFSITE DDC INF	96							
140-18683-6	OFFSITE DDC MID 1	96							
LCS 140-38633/1002	Lab Control Sample	108							
LCS 140-38705/1002	Lab Control Sample	106							
MB 140-38633/4	Method Blank	99							
MB 140-38705/4	Method Blank	95							

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

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

Lab Sample ID: MB 140-38633/4
Matrix: Air
Analysis Batch: 38633

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			03/27/20 11:09	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/27/20 11:09	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/27/20 11:09	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/27/20 11:09	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/27/20 11:09	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/27/20 11:09	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/27/20 11:09	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/27/20 11:09	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/27/20 11:09	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/27/20 11:09	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/27/20 11:09	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/27/20 11:09	1
1,3-Butadiene	ND		0.16		ppb v/v			03/27/20 11:09	1
1,3-Dichlorobenzene	ND		0.080		ppb v/v			03/27/20 11:09	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/27/20 11:09	1
1,4-Dioxane	ND		0.20		ppb v/v			03/27/20 11:09	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/27/20 11:09	1
2-Butanone	ND		0.32		ppb v/v			03/27/20 11:09	1
2-Hexanone	ND		0.20		ppb v/v			03/27/20 11:09	1
2-Propanol	ND		0.80		ppb v/v			03/27/20 11:09	1
3-Chloropropene	ND		0.080		ppb v/v			03/27/20 11:09	1
4-Ethyltoluene	ND		0.16		ppb v/v			03/27/20 11:09	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/27/20 11:09	1
Acetone	ND		2.0		ppb v/v			03/27/20 11:09	1
alpha-Chlorotoluene	ND		0.16		ppb v/v			03/27/20 11:09	1
Benzene	ND		0.080		ppb v/v			03/27/20 11:09	1
Bromodichloromethane	ND		0.080		ppb v/v			03/27/20 11:09	1
Bromoform	ND		0.080		ppb v/v			03/27/20 11:09	1
Bromomethane	ND		0.080		ppb v/v			03/27/20 11:09	1
Carbon disulfide	ND		0.20		ppb v/v			03/27/20 11:09	1
Carbon tetrachloride	ND		0.032		ppb v/v			03/27/20 11:09	1
Chlorobenzene	ND		0.080		ppb v/v			03/27/20 11:09	1
Chloroethane	ND		0.080		ppb v/v			03/27/20 11:09	1
Chloroform	ND		0.080		ppb v/v			03/27/20 11:09	1
Chloromethane	ND		0.20		ppb v/v			03/27/20 11:09	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/27/20 11:09	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/27/20 11:09	1
Cumene	ND		0.16		ppb v/v			03/27/20 11:09	1
Cyclohexane	ND		0.20		ppb v/v			03/27/20 11:09	1
Dibromochloromethane	ND		0.080		ppb v/v			03/27/20 11:09	1
Ethanol	ND		2.0		ppb v/v			03/27/20 11:09	1
Ethylbenzene	ND		0.080		ppb v/v			03/27/20 11:09	1
Freon 11	ND		0.080		ppb v/v			03/27/20 11:09	1
Freon 113	ND		0.080		ppb v/v			03/27/20 11:09	1
Freon 12	ND		0.080		ppb v/v			03/27/20 11:09	1
Freon-114	ND		0.080		ppb v/v			03/27/20 11:09	1
Heptane	ND		0.20		ppb v/v			03/27/20 11:09	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/27/20 11:09	1

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

Lab Sample ID: MB 140-38633/4
Matrix: Air
Analysis Batch: 38633

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			03/27/20 11:09	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/27/20 11:09	1
Methylene Chloride	ND		0.40		ppb v/v			03/27/20 11:09	1
m-Xylene & p-Xylene	ND		0.080		ppb v/v			03/27/20 11:09	1
o-Xylene	ND		0.080		ppb v/v			03/27/20 11:09	1
Propylbenzene	ND		0.16		ppb v/v			03/27/20 11:09	1
Styrene	ND		0.080		ppb v/v			03/27/20 11:09	1
Tetrachloroethene	ND		0.080		ppb v/v			03/27/20 11:09	1
Tetrahydrofuran	ND		0.40		ppb v/v			03/27/20 11:09	1
Toluene	ND		0.12		ppb v/v			03/27/20 11:09	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/27/20 11:09	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/27/20 11:09	1
Trichloroethene	ND		0.036		ppb v/v			03/27/20 11:09	1
Vinyl chloride	ND		0.040		ppb v/v			03/27/20 11:09	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/27/20 11:09	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/27/20 11:09	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/27/20 11:09	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/27/20 11:09	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/27/20 11:09	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/27/20 11:09	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/27/20 11:09	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/27/20 11:09	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/27/20 11:09	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/27/20 11:09	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/27/20 11:09	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/27/20 11:09	1
1,3-Butadiene	ND		0.35		ug/m3			03/27/20 11:09	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/27/20 11:09	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/27/20 11:09	1
1,4-Dioxane	ND		0.72		ug/m3			03/27/20 11:09	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/27/20 11:09	1
2-Butanone	ND		0.94		ug/m3			03/27/20 11:09	1
2-Hexanone	ND		0.82		ug/m3			03/27/20 11:09	1
2-Propanol	ND		2.0		ug/m3			03/27/20 11:09	1
3-Chloropropene	ND		0.25		ug/m3			03/27/20 11:09	1
4-Ethyltoluene	ND		0.79		ug/m3			03/27/20 11:09	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/27/20 11:09	1
Acetone	ND		4.8		ug/m3			03/27/20 11:09	1
alpha-Chlorotoluene	ND		0.83		ug/m3			03/27/20 11:09	1
Benzene	ND		0.26		ug/m3			03/27/20 11:09	1
Bromodichloromethane	ND		0.54		ug/m3			03/27/20 11:09	1
Bromoform	ND		0.83		ug/m3			03/27/20 11:09	1
Bromomethane	ND		0.31		ug/m3			03/27/20 11:09	1
Carbon disulfide	ND		0.62		ug/m3			03/27/20 11:09	1
Carbon tetrachloride	ND		0.20		ug/m3			03/27/20 11:09	1

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

Lab Sample ID: MB 140-38633/4
Matrix: Air
Analysis Batch: 38633

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			03/27/20 11:09	1
Chloroethane	ND		0.21		ug/m3			03/27/20 11:09	1
Chloroform	ND		0.39		ug/m3			03/27/20 11:09	1
Chloromethane	ND		0.41		ug/m3			03/27/20 11:09	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/27/20 11:09	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/27/20 11:09	1
Cumene	ND		0.79		ug/m3			03/27/20 11:09	1
Cyclohexane	ND		0.69		ug/m3			03/27/20 11:09	1
Dibromochloromethane	ND		0.68		ug/m3			03/27/20 11:09	1
Ethanol	ND		3.8		ug/m3			03/27/20 11:09	1
Ethylbenzene	ND		0.35		ug/m3			03/27/20 11:09	1
Freon 11	ND		0.45		ug/m3			03/27/20 11:09	1
Freon 113	ND		0.61		ug/m3			03/27/20 11:09	1
Freon 12	ND		0.40		ug/m3			03/27/20 11:09	1
Freon-114	ND		0.56		ug/m3			03/27/20 11:09	1
Heptane	ND		0.82		ug/m3			03/27/20 11:09	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/27/20 11:09	1
Hexane	ND		0.70		ug/m3			03/27/20 11:09	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/27/20 11:09	1
Methylene Chloride	ND		1.4		ug/m3			03/27/20 11:09	1
m-Xylene & p-Xylene	ND		0.35		ug/m3			03/27/20 11:09	1
o-Xylene	ND		0.35		ug/m3			03/27/20 11:09	1
Propylbenzene	ND		0.79		ug/m3			03/27/20 11:09	1
Styrene	ND		0.34		ug/m3			03/27/20 11:09	1
Tetrachloroethene	ND		0.54		ug/m3			03/27/20 11:09	1
Tetrahydrofuran	ND		1.2		ug/m3			03/27/20 11:09	1
Toluene	ND		0.45		ug/m3			03/27/20 11:09	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/27/20 11:09	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/27/20 11:09	1
Trichloroethene	ND		0.19		ug/m3			03/27/20 11:09	1
Vinyl chloride	ND		0.10		ug/m3			03/27/20 11:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*60 - 140*		*03/27/20 11:09*	*1*

Lab Sample ID: LCS 140-38633/1002
Matrix: Air
Analysis Batch: 38633

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2.00	2.22		ppb v/v		111	70 - 130
1,1,2,2-Tetrachloroethane	2.00	1.80		ppb v/v		90	70 - 130
1,1,2-Trichloroethane	2.00	1.85		ppb v/v		92	70 - 130
1,1-Dichloroethane	2.00	2.16		ppb v/v		108	70 - 130
1,1-Dichloroethene	2.00	2.05		ppb v/v		103	70 - 130
1,2,4-Trichlorobenzene	2.00	1.33		ppb v/v		66	60 - 140
1,2,4-Trimethylbenzene	2.00	1.61		ppb v/v		80	70 - 130

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

Lab Sample ID: LCS 140-38633/1002
Matrix: Air
Analysis Batch: 38633

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	2.00	1.85		ppb v/v		93	70 - 130
1,2-Dichlorobenzene	2.00	1.58		ppb v/v		79	70 - 130
1,2-Dichloroethane	2.00	2.17		ppb v/v		109	70 - 130
1,2-Dichloropropane	2.00	1.84		ppb v/v		92	70 - 130
1,3,5-Trimethylbenzene	2.00	1.51		ppb v/v		76	70 - 130
1,3-Butadiene	2.00	2.36		ppb v/v		118	60 - 140
1,3-Dichlorobenzene	2.00	1.58		ppb v/v		79	70 - 130
1,4-Dichlorobenzene	2.00	1.55		ppb v/v		78	70 - 130
1,4-Dioxane	2.00	1.74		ppb v/v		87	60 - 140
2,2,4-Trimethylpentane	2.00	2.03		ppb v/v		101	70 - 130
2-Butanone	2.00	1.60		ppb v/v		80	60 - 140
2-Hexanone	2.00	1.66		ppb v/v		83	60 - 140
2-Propanol	6.00	6.24		ppb v/v		104	60 - 140
3-Chloropropene	2.00	2.37		ppb v/v		118	60 - 140
4-Ethyltoluene	2.00	1.68		ppb v/v		84	70 - 130
4-Methyl-2-pentanone (MIBK)	2.00	1.66		ppb v/v		83	60 - 140
Acetone	6.00	5.80		ppb v/v		97	60 - 140
alpha-Chlorotoluene	2.00	1.85		ppb v/v		93	70 - 130
Benzene	2.00	1.94		ppb v/v		97	70 - 130
Bromodichloromethane	2.00	2.20		ppb v/v		110	70 - 130
Bromoform	2.00	1.64		ppb v/v		82	60 - 140
Bromomethane	2.00	2.28		ppb v/v		114	70 - 130
Carbon disulfide	2.00	2.25		ppb v/v		112	70 - 130
Carbon tetrachloride	2.00	2.38		ppb v/v		119	70 - 130
Chlorobenzene	2.00	1.63		ppb v/v		81	70 - 130
Chloroethane	2.00	2.30		ppb v/v		115	70 - 130
Chloroform	2.00	2.18		ppb v/v		109	70 - 130
Chloromethane	2.00	2.38		ppb v/v		119	60 - 140
cis-1,2-Dichloroethene	2.00	2.03		ppb v/v		101	70 - 130
cis-1,3-Dichloropropene	2.00	1.88		ppb v/v		94	70 - 130
Cumene	2.00	1.70		ppb v/v		85	70 - 130
Cyclohexane	2.00	2.09		ppb v/v		105	70 - 130
Dibromochloromethane	2.00	1.98		ppb v/v		99	70 - 130
Ethanol	10.0	11.3		ppb v/v		113	60 - 140
Ethylbenzene	2.00	1.67		ppb v/v		83	70 - 130
Freon 11	2.00	2.58		ppb v/v		129	60 - 140
Freon 113	2.00	2.16		ppb v/v		108	70 - 130
Freon 12	2.00	2.48		ppb v/v		124	60 - 140
Freon-114	2.00	2.18		ppb v/v		109	60 - 140
Heptane	2.00	2.00		ppb v/v		100	70 - 130
Hexachlorobutadiene	2.00	1.31		ppb v/v		66	60 - 140
Hexane	2.00	2.12		ppb v/v		106	70 - 130
Methyl tert-butyl ether	2.00	1.85		ppb v/v		92	60 - 140
Methylene Chloride	2.00	2.29		ppb v/v		115	70 - 130
m-Xylene & p-Xylene	4.00	3.46		ppb v/v		86	70 - 130
o-Xylene	2.00	1.80		ppb v/v		90	70 - 130
Propylbenzene	2.00	1.50		ppb v/v		75	70 - 130

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

Lab Sample ID: LCS 140-38633/1002
Matrix: Air
Analysis Batch: 38633

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	2.00	1.54		ppb v/v		77	70 - 130
Tetrachloroethene	2.00	1.82		ppb v/v		91	70 - 130
Tetrahydrofuran	2.00	1.72		ppb v/v		86	60 - 140
Toluene	2.00	1.79		ppb v/v		89	70 - 130
trans-1,2-Dichloroethene	2.00	2.14		ppb v/v		107	70 - 130
trans-1,3-Dichloropropene	2.00	1.79		ppb v/v		90	70 - 130
Trichloroethene	2.00	1.87		ppb v/v		94	70 - 130
Vinyl chloride	2.00	2.29		ppb v/v		114	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	11	12.1		ug/m3		111	70 - 130
1,1,2,2-Tetrachloroethane	14	12.4		ug/m3		90	70 - 130
1,1,2-Trichloroethane	11	10.1		ug/m3		92	70 - 130
1,1-Dichloroethane	8.1	8.76		ug/m3		108	70 - 130
1,1-Dichloroethene	7.9	8.15		ug/m3		103	70 - 130
1,2,4-Trichlorobenzene	15	9.86		ug/m3		66	60 - 140
1,2,4-Trimethylbenzene	9.8	7.91		ug/m3		80	70 - 130
1,2-Dibromoethane	15	14.2		ug/m3		93	70 - 130
1,2-Dichlorobenzene	12	9.49		ug/m3		79	70 - 130
1,2-Dichloroethane	8.1	8.80		ug/m3		109	70 - 130
1,2-Dichloropropane	9.2	8.50		ug/m3		92	70 - 130
1,3,5-Trimethylbenzene	9.8	7.43		ug/m3		76	70 - 130
1,3-Butadiene	4.4	5.21		ug/m3		118	60 - 140
1,3-Dichlorobenzene	12	9.48		ug/m3		79	70 - 130
1,4-Dichlorobenzene	12	9.34		ug/m3		78	70 - 130
1,4-Dioxane	7.2	6.26		ug/m3		87	60 - 140
2,2,4-Trimethylpentane	9.3	9.46		ug/m3		101	70 - 130
2-Butanone	5.9	4.71		ug/m3		80	60 - 140
2-Hexanone	8.2	6.79		ug/m3		83	60 - 140
2-Propanol	15	15.3		ug/m3		104	60 - 140
3-Chloropropene	6.3	7.41		ug/m3		118	60 - 140
4-Ethyltoluene	9.8	8.25		ug/m3		84	70 - 130
4-Methyl-2-pentanone (MIBK)	8.2	6.78		ug/m3		83	60 - 140
Acetone	14	13.8		ug/m3		97	60 - 140
alpha-Chlorotoluene	10	9.58		ug/m3		93	70 - 130
Benzene	6.4	6.18		ug/m3		97	70 - 130
Bromodichloromethane	13	14.7		ug/m3		110	70 - 130
Bromoform	21	17.0		ug/m3		82	60 - 140
Bromomethane	7.8	8.87		ug/m3		114	70 - 130
Carbon disulfide	6.2	6.99		ug/m3		112	70 - 130
Carbon tetrachloride	13	15.0		ug/m3		119	70 - 130
Chlorobenzene	9.2	7.48		ug/m3		81	70 - 130
Chloroethane	5.3	6.06		ug/m3		115	70 - 130
Chloroform	9.8	10.6		ug/m3		109	70 - 130
Chloromethane	4.1	4.91		ug/m3		119	60 - 140
cis-1,2-Dichloroethene	7.9	8.04		ug/m3		101	70 - 130
cis-1,3-Dichloropropene	9.1	8.52		ug/m3		94	70 - 130

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

Lab Sample ID: LCS 140-38633/1002
Matrix: Air
Analysis Batch: 38633

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cumene	9.8	8.35		ug/m3		85	70 - 130
Cyclohexane	6.9	7.20		ug/m3		105	70 - 130
Dibromochloromethane	17	16.9		ug/m3		99	70 - 130
Ethanol	19	21.3		ug/m3		113	60 - 140
Ethylbenzene	8.7	7.25		ug/m3		83	70 - 130
Freon 11	11	14.5		ug/m3		129	60 - 140
Freon 113	15	16.6		ug/m3		108	70 - 130
Freon 12	9.9	12.3		ug/m3		124	60 - 140
Freon-114	14	15.2		ug/m3		109	60 - 140
Heptane	8.2	8.21		ug/m3		100	70 - 130
Hexachlorobutadiene	21	14.0		ug/m3		66	60 - 140
Hexane	7.0	7.47		ug/m3		106	70 - 130
Methyl tert-butyl ether	7.2	6.66		ug/m3		92	60 - 140
Methylene Chloride	6.9	7.97		ug/m3		115	70 - 130
m-Xylene & p-Xylene	17	15.0		ug/m3		86	70 - 130
o-Xylene	8.7	7.80		ug/m3		90	70 - 130
Propylbenzene	9.8	7.38		ug/m3		75	70 - 130
Styrene	8.5	6.56		ug/m3		77	70 - 130
Tetrachloroethene	14	12.4		ug/m3		91	70 - 130
Tetrahydrofuran	5.9	5.08		ug/m3		86	60 - 140
Toluene	7.5	6.74		ug/m3		89	70 - 130
trans-1,2-Dichloroethene	7.9	8.47		ug/m3		107	70 - 130
trans-1,3-Dichloropropene	9.1	8.14		ug/m3		90	70 - 130
Trichloroethene	11	10.1		ug/m3		94	70 - 130
Vinyl chloride	5.1	5.84		ug/m3		114	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*108*		*60 - 140*

Lab Sample ID: MB 140-38705/4
Matrix: Air
Analysis Batch: 38705

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			03/30/20 11:01	1
1,1,2,2-Tetrachloroethane	ND		0.080		ppb v/v			03/30/20 11:01	1
1,1,2-Trichloroethane	ND		0.080		ppb v/v			03/30/20 11:01	1
1,1-Dichloroethane	ND		0.080		ppb v/v			03/30/20 11:01	1
1,1-Dichloroethene	ND		0.040		ppb v/v			03/30/20 11:01	1
1,2,4-Trichlorobenzene	ND		0.080		ppb v/v			03/30/20 11:01	1
1,2,4-Trimethylbenzene	ND		0.080		ppb v/v			03/30/20 11:01	1
1,2-Dibromoethane	ND		0.080		ppb v/v			03/30/20 11:01	1
1,2-Dichlorobenzene	ND		0.080		ppb v/v			03/30/20 11:01	1
1,2-Dichloroethane	ND		0.080		ppb v/v			03/30/20 11:01	1
1,2-Dichloropropane	ND		0.080		ppb v/v			03/30/20 11:01	1
1,3,5-Trimethylbenzene	ND		0.080		ppb v/v			03/30/20 11:01	1
1,3-Butadiene	ND		0.16		ppb v/v			03/30/20 11:01	1

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

Lab Sample ID: MB 140-38705/4
Matrix: Air
Analysis Batch: 38705

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			03/30/20 11:01	1
1,4-Dichlorobenzene	ND		0.080		ppb v/v			03/30/20 11:01	1
1,4-Dioxane	ND		0.20		ppb v/v			03/30/20 11:01	1
2,2,4-Trimethylpentane	ND		0.20		ppb v/v			03/30/20 11:01	1
2-Butanone	ND		0.32		ppb v/v			03/30/20 11:01	1
2-Hexanone	ND		0.20		ppb v/v			03/30/20 11:01	1
2-Propanol	ND		0.80		ppb v/v			03/30/20 11:01	1
3-Chloropropene	ND		0.080		ppb v/v			03/30/20 11:01	1
4-Ethyltoluene	ND		0.16		ppb v/v			03/30/20 11:01	1
4-Methyl-2-pentanone (MIBK)	ND		0.20		ppb v/v			03/30/20 11:01	1
Acetone	ND		2.0		ppb v/v			03/30/20 11:01	1
alpha-Chlorotoluene	ND		0.16		ppb v/v			03/30/20 11:01	1
Benzene	ND		0.080		ppb v/v			03/30/20 11:01	1
Bromodichloromethane	ND		0.080		ppb v/v			03/30/20 11:01	1
Bromoform	ND		0.080		ppb v/v			03/30/20 11:01	1
Bromomethane	ND		0.080		ppb v/v			03/30/20 11:01	1
Carbon disulfide	ND		0.20		ppb v/v			03/30/20 11:01	1
Carbon tetrachloride	ND		0.032		ppb v/v			03/30/20 11:01	1
Chlorobenzene	ND		0.080		ppb v/v			03/30/20 11:01	1
Chloroethane	ND		0.080		ppb v/v			03/30/20 11:01	1
Chloroform	ND		0.080		ppb v/v			03/30/20 11:01	1
Chloromethane	ND		0.20		ppb v/v			03/30/20 11:01	1
cis-1,2-Dichloroethene	ND		0.040		ppb v/v			03/30/20 11:01	1
cis-1,3-Dichloropropene	ND		0.080		ppb v/v			03/30/20 11:01	1
Cumene	ND		0.16		ppb v/v			03/30/20 11:01	1
Cyclohexane	ND		0.20		ppb v/v			03/30/20 11:01	1
Dibromochloromethane	ND		0.080		ppb v/v			03/30/20 11:01	1
Ethanol	ND		2.0		ppb v/v			03/30/20 11:01	1
Ethylbenzene	ND		0.080		ppb v/v			03/30/20 11:01	1
Freon 11	ND		0.080		ppb v/v			03/30/20 11:01	1
Freon 113	ND		0.080		ppb v/v			03/30/20 11:01	1
Freon 12	ND		0.080		ppb v/v			03/30/20 11:01	1
Freon-114	ND		0.080		ppb v/v			03/30/20 11:01	1
Heptane	ND		0.20		ppb v/v			03/30/20 11:01	1
Hexachlorobutadiene	ND		0.080		ppb v/v			03/30/20 11:01	1
Hexane	ND		0.20		ppb v/v			03/30/20 11:01	1
Methyl tert-butyl ether	ND		0.16		ppb v/v			03/30/20 11:01	1
Methylene Chloride	ND		0.40		ppb v/v			03/30/20 11:01	1
m-Xylene & p-Xylene	ND		0.080		ppb v/v			03/30/20 11:01	1
o-Xylene	ND		0.080		ppb v/v			03/30/20 11:01	1
Propylbenzene	ND		0.16		ppb v/v			03/30/20 11:01	1
Styrene	ND		0.080		ppb v/v			03/30/20 11:01	1
Tetrachloroethene	ND		0.080		ppb v/v			03/30/20 11:01	1
Tetrahydrofuran	ND		0.40		ppb v/v			03/30/20 11:01	1
Toluene	ND		0.12		ppb v/v			03/30/20 11:01	1
trans-1,2-Dichloroethene	ND		0.080		ppb v/v			03/30/20 11:01	1
trans-1,3-Dichloropropene	ND		0.080		ppb v/v			03/30/20 11:01	1

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

Lab Sample ID: MB 140-38705/4
Matrix: Air
Analysis Batch: 38705

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			03/30/20 11:01	1
Vinyl chloride	ND		0.040		ppb v/v			03/30/20 11:01	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.44		ug/m3			03/30/20 11:01	1
1,1,2,2-Tetrachloroethane	ND		0.55		ug/m3			03/30/20 11:01	1
1,1,2-Trichloroethane	ND		0.44		ug/m3			03/30/20 11:01	1
1,1-Dichloroethane	ND		0.32		ug/m3			03/30/20 11:01	1
1,1-Dichloroethene	ND		0.16		ug/m3			03/30/20 11:01	1
1,2,4-Trichlorobenzene	ND		0.59		ug/m3			03/30/20 11:01	1
1,2,4-Trimethylbenzene	ND		0.39		ug/m3			03/30/20 11:01	1
1,2-Dibromoethane	ND		0.61		ug/m3			03/30/20 11:01	1
1,2-Dichlorobenzene	ND		0.48		ug/m3			03/30/20 11:01	1
1,2-Dichloroethane	ND		0.32		ug/m3			03/30/20 11:01	1
1,2-Dichloropropane	ND		0.37		ug/m3			03/30/20 11:01	1
1,3,5-Trimethylbenzene	ND		0.39		ug/m3			03/30/20 11:01	1
1,3-Butadiene	ND		0.35		ug/m3			03/30/20 11:01	1
1,3-Dichlorobenzene	ND		0.48		ug/m3			03/30/20 11:01	1
1,4-Dichlorobenzene	ND		0.48		ug/m3			03/30/20 11:01	1
1,4-Dioxane	ND		0.72		ug/m3			03/30/20 11:01	1
2,2,4-Trimethylpentane	ND		0.93		ug/m3			03/30/20 11:01	1
2-Butanone	ND		0.94		ug/m3			03/30/20 11:01	1
2-Hexanone	ND		0.82		ug/m3			03/30/20 11:01	1
2-Propanol	ND		2.0		ug/m3			03/30/20 11:01	1
3-Chloropropene	ND		0.25		ug/m3			03/30/20 11:01	1
4-Ethyltoluene	ND		0.79		ug/m3			03/30/20 11:01	1
4-Methyl-2-pentanone (MIBK)	ND		0.82		ug/m3			03/30/20 11:01	1
Acetone	ND		4.8		ug/m3			03/30/20 11:01	1
alpha-Chlorotoluene	ND		0.83		ug/m3			03/30/20 11:01	1
Benzene	ND		0.26		ug/m3			03/30/20 11:01	1
Bromodichloromethane	ND		0.54		ug/m3			03/30/20 11:01	1
Bromoform	ND		0.83		ug/m3			03/30/20 11:01	1
Bromomethane	ND		0.31		ug/m3			03/30/20 11:01	1
Carbon disulfide	ND		0.62		ug/m3			03/30/20 11:01	1
Carbon tetrachloride	ND		0.20		ug/m3			03/30/20 11:01	1
Chlorobenzene	ND		0.37		ug/m3			03/30/20 11:01	1
Chloroethane	ND		0.21		ug/m3			03/30/20 11:01	1
Chloroform	ND		0.39		ug/m3			03/30/20 11:01	1
Chloromethane	ND		0.41		ug/m3			03/30/20 11:01	1
cis-1,2-Dichloroethene	ND		0.16		ug/m3			03/30/20 11:01	1
cis-1,3-Dichloropropene	ND		0.36		ug/m3			03/30/20 11:01	1
Cumene	ND		0.79		ug/m3			03/30/20 11:01	1
Cyclohexane	ND		0.69		ug/m3			03/30/20 11:01	1
Dibromochloromethane	ND		0.68		ug/m3			03/30/20 11:01	1
Ethanol	ND		3.8		ug/m3			03/30/20 11:01	1
Ethylbenzene	ND		0.35		ug/m3			03/30/20 11:01	1
Freon 11	ND		0.45		ug/m3			03/30/20 11:01	1

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

Lab Sample ID: MB 140-38705/4
Matrix: Air
Analysis Batch: 38705

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			03/30/20 11:01	1
Freon 12	ND		0.40		ug/m3			03/30/20 11:01	1
Freon-114	ND		0.56		ug/m3			03/30/20 11:01	1
Heptane	ND		0.82		ug/m3			03/30/20 11:01	1
Hexachlorobutadiene	ND		0.85		ug/m3			03/30/20 11:01	1
Hexane	ND		0.70		ug/m3			03/30/20 11:01	1
Methyl tert-butyl ether	ND		0.58		ug/m3			03/30/20 11:01	1
Methylene Chloride	ND		1.4		ug/m3			03/30/20 11:01	1
m-Xylene & p-Xylene	ND		0.35		ug/m3			03/30/20 11:01	1
o-Xylene	ND		0.35		ug/m3			03/30/20 11:01	1
Propylbenzene	ND		0.79		ug/m3			03/30/20 11:01	1
Styrene	ND		0.34		ug/m3			03/30/20 11:01	1
Tetrachloroethene	ND		0.54		ug/m3			03/30/20 11:01	1
Tetrahydrofuran	ND		1.2		ug/m3			03/30/20 11:01	1
Toluene	ND		0.45		ug/m3			03/30/20 11:01	1
trans-1,2-Dichloroethene	ND		0.32		ug/m3			03/30/20 11:01	1
trans-1,3-Dichloropropene	ND		0.36		ug/m3			03/30/20 11:01	1
Trichloroethene	ND		0.19		ug/m3			03/30/20 11:01	1
Vinyl chloride	ND		0.10		ug/m3			03/30/20 11:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*60 - 140*		*03/30/20 11:01*	*1*

Lab Sample ID: LCS 140-38705/1002
Matrix: Air
Analysis Batch: 38705

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	1.00	1.04		ppb v/v		104	70 - 130
1,1,2,2-Tetrachloroethane	1.00	1.16		ppb v/v		116	70 - 130
1,1,2-Trichloroethane	1.00	1.09		ppb v/v		109	70 - 130
1,1-Dichloroethane	1.00	1.06		ppb v/v		106	70 - 130
1,1-Dichloroethene	1.00	1.00		ppb v/v		100	70 - 130
1,2,4-Trichlorobenzene	1.00	0.915		ppb v/v		92	60 - 140
1,2,4-Trimethylbenzene	1.00	1.13		ppb v/v		113	70 - 130
1,2-Dibromoethane	1.00	1.00		ppb v/v		100	70 - 130
1,2-Dichlorobenzene	1.00	1.14		ppb v/v		114	70 - 130
1,2-Dichloroethane	1.00	1.04		ppb v/v		104	70 - 130
1,2-Dichloropropane	1.00	1.06		ppb v/v		106	70 - 130
1,3,5-Trimethylbenzene	1.00	1.06		ppb v/v		106	70 - 130
1,3-Butadiene	1.00	1.19		ppb v/v		119	60 - 140
1,3-Dichlorobenzene	1.00	1.13		ppb v/v		113	70 - 130
1,4-Dichlorobenzene	1.00	1.09		ppb v/v		109	70 - 130
1,4-Dioxane	1.00	0.884		ppb v/v		88	60 - 140
2,2,4-Trimethylpentane	1.00	1.01		ppb v/v		101	70 - 130
2-Butanone	1.00	0.914		ppb v/v		91	60 - 140
2-Hexanone	1.00	0.959		ppb v/v		96	60 - 140

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

Lab Sample ID: LCS 140-38705/1002
Matrix: Air
Analysis Batch: 38705

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Propanol	3.00	2.83		ppb v/v		94	60 - 140
3-Chloropropene	1.00	1.07		ppb v/v		107	60 - 140
4-Ethyltoluene	1.00	1.06		ppb v/v		106	70 - 130
4-Methyl-2-pentanone (MIBK)	1.00	1.03		ppb v/v		103	60 - 140
Acetone	3.00	2.93		ppb v/v		98	60 - 140
alpha-Chlorotoluene	1.00	1.14		ppb v/v		114	70 - 130
Benzene	1.00	1.03		ppb v/v		103	70 - 130
Bromodichloromethane	1.00	1.05		ppb v/v		105	70 - 130
Bromoform	1.00	1.03		ppb v/v		103	60 - 140
Bromomethane	1.00	1.24		ppb v/v		124	70 - 130
Carbon disulfide	1.00	1.09		ppb v/v		109	70 - 130
Carbon tetrachloride	1.00	1.11		ppb v/v		111	70 - 130
Chlorobenzene	1.00	1.04		ppb v/v		104	70 - 130
Chloroethane	1.00	1.20		ppb v/v		120	70 - 130
Chloroform	1.00	1.06		ppb v/v		106	70 - 130
Chloromethane	1.00	1.31		ppb v/v		131	60 - 140
cis-1,2-Dichloroethene	1.00	1.02		ppb v/v		102	70 - 130
cis-1,3-Dichloropropene	1.00	1.01		ppb v/v		101	70 - 130
Cumene	1.00	1.07		ppb v/v		107	70 - 130
Cyclohexane	1.00	0.955		ppb v/v		96	70 - 130
Dibromochloromethane	1.00	1.07		ppb v/v		107	70 - 130
Ethanol	5.00	6.45		ppb v/v		129	60 - 140
Ethylbenzene	1.00	1.02		ppb v/v		102	70 - 130
Freon 11	1.00	1.13		ppb v/v		113	60 - 140
Freon 113	1.00	1.13		ppb v/v		113	70 - 130
Freon 12	1.00	1.21		ppb v/v		121	60 - 140
Freon-114	1.00	1.24		ppb v/v		124	60 - 140
Heptane	1.00	0.949		ppb v/v		95	70 - 130
Hexachlorobutadiene	1.00	1.05		ppb v/v		105	60 - 140
Hexane	1.00	1.04		ppb v/v		104	70 - 130
Methyl tert-butyl ether	1.00	1.05		ppb v/v		105	60 - 140
Methylene Chloride	1.00	1.15		ppb v/v		115	70 - 130
m-Xylene & p-Xylene	2.00	2.12		ppb v/v		106	70 - 130
o-Xylene	1.00	1.09		ppb v/v		109	70 - 130
Propylbenzene	1.00	1.02		ppb v/v		102	70 - 130
Styrene	1.00	1.06		ppb v/v		106	70 - 130
Tetrachloroethene	1.00	1.02		ppb v/v		102	70 - 130
Tetrahydrofuran	1.00	1.04		ppb v/v		104	60 - 140
Toluene	1.00	1.01		ppb v/v		101	70 - 130
trans-1,2-Dichloroethene	1.00	1.06		ppb v/v		106	70 - 130
trans-1,3-Dichloropropene	1.00	0.928		ppb v/v		93	70 - 130
Trichloroethene	1.00	0.985		ppb v/v		99	70 - 130
Vinyl chloride	1.00	1.20		ppb v/v		120	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	5.5	5.65		ug/m3		104	70 - 130
1,1,2,2-Tetrachloroethane	6.9	7.98		ug/m3		116	70 - 130

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

Lab Sample ID: LCS 140-38705/1002
Matrix: Air
Analysis Batch: 38705

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	5.5	5.94		ug/m3		109	70 - 130
1,1-Dichloroethane	4.0	4.31		ug/m3		106	70 - 130
1,1-Dichloroethene	4.0	3.97		ug/m3		100	70 - 130
1,2,4-Trichlorobenzene	7.4	6.79		ug/m3		92	60 - 140
1,2,4-Trimethylbenzene	4.9	5.55		ug/m3		113	70 - 130
1,2-Dibromoethane	7.7	7.71		ug/m3		100	70 - 130
1,2-Dichlorobenzene	6.0	6.83		ug/m3		114	70 - 130
1,2-Dichloroethane	4.0	4.21		ug/m3		104	70 - 130
1,2-Dichloropropane	4.6	4.88		ug/m3		106	70 - 130
1,3,5-Trimethylbenzene	4.9	5.19		ug/m3		106	70 - 130
1,3-Butadiene	2.2	2.62		ug/m3		119	60 - 140
1,3-Dichlorobenzene	6.0	6.77		ug/m3		113	70 - 130
1,4-Dichlorobenzene	6.0	6.53		ug/m3		109	70 - 130
1,4-Dioxane	3.6	3.18		ug/m3		88	60 - 140
2,2,4-Trimethylpentane	4.7	4.71		ug/m3		101	70 - 130
2-Butanone	2.9	2.70		ug/m3		91	60 - 140
2-Hexanone	4.1	3.93		ug/m3		96	60 - 140
2-Propanol	7.4	6.95		ug/m3		94	60 - 140
3-Chloropropene	3.1	3.36		ug/m3		107	60 - 140
4-Ethyltoluene	4.9	5.20		ug/m3		106	70 - 130
4-Methyl-2-pentanone (MIBK)	4.1	4.20		ug/m3		103	60 - 140
Acetone	7.1	6.95		ug/m3		98	60 - 140
alpha-Chlorotoluene	5.2	5.90		ug/m3		114	70 - 130
Benzene	3.2	3.28		ug/m3		103	70 - 130
Bromodichloromethane	6.7	7.07		ug/m3		105	70 - 130
Bromoform	10	10.7		ug/m3		103	60 - 140
Bromomethane	3.9	4.80		ug/m3		124	70 - 130
Carbon disulfide	3.1	3.40		ug/m3		109	70 - 130
Carbon tetrachloride	6.3	6.96		ug/m3		111	70 - 130
Chlorobenzene	4.6	4.79		ug/m3		104	70 - 130
Chloroethane	2.6	3.17		ug/m3		120	70 - 130
Chloroform	4.9	5.17		ug/m3		106	70 - 130
Chloromethane	2.1	2.71		ug/m3		131	60 - 140
cis-1,2-Dichloroethene	4.0	4.03		ug/m3		102	70 - 130
cis-1,3-Dichloropropene	4.5	4.57		ug/m3		101	70 - 130
Cumene	4.9	5.26		ug/m3		107	70 - 130
Cyclohexane	3.4	3.29		ug/m3		96	70 - 130
Dibromochloromethane	8.5	9.08		ug/m3		107	70 - 130
Ethanol	9.4	12.2		ug/m3		129	60 - 140
Ethylbenzene	4.3	4.45		ug/m3		102	70 - 130
Freon 11	5.6	6.35		ug/m3		113	60 - 140
Freon 113	7.7	8.67		ug/m3		113	70 - 130
Freon 12	4.9	5.97		ug/m3		121	60 - 140
Freon-114	7.0	8.66		ug/m3		124	60 - 140
Heptane	4.1	3.89		ug/m3		95	70 - 130
Hexachlorobutadiene	11	11.2		ug/m3		105	60 - 140
Hexane	3.5	3.67		ug/m3		104	70 - 130

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

Lab Sample ID: LCS 140-38705/1002
Matrix: Air
Analysis Batch: 38705

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	3.6	3.77		ug/m3		105	60 - 140
Methylene Chloride	3.5	4.01		ug/m3		115	70 - 130
m-Xylene & p-Xylene	8.7	9.22		ug/m3		106	70 - 130
o-Xylene	4.3	4.73		ug/m3		109	70 - 130
Propylbenzene	4.9	5.02		ug/m3		102	70 - 130
Styrene	4.3	4.53		ug/m3		106	70 - 130
Tetrachloroethene	6.8	6.93		ug/m3		102	70 - 130
Tetrahydrofuran	2.9	3.06		ug/m3		104	60 - 140
Toluene	3.8	3.80		ug/m3		101	70 - 130
trans-1,2-Dichloroethene	4.0	4.18		ug/m3		106	70 - 130
trans-1,3-Dichloropropene	4.5	4.21		ug/m3		93	70 - 130
Trichloroethene	5.4	5.29		ug/m3		99	70 - 130
Vinyl chloride	2.6	3.08		ug/m3		120	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*60 - 140*

QC Association Summary

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

Job ID: 140-18683-1

Air - GC/MS VOA

Analysis Batch: 38633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-18683-1	SVE INF	Total/NA	Air	TO 15 LL	
140-18683-2	SVE EFF	Total/NA	Air	TO 15 LL	
140-18683-3	OFFSITE DDC EFF	Total/NA	Air	TO 15 LL	
140-18683-4	OFFSITE DDC MID 2	Total/NA	Air	TO 15 LL	
140-18683-5	OFFSITE DDC INF	Total/NA	Air	TO 15 LL	
140-18683-6	OFFSITE DDC MID 1	Total/NA	Air	TO 15 LL	
MB 140-38633/4	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-38633/1002	Lab Control Sample	Total/NA	Air	TO 15 LL	

Analysis Batch: 38705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
140-18683-1 - DL	SVE INF	Total/NA	Air	TO 15 LL	
140-18683-3 - DL	OFFSITE DDC EFF	Total/NA	Air	TO 15 LL	
140-18683-5 - DL	OFFSITE DDC INF	Total/NA	Air	TO 15 LL	
MB 140-38705/4	Method Blank	Total/NA	Air	TO 15 LL	
LCS 140-38705/1002	Lab Control Sample	Total/NA	Air	TO 15 LL	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 140-18683-1
Project/Site: National Heatset #152140

Client Sample ID: SVE INF
Lab Sample ID: 140-18683-1
Date Collected: 03/24/20 15:04
Matrix: Air
Date Received: 03/26/20 09:50

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		26.36	11 mL	500 mL	38633	03/27/20 11:52	S1K	TAL KNX
	Instrument ID: MG									
Total/NA	Analysis	TO 15 LL	DL	81.58	10 mL	500 mL	38705	03/30/20 15:59	BRS	TAL KNX
	Instrument ID: MH									

Client Sample ID: SVE EFF
Lab Sample ID: 140-18683-2
Date Collected: 03/24/20 13:08
Matrix: Air
Date Received: 03/26/20 09:50

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		99.88	13 mL	500 mL	38633	03/27/20 14:44	S1K	TAL KNX
	Instrument ID: MG									

Client Sample ID: OFFSITE DDC EFF
Lab Sample ID: 140-18683-3
Date Collected: 03/24/20 12:44
Matrix: Air
Date Received: 03/26/20 09:50

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		15.42	100 mL	500 mL	38633	03/27/20 15:28	S1K	TAL KNX
	Instrument ID: MG									
Total/NA	Analysis	TO 15 LL	DL	55.27	10 mL	500 mL	38705	03/30/20 17:41	BRS	TAL KNX
	Instrument ID: MH									

Client Sample ID: OFFSITE DDC MID 2
Lab Sample ID: 140-18683-4
Date Collected: 03/24/20 12:41
Matrix: Air
Date Received: 03/26/20 09:50

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		13.29	13 mL	500 mL	38633	03/27/20 16:11	S1K	TAL KNX
	Instrument ID: MG									

Client Sample ID: OFFSITE DDC INF
Lab Sample ID: 140-18683-5
Date Collected: 03/24/20 12:40
Matrix: Air
Date Received: 03/26/20 09:50

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		36.6	20 mL	500 mL	38633	03/27/20 16:54	S1K	TAL KNX
	Instrument ID: MG									
Total/NA	Analysis	TO 15 LL	DL	36.6	10 mL	500 mL	38705	03/30/20 19:25	BRS	TAL KNX
	Instrument ID: MH									

Client Sample ID: OFFSITE DDC MID 1
Lab Sample ID: 140-18683-6
Date Collected: 03/24/20 12:36
Matrix: Air
Date Received: 03/26/20 09:50

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		5.57	11 mL	500 mL	38633	03/27/20 18:25	S1K	TAL KNX
	Instrument ID: MG									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-38633/4
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	38633	03/27/20 11:09	S1K	TAL KNX
	Instrument ID: MG									

Client Sample ID: Method Blank
Lab Sample ID: MB 140-38705/4
Date Collected: N/A
Matrix: Air
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO 15 LL		1	500 mL	500 mL	38705	03/30/20 11:01	BRS	TAL KNX
	Instrument ID: MH									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-38633/1002
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	38633	03/27/20 09:01	S1K	TAL KNX
	Instrument ID: MG									

Client Sample ID: Lab Control Sample
Lab Sample ID: LCS 140-38705/1002
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	38705	03/30/20 08:25	BRS	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: 140-18683-1
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	03-31-20

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: 140-18683-1

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: 140-18683-1
Project/Site: National Heatset #152140

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
140-18683-1	SVE INF	Air	03/24/20 15:04	03/26/20 09:50	Air Canister (6-Liter) #11177
140-18683-2	SVE EFF	Air	03/24/20 13:08	03/26/20 09:50	Air Canister (6-Liter) #09537
140-18683-3	OFFSITE DDC EFF	Air	03/24/20 12:44	03/26/20 09:50	Air Canister (6-Liter) #11978
140-18683-4	OFFSITE DDC MID 2	Air	03/24/20 12:41	03/26/20 09:50	Air Canister (6-Liter) #11961
140-18683-5	OFFSITE DDC INF	Air	03/24/20 12:40	03/26/20 09:50	Air Canister (6-Liter) #11960
140-18683-6	OFFSITE DDC MID 1	Air	03/24/20 12:36	03/26/20 09:50	Air Canister (6-Liter) #11471

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.: 140-18683-1

SDG No.:

Matrix: Air Level: Low

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

Client Sample ID	Lab Sample ID	BFB #
SVE INF	140-18683-1	96
SVE INF DL	140-18683-1 DL	95
SVE EFF	140-18683-2	94
OFFSITE DDC EFF	140-18683-3	106
OFFSITE DDC EFF DL	140-18683-3 DL	94
OFFSITE DDC MID 2	140-18683-4	100
OFFSITE DDC INF	140-18683-5	102
OFFSITE DDC INF DL	140-18683-5 DL	96
OFFSITE DDC MID 1	140-18683-6	96
	MB 140-38633/4	99
	MB 140-38705/4	95
	LCS 140-38633/1002	108
	LCS 140-38705/1002	106

	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.: 140-18683-1

SDG No.:

Matrix: Air Level: Low Lab File ID: GCCVC27-LCS.d

Lab ID: LCS 140-38633/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	2.00	2.22	111	70-130	
1,1,2,2-Tetrachloroethane	2.00	1.80	90	70-130	
1,1,2-Trichloroethane	2.00	1.85	92	70-130	
1,1-Dichloroethane	2.00	2.16	108	70-130	
1,1-Dichloroethene	2.00	2.05	103	70-130	
1,2,4-Trichlorobenzene	2.00	1.33	66	60-140	
1,2,4-Trimethylbenzene	2.00	1.61	80	70-130	
1,2-Dibromoethane	2.00	1.85	93	70-130	
1,2-Dichlorobenzene	2.00	1.58	79	70-130	
1,2-Dichloroethane	2.00	2.17	109	70-130	
1,2-Dichloropropane	2.00	1.84	92	70-130	
1,3,5-Trimethylbenzene	2.00	1.51	76	70-130	
1,3-Butadiene	2.00	2.36	118	60-140	
1,3-Dichlorobenzene	2.00	1.58	79	70-130	
1,4-Dichlorobenzene	2.00	1.55	78	70-130	
1,4-Dioxane	2.00	1.74	87	60-140	
2,2,4-Trimethylpentane	2.00	2.03	101	70-130	
2-Butanone	2.00	1.60	80	60-140	
2-Hexanone	2.00	1.66	83	60-140	
2-Propanol	6.00	6.24	104	60-140	
3-Chloropropene	2.00	2.37	118	60-140	
4-Ethyltoluene	2.00	1.68	84	70-130	
4-Methyl-2-pentanone (MIBK)	2.00	1.66	83	60-140	
Acetone	6.00	5.80	97	60-140	
alpha-Chlorotoluene	2.00	1.85	93	70-130	
Benzene	2.00	1.94	97	70-130	
Bromodichloromethane	2.00	2.20	110	70-130	
Bromoform	2.00	1.64	82	60-140	
Bromomethane	2.00	2.28	114	70-130	
Carbon disulfide	2.00	2.25	112	70-130	
Carbon tetrachloride	2.00	2.38	119	70-130	
Chlorobenzene	2.00	1.63	81	70-130	
Chloroethane	2.00	2.30	115	70-130	
Chloroform	2.00	2.18	109	70-130	
Chloromethane	2.00	2.38	119	60-140	
cis-1,2-Dichloroethene	2.00	2.03	101	70-130	
cis-1,3-Dichloropropene	2.00	1.88	94	70-130	
Cumene	2.00	1.70	85	70-130	
Cyclohexane	2.00	2.09	105	70-130	
Dibromochloromethane	2.00	1.98	99	70-130	
Ethanol	10.0	11.3	113	60-140	
Ethylbenzene	2.00	1.67	83	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.: 140-18683-1

SDG No.:

Matrix: Air Level: Low Lab File ID: GCCVC27-LCS.d

Lab ID: LCS 140-38633/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 11	2.00	2.58	129	60-140	
Freon 113	2.00	2.16	108	70-130	
Freon 12	2.00	2.48	124	60-140	
Freon-114	2.00	2.18	109	60-140	
Heptane	2.00	2.00	100	70-130	
Hexachlorobutadiene	2.00	1.31	66	60-140	
Hexane	2.00	2.12	106	70-130	
Methyl tert-butyl ether	2.00	1.85	92	60-140	
Methylene Chloride	2.00	2.29	115	70-130	
m-Xylene & p-Xylene	4.00	3.46	86	70-130	
o-Xylene	2.00	1.80	90	70-130	
Propylbenzene	2.00	1.50	75	70-130	
Styrene	2.00	1.54	77	70-130	
Tetrachloroethene	2.00	1.82	91	70-130	
Tetrahydrofuran	2.00	1.72	86	60-140	
Toluene	2.00	1.79	89	70-130	
trans-1,2-Dichloroethene	2.00	2.14	107	70-130	
trans-1,3-Dichloropropene	2.00	1.79	90	70-130	
Trichloroethene	2.00	1.87	94	70-130	
Vinyl chloride	2.00	2.29	114	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.: 140-18683-1

SDG No.:

Matrix: Air Level: Low Lab File ID: HCCVC30-LCS.d

Lab ID: LCS 140-38705/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	1.00	1.04	104	70-130	
1,1,2,2-Tetrachloroethane	1.00	1.16	116	70-130	
1,1,2-Trichloroethane	1.00	1.09	109	70-130	
1,1-Dichloroethane	1.00	1.06	106	70-130	
1,1-Dichloroethene	1.00	1.00	100	70-130	
1,2,4-Trichlorobenzene	1.00	0.915	92	60-140	
1,2,4-Trimethylbenzene	1.00	1.13	113	70-130	
1,2-Dibromoethane	1.00	1.00	100	70-130	
1,2-Dichlorobenzene	1.00	1.14	114	70-130	
1,2-Dichloroethane	1.00	1.04	104	70-130	
1,2-Dichloropropane	1.00	1.06	106	70-130	
1,3,5-Trimethylbenzene	1.00	1.06	106	70-130	
1,3-Butadiene	1.00	1.19	119	60-140	
1,3-Dichlorobenzene	1.00	1.13	113	70-130	
1,4-Dichlorobenzene	1.00	1.09	109	70-130	
1,4-Dioxane	1.00	0.884	88	60-140	
2,2,4-Trimethylpentane	1.00	1.01	101	70-130	
2-Butanone	1.00	0.914	91	60-140	
2-Hexanone	1.00	0.959	96	60-140	
2-Propanol	3.00	2.83	94	60-140	
3-Chloropropene	1.00	1.07	107	60-140	
4-Ethyltoluene	1.00	1.06	106	70-130	
4-Methyl-2-pentanone (MIBK)	1.00	1.03	103	60-140	
Acetone	3.00	2.93	98	60-140	
alpha-Chlorotoluene	1.00	1.14	114	70-130	
Benzene	1.00	1.03	103	70-130	
Bromodichloromethane	1.00	1.05	105	70-130	
Bromoform	1.00	1.03	103	60-140	
Bromomethane	1.00	1.24	124	70-130	
Carbon disulfide	1.00	1.09	109	70-130	
Carbon tetrachloride	1.00	1.11	111	70-130	
Chlorobenzene	1.00	1.04	104	70-130	
Chloroethane	1.00	1.20	120	70-130	
Chloroform	1.00	1.06	106	70-130	
Chloromethane	1.00	1.31	131	60-140	
cis-1,2-Dichloroethene	1.00	1.02	102	70-130	
cis-1,3-Dichloropropene	1.00	1.01	101	70-130	
Cumene	1.00	1.07	107	70-130	
Cyclohexane	1.00	0.955	96	70-130	
Dibromochloromethane	1.00	1.07	107	70-130	
Ethanol	5.00	6.45	129	60-140	
Ethylbenzene	1.00	1.02	102	70-130	

Column to be used to flag recovery and RPD values

FORM III TO 15 LL

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Matrix: Air Level: Low Lab File ID: HCCVC30-LCS.d

Lab ID: LCS 140-38705/1002 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Freon 11	1.00	1.13	113	60-140	
Freon 113	1.00	1.13	113	70-130	
Freon 12	1.00	1.21	121	60-140	
Freon-114	1.00	1.24	124	60-140	
Heptane	1.00	0.949	95	70-130	
Hexachlorobutadiene	1.00	1.05	105	60-140	
Hexane	1.00	1.04	104	70-130	
Methyl tert-butyl ether	1.00	1.05	105	60-140	
Methylene Chloride	1.00	1.15	115	70-130	
m-Xylene & p-Xylene	2.00	2.12	106	70-130	
o-Xylene	1.00	1.09	109	70-130	
Propylbenzene	1.00	1.02	102	70-130	
Styrene	1.00	1.06	106	70-130	
Tetrachloroethene	1.00	1.02	102	70-130	
Tetrahydrofuran	1.00	1.04	104	60-140	
Toluene	1.00	1.01	101	70-130	
trans-1,2-Dichloroethene	1.00	1.06	106	70-130	
trans-1,3-Dichloropropene	1.00	0.928	93	70-130	
Trichloroethene	1.00	0.985	99	70-130	
Vinyl chloride	1.00	1.20	120	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.: 140-18683-1

SDG No.:

Lab File ID: G500BC27.D Lab Sample ID: MB 140-38633/4

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

Instrument ID: MG Date Analyzed: 03/27/2020 11:09

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 140-38633/1002	GCCVC27-LCS.d	03/27/2020 09:01
SVE INF	140-18683-1	GC27P101.D	03/27/2020 11:52
SVE EFF	140-18683-2	GC27P201.D	03/27/2020 14:44
OFFSITE DDC EFF	140-18683-3	GC27P202.D	03/27/2020 15:28
OFFSITE DDC MID 2	140-18683-4	GC27P103.D	03/27/2020 16:11
OFFSITE DDC INF	140-18683-5	GC27P104D.D	03/27/2020 16:54
OFFSITE DDC MID 1	140-18683-6	GC27P105.D	03/27/2020 18:25

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Lab File ID: H500BC30.D Lab Sample ID: MB 140-38705/4

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

Instrument ID: MH Date Analyzed: 03/30/2020 11:01

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 140-38705/1002	HCCVC30-LCS.d	03/30/2020 08:25
SVE INF DL	140-18683-1 DL	HC30P103.D	03/30/2020 15:59
OFFSITE DDC EFF DL	140-18683-3 DL	HC30P105.D	03/30/2020 17:41
OFFSITE DDC INF DL	140-18683-5 DL	HC30P107.D	03/30/2020 19:25

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Lab File ID: GBFBC12.D BFB Injection Date: 03/12/2020

Instrument ID: MG BFB Injection Time: 14:39

Analysis Batch No.: 38280

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.6	
75	30.0 - 60.0 % of mass 95	50.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.4	(0.5) 1
174	50.0 - 120.00 % of mass 95	83.8	
175	5.0 - 9.0 % of mass 174	5.8	(6.9) 1
176	95.0 - 101.0 % of mass 174	81.2	(97.0) 1
177	5.0 - 9.0 % of mass 176	5.2	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 140-38280/3	GC12IC01.D	03/12/2020	15:46
	IC 140-38280/4	GC12IC02.D	03/12/2020	16:29
	IC 140-38280/5	GC12IC03.D	03/12/2020	17:13
	IC 140-38280/6	GC12IC04.D	03/12/2020	17:59
	IC 140-38280/7	GC12IC05.D	03/12/2020	18:46
	IC 140-38280/8	GC12IC06.D	03/12/2020	19:34
	ICIS 140-38280/9	GC12IC07.D	03/12/2020	20:18
	IC 140-38280/11	GC12IC08.D	03/12/2020	21:47
	IC 140-38280/13	GC12IC09.D	03/12/2020	23:15
	IC 140-38280/15	GC12IC10.D	03/13/2020	00:45
	ICV 140-38280/19	GC12LCS.D	03/13/2020	03:29

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Lab File ID: GBFBC27.D BFB Injection Date: 03/27/2020

Instrument ID: MG BFB Injection Time: 08:24

Analysis Batch No.: 38633

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	55.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.4	(0.5) 1
174	50.0 - 120.00 % of mass 95	73.4	
175	5.0 - 9.0 % of mass 174	5.1	(7.0) 1
176	95.0 - 101.0 % of mass 174	70.8	(96.5) 1
177	5.0 - 9.0 % of mass 176	4.5	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 140-38633/2	GCCVC27.D	03/27/2020	09:01
	LCS 140-38633/1002	GCCVC27-LCS.d	03/27/2020	09:01
	MB 140-38633/4	G500BC27.D	03/27/2020	11:09
SVE INF	140-18683-1	GC27P101.D	03/27/2020	11:52
SVE EFF	140-18683-2	GC27P201.D	03/27/2020	14:44
OFFSITE DDC EFF	140-18683-3	GC27P202.D	03/27/2020	15:28
OFFSITE DDC MID 2	140-18683-4	GC27P103.D	03/27/2020	16:11
OFFSITE DDC INF	140-18683-5	GC27P104D.D	03/27/2020	16:54
OFFSITE DDC MID 1	140-18683-6	GC27P105.D	03/27/2020	18:25

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Lab File ID: HC18BFBIC.D BFB Injection Date: 03/18/2020

Instrument ID: MH BFB Injection Time: 01:37

Analysis Batch No.: 38415

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.2	
75	30.0 - 60.0 % of mass 95	46.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.4	(0.5) 1
174	50.0 - 120.00 % of mass 95	83.5	
175	5.0 - 9.0 % of mass 174	5.9	(7.0) 1
176	95.0 - 101.0 % of mass 174	81.3	(97.3) 1
177	5.0 - 9.0 % of mass 176	5.3	(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 140-38415/3	HC18IC01A.D	03/18/2020	02:32
	IC 140-38415/4	HC18IC02A.D	03/18/2020	03:25
	IC 140-38415/5	HC18IC03.D	03/18/2020	04:18
	IC 140-38415/6	HC18IC04.D	03/18/2020	05:12
	IC 140-38415/7	HC18IC05.D	03/18/2020	06:05
	IC 140-38415/8	HC18IC06.D	03/18/2020	06:58
	ICIS 140-38415/9	HC18IC07.D	03/18/2020	07:51
	IC 140-38415/11	HC18IC08.D	03/18/2020	09:37
	IC 140-38415/13	HC18IC09.D	03/18/2020	10:30
	IC 140-38415/15	HC18IC10.D	03/18/2020	11:50
	ICV 140-38415/18	HC18LCS.D	03/18/2020	14:14

FORM V
AIR - GC/MS VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Lab File ID: HBFBC30.D BFB Injection Date: 03/30/2020

Instrument ID: MH BFB Injection Time: 07:58

Analysis Batch No.: 38705

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.1	
75	30.0 - 60.0 % of mass 95	49.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.4	(0.5) 1
174	50.0 - 120.00 % of mass 95	76.5	
175	5.0 - 9.0 % of mass 174	5.5	(7.1) 1
176	95.0 - 101.0 % of mass 174	74.4	(97.2) 1
177	5.0 - 9.0 % of mass 176	4.8	(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
	CCVIS 140-38705/2	HCCVC30.D	03/30/2020	08:25
	LCS 140-38705/1002	HCCVC30-LCS.d	03/30/2020	08:25
	MB 140-38705/4	H500BC30.D	03/30/2020	11:01
SVE INF DL	140-18683-1 DL	HC30P103.D	03/30/2020	15:59
OFFSITE DDC EFF DL	140-18683-3 DL	HC30P105.D	03/30/2020	17:41
OFFSITE DDC INF DL	140-18683-5 DL	HC30P107.D	03/30/2020	19:25

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Sample No.: ICIS 140-38280/9 Date Analyzed: 03/12/2020 20:18

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

Lab File ID (Standard): GC12IC07.D Heated Purge: (Y/N) N

Calibration ID: 2346

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		391907	8.89	2770329	11.08	2456570	15.79
UPPER LIMIT		548670	9.22	3878461	11.41	3439198	16.12
LOWER LIMIT		235144	8.56	1662197	10.75	1473942	15.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 140-38280/19		349688	8.89	2416301	11.08	2136803	15.79

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.: 140-18683-1

SDG No.:

Sample No.: CCVIS 140-38633/2 Date Analyzed: 03/27/2020 09:01

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

Lab File ID (Standard): GCCVC27.D Heated Purge: (Y/N) N

Calibration ID: 2346

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		217178	8.89	1522353	11.08	1329759	15.79
UPPER LIMIT		304049	9.22	2131294	11.41	1861663	16.12
LOWER LIMIT		130307	8.56	913412	10.75	797855	15.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 140-38633/1002		217178	8.89	1522353	11.08	1329759	15.79
MB 140-38633/4		243978	8.89	1782739	11.07	1559524	15.79
140-18683-1	SVE INF	222883	8.89	1581753	11.07	1382501	15.78
140-18683-2	SVE EFF	216749	8.88	1521250	11.07	1315064	15.79
140-18683-3	OFFSITE DDC EFF	216262	8.90	1564341	11.07	1360060	15.79
140-18683-4	OFFSITE DDC MID 2	205849	8.90	1501345	11.08	1275048	15.79
140-18683-5	OFFSITE DDC INF	211955	8.89	1486684	11.07	1343051	15.79
140-18683-6	OFFSITE DDC MID 1	240772	8.90	1788917	11.08	1514357	15.79

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.: 140-18683-1

SDG No.:

Sample No.: ICIS 140-38415/9 Date Analyzed: 03/18/2020 07:51

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

Lab File ID (Standard): HC18IC07.D Heated Purge: (Y/N) N

Calibration ID: 2359

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		229277	8.59	1521126	10.79	1261287	15.58
UPPER LIMIT		320988	8.92	2129576	11.12	1765802	15.91
LOWER LIMIT		137566	8.26	912676	10.46	756772	15.25
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 140-38415/18		252874	8.59	1669398	10.79	1367745	15.58

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.: 140-18683-1

SDG No.:

Sample No.: CCVIS 140-38705/2 Date Analyzed: 03/30/2020 08:25

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

Lab File ID (Standard): HCCVC30.D Heated Purge: (Y/N) N

Calibration ID: 2359

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		104310	8.59	711171	10.79	586061	15.58
UPPER LIMIT		146034	8.92	995639	11.12	820485	15.91
LOWER LIMIT		62586	8.26	426703	10.46	351637	15.25
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 140-38705/1002		104310	8.59	711171	10.79	586061	15.58
MB 140-38705/4		112840	8.58	772747	10.78	593390	15.57
140-18683-1 DL	SVE INF DL	124954	8.59	835590	10.79	643342	15.58
140-18683-3 DL	OFFSITE DDC EFF DL	105717	8.59	705350	10.79	551141	15.58
140-18683-5 DL	OFFSITE DDC INF DL	103693	8.59	693560	10.79	542583	15.58

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.: 140-18683-1

SDG No.:

Client Sample ID: SVE INF Lab Sample ID: 140-18683-1

Matrix: Air Lab File ID: GC27P101.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 15:04

Sample wt/vol: 11(mL) Date Analyzed: 03/27/2020 11:52

Soil Aliquot Vol: Dilution Factor: 26.36

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		96	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		96	
79-00-5	1,1,2-Trichloroethane	133.41	ND		96	
75-34-3	1,1-Dichloroethane	98.96	ND		96	
75-35-4	1,1-Dichloroethene	96.94	ND		48	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		96	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		96	
106-93-4	1,2-Dibromoethane	187.87	ND		96	
95-50-1	1,2-Dichlorobenzene	147.00	ND		96	
107-06-2	1,2-Dichloroethane	98.96	ND		96	
78-87-5	1,2-Dichloropropane	112.99	ND		96	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		96	
106-99-0	1,3-Butadiene	54.09	ND		190	
541-73-1	1,3-Dichlorobenzene	147.00	ND		96	
106-46-7	1,4-Dichlorobenzene	147.00	ND		96	
123-91-1	1,4-Dioxane	88.11	ND		240	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		240	
78-93-3	2-Butanone	72.11	2200		380	
591-78-6	2-Hexanone	100.20	ND		240	
67-63-0	2-Propanol	60.10	ND		960	
107-05-1	3-Chloropropene	76.53	ND		96	
622-96-8	4-Ethyltoluene	120.20	ND		190	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		240	
67-64-1	Acetone	58.08	ND		2400	
100-44-7	alpha-Chlorotoluene	126.58	ND		190	
71-43-2	Benzene	78.11	ND		96	
75-27-4	Bromodichloromethane	163.83	ND		96	
75-25-2	Bromoform	252.75	ND		96	
74-83-9	Bromomethane	94.94	ND		96	
75-15-0	Carbon disulfide	76.14	ND		240	
56-23-5	Carbon tetrachloride	153.81	ND		38	
108-90-7	Chlorobenzene	112.56	ND		96	
75-00-3	Chloroethane	64.52	ND		96	
67-66-3	Chloroform	119.38	ND		96	
74-87-3	Chloromethane	50.49	ND		240	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: SVE INF Lab Sample ID: 140-18683-1

Matrix: Air Lab File ID: GC27P101.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 15:04

Sample wt/vol: 11(mL) Date Analyzed: 03/27/2020 11:52

Soil Aliquot Vol: Dilution Factor: 26.36

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		48	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		96	
98-82-8	Cumene	120.19	ND		190	
110-82-7	Cyclohexane	84.16	ND		240	
124-48-1	Dibromochloromethane	208.29	ND		96	
64-17-5	Ethanol	46.07	ND		2400	
100-41-4	Ethylbenzene	106.17	ND		96	
75-69-4	Freon 11	137.37	ND		96	
76-13-1	Freon 113	187.38	ND		96	
75-71-8	Freon 12	120.91	ND		96	
76-14-2	Freon-114	170.92	ND		96	
142-82-5	Heptane	100.21	ND		240	
87-68-3	Hexachlorobutadiene	260.76	ND		96	
110-54-3	Hexane	86.17	ND		240	
1634-04-4	Methyl tert-butyl ether	88.15	ND		190	
75-09-2	Methylene Chloride	84.93	ND		480	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		96	
95-47-6	o-Xylene	106.17	ND		96	
103-65-1	Propylbenzene	120.19	ND		190	
100-42-5	Styrene	104.15	ND		96	
127-18-4	Tetrachloroethene	165.83	ND		96	
109-99-9	*Tetrahydrofuran*	*72.11*	*22000*	*E*	*480*	
108-88-3	Toluene	92.14	ND		140	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		96	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		96	
79-01-6	Trichloroethene	131.39	ND		43	
75-01-4	Vinyl chloride	62.50	ND		48	

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.: 140-18683-1

SDG No.:

Client Sample ID: SVE INF Lab Sample ID: 140-18683-1

Matrix: Air Lab File ID: GC27P101.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 15:04

Sample wt/vol: 11(mL) Date Analyzed: 03/27/2020 11:52

Soil Aliquot Vol: Dilution Factor: 26.36

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		520	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		660	
79-00-5	1,1,2-Trichloroethane	133.41	ND		520	
75-34-3	1,1-Dichloroethane	98.96	ND		390	
75-35-4	1,1-Dichloroethene	96.94	ND		190	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		710	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		470	
106-93-4	1,2-Dibromoethane	187.87	ND		740	
95-50-1	1,2-Dichlorobenzene	147.00	ND		580	
107-06-2	1,2-Dichloroethane	98.96	ND		390	
78-87-5	1,2-Dichloropropane	112.99	ND		440	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		470	
106-99-0	1,3-Butadiene	54.09	ND		420	
541-73-1	1,3-Dichlorobenzene	147.00	ND		580	
106-46-7	1,4-Dichlorobenzene	147.00	ND		580	
123-91-1	1,4-Dioxane	88.11	ND		860	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		1100	
78-93-3	2-Butanone	72.11	6400		1100	
591-78-6	2-Hexanone	100.20	ND		980	
67-63-0	2-Propanol	60.10	ND		2400	
107-05-1	3-Chloropropene	76.53	ND		300	
622-96-8	4-Ethyltoluene	120.20	ND		940	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		980	
67-64-1	Acetone	58.08	ND		5700	
100-44-7	alpha-Chlorotoluene	126.58	ND		990	
71-43-2	Benzene	78.11	ND		310	
75-27-4	Bromodichloromethane	163.83	ND		640	
75-25-2	Bromoform	252.75	ND		990	
74-83-9	Bromomethane	94.94	ND		370	
75-15-0	Carbon disulfide	76.14	ND		750	
56-23-5	Carbon tetrachloride	153.81	ND		240	
108-90-7	Chlorobenzene	112.56	ND		440	
75-00-3	Chloroethane	64.52	ND		250	
67-66-3	Chloroform	119.38	ND		470	
74-87-3	Chloromethane	50.49	ND		490	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: SVE INF Lab Sample ID: 140-18683-1

Matrix: Air Lab File ID: GC27P101.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 15:04

Sample wt/vol: 11(mL) Date Analyzed: 03/27/2020 11:52

Soil Aliquot Vol: Dilution Factor: 26.36

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		190	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		440	
98-82-8	Cumene	120.19	ND		940	
110-82-7	Cyclohexane	84.16	ND		820	
124-48-1	Dibromochloromethane	208.29	ND		820	
64-17-5	Ethanol	46.07	ND		4500	
100-41-4	Ethylbenzene	106.17	ND		420	
75-69-4	Freon 11	137.37	ND		540	
76-13-1	Freon 113	187.38	ND		730	
75-71-8	Freon 12	120.91	ND		470	
76-14-2	Freon-114	170.92	ND		670	
142-82-5	Heptane	100.21	ND		980	
87-68-3	Hexachlorobutadiene	260.76	ND		1000	
110-54-3	Hexane	86.17	ND		840	
1634-04-4	Methyl tert-butyl ether	88.15	ND		690	
75-09-2	Methylene Chloride	84.93	ND		1700	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		420	
95-47-6	o-Xylene	106.17	ND		420	
103-65-1	Propylbenzene	120.19	ND		940	
100-42-5	Styrene	104.15	ND		410	
127-18-4	Tetrachloroethene	165.83	ND		650	
109-99-9	*Tetrahydrofuran*	*72.11*	*64000*	*E*	*1400*	
108-88-3	Toluene	92.14	ND		540	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		380	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		440	
79-01-6	Trichloroethene	131.39	ND		230	
75-01-4	Vinyl chloride	62.50	ND		120	

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

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P101.D				
Lims ID:	140-18683-A-1				
Client ID:	SVE INF				
Sample Type:	Client				
Inject. Date:	27-Mar-2020 11:52:30	ALS Bottle#:	1	Worklist Smp#:	5
Purge Vol:	500.000 mL	Dil. Factor:	26.3600		
Sample Info:	140-0015043-005				
Misc. Info.:	140-18683-a-1@26.36				
Operator ID:	7126	Instrument ID:	MG		
Method:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	30-Mar-2020 09:49:22	Calib Date:	13-Mar-2020 00:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0312				
First Level Reviewer: khachitpongpanits		Date:	30-Mar-2020 09:55:38		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.887	8.892	-0.005	93	222883	4.00	
* 2 1,4-Difluorobenzene	114	11.065	11.076	-0.011	95	1581753	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.784	15.789	-0.005	90	1382501	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.423	17.428	-0.005	81	951772	3.85	
39 2-Butanone (MEK)	72	8.132	8.132	0.000	100	60419	1.82	
40 Hexane	56	8.126	8.149	-0.027	41	896	0.0153	
46 Tetrahydrofuran	42	9.291	9.318	-0.027	90	1295565	18.2	E

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

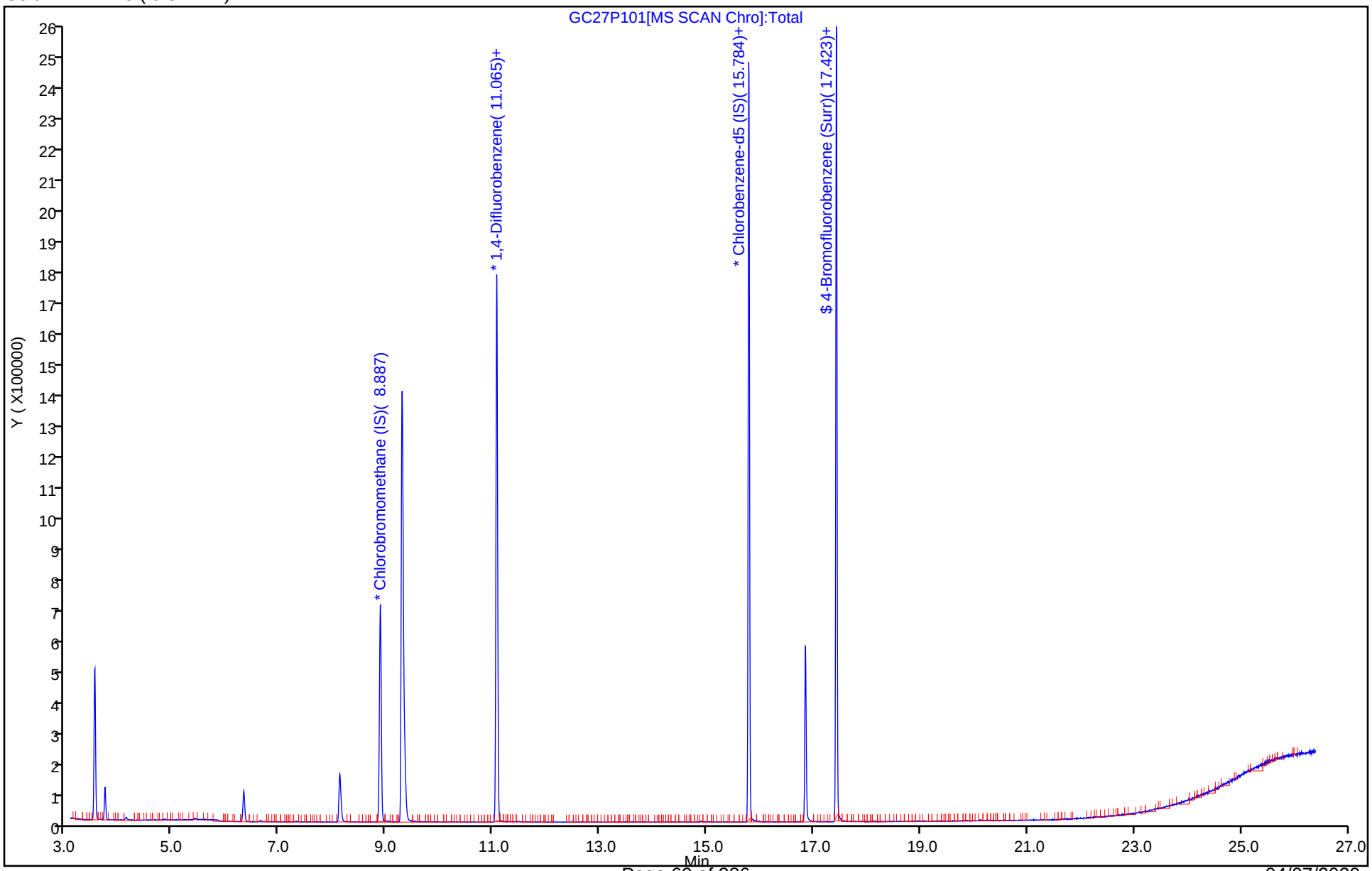
Report Date: 30-Mar-2020 09:55:40 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P101.D

Injection Date:	27-Mar-2020 11:52:30	Instrument ID:	MG	Operator ID:	7126
Lims ID:	140-18683-A-1	Lab Sample ID:	140-18683-1	Worklist Smp#:	5
Client ID:	SVE INF				
Purge Vol:	500.000 mL	Dil. Factor:	26.3600	ALS Bottle#:	1
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P101.D				
Lims ID:	140-18683-A-1				
Client ID:	SVE INF				
Sample Type:	Client				
Inject. Date:	27-Mar-2020 11:52:30	ALS Bottle#:	1	Worklist Smp#:	5
Purge Vol:	500.000 mL	Dil. Factor:	26.3600		
Sample Info:	140-0015043-005				
Misc. Info.:	140-18683-a-1@26.36				
Operator ID:	7126	Instrument ID:	MG		
Method:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	30-Mar-2020 09:49:22	Calib Date:	13-Mar-2020 00:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0312				
First Level Reviewer: khachitpongpanits		Date:	30-Mar-2020 09:55:38		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.85	96.24

Report Date: 30-Mar-2020 09:55:40 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P101.D

Injection Date: 27-Mar-2020 11:52:30 Instrument ID: MG

Lims ID: 140-18683-A-1 Lab Sample ID: 140-18683-1

Client ID: SVE INF

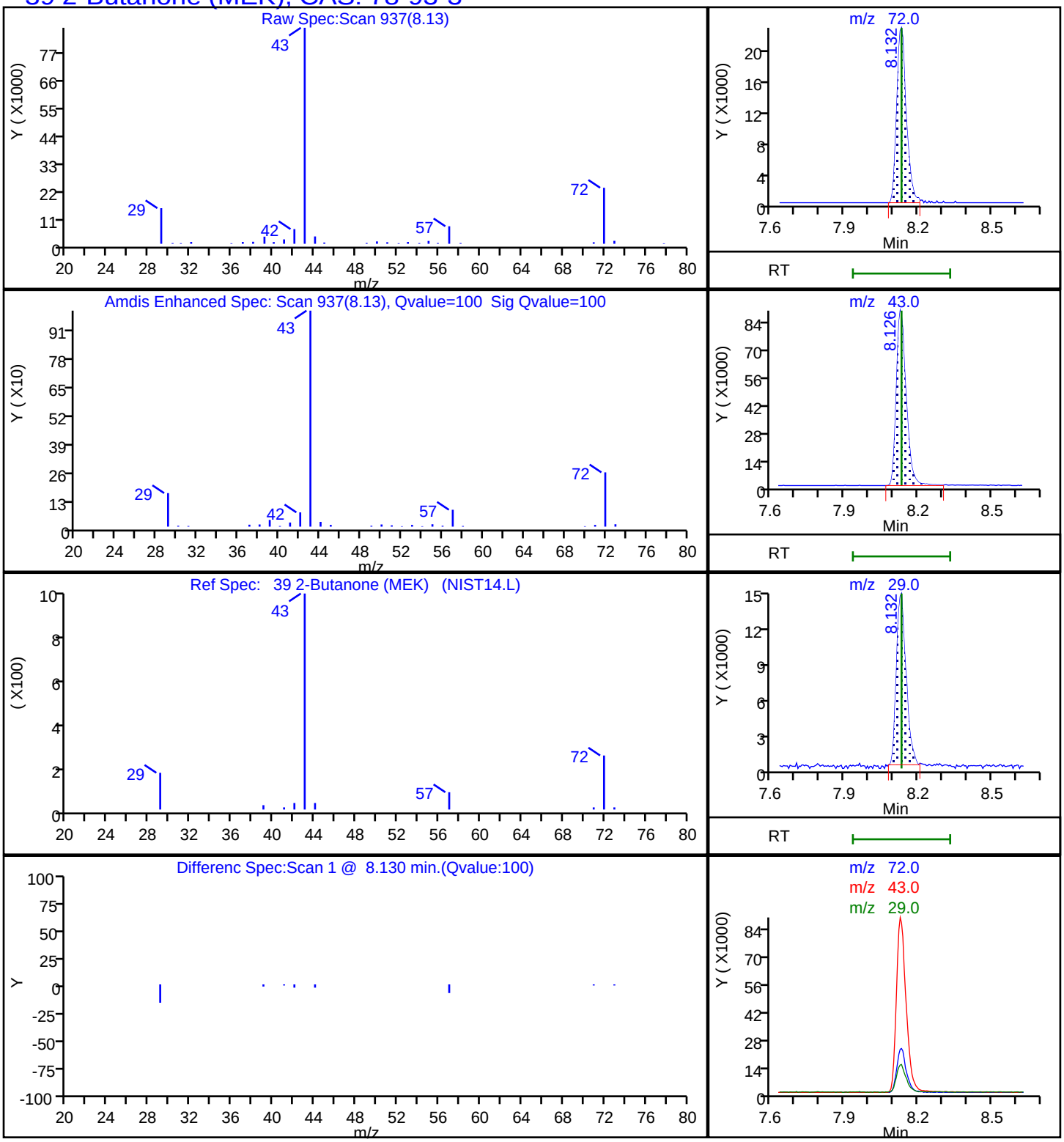
Operator ID: 7126 ALS Bottle#: 1 Worklist Smp#: 5

Purge Vol: 500.000 mL Dil. Factor: 26.3600

Method: MG_TO15 Limit Group: MSA TO14A_15 Routine ICAL

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

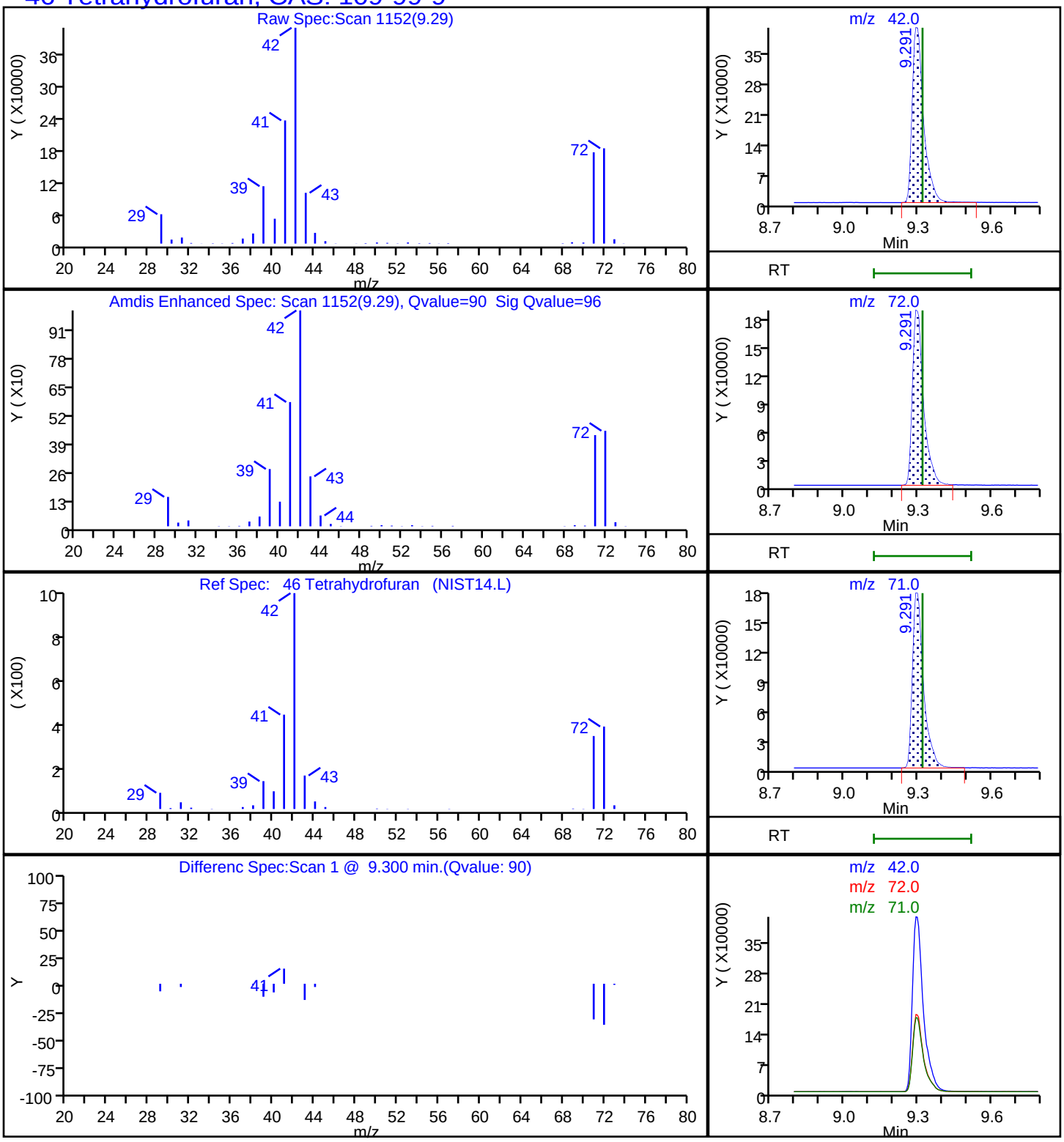
39 2-Butanone (MEK), CAS: 78-93-3



Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P101.D		
Injection Date:	27-Mar-2020 11:52:30	Instrument ID:	MG
Lims ID:	140-18683-A-1	Lab Sample ID:	140-18683-1
Client ID:	SVE INF		
Operator ID:	7126	ALS Bottle#:	1 Worklist Smp#: 5
Purge Vol:	500.000 mL	Dil. Factor:	26.3600
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

46 Tetrahydrofuran, CAS: 109-99-9



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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: SVE INF DL Lab Sample ID: 140-18683-1 DL

Matrix: Air Lab File ID: HC30P103.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 15:04

Sample wt/vol: 10(mL) Date Analyzed: 03/30/2020 15:59

Soil Aliquot Vol: Dilution Factor: 81.58

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38705 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
109-99-9	Tetrahydrofuran	72.11	28000		1600	

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.: 140-18683-1

SDG No.:

Client Sample ID: SVE INF DL Lab Sample ID: 140-18683-1 DL

Matrix: Air Lab File ID: HC30P103.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 15:04

Sample wt/vol: 10(mL) Date Analyzed: 03/30/2020 15:59

Soil Aliquot Vol: Dilution Factor: 81.58

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38705 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
109-99-9	Tetrahydrofuran	72.11	81000		4800	

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

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\HC30P103.D
Lims ID: 140-18683-A-1
Client ID: SVE INF
Sample Type: Client
Inject. Date: 30-Mar-2020 15:59:30 ALS Bottle#: 3 Worklist Smp#: 9
Purge Vol: 500.000 mL Dil. Factor: 81.5800
Sample Info: 140-0015074-009
Misc. Info.: 140-18683-a-1@81.58
Operator ID: HMT Instrument ID: MH

Method: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 31-Mar-2020 13:14:09 Calib Date: 18-Mar-2020 11:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0306

First Level Reviewer: smelcerb Date: 31-Mar-2020 10:16:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.587	8.587	0.000	97	124954	4.00	
* 2 1,4-Difluorobenzene	114	10.789	10.794	-0.005	96	835590	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.575	0.000	90	643342	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.224	17.244	-0.020	89	414808	3.80	
17 Ethanol	31	4.571	4.587	0.005	86	1914	0.1053	7M
39 2-Butanone (MEK)	72	7.828	7.828	0.000	98	19888	0.6859	
46 Tetrahydrofuran	42	8.985	9.001	-0.016	94	427825	6.77	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

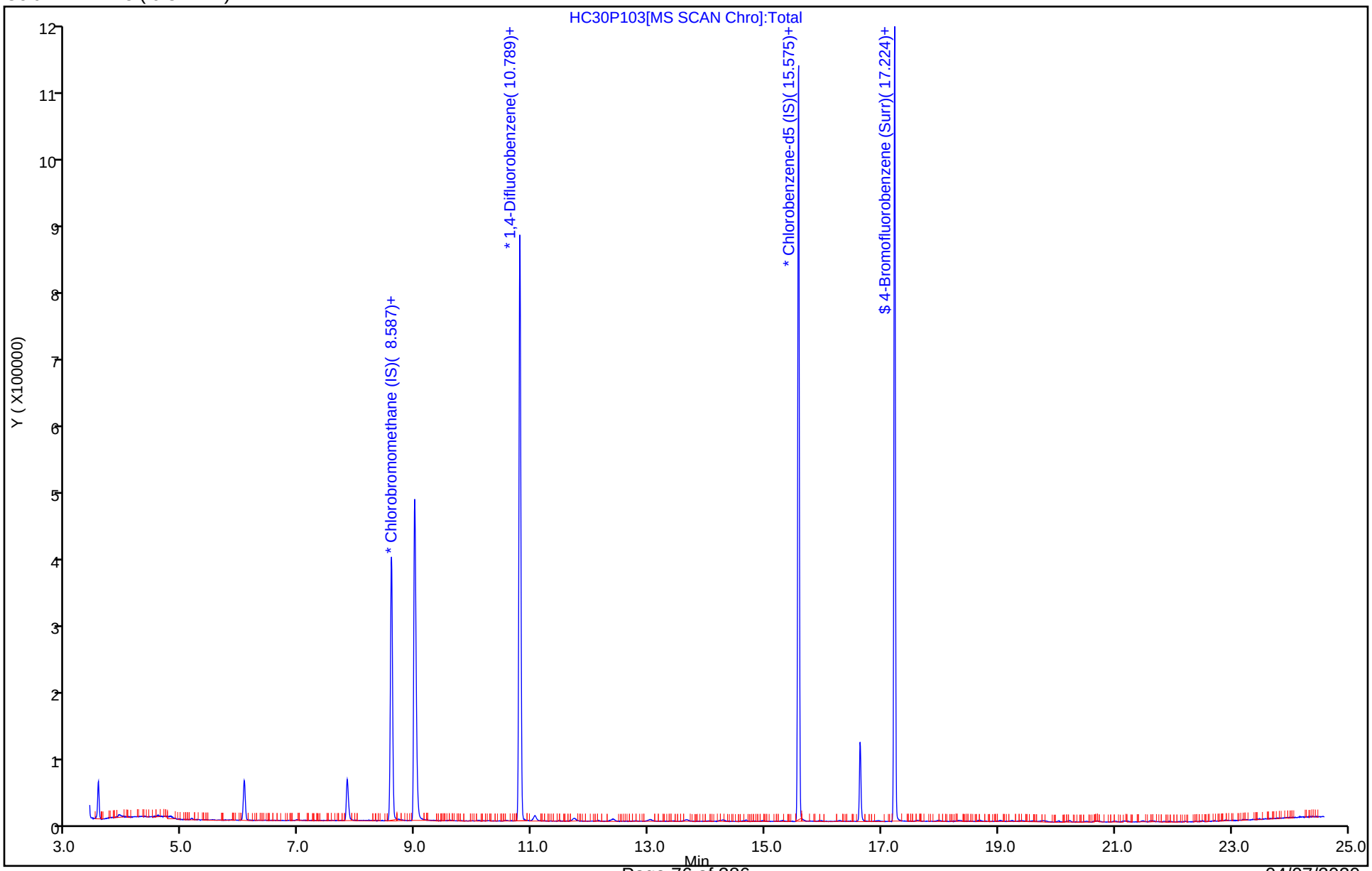
Report Date: 31-Mar-2020 13:30:13 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\HC30P103.D

Injection Date:	30-Mar-2020 15:59:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-18683-A-1	Lab Sample ID:	140-18683-1	Worklist Smp#:	9
Client ID:	SVE INF				
Purge Vol:	500.000 mL	Dil. Factor:	81.5800	ALS Bottle#:	3
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

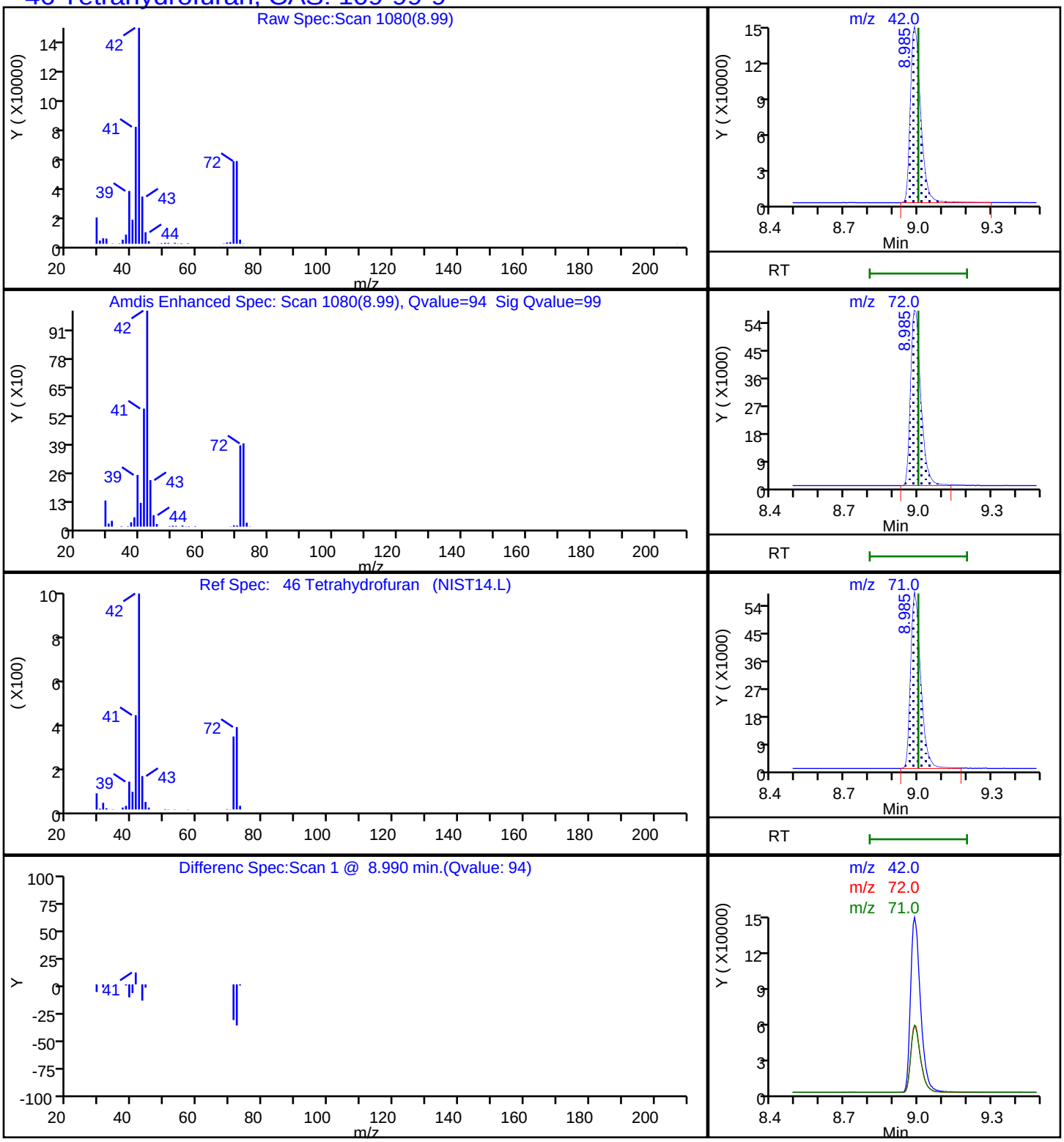
Data File:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\HC30P103.D				
Lims ID:	140-18683-A-1				
Client ID:	SVE INF				
Sample Type:	Client				
Inject. Date:	30-Mar-2020 15:59:30	ALS Bottle#:	3	Worklist Smp#:	9
Purge Vol:	500.000 mL	Dil. Factor:	81.5800		
Sample Info:	140-0015074-009				
Misc. Info.:	140-18683-a-1@81.58				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	31-Mar-2020 13:14:09	Calib Date:	18-Mar-2020 11:50:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0306				
First Level Reviewer: smelcerb		Date:	31-Mar-2020 10:16:28		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.80	95.09

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\HC30P103.D		
Injection Date:	30-Mar-2020 15:59:30	Instrument ID:	MH
Lims ID:	140-18683-A-1	Lab Sample ID:	140-18683-1
Client ID:	SVE INF		
Operator ID:	HMT	ALS Bottle#:	3 Worklist Smp#: 9
Purge Vol:	500.000 mL	Dil. Factor:	81.5800
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

46 Tetrahydrofuran, CAS: 109-99-9



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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: SVE EFF Lab Sample ID: 140-18683-2

Matrix: Air Lab File ID: GC27P201.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 13:08

Sample wt/vol: 13(mL) Date Analyzed: 03/27/2020 14:44

Soil Aliquot Vol: Dilution Factor: 99.88

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		310	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		310	
79-00-5	1,1,2-Trichloroethane	133.41	ND		310	
75-34-3	1,1-Dichloroethane	98.96	ND		310	
75-35-4	1,1-Dichloroethene	96.94	ND		150	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		310	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		310	
106-93-4	1,2-Dibromoethane	187.87	ND		310	
95-50-1	1,2-Dichlorobenzene	147.00	ND		310	
107-06-2	1,2-Dichloroethane	98.96	ND		310	
78-87-5	1,2-Dichloropropane	112.99	ND		310	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		310	
106-99-0	1,3-Butadiene	54.09	ND		610	
541-73-1	1,3-Dichlorobenzene	147.00	ND		310	
106-46-7	1,4-Dichlorobenzene	147.00	ND		310	
123-91-1	1,4-Dioxane	88.11	ND		770	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		770	
78-93-3	2-Butanone	72.11	4800		1200	
591-78-6	2-Hexanone	100.20	ND		770	
67-63-0	2-Propanol	60.10	ND		3100	
107-05-1	3-Chloropropene	76.53	ND		310	
622-96-8	4-Ethyltoluene	120.20	ND		610	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		770	
67-64-1	Acetone	58.08	ND		7700	
100-44-7	alpha-Chlorotoluene	126.58	ND		610	
71-43-2	Benzene	78.11	ND		310	
75-27-4	Bromodichloromethane	163.83	ND		310	
75-25-2	Bromoform	252.75	ND		310	
74-83-9	Bromomethane	94.94	ND		310	
75-15-0	Carbon disulfide	76.14	ND		770	
56-23-5	Carbon tetrachloride	153.81	ND		120	
108-90-7	Chlorobenzene	112.56	ND		310	
75-00-3	Chloroethane	64.52	ND		310	
67-66-3	Chloroform	119.38	ND		310	
74-87-3	Chloromethane	50.49	ND		770	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: SVE EFF Lab Sample ID: 140-18683-2

Matrix: Air Lab File ID: GC27P201.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 13:08

Sample wt/vol: 13(mL) Date Analyzed: 03/27/2020 14:44

Soil Aliquot Vol: Dilution Factor: 99.88

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		150	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		310	
98-82-8	Cumene	120.19	ND		610	
110-82-7	Cyclohexane	84.16	ND		770	
124-48-1	Dibromochloromethane	208.29	ND		310	
64-17-5	Ethanol	46.07	ND		7700	
100-41-4	Ethylbenzene	106.17	ND		310	
75-69-4	Freon 11	137.37	ND		310	
76-13-1	Freon 113	187.38	ND		310	
75-71-8	Freon 12	120.91	ND		310	
76-14-2	Freon-114	170.92	ND		310	
142-82-5	Heptane	100.21	ND		770	
87-68-3	Hexachlorobutadiene	260.76	ND		310	
110-54-3	Hexane	86.17	ND		770	
1634-04-4	Methyl tert-butyl ether	88.15	ND		610	
75-09-2	Methylene Chloride	84.93	ND		1500	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		310	
95-47-6	o-Xylene	106.17	ND		310	
103-65-1	Propylbenzene	120.19	ND		610	
100-42-5	Styrene	104.15	ND		310	
127-18-4	Tetrachloroethene	165.83	ND		310	
109-99-9	Tetrahydrofuran	72.11	45000		1500	
108-88-3	Toluene	92.14	ND		460	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		310	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		310	
79-01-6	Trichloroethene	131.39	ND		140	
75-01-4	Vinyl chloride	62.50	ND		150	

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.: 140-18683-1

SDG No.:

Client Sample ID: SVE EFF Lab Sample ID: 140-18683-2

Matrix: Air Lab File ID: GC27P201.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 13:08

Sample wt/vol: 13(mL) Date Analyzed: 03/27/2020 14:44

Soil Aliquot Vol: Dilution Factor: 99.88

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		1700	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		2100	
79-00-5	1,1,2-Trichloroethane	133.41	ND		1700	
75-34-3	1,1-Dichloroethane	98.96	ND		1200	
75-35-4	1,1-Dichloroethene	96.94	ND		610	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		2300	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		1500	
106-93-4	1,2-Dibromoethane	187.87	ND		2400	
95-50-1	1,2-Dichlorobenzene	147.00	ND		1800	
107-06-2	1,2-Dichloroethane	98.96	ND		1200	
78-87-5	1,2-Dichloropropane	112.99	ND		1400	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		1500	
106-99-0	1,3-Butadiene	54.09	ND		1400	
541-73-1	1,3-Dichlorobenzene	147.00	ND		1800	
106-46-7	1,4-Dichlorobenzene	147.00	ND		1800	
123-91-1	1,4-Dioxane	88.11	ND		2800	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		3600	
78-93-3	2-Butanone	72.11	14000		3600	
591-78-6	2-Hexanone	100.20	ND		3100	
67-63-0	2-Propanol	60.10	ND		7600	
107-05-1	3-Chloropropene	76.53	ND		960	
622-96-8	4-Ethyltoluene	120.20	ND		3000	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		3100	
67-64-1	Acetone	58.08	ND		18000	
100-44-7	alpha-Chlorotoluene	126.58	ND		3200	
71-43-2	Benzene	78.11	ND		980	
75-27-4	Bromodichloromethane	163.83	ND		2100	
75-25-2	Bromoform	252.75	ND		3200	
74-83-9	Bromomethane	94.94	ND		1200	
75-15-0	Carbon disulfide	76.14	ND		2400	
56-23-5	Carbon tetrachloride	153.81	ND		770	
108-90-7	Chlorobenzene	112.56	ND		1400	
75-00-3	Chloroethane	64.52	ND		810	
67-66-3	Chloroform	119.38	ND		1500	
74-87-3	Chloromethane	50.49	ND		1600	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: SVE EFF Lab Sample ID: 140-18683-2

Matrix: Air Lab File ID: GC27P201.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 13:08

Sample wt/vol: 13(mL) Date Analyzed: 03/27/2020 14:44

Soil Aliquot Vol: Dilution Factor: 99.88

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		610	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		1400	
98-82-8	Cumene	120.19	ND		3000	
110-82-7	Cyclohexane	84.16	ND		2600	
124-48-1	Dibromochloromethane	208.29	ND		2600	
64-17-5	Ethanol	46.07	ND		14000	
100-41-4	Ethylbenzene	106.17	ND		1300	
75-69-4	Freon 11	137.37	ND		1700	
76-13-1	Freon 113	187.38	ND		2400	
75-71-8	Freon 12	120.91	ND		1500	
76-14-2	Freon-114	170.92	ND		2100	
142-82-5	Heptane	100.21	ND		3100	
87-68-3	Hexachlorobutadiene	260.76	ND		3300	
110-54-3	Hexane	86.17	ND		2700	
1634-04-4	Methyl tert-butyl ether	88.15	ND		2200	
75-09-2	Methylene Chloride	84.93	ND		5300	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		1300	
95-47-6	o-Xylene	106.17	ND		1300	
103-65-1	Propylbenzene	120.19	ND		3000	
100-42-5	Styrene	104.15	ND		1300	
127-18-4	Tetrachloroethene	165.83	ND		2100	
109-99-9	Tetrahydrofuran	72.11	130000		4500	
108-88-3	Toluene	92.14	ND		1700	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		1200	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		1400	
79-01-6	Trichloroethene	131.39	ND		740	
75-01-4	Vinyl chloride	62.50	ND		390	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P201.D				
Lims ID:	140-18683-A-2				
Client ID:	SVE EFF				
Sample Type:	Client				
Inject. Date:	27-Mar-2020 14:44:30	ALS Bottle#:	1	Worklist Smp#:	8
Purge Vol:	500.000 mL	Dil. Factor:	99.8800		
Sample Info:	140-0015043-008				
Misc. Info.:	140-18683-a-2@99.88				
Operator ID:	7126	Instrument ID:	MG		
Method:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	30-Mar-2020 09:56:26	Calib Date:	13-Mar-2020 00:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0312				
First Level Reviewer: khachitpongpanits		Date:	30-Mar-2020 09:57:06		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.881	8.892	-0.011	94	216749	4.00	
* 2 1,4-Difluorobenzene	114	11.071	11.076	-0.005	95	1521250	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.789	15.789	0.000	90	1315064	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.428	17.428	0.000	82	880553	3.74	
39 2-Butanone (MEK)	72	8.132	8.132	0.000	100	40746	1.26	
46 Tetrahydrofuran	42	9.302	9.318	-0.016	91	805106	11.6	

Reagents:

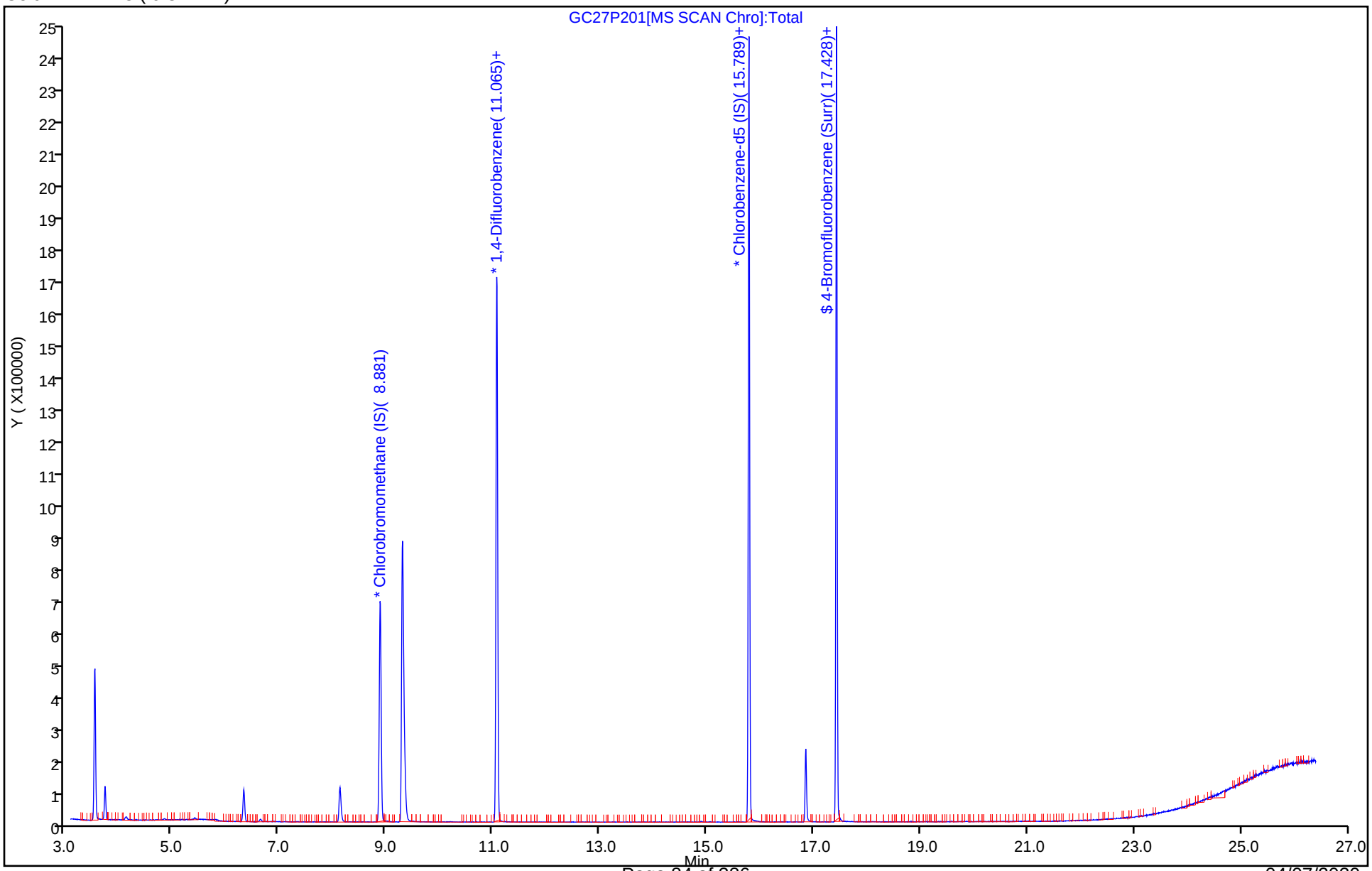
40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 30-Mar-2020 09:57:07 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P201.D				
Injection Date:	27-Mar-2020 14:44:30	Instrument ID:	MG	Operator ID:	7126
Lims ID:	140-18683-A-2	Lab Sample ID:	140-18683-2	Worklist Smp#:	8
Client ID:	SVE EFF				
Purge Vol:	500.000 mL	Dil. Factor:	99.8800	ALS Bottle#:	1
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

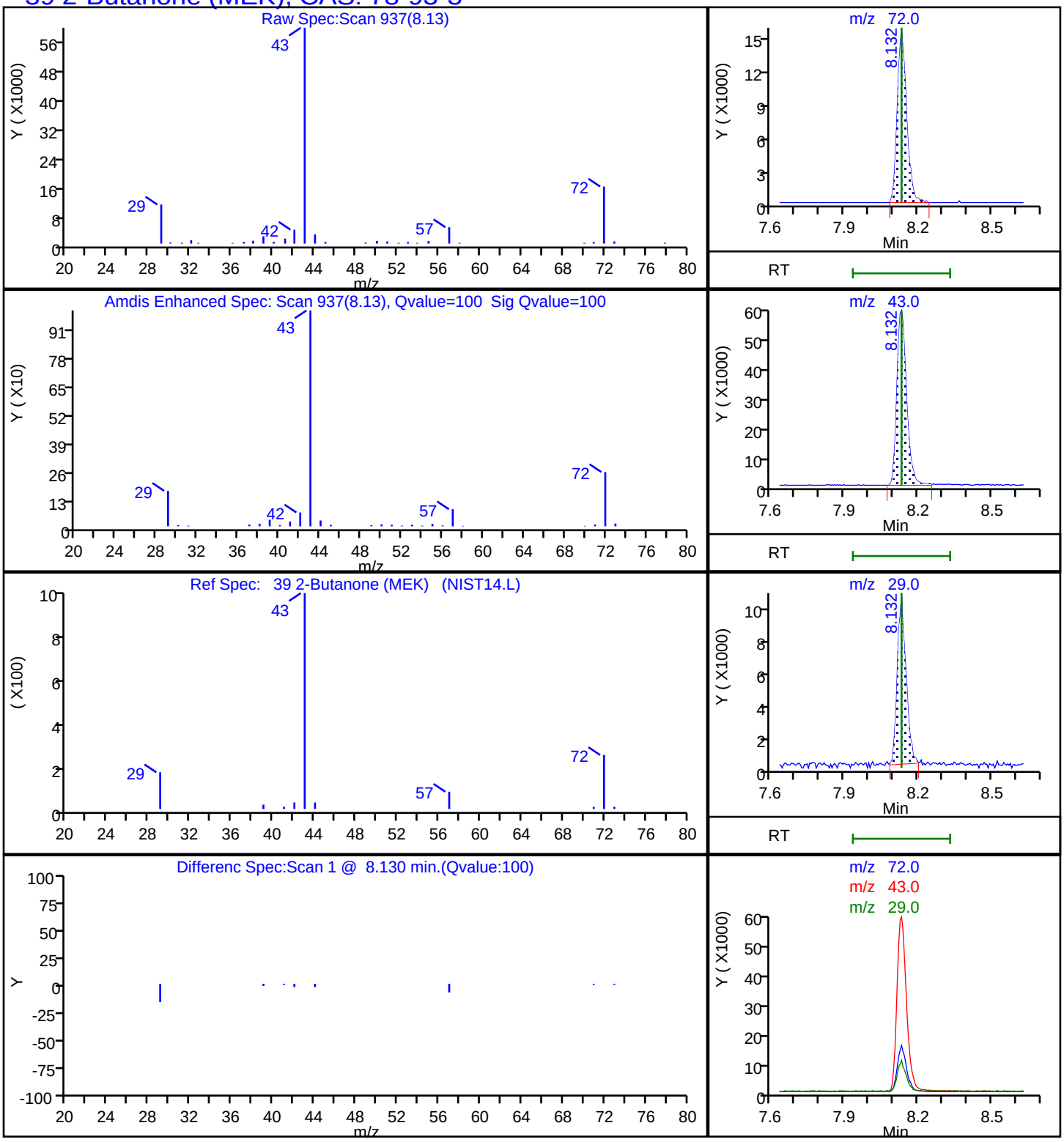
Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P201.D				
Lims ID:	140-18683-A-2				
Client ID:	SVE EFF				
Sample Type:	Client				
Inject. Date:	27-Mar-2020 14:44:30	ALS Bottle#:	1	Worklist Smp#:	8
Purge Vol:	500.000 mL	Dil. Factor:	99.8800		
Sample Info:	140-0015043-008				
Misc. Info.:	140-18683-a-2@99.88				
Operator ID:	7126	Instrument ID:	MG		
Method:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	30-Mar-2020 09:56:26	Calib Date:	13-Mar-2020 00:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0312				
First Level Reviewer: khachitpongpanits		Date:	30-Mar-2020 09:57:06		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.74	93.61

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P201.D		
Injection Date:	27-Mar-2020 14:44:30	Instrument ID:	MG
Lims ID:	140-18683-A-2	Lab Sample ID:	140-18683-2
Client ID:	SVE EFF		
Operator ID:	7126	ALS Bottle#:	1 Worklist Smp#: 8
Purge Vol:	500.000 mL	Dil. Factor:	99.8800
Method:	MG_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: 30-Mar-2020 09:57:07 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P201.D

Injection Date: 27-Mar-2020 14:44:30 Instrument ID: MG

Lims ID: 140-18683-A-2 Lab Sample ID: 140-18683-2

Client ID: SVE EFF

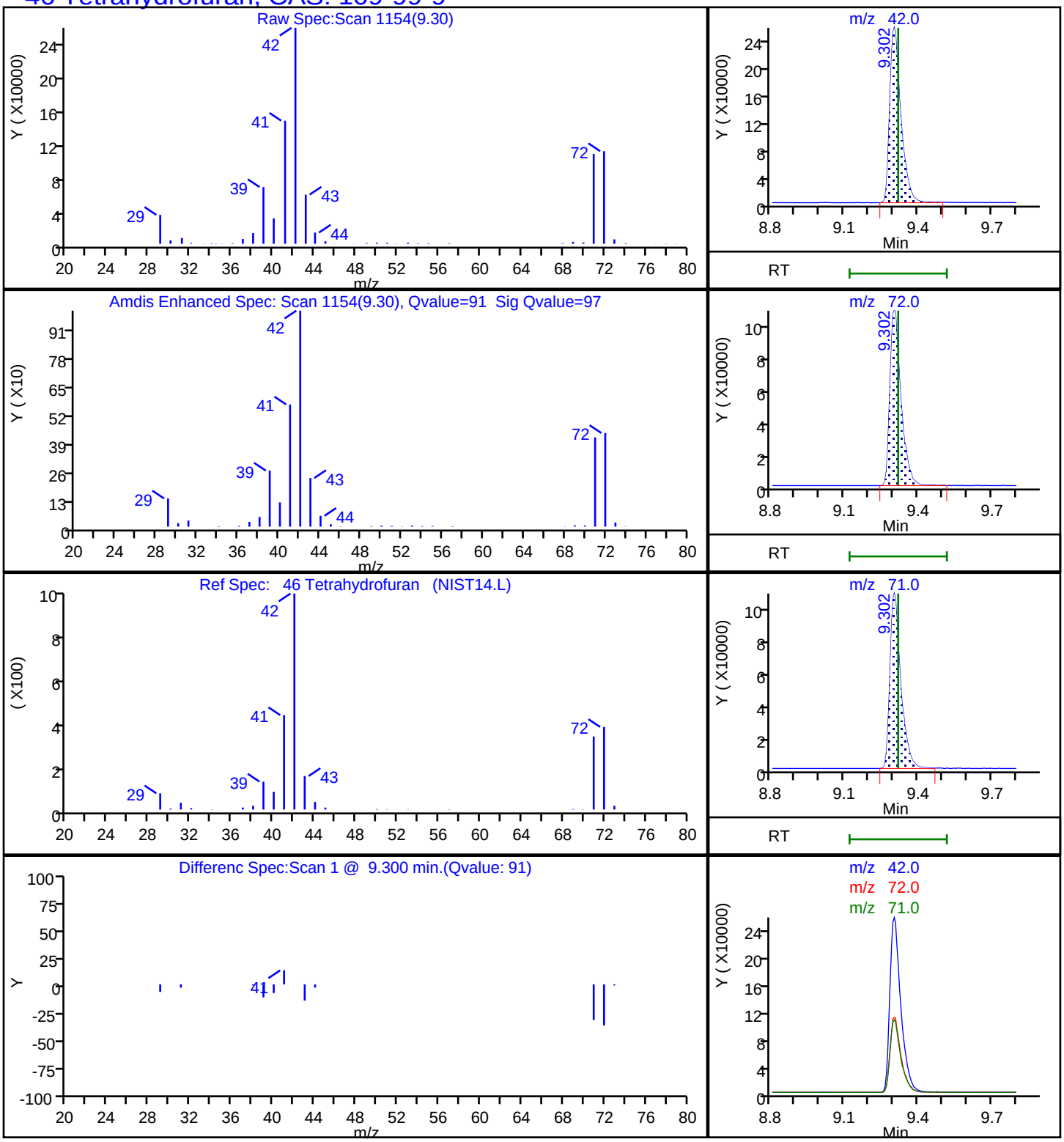
Operator ID: 7126 ALS Bottle#: 1 Worklist Smp#: 8

Purge Vol: 500.000 mL Dil. Factor: 99.8800

Method: MG_TO15 Limit Group: MSA TO14A_15 Routine ICAL

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

46 Tetrahydrofuran, CAS: 109-99-9



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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC EFF Lab Sample ID: 140-18683-3

Matrix: Air Lab File ID: GC27P202.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:44

Sample wt/vol: 100(mL) Date Analyzed: 03/27/2020 15:28

Soil Aliquot Vol: Dilution Factor: 15.42

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		6.2	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		6.2	
79-00-5	1,1,2-Trichloroethane	133.41	ND		6.2	
75-34-3	1,1-Dichloroethane	98.96	ND		6.2	
75-35-4	1,1-Dichloroethene	96.94	ND		3.1	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		6.2	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		6.2	
106-93-4	1,2-Dibromoethane	187.87	ND		6.2	
95-50-1	1,2-Dichlorobenzene	147.00	ND		6.2	
107-06-2	1,2-Dichloroethane	98.96	ND		6.2	
78-87-5	1,2-Dichloropropane	112.99	ND		6.2	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		6.2	
106-99-0	1,3-Butadiene	54.09	ND		12	
541-73-1	1,3-Dichlorobenzene	147.00	ND		6.2	
106-46-7	1,4-Dichlorobenzene	147.00	ND		6.2	
123-91-1	1,4-Dioxane	88.11	ND		15	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		15	
78-93-3	*2-Butanone*	*72.11*	*2600*	*E*	*25*	
591-78-6	2-Hexanone	100.20	ND		15	
67-63-0	2-Propanol	60.10	ND		62	
107-05-1	3-Chloropropene	76.53	ND		6.2	
622-96-8	4-Ethyltoluene	120.20	ND		12	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		15	
67-64-1	Acetone	58.08	ND		150	
100-44-7	alpha-Chlorotoluene	126.58	ND		12	
71-43-2	Benzene	78.11	ND		6.2	
75-27-4	Bromodichloromethane	163.83	ND		6.2	
75-25-2	Bromoform	252.75	ND		6.2	
74-83-9	Bromomethane	94.94	ND		6.2	
75-15-0	Carbon disulfide	76.14	ND		15	
56-23-5	Carbon tetrachloride	153.81	ND		2.5	
108-90-7	Chlorobenzene	112.56	ND		6.2	
75-00-3	Chloroethane	64.52	ND		6.2	
67-66-3	Chloroform	119.38	ND		6.2	
74-87-3	Chloromethane	50.49	ND		15	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC EFF Lab Sample ID: 140-18683-3

Matrix: Air Lab File ID: GC27P202.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:44

Sample wt/vol: 100(mL) Date Analyzed: 03/27/2020 15:28

Soil Aliquot Vol: Dilution Factor: 15.42

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		3.1	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		6.2	
98-82-8	Cumene	120.19	ND		12	
110-82-7	Cyclohexane	84.16	ND		15	
124-48-1	Dibromochloromethane	208.29	ND		6.2	
64-17-5	Ethanol	46.07	350		150	
100-41-4	Ethylbenzene	106.17	ND		6.2	
75-69-4	Freon 11	137.37	ND		6.2	
76-13-1	Freon 113	187.38	ND		6.2	
75-71-8	Freon 12	120.91	ND		6.2	
76-14-2	Freon-114	170.92	ND		6.2	
142-82-5	Heptane	100.21	ND		15	
87-68-3	Hexachlorobutadiene	260.76	ND		6.2	
110-54-3	Hexane	86.17	ND		15	
1634-04-4	Methyl tert-butyl ether	88.15	ND		12	
75-09-2	Methylene Chloride	84.93	ND		31	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		6.2	
95-47-6	o-Xylene	106.17	ND		6.2	
103-65-1	Propylbenzene	120.19	ND		12	
100-42-5	Styrene	104.15	ND		6.2	
127-18-4	Tetrachloroethene	165.83	ND		6.2	
109-99-9	*Tetrahydrofuran*	*72.11*	*13000*	*E*	*31*	
108-88-3	Toluene	92.14	ND		9.3	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		6.2	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		6.2	
79-01-6	Trichloroethene	131.39	ND		2.8	
75-01-4	Vinyl chloride	62.50	ND		3.1	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	106		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC EFF Lab Sample ID: 140-18683-3

Matrix: Air Lab File ID: GC27P202.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:44

Sample wt/vol: 100(mL) Date Analyzed: 03/27/2020 15:28

Soil Aliquot Vol: Dilution Factor: 15.42

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		34	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		42	
79-00-5	1,1,2-Trichloroethane	133.41	ND		34	
75-34-3	1,1-Dichloroethane	98.96	ND		25	
75-35-4	1,1-Dichloroethene	96.94	ND		12	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		46	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		30	
106-93-4	1,2-Dibromoethane	187.87	ND		47	
95-50-1	1,2-Dichlorobenzene	147.00	ND		37	
107-06-2	1,2-Dichloroethane	98.96	ND		25	
78-87-5	1,2-Dichloropropane	112.99	ND		29	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		30	
106-99-0	1,3-Butadiene	54.09	ND		27	
541-73-1	1,3-Dichlorobenzene	147.00	ND		37	
106-46-7	1,4-Dichlorobenzene	147.00	ND		37	
123-91-1	1,4-Dioxane	88.11	ND		56	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		72	
78-93-3	*2-Butanone*	*72.11*	*7600*	*E*	*73*	
591-78-6	2-Hexanone	100.20	ND		63	
67-63-0	2-Propanol	60.10	ND		150	
107-05-1	3-Chloropropene	76.53	ND		19	
622-96-8	4-Ethyltoluene	120.20	ND		61	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		63	
67-64-1	Acetone	58.08	ND		370	
100-44-7	alpha-Chlorotoluene	126.58	ND		64	
71-43-2	Benzene	78.11	ND		20	
75-27-4	Bromodichloromethane	163.83	ND		41	
75-25-2	Bromoform	252.75	ND		64	
74-83-9	Bromomethane	94.94	ND		24	
75-15-0	Carbon disulfide	76.14	ND		48	
56-23-5	Carbon tetrachloride	153.81	ND		16	
108-90-7	Chlorobenzene	112.56	ND		28	
75-00-3	Chloroethane	64.52	ND		16	
67-66-3	Chloroform	119.38	ND		30	
74-87-3	Chloromethane	50.49	ND		32	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC EFF Lab Sample ID: 140-18683-3

Matrix: Air Lab File ID: GC27P202.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:44

Sample wt/vol: 100(mL) Date Analyzed: 03/27/2020 15:28

Soil Aliquot Vol: Dilution Factor: 15.42

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		12	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		28	
98-82-8	Cumene	120.19	ND		61	
110-82-7	Cyclohexane	84.16	ND		53	
124-48-1	Dibromochloromethane	208.29	ND		53	
64-17-5	Ethanol	46.07	670		290	
100-41-4	Ethylbenzene	106.17	ND		27	
75-69-4	Freon 11	137.37	ND		35	
76-13-1	Freon 113	187.38	ND		47	
75-71-8	Freon 12	120.91	ND		31	
76-14-2	Freon-114	170.92	ND		43	
142-82-5	Heptane	100.21	ND		63	
87-68-3	Hexachlorobutadiene	260.76	ND		66	
110-54-3	Hexane	86.17	ND		54	
1634-04-4	Methyl tert-butyl ether	88.15	ND		44	
75-09-2	Methylene Chloride	84.93	ND		110	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		27	
95-47-6	o-Xylene	106.17	ND		27	
103-65-1	Propylbenzene	120.19	ND		61	
100-42-5	Styrene	104.15	ND		26	
127-18-4	Tetrachloroethene	165.83	ND		42	
109-99-9	*Tetrahydrofuran*	*72.11*	*39000*	*E*	*91*	
108-88-3	Toluene	92.14	ND		35	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		24	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		28	
79-01-6	Trichloroethene	131.39	ND		15	
75-01-4	Vinyl chloride	62.50	ND		7.9	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	106		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P202.D				
Lims ID:	140-18683-A-3				
Client ID:	OFFSITE DDC EFF				
Sample Type:	Client				
Inject. Date:	27-Mar-2020 15:28:30	ALS Bottle#:	2	Worklist Smp#:	9
Purge Vol:	500.000 mL	Dil. Factor:	15.4200		
Sample Info:	140-0015043-009				
Misc. Info.:	140-18683-a-3@15.42				
Operator ID:	7126	Instrument ID:	MG		
Method:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	30-Mar-2020 09:58:12	Calib Date:	13-Mar-2020 00:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0312				
First Level Reviewer: khachitpongpanits		Date:	30-Mar-2020 09:59:35		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.897	8.892	0.005	94	216262	4.00	
* 2 1,4-Difluorobenzene	114	11.070	11.076	-0.006	96	1564341	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.789	15.789	0.000	90	1360060	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.428	17.428	0.000	82	1028921	4.23	
17 Ethanol	31	4.810	4.810	0.000	99	118538	4.58	
23 Acetone	58	5.398	5.403	-0.005	100	41179	1.61	
25 Isopropyl alcohol	45	5.538	5.511	0.027	90	11957	0.1769	
39 2-Butanone (MEK)	72	8.115	8.132	-0.017	100	1082194	33.6	E
46 Tetrahydrofuran	42	9.286	9.318	-0.032	85	11979155	173.1	E
55 Isooctane	57	11.286	11.292	-0.006	72	3456	0.009056	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

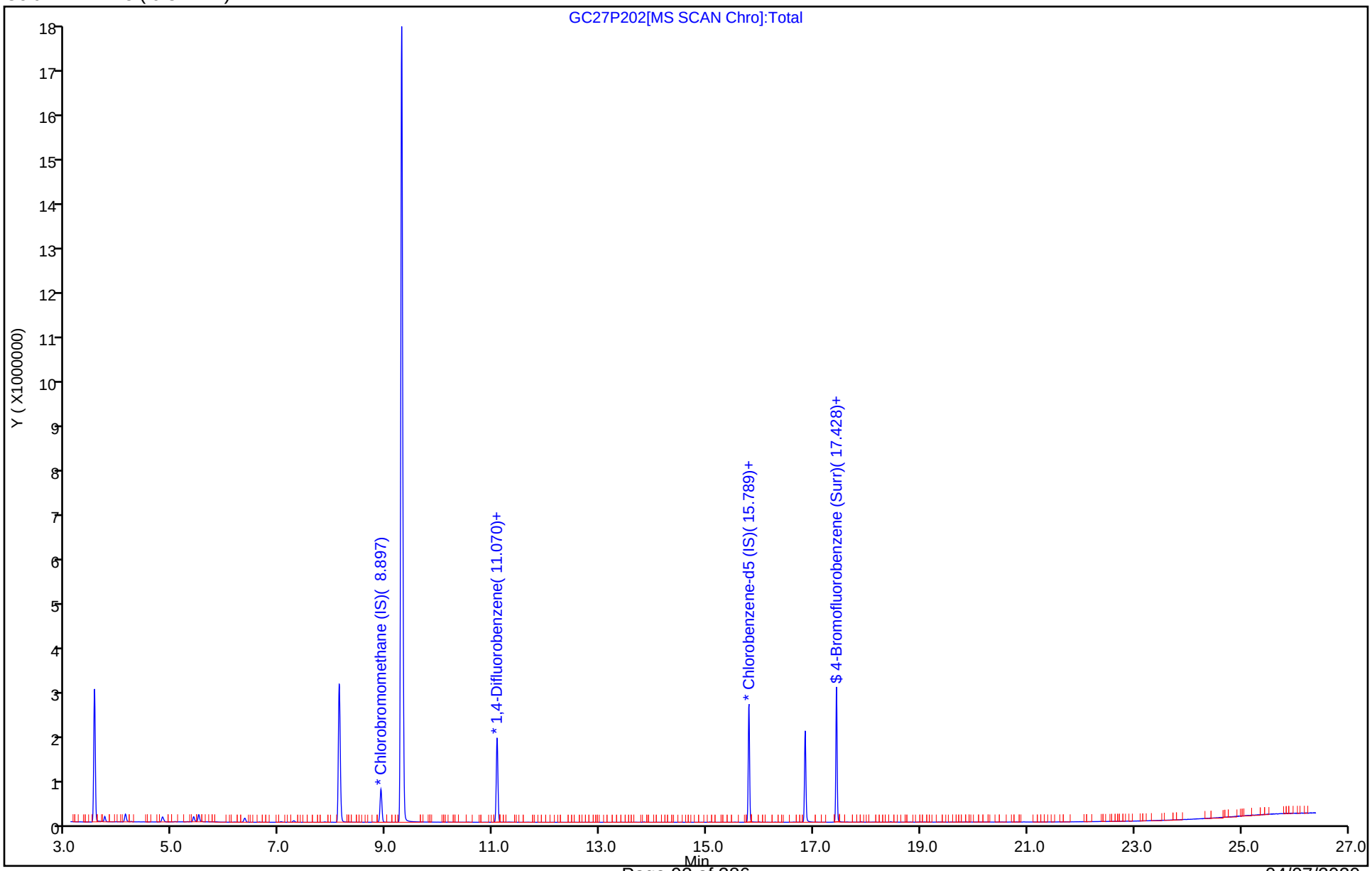
Report Date: 30-Mar-2020 09:59:36 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P202.D

Injection Date:	27-Mar-2020 15:28:30	Instrument ID:	MG	Operator ID:	7126
Lims ID:	140-18683-A-3	Lab Sample ID:	140-18683-3	Worklist Smp#:	9
Client ID:	OFFSITE DDC EFF				
Purge Vol:	500.000 mL	Dil. Factor:	15.4200	ALS Bottle#:	2
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P202.D				
Lims ID:	140-18683-A-3				
Client ID:	OFFSITE DDC EFF				
Sample Type:	Client				
Inject. Date:	27-Mar-2020 15:28:30	ALS Bottle#:	2	Worklist Smp#:	9
Purge Vol:	500.000 mL	Dil. Factor:	15.4200		
Sample Info:	140-0015043-009				
Misc. Info.:	140-18683-a-3@15.42				
Operator ID:	7126	Instrument ID:	MG		
Method:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	30-Mar-2020 09:58:12	Calib Date:	13-Mar-2020 00:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0312				
First Level Reviewer: khachitpongpanits		Date:	30-Mar-2020 09:59:35		

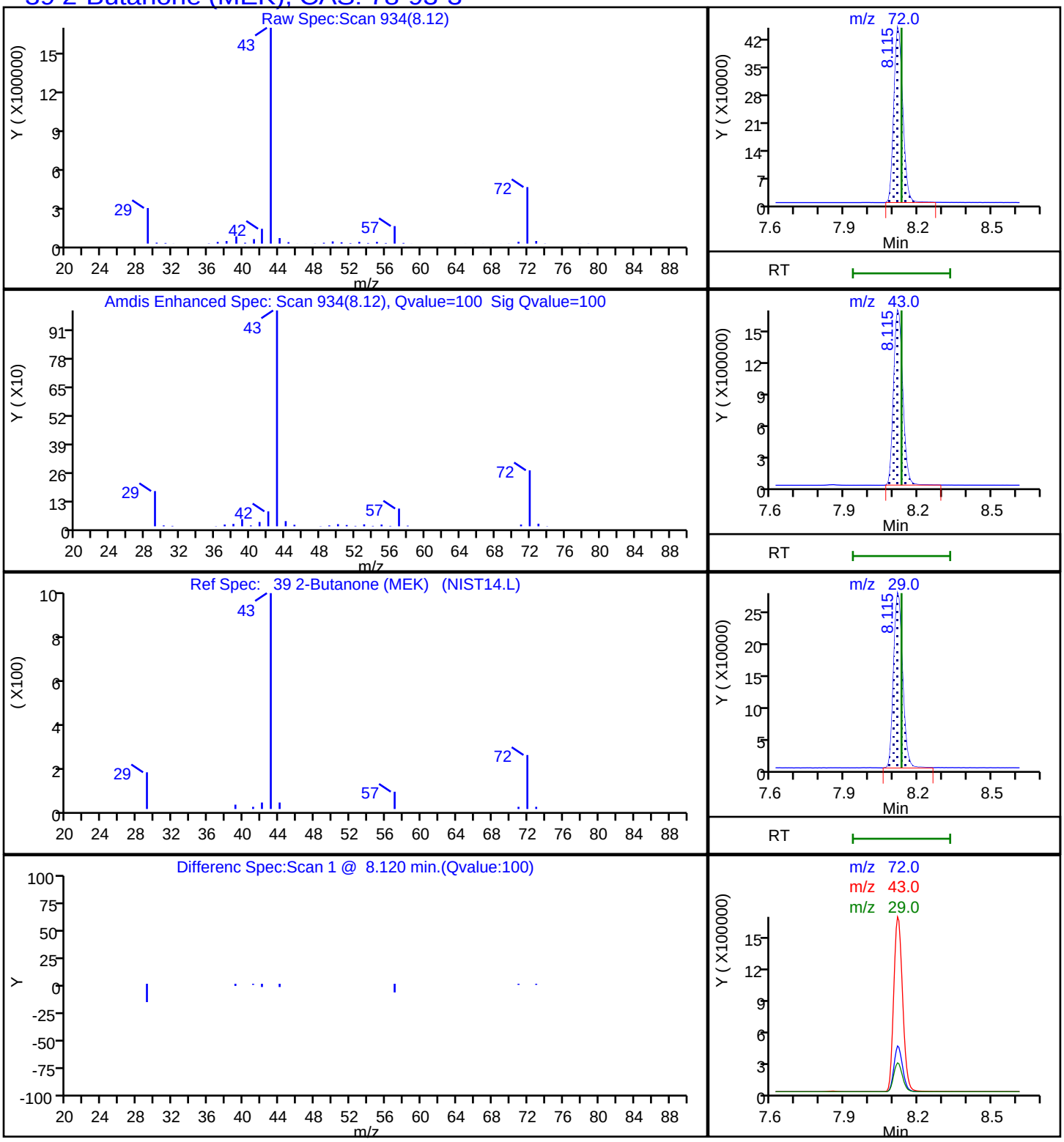
Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	4.23	105.76

Report Date: 30-Mar-2020 09:59:36 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P202.D		
Injection Date:	27-Mar-2020 15:28:30	Instrument ID:	MG
Lims ID:	140-18683-A-3	Lab Sample ID:	140-18683-3
Client ID:	OFFSITE DDC EFF		
Operator ID:	7126	ALS Bottle#:	2 Worklist Smp#: 9
Purge Vol:	500.000 mL	Dil. Factor:	15.4200
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

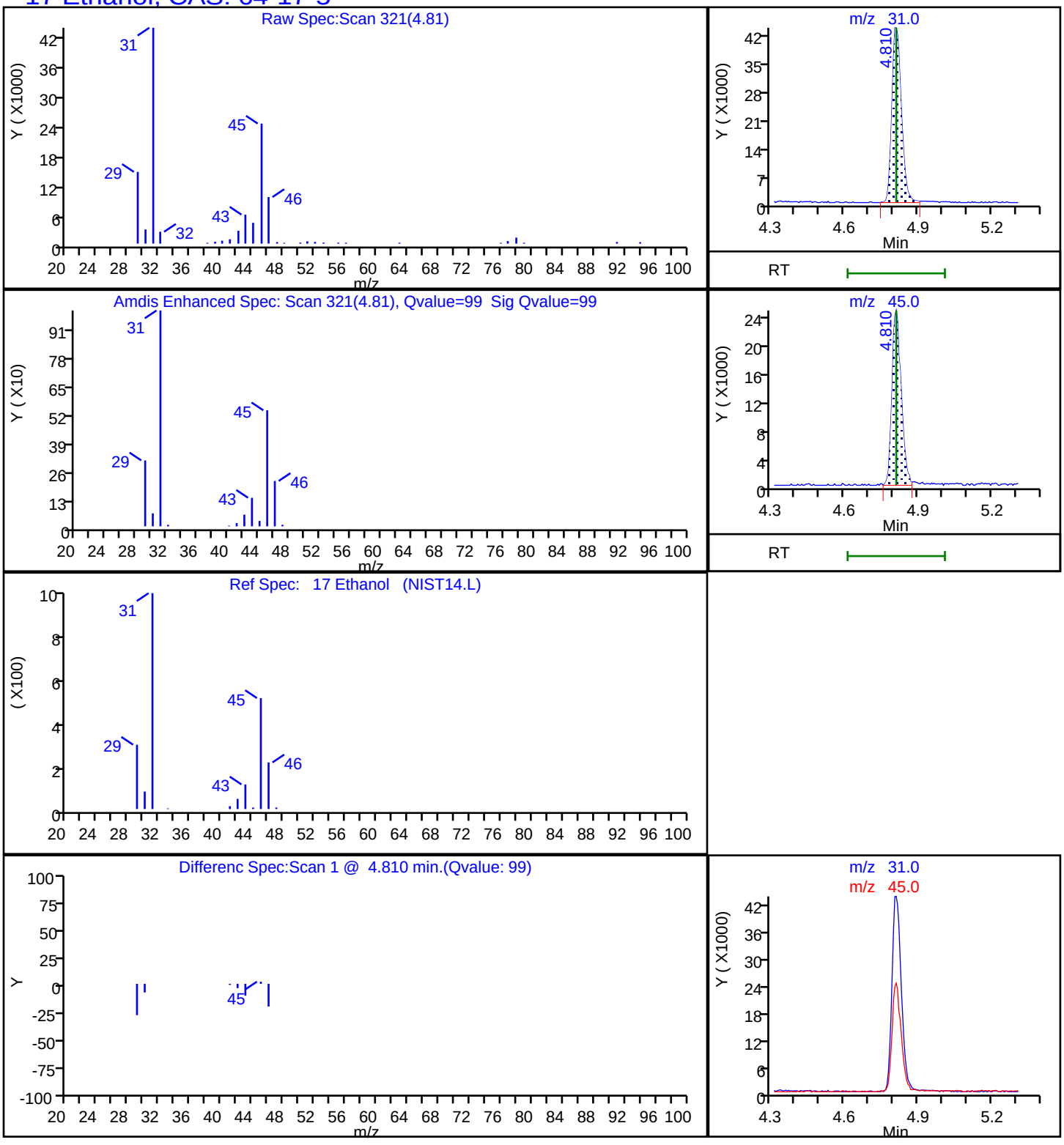
39 2-Butanone (MEK), CAS: 78-93-3



Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P202.D		
Injection Date:	27-Mar-2020 15:28:30	Instrument ID:	MG
Lims ID:	140-18683-A-3	Lab Sample ID:	140-18683-3
Client ID:	OFFSITE DDC EFF		
Operator ID:	7126	ALS Bottle#:	2 Worklist Smp#: 9
Purge Vol:	500.000 mL	Dil. Factor:	15.4200
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

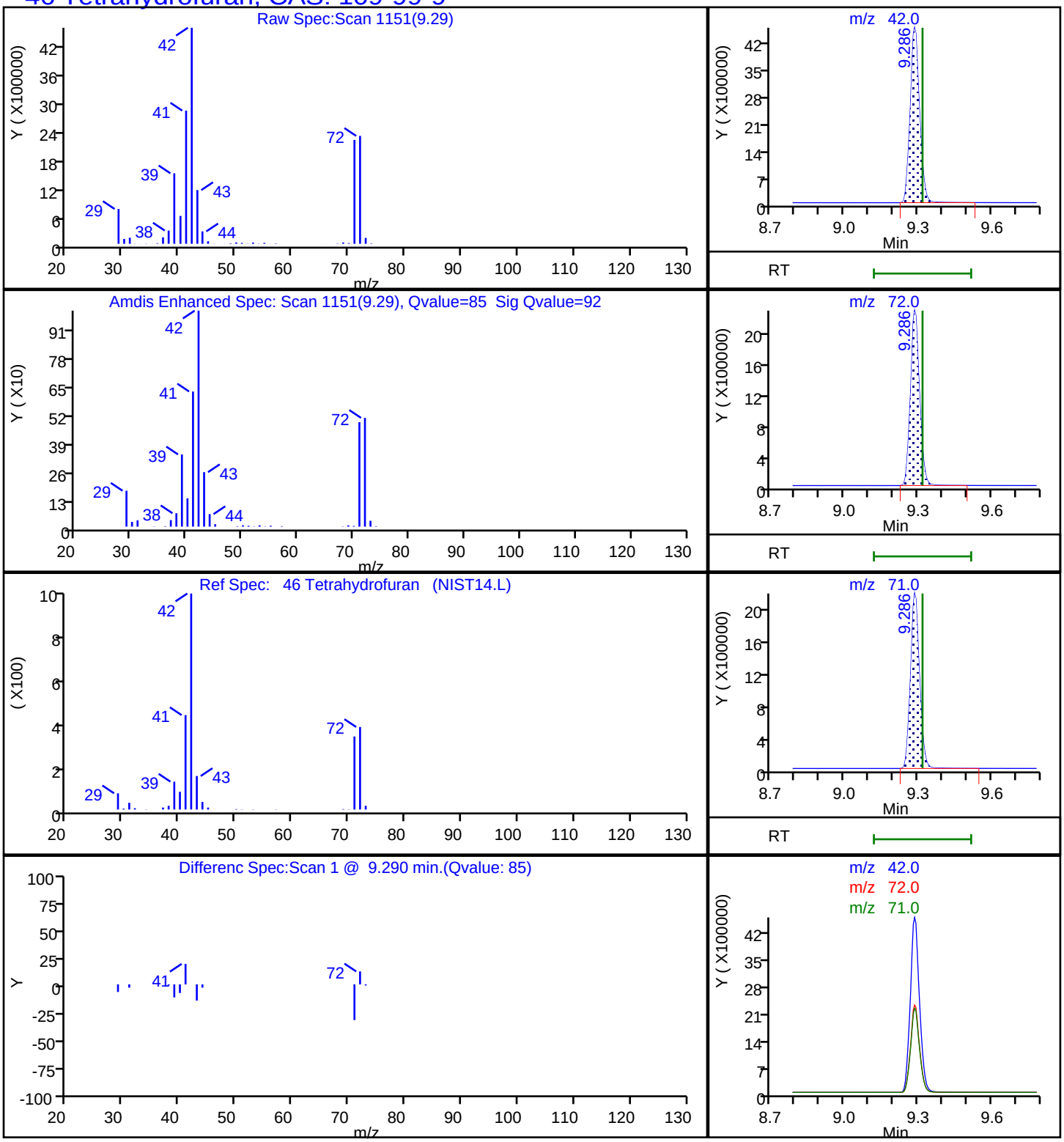
17 Ethanol, CAS: 64-17-5



Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P202.D		
Injection Date:	27-Mar-2020 15:28:30	Instrument ID:	MG
Lims ID:	140-18683-A-3	Lab Sample ID:	140-18683-3
Client ID:	OFFSITE DDC EFF		
Operator ID:	7126	ALS Bottle#:	2 Worklist Smp#: 9
Purge Vol:	500.000 mL	Dil. Factor:	15.4200
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

46 Tetrahydrofuran, CAS: 109-99-9



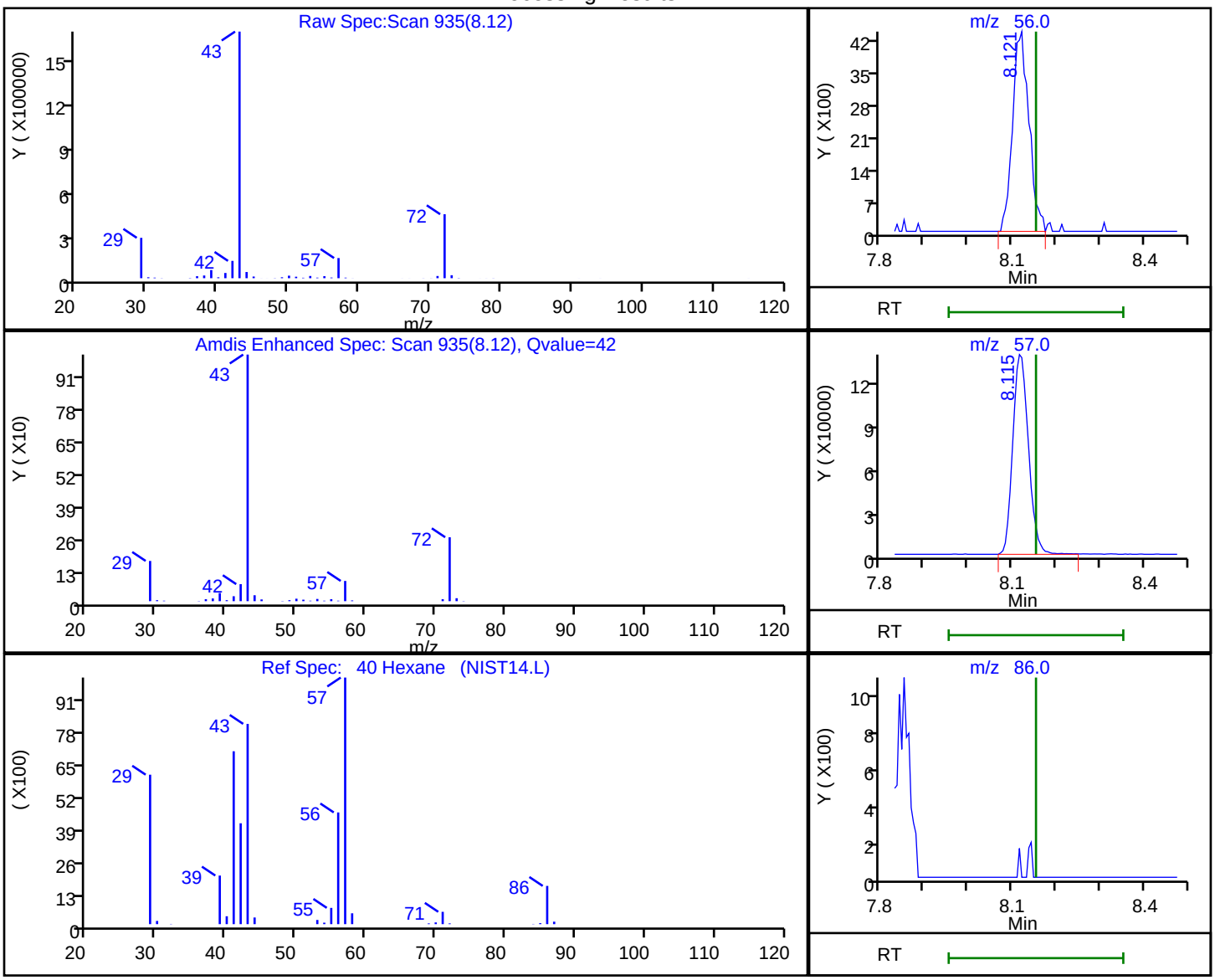
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P202.D				
Injection Date:	27-Mar-2020 15:28:30	Instrument ID:	MG		
Lims ID:	140-18683-A-3	Lab Sample ID:	140-18683-3		
Client ID:	OFFSITE DDC EFF				
Operator ID:	7126	ALS Bottle#:	2	Worklist Smp#:	9
Purge Vol:	500.000 mL	Dil. Factor:	15.4200		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

40 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
8.12	56.00	11314	0.198678
8.12	57.00	341558	
8.15	86.00	0	

Reviewer: khachitpongpanits, 30-Mar-2020 09:58:00

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC EFF DL Lab Sample ID: 140-18683-3 DL

Matrix: Air Lab File ID: HC30P105.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:44

Sample wt/vol: 10(mL) Date Analyzed: 03/30/2020 17:41

Soil Aliquot Vol: Dilution Factor: 55.27

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38705 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
78-93-3	2-Butanone	72.11	1700		880	
109-99-9	Tetrahydrofuran	72.11	12000		1100	

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.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC EFF DL Lab Sample ID: 140-18683-3 DL

Matrix: Air Lab File ID: HC30P105.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:44

Sample wt/vol: 10(mL) Date Analyzed: 03/30/2020 17:41

Soil Aliquot Vol: Dilution Factor: 55.27

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38705 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
78-93-3	2-Butanone	72.11	4900		2600	
109-99-9	Tetrahydrofuran	72.11	35000		3300	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\HC30P105.D				
Lims ID:	140-18683-A-3				
Client ID:	OFFSITE DDC EFF				
Sample Type:	Client				
Inject. Date:	30-Mar-2020 17:41:30	ALS Bottle#:	5	Worklist Smp#:	11
Purge Vol:	500.000 mL	Dil. Factor:	55.2700		
Sample Info:	140-0015074-011				
Misc. Info.:	140-18683-a-3@55.27				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	31-Mar-2020 13:14:09	Calib Date:	18-Mar-2020 11:50:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0306				
First Level Reviewer: smelcerb		Date:	31-Mar-2020 10:18:21		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.587	8.587	0.000	97	105717	4.00	
* 2 1,4-Difluorobenzene	114	10.794	10.794	0.000	95	705350	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.575	0.000	89	551141	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.224	17.244	-0.020	88	353114	3.78	
39 2-Butanone (MEK)	72	7.838	7.828	0.010	98	14826	0.6043	
46 Tetrahydrofuran	42	8.996	9.001	-0.005	94	228397	4.27	

Reagents:

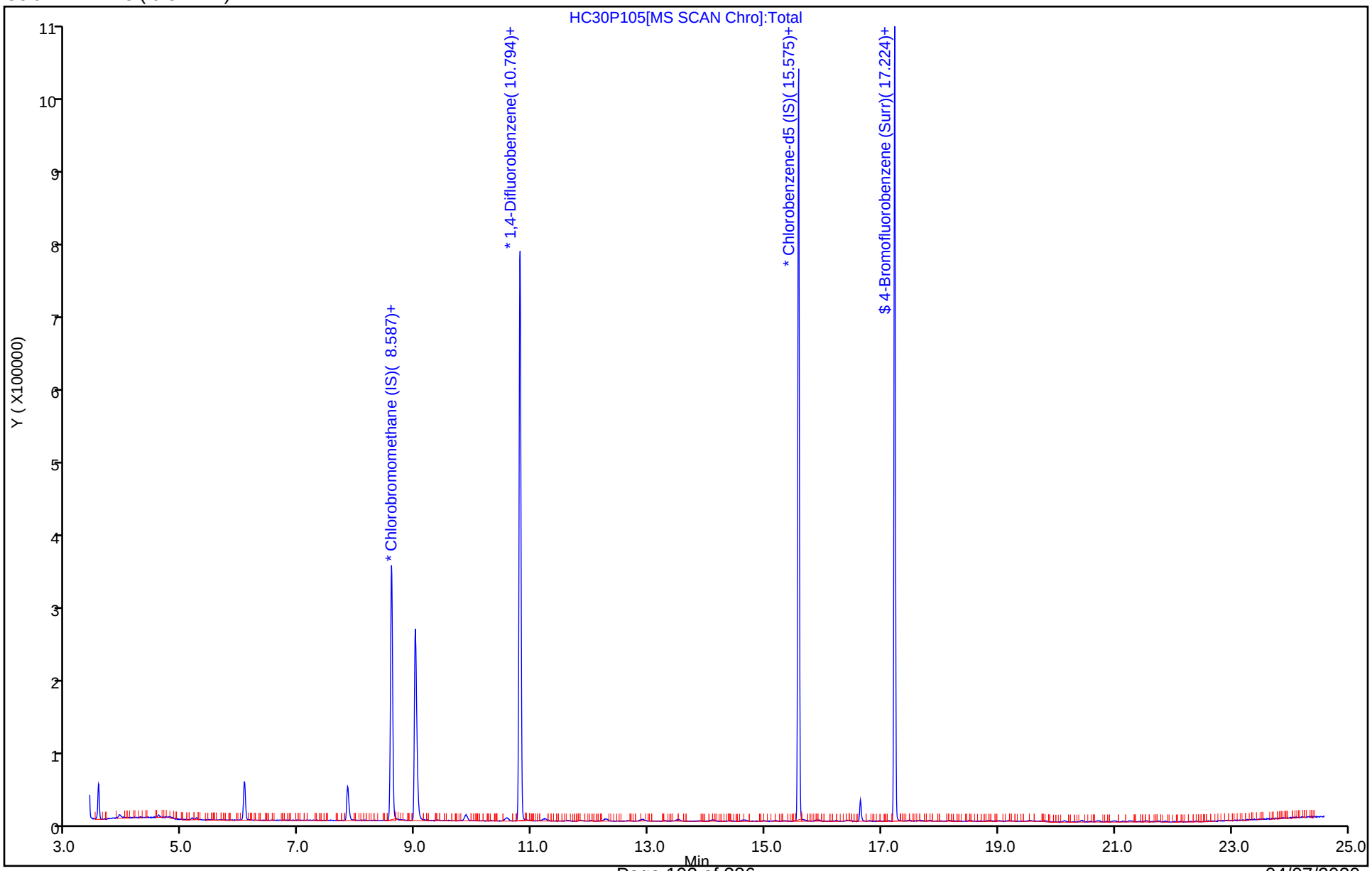
40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

Report Date: 31-Mar-2020 13:30:23 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\HC30P105.D				
Injection Date:	30-Mar-2020 17:41:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-18683-A-3	Lab Sample ID:	140-18683-3	Worklist Smp#:	11
Client ID:	OFFSITE DDC EFF				
Purge Vol:	500.000 mL	Dil. Factor:	55.2700	ALS Bottle#:	5
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

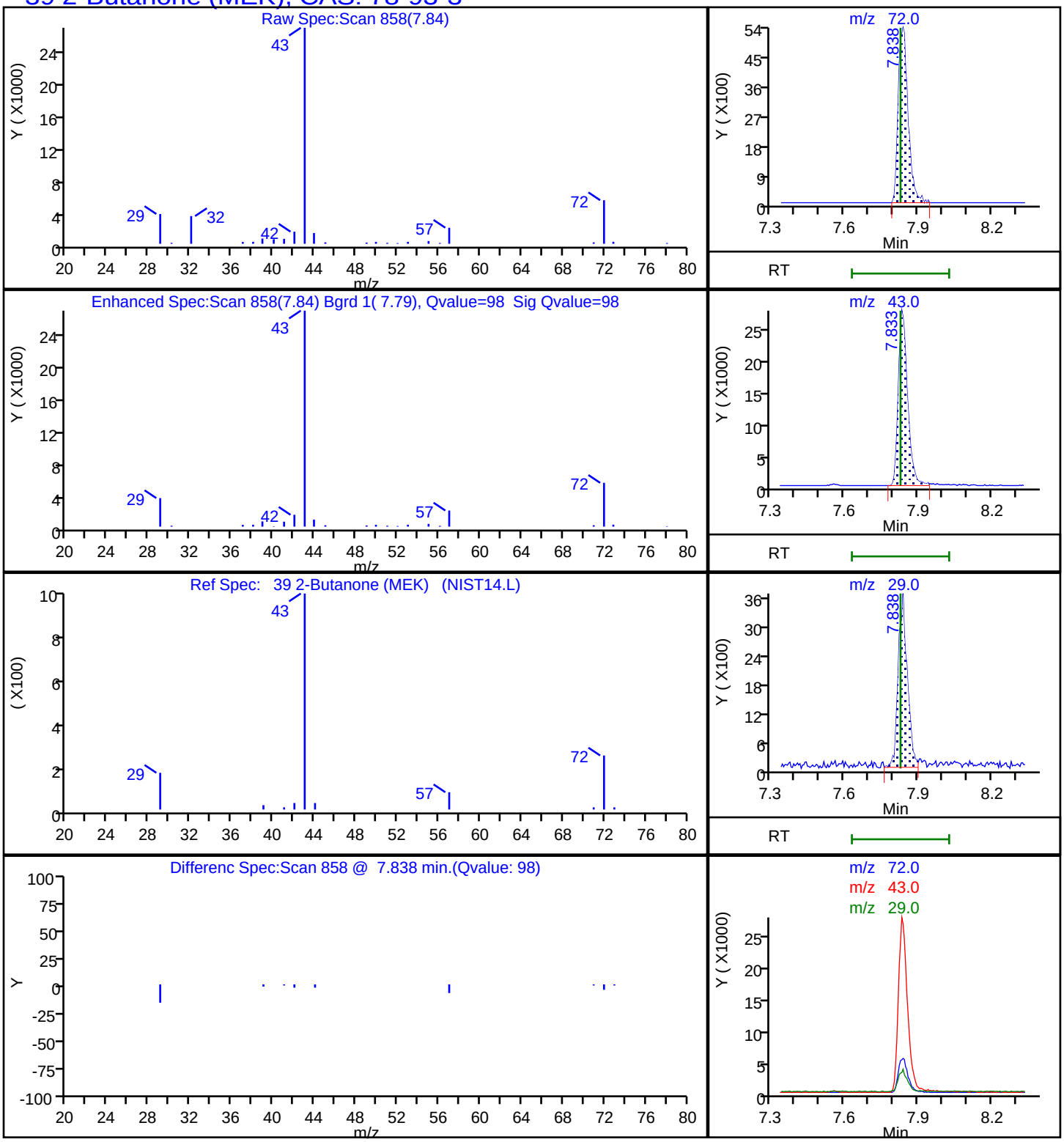
Data File:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\HC30P105.D				
Lims ID:	140-18683-A-3				
Client ID:	OFFSITE DDC EFF				
Sample Type:	Client				
Inject. Date:	30-Mar-2020 17:41:30	ALS Bottle#:	5	Worklist Smp#:	11
Purge Vol:	500.000 mL	Dil. Factor:	55.2700		
Sample Info:	140-0015074-011				
Misc. Info.:	140-18683-a-3@55.27				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	31-Mar-2020 13:14:09	Calib Date:	18-Mar-2020 11:50:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0306				
First Level Reviewer: smelcerb		Date:	31-Mar-2020 10:18:21		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.78	94.49

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\HC30P105.D
Injection Date: 30-Mar-2020 17:41:30 Instrument ID: MH
Lims ID: 140-18683-A-3 Lab Sample ID: 140-18683-3
Client ID: OFFSITE DDC EFF
Operator ID: HMT ALS Bottle#: 5 Worklist Smp#: 11
Purge Vol: 500.000 mL Dil. Factor: 55.2700
Method: MH_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Column: RTX-5 (0.32 mm) Detector MS SCAN

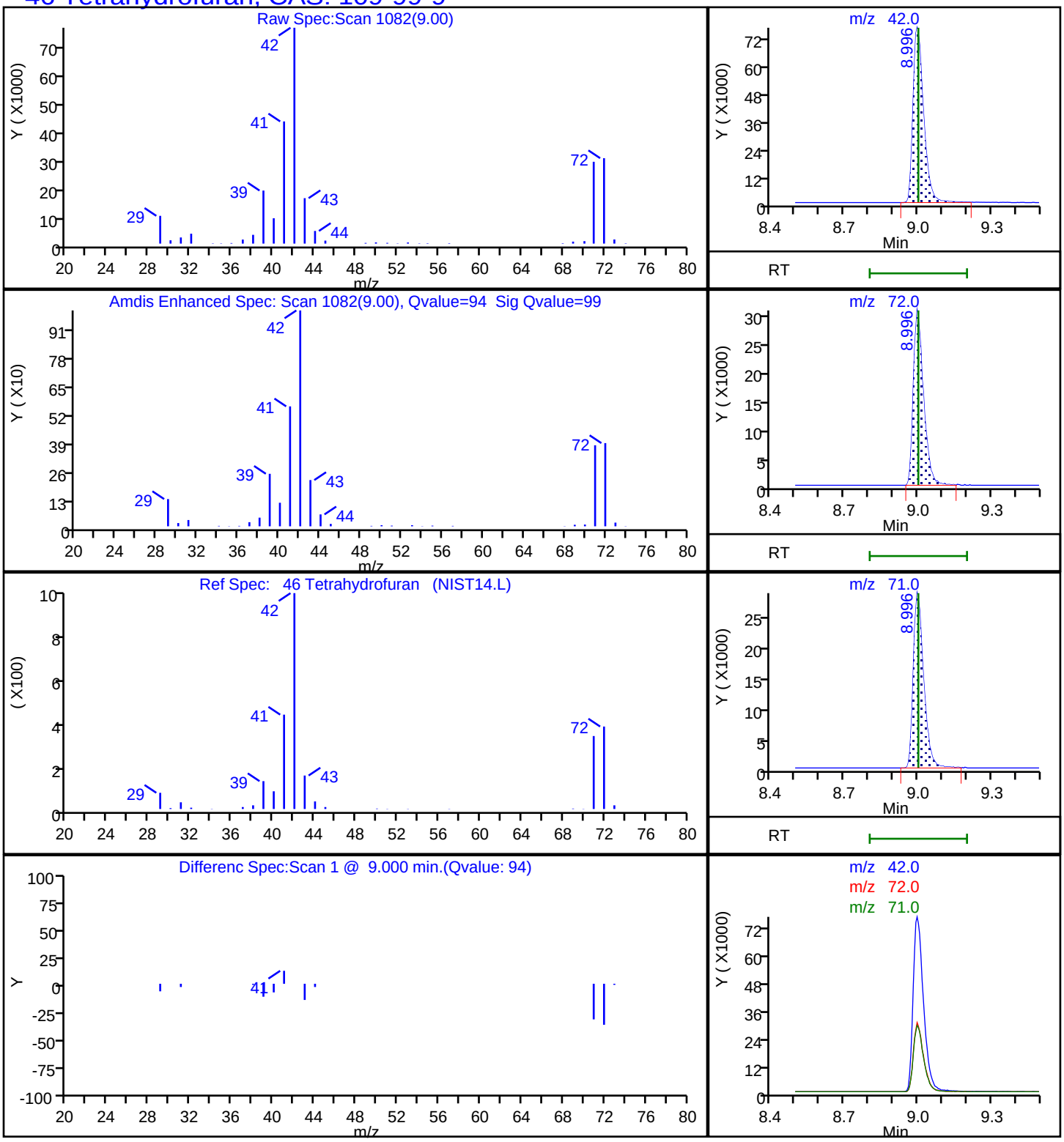
39 2-Butanone (MEK), CAS: 78-93-3



Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\HC30P105.D		
Injection Date:	30-Mar-2020 17:41:30	Instrument ID:	MH
Lims ID:	140-18683-A-3	Lab Sample ID:	140-18683-3
Client ID:	OFFSITE DDC EFF		
Operator ID:	HMT	ALS Bottle#:	5 Worklist Smp#: 11
Purge Vol:	500.000 mL	Dil. Factor:	55.2700
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

46 Tetrahydrofuran, CAS: 109-99-9



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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC MID 2 Lab Sample ID: 140-18683-4

Matrix: Air Lab File ID: GC27P103.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:41

Sample wt/vol: 13(mL) Date Analyzed: 03/27/2020 16:11

Soil Aliquot Vol: Dilution Factor: 13.29

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		41	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		41	
79-00-5	1,1,2-Trichloroethane	133.41	ND		41	
75-34-3	1,1-Dichloroethane	98.96	ND		41	
75-35-4	1,1-Dichloroethene	96.94	ND		20	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		41	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		41	
106-93-4	1,2-Dibromoethane	187.87	ND		41	
95-50-1	1,2-Dichlorobenzene	147.00	ND		41	
107-06-2	1,2-Dichloroethane	98.96	ND		41	
78-87-5	1,2-Dichloropropane	112.99	ND		41	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		41	
106-99-0	1,3-Butadiene	54.09	ND		82	
541-73-1	1,3-Dichlorobenzene	147.00	ND		41	
106-46-7	1,4-Dichlorobenzene	147.00	ND		41	
123-91-1	1,4-Dioxane	88.11	ND		100	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		100	
78-93-3	2-Butanone	72.11	430		160	
591-78-6	2-Hexanone	100.20	ND		100	
67-63-0	2-Propanol	60.10	ND		410	
107-05-1	3-Chloropropene	76.53	ND		41	
622-96-8	4-Ethyltoluene	120.20	ND		82	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		100	
67-64-1	Acetone	58.08	ND		1000	
100-44-7	alpha-Chlorotoluene	126.58	ND		82	
71-43-2	Benzene	78.11	ND		41	
75-27-4	Bromodichloromethane	163.83	ND		41	
75-25-2	Bromoform	252.75	ND		41	
74-83-9	Bromomethane	94.94	ND		41	
75-15-0	Carbon disulfide	76.14	ND		100	
56-23-5	Carbon tetrachloride	153.81	ND		16	
108-90-7	Chlorobenzene	112.56	ND		41	
75-00-3	Chloroethane	64.52	ND		41	
67-66-3	Chloroform	119.38	ND		41	
74-87-3	Chloromethane	50.49	ND		100	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC MID 2 Lab Sample ID: 140-18683-4

Matrix: Air Lab File ID: GC27P103.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:41

Sample wt/vol: 13(mL) Date Analyzed: 03/27/2020 16:11

Soil Aliquot Vol: Dilution Factor: 13.29

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		20	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		41	
98-82-8	Cumene	120.19	ND		82	
110-82-7	Cyclohexane	84.16	ND		100	
124-48-1	Dibromochloromethane	208.29	ND		41	
64-17-5	Ethanol	46.07	ND		1000	
100-41-4	Ethylbenzene	106.17	ND		41	
75-69-4	Freon 11	137.37	ND		41	
76-13-1	Freon 113	187.38	ND		41	
75-71-8	Freon 12	120.91	ND		41	
76-14-2	Freon-114	170.92	ND		41	
142-82-5	Heptane	100.21	ND		100	
87-68-3	Hexachlorobutadiene	260.76	ND		41	
110-54-3	Hexane	86.17	ND		100	
1634-04-4	Methyl tert-butyl ether	88.15	ND		82	
75-09-2	Methylene Chloride	84.93	ND		200	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		41	
95-47-6	o-Xylene	106.17	ND		41	
103-65-1	Propylbenzene	120.19	ND		82	
100-42-5	Styrene	104.15	ND		41	
127-18-4	Tetrachloroethene	165.83	ND		41	
109-99-9	Tetrahydrofuran	72.11	3400		200	
108-88-3	Toluene	92.14	ND		61	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		41	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		41	
79-01-6	Trichloroethene	131.39	ND		18	
75-01-4	Vinyl chloride	62.50	ND		20	

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.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC MID 2 Lab Sample ID: 140-18683-4

Matrix: Air Lab File ID: GC27P103.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:41

Sample wt/vol: 13(mL) Date Analyzed: 03/27/2020 16:11

Soil Aliquot Vol: Dilution Factor: 13.29

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		220	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		280	
79-00-5	1,1,2-Trichloroethane	133.41	ND		220	
75-34-3	1,1-Dichloroethane	98.96	ND		170	
75-35-4	1,1-Dichloroethene	96.94	ND		81	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		300	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		200	
106-93-4	1,2-Dibromoethane	187.87	ND		310	
95-50-1	1,2-Dichlorobenzene	147.00	ND		250	
107-06-2	1,2-Dichloroethane	98.96	ND		170	
78-87-5	1,2-Dichloropropane	112.99	ND		190	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		200	
106-99-0	1,3-Butadiene	54.09	ND		180	
541-73-1	1,3-Dichlorobenzene	147.00	ND		250	
106-46-7	1,4-Dichlorobenzene	147.00	ND		250	
123-91-1	1,4-Dioxane	88.11	ND		370	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		480	
78-93-3	2-Butanone	72.11	1300		480	
591-78-6	2-Hexanone	100.20	ND		420	
67-63-0	2-Propanol	60.10	ND		1000	
107-05-1	3-Chloropropene	76.53	ND		130	
622-96-8	4-Ethyltoluene	120.20	ND		400	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		420	
67-64-1	Acetone	58.08	ND		2400	
100-44-7	alpha-Chlorotoluene	126.58	ND		420	
71-43-2	Benzene	78.11	ND		130	
75-27-4	Bromodichloromethane	163.83	ND		270	
75-25-2	Bromoform	252.75	ND		420	
74-83-9	Bromomethane	94.94	ND		160	
75-15-0	Carbon disulfide	76.14	ND		320	
56-23-5	Carbon tetrachloride	153.81	ND		100	
108-90-7	Chlorobenzene	112.56	ND		190	
75-00-3	Chloroethane	64.52	ND		110	
67-66-3	Chloroform	119.38	ND		200	
74-87-3	Chloromethane	50.49	ND		210	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC MID 2 Lab Sample ID: 140-18683-4

Matrix: Air Lab File ID: GC27P103.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:41

Sample wt/vol: 13(mL) Date Analyzed: 03/27/2020 16:11

Soil Aliquot Vol: Dilution Factor: 13.29

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		81	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		190	
98-82-8	Cumene	120.19	ND		400	
110-82-7	Cyclohexane	84.16	ND		350	
124-48-1	Dibromochloromethane	208.29	ND		350	
64-17-5	Ethanol	46.07	ND		1900	
100-41-4	Ethylbenzene	106.17	ND		180	
75-69-4	Freon 11	137.37	ND		230	
76-13-1	Freon 113	187.38	ND		310	
75-71-8	Freon 12	120.91	ND		200	
76-14-2	Freon-114	170.92	ND		290	
142-82-5	Heptane	100.21	ND		420	
87-68-3	Hexachlorobutadiene	260.76	ND		440	
110-54-3	Hexane	86.17	ND		360	
1634-04-4	Methyl tert-butyl ether	88.15	ND		290	
75-09-2	Methylene Chloride	84.93	ND		710	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		180	
95-47-6	o-Xylene	106.17	ND		180	
103-65-1	Propylbenzene	120.19	ND		400	
100-42-5	Styrene	104.15	ND		170	
127-18-4	Tetrachloroethene	165.83	ND		280	
109-99-9	Tetrahydrofuran	72.11	10000		600	
108-88-3	Toluene	92.14	ND		230	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		160	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		190	
79-01-6	Trichloroethene	131.39	ND		99	
75-01-4	Vinyl chloride	62.50	ND		52	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P103.D				
Lims ID:	140-18683-A-4				
Client ID:	OFFSITE DDC MID 2				
Sample Type:	Client				
Inject. Date:	27-Mar-2020 16:11:30	ALS Bottle#:	3	Worklist Smp#:	10
Purge Vol:	500.000 mL	Dil. Factor:	13.2900		
Sample Info:	140-0015043-010				
Misc. Info.:	140-18683-a-4@13.29				
Operator ID:	7126	Instrument ID:	MG		
Method:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	30-Mar-2020 09:58:12	Calib Date:	13-Mar-2020 00:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0312				
First Level Reviewer: khachitpongpanits		Date:	30-Mar-2020 10:00:15		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.903	8.892	0.011	95	205849	4.00	
* 2 1,4-Difluorobenzene	114	11.082	11.076	0.006	96	1501345	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.789	15.789	0.000	90	1275048	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.428	17.428	0.000	81	911432	4.00	
39 2-Butanone (MEK)	72	8.164	8.132	0.032	100	26045	0.8486	
42 cis-1,2-Dichloroethene	96	8.563	8.563	0.005	91	984	0.0131	
46 Tetrahydrofuran	42	9.329	9.318	0.011	92	439006	6.66	

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

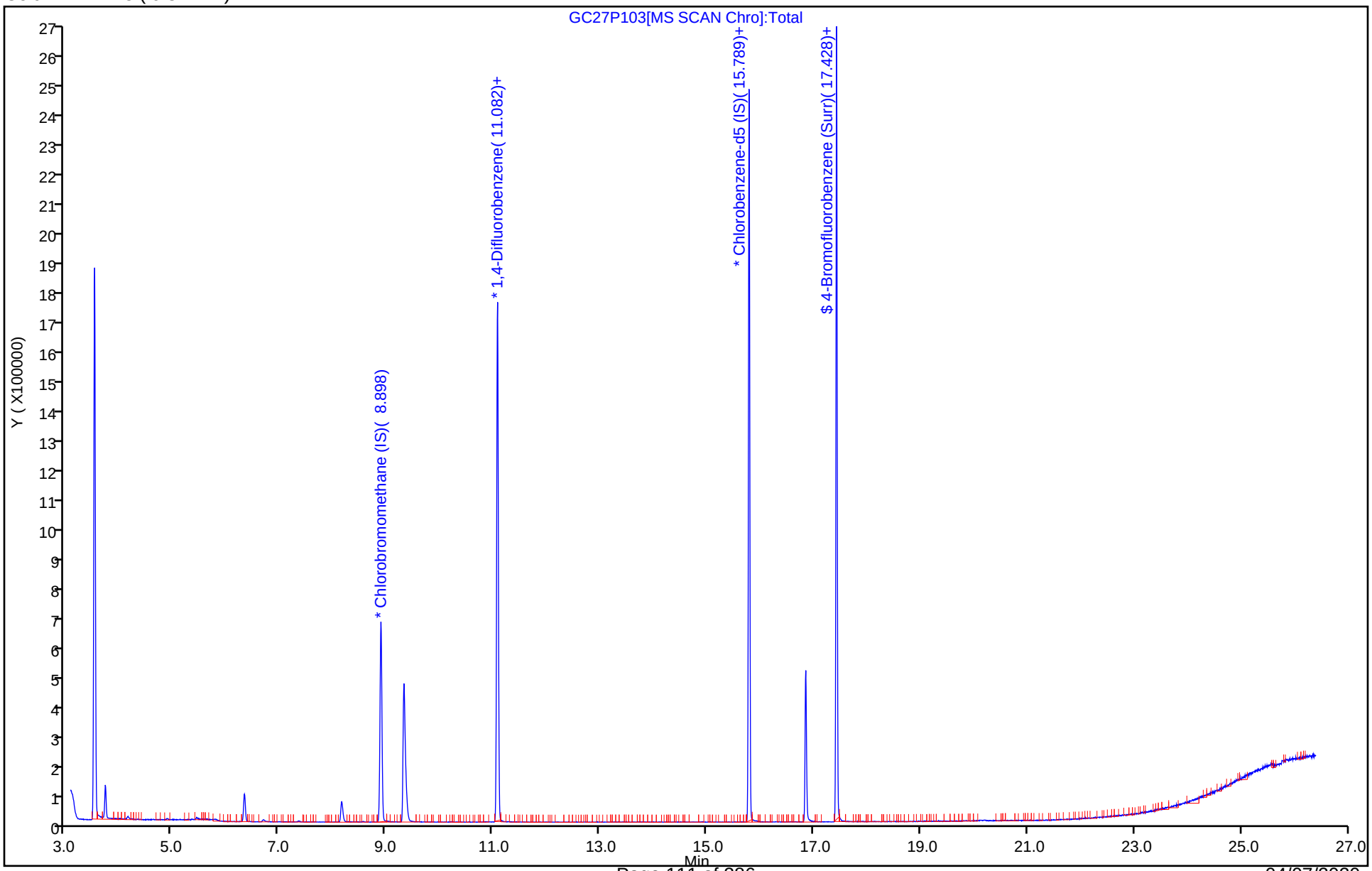
Report Date: 30-Mar-2020 10:00:17 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P103.D

Injection Date:	27-Mar-2020 16:11:30	Instrument ID:	MG	Operator ID:	7126
Lims ID:	140-18683-A-4	Lab Sample ID:	140-18683-4	Worklist Smp#:	10
Client ID:	OFFSITE DDC MID 2				
Purge Vol:	500.000 mL	Dil. Factor:	13.2900	ALS Bottle#:	3
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

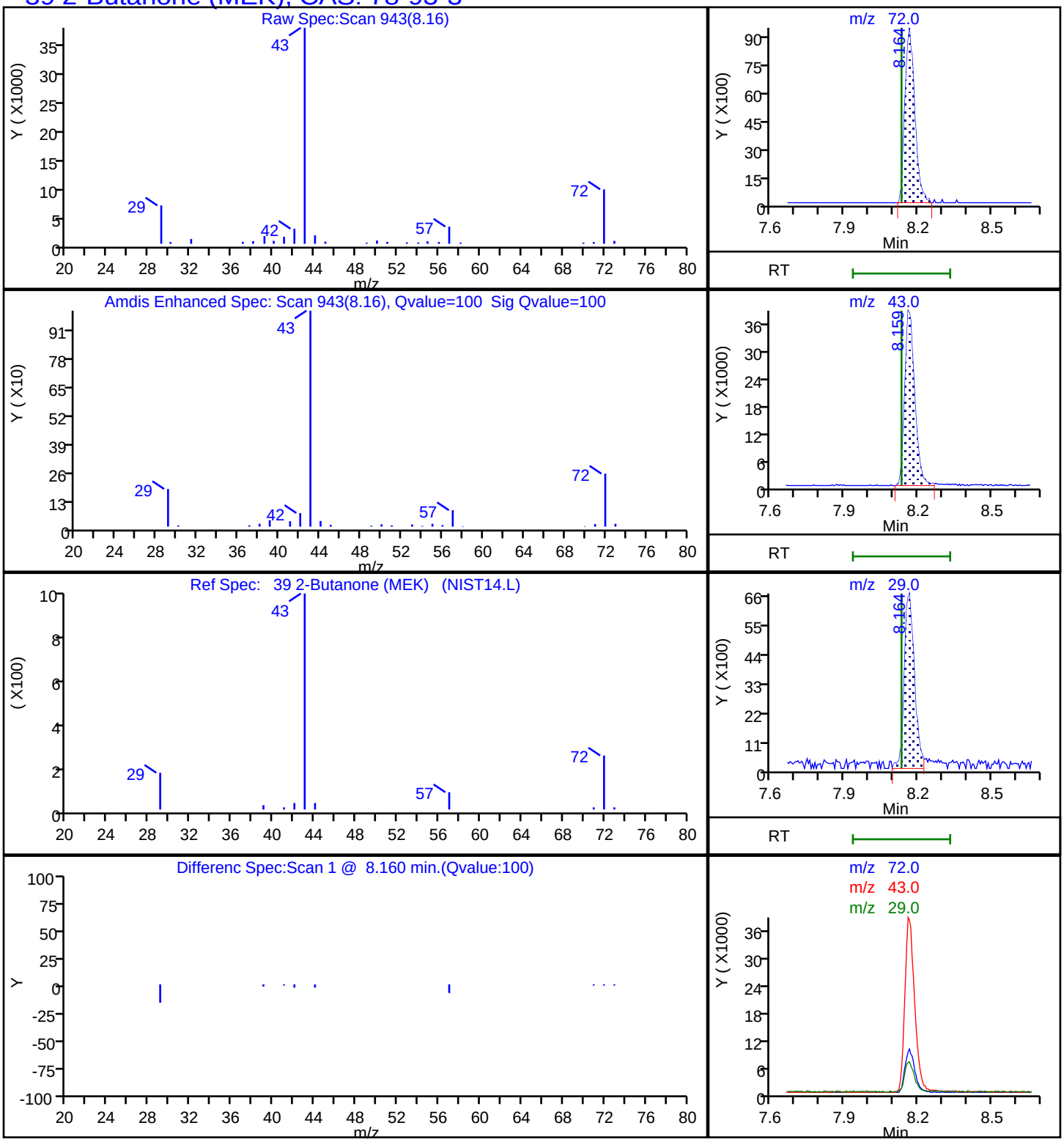
Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P103.D				
Lims ID:	140-18683-A-4				
Client ID:	OFFSITE DDC MID 2				
Sample Type:	Client				
Inject. Date:	27-Mar-2020 16:11:30	ALS Bottle#:	3	Worklist Smp#:	10
Purge Vol:	500.000 mL	Dil. Factor:	13.2900		
Sample Info:	140-0015043-010				
Misc. Info.:	140-18683-a-4@13.29				
Operator ID:	7126	Instrument ID:	MG		
Method:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	30-Mar-2020 09:58:12	Calib Date:	13-Mar-2020 00:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0312				
First Level Reviewer: khachitpongpanits		Date:	30-Mar-2020 10:00:15		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	4.00	99.93

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P103.D		
Injection Date:	27-Mar-2020 16:11:30	Instrument ID:	MG
Lims ID:	140-18683-A-4	Lab Sample ID:	140-18683-4
Client ID:	OFFSITE DDC MID 2		
Operator ID:	7126	ALS Bottle#:	3 Worklist Smp#: 10
Purge Vol:	500.000 mL	Dil. Factor:	13.2900
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

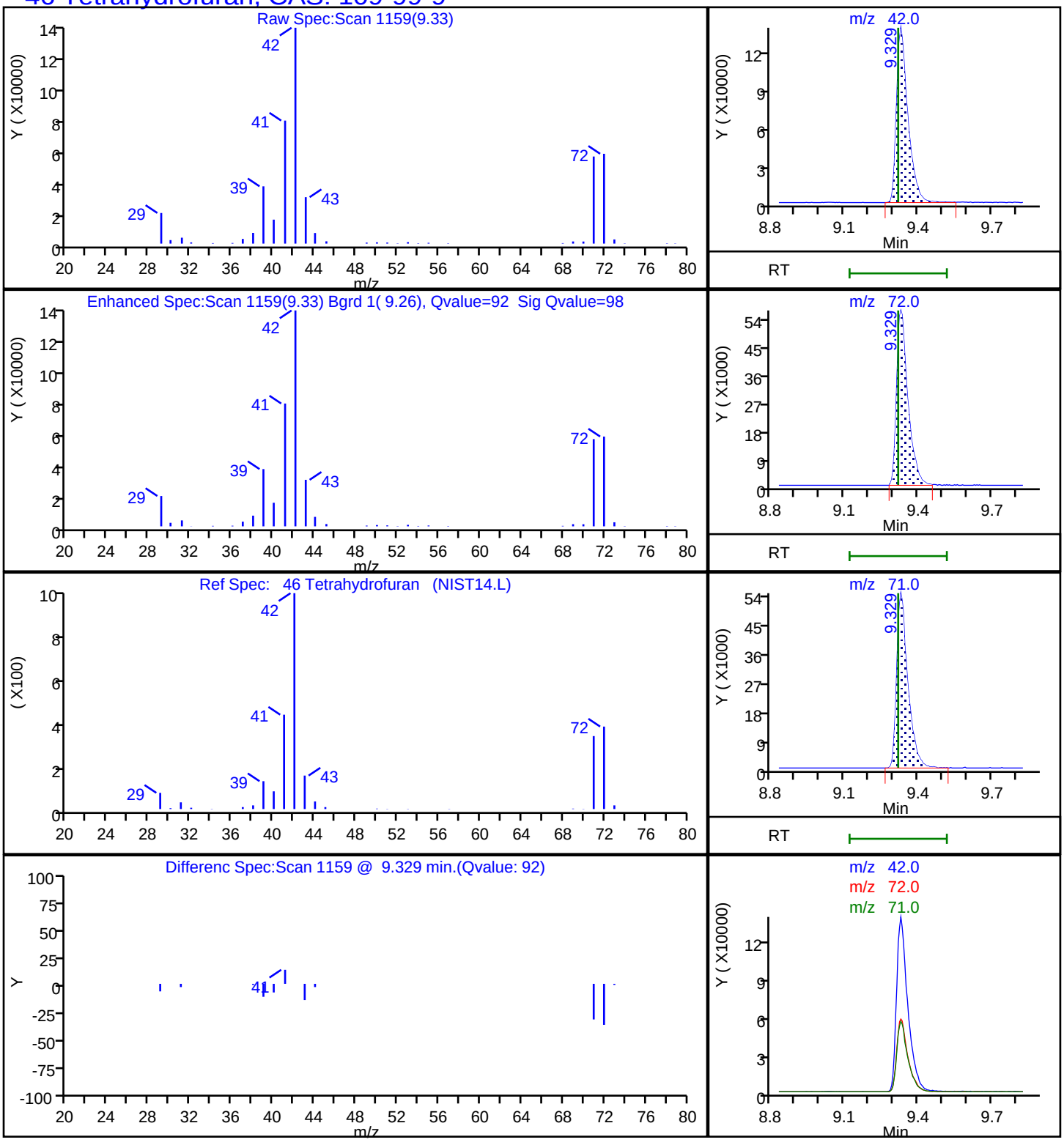
39 2-Butanone (MEK), CAS: 78-93-3



Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P103.D		
Injection Date:	27-Mar-2020 16:11:30	Instrument ID:	MG
Lims ID:	140-18683-A-4	Lab Sample ID:	140-18683-4
Client ID:	OFFSITE DDC MID 2		
Operator ID:	7126	ALS Bottle#:	3 Worklist Smp#: 10
Purge Vol:	500.000 mL	Dil. Factor:	13.2900
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

46 Tetrahydrofuran, CAS: 109-99-9



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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC INF Lab Sample ID: 140-18683-5

Matrix: Air Lab File ID: GC27P104D.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:40

Sample wt/vol: 20(mL) Date Analyzed: 03/27/2020 16:54

Soil Aliquot Vol: Dilution Factor: 36.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		73	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		73	
79-00-5	1,1,2-Trichloroethane	133.41	ND		73	
75-34-3	1,1-Dichloroethane	98.96	ND		73	
75-35-4	1,1-Dichloroethene	96.94	ND		37	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		73	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		73	
106-93-4	1,2-Dibromoethane	187.87	ND		73	
95-50-1	1,2-Dichlorobenzene	147.00	ND		73	
107-06-2	1,2-Dichloroethane	98.96	ND		73	
78-87-5	1,2-Dichloropropane	112.99	ND		73	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		73	
106-99-0	1,3-Butadiene	54.09	ND		150	
541-73-1	1,3-Dichlorobenzene	147.00	ND		73	
106-46-7	1,4-Dichlorobenzene	147.00	ND		73	
123-91-1	1,4-Dioxane	88.11	ND		180	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		180	
78-93-3	2-Butanone	72.11	1800		290	
591-78-6	2-Hexanone	100.20	ND		180	
67-63-0	2-Propanol	60.10	ND		730	
107-05-1	3-Chloropropene	76.53	ND		73	
622-96-8	4-Ethyltoluene	120.20	ND		150	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		180	
67-64-1	Acetone	58.08	ND		1800	
100-44-7	alpha-Chlorotoluene	126.58	ND		150	
71-43-2	Benzene	78.11	ND		73	
75-27-4	Bromodichloromethane	163.83	ND		73	
75-25-2	Bromoform	252.75	ND		73	
74-83-9	Bromomethane	94.94	ND		73	
75-15-0	Carbon disulfide	76.14	ND		180	
56-23-5	Carbon tetrachloride	153.81	ND		29	
108-90-7	Chlorobenzene	112.56	ND		73	
75-00-3	Chloroethane	64.52	ND		73	
67-66-3	Chloroform	119.38	ND		73	
74-87-3	Chloromethane	50.49	ND		180	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC INF Lab Sample ID: 140-18683-5

Matrix: Air Lab File ID: GC27P104D.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:40

Sample wt/vol: 20(mL) Date Analyzed: 03/27/2020 16:54

Soil Aliquot Vol: Dilution Factor: 36.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		37	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		73	
98-82-8	Cumene	120.19	ND		150	
110-82-7	Cyclohexane	84.16	ND		180	
124-48-1	Dibromochloromethane	208.29	ND		73	
64-17-5	Ethanol	46.07	ND		1800	
100-41-4	Ethylbenzene	106.17	ND		73	
75-69-4	Freon 11	137.37	ND		73	
76-13-1	Freon 113	187.38	ND		73	
75-71-8	Freon 12	120.91	ND		73	
76-14-2	Freon-114	170.92	ND		73	
142-82-5	Heptane	100.21	ND		180	
87-68-3	Hexachlorobutadiene	260.76	ND		73	
110-54-3	Hexane	86.17	ND		180	
1634-04-4	Methyl tert-butyl ether	88.15	ND		150	
75-09-2	Methylene Chloride	84.93	ND		370	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		73	
95-47-6	o-Xylene	106.17	ND		73	
103-65-1	Propylbenzene	120.19	ND		150	
100-42-5	Styrene	104.15	ND		73	
127-18-4	Tetrachloroethene	165.83	ND		73	
109-99-9	*Tetrahydrofuran*	*72.11*	*16000*	*E*	*370*	
108-88-3	Toluene	92.14	ND		110	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		73	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		73	
79-01-6	Trichloroethene	131.39	ND		33	
75-01-4	Vinyl chloride	62.50	ND		37	

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.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC INF Lab Sample ID: 140-18683-5

Matrix: Air Lab File ID: GC27P104D.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:40

Sample wt/vol: 20(mL) Date Analyzed: 03/27/2020 16:54

Soil Aliquot Vol: Dilution Factor: 36.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		400	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		500	
79-00-5	1,1,2-Trichloroethane	133.41	ND		400	
75-34-3	1,1-Dichloroethane	98.96	ND		300	
75-35-4	1,1-Dichloroethene	96.94	ND		150	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		540	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		360	
106-93-4	1,2-Dibromoethane	187.87	ND		560	
95-50-1	1,2-Dichlorobenzene	147.00	ND		440	
107-06-2	1,2-Dichloroethane	98.96	ND		300	
78-87-5	1,2-Dichloropropane	112.99	ND		340	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		360	
106-99-0	1,3-Butadiene	54.09	ND		320	
541-73-1	1,3-Dichlorobenzene	147.00	ND		440	
106-46-7	1,4-Dichlorobenzene	147.00	ND		440	
123-91-1	1,4-Dioxane	88.11	ND		660	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		850	
78-93-3	2-Butanone	72.11	5300		860	
591-78-6	2-Hexanone	100.20	ND		750	
67-63-0	2-Propanol	60.10	ND		1800	
107-05-1	3-Chloropropene	76.53	ND		230	
622-96-8	4-Ethyltoluene	120.20	ND		720	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		750	
67-64-1	Acetone	58.08	ND		4300	
100-44-7	alpha-Chlorotoluene	126.58	ND		760	
71-43-2	Benzene	78.11	ND		230	
75-27-4	Bromodichloromethane	163.83	ND		490	
75-25-2	Bromoform	252.75	ND		760	
74-83-9	Bromomethane	94.94	ND		280	
75-15-0	Carbon disulfide	76.14	ND		570	
56-23-5	Carbon tetrachloride	153.81	ND		180	
108-90-7	Chlorobenzene	112.56	ND		340	
75-00-3	Chloroethane	64.52	ND		190	
67-66-3	Chloroform	119.38	ND		360	
74-87-3	Chloromethane	50.49	ND		380	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC INF Lab Sample ID: 140-18683-5

Matrix: Air Lab File ID: GC27P104D.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:40

Sample wt/vol: 20(mL) Date Analyzed: 03/27/2020 16:54

Soil Aliquot Vol: Dilution Factor: 36.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		150	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		330	
98-82-8	Cumene	120.19	ND		720	
110-82-7	Cyclohexane	84.16	ND		630	
124-48-1	Dibromochloromethane	208.29	ND		620	
64-17-5	Ethanol	46.07	ND		3400	
100-41-4	Ethylbenzene	106.17	ND		320	
75-69-4	Freon 11	137.37	ND		410	
76-13-1	Freon 113	187.38	ND		560	
75-71-8	Freon 12	120.91	ND		360	
76-14-2	Freon-114	170.92	ND		510	
142-82-5	Heptane	100.21	ND		750	
87-68-3	Hexachlorobutadiene	260.76	ND		780	
110-54-3	Hexane	86.17	ND		640	
1634-04-4	Methyl tert-butyl ether	88.15	ND		530	
75-09-2	Methylene Chloride	84.93	ND		1300	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		320	
95-47-6	o-Xylene	106.17	ND		320	
103-65-1	Propylbenzene	120.19	ND		720	
100-42-5	Styrene	104.15	ND		310	
127-18-4	Tetrachloroethene	165.83	ND		500	
109-99-9	*Tetrahydrofuran*	*72.11*	*47000*	*E*	*1100*	
108-88-3	Toluene	92.14	ND		410	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		290	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		330	
79-01-6	Trichloroethene	131.39	ND		180	
75-01-4	Vinyl chloride	62.50	ND		94	

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

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P104D.D
Lims ID: 140-18683-A-5
Client ID: OFFSITE DDC INF
Sample Type: Client
Inject. Date: 27-Mar-2020 16:54:30 ALS Bottle#: 4 Worklist Smp#: 11
Purge Vol: 500.000 mL Dil. Factor: 36.6000
Sample Info: 140-0015043-011
Misc. Info.: 140-18683-a-5@36.60
Operator ID: 7126 Instrument ID: MG

Method: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 30-Mar-2020 10:01:10 Calib Date: 13-Mar-2020 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0312

First Level Reviewer: khachitpongpanits Date: 30-Mar-2020 10:01:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.887	8.892	-0.005	95	211955	4.00	
* 2 1,4-Difluorobenzene	114	11.071	11.076	-0.005	96	1486684	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.789	15.789	0.000	90	1343051	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.428	17.428	0.000	90	982539	4.09	
39 2-Butanone (MEK)	72	8.132	8.132	0.000	100	62367	1.97	
42 cis-1,2-Dichloroethene	96	8.563	8.563	0.005	88	1037	0.0134	
46 Tetrahydrofuran	42	9.297	9.318	-0.021	91	1186942	17.5	E

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

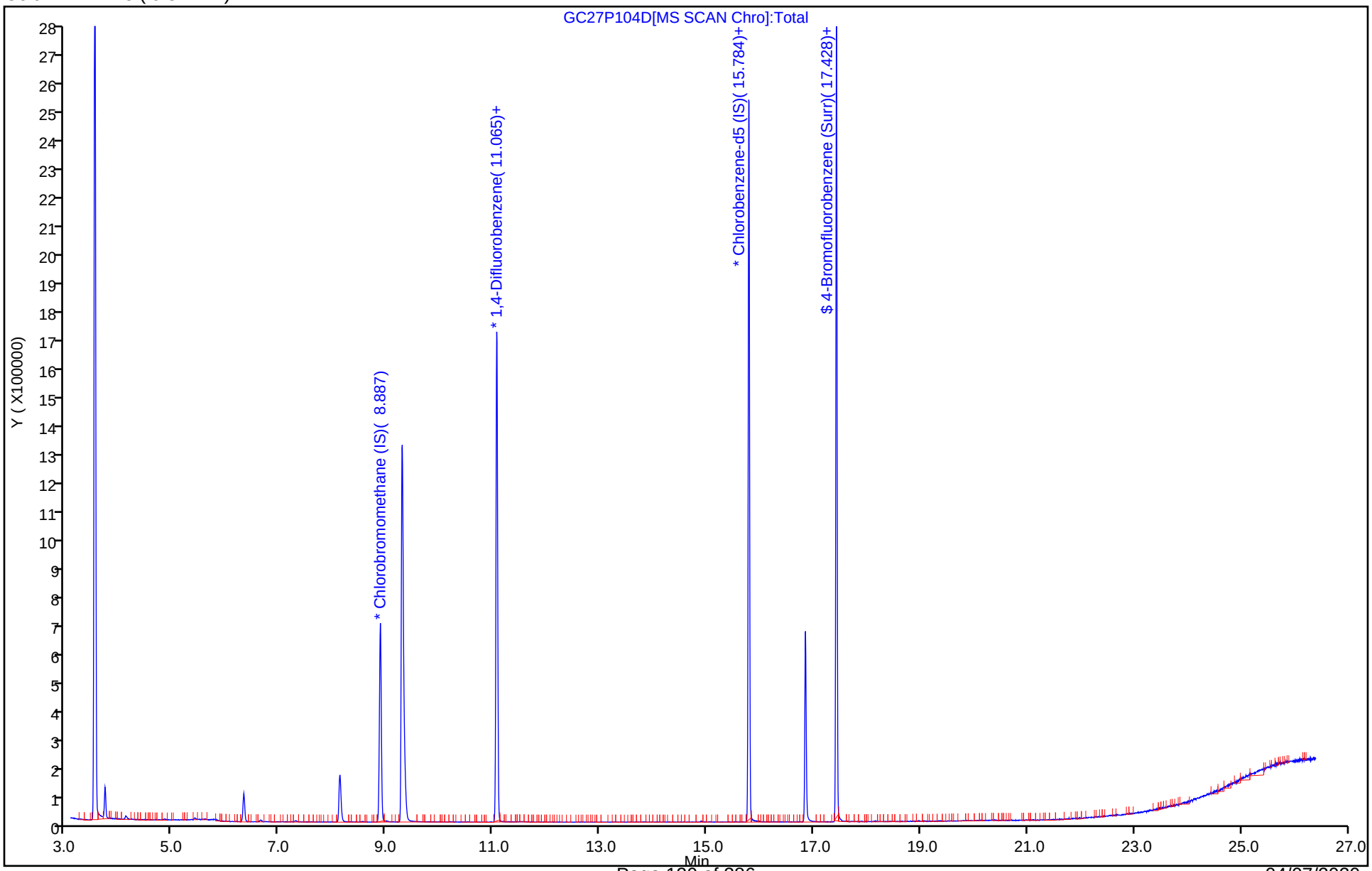
Report Date: 30-Mar-2020 10:01:11 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P104D.D

Injection Date:	27-Mar-2020 16:54:30	Instrument ID:	MG	Operator ID:	7126
Lims ID:	140-18683-A-5	Lab Sample ID:	140-18683-5	Worklist Smp#:	11
Client ID:	OFFSITE DDC INF				
Purge Vol:	500.000 mL	Dil. Factor:	36.6000	ALS Bottle#:	4
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P104D.D				
Lims ID:	140-18683-A-5				
Client ID:	OFFSITE DDC INF				
Sample Type:	Client				
Inject. Date:	27-Mar-2020 16:54:30	ALS Bottle#:	4	Worklist Smp#:	11
Purge Vol:	500.000 mL	Dil. Factor:	36.6000		
Sample Info:	140-0015043-011				
Misc. Info.:	140-18683-a-5@36.60				
Operator ID:	7126	Instrument ID:	MG		
Method:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	30-Mar-2020 10:01:10	Calib Date:	13-Mar-2020 00:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0312				
First Level Reviewer: khachitpongpanits		Date:	30-Mar-2020 10:01:10		

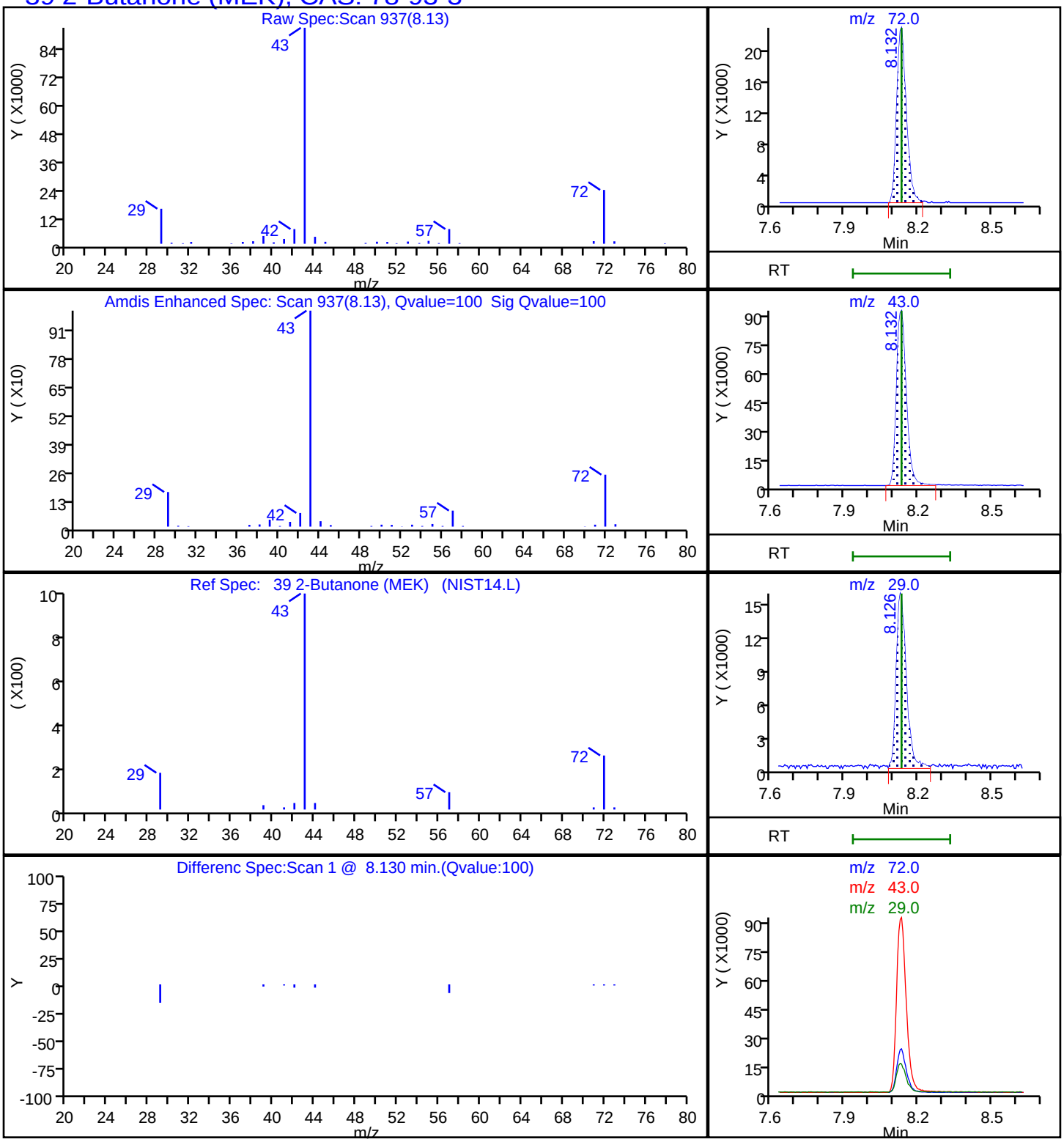
Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	4.09	102.27

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P104D.D

Injection Date:	27-Mar-2020 16:54:30	Instrument ID:	MG		
Lims ID:	140-18683-A-5	Lab Sample ID:	140-18683-5		
Client ID:	OFFSITE DDC INF				
Operator ID:	7126	ALS Bottle#:	4	Worklist Smp#:	11
Purge Vol:	500.000 mL	Dil. Factor:	36.6000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

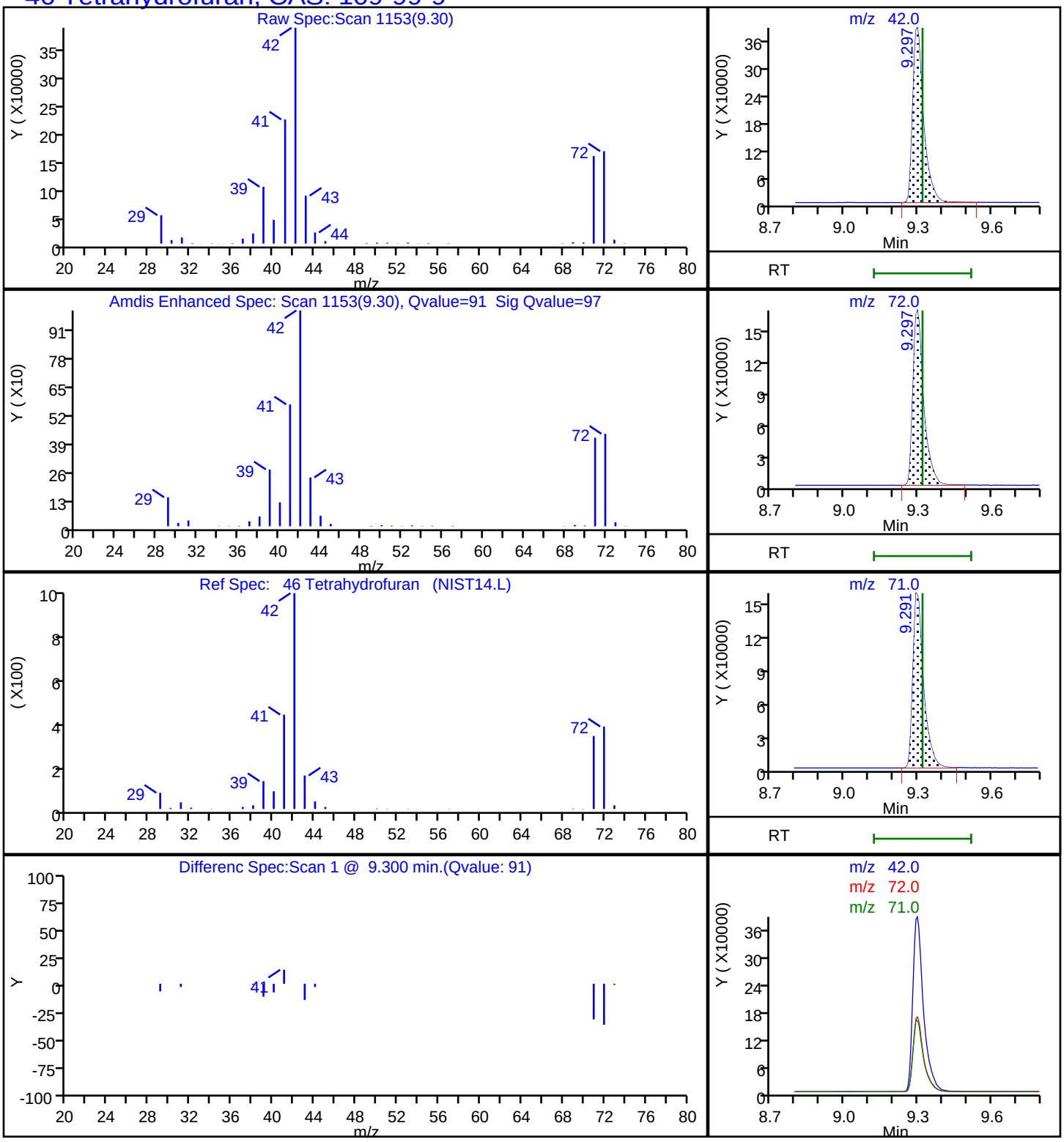
39 2-Butanone (MEK), CAS: 78-93-3



Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P104D.D		
Injection Date:	27-Mar-2020 16:54:30	Instrument ID:	MG
Lims ID:	140-18683-A-5	Lab Sample ID:	140-18683-5
Client ID:	OFFSITE DDC INF		
Operator ID:	7126	ALS Bottle#:	4 Worklist Smp#: 11
Purge Vol:	500.000 mL	Dil. Factor:	36.6000
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

46 Tetrahydrofuran, CAS: 109-99-9



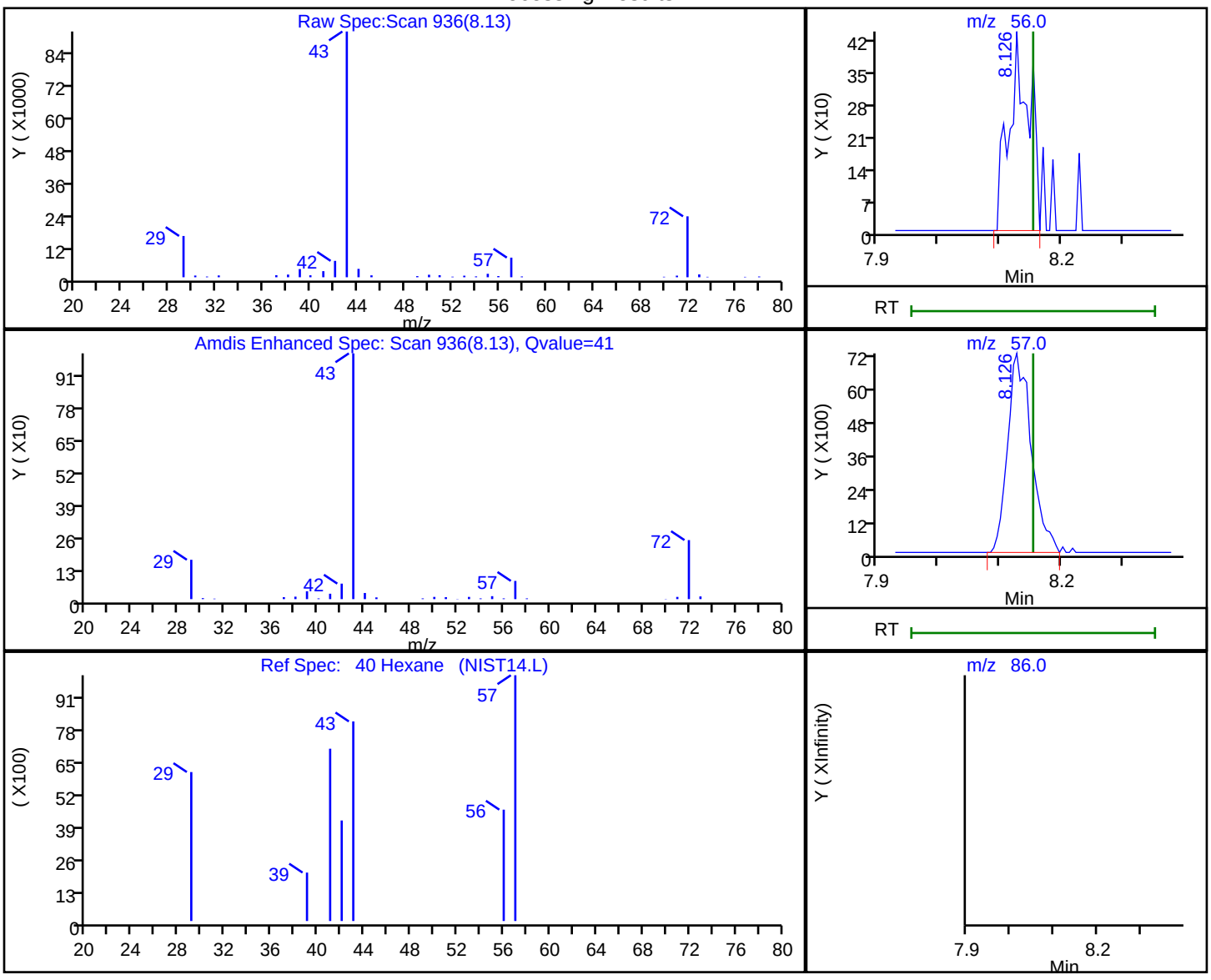
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P104D.D				
Injection Date:	27-Mar-2020 16:54:30	Instrument ID:	MG		
Lims ID:	140-18683-A-5	Lab Sample ID:	140-18683-5		
Client ID:	OFFSITE DDC INF				
Operator ID:	7126	ALS Bottle#:	4	Worklist Smp#:	11
Purge Vol:	500.000 mL	Dil. Factor:	36.6000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

40 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
8.13	56.00	999	0.017899
8.13	57.00	19686	
8.15	86.00	0	

Reviewer: khachitpongpanits, 30-Mar-2020 10:00:44

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.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC INF DL Lab Sample ID: 140-18683-5 DL

Matrix: Air Lab File ID: HC30P107.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:40

Sample wt/vol: 10(mL) Date Analyzed: 03/30/2020 19:25

Soil Aliquot Vol: Dilution Factor: 36.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38705 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
109-99-9	Tetrahydrofuran	72.11	13000		730	

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.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC INF DL Lab Sample ID: 140-18683-5 DL

Matrix: Air Lab File ID: HC30P107.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:40

Sample wt/vol: 10(mL) Date Analyzed: 03/30/2020 19:25

Soil Aliquot Vol: Dilution Factor: 36.6

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38705 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
109-99-9	Tetrahydrofuran	72.11	39000		2200	

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

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\HC30P107.D
Lims ID: 140-18683-A-5
Client ID: OFFSITE DDC INF
Sample Type: Client
Inject. Date: 30-Mar-2020 19:25:30 ALS Bottle#: 7 Worklist Smp#: 13
Purge Vol: 500.000 mL Dil. Factor: 36.6000
Sample Info: 140-0015074-013
Misc. Info.: 140-18683-a-5@36.60
Operator ID: HMT Instrument ID: MH

Method: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 31-Mar-2020 13:14:09 Calib Date: 18-Mar-2020 11:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0306

First Level Reviewer: smelcerb Date: 31-Mar-2020 10:20:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.587	8.587	0.000	97	103693	4.00	
* 2 1,4-Difluorobenzene	114	10.789	10.794	-0.005	96	693560	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.575	0.000	90	542583	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.224	17.244	-0.020	87	352339	3.83	
17 Ethanol	31	4.587	4.587	0.021	69	775	0.0514	7M
39 2-Butanone (MEK)	72	7.828	7.828	0.000	98	18292	0.7602	
46 Tetrahydrofuran	42	8.985	9.001	-0.016	94	383257	7.31	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection
Review Flags
M - Manually Integrated

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

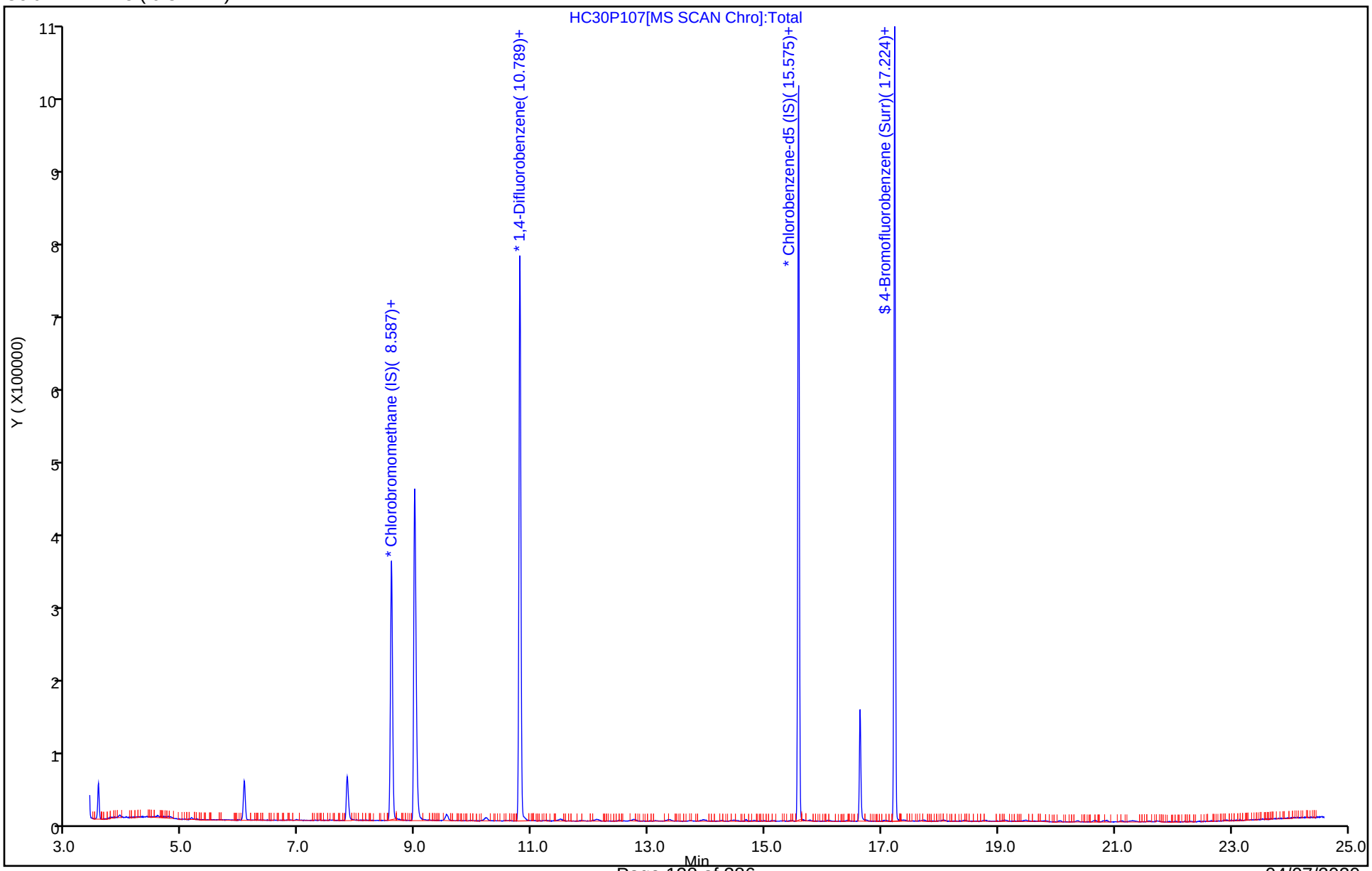
Report Date: 31-Mar-2020 13:30:34 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\HC30P107.D

Injection Date:	30-Mar-2020 19:25:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	140-18683-A-5	Lab Sample ID:	140-18683-5	Worklist Smp#:	13
Client ID:	OFFSITE DDC INF				
Purge Vol:	500.000 mL	Dil. Factor:	36.6000	ALS Bottle#:	7
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

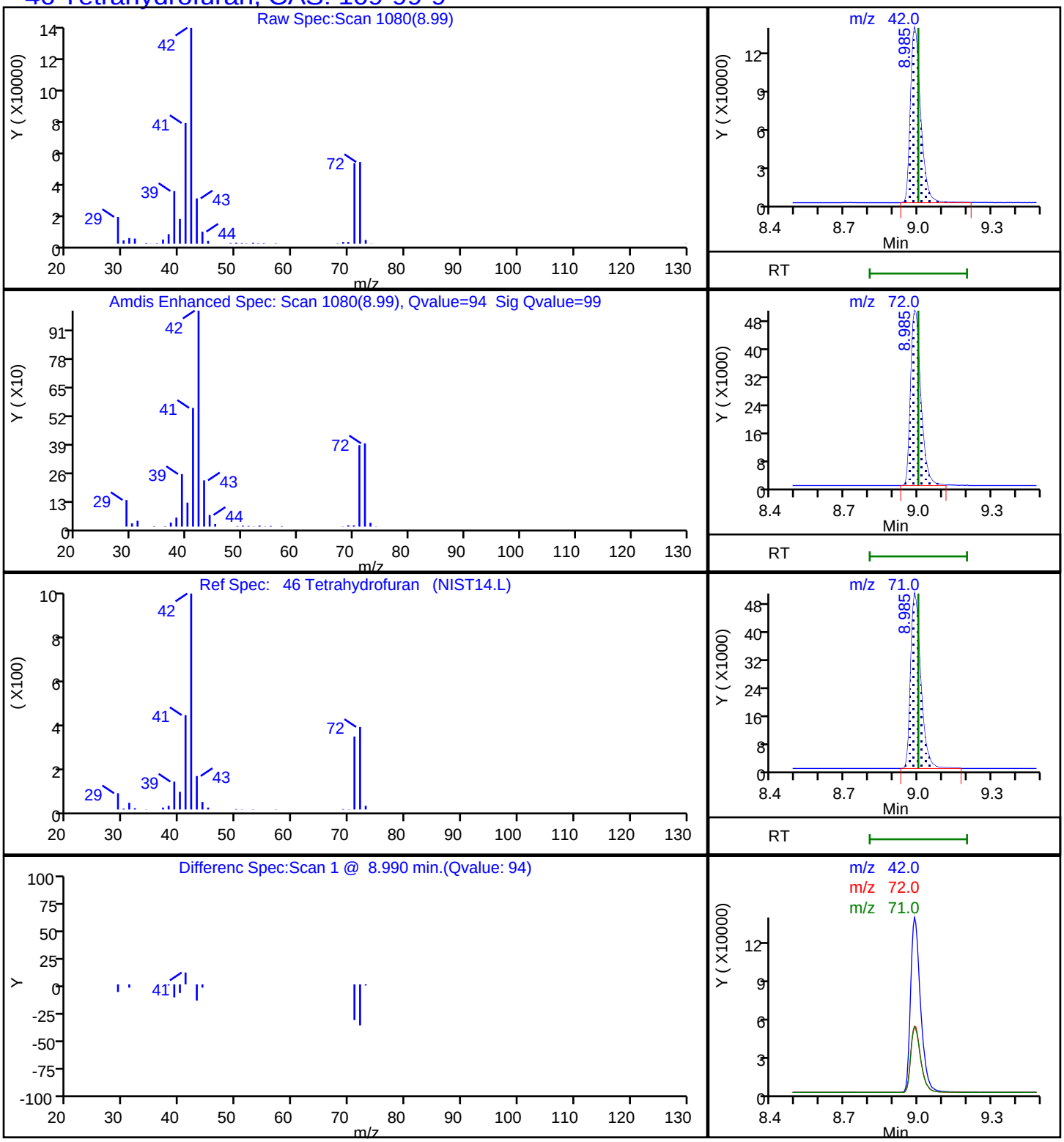
Data File:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\HC30P107.D				
Lims ID:	140-18683-A-5				
Client ID:	OFFSITE DDC INF				
Sample Type:	Client				
Inject. Date:	30-Mar-2020 19:25:30	ALS Bottle#:	7	Worklist Smp#:	13
Purge Vol:	500.000 mL	Dil. Factor:	36.6000		
Sample Info:	140-0015074-013				
Misc. Info.:	140-18683-a-5@36.60				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	31-Mar-2020 13:14:09	Calib Date:	18-Mar-2020 11:50:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0306				
First Level Reviewer: smelcerb		Date:	31-Mar-2020 10:20:06		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.83	95.77

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\HC30P107.D		
Injection Date:	30-Mar-2020 19:25:30	Instrument ID:	MH
Lims ID:	140-18683-A-5	Lab Sample ID:	140-18683-5
Client ID:	OFFSITE DDC INF		
Operator ID:	HMT	ALS Bottle#:	7 Worklist Smp#: 13
Purge Vol:	500.000 mL	Dil. Factor:	36.6000
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

46 Tetrahydrofuran, CAS: 109-99-9



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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC MID 1 Lab Sample ID: 140-18683-6

Matrix: Air Lab File ID: GC27P105.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:36

Sample wt/vol: 11(mL) Date Analyzed: 03/27/2020 18:25

Soil Aliquot Vol: Dilution Factor: 5.57

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		20	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		20	
79-00-5	1,1,2-Trichloroethane	133.41	ND		20	
75-34-3	1,1-Dichloroethane	98.96	ND		20	
75-35-4	1,1-Dichloroethene	96.94	ND		10	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		20	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		20	
106-93-4	1,2-Dibromoethane	187.87	ND		20	
95-50-1	1,2-Dichlorobenzene	147.00	ND		20	
107-06-2	1,2-Dichloroethane	98.96	ND		20	
78-87-5	1,2-Dichloropropane	112.99	ND		20	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		20	
106-99-0	1,3-Butadiene	54.09	ND		41	
541-73-1	1,3-Dichlorobenzene	147.00	ND		20	
106-46-7	1,4-Dichlorobenzene	147.00	ND		20	
123-91-1	1,4-Dioxane	88.11	ND		51	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		51	
78-93-3	2-Butanone	72.11	520		81	
591-78-6	2-Hexanone	100.20	ND		51	
67-63-0	2-Propanol	60.10	ND		200	
107-05-1	3-Chloropropene	76.53	ND		20	
622-96-8	4-Ethyltoluene	120.20	ND		41	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		51	
67-64-1	Acetone	58.08	ND		510	
100-44-7	alpha-Chlorotoluene	126.58	ND		41	
71-43-2	Benzene	78.11	ND		20	
75-27-4	Bromodichloromethane	163.83	ND		20	
75-25-2	Bromoform	252.75	ND		20	
74-83-9	Bromomethane	94.94	ND		20	
75-15-0	Carbon disulfide	76.14	ND		51	
56-23-5	Carbon tetrachloride	153.81	ND		8.1	
108-90-7	Chlorobenzene	112.56	ND		20	
75-00-3	Chloroethane	64.52	ND		20	
67-66-3	Chloroform	119.38	ND		20	
74-87-3	Chloromethane	50.49	ND		51	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC MID 1 Lab Sample ID: 140-18683-6

Matrix: Air Lab File ID: GC27P105.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:36

Sample wt/vol: 11(mL) Date Analyzed: 03/27/2020 18:25

Soil Aliquot Vol: Dilution Factor: 5.57

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		10	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		20	
98-82-8	Cumene	120.19	ND		41	
110-82-7	Cyclohexane	84.16	ND		51	
124-48-1	Dibromochloromethane	208.29	ND		20	
64-17-5	Ethanol	46.07	ND		510	
100-41-4	Ethylbenzene	106.17	ND		20	
75-69-4	Freon 11	137.37	ND		20	
76-13-1	Freon 113	187.38	ND		20	
75-71-8	Freon 12	120.91	ND		20	
76-14-2	Freon-114	170.92	ND		20	
142-82-5	Heptane	100.21	ND		51	
87-68-3	Hexachlorobutadiene	260.76	ND		20	
110-54-3	Hexane	86.17	ND		51	
1634-04-4	Methyl tert-butyl ether	88.15	ND		41	
75-09-2	Methylene Chloride	84.93	ND		100	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		20	
95-47-6	o-Xylene	106.17	ND		20	
103-65-1	Propylbenzene	120.19	ND		41	
100-42-5	Styrene	104.15	ND		20	
127-18-4	Tetrachloroethene	165.83	ND		20	
109-99-9	Tetrahydrofuran	72.11	2800		100	
108-88-3	Toluene	92.14	ND		30	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		20	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		20	
79-01-6	Trichloroethene	131.39	ND		9.1	
75-01-4	Vinyl chloride	62.50	ND		10	

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.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC MID 1 Lab Sample ID: 140-18683-6

Matrix: Air Lab File ID: GC27P105.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:36

Sample wt/vol: 11(mL) Date Analyzed: 03/27/2020 18:25

Soil Aliquot Vol: Dilution Factor: 5.57

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	ND		110	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	ND		140	
79-00-5	1,1,2-Trichloroethane	133.41	ND		110	
75-34-3	1,1-Dichloroethane	98.96	ND		82	
75-35-4	1,1-Dichloroethene	96.94	ND		40	
120-82-1	1,2,4-Trichlorobenzene	181.45	ND		150	
95-63-6	1,2,4-Trimethylbenzene	120.20	ND		100	
106-93-4	1,2-Dibromoethane	187.87	ND		160	
95-50-1	1,2-Dichlorobenzene	147.00	ND		120	
107-06-2	1,2-Dichloroethane	98.96	ND		82	
78-87-5	1,2-Dichloropropane	112.99	ND		94	
108-67-8	1,3,5-Trimethylbenzene	120.20	ND		100	
106-99-0	1,3-Butadiene	54.09	ND		90	
541-73-1	1,3-Dichlorobenzene	147.00	ND		120	
106-46-7	1,4-Dichlorobenzene	147.00	ND		120	
123-91-1	1,4-Dioxane	88.11	ND		180	
540-84-1	2,2,4-Trimethylpentane	114.23	ND		240	
78-93-3	2-Butanone	72.11	1500		240	
591-78-6	2-Hexanone	100.20	ND		210	
67-63-0	2-Propanol	60.10	ND		500	
107-05-1	3-Chloropropene	76.53	ND		63	
622-96-8	4-Ethyltoluene	120.20	ND		200	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	ND		210	
67-64-1	Acetone	58.08	ND		1200	
100-44-7	alpha-Chlorotoluene	126.58	ND		210	
71-43-2	Benzene	78.11	ND		65	
75-27-4	Bromodichloromethane	163.83	ND		140	
75-25-2	Bromoform	252.75	ND		210	
74-83-9	Bromomethane	94.94	ND		79	
75-15-0	Carbon disulfide	76.14	ND		160	
56-23-5	Carbon tetrachloride	153.81	ND		51	
108-90-7	Chlorobenzene	112.56	ND		93	
75-00-3	Chloroethane	64.52	ND		53	
67-66-3	Chloroform	119.38	ND		99	
74-87-3	Chloromethane	50.49	ND		100	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: OFFSITE DDC MID 1 Lab Sample ID: 140-18683-6

Matrix: Air Lab File ID: GC27P105.D

Analysis Method: TO 15 LL Date Collected: 03/24/2020 12:36

Sample wt/vol: 11(mL) Date Analyzed: 03/27/2020 18:25

Soil Aliquot Vol: Dilution Factor: 5.57

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	ND		40	
10061-01-5	cis-1,3-Dichloropropene	110.97	ND		92	
98-82-8	Cumene	120.19	ND		200	
110-82-7	Cyclohexane	84.16	ND		170	
124-48-1	Dibromochloromethane	208.29	ND		170	
64-17-5	Ethanol	46.07	ND		950	
100-41-4	Ethylbenzene	106.17	ND		88	
75-69-4	Freon 11	137.37	ND		110	
76-13-1	Freon 113	187.38	ND		160	
75-71-8	Freon 12	120.91	ND		100	
76-14-2	Freon-114	170.92	ND		140	
142-82-5	Heptane	100.21	ND		210	
87-68-3	Hexachlorobutadiene	260.76	ND		220	
110-54-3	Hexane	86.17	ND		180	
1634-04-4	Methyl tert-butyl ether	88.15	ND		150	
75-09-2	Methylene Chloride	84.93	ND		350	
179601-23-1	m-Xylene & p-Xylene	106.17	ND		88	
95-47-6	o-Xylene	106.17	ND		88	
103-65-1	Propylbenzene	120.19	ND		200	
100-42-5	Styrene	104.15	ND		86	
127-18-4	Tetrachloroethene	165.83	ND		140	
109-99-9	Tetrahydrofuran	72.11	8200		300	
108-88-3	Toluene	92.14	ND		110	
156-60-5	trans-1,2-Dichloroethene	96.94	ND		80	
10061-02-6	trans-1,3-Dichloropropene	110.97	ND		92	
79-01-6	Trichloroethene	131.39	ND		49	
75-01-4	Vinyl chloride	62.50	ND		26	

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

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P105.D				
Lims ID:	140-18683-A-6				
Client ID:	OFFSITE DDC MID 1				
Sample Type:	Client				
Inject. Date:	27-Mar-2020 18:25:30	ALS Bottle#:	5	Worklist Smp#:	13
Purge Vol:	500.000 mL	Dil. Factor:	5.5700		
Sample Info:	140-0015043-013				
Misc. Info.:	140-18683-a-6@5.57				
Operator ID:	7126	Instrument ID:	MG		
Method:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	30-Mar-2020 10:02:59	Calib Date:	13-Mar-2020 00:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0312				
First Level Reviewer: khachitpongpanits		Date:	30-Mar-2020 10:02:59		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.903	8.892	0.011	95	240772	4.00	
* 2 1,4-Difluorobenzene	114	11.081	11.076	0.005	96	1788917	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.794	15.789	0.005	90	1514357	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.428	17.428	0.000	82	1042592	3.85	
39 2-Butanone (MEK)	72	8.159	8.132	0.027	100	73232	2.04	
46 Tetrahydrofuran	42	9.324	9.318	0.006	92	846583	11.0	

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

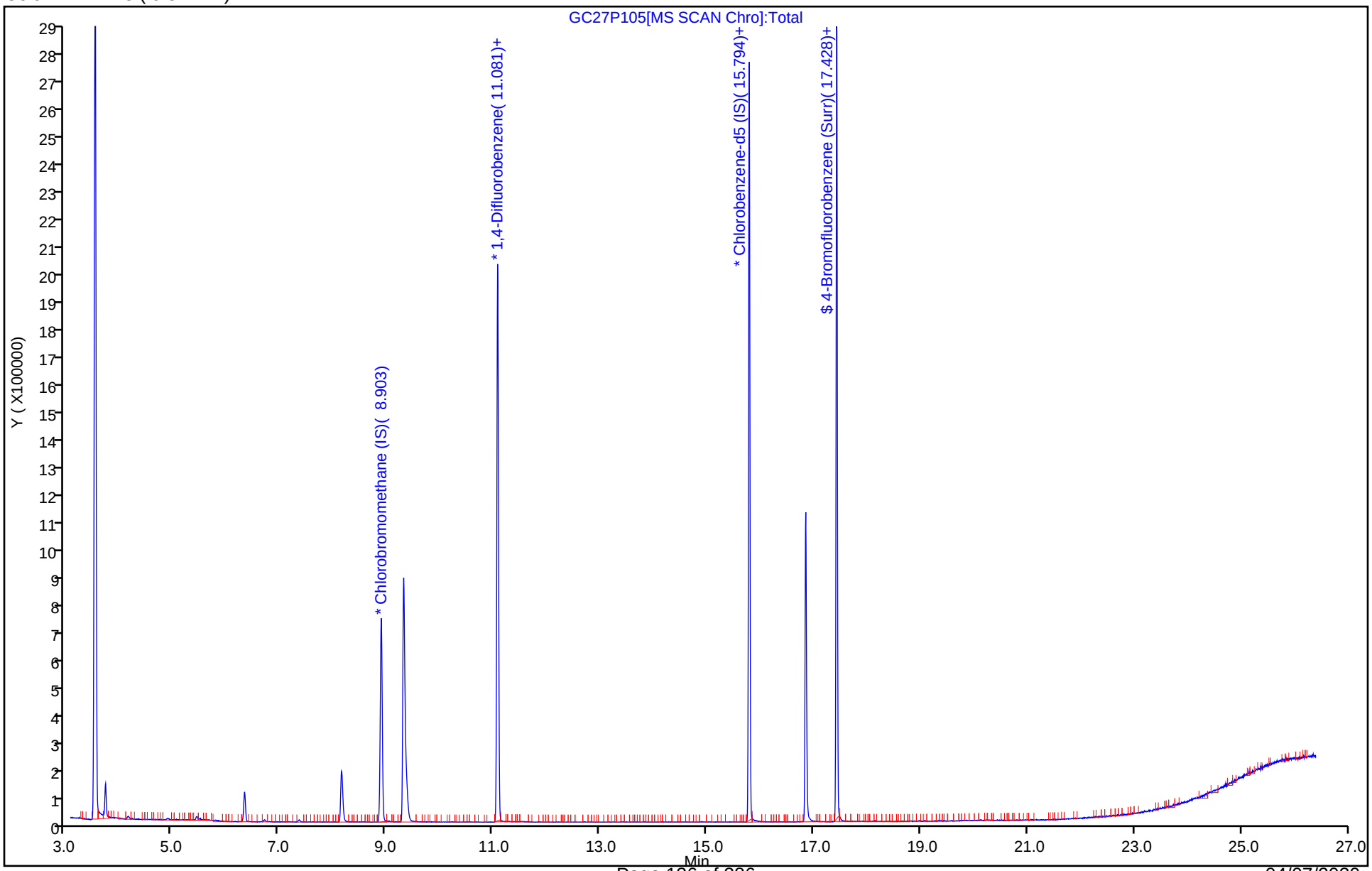
Report Date: 30-Mar-2020 10:03:00 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P105.D

Injection Date:	27-Mar-2020 18:25:30	Instrument ID:	MG	Operator ID:	7126
Lims ID:	140-18683-A-6	Lab Sample ID:	140-18683-6	Worklist Smp#:	13
Client ID:	OFFSITE DDC MID 1				
Purge Vol:	500.000 mL	Dil. Factor:	5.5700	ALS Bottle#:	5
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

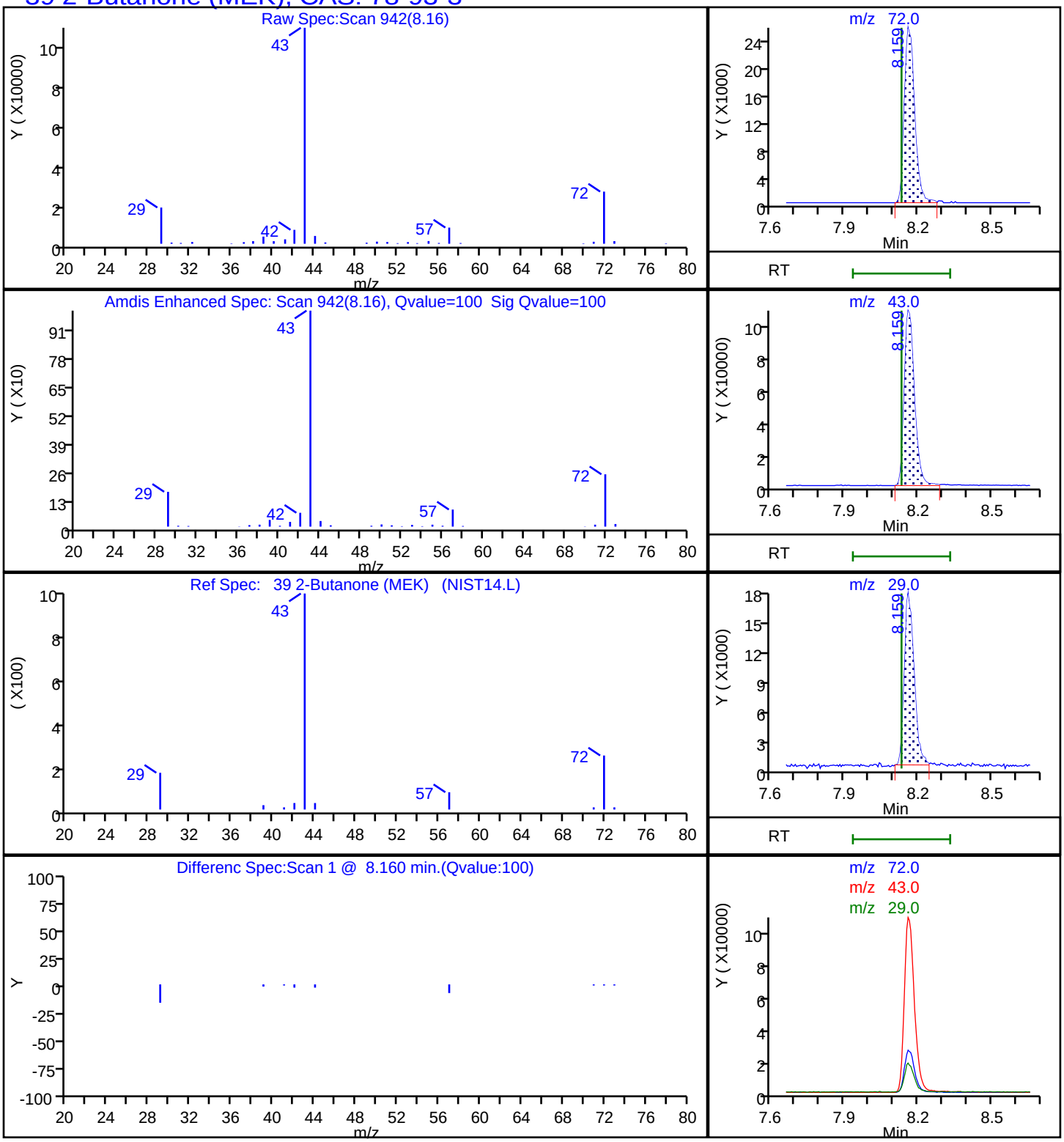
Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P105.D				
Lims ID:	140-18683-A-6				
Client ID:	OFFSITE DDC MID 1				
Sample Type:	Client				
Inject. Date:	27-Mar-2020 18:25:30	ALS Bottle#:	5	Worklist Smp#:	13
Purge Vol:	500.000 mL	Dil. Factor:	5.5700		
Sample Info:	140-0015043-013				
Misc. Info.:	140-18683-a-6@5.57				
Operator ID:	7126	Instrument ID:	MG		
Method:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	30-Mar-2020 10:02:59	Calib Date:	13-Mar-2020 00:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0312				
First Level Reviewer: khachitpongpanits		Date:	30-Mar-2020 10:02:59		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.85	96.25

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P105.D
Injection Date: 27-Mar-2020 18:25:30 Instrument ID: MG
Lims ID: 140-18683-A-6 Lab Sample ID: 140-18683-6
Client ID: OFFSITE DDC MID 1
Operator ID: 7126 ALS Bottle#: 5 Worklist Smp#: 13
Purge Vol: 500.000 mL Dil. Factor: 5.5700
Method: MG_TO15 Limit Group: MSA TO14A_15 Routine ICAL
Column: RTX-5 (0.32 mm) Detector MS SCAN

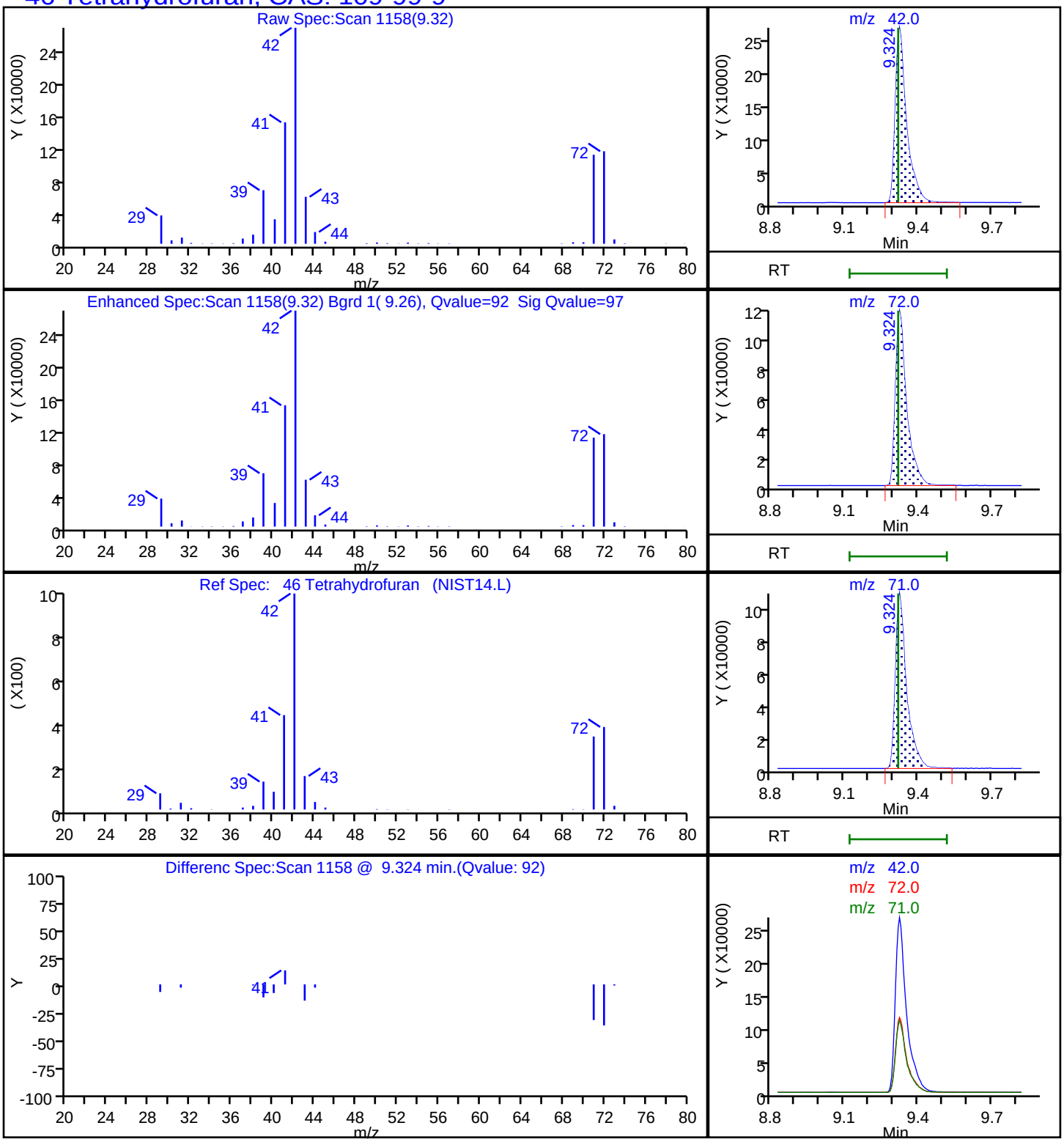
39 2-Butanone (MEK), CAS: 78-93-3



Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P105.D		
Injection Date:	27-Mar-2020 18:25:30	Instrument ID:	MG
Lims ID:	140-18683-A-6	Lab Sample ID:	140-18683-6
Client ID:	OFFSITE DDC MID 1		
Operator ID:	7126	ALS Bottle#:	5 Worklist Smp#: 13
Purge Vol:	500.000 mL	Dil. Factor:	5.5700
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN

46 Tetrahydrofuran, CAS: 109-99-9



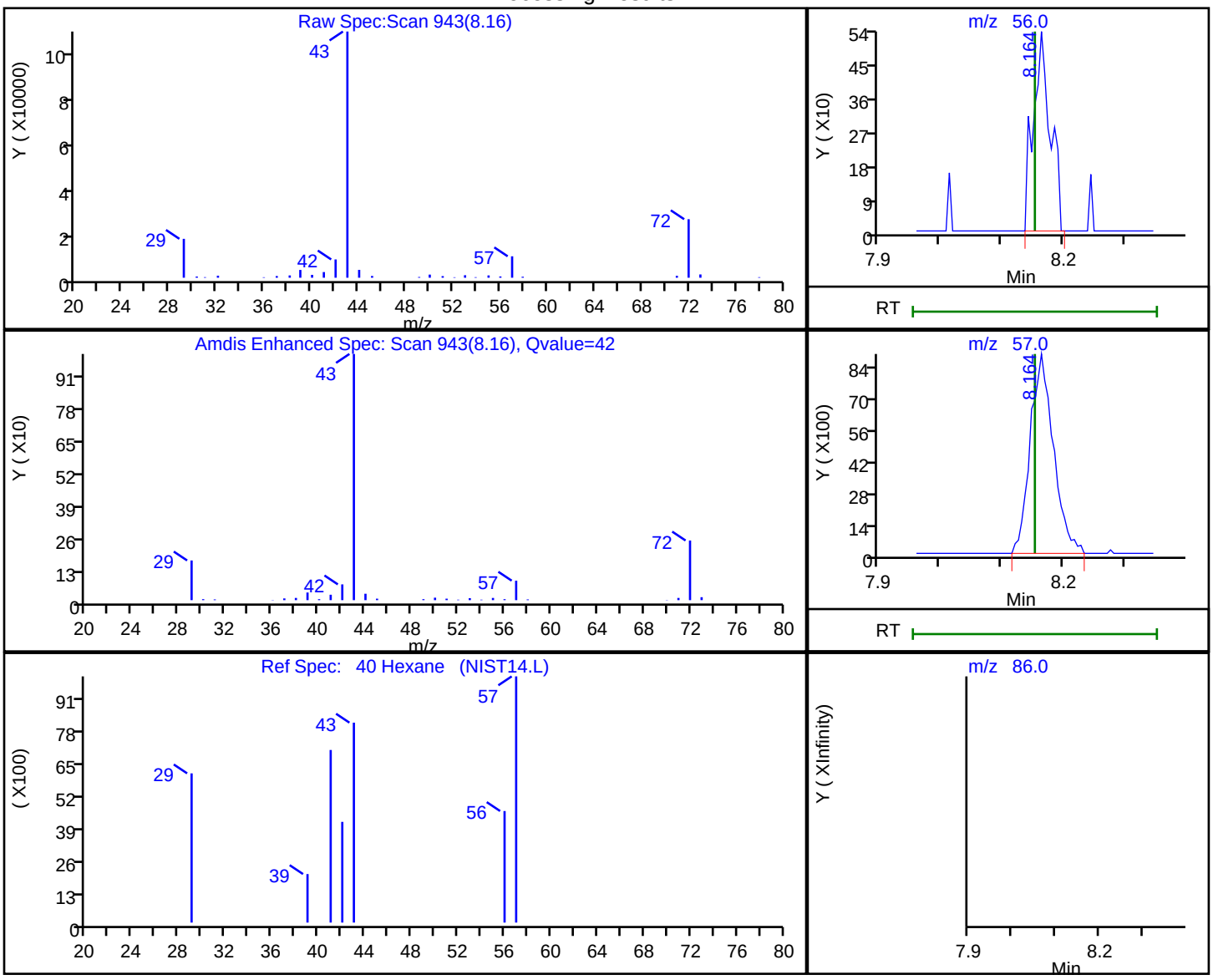
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GC27P105.D				
Injection Date:	27-Mar-2020 18:25:30	Instrument ID:	MG		
Lims ID:	140-18683-A-6	Lab Sample ID:	140-18683-6		
Client ID:	OFFSITE DDC MID 1				
Operator ID:	7126	ALS Bottle#:	5	Worklist Smp#:	13
Purge Vol:	500.000 mL	Dil. Factor:	5.5700		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

40 Hexane, CAS: 110-54-3

Processing Results



RT	Mass	Response	Amount
8.16	56.00	1029	0.016230
8.16	57.00	23596	
8.15	86.00	0	

Reviewer: khachitpongpanits, 30-Mar-2020 10:02:41

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-38280/3	GC12IC01.D
Level 2	IC 140-38280/4	GC12IC02.D
Level 3	IC 140-38280/5	GC12IC03.D
Level 4	IC 140-38280/6	GC12IC04.D
Level 5	IC 140-38280/7	GC12IC05.D
Level 6	IC 140-38280/8	GC12IC06.D
Level 7	ICIS 140-38280/9	GC12IC07.D
Level 8	IC 140-38280/11	GC12IC08.D
Level 9	IC 140-38280/13	GC12IC09.D
Level 10	IC 140-38280/15	GC12IC10.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	+++++ 2.1968	2.3688 2.0425	2.3365 2.1724	2.4450 2.1193	2.4268 2.2107	Ave		2.2576				6.3		30.0			
Propene	+++++ 1.8438	+++++ 1.3082	+++++ 1.2370	+++++ 1.1291	+++++ 1.0806	Lin2	0.7893	1.0139							0.9940		0.9900
Freon 12	4.4379 3.9977	4.3777 3.8541	4.3277 4.0108	4.2048 3.9948	4.5655 4.3418	Ave		4.2113				5.6		30.0			
Chloromethane	+++++ 0.4181	+++++ 0.3371	+++++ 0.3727	0.4249 0.3390	0.4734 0.3367	Ave		0.3860				13.9		30.0			
Freon-114	3.0725 2.7010	2.8841 2.5398	2.8670 2.7249	2.7954 2.6026	2.9834 2.8517	Ave		2.8022				5.9		30.0			
Vinyl chloride	1.5476 1.4984	1.6019 1.3156	1.5674 1.4118	1.4775 1.2853	1.5699 1.4018	Ave		1.4677				7.5		30.0			
Butane	+++++ 2.1226	+++++ 1.8794	2.3771 1.9694	2.2594 1.7643	2.2900 2.0078	Ave		2.0837				10.3		30.0			
1,3-Butadiene	+++++ 1.0481	+++++ 0.9544	1.0292 1.0160	1.0460 0.9366	1.0915 1.0582	Ave		1.0225				5.1		30.0			
Bromomethane	+++++ 1.4222	+++++ 1.2882	1.5548 1.3684	1.4818 1.2833	1.5203 1.4560	Ave		1.4219				7.1		30.0			
Chloroethane	+++++ 0.7233	+++++ 0.6397	0.7749 0.6677	0.7101 0.6102	0.7494 0.7154	Ave		0.6988				8.0		30.0			
Ethanol	+++++ 0.4902	+++++ 0.4860	+++++ 0.4801	0.5058 0.4239	0.4791 0.4862	Ave		0.4788				5.4		30.0			
Vinyl bromide	1.3681 1.3792	1.3102 1.2663	1.3623 1.3066	1.3488 1.2325	1.4200 1.5026	Ave		1.3497				5.7		30.0			
2-Methylbutane	+++++ 1.4363	+++++ 1.2460	1.3528 1.2497	1.3760 1.1448	1.4168 1.4545	Ave		1.3346				8.2		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.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

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	4.8259 4.4053	4.5544 4.1282	4.5659 4.3155	4.3814 4.1332	4.7292 4.8876	Ave		4.4926				6.0		30.0			
Acrolein	+++++ 0.2252	+++++ 0.2004	+++++ 0.2351	0.2252 0.1595	0.2528 0.2560	Ave		0.2220				15.0		30.0			
Acetonitrile	+++++ 0.4388	+++++ 0.3633	+++++ 0.3598	0.4717 0.3377	0.3888 0.3945	Ave		0.3935				12.0		30.0			
Acetone	+++++ 0.5643	+++++ 0.4361	+++++ 0.4160	+++++ 0.3972	0.6011 0.4171	Ave		0.4720				18.5		30.0			
Pentane	+++++ 0.2401	+++++ 0.2111	+++++ 0.2161	0.2476 0.2123	0.2482 0.2548	Ave		0.2329				8.2		30.0			
2-Propanol	+++++ 1.2831	+++++ 1.2453	1.3919 1.2334	1.2181 1.1475	1.2148 1.2666	Ave		1.2501				5.6		30.0			
Ethyl ether	+++++ 0.9025	+++++ 0.8148	+++++ 0.8576	0.8257 0.7784	0.8228 0.9014	Ave		0.8433				5.5		30.0			
1,1-Dichloroethene	+++++ 1.3988	1.3209 1.3349	1.4130 1.3396	1.3696 1.3196	1.4391 1.4455	Ave		1.3757				3.6		30.0			
Acrylonitrile	+++++ 0.7969	+++++ 0.7918	0.8631 0.8004	0.7839 0.7367	0.8079 0.7778	Ave		0.7948				4.4		30.0			
tert-Butyl alcohol	+++++ 1.7491	+++++ 1.9920	2.1504 1.9837	1.8439 1.9249	1.8507 2.1413	Ave		1.9545				7.3		30.0			
Freon 113	3.3964 3.2124	3.2761 2.9826	3.1094 3.0107	3.1132 2.9716	3.2384 3.3133	Ave		3.1624				4.7		30.0			
Methylene Chloride	+++++ 2.1077	+++++ 1.5786	+++++ 1.3944	+++++ 1.2502	3.4092 1.2816	Lin2	0.8962	1.1742							0.9980		0.9900
3-Chloropropene	+++++ 1.1939	+++++ 1.1318	1.2216 1.1489	1.1750 1.0868	1.1612 1.3250	Ave		1.1805				6.0		30.0			
Carbon disulfide	+++++ 3.9328	+++++ 3.7703	3.9446 3.7302	4.0406 3.5902	4.2254 3.9247	Ave		3.8948				5.0		30.0			
trans-1,2-Dichloroethene	1.5765 1.4195	1.4826 1.3809	1.3945 1.4145	1.3716 1.3722	1.4856 1.4417	Ave		1.4340				4.5		30.0			
2-Methylpentane	+++++ 3.0135	+++++ 2.9022	2.8824 2.8956	2.8595 2.7668	3.1273 2.8403	Ave		2.9109				3.8		30.0			
Methyl tert-butyl ether	3.4011 3.5013	3.5085 3.5675	3.2661 3.5361	3.0973 3.4527	3.3317 3.7084	Ave		3.4371				5.0		30.0			
1,1-Dichloroethane	2.6603 2.4986	2.8032 2.4645	2.6512 2.4675	2.5435 2.4246	2.6542 2.6943	Ave		2.5862				4.8		30.0			
Vinyl acetate	2.4142 2.6269	2.4194 2.7879	2.5835 2.9042	2.2997 2.7862	2.4850 3.0729	Ave		2.6380				9.3		30.0			
2-Butanone	+++++ 0.5694	+++++ 0.5898	+++++ 0.5880	0.6841 0.5648	0.6060 0.5728	Ave		0.5964				6.9		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

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	+++++ 1.0170	+++++ 1.0285	1.1495 1.0365	1.0423 0.9842	1.0524 1.1159	Ave		1.0533				5.1		30.0			
cis-1,2-Dichloroethene	1.5610 1.4287	1.4388 1.4166	1.4163 1.4388	1.4063 1.4375	1.4571 1.5878	Ave		1.4589				4.3		30.0			
Ethyl acetate	2.2099 2.2884	2.2430 2.4081	2.0562 2.4202	2.1119 2.3480	2.1830 2.4548	Ave		2.2723				6.0		30.0			
Chloroform	3.5135 3.0701	3.4406 3.0387	3.2510 3.0801	3.1369 3.0253	3.2494 3.3900	Ave		3.2196				5.5		30.0			
Tetrahydrofuran	+++++ 1.2733	+++++ 1.3358	1.3360 1.3117	1.1671 1.2724	1.2122 1.3332	Ave		1.2802				4.9		30.0			
1,1,1-Trichloroethane	3.7993 3.3698	3.3615 3.3598	3.4690 3.4213	3.2885 3.4174	3.4715 3.9416	Ave		3.4900				6.0		30.0			
1,2-Dichloroethane	0.2933 0.2818	0.2969 0.2762	0.2994 0.2868	0.2833 0.2923	0.3097 0.3487	Ave		0.2968				7.0		30.0			
Benzene	+++++ 0.5779	0.5781 0.5491	0.6415 0.5667	0.5825 0.5455	0.6525 0.6252	Ave		0.5910				6.6		30.0			
Cyclohexane	+++++ 0.1023	+++++ 0.0960	0.0942 0.1004	0.0951 0.0976	0.1118 0.1111	Ave		0.1011				6.9		30.0			
1-Butanol	+++++ 0.0448	+++++ 0.0505	+++++ 0.0525	0.0516 0.0531	0.0510 0.0587	Ave		0.0517				8.0		30.0			
Carbon tetrachloride	0.4195 0.5059	0.4136 0.4997	0.4262 0.5228	0.4483 0.5285	0.4429 0.6637	Ave		0.4871				15.6		30.0			
2,3-Dimethylpentane	+++++ 0.1611	+++++ 0.1474	0.1372 0.1509	0.1453 0.1463	0.1634 0.1649	Ave		0.1521				6.6		30.0			
Thiophene	0.3429 0.3331	0.3341 0.3230	0.3432 0.3331	0.3221 0.3292	0.3751 0.3861	Ave		0.3422				6.3		30.0			
2,2,4-Trimethylpentane	1.0218 1.0056	0.9782 0.9362	0.9803 0.9352	0.9366 0.9028	1.0531 1.0082	Ave		0.9758				4.8		30.0			
Heptane	0.2102 0.2172	0.2004 0.2105	0.2110 0.2176	0.1999 0.2148	0.2211 0.2450	Ave		0.2148				5.9		30.0			
1,2-Dichloropropane	0.2136 0.2170	0.2391 0.2055	0.2279 0.2111	0.2021 0.2079	0.2356 0.2242	Ave		0.2184				5.8		30.0			
Trichloroethene	0.2834 0.2680	0.2827 0.2647	0.2892 0.2767	0.2724 0.2955	0.3028 0.3211	Ave		0.2857				6.0		30.0			
Dibromomethane	+++++ 0.2454	+++++ 0.2345	0.2705 0.2465	0.2534 0.2476	0.2708 0.2810	Ave		0.2562				6.3		30.0			
Bromodichloromethane	0.3908 0.4236	0.3927 0.4222	0.4112 0.4476	0.3941 0.4435	0.4609 0.5224	Ave		0.4309				9.4		30.0			
1,4-Dioxane	0.0784 0.0791	0.0735 0.0843	0.0700 0.0850	0.0698 0.0802	0.0782 0.0809	Ave		0.0779				6.8		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.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

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	+++++ 0.2102	+++++ 0.2134	0.1633 0.2240	0.1750 0.2248	0.1857 0.2468	Ave		0.2054				13.8		30.0			
Methylcyclohexane	0.3634 0.4103	0.3572 0.3928	0.3607 0.4014	0.3541 0.3890	0.4198 0.4429	Ave		0.3892				7.7		30.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.3541	+++++ 0.3626	0.3492 0.3830	0.2993 0.3732	0.3344 0.3972	Ave		0.3566				8.5		30.0			
cis-1,3-Dichloropropene	+++++ 0.2945	+++++ 0.2925	0.2861 0.3098	0.2803 0.3093	0.3212 0.3712	Ave		0.3081				9.4		30.0			
trans-1,3-Dichloropropene	+++++ 0.2894	+++++ 0.2956	0.2784 0.3069	0.2554 0.3150	0.2849 0.3532	Ave		0.2974				9.7		30.0			
Toluene	0.6799 0.7161	0.6422 0.7063	0.6677 0.7296	0.6548 0.7510	0.7172 0.7953	Ave		0.7060				6.6		30.0			
1,1,2-Trichloroethane	0.2032 0.2175	0.1982 0.2111	0.2124 0.2156	0.2090 0.2193	0.2287 0.2285	Ave		0.2144				4.6		30.0			
2-Hexanone	0.1604 0.1813	0.1587 0.1992	0.1692 0.2084	0.1507 0.2144	0.1612 +++++	Ave		0.1782				13.3		30.0			
C8 Range	+++++ 2.2503	+++++ 2.1962	+++++ 2.2173	+++++ 2.2575	2.2076 2.4271	Ave		2.2593				3.8		30.0			
Octane	+++++ 0.2645	+++++ 0.2664	0.2175 0.2729	0.2203 0.2816	0.2536 0.3058	Ave		0.2603				11.4		30.0			
Dibromochloromethane	+++++ 0.4316	+++++ 0.4472	0.3591 0.4814	0.3550 0.5013	0.4188 +++++	Ave		0.4278				13.1		30.0			
1,2-Dibromoethane	0.3044 0.3676	0.3376 0.3626	0.3555 0.3755	0.3479 0.3804	0.3837 0.4181	Ave		0.3633				8.4		30.0			
Tetrachloroethene	0.3077 0.2788	0.2937 0.2737	0.3008 0.2832	0.2807 0.2941	0.2982 0.3358	Ave		0.2947				6.1		30.0			
Chlorobenzene	0.5771 0.5808	0.6133 0.5612	0.5946 0.5782	0.5630 0.5971	0.6312 0.6604	Ave		0.5957				5.3		30.0			
Ethylbenzene	0.7846 0.9460	0.8090 0.9739	0.8682 0.9983	0.8425 1.0366	0.9474 1.1037	Ave		0.9310				11.1		30.0			
m-Xylene & p-Xylene	0.6215 0.7576	0.6038 0.7690	0.6852 0.7884	0.6575 0.8128	0.7576 0.8747	Ave		0.7328				12.0		30.0			
Nonane	0.3767 0.4563	0.3684 0.4653	0.3886 0.4621	0.3675 0.4671	0.4386 0.4841	Ave		0.4275				10.9		30.0			
Bromoform	+++++ 0.3809	+++++ 0.4293	0.2764 0.4800	0.2715 0.4703	0.3262 +++++	Ave		0.3764				23.2		30.0			
Styrene	+++++ 0.5121	+++++ 0.5476	0.3998 0.5757	0.3894 0.6056	0.4781 0.6842	Ave		0.5240				19.3		30.0			
o-Xylene	0.6698 0.8441	0.6864 0.8374	0.7957 0.8448	0.7243 0.8824	0.7941 0.9423	Ave		0.8021				10.8		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.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

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	0.4946 0.5779	0.5063 0.5684	0.5774 0.5721	0.5097 0.5188	0.5572 0.5647	Ave		0.5447				6.1		30.0			
1,2,3-Trichloropropane	0.1574 0.1777	0.1659 0.1762	0.1622 0.1815	0.1626 0.1858	0.1719 0.1933	Ave		0.1734				6.6		30.0			
Cumene	1.0601 1.1220	0.9583 1.1426	1.0477 1.1639	0.9526 1.1898	1.0323 1.2474	Ave		1.0917				9.0		30.0			
Propylbenzene	+++++ 0.2903	+++++ 0.3034	0.2640 0.3149	0.2330 0.3290	0.2681 0.3586	Ave		0.2952				13.6		30.0			
2-Chlorotoluene	+++++ 0.2873	+++++ 0.2886	0.2814 0.2981	0.2509 0.3126	0.2764 0.3465	Ave		0.2927				9.6		30.0			
4-Ethyltoluene	0.8056 1.0718	0.8511 1.0991	0.9038 1.1325	0.8955 1.1737	0.9968 +++++	Ave		0.9922				13.4		30.0			
1,3,5-Trimethylbenzene	+++++ 0.4503	0.3990 0.4696	0.4134 0.4789	0.3630 0.5014	0.4066 0.5509	Ave		0.4481				13.1		30.0			
Alpha Methyl Styrene	+++++ 0.3830	+++++ 0.4361	+++++ 0.4727	0.2512 0.5124	0.3207 0.5588	Ave		0.4193				25.9		30.0			
Decane	+++++ 0.5956	+++++ 0.5825	0.5409 0.5704	0.4914 0.5661	0.5630 0.5770	Ave		0.5609				5.8		30.0			
tert-Butylbenzene	0.8078 1.0402	0.8626 1.0596	0.9853 1.0786	0.8521 1.1315	0.9392 1.2395	Ave		0.9996				13.7		30.0			
1,2,4-Trimethylbenzene	+++++ 0.9563	0.7868 0.9865	0.9262 1.0109	0.7909 1.0504	0.8796 1.1311	Ave		0.9465				12.1		30.0			
sec-Butylbenzene	+++++ 1.3933	1.1318 1.4305	1.3458 1.4673	1.1643 1.5118	1.2630 +++++	Ave		1.3385				10.4		30.0			
1,3-Dichlorobenzene	0.5398 0.6216	0.5697 0.6325	0.6328 0.6632	0.5773 0.7088	0.6306 +++++	Ave		0.6196				8.3		30.0			
alpha-Chlorotoluene	0.4958 0.7018	0.5489 0.7666	0.6153 0.8401	0.5175 0.8947	0.6372 +++++	Ave		0.6687				21.3		30.0			
1,4-Dichlorobenzene	0.5339 0.6133	0.6122 0.6202	0.6351 0.6504	0.5812 0.6889	0.6091 +++++	Ave		0.6160				7.0		30.0			
4-Isopropyltoluene	+++++ 1.1469	0.9163 1.1891	1.0741 1.2234	0.9204 1.2742	1.0273 1.3611	Ave		1.1259				13.7		30.0			
1,2,3-Trimethylbenzene	0.7077 0.9863	0.8206 1.0160	0.9776 1.0289	0.8328 +++++	0.9025 +++++	Ave		0.9091				12.5		30.0			
Indane	0.6687 0.8912	0.7322 0.9140	0.8345 0.9396	0.7363 0.9881	0.8301 1.1077	Ave		0.8642				15.3		30.0			
1,2-Dichlorobenzene	0.5499 0.6296	0.6080 0.6362	0.6543 0.6659	0.5851 0.7162	0.6063 +++++	Ave		0.6279				7.7		30.0			
Indene	+++++ 0.7376	+++++ 0.7967	0.6527 0.8342	0.5475 0.8917	0.6550 +++++	Ave		0.7308				16.4		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

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	+++++ 1.1300	1.0209 1.1531	1.1609 1.1725	0.9278 1.1980	1.0329 1.2405	Ave		1.1152				9.0		30.0			
Undecane	+++++ 0.6037	+++++ 0.6126	0.7640 0.6057	0.4911 0.6022	0.5416 0.5963	Ave		0.6022				12.9		30.0			
1,2-Dibromo-3-Chloropropane	0.1818 0.2899	0.2281 0.3215	0.2523 0.3657	0.1882 +++++	0.2268 +++++	Ave		0.2568				25.2		30.0			
1,2,4,5-Tetramethylbenzene	+++++ 1.0220	0.9973 1.0745	1.1392 1.1454	0.7921 1.2208	0.8634 +++++	Ave		1.0318				14.1		30.0			
Dodecane	+++++ 0.3622	+++++ 0.4564	+++++ 0.4738	0.3938 0.4720	0.4006 0.4946	Ave		0.4362				11.5		30.0			
1,2,4-Trichlorobenzene	0.4848 0.3914	0.5161 0.4477	0.5999 0.5145	0.3562 0.5823	0.3647 +++++	Ave		0.4731				19.0		30.0			
Naphthalene	+++++ 0.9346	1.4206 1.0715	1.6150 1.1964	0.8673 1.2765	0.8847 +++++	Ave		1.1583				23.3		30.0			
Hexachlorobutadiene	+++++ 0.4624	+++++ 0.4924	0.7953 0.5526	0.4137 0.6505	0.4167 +++++	Ave		0.5405				25.8		30.0			
1,2,3-Trichlorobenzene	0.5673 0.3084	0.6390 0.3779	0.6831 0.4380	0.3494 0.4944	0.3465 +++++	Ave		0.4671				29.3		30.0			
2-Methylnaphthalene	+++++ 0.1569	+++++ 0.2350	+++++ 0.2660	+++++ 0.3055	+++++ 0.4427	Ave		0.2812				37.5		50.0			
1-Methylnaphthalene	+++++ 0.2147	+++++ 0.2993	+++++ 0.3381	+++++ 0.3710	0.2349 0.5281	Ave		0.3310				34.3		50.0			
4-Bromofluorobenzene (Surr)	0.6949 0.7081	0.7012 0.7056	0.7031 0.7110	0.7043 0.7272	0.7113 0.7863	Ave		0.7153				3.7		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-38280/3	GC12IC01.D
Level 2	IC 140-38280/4	GC12IC02.D
Level 3	IC 140-38280/5	GC12IC03.D
Level 4	IC 140-38280/6	GC12IC04.D
Level 5	IC 140-38280/7	GC12IC05.D
Level 6	IC 140-38280/8	GC12IC06.D
Level 7	ICIS 140-38280/9	GC12IC07.D
Level 8	IC 140-38280/11	GC12IC08.D
Level 9	IC 140-38280/13	GC12IC09.D
Level 10	IC 140-38280/15	GC12IC10.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	+++++ 211421	8380 400226	16556 812769	34913 1622147	85290 2981565	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Propene	CBM	Lin2	+++++ 177441	+++++ 256339	+++++ 462799	+++++ 864283	+++++ 1457450	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	+++++ 16.0
Freon 12	CBM	Ave	8603 384737	15487 755221	30665 1500589	60042 3057734	160458 5855869	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloromethane	CBM	Ave	+++++ 40241	+++++ 66060	+++++ 139453	6067 259508	16639 454061	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Freon-114	CBM	Ave	5956 259943	10203 497674	20315 1019481	39917 1992121	104855 3846085	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl chloride	CBM	Ave	3000 144204	5667 257798	11106 528215	21098 983843	55174 1890606	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Butane	CBM	Ave	+++++ 204275	+++++ 368271	16844 736816	32263 1350440	80483 2707939	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,3-Butadiene	CBM	Ave	+++++ 100869	+++++ 187026	7293 380119	14936 716870	38362 1427156	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromomethane	CBM	Ave	+++++ 136869	+++++ 252423	11017 511951	21159 982289	53433 1963761	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroethane	CBM	Ave	+++++ 69612	+++++ 125356	5491 249797	10140 467042	26337 964823	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethanol	CBM	Ave	+++++ 235871	+++++ 476170	+++++ 898194	36115 1622175	84189 3278818	+++++ 5.00	+++++ 10.0	+++++ 20.0	0.800 40.0	2.00 80.0
Vinyl bromide	CBM	Ave	2652 132729	4635 248137	9653 488856	19260 943419	49907 2026587	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylbutane	CBM	Ave	+++++ 138225	+++++ 244164	9586 467545	19649 876301	49795 1961675	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Freon 11	CBM	Ave	9355 423959	16112 808940	32353 1614563	62563 3163690	166211 6591943	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.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

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	+++++ 21670	+++++ 39264	+++++ 87954	3215 122056	8885 345218	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Acetonitrile	CBM	Ave	+++++ 42226	+++++ 71195	+++++ 134601	6735 258482	13664 532094	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Acetone	CBM	Ave	+++++ 162931	+++++ 256391	+++++ 466868	+++++ 912105	63373 1687851	+++++ 3.00	+++++ 6.00	+++++ 12.0	+++++ 24.0	1.20 48.0
Pentane	CBM	Ave	+++++ 23107	+++++ 41359	+++++ 80864	3535 162511	8722 343689	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
2-Propanol	CBM	Ave	+++++ 370445	+++++ 732055	29589 1384411	52181 2635105	128084 5125001	+++++ 3.00	+++++ 6.00	0.240 12.0	0.480 24.0	1.20 48.0
Ethyl ether	CBM	Ave	+++++ 86858	+++++ 159655	+++++ 320855	11791 595774	28918 1215781	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,1-Dichloroethene	CBM	Ave	+++++ 134623	4673 261584	10012 501174	19557 1010057	50578 1949534	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Acrylonitrile	CBM	Ave	+++++ 76697	+++++ 155158	6116 299474	11193 563888	28394 1049005	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
tert-Butyl alcohol	CBM	Ave	+++++ 168336	+++++ 390344	15237 742176	26330 1473349	65043 2887986	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Freon 113	CBM	Ave	6584 309154	11590 584448	22033 1126392	44454 2274529	113814 4468755	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methylene Chloride	CBM	Lin2	+++++ 202841	+++++ 309339	+++++ 521676	+++++ 956925	119820 1728482	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
3-Chloropropene	CBM	Ave	+++++ 114904	+++++ 221779	8656 429836	16778 831877	40812 1787076	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon disulfide	CBM	Ave	+++++ 378484	+++++ 738799	27951 1395584	57697 2748027	148505 5293361	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
trans-1,2-Dichloroethene	CBM	Ave	3056 136611	5245 270596	9881 529206	19586 1050318	52213 1944427	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylpentane	CBM	Ave	+++++ 290012	+++++ 568688	20424 1083334	40831 2117823	109910 3830800	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methyl tert-butyl ether	CBM	Ave	6593 336956	12412 699064	23143 1322984	44227 2642807	117095 5001600	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1-Dichloroethane	CBM	Ave	5157 240460	9917 482920	18786 923177	36319 1855857	93285 3633921	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl acetate	CBM	Ave	4680 252812	8559 546305	18306 1086573	32838 2132656	87338 4144511	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Butanone	CBM	Ave	+++++ 54797	+++++ 115583	+++++ 219979	9768 432280	21297 772560	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Hexane	CBM	Ave	+++++ 97877	+++++ 201536	8145 387784	14883 753337	36988 1505071	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
cis-1,2-Dichloroethene	CBM	Ave	3026 137497	5090 277595	10036 538286	20081 1100330	51212 2141547	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.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

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	4284 220231	7935 471874	14570 905476	30156 1797233	76723 3310793	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroform	CBM	Ave	6811 295461	12172 595440	23036 1152377	44792 2315624	114202 4572149	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrahydrofuran	CBM	Ave	+++++ 122539	+++++ 261750	9467 490736	16665 973904	42605 1798059	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,1-Trichloroethane	CBM	Ave	7365 324308	11892 658368	24581 1280009	46957 2615755	122009 5316097	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	3944 180228	7167 382632	14326 746845	27155 1547654	69568 3171176	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Benzene	DFBZ	Ave	+++++ 369675	13956 760654	30698 1476079	55834 2888309	146565 5684973	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Cyclohexane	DFBZ	Ave	+++++ 65414	+++++ 133014	4509 261477	9112 516835	25112 1010181	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1-Butanol	DFBZ	Ave	+++++ 28650	+++++ 69899	+++++ 136756	4950 281368	11450 534096	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Carbon tetrachloride	DFBZ	Ave	5641 323597	9986 692229	20397 1361548	42976 2798102	99488 6035224	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	+++++ 103026	+++++ 204155	6564 393034	13927 774548	36699 1499779	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Thiophene	DFBZ	Ave	4611 213076	8066 447462	16424 867620	30877 1742789	84250 3511393	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2,2,4-Trimethylpentane	DFBZ	Ave	13739 643214	23616 1296726	46911 2435720	89777 4780141	236536 9168334	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Heptane	DFBZ	Ave	2826 138903	4839 291642	10099 566746	19160 1137323	49667 2228048	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichloropropane	DFBZ	Ave	2872 138833	5772 284652	10904 549711	19375 1100520	52920 2038936	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Trichloroethene	DFBZ	Ave	3811 171461	6826 366677	13839 720635	26113 1564593	68008 2919703	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Dibromomethane	DFBZ	Ave	+++++ 156954	+++++ 324779	12945 642116	24286 1310834	60833 2555273	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromodichloromethane	DFBZ	Ave	5255 270942	9481 584884	19680 1165813	37776 2348413	103520 4750351	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,4-Dioxane	DFBZ	Ave	1054 50628	1774 116734	3350 221468	6693 424548	17555 736114	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methyl methacrylate	DFBZ	Ave	+++++ 134446	+++++ 295596	7817 583377	16774 1190341	41702 2244189	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methylcyclohexane	DFBZ	Ave	4886 262461	8624 544153	17260 1045481	33943 2059506	94283 4027755	0.0200 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	+++++ 226527	+++++ 502243	16711 997387	28692 1975952	75119 3611861	+++++ 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.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

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	+++++ 188406	+++++ 405221	13691 806968	26869 1637497	72155 3375376	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
trans-1,3-Dichloropropene	CBZd 5	Ave	+++++ 164912	+++++ 363137	12180 729525	21879 1459394	60929 2972631	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Toluene	CBZd 5	Ave	7975 408057	14099 867482	29208 1734176	56084 3479280	153398 6693032	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	2384 123924	4352 259337	9292 512361	17905 1015886	48927 1922886	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Hexanone	CBZd 5	Ave	1881 103308	3483 244626	7402 495261	12906 993335	34487 +++++	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
C8 Range	CBZd 5	Ave	+++++ 1282182	+++++ 2697617	+++++ 5270346	+++++ 10458348	472196 20424389	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
Octane	CBZd 5	Ave	+++++ 150710	+++++ 327237	9517 648631	18870 1304530	54238 2573468	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Dibromochloromethane	CBZd 5	Ave	+++++ 245913	+++++ 549287	15711 1144256	30409 2322273	89584 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
1,2-Dibromoethane	CBZd 5	Ave	3571 209433	7412 445351	15554 892446	29795 1762112	82068 3518467	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrachloroethene	CBZd 5	Ave	3609 158858	6447 336192	13157 673140	24045 1362303	63782 2825788	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chlorobenzene	CBZd 5	Ave	6769 330947	13463 689326	26011 1374278	48225 2766330	135008 5557357	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethylbenzene	CBZd 5	Ave	9204 539044	17760 1196188	37980 2372926	72160 4802212	202637 9287894	0.0200 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	14581 863311	26512 1889165	59954 3747866	112630 7531318	324077 14722136	0.0400 2.00	0.0800 4.00	0.160 8.00	0.320 16.0	0.800 32.0
Nonane	CBZd 5	Ave	4419 259979	8087 571559	17000 1098379	31474 2163919	93816 4074034	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromoform	CBZd 5	Ave	+++++ 217047	+++++ 527250	12090 1140952	23252 2178779	69779 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
Styrene	CBZd 5	Ave	+++++ 291776	+++++ 672588	17488 1368425	33351 2805415	102267 5757651	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
o-Xylene	CBZd 5	Ave	7857 480946	15068 1028606	34811 2007917	62039 4087762	169865 7929696	0.0200 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	5802 329294	11115 698190	25259 1359709	43659 2403474	119183 4752301	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,3-Trichloropropane	CBZd 5	Ave	1846 101262	3641 216416	7096 431324	13931 860834	36760 1626306	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Cumene	CBZd 5	Ave	12435 639317	21038 1403435	45836 2766485	81589 5512200	220795 10496939	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Propylbenzene	CBZd 5	Ave	+++++ 165438	+++++ 372616	11551 748576	19959 1523997	57352 3018035	+++++ 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.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

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	+++++ 163674	+++++ 354524	12312 708438	21488 1448124	59128 2915756	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
4-Ethyltoluene	CBZd 5	Ave	9450 610719	18685 1349997	39539 2691871	76705 5437611	213208 +++++	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
1,3,5-Trimethylbenzene	CBZd 5	Ave	+++++ 256568	8759 576786	18085 1138348	31094 2322862	86967 4635654	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Alpha Methyl Styrene	CBZd 5	Ave	+++++ 218239	+++++ 535607	+++++ 1123513	21515 2373950	68592 4702835	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Decane	CBZd 5	Ave	+++++ 339384	+++++ 715532	23661 1355754	42088 2622500	120423 4856032	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
tert-Butylbenzene	CBZd 5	Ave	9476 592684	18937 1301479	43104 2563716	72984 5241953	200896 10430777	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,4-Trimethylbenzene	CBZd 5	Ave	+++++ 544920	17272 1211666	40518 2402815	67746 4866329	188149 9518278	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
sec-Butylbenzene	CBZd 5	Ave	+++++ 793906	24847 1757114	58873 3487491	99726 7003902	270160 +++++	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
1,3-Dichlorobenzene	CBZd 5	Ave	6332 354158	12507 776890	27684 1576264	49450 3283736	134883 +++++	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
alpha-Chlorotoluene	CBZd 5	Ave	5816 399881	12049 941627	26919 1996706	44329 4144945	136291 +++++	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
1,4-Dichlorobenzene	CBZd 5	Ave	6263 349456	13440 761800	27783 1546018	49783 3191571	130284 +++++	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
4-Isopropyltoluene	CBZd 5	Ave	+++++ 653502	20115 1460589	46989 2907946	78834 5903017	219736 11454394	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,3-Trimethylbenzene	CBZd 5	Ave	8302 561988	18015 1247959	42766 2445495	71329 +++++	193050 +++++	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 +++++	0.400 +++++
Indane	CBZd 5	Ave	7844 507782	16074 1122629	36509 2233414	63064 4577579	177560 9321424	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichlorobenzene	CBZd 5	Ave	6450 358716	13347 781488	28626 1582737	50118 3318051	129675 +++++	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
Indene	CBZd 5	Ave	+++++ 420291	+++++ 978599	28552 1982771	46891 4130777	140112 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
Butylbenzene	CBZd 5	Ave	+++++ 643863	22411 1416354	50788 2786845	79471 5550054	220941 10439037	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Undecane	CBZd 5	Ave	+++++ 343988	+++++ 752451	33421 1439663	42068 2790014	115840 5018209	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dibromo-3-Chloropropane	CBZd 5	Ave	2133 165204	5007 394924	11039 869345	16118 +++++	48515 +++++	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 +++++	0.400 +++++
1,2,4,5-Tetramethylbenzene	CBZd 5	Ave	+++++ 582321	21894 1319782	49838 2722478	67847 5655528	184678 +++++	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
Dodecane	CBZd 5	Ave	+++++ 206389	+++++ 560542	+++++ 1126135	33733 2186601	85690 4161807	+++++ 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.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

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	5687 223008	11330 549951	26242 1222918	30509 2697436	78013 +++++	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
Naphthalene	CBZd5	Ave	+++++ 532547	31187 1316060	70654 2843736	74290 5913476	189238 +++++	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
Hexachlorobutadiene	CBZd5	Ave	+++++ 263448	+++++ 604759	34794 1313419	35433 3013689	89124 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
1,2,3-Trichlorobenzene	CBZd5	Ave	6654 175708	14029 464134	29884 1041035	29930 2290176	74112 +++++	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
2-Methylnaphthalene	CBZd5	Ave	+++++ 89397	+++++ 288613	+++++ 632251	+++++ 1415513	+++++ 3725983	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	+++++ 16.0
1-Methylnaphthalene	CBZd5	Ave	+++++ 122347	+++++ 367601	+++++ 803566	+++++ 1718641	50243 4444649	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	1630298 1613908	1539408 1733342	1537975 1690004	1508170 1684501	1521452 1654186	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
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.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-38280/3	GC12IC01.D
Level 2	IC 140-38280/4	GC12IC02.D
Level 3	IC 140-38280/5	GC12IC03.D
Level 4	IC 140-38280/6	GC12IC04.D
Level 5	IC 140-38280/7	GC12IC05.D
Level 6	IC 140-38280/8	GC12IC06.D
Level 7	ICIS 140-38280/9	GC12IC07.D
Level 8	IC 140-38280/11	GC12IC08.D
Level 9	IC 140-38280/13	GC12IC09.D
Level 10	IC 140-38280/15	GC12IC10.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
Chlorodifluoromethane	+++++	4.9						50				
Propene	+++++	+++++	+++++	+++++	+++++	4.0						50
Freon 12	5.4						50					
Chloromethane	+++++	+++++	+++++	10.1						50		
Freon-114	9.6						50					
Vinyl chloride	5.4						50					
Butane	+++++	+++++	14.1						50			
1,3-Butadiene	+++++	+++++	0.7						50			
Bromomethane	+++++	+++++	9.3						50			
Chloroethane	+++++	+++++	10.9						50			
Ethanol	+++++	+++++	+++++	5.7						50		
Vinyl bromide	1.4						50					
2-Methylbutane	+++++	+++++	1.4						50			
Freon 11	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.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

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	+++++	+++++	+++++	1.4						50		
Acetonitrile	+++++	+++++	+++++	19.9						50		
Acetone	+++++	+++++	+++++	+++++	27.3						80	
Pentane	+++++	+++++	+++++	6.3						50		
2-Propanol	+++++	+++++	11.3						50			
Ethyl ether	+++++	+++++	+++++	-2.1						50		
1,1-Dichloroethene	+++++	-4.0						50				
Acrylonitrile	+++++	+++++	8.6						50			
tert-Butyl alcohol	+++++	+++++	10.0						50			
Freon 113	7.4						50					
Methylene Chloride	+++++	+++++	+++++	+++++	-0.5						80	
3-Chloropropene	+++++	+++++	3.5						50			
Carbon disulfide	+++++	+++++	1.3						50			
trans-1,2-Dichloroethene	9.9						50					
2-Methylpentane	+++++	+++++	-1.0						50			
Methyl tert-butyl ether	-1.0						50					
1,1-Dichloroethane	2.9						50					
Vinyl acetate	-8.5						50					
2-Butanone	+++++	+++++	+++++	14.7						50		
Hexane	+++++	+++++	9.1						50			
cis-1,2-Dichloroethene	7.0						50					

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

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	-2.7						50					
Chloroform	9.1						50					
Tetrahydrofuran	+++++	+++++	4.4						50			
1,1,1-Trichloroethane	8.9						50					
1,2-Dichloroethane	-1.2						50					
Benzene	+++++	-2.2						50				
Cyclohexane	+++++	+++++	-6.8						50			
1-Butanol	+++++	+++++	+++++	-0.2						50		
Carbon tetrachloride	-13.9						50					
2,3-Dimethylpentane	+++++	+++++	-9.8						50			
Thiophene	0.2						50					
2,2,4-Trimethylpentane	4.7						50					
Heptane	-2.1						50					
1,2-Dichloropropane	-2.2						50					
Trichloroethene	-0.8						50					
Dibromomethane	+++++	+++++	5.6						50			
Bromodichloromethane	-9.3						50					
1,4-Dioxane	0.6						50					
Methyl methacrylate	+++++	+++++	-20.5						50			
Methylcyclohexane	-6.6						50					
4-Methyl-2-pentanone (MIBK)	+++++	+++++	-2.1						50			

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

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	+++++	+++++	-7.2						50			
trans-1,3-Dichloropropene	+++++	+++++	-6.4						50			
Toluene	-3.7						50					
1,1,2-Trichloroethane	-5.2						50					
2-Hexanone	-10.0			+++++			50					
Octane	+++++	+++++	-16.4						50			
Dibromochloromethane	+++++	+++++	-16.0	+++++					50			
1,2-Dibromoethane	-16.2						50					
Tetrachloroethene	4.4						50					
Chlorobenzene	-3.1						50					
Ethylbenzene	-15.7						50					
m-Xylene & p-Xylene	-15.2						50					
Nonane	-11.9						50					
Bromoform	+++++	+++++	-26.6	+++++					50			
Styrene	+++++	+++++	-23.7						50			
o-Xylene	-16.5						50					
1,1,2,2-Tetrachloroethane	-9.2						50					
1,2,3-Trichloropropane	-9.3						50					
Cumene	-2.9						50					
Propylbenzene	+++++	+++++	-10.5						50			
2-Chlorotoluene	+++++	+++++	-3.9						50			

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

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	-18.8			+++++			50					
1,3,5-Trimethylbenzene	+++++	-11.0						50				
Alpha Methyl Styrene	+++++	+++++	+++++	-40.1						50		
Decane	+++++	+++++	-3.6						50			
tert-Butylbenzene	-19.2						50					
1,2,4-Trimethylbenzene	+++++	-16.9						50				
sec-Butylbenzene	+++++	-15.4		+++++				50				
1,3-Dichlorobenzene	-12.9			+++++			50					
alpha-Chlorotoluene	-25.8			+++++			50					
1,4-Dichlorobenzene	-13.3			+++++			50					
4-Isopropyltoluene	+++++	-18.6						50				
1,2,3-Trimethylbenzene	-22.1		+++++	+++++			50					
Indane	-22.6						50					
1,2-Dichlorobenzene	-12.4			+++++			50					
Indene	+++++	+++++	-10.7	+++++					50			
Butylbenzene	+++++	-8.5						50				
Undecane	+++++	+++++	26.9						50			
1,2-Dibromo-3-Chloropropane	-29.2		+++++	+++++			50					
1,2,4,5-Tetramethylbenzene	+++++	-3.3		+++++				50				
Dodecane	+++++	+++++	+++++	-9.7						50		
1,2,4-Trichlorobenzene	2.5			+++++			50					

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38280

SDG No.:

Instrument ID: MG GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2020 15:46 Calibration End Date: 03/13/2020 00:45 Calibration ID: 2346

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	+++++	22.6		+++++				80				
Hexachlorobutadiene	+++++	+++++	47.1	+++++					50			
1,2,3-Trichlorobenzene	21.4			+++++			50					
2-Methylnaphthalene	+++++	+++++	+++++	+++++	+++++	-44.2						80
1-Methylnaphthalene	+++++	+++++	+++++	+++++	-29.0						80	

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC01.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 12-Mar-2020 15:46:30 ALS Bottle#: 12 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014911-003
Misc. Info.: 285824
Operator ID: HMT Instrument ID: MG
Sublist: chrom-MG_TO15*sub17

Method: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 13-Mar-2020 12:04:14 Calib Date: 13-Mar-2020 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: tajh Date: 13-Mar-2020 11:59:29

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	8.892	8.897	-0.005	89	387702	4.00	4.00	
* 2 1,4-Difluorobenzene	114	11.076	11.079	-0.003	94	2689085	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.794	15.796	-0.002	87	2346044	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.434	17.435	-0.001	88	1630298	4.00	3.89	
6 Chlorodifluoromethane	51	3.721	3.721	0.000	95	5564	0.0200	0.0254	
7 Propene	41	3.732	3.732	0.000	98	80104	0.0200	0.0366	
8 Dichlorodifluoromethane	85	3.786	3.782	0.004	98	8603	0.0200	0.0211	
9 Chloromethane	52	3.964	3.966	-0.002	53	1870	0.0200	0.0500	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.974	3.975	-0.001	91	5956	0.0200	0.0219	
11 Acetaldehyde	44	4.136	4.128	0.008	97	27449	0.1000	0.5889	
12 Vinyl chloride	62	4.147	4.141	0.006	89	3000	0.0200	0.0211	
13 Butane	43	4.228	4.229	-0.001	85	5357	0.0200	0.0265	
14 Butadiene	54	4.228	4.229	-0.001	63	2332	0.0200	0.0235	
15 Bromomethane	94	4.551	4.554	-0.003	95	3089	0.0200	0.0224	
16 Chloroethane	64	4.697	4.696	0.001	91	1610	0.0200	0.0238	
17 Ethanol	31	4.842	4.830	0.012	95	5970	0.1000	0.1287	
18 Vinyl bromide	106	5.004	5.003	0.001	96	2652	0.0200	0.0203	
19 2-Methylbutane	43	5.053	5.054	-0.001	91	3678	0.0200	0.0284	
20 Trichlorofluoromethane	101	5.274	5.278	-0.004	98	9355	0.0200	0.0215	
21 Acrolein	56	5.295	5.293	0.002	42	941	0.0200	0.0437	
23 Acetone	58	5.436	5.416	0.020	97	14670	0.0600	0.3207	
24 Pentane	72	5.490	5.499	-0.009	73	297	0.0200	0.0132	
25 Isopropyl alcohol	45	5.570	5.541	0.029	97	8816	0.0600	0.0728	
26 Ethyl ether	31	5.711	5.683	0.028	25	1914	0.0200	0.0234	
27 1,1-Dichloroethene	96	5.986	5.988	-0.002	81	3129	0.0200	0.0235	
28 Acrylonitrile	53	6.104	6.100	0.004	79	1787	0.0200	0.0232	
29 1,1,2-Trichloro-1,2,2-trif	101	6.164	6.169	-0.005	94	6584	0.0200	0.0215	
30 2-Methyl-2-propanol	59	6.223	6.169	0.054	45	4286	0.0200	0.0226	
31 Methylene Chloride	84	6.336	6.339	-0.003	94	78139	0.0200	-0.0766	
32 3-Chloro-1-propene	39	6.342	6.354	-0.012	55	3523	0.0200	0.0308	

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	6.498	6.502	-0.004	99	8349	0.0200	0.0221	
34 trans-1,2-Dichloroethene	96	7.145	7.151	-0.006	97	3056	0.0200	0.0220	
35 2-Methylpentane	43	7.167	7.174	-0.007	91	6885	0.0200	0.0244	
36 Methyl tert-butyl ether	73	7.345	7.310	0.035	94	6593	0.0200	0.0198	
37 1,1-Dichloroethane	63	7.571	7.576	-0.005	98	5157	0.0200	0.0206	
38 Vinyl acetate	43	7.684	7.689	-0.005	98	4680	0.0200	0.0183	
39 2-Butanone (MEK)	72	8.175	8.150	0.025	94	2039	0.0200	0.0353	
40 Hexane	56	8.148	8.157	-0.009	80	2633	0.0200	0.0258	
41 Isopropyl ether	45	8.364	8.336	0.028	96	7313	0.0200	0.0199	
42 cis-1,2-Dichloroethene	96	8.552	8.564	-0.012	92	3026	0.0200	0.0214	
43 Ethyl acetate	43	8.779	8.766	0.013	96	4284	0.0200	0.0195	
44 Chloroform	83	8.903	8.909	-0.006	51	6811	0.0200	0.0218	
45 Tert-butyl ethyl ether	59	9.043	9.018	0.025	94	6602	0.0200	0.0190	
46 Tetrahydrofuran	42	9.383	9.341	0.042	91	3289	0.0200	0.0265	
47 1,1,1-Trichloroethane	97	9.927	9.938	-0.011	70	7365	0.0200	0.0218	
48 1,2-Dichloroethane	62	10.035	10.048	-0.013	95	3944	0.0200	0.0198	
50 Benzene	78	10.531	10.538	-0.007	95	9992	0.0200	0.0251	
49 Cyclohexane	69	10.542	10.538	0.004	74	1528	0.0200	0.0225	
52 Carbon tetrachloride	117	10.553	10.561	-0.008	94	5641	0.0200	0.0172	
51 n-Butanol	31	10.618	10.575	0.043	1	979	0.0200	0.0281	
53 2,3-Dimethylpentane	71	10.661	10.661	0.000	86	1973	0.0200	0.0193	
54 Thiophene	84	10.806	10.810	-0.004	92	4611	0.0200	0.0200	
55 Isooctane	57	11.292	11.298	-0.006	97	13739	0.0200	0.0209	
56 n-Heptane	71	11.664	11.672	-0.008	88	2826	0.0200	0.0196	
57 1,2-Dichloropropane	63	11.745	11.753	-0.008	89	2872	0.0200	0.0196	
58 Trichloroethene	130	11.788	11.791	-0.003	95	3811	0.0200	0.0198	
59 Dibromomethane	93	11.863	11.872	-0.009	94	4252	0.0200	0.0247	
60 Dichlorobromomethane	83	12.009	12.019	-0.010	97	5255	0.0200	0.0181	
61 1,4-Dioxane	88	12.106	12.063	0.043	67	1054	0.0200	0.0201	
62 Methyl methacrylate	41	12.128	12.119	0.009	90	2878	0.0200	0.0208	
63 Methylcyclohexane	83	12.554	12.557	-0.003	92	4886	0.0200	0.0187	
64 4-Methyl-2-pentanone (MIBK	43	13.001	12.981	0.020	96	5027	0.0200	0.0210	
65 cis-1,3-Dichloropropene	75	13.017	13.015	0.002	95	3604	0.0200	0.0174	
66 trans-1,3-Dichloropropene	75	13.708	13.707	0.001	95	2993	0.0200	0.0172	
67 Toluene	91	13.826	13.830	-0.004	92	7975	0.0200	0.0193	
68 1,1,2-Trichloroethane	83	13.902	13.904	-0.002	84	2384	0.0200	0.0190	
69 2-Hexanone	58	14.322	14.306	0.016	93	1881	0.0200	0.0180	
70 n-Octane	85	14.516	14.518	-0.002	91	2685	0.0200	0.0176	
71 Chlorodibromomethane	129	14.603	14.606	-0.003	95	3960	0.0200	0.0158	
72 Ethylene Dibromide	107	14.888	14.895	-0.007	96	3571	0.0200	0.0168	
73 Tetrachloroethene	129	14.969	14.971	-0.002	90	3609	0.0200	0.0209	
75 Chlorobenzene	112	15.838	15.844	-0.006	95	6769	0.0200	0.0194	
74 2,3-Dimethylheptane	43	15.859	15.863	-0.004	93	8661	0.0200	0.0204	
78 Ethylbenzene	91	16.134	16.132	0.002	97	9204	0.0200	0.0169	
79 m-Xylene & p-Xylene	91	16.290	16.294	-0.004	98	14581	0.0400	0.0339	
80 n-Nonane	57	16.711	16.712	-0.001	88	4419	0.0200	0.0176	
81 Bromoform	173	16.743	16.743	0.000	87	2861	0.0200	0.0130	
82 Styrene	104	16.760	16.757	0.003	96	3594	0.0200	0.0117	
83 o-Xylene	91	16.814	16.819	-0.005	96	7857	0.0200	0.0167	
84 1,1,2,2-Tetrachloroethane	83	17.137	17.139	-0.002	96	5802	0.0200	0.0182	
85 1,2,3-Trichloropropane	110	17.293	17.299	-0.006	97	1846	0.0200	0.0181	
86 Isopropylbenzene	105	17.407	17.405	0.002	91	12435	0.0200	0.0194	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 N-Propylbenzene	120	17.946	17.942	0.004	98	2568	0.0200	0.0148	
88 2-Chlorotoluene	126	17.989	17.989	0.000	97	2680	0.0200	0.0156	
89 4-Ethyltoluene	105	18.092	18.091	0.001	97	9450	0.0200	0.0162	
90 1,3,5-Trimethylbenzene	120	18.167	18.165	0.002	92	4083	0.0200	0.0155	
92 Alpha Methyl Styrene	118	18.394	18.393	0.001	92	2781	0.0200	0.0113	
93 n-Decane	57	18.447	18.449	-0.002	95	5346	0.0200	0.0163	
94 tert-Butylbenzene	119	18.582	18.586	-0.004	91	9476	0.0200	0.0162	
95 1,2,4-Trimethylbenzene	105	18.598	18.599	-0.001	94	7535	0.0200	0.0136	
96 sec-Butylbenzene	105	18.852	18.853	-0.001	98	12058	0.0200	0.0154	
97 1,3-Dichlorobenzene	146	18.868	18.868	0.000	96	6332	0.0200	0.0174	
98 Benzyl chloride	91	18.938	18.942	-0.004	97	5816	0.0200	0.0148	
99 1,4-Dichlorobenzene	146	18.954	18.954	0.000	91	6263	0.0200	0.0173	
100 4-Isopropyltoluene	119	19.008	19.013	-0.005	96	9290	0.0200	0.0141	
101 1,2,3-Trimethylbenzene	105	19.068	19.068	0.000	97	8302	0.0200	0.0156	
102 Butylcyclohexane	83	19.121	19.121	0.000	92	7442	0.0200	0.0159	
103 2,3-Dihydroindene	117	19.310	19.311	-0.001	90	7844	0.0200	0.0155	
104 1,2-Dichlorobenzene	146	19.310	19.311	-0.001	87	6450	0.0200	0.0175	
106 Indene	116	19.440	19.440	0.000	72	5056	0.0200	0.0118	
105 n-Butylbenzene	91	19.440	19.443	-0.003	97	9387	0.0200	0.0144	
107 Undecane	57	19.752	19.752	0.000	91	5828	0.0200	0.0165	
108 1,2-Dibromo-3-Chloropropan	157	19.909	19.908	0.001	88	2133	0.0200	0.0142	
109 1,2,4,5-Tetramethylbenzene	119	20.195	20.195	0.000	95	8723	0.0200	0.0144	
110 Dodecane	57	20.804	20.804	0.000	94	6136	0.0200	0.0240	
111 1,2,4-Trichlorobenzene	180	21.003	21.002	0.001	93	5687	0.0200	0.0205	
112 Naphthalene	128	21.138	21.140	-0.002	99	13123	0.0200	0.0193	
113 Hexachlorobutadiene	225	21.349	21.348	0.001	91	7889	0.0200	0.0249	
114 1,2,3-Trichlorobenzene	180	21.413	21.418	-0.005	95	6654	0.0200	0.0243	
115 2-Methylnaphthalene	142	22.190	22.185	0.005	93	5206	0.0200	0.0316	
116 1-Methylnaphthalene	142	22.357	22.359	-0.002	98	7377	0.0200	0.0380	
A 122 C8 Range	1	14.511	(14.479-14.543)		0	22890	0.0200	0.0173	
S 123 1,2-Dichloroethene, Total	1				0		0.0400	0.0434	
S 124 Xylenes, Total	100				0		0.0600	0.0506	

Reagents:

40L1-3DQP_00024	Amount Added: 50.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

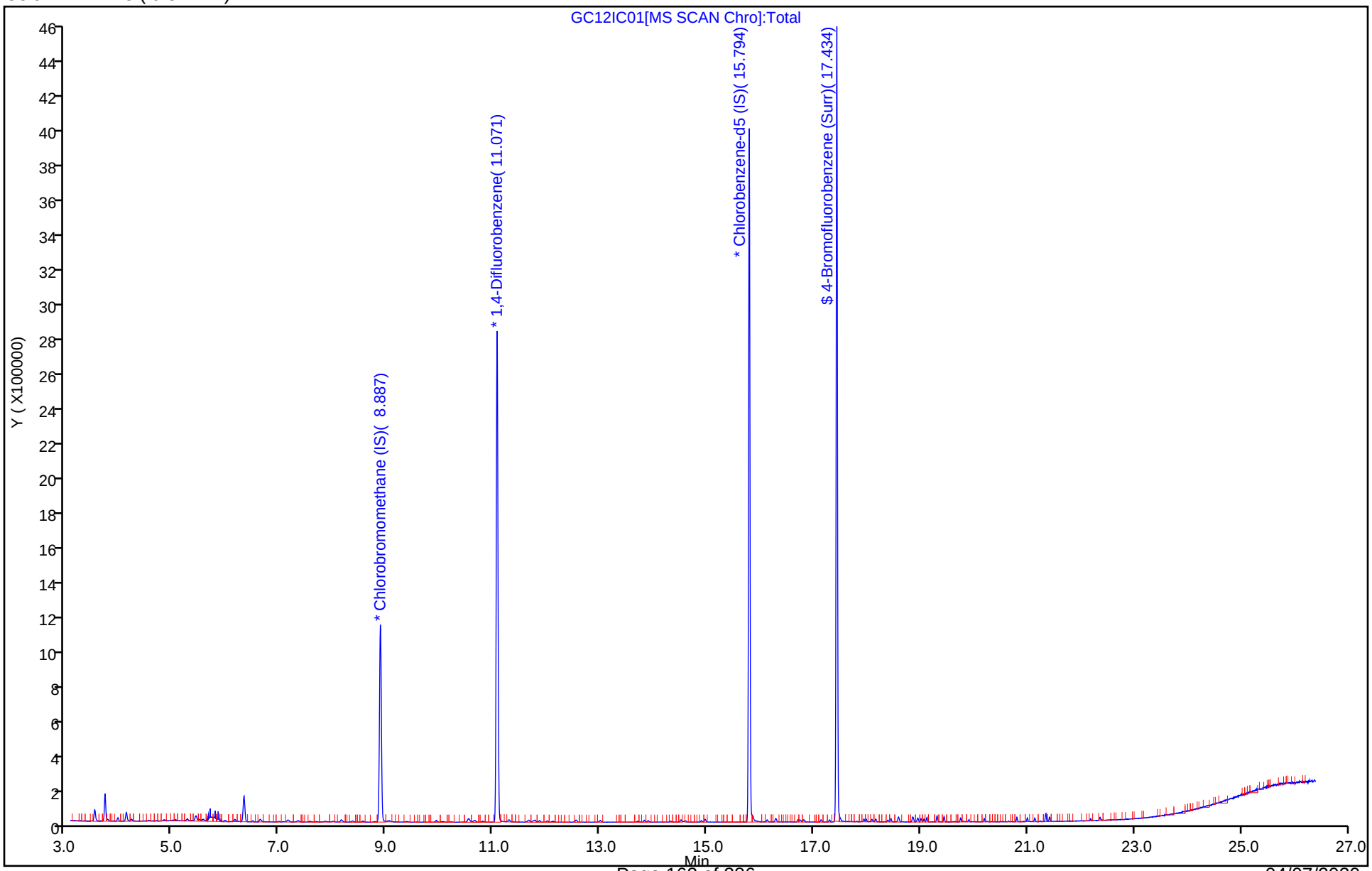
Report Date: 13-Mar-2020 12:04:15 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC01.D

Injection Date:	12-Mar-2020 15:46:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	IC L1			Worklist Smp#:	3
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

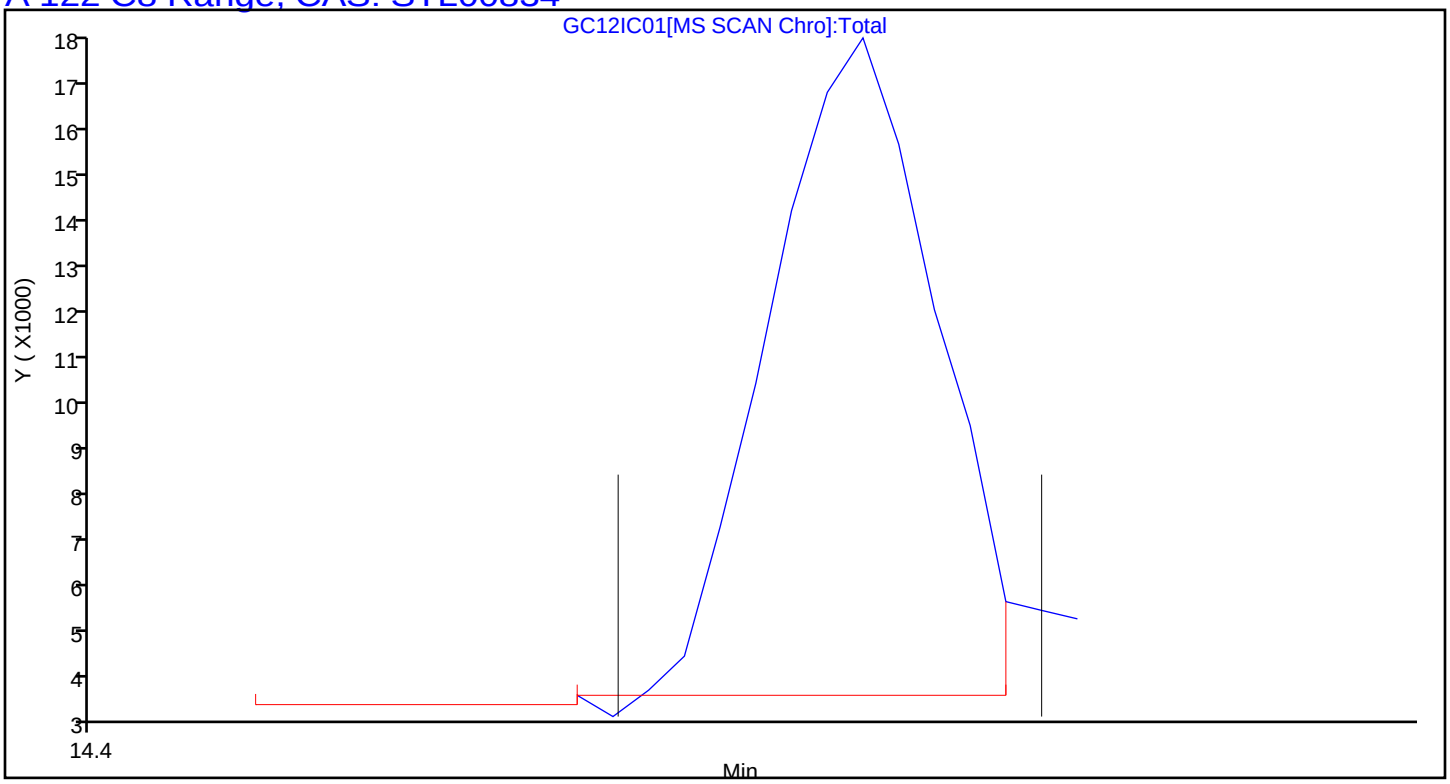


Report Date: 13-Mar-2020 12:04:15 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC01.D				
Injection Date:	12-Mar-2020 15:46:30	Instrument ID:	MG		
Lims ID:	IC L1				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	3
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC02.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 12-Mar-2020 16:29:30 ALS Bottle#: 12 Worklist Smp#: 4
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014911-004
Misc. Info.: 285824
Operator ID: HMT Instrument ID: MG
Sublist: chrom-MG_TO15*sub17

Method: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 13-Mar-2020 12:04:23 Calib Date: 13-Mar-2020 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0324

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	8.887	8.897	-0.010	89	353771	4.00	4.00	
* 2 1,4-Difluorobenzene	114	11.071	11.079	-0.008	95	2414250	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.794	15.796	-0.002	87	2195297	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.434	17.435	-0.001	87	1539408	4.00	3.92	
6 Chlorodifluoromethane	51	3.721	3.721	0.000	40	8380	0.0400	0.0420	
7 Propene	41	3.737	3.732	0.005	99	77670	0.0400	0.0877	
8 Dichlorodifluoromethane	85	3.780	3.782	-0.002	99	15487	0.0400	0.0416	
9 Chloromethane	52	3.969	3.966	0.003	52	1896	0.0400	0.0555	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.974	3.975	-0.001	90	10203	0.0400	0.0412	
11 Acetaldehyde	44	4.131	4.128	0.003	96	43253	0.2000	1.02	
12 Vinyl chloride	62	4.141	4.141	0.000	35	5667	0.0400	0.0437	
14 Butadiene	54	4.228	4.229	-0.001	69	4183	0.0400	0.0463	
13 Butane	43	4.233	4.229	0.004	85	8411	0.0400	0.0456	
15 Bromomethane	94	4.557	4.554	0.003	96	5690	0.0400	0.0452	
16 Chloroethane	64	4.697	4.696	0.001	94	2606	0.0400	0.0422	
17 Ethanol	31	4.842	4.830	0.012	98	11406	0.2000	0.2694	
18 Vinyl bromide	106	5.004	5.003	0.001	92	4635	0.0400	0.0388	
19 2-Methylbutane	43	5.053	5.054	-0.001	86	4720	0.0400	0.0400	
20 Trichlorofluoromethane	101	5.274	5.278	-0.004	98	16112	0.0400	0.0405	
21 Acrolein	56	5.301	5.293	0.008	43	1617	0.0400	0.0824	
22 Acetonitrile	40	5.355	5.359	-0.004	81	2109	0.0400	0.0606	
23 Acetone	58	5.430	5.416	0.014	98	27000	0.1200	0.6468	
24 Pentane	72	5.495	5.499	-0.004	92	861	0.0400	0.0418	
25 Isopropyl alcohol	45	5.565	5.541	0.024	98	15129	0.1200	0.1368	
26 Ethyl ether	31	5.694	5.683	0.011	29	3272	0.0400	0.0439	
27 1,1-Dichloroethene	96	5.986	5.988	-0.002	97	4673	0.0400	0.0384	
28 Acrylonitrile	53	6.093	6.100	-0.007	88	2645	0.0400	0.0376	
29 1,1,2-Trichloro-1,2,2-trif	101	6.169	6.169	0.000	94	11590	0.0400	0.0414	
30 2-Methyl-2-propanol	59	6.207	6.169	0.038	94	7218	0.0400	0.0418	
31 Methylene Chloride	84	6.336	6.339	-0.003	95	74009	0.0400	-0.0506	
32 3-Chloro-1-propene	39	6.352	6.354	-0.002	63	4381	0.0400	0.0420	

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	6.503	6.502	0.001	100	14231	0.0400	0.0413	
34 trans-1,2-Dichloroethene	96	7.145	7.151	-0.006	99	5245	0.0400	0.0414	
35 2-Methylpentane	43	7.172	7.174	-0.002	92	10803	0.0400	0.0420	
36 Methyl tert-butyl ether	73	7.339	7.310	0.029	94	12412	0.0400	0.0408	
37 1,1-Dichloroethane	63	7.576	7.576	0.000	80	9917	0.0400	0.0434	
38 Vinyl acetate	43	7.690	7.689	0.001	99	8559	0.0400	0.0367	
40 Hexane	56	8.153	8.157	-0.004	66	4058	0.0400	0.0436	
39 2-Butanone (MEK)	72	8.164	8.150	0.014	93	3735	0.0400	0.0708	
41 Isopropyl ether	45	8.353	8.336	0.017	91	12982	0.0400	0.0387	
42 cis-1,2-Dichloroethene	96	8.563	8.564	-0.001	94	5090	0.0400	0.0394	
43 Ethyl acetate	43	8.784	8.766	0.018	98	7935	0.0400	0.0395	
44 Chloroform	83	8.897	8.909	-0.012	28	12172	0.0400	0.0427	
45 Tert-butyl ethyl ether	59	9.038	9.018	0.020	94	12082	0.0400	0.0380	
46 Tetrahydrofuran	42	9.372	9.341	0.031	95	4802	0.0400	0.0424	
47 1,1,1-Trichloroethane	97	9.927	9.938	-0.011	94	11892	0.0400	0.0385	
48 1,2-Dichloroethane	62	10.041	10.048	-0.007	97	7167	0.0400	0.0400	
50 Benzene	78	10.537	10.538	-0.001	97	13956	0.0400	0.0391	
49 Cyclohexane	69	10.531	10.538	-0.007	69	2381	0.0400	0.0390	
52 Carbon tetrachloride	117	10.553	10.561	-0.008	92	9986	0.0400	0.0340	
51 n-Butanol	31	10.612	10.575	0.037	23	1504	0.0400	0.0482	
53 2,3-Dimethylpentane	71	10.661	10.661	0.000	89	3802	0.0400	0.0414	
54 Thiophene	84	10.801	10.810	-0.009	95	8066	0.0400	0.0391	
55 Isooctane	57	11.297	11.298	-0.001	97	23616	0.0400	0.0401	
56 n-Heptane	71	11.675	11.672	0.003	89	4839	0.0400	0.0373	
57 1,2-Dichloropropane	63	11.750	11.753	-0.003	86	5772	0.0400	0.0438	
58 Trichloroethene	130	11.788	11.791	-0.003	95	6826	0.0400	0.0396	
59 Dibromomethane	93	11.869	11.872	-0.003	93	6591	0.0400	0.0426	
60 Dichlorobromomethane	83	12.014	12.019	-0.005	98	9481	0.0400	0.0365	
61 1,4-Dioxane	88	12.090	12.063	0.027	68	1774	0.0400	0.0377	
62 Methyl methacrylate	41	12.122	12.119	0.003	92	4698	0.0400	0.0379	
63 Methylcyclohexane	83	12.554	12.557	-0.003	94	8624	0.0400	0.0367	
64 4-Methyl-2-pentanone (MIBK	43	13.001	12.981	0.020	97	7393	0.0400	0.0343	
65 cis-1,3-Dichloropropene	75	13.012	13.015	-0.003	96	6078	0.0400	0.0327	
66 trans-1,3-Dichloropropene	75	13.707	13.707	0.000	96	5432	0.0400	0.0333	
67 Toluene	91	13.832	13.830	0.002	94	14099	0.0400	0.0364	
68 1,1,2-Trichloroethane	83	13.896	13.904	-0.008	97	4352	0.0400	0.0370	
69 2-Hexanone	58	14.311	14.306	0.005	94	3483	0.0400	0.0356	
70 n-Octane	85	14.522	14.518	0.004	88	4422	0.0400	0.0310	
71 Chlorodibromomethane	129	14.603	14.606	-0.003	96	6943	0.0400	0.0296	
72 Ethylene Dibromide	107	14.894	14.895	-0.001	95	7412	0.0400	0.0372	
73 Tetrachloroethene	129	14.964	14.971	-0.007	92	6447	0.0400	0.0399	
75 Chlorobenzene	112	15.843	15.844	-0.001	96	13463	0.0400	0.0412	
74 2,3-Dimethylheptane	43	15.859	15.863	-0.004	92	15192	0.0400	0.0382	
78 Ethylbenzene	91	16.129	16.132	-0.003	99	17760	0.0400	0.0348	
79 m-Xylene & p-Xylene	91	16.296	16.294	0.002	99	26512	0.0800	0.0659	
80 n-Nonane	57	16.711	16.712	-0.001	88	8087	0.0400	0.0345	
81 Bromoform	173	16.743	16.743	0.000	92	5276	0.0400	0.0255	
82 Styrene	104	16.754	16.757	-0.003	97	7166	0.0400	0.0249	
83 o-Xylene	91	16.813	16.819	-0.006	98	15068	0.0400	0.0342	
84 1,1,2,2-Tetrachloroethane	83	17.137	17.139	-0.002	97	11115	0.0400	0.0372	
85 1,2,3-Trichloropropane	110	17.293	17.299	-0.006	96	3641	0.0400	0.0383	
86 Isopropylbenzene	105	17.407	17.405	0.002	96	21038	0.0400	0.0351	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 N-Propylbenzene	120	17.940	17.942	-0.002	99	4880	0.0400	0.0301	
88 2-Chlorotoluene	126	17.989	17.989	0.000	96	5493	0.0400	0.0342	
89 4-Ethyltoluene	105	18.086	18.091	-0.005	99	18685	0.0400	0.0343	
90 1,3,5-Trimethylbenzene	120	18.167	18.165	0.002	93	8759	0.0400	0.0356	
92 Alpha Methyl Styrene	118	18.393	18.393	0.000	81	5375	0.0400	0.0234	
93 n-Decane	57	18.447	18.449	-0.002	94	10231	0.0400	0.0332	
94 tert-Butylbenzene	119	18.582	18.586	-0.004	89	18937	0.0400	0.0345	
95 1,2,4-Trimethylbenzene	105	18.598	18.599	-0.001	96	17272	0.0400	0.0332	
96 sec-Butylbenzene	105	18.852	18.853	-0.001	98	24847	0.0400	0.0338	
97 1,3-Dichlorobenzene	146	18.868	18.868	0.000	98	12507	0.0400	0.0368	
98 Benzyl chloride	91	18.943	18.942	0.001	98	12049	0.0400	0.0328	
99 1,4-Dichlorobenzene	146	18.954	18.954	0.000	93	13440	0.0400	0.0398	
100 4-Isopropyltoluene	119	19.008	19.013	-0.005	97	20115	0.0400	0.0326	
101 1,2,3-Trimethylbenzene	105	19.067	19.068	-0.001	98	18015	0.0400	0.0361	
102 Butylcyclohexane	83	19.116	19.121	-0.005	93	16196	0.0400	0.0369	
103 2,3-Dihydroindene	117	19.310	19.311	-0.001	92	16074	0.0400	0.0339	
104 1,2-Dichlorobenzene	146	19.310	19.311	-0.001	84	13347	0.0400	0.0387	
105 n-Butylbenzene	91	19.445	19.443	0.002	96	22411	0.0400	0.0366	
106 Indene	116	19.434	19.440	-0.006	89	11698	0.0400	0.0292	
107 Undecane	57	19.752	19.752	0.000	94	14525	0.0400	0.0440	
108 1,2-Dibromo-3-Chloropropan	157	19.903	19.908	-0.005	90	5007	0.0400	0.0355	
109 1,2,4,5-Tetramethylbenzene	119	20.194	20.195	-0.001	96	21894	0.0400	0.0387	
110 Dodecane	57	20.804	20.804	0.000	95	17788	0.0400	0.0743	
111 1,2,4-Trichlorobenzene	180	20.998	21.002	-0.004	93	11330	0.0400	0.0436	
112 Naphthalene	128	21.138	21.140	-0.002	99	31187	0.0400	0.0491	
113 Hexachlorobutadiene	225	21.348	21.348	0.000	90	15475	0.0400	0.0522	
114 1,2,3-Trichlorobenzene	180	21.413	21.418	-0.005	93	14029	0.0400	0.0547	
115 2-Methylnaphthalene	142	22.184	22.185	-0.001	99	11675	0.0400	0.0756	
116 1-Methylnaphthalene	142	22.357	22.359	-0.002	100	15950	0.0400	0.0878	
A 122 C8 Range	1	14.501	(14.469-14.554)		0	42054	0.0400	0.0339	
S 123 1,2-Dichloroethene, Total	1				0		0.0800	0.0808	
S 124 Xylenes, Total	100				0		0.1200	0.1001	

Reagents:

40L1-3DQP_00024	Amount Added: 100.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

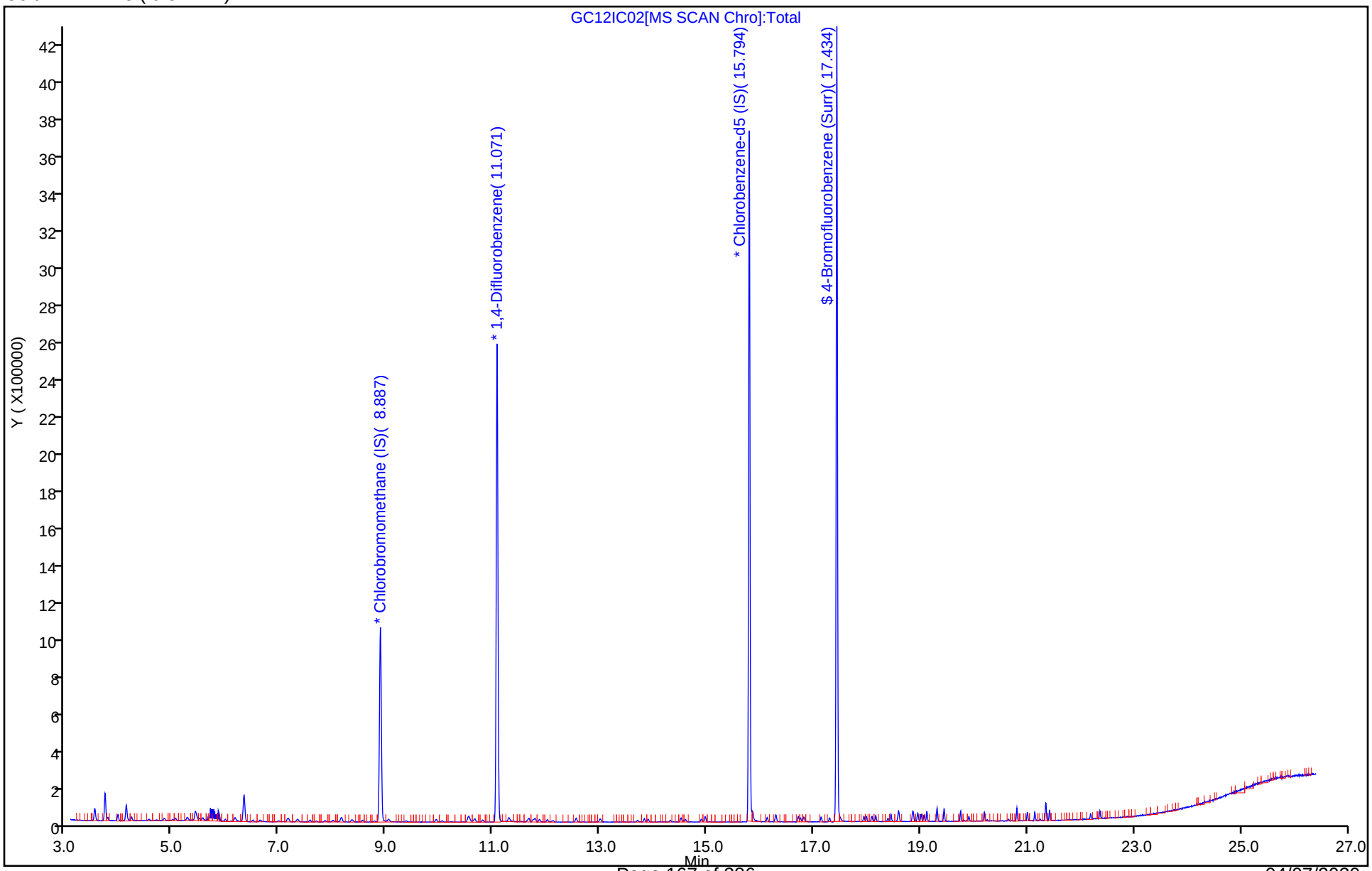
Report Date: 13-Mar-2020 12:04:25 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC02.D

Injection Date:	12-Mar-2020 16:29:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	IC L2			Worklist Smp#:	4
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

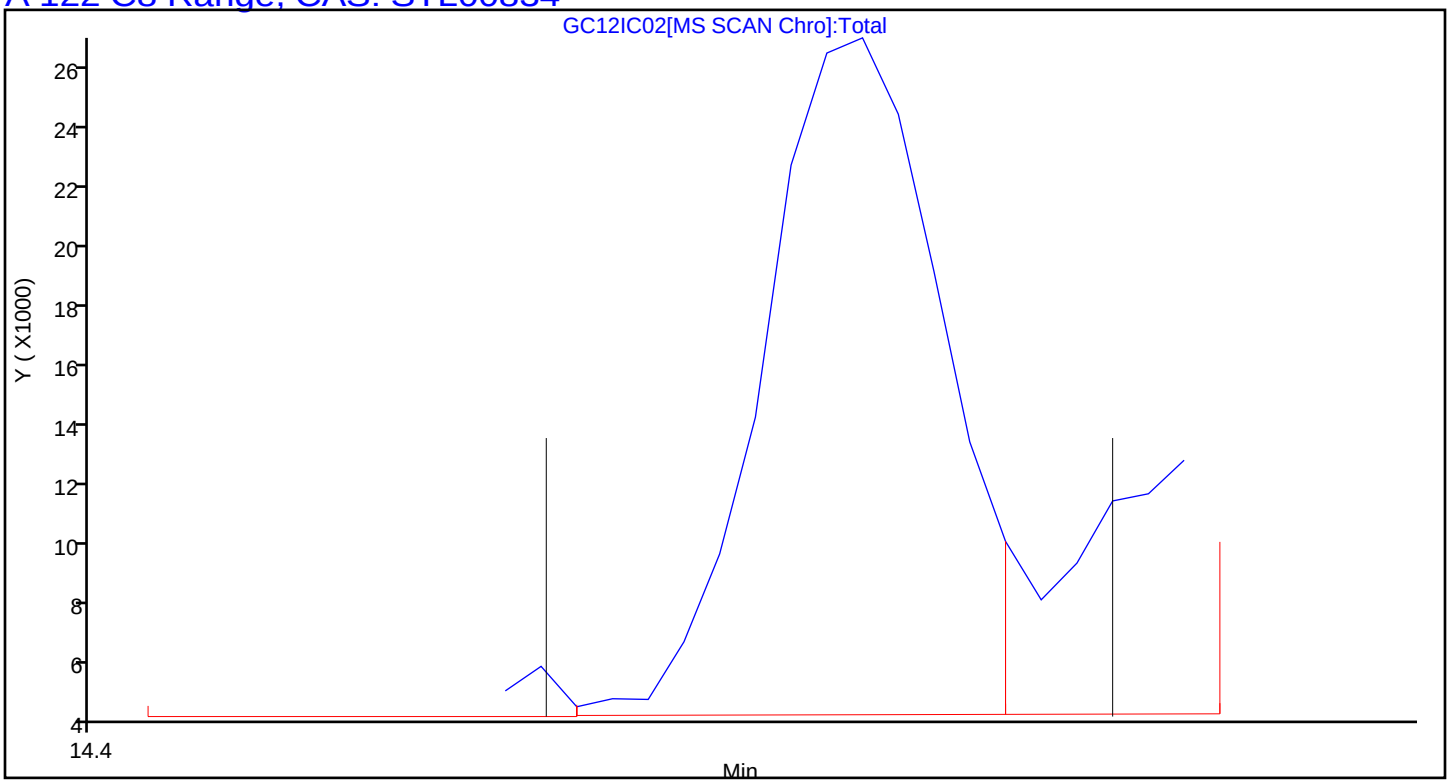


Report Date: 13-Mar-2020 12:04:25 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC02.D				
Injection Date:	12-Mar-2020 16:29:30	Instrument ID:	MG		
Lims ID:	IC L2				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC03.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 12-Mar-2020 17:13:30 ALS Bottle#: 12 Worklist Smp#: 5
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014911-005
Misc. Info.: 285824
Operator ID: HMT Instrument ID: MG
Sublist: chrom-MG_TO15*sub17

Method: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 13-Mar-2020 12:04:31 Calib Date: 13-Mar-2020 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: tajh Date: 13-Mar-2020 07:27:17

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	8.887	8.897	-0.010	89	354291	4.00	4.00	
* 2 1,4-Difluorobenzene	114	11.071	11.079	-0.008	94	2392789	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.794	15.796	-0.002	87	2187363	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.434	17.435	-0.001	87	1537975	4.00	3.93	
6 Chlorodifluoromethane	51	3.721	3.721	0.000	47	16556	0.0800	0.0828	
7 Propene	41	3.732	3.732	0.000	99	82183	0.0800	0.1367	
8 Dichlorodifluoromethane	85	3.780	3.782	-0.002	99	30665	0.0800	0.0822	
9 Chloromethane	52	3.969	3.966	0.003	55	3645	0.0800	0.1066	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.974	3.975	-0.001	92	20315	0.0800	0.0818	
11 Acetaldehyde	44	4.125	4.128	-0.003	98	95288	0.4000	2.24	
12 Vinyl chloride	62	4.136	4.141	-0.005	98	11106	0.0800	0.0854	
14 Butadiene	54	4.228	4.229	-0.001	62	7293	0.0800	0.0805	
13 Butane	43	4.228	4.229	-0.001	84	16844	0.0800	0.0913	
15 Bromomethane	94	4.551	4.554	-0.003	96	11017	0.0800	0.0875	
16 Chloroethane	64	4.697	4.696	0.001	97	5491	0.0800	0.0887	
17 Ethanol	31	4.826	4.830	-0.004	97	20816	0.4000	0.4909	
18 Vinyl bromide	106	4.999	5.003	-0.004	95	9653	0.0800	0.0807	
19 2-Methylbutane	43	5.053	5.054	-0.001	87	9586	0.0800	0.0811	
20 Trichlorofluoromethane	101	5.274	5.278	-0.004	99	32353	0.0800	0.0813	
21 Acrolein	56	5.290	5.293	-0.003	26	2580	0.0800	0.1312	
22 Acetonitrile	40	5.360	5.359	0.001	64	2041	0.0800	0.0586	
23 Acetone	58	5.419	5.416	0.003	100	53899	0.2400	1.29	
24 Pentane	72	5.500	5.499	0.001	97	1816	0.0800	0.0880	
25 Isopropyl alcohol	45	5.560	5.541	0.019	98	29589	0.2400	0.2672	
26 Ethyl ether	31	5.684	5.683	0.001	41	5879	0.0800	0.0787	
27 1,1-Dichloroethene	96	5.980	5.988	-0.008	97	10012	0.0800	0.0822	
28 Acrylonitrile	53	6.093	6.100	-0.007	94	6116	0.0800	0.0869	
29 1,1,2-Trichloro-1,2,2-trif	101	6.169	6.169	0.000	94	22033	0.0800	0.0787	
30 2-Methyl-2-propanol	59	6.196	6.169	0.027	96	15237	0.0800	0.0880	
31 Methylene Chloride	84	6.336	6.339	-0.003	93	81005	0.0800	0.0157	

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	6.347	6.354	-0.007	36	8656	0.0800	0.0828	
33 Carbon disulfide	76	6.498	6.502	-0.004	99	27951	0.0800	0.0810	
34 trans-1,2-Dichloroethene	96	7.145	7.151	-0.006	98	9881	0.0800	0.0778	
35 2-Methylpentane	43	7.172	7.174	-0.002	91	20424	0.0800	0.0792	
36 Methyl tert-butyl ether	73	7.323	7.310	0.013	96	23143	0.0800	0.0760	
37 1,1-Dichloroethane	63	7.566	7.576	-0.010	99	18786	0.0800	0.0820	
38 Vinyl acetate	43	7.684	7.689	-0.005	99	18306	0.0800	0.0783	
40 Hexane	56	8.153	8.157	-0.004	63	8145	0.0800	0.0873	
39 2-Butanone (MEK)	72	8.159	8.150	0.009	91	8498	0.0800	0.1609	
41 Isopropyl ether	45	8.347	8.336	0.011	93	27327	0.0800	0.0813	
42 cis-1,2-Dichloroethene	96	8.558	8.564	-0.006	94	10036	0.0800	0.0777	
43 Ethyl acetate	43	8.773	8.766	0.007	98	14570	0.0800	0.0724	
44 Chloroform	83	8.897	8.909	-0.012	30	23036	0.0800	0.0808	
45 Tert-butyl ethyl ether	59	9.032	9.018	0.014	96	25291	0.0800	0.0795	
46 Tetrahydrofuran	42	9.356	9.341	0.015	91	9467	0.0800	0.0835	
47 1,1,1-Trichloroethane	97	9.933	9.938	-0.005	94	24581	0.0800	0.0795	
48 1,2-Dichloroethane	62	10.046	10.048	-0.002	98	14326	0.0800	0.0807	
49 Cyclohexane	69	10.537	10.538	-0.001	65	4509	0.0800	0.0746	
50 Benzene	78	10.537	10.538	-0.001	96	30698	0.0800	0.0868	
52 Carbon tetrachloride	117	10.558	10.561	-0.003	96	20397	0.0800	0.0700	
51 n-Butanol	31	10.601	10.575	0.026	21	3358	0.0800	0.1085	
53 2,3-Dimethylpentane	71	10.655	10.661	-0.006	90	6564	0.0800	0.0722	
54 Thiophene	84	10.806	10.810	-0.004	95	16424	0.0800	0.0802	
55 Isooctane	57	11.297	11.298	-0.001	97	46911	0.0800	0.0804	
56 n-Heptane	71	11.669	11.672	-0.003	89	10099	0.0800	0.0786	
57 1,2-Dichloropropane	63	11.745	11.753	-0.008	88	10904	0.0800	0.0835	
58 Trichloroethene	130	11.788	11.791	-0.003	95	13839	0.0800	0.0810	
59 Dibromomethane	93	11.869	11.872	-0.003	91	12945	0.0800	0.0845	
60 Dichlorobromomethane	83	12.014	12.019	-0.005	99	19680	0.0800	0.0763	
61 1,4-Dioxane	88	12.074	12.063	0.011	86	3350	0.0800	0.0718	
62 Methyl methacrylate	41	12.122	12.119	0.003	97	7817	0.0800	0.0636	
63 Methylcyclohexane	83	12.553	12.557	-0.004	95	17260	0.0800	0.0741	
64 4-Methyl-2-pentanone (MIBK	43	12.990	12.981	0.009	96	16711	0.0800	0.0783	
65 cis-1,3-Dichloropropene	75	13.012	13.015	-0.003	96	13691	0.0800	0.0743	
66 trans-1,3-Dichloropropene	75	13.707	13.707	0.000	97	12180	0.0800	0.0749	
67 Toluene	91	13.826	13.830	-0.004	94	29208	0.0800	0.0757	
68 1,1,2-Trichloroethane	83	13.902	13.904	-0.002	98	9292	0.0800	0.0793	
69 2-Hexanone	58	14.317	14.306	0.011	94	7402	0.0800	0.0760	
70 n-Octane	85	14.516	14.518	-0.002	93	9517	0.0800	0.0669	
71 Chlorodibromomethane	129	14.597	14.606	-0.009	97	15711	0.0800	0.0672	
72 Ethylene Dibromide	107	14.894	14.895	-0.001	97	15554	0.0800	0.0783	
73 Tetrachloroethene	129	14.969	14.971	-0.002	93	13157	0.0800	0.0817	
75 Chlorobenzene	112	15.843	15.844	-0.001	96	26011	0.0800	0.0799	
74 2,3-Dimethylheptane	43	15.859	15.863	-0.004	93	32559	0.0800	0.0821	
78 Ethylbenzene	91	16.129	16.132	-0.003	98	37980	0.0800	0.0746	
79 m-Xylene & p-Xylene	91	16.290	16.294	-0.004	99	59954	0.1600	0.1496	
80 n-Nonane	57	16.711	16.712	-0.001	90	17000	0.0800	0.0727	
81 Bromoform	173	16.743	16.743	0.000	91	12090	0.0800	0.0587	
82 Styrene	104	16.754	16.757	-0.003	98	17488	0.0800	0.0610	
83 o-Xylene	91	16.819	16.819	0.000	97	34811	0.0800	0.0794	
84 1,1,2,2-Tetrachloroethane	83	17.137	17.139	-0.002	98	25259	0.0800	0.0848	
85 1,2,3-Trichloropropane	110	17.299	17.299	0.000	96	7096	0.0800	0.0748	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 Isopropylbenzene	105	17.401	17.405	-0.004	96	45836	0.0800	0.0768	
87 N-Propylbenzene	120	17.940	17.942	-0.002	99	11551	0.0800	0.0716	
88 2-Chlorotoluene	126	17.989	17.989	0.000	97	12312	0.0800	0.0769	
89 4-Ethyltoluene	105	18.091	18.091	0.000	99	39539	0.0800	0.0729	
90 1,3,5-Trimethylbenzene	120	18.162	18.165	-0.003	92	18085	0.0800	0.0738	
92 Alpha Methyl Styrene	118	18.388	18.393	-0.005	86	12473	0.0800	0.0544	
93 n-Decane	57	18.447	18.449	-0.002	92	23661	0.0800	0.0771	
94 tert-Butylbenzene	119	18.582	18.586	-0.004	91	43104	0.0800	0.0789	
95 1,2,4-Trimethylbenzene	105	18.598	18.599	-0.001	96	40518	0.0800	0.0783	
96 sec-Butylbenzene	105	18.852	18.853	-0.001	98	58873	0.0800	0.0804	
97 1,3-Dichlorobenzene	146	18.868	18.868	0.000	99	27684	0.0800	0.0817	
98 Benzyl chloride	91	18.938	18.942	-0.004	98	26919	0.0800	0.0736	
99 1,4-Dichlorobenzene	146	18.949	18.954	-0.005	92	27783	0.0800	0.0825	
100 4-Isopropyltoluene	119	19.014	19.013	0.001	96	46989	0.0800	0.0763	
101 1,2,3-Trimethylbenzene	105	19.067	19.068	-0.001	99	42766	0.0800	0.0860	
102 Butylcyclohexane	83	19.121	19.121	0.000	94	36855	0.0800	0.0843	
103 2,3-Dihydroindene	117	19.310	19.311	-0.001	92	36509	0.0800	0.0773	
104 1,2-Dichlorobenzene	146	19.310	19.311	-0.001	86	28626	0.0800	0.0834	
106 Indene	116	19.440	19.440	0.000	88	28552	0.0800	0.0714	
105 n-Butylbenzene	91	19.440	19.443	-0.003	97	50788	0.0800	0.0833	
107 Undecane	57	19.752	19.752	0.000	94	33421	0.0800	0.1015	
108 1,2-Dibromo-3-Chloropropan	157	19.909	19.908	0.001	89	11039	0.0800	0.0786	
109 1,2,4,5-Tetramethylbenzene	119	20.194	20.195	-0.001	97	49838	0.0800	0.0883	
110 Dodecane	57	20.804	20.804	0.000	94	41586	0.0800	0.1743	
111 1,2,4-Trichlorobenzene	180	21.003	21.002	0.001	93	26242	0.0800	0.1014	
112 Naphthalene	128	21.144	21.140	0.004	99	70654	0.0800	0.1115	
113 Hexachlorobutadiene	225	21.348	21.348	0.000	91	34794	0.0800	0.1177	
114 1,2,3-Trichlorobenzene	180	21.419	21.418	0.001	94	29884	0.0800	0.1170	
115 2-Methylnaphthalene	142	22.184	22.185	-0.001	99	24792	0.0800	0.1612	
116 1-Methylnaphthalene	142	22.362	22.359	0.003	99	33381	0.0800	0.1844	
A 122 C8 Range	1	14.519	(14.469-14.554)		0	120139	0.0800	0.0972	
S 123 1,2-Dichloroethene, Total	1				0		0.1600	0.1555	
S 124 Xylenes, Total	100				0		0.2400	0.2290	

Reagents:

40L1-3DQP_00024	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

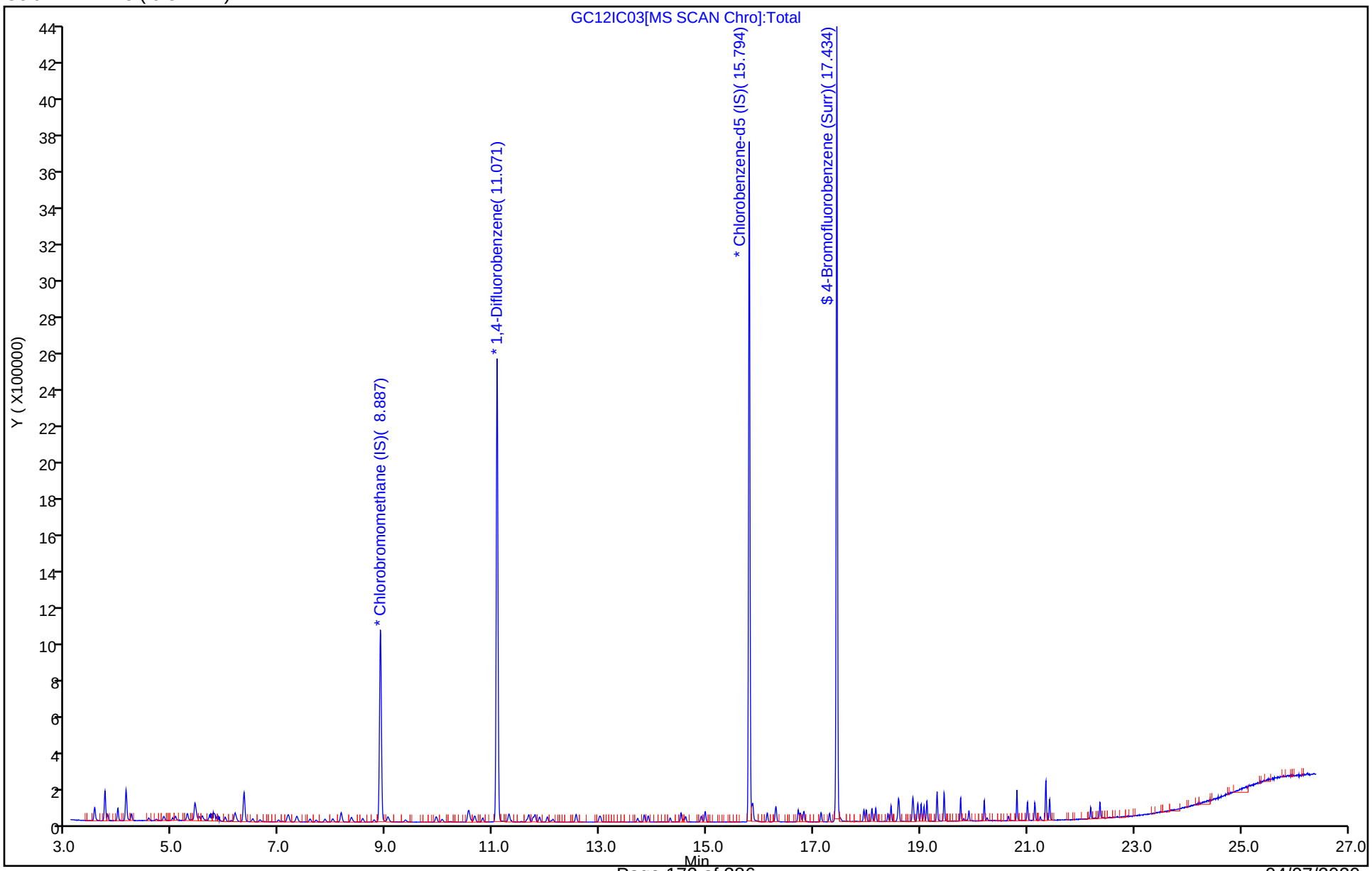
Report Date: 13-Mar-2020 12:04:32 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC03.D

Injection Date:	12-Mar-2020 17:13:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	IC L3			Worklist Smp#:	5
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

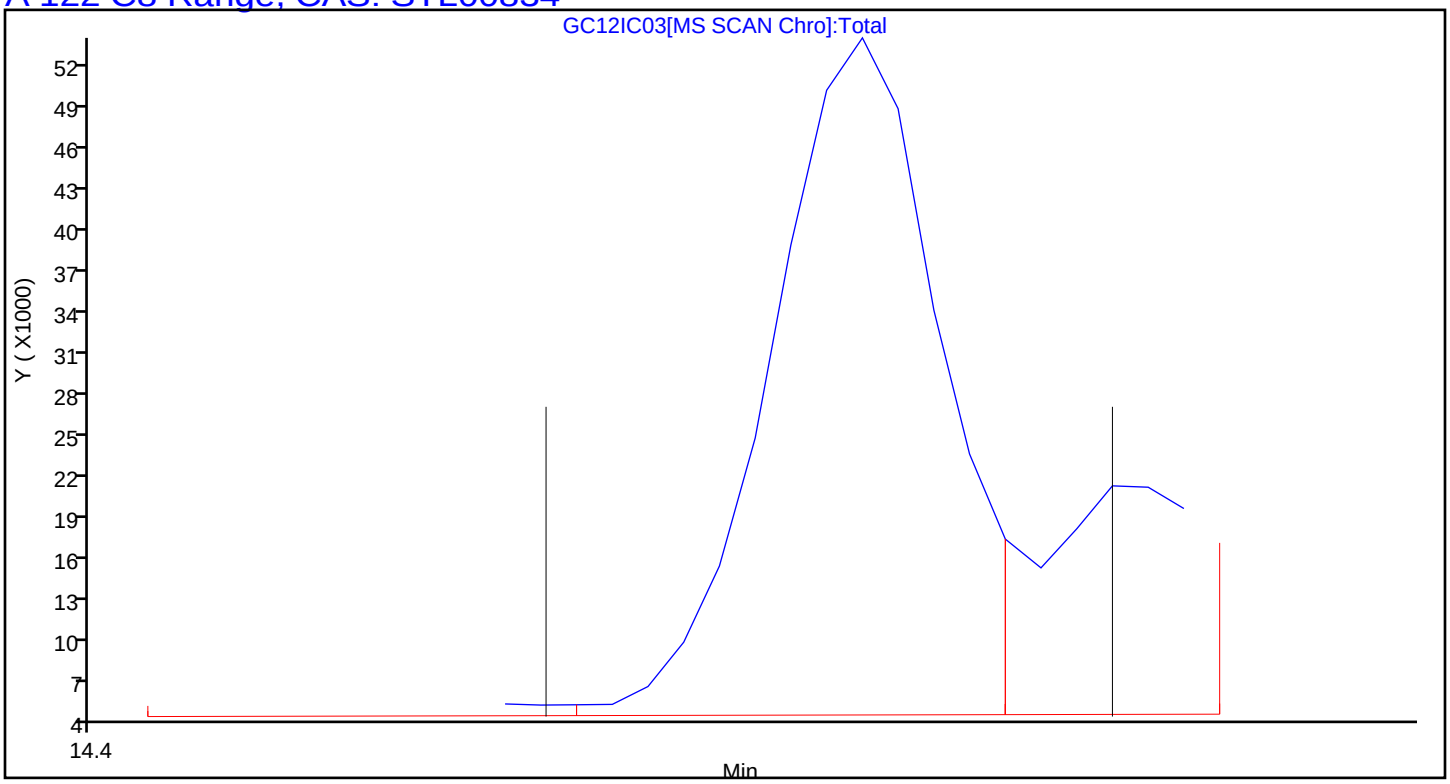


Report Date: 13-Mar-2020 12:04:32 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC03.D				
Injection Date:	12-Mar-2020 17:13:30	Instrument ID:	MG		
Lims ID:	IC L3				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	12	Worklist Smp#:	5
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC04.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 12-Mar-2020 17:59:30 ALS Bottle#: 2 Worklist Smp#: 6
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014911-006
Misc. Info.: 285631
Operator ID: HMT Instrument ID: MG
Sublist: chrom-MG_TO15*sub17

Method: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 13-Mar-2020 12:04:38 Calib Date: 13-Mar-2020 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0324

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	8.892	8.897	-0.005	90	356982	4.00	4.00	
* 2 1,4-Difluorobenzene	114	11.076	11.079	-0.003	94	2396462	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.794	15.796	-0.002	87	2141321	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.434	17.435	-0.001	88	1508170	4.00	3.94	
6 Chlorodifluoromethane	51	3.721	3.721	0.000	97	34913	0.1600	0.1733	
7 Propene	41	3.732	3.732	0.000	98	91613	0.1600	0.2340	
8 Dichlorodifluoromethane	85	3.786	3.782	0.004	100	60042	0.1600	0.1598	
9 Chloromethane	52	3.969	3.966	0.003	57	6067	0.1600	0.1761	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.974	3.975	-0.001	92	39917	0.1600	0.1596	
11 Acetaldehyde	44	4.131	4.128	0.003	95	70352	0.8000	1.64	
12 Vinyl chloride	62	4.141	4.141	0.000	98	21098	0.1600	0.1611	
14 Butadiene	54	4.233	4.229	0.004	66	14936	0.1600	0.1637	
13 Butane	43	4.228	4.229	-0.001	85	32263	0.1600	0.1735	
15 Bromomethane	94	4.557	4.554	0.003	97	21159	0.1600	0.1667	
16 Chloroethane	64	4.697	4.696	0.001	99	10140	0.1600	0.1626	
17 Ethanol	31	4.826	4.830	-0.004	97	36115	0.8000	0.8452	
18 Vinyl bromide	106	4.999	5.003	-0.004	98	19260	0.1600	0.1599	
19 2-Methylbutane	43	5.047	5.054	-0.007	90	19649	0.1600	0.1650	
20 Trichlorofluoromethane	101	5.279	5.278	0.001	99	62563	0.1600	0.1560	
21 Acrolein	56	5.295	5.293	0.002	90	3215	0.1600	0.1623	
22 Acetonitrile	40	5.355	5.359	-0.004	97	6735	0.1600	0.1918	
23 Acetone	58	5.419	5.416	0.003	99	36894	0.4800	0.8759	
24 Pentane	72	5.495	5.499	-0.004	95	3535	0.1600	0.1701	
25 Isopropyl alcohol	45	5.549	5.541	0.008	99	52181	0.4800	0.4677	
26 Ethyl ether	31	5.689	5.683	0.006	83	11791	0.1600	0.1567	
27 1,1-Dichloroethene	96	5.986	5.988	-0.002	99	19557	0.1600	0.1593	
28 Acrylonitrile	53	6.099	6.100	-0.001	95	11193	0.1600	0.1578	
29 1,1,2-Trichloro-1,2,2-trif	101	6.169	6.169	0.000	94	44454	0.1600	0.1575	
30 2-Methyl-2-propanol	59	6.191	6.169	0.022	98	26330	0.1600	0.1509	
31 Methylene Chloride	84	6.336	6.339	-0.003	95	91060	0.1600	0.1057	
32 3-Chloro-1-propene	39	6.352	6.354	-0.002	98	16778	0.1600	0.1592	

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	6.498	6.502	-0.004	99	57697	0.1600	0.1660	
34 trans-1,2-Dichloroethene	96	7.145	7.151	-0.006	98	19586	0.1600	0.1530	
35 2-Methylpentane	43	7.172	7.174	-0.002	93	40831	0.1600	0.1572	
36 Methyl tert-butyl ether	73	7.318	7.310	0.008	96	44227	0.1600	0.1442	
37 1,1-Dichloroethane	63	7.576	7.576	0.000	99	36319	0.1600	0.1574	
38 Vinyl acetate	43	7.684	7.689	-0.005	99	32838	0.1600	0.1395	
40 Hexane	56	8.159	8.157	0.002	72	14883	0.1600	0.1583	
39 2-Butanone (MEK)	72	8.148	8.150	-0.002	88	9768	0.1600	0.1835	
41 Isopropyl ether	45	8.342	8.336	0.006	96	50175	0.1600	0.1481	
42 cis-1,2-Dichloroethene	96	8.558	8.564	-0.006	95	20081	0.1600	0.1542	
43 Ethyl acetate	43	8.768	8.766	0.002	99	30156	0.1600	0.1487	
44 Chloroform	83	8.903	8.909	-0.006	92	44792	0.1600	0.1559	
45 Tert-butyl ethyl ether	59	9.027	9.018	0.009	96	46173	0.1600	0.1440	
46 Tetrahydrofuran	42	9.351	9.341	0.009	93	16665	0.1600	0.1459	
47 1,1,1-Trichloroethane	97	9.938	9.938	0.000	94	46957	0.1600	0.1508	
48 1,2-Dichloroethane	62	10.041	10.048	-0.007	99	27155	0.1600	0.1527	
49 Cyclohexane	69	10.537	10.538	-0.001	69	9112	0.1600	0.1505	
50 Benzene	78	10.531	10.538	-0.007	96	55834	0.1600	0.1577	
52 Carbon tetrachloride	117	10.558	10.561	-0.003	96	42976	0.1600	0.1473	
51 n-Butanol	31	10.596	10.575	0.021	40	4950	0.1600	0.1597	
53 2,3-Dimethylpentane	71	10.661	10.661	0.000	88	13927	0.1600	0.1529	
54 Thiophene	84	10.806	10.810	-0.004	95	30877	0.1600	0.1506	
55 Isooctane	57	11.297	11.298	-0.001	98	89777	0.1600	0.1536	
56 n-Heptane	71	11.669	11.672	-0.003	88	19160	0.1600	0.1489	
57 1,2-Dichloropropane	63	11.750	11.753	-0.003	86	19375	0.1600	0.1481	
58 Trichloroethene	130	11.788	11.791	-0.003	95	26113	0.1600	0.1526	
59 Dibromomethane	93	11.869	11.872	-0.003	91	24286	0.1600	0.1582	
60 Dichlorobromomethane	83	12.020	12.019	0.001	99	37776	0.1600	0.1463	
61 1,4-Dioxane	88	12.074	12.063	0.011	89	6693	0.1600	0.1433	
62 Methyl methacrylate	41	12.122	12.119	0.003	96	16774	0.1600	0.1363	
63 Methylcyclohexane	83	12.554	12.557	-0.003	95	33943	0.1600	0.1456	
64 4-Methyl-2-pentanone (MIBK	43	12.985	12.981	0.004	96	28692	0.1600	0.1343	
65 cis-1,3-Dichloropropene	75	13.007	13.015	-0.008	96	26869	0.1600	0.1456	
66 trans-1,3-Dichloropropene	75	13.702	13.707	-0.005	97	21879	0.1600	0.1374	
67 Toluene	91	13.826	13.830	-0.004	94	56084	0.1600	0.1484	
68 1,1,2-Trichloroethane	83	13.902	13.904	-0.002	98	17905	0.1600	0.1560	
69 2-Hexanone	58	14.311	14.306	0.005	94	12906	0.1600	0.1353	
70 n-Octane	85	14.511	14.518	-0.007	93	18870	0.1600	0.1354	
71 Chlorodibromomethane	129	14.603	14.606	-0.003	96	30409	0.1600	0.1328	
72 Ethylene Dibromide	107	14.888	14.895	-0.007	96	29795	0.1600	0.1532	
73 Tetrachloroethene	129	14.969	14.971	-0.002	92	24045	0.1600	0.1524	
75 Chlorobenzene	112	15.843	15.844	-0.001	94	48225	0.1600	0.1512	
74 2,3-Dimethylheptane	43	15.864	15.863	0.001	95	60962	0.1600	0.1570	
78 Ethylbenzene	91	16.129	16.132	-0.003	98	72160	0.1600	0.1448	
79 m-Xylene & p-Xylene	91	16.290	16.294	-0.004	99	112630	0.3200	0.2871	
80 n-Nonane	57	16.711	16.712	-0.001	88	31474	0.1600	0.1375	
81 Bromoform	173	16.738	16.743	-0.005	92	23252	0.1600	0.1154	
82 Styrene	104	16.754	16.757	-0.003	98	33351	0.1600	0.1189	
83 o-Xylene	91	16.819	16.819	0.000	98	62039	0.1600	0.1445	
84 1,1,2,2-Tetrachloroethane	83	17.137	17.139	-0.002	98	43659	0.1600	0.1497	
85 1,2,3-Trichloropropane	110	17.299	17.299	0.000	97	13931	0.1600	0.1500	
86 Isopropylbenzene	105	17.401	17.405	-0.004	96	81589	0.1600	0.1396	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 N-Propylbenzene	120	17.941	17.942	-0.001	98	19959	0.1600	0.1263	
88 2-Chlorotoluene	126	17.984	17.989	-0.005	97	21488	0.1600	0.1371	
89 4-Ethyltoluene	105	18.092	18.091	0.001	99	76705	0.1600	0.1444	
90 1,3,5-Trimethylbenzene	120	18.162	18.165	-0.003	92	31094	0.1600	0.1296	
92 Alpha Methyl Styrene	118	18.388	18.393	-0.005	89	21515	0.1600	0.0959	
93 n-Decane	57	18.447	18.449	-0.002	93	42088	0.1600	0.1402	
94 tert-Butylbenzene	119	18.582	18.586	-0.004	91	72984	0.1600	0.1364	
95 1,2,4-Trimethylbenzene	105	18.598	18.599	-0.001	96	67746	0.1600	0.1337	
96 sec-Butylbenzene	105	18.852	18.853	-0.001	99	99726	0.1600	0.1392	
97 1,3-Dichlorobenzene	146	18.863	18.868	-0.005	98	49450	0.1600	0.1491	
98 Benzyl chloride	91	18.938	18.942	-0.004	98	44329	0.1600	0.1238	
99 1,4-Dichlorobenzene	146	18.949	18.954	-0.005	93	49783	0.1600	0.1510	
100 4-Isopropyltoluene	119	19.014	19.013	0.001	96	78834	0.1600	0.1308	
101 1,2,3-Trimethylbenzene	105	19.068	19.068	0.000	98	71329	0.1600	0.1466	
102 Butylcyclohexane	83	19.121	19.121	0.000	95	61440	0.1600	0.1436	
103 2,3-Dihydroindene	117	19.310	19.311	-0.001	93	63064	0.1600	0.1363	
104 1,2-Dichlorobenzene	146	19.310	19.311	-0.001	84	50118	0.1600	0.1491	
105 n-Butylbenzene	91	19.440	19.443	-0.003	97	79471	0.1600	0.1331	
106 Indene	116	19.440	19.440	0.000	89	46891	0.1600	0.1199	
107 Undecane	57	19.752	19.752	0.000	94	42068	0.1600	0.1305	
108 1,2-Dibromo-3-Chloropropan	157	19.909	19.908	0.001	90	16118	0.1600	0.1172	
109 1,2,4,5-Tetramethylbenzene	119	20.195	20.195	0.000	96	67847	0.1600	0.1228	
110 Dodecane	57	20.804	20.804	0.000	94	33733	0.1600	0.1445	
111 1,2,4-Trichlorobenzene	180	20.998	21.002	-0.004	94	30509	0.1600	0.1205	
112 Naphthalene	128	21.138	21.140	-0.002	99	74290	0.1600	0.1198	
113 Hexachlorobutadiene	225	21.349	21.348	0.001	91	35433	0.1600	0.1225	
114 1,2,3-Trichlorobenzene	180	21.419	21.418	0.001	95	29930	0.1600	0.1197	
115 2-Methylnaphthalene	142	22.184	22.185	-0.001	98	18560	0.1600	0.1233	
116 1-Methylnaphthalene	142	22.357	22.359	-0.002	100	24831	0.1600	0.1401	
A 122 C8 Range	1	14.514	(14.469-14.554)		0	175151	0.1600	0.1448	
S 123 1,2-Dichloroethene, Total	1				0		0.3200	0.3073	
S 124 Xylenes, Total	100				0		0.4800	0.4316	

Reagents:

40L4DQP_00016	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

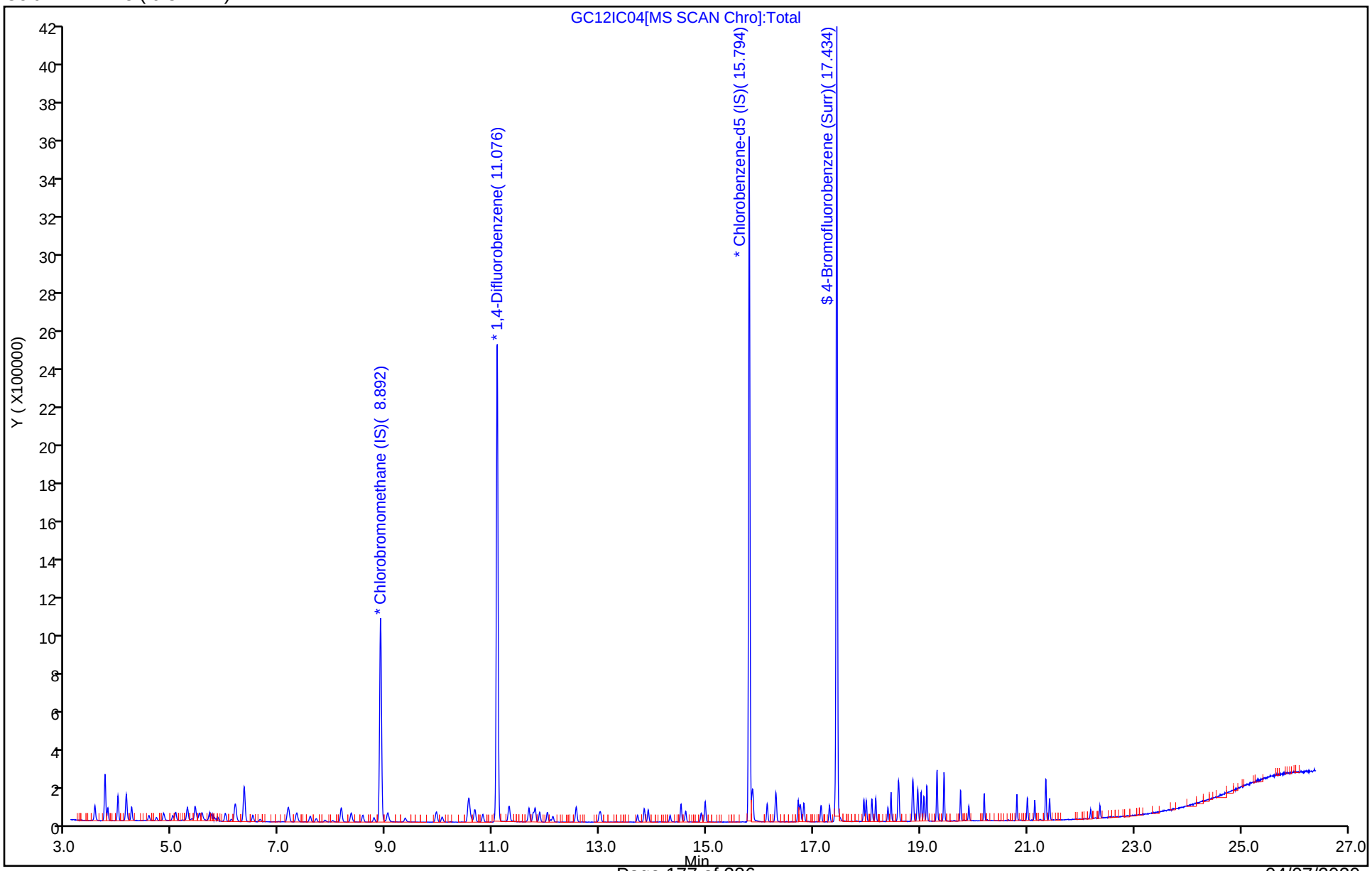
Report Date: 13-Mar-2020 12:04:39 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC04.D

Injection Date:	12-Mar-2020 17:59:30	Instrument ID:	MG	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:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

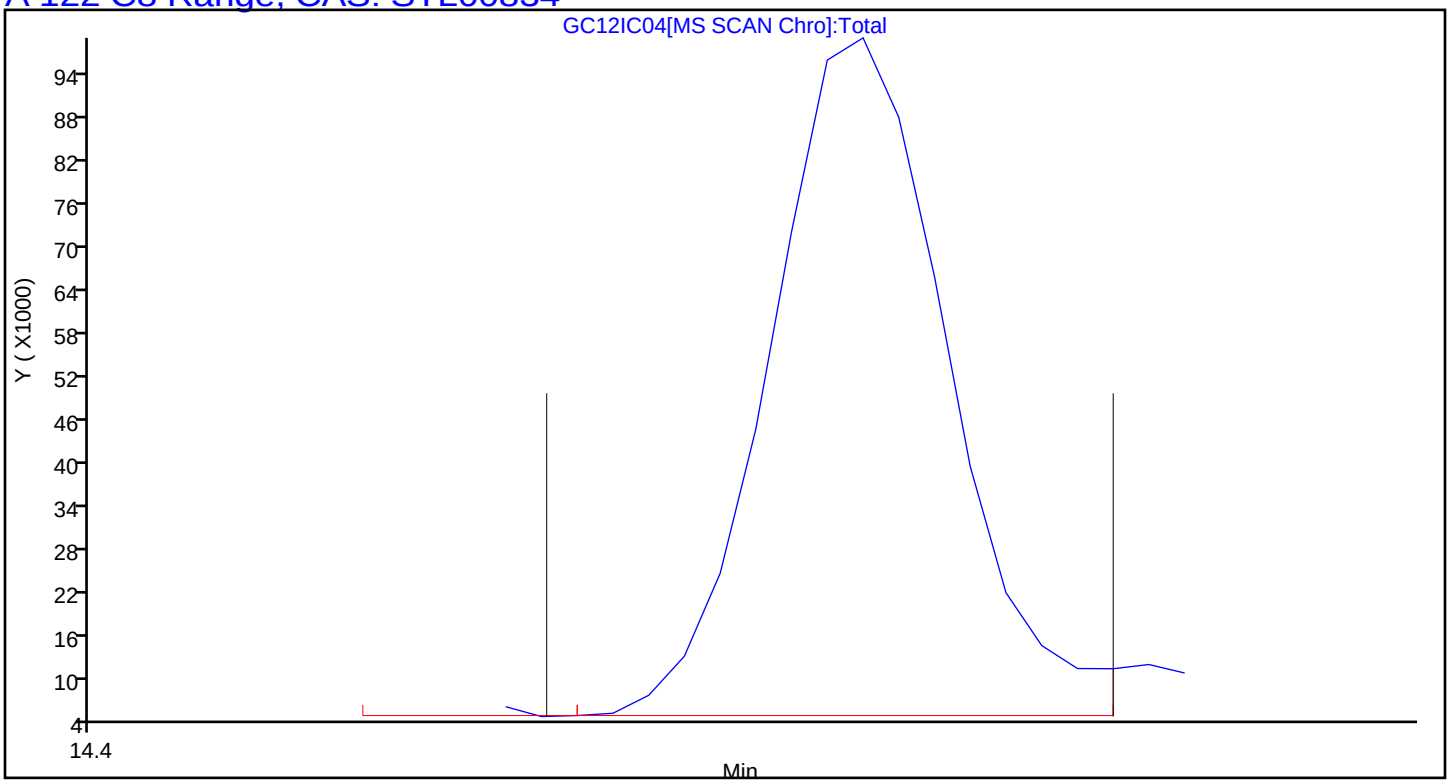


Report Date: 13-Mar-2020 12:04:39 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC04.D				
Injection Date:	12-Mar-2020 17:59:30	Instrument ID:	MG		
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:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC05.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 12-Mar-2020 18:46:30 ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014911-007
Misc. Info.: 285630
Operator ID: HMT Instrument ID: MG
Sublist: chrom-MG_TO15*sub17

Method: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 13-Mar-2020 12:04:45 Calib Date: 13-Mar-2020 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0324

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	8.887	8.897	-0.010	91	351456	4.00	4.00	
* 2 1,4-Difluorobenzene	114	11.071	11.079	-0.008	94	2246160	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.794	15.796	-0.002	87	2138964	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.434	17.435	-0.001	88	1521452	4.00	3.98	
6 Chlorodifluoromethane	51	3.721	3.721	0.000	96	85290	0.4000	0.4300	
7 Propene	41	3.732	3.732	0.000	99	118533	0.4000	0.5521	
8 Dichlorodifluoromethane	85	3.780	3.782	-0.002	100	160458	0.4000	0.4336	
9 Chloromethane	52	3.963	3.966	-0.003	61	16639	0.4000	0.4906	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.974	3.975	-0.001	92	104855	0.4000	0.4259	
11 Acetaldehyde	44	4.125	4.128	-0.003	96	113697	2.00	2.69	
12 Vinyl chloride	62	4.141	4.141	0.000	98	55174	0.4000	0.4278	
13 Butane	43	4.228	4.229	-0.001	85	80483	0.4000	0.4396	
14 Butadiene	54	4.228	4.229	-0.001	65	38362	0.4000	0.4270	
15 Bromomethane	94	4.551	4.554	-0.003	98	53433	0.4000	0.4277	
16 Chloroethane	64	4.691	4.696	-0.005	99	26337	0.4000	0.4289	
17 Ethanol	31	4.815	4.830	-0.015	96	84189	2.00	2.00	
18 Vinyl bromide	106	4.999	5.003	-0.004	97	49907	0.4000	0.4208	
19 2-Methylbutane	43	5.053	5.054	-0.001	89	49795	0.4000	0.4246	
20 Trichlorofluoromethane	101	5.274	5.278	-0.004	99	166211	0.4000	0.4211	
21 Acrolein	56	5.285	5.293	-0.008	26	8885	0.4000	0.4555	
22 Acetonitrile	40	5.344	5.359	-0.015	100	13664	0.4000	0.3952	
23 Acetone	58	5.409	5.416	-0.007	99	63373	1.20	1.53	
24 Pentane	72	5.495	5.499	-0.004	98	8722	0.4000	0.4263	
25 Isopropyl alcohol	45	5.527	5.541	-0.014	99	128084	1.20	1.17	
26 Ethyl ether	31	5.678	5.683	-0.005	93	28918	0.4000	0.3903	
27 1,1-Dichloroethene	96	5.986	5.988	-0.002	98	50578	0.4000	0.4184	
28 Acrylonitrile	53	6.088	6.100	-0.012	93	28394	0.4000	0.4066	
29 1,1,2-Trichloro-1,2,2-trif	101	6.164	6.169	-0.005	93	113814	0.4000	0.4096	
30 2-Methyl-2-propanol	59	6.164	6.169	-0.005	69	65043	0.4000	0.3788	
31 Methylene Chloride	84	6.331	6.339	-0.008	94	119820	0.4000	0.3982	
32 3-Chloro-1-propene	39	6.347	6.354	-0.007	97	40812	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
33 Carbon disulfide	76	6.498	6.502	-0.004	99	148505	0.4000	0.4339	
34 trans-1,2-Dichloroethene	96	7.150	7.151	-0.001	99	52213	0.4000	0.4144	
35 2-Methylpentane	43	7.166	7.174	-0.008	93	109910	0.4000	0.4297	
36 Methyl tert-butyl ether	73	7.301	7.310	-0.009	96	117095	0.4000	0.3877	
37 1,1-Dichloroethane	63	7.566	7.576	-0.010	100	93285	0.4000	0.4105	
38 Vinyl acetate	43	7.679	7.689	-0.010	100	87338	0.4000	0.3768	
39 2-Butanone (MEK)	72	8.137	8.150	-0.013	89	21297	0.4000	0.4064	
40 Hexane	56	8.153	8.157	-0.004	81	36988	0.4000	0.3997	
41 Isopropyl ether	45	8.326	8.336	-0.010	94	127480	0.4000	0.3821	
42 cis-1,2-Dichloroethene	96	8.558	8.564	-0.006	94	51212	0.4000	0.3995	
43 Ethyl acetate	43	8.752	8.766	-0.014	99	76723	0.4000	0.3843	
44 Chloroform	83	8.897	8.909	-0.012	96	114202	0.4000	0.4037	
45 Tert-butyl ethyl ether	59	9.011	9.018	-0.007	96	118718	0.4000	0.3761	
46 Tetrahydrofuran	42	9.329	9.341	-0.012	93	42605	0.4000	0.3788	
47 1,1,1-Trichloroethane	97	9.933	9.938	-0.005	95	122009	0.4000	0.3979	
48 1,2-Dichloroethane	62	10.041	10.048	-0.007	98	69568	0.4000	0.4174	
50 Benzene	78	10.531	10.538	-0.007	96	146565	0.4000	0.4416	
49 Cyclohexane	69	10.531	10.538	-0.007	70	25112	0.4000	0.4425	
52 Carbon tetrachloride	117	10.558	10.561	-0.003	97	99488	0.4000	0.3637	
51 n-Butanol	31	10.580	10.575	0.005	67	11450	0.4000	0.3940	
53 2,3-Dimethylpentane	71	10.655	10.661	-0.006	90	36699	0.4000	0.4298	
54 Thiophene	84	10.801	10.810	-0.009	93	84250	0.4000	0.4384	
55 Isooctane	57	11.292	11.298	-0.006	98	236536	0.4000	0.4317	
56 n-Heptane	71	11.669	11.672	-0.003	89	49667	0.4000	0.4118	
57 1,2-Dichloropropane	63	11.745	11.753	-0.008	89	52920	0.4000	0.4315	
58 Trichloroethene	130	11.782	11.791	-0.009	96	68008	0.4000	0.4240	
59 Dibromomethane	93	11.869	11.872	-0.003	94	60833	0.4000	0.4228	
60 Dichlorobromomethane	83	12.014	12.019	-0.005	98	103520	0.4000	0.4278	
61 1,4-Dioxane	88	12.057	12.063	-0.006	88	17555	0.4000	0.4011	
62 Methyl methacrylate	41	12.111	12.119	-0.008	95	41702	0.4000	0.3616	
63 Methylcyclohexane	83	12.553	12.557	-0.004	96	94283	0.4000	0.4314	
64 4-Methyl-2-pentanone (MIBK	43	12.979	12.981	-0.002	96	75119	0.4000	0.3751	
65 cis-1,3-Dichloropropene	75	13.012	13.015	-0.003	97	72155	0.4000	0.4170	
66 trans-1,3-Dichloropropene	75	13.702	13.707	-0.005	98	60929	0.4000	0.3832	
67 Toluene	91	13.826	13.830	-0.004	93	153398	0.4000	0.4063	
68 1,1,2-Trichloroethane	83	13.896	13.904	-0.008	99	48927	0.4000	0.4268	
69 2-Hexanone	58	14.306	14.306	0.000	93	34487	0.4000	0.3620	
70 n-Octane	85	14.516	14.518	-0.002	92	54238	0.4000	0.3896	
71 Chlorodibromomethane	129	14.603	14.606	-0.003	98	89584	0.4000	0.3916	
72 Ethylene Dibromide	107	14.894	14.895	-0.001	99	82068	0.4000	0.4224	
73 Tetrachloroethene	129	14.969	14.971	-0.002	93	63782	0.4000	0.4048	
75 Chlorobenzene	112	15.843	15.844	-0.001	95	135008	0.4000	0.4238	
74 2,3-Dimethylheptane	43	15.864	15.863	0.001	93	160839	0.4000	0.4147	
78 Ethylbenzene	91	16.129	16.132	-0.003	98	202637	0.4000	0.4070	
79 m-Xylene & p-Xylene	91	16.290	16.294	-0.004	98	324077	0.8000	0.8270	
80 n-Nonane	57	16.711	16.712	-0.001	91	93816	0.4000	0.4104	
81 Bromoform	173	16.738	16.743	-0.005	93	69779	0.4000	0.3467	
82 Styrene	104	16.754	16.757	-0.003	99	102267	0.4000	0.3649	
83 o-Xylene	91	16.819	16.819	0.000	95	169865	0.4000	0.3960	
84 1,1,2,2-Tetrachloroethane	83	17.137	17.139	-0.002	99	119183	0.4000	0.4092	
85 1,2,3-Trichloropropane	110	17.299	17.299	0.000	98	36760	0.4000	0.3964	
86 Isopropylbenzene	105	17.401	17.405	-0.004	96	220795	0.4000	0.3782	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 N-Propylbenzene	120	17.940	17.942	-0.002	99	57352	0.4000	0.3633	
88 2-Chlorotoluene	126	17.989	17.989	0.000	97	59128	0.4000	0.3777	
89 4-Ethyltoluene	105	18.091	18.091	0.000	99	213208	0.4000	0.4018	
90 1,3,5-Trimethylbenzene	120	18.162	18.165	-0.003	92	86967	0.4000	0.3629	
92 Alpha Methyl Styrene	118	18.393	18.393	0.000	88	68592	0.4000	0.3059	
93 n-Decane	57	18.447	18.449	-0.002	92	120423	0.4000	0.4015	
94 tert-Butylbenzene	119	18.588	18.586	0.002	92	200896	0.4000	0.3758	
95 1,2,4-Trimethylbenzene	105	18.598	18.599	-0.001	96	188149	0.4000	0.3717	
96 sec-Butylbenzene	105	18.852	18.853	-0.001	98	270160	0.4000	0.3775	
97 1,3-Dichlorobenzene	146	18.868	18.868	0.000	99	134883	0.4000	0.4071	
98 Benzyl chloride	91	18.938	18.942	-0.004	98	136291	0.4000	0.3812	
99 1,4-Dichlorobenzene	146	18.954	18.954	0.000	93	130284	0.4000	0.3955	
100 4-Isopropyltoluene	119	19.014	19.013	0.001	97	219736	0.4000	0.3650	
101 1,2,3-Trimethylbenzene	105	19.067	19.068	-0.001	98	193050	0.4000	0.3971	
102 Butylcyclohexane	83	19.121	19.121	0.000	95	167964	0.4000	0.3931	
103 2,3-Dihydroindene	117	19.310	19.311	-0.001	93	177560	0.4000	0.3842	
104 1,2-Dichlorobenzene	146	19.310	19.311	-0.001	82	129675	0.4000	0.3862	
105 n-Butylbenzene	91	19.445	19.443	0.002	98	220941	0.4000	0.3705	
106 Indene	116	19.440	19.440	0.000	91	140112	0.4000	0.3586	
107 Undecane	57	19.752	19.752	0.000	96	115840	0.4000	0.3598	
108 1,2-Dibromo-3-Chloropropan	157	19.909	19.908	0.001	93	48515	0.4000	0.3533	
109 1,2,4,5-Tetramethylbenzene	119	20.194	20.195	-0.001	97	184678	0.4000	0.3347	
110 Dodecane	57	20.804	20.804	0.000	96	85690	0.4000	0.3674	
111 1,2,4-Trichlorobenzene	180	21.003	21.002	0.001	94	78013	0.4000	0.3084	
112 Naphthalene	128	21.144	21.140	0.004	99	189238	0.4000	0.3055	
113 Hexachlorobutadiene	225	21.348	21.348	0.000	92	89124	0.4000	0.3084	
114 1,2,3-Trichlorobenzene	180	21.419	21.418	0.001	95	74112	0.4000	0.2967	
115 2-Methylnaphthalene	142	22.184	22.185	-0.001	99	35686	0.4000	0.2373	
116 1-Methylnaphthalene	142	22.362	22.359	0.003	99	50243	0.4000	0.2839	
A 122 C8 Range	1	14.501	(14.458-14.565)		0	472196	0.4000	0.3908	
S 123 1,2-Dichloroethene, Total	1				0		0.8000	0.8139	
S 124 Xylenes, Total	100				0		1.20	1.22	

Reagents:

40L5DQP_00017	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

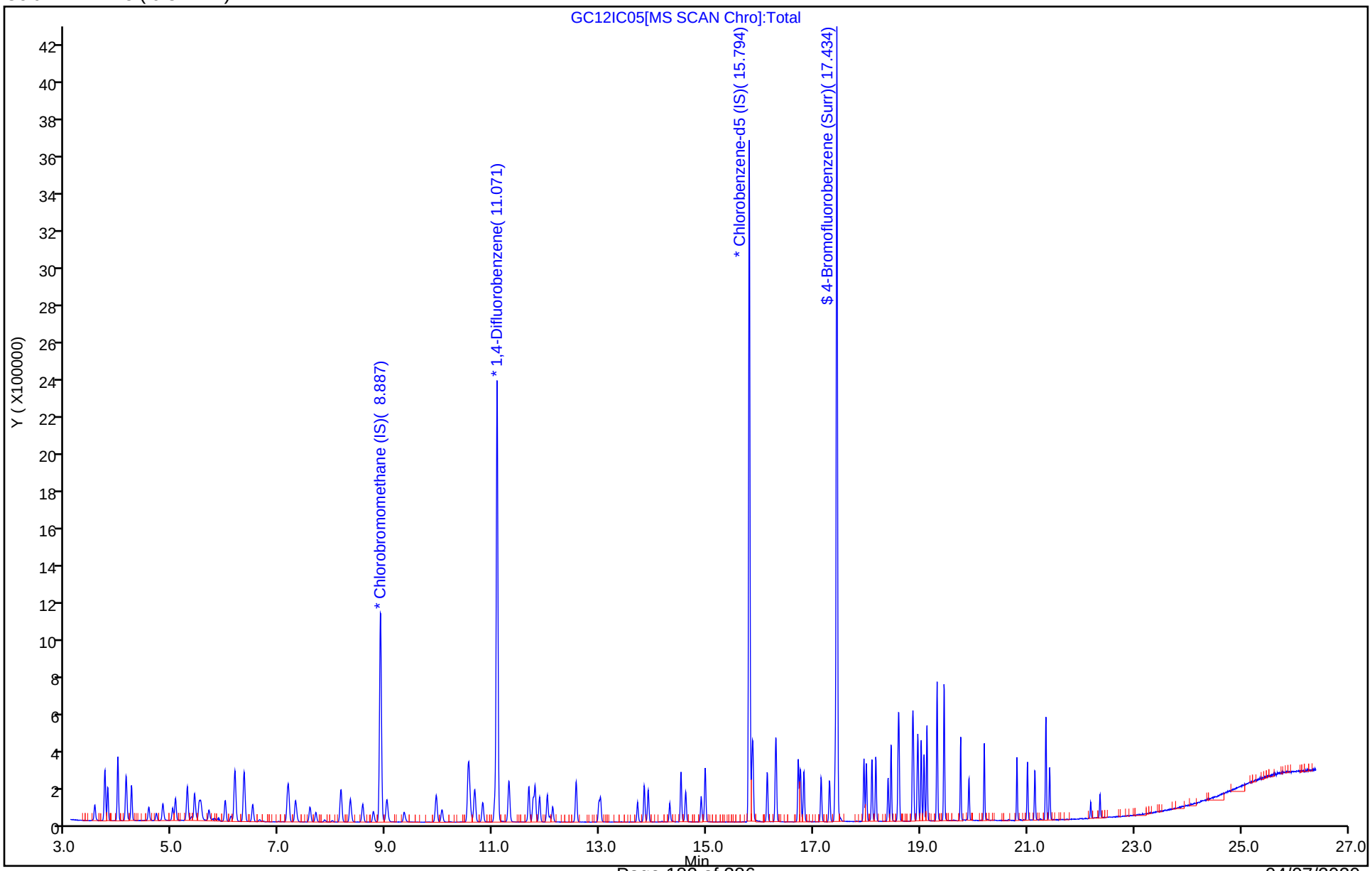
Report Date: 13-Mar-2020 12:04:47 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC05.D

Injection Date:	12-Mar-2020 18:46:30	Instrument ID:	MG	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:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

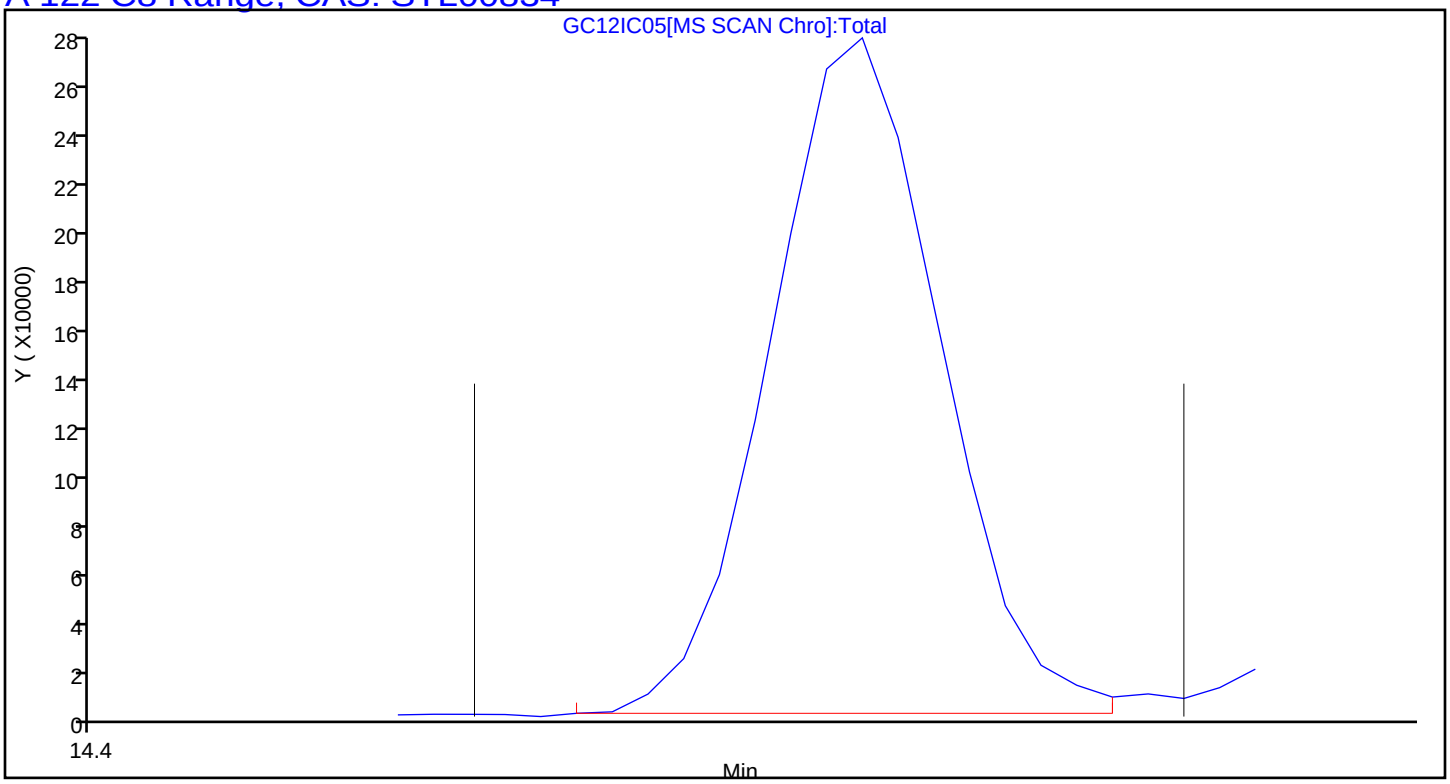


Report Date: 13-Mar-2020 12:04:47 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC05.D				
Injection Date:	12-Mar-2020 18:46:30	Instrument ID:	MG		
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:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC06.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 12-Mar-2020 19:34:30 ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014911-008
Misc. Info.: 285629
Operator ID: HMT Instrument ID: MG
Sublist: chrom-MG_TO15*sub17

Method: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 13-Mar-2020 12:04:53 Calib Date: 13-Mar-2020 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0324

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	8.925	8.897	0.028	90	384955	4.00	4.00	
* 2 1,4-Difluorobenzene	114	11.103	11.079	0.024	94	2558651	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.805	15.796	0.009	87	2279172	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.439	17.435	0.004	89	1613908	4.00	3.96	
6 Chlorodifluoromethane	51	3.732	3.721	0.011	96	211421	1.00	0.9731	
7 Propene	41	3.737	3.732	0.005	99	177441	1.00	1.04	
8 Dichlorodifluoromethane	85	3.791	3.782	0.009	100	384737	1.00	0.9493	
9 Chloromethane	52	3.974	3.966	0.008	99	40241	1.00	1.08	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.991	3.975	0.016	93	259943	1.00	0.9639	
11 Acetaldehyde	44	4.147	4.128	0.019	99	267384	5.00	5.78	
12 Vinyl chloride	62	4.152	4.141	0.011	98	144204	1.00	1.02	
14 Butadiene	54	4.244	4.229	0.015	65	100869	1.00	1.03	
13 Butane	43	4.244	4.229	0.015	86	204275	1.00	1.02	
15 Bromomethane	94	4.568	4.554	0.014	98	136869	1.00	1.00	
16 Chloroethane	64	4.713	4.696	0.017	99	69612	1.00	1.04	
17 Ethanol	31	4.891	4.830	0.061	97	235871	5.00	5.12	
18 Vinyl bromide	106	5.021	5.003	0.017	98	132729	1.00	1.02	
19 2-Methylbutane	43	5.080	5.054	0.026	91	138225	1.00	1.08	
20 Trichlorofluoromethane	101	5.301	5.278	0.023	99	423959	1.00	0.9806	
21 Acrolein	56	5.322	5.293	0.029	93	21670	1.00	1.01	
22 Acetonitrile	40	5.398	5.359	0.039	99	42226	1.00	1.12	
23 Acetone	58	5.452	5.416	0.036	98	162931	3.00	3.59	
24 Pentane	72	5.527	5.499	0.028	98	23107	1.00	1.03	
25 Isopropyl alcohol	45	5.603	5.541	0.062	99	370445	3.00	3.08	
26 Ethyl ether	31	5.716	5.683	0.033	91	86858	1.00	1.07	
27 1,1-Dichloroethene	96	6.013	5.988	0.025	98	134623	1.00	1.02	
28 Acrylonitrile	53	6.137	6.100	0.037	93	76697	1.00	1.00	
30 2-Methyl-2-propanol	59	6.245	6.169	0.076	94	168336	1.00	0.8949	
29 1,1,2-Trichloro-1,2,2-trif	101	6.196	6.169	0.027	95	309154	1.00	1.02	
31 Methylene Chloride	84	6.369	6.339	0.030	94	202841	1.00	1.03	
32 3-Chloro-1-propene	39	6.385	6.354	0.031	96	114904	1.00	1.01	

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	6.525	6.502	0.023	99	378484	1.00	1.01	
34 trans-1,2-Dichloroethene	96	7.177	7.151	0.026	99	136611	1.00	0.9899	
35 2-Methylpentane	43	7.199	7.174	0.025	94	290012	1.00	1.04	
36 Methyl tert-butyl ether	73	7.345	7.310	0.035	96	336956	1.00	1.02	
37 1,1-Dichloroethane	63	7.603	7.576	0.027	100	240460	1.00	0.9661	
38 Vinyl acetate	43	7.727	7.689	0.038	100	252812	1.00	1.00	
39 2-Butanone (MEK)	72	8.186	8.150	0.036	85	54797	1.00	0.9547	
40 Hexane	56	8.186	8.157	0.029	73	97877	1.00	0.9656	
41 Isopropyl ether	45	8.364	8.336	0.028	95	379518	1.00	1.04	
42 cis-1,2-Dichloroethene	96	8.596	8.564	0.032	94	137497	1.00	0.9793	
43 Ethyl acetate	43	8.801	8.766	0.035	99	220231	1.00	1.01	
44 Chloroform	83	8.941	8.909	0.032	96	295461	1.00	0.9536	
45 Tert-butyl ethyl ether	59	9.043	9.018	0.025	95	360135	1.00	1.04	
46 Tetrahydrofuran	42	9.367	9.341	0.026	92	122539	1.00	0.99	
47 1,1,1-Trichloroethane	97	9.965	9.938	0.027	95	324308	1.00	0.9656	
48 1,2-Dichloroethane	62	10.073	10.048	0.025	98	180228	1.00	0.9492	
49 Cyclohexane	69	10.558	10.538	0.020	95	65414	1.00	1.01	
50 Benzene	78	10.558	10.538	0.020	97	369675	1.00	0.9779	
52 Carbon tetrachloride	117	10.580	10.561	0.019	97	323597	1.00	1.04	
51 n-Butanol	31	10.650	10.575	0.075	70	28650	1.00	0.8655	
53 2,3-Dimethylpentane	71	10.677	10.661	0.016	90	103026	1.00	1.06	
54 Thiophene	84	10.833	10.810	0.023	94	213076	1.00	0.9734	
55 Isooctane	57	11.319	11.298	0.021	99	643214	1.00	1.03	
56 n-Heptane	71	11.691	11.672	0.019	90	138903	1.00	1.01	
57 1,2-Dichloropropane	63	11.772	11.753	0.019	90	138833	1.00	0.99	
58 Trichloroethene	130	11.809	11.791	0.018	96	171461	1.00	0.9384	
59 Dibromomethane	93	11.890	11.872	0.018	93	156954	1.00	0.9577	
60 Dichlorobromomethane	83	12.036	12.019	0.017	98	270942	1.00	0.9830	
61 1,4-Dioxane	88	12.085	12.063	0.021	87	50628	1.00	1.02	
62 Methyl methacrylate	41	12.138	12.119	0.019	97	134446	1.00	1.02	
63 Methylcyclohexane	83	12.570	12.557	0.013	96	262461	1.00	1.05	
64 4-Methyl-2-pentanone (MIBK	43	13.001	12.981	0.020	96	226527	1.00	0.99	
65 cis-1,3-Dichloropropene	75	13.028	13.015	0.013	94	188406	1.00	0.9559	
66 trans-1,3-Dichloropropene	75	13.718	13.707	0.011	98	164912	1.00	0.9733	
67 Toluene	91	13.842	13.830	0.012	94	408057	1.00	1.01	
68 1,1,2-Trichloroethane	83	13.918	13.904	0.014	99	123924	1.00	1.01	
69 2-Hexanone	58	14.322	14.306	0.016	95	103308	1.00	1.02	
70 n-Octane	85	14.527	14.518	0.009	92	150710	1.00	1.02	
71 Chlorodibromomethane	129	14.619	14.606	0.013	98	245913	1.00	1.01	
72 Ethylene Dibromide	107	14.905	14.895	0.010	98	209433	1.00	1.01	
73 Tetrachloroethene	129	14.980	14.971	0.009	94	158858	1.00	0.9462	
75 Chlorobenzene	112	15.854	15.844	0.010	94	330947	1.00	0.9750	
74 2,3-Dimethylheptane	43	15.870	15.863	0.007	94	440232	1.00	1.07	
78 Ethylbenzene	91	16.140	16.132	0.008	98	539044	1.00	1.02	
79 m-Xylene & p-Xylene	91	16.301	16.294	0.007	98	863311	2.00	2.07	
80 n-Nonane	57	16.717	16.712	0.005	90	259979	1.00	1.07	
81 Bromoform	173	16.749	16.743	0.006	95	217047	1.00	1.01	
82 Styrene	104	16.765	16.757	0.008	98	291776	1.00	0.9772	
83 o-Xylene	91	16.824	16.819	0.005	98	480946	1.00	1.05	
84 1,1,2,2-Tetrachloroethane	83	17.143	17.139	0.004	99	329294	1.00	1.06	
85 1,2,3-Trichloropropane	110	17.304	17.299	0.005	98	101262	1.00	1.02	
86 Isopropylbenzene	105	17.407	17.405	0.002	96	639317	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
87 N-Propylbenzene	120	17.946	17.942	0.004	99	165438	1.00	0.9836	
88 2-Chlorotoluene	126	17.989	17.989	0.000	97	163674	1.00	0.9813	
89 4-Ethyltoluene	105	18.092	18.091	0.001	99	610719	1.00	1.08	
90 1,3,5-Trimethylbenzene	120	18.167	18.165	0.002	92	256568	1.00	1.00	
92 Alpha Methyl Styrene	118	18.394	18.393	0.001	89	218239	1.00	0.9135	
93 n-Decane	57	18.453	18.449	0.004	92	339384	1.00	1.06	
94 tert-Butylbenzene	119	18.588	18.586	0.002	91	592684	1.00	1.04	
95 1,2,4-Trimethylbenzene	105	18.598	18.599	-0.001	96	544920	1.00	1.01	
96 sec-Butylbenzene	105	18.852	18.853	-0.001	98	793906	1.00	1.04	
97 1,3-Dichlorobenzene	146	18.868	18.868	0.000	99	354158	1.00	1.00	
98 Benzyl chloride	91	18.944	18.942	0.002	98	399881	1.00	1.05	
99 1,4-Dichlorobenzene	146	18.954	18.954	0.000	94	349456	1.00	1.00	
100 4-Isopropyltoluene	119	19.014	19.013	0.001	97	653502	1.00	1.02	
101 1,2,3-Trimethylbenzene	105	19.068	19.068	0.000	99	561988	1.00	1.08	
102 Butylcyclohexane	83	19.122	19.121	0.001	96	465568	1.00	1.02	
103 2,3-Dihydroindene	117	19.310	19.311	-0.001	93	507782	1.00	1.03	
104 1,2-Dichlorobenzene	146	19.310	19.311	-0.001	81	358716	1.00	1.00	
106 Indene	116	19.440	19.440	0.000	91	420291	1.00	1.01	
105 n-Butylbenzene	91	19.445	19.443	0.002	98	643863	1.00	1.01	
107 Undecane	57	19.752	19.752	0.000	95	343988	1.00	1.00	
108 1,2-Dibromo-3-Chloropropan	157	19.909	19.908	0.001	98	165204	1.00	1.13	
109 1,2,4,5-Tetramethylbenzene	119	20.195	20.195	0.000	97	582321	1.00	0.99	
110 Dodecane	57	20.804	20.804	0.000	96	206389	1.00	0.8304	
111 1,2,4-Trichlorobenzene	180	21.003	21.002	0.001	94	223008	1.00	0.8273	
112 Naphthalene	128	21.144	21.140	0.004	99	532547	1.00	0.8069	
113 Hexachlorobutadiene	225	21.349	21.348	0.001	93	263448	1.00	0.8554	
114 1,2,3-Trichlorobenzene	180	21.419	21.418	0.001	94	175708	1.00	0.6602	
115 2-Methylnaphthalene	142	22.184	22.185	-0.001	100	89397	1.00	0.5579	
116 1-Methylnaphthalene	142	22.357	22.359	-0.002	100	122347	1.00	0.6487	
A 122 C8 Range	1	14.522	(14.469-14.576)		0	1282182	1.00	1.00	
S 123 1,2-Dichloroethene, Total	1				0		2.00	1.97	
S 124 Xylenes, Total	100				0		3.00	3.12	

Reagents:

40L6DQP_00016	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

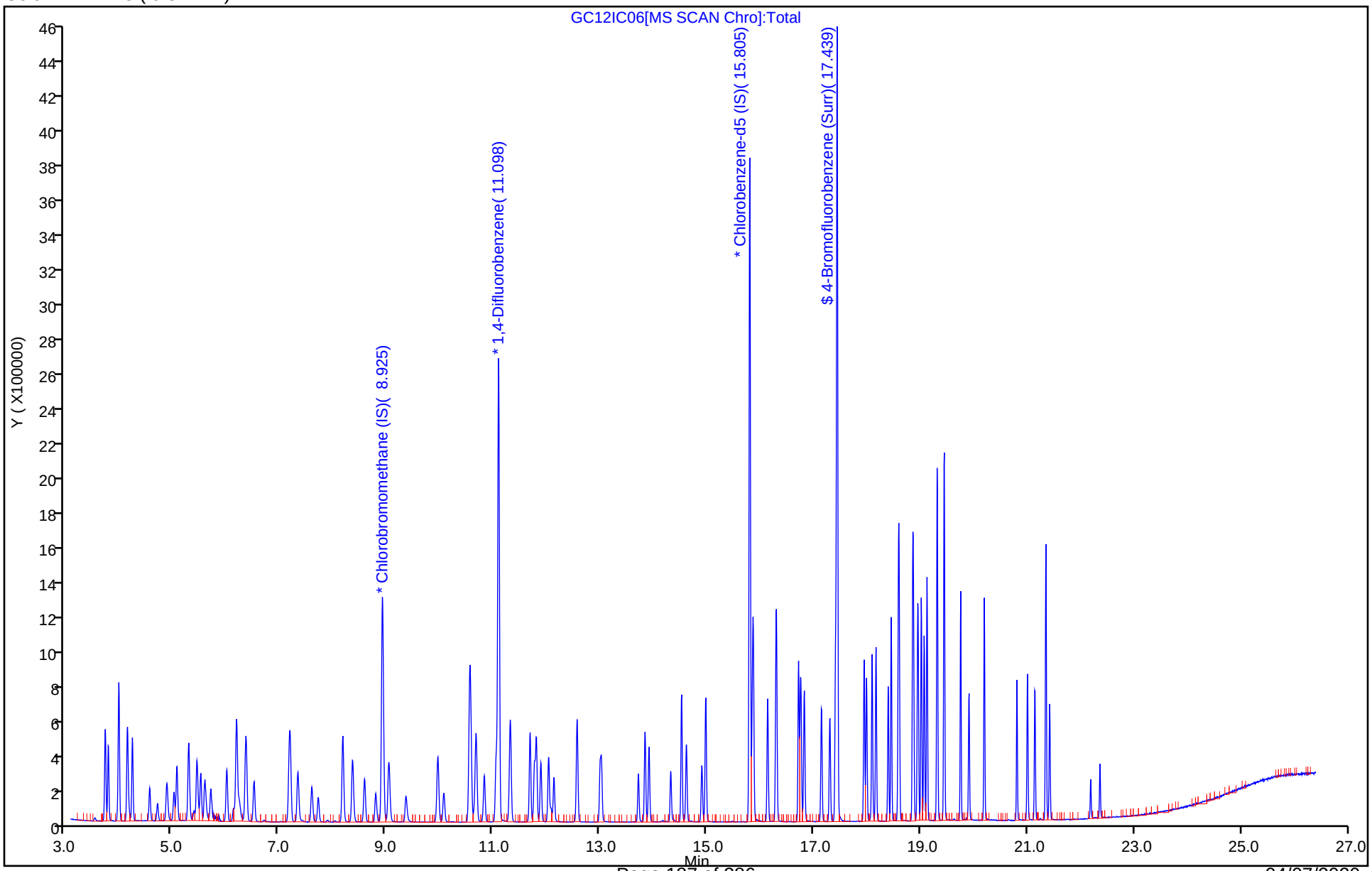
Report Date: 13-Mar-2020 12:04:54 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC06.D

Injection Date:	12-Mar-2020 19:34:30	Instrument ID:	MG	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:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

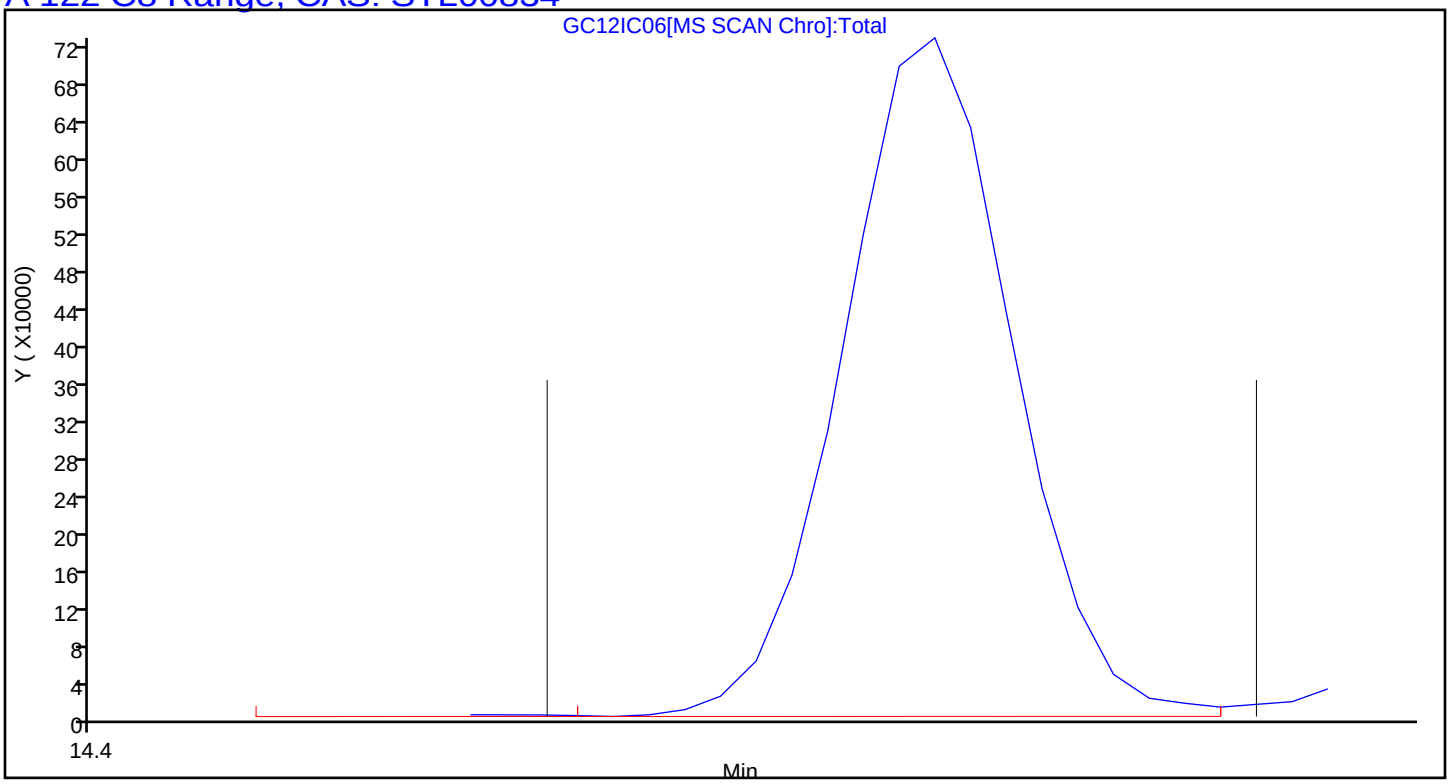


Report Date: 13-Mar-2020 12:04:54 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC06.D				
Injection Date:	12-Mar-2020 19:34:30	Instrument ID:	MG		
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:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC07.D
Lims ID: ICIS L7
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 12-Mar-2020 20:18:30 ALS Bottle#: 4 Worklist Smp#: 9
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014911-009
Misc. Info.: 285132
Operator ID: HMT Instrument ID: MG
Sublist: chrom-MG_TO15*sub17

Method: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 13-Mar-2020 12:05:01 Calib Date: 13-Mar-2020 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: tajh Date: 13-Mar-2020 07:23:25

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	8.892	8.897	-0.005	90	391907	4.00	4.00	
* 2 1,4-Difluorobenzene	114	11.076	11.079	-0.003	94	2770329	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.794	15.796	-0.002	87	2456570	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.434	17.435	-0.001	89	1733342	4.00	3.95	
6 Chlorodifluoromethane	51	3.715	3.721	-0.006	96	400226	2.00	1.81	
7 Propene	41	3.732	3.732	0.000	99	256339	2.00	1.80	
8 Dichlorodifluoromethane	85	3.780	3.782	-0.002	100	755221	2.00	1.83	
9 Chloromethane	52	3.963	3.966	-0.003	57	66060	2.00	1.75	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.974	3.975	-0.001	95	497674	2.00	1.81	
11 Acetaldehyde	44	4.120	4.128	-0.008	97	433107	10.0	9.19	
12 Vinyl chloride	62	4.136	4.141	-0.005	99	257798	2.00	1.79	
14 Butadiene	54	4.228	4.229	-0.001	67	187026	2.00	1.87	
13 Butane	43	4.228	4.229	-0.001	85	368271	2.00	1.80	
15 Bromomethane	94	4.551	4.554	-0.003	98	252423	2.00	1.81	
16 Chloroethane	64	4.691	4.696	-0.005	99	125356	2.00	1.83	
17 Ethanol	31	4.805	4.830	-0.025	98	476170	10.0	10.2	
18 Vinyl bromide	106	4.999	5.003	-0.004	99	248137	2.00	1.88	
19 2-Methylbutane	43	5.053	5.054	-0.001	90	244164	2.00	1.87	
20 Trichlorofluoromethane	101	5.274	5.278	-0.004	99	808940	2.00	1.84	
21 Acrolein	56	5.285	5.293	-0.008	95	39264	2.00	1.81	
22 Acetonitrile	40	5.349	5.359	-0.010	99	71195	2.00	1.85	
23 Acetone	58	5.398	5.416	-0.018	99	256391	6.00	5.54	
24 Pentane	72	5.495	5.499	-0.004	96	41359	2.00	1.81	
25 Isopropyl alcohol	45	5.500	5.541	-0.041	93	732055	6.00	5.98	
26 Ethyl ether	31	5.662	5.683	-0.021	89	159655	2.00	1.93	
27 1,1-Dichloroethene	96	5.980	5.988	-0.008	97	261584	2.00	1.94	
28 Acrylonitrile	53	6.088	6.100	-0.012	94	155158	2.00	1.99	
29 1,1,2-Trichloro-1,2,2-trif	101	6.163	6.169	-0.006	96	584448	2.00	1.89	
30 2-Methyl-2-propanol	59	6.115	6.169	-0.054	96	390344	2.00	2.04	
31 Methylene Chloride	84	6.331	6.339	-0.008	94	309339	2.00	1.93	

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	6.352	6.354	-0.002	98	221779	2.00	1.92	
33 Carbon disulfide	76	6.498	6.502	-0.004	99	738799	2.00	1.94	
34 trans-1,2-Dichloroethene	96	7.145	7.151	-0.006	99	270596	2.00	1.93	
35 2-Methylpentane	43	7.166	7.174	-0.008	93	568688	2.00	1.99	
36 Methyl tert-butyl ether	73	7.285	7.310	-0.025	96	699064	2.00	2.08	
37 1,1-Dichloroethane	63	7.571	7.576	-0.005	100	482920	2.00	1.91	
38 Vinyl acetate	43	7.679	7.689	-0.010	99	546305	2.00	2.11	
39 2-Butanone (MEK)	72	8.132	8.150	-0.018	98	115583	2.00	1.98	
40 Hexane	56	8.153	8.157	-0.004	92	201536	2.00	1.95	
41 Isopropyl ether	45	8.315	8.336	-0.021	95	780783	2.00	2.10	
42 cis-1,2-Dichloroethene	96	8.558	8.564	-0.006	93	277595	2.00	1.94	
43 Ethyl acetate	43	8.746	8.766	-0.020	99	471874	2.00	2.12	
44 Chloroform	83	8.908	8.909	-0.001	96	595440	2.00	1.89	
45 Tert-butyl ethyl ether	59	8.994	9.018	-0.024	94	749515	2.00	2.13	
46 Tetrahydrofuran	42	9.313	9.341	-0.028	92	261750	2.00	2.09	
47 1,1,1-Trichloroethane	97	9.933	9.938	-0.005	95	658368	2.00	1.93	
48 1,2-Dichloroethane	62	10.046	10.048	-0.002	98	382632	2.00	1.86	
49 Cyclohexane	69	10.531	10.538	-0.007	78	133014	2.00	1.90	
50 Benzene	78	10.531	10.538	-0.007	96	760654	2.00	1.86	
52 Carbon tetrachloride	117	10.558	10.561	-0.003	98	692229	2.00	2.05	
51 n-Butanol	31	10.537	10.575	-0.038	67	69899	2.00	1.95	
53 2,3-Dimethylpentane	71	10.655	10.661	-0.006	90	204155	2.00	1.94	
54 Thiophene	84	10.806	10.810	-0.004	94	447462	2.00	1.89	
55 Isooctane	57	11.292	11.298	-0.006	99	1296726	2.00	1.92	
56 n-Heptane	71	11.669	11.672	-0.003	89	291642	2.00	1.96	
57 1,2-Dichloropropane	63	11.750	11.753	-0.003	89	284652	2.00	1.88	
58 Trichloroethene	130	11.788	11.791	-0.003	96	366677	2.00	1.85	
59 Dibromomethane	93	11.869	11.872	-0.003	95	324779	2.00	1.83	
60 Dichlorobromomethane	83	12.014	12.019	-0.005	98	584884	2.00	1.96	
61 1,4-Dioxane	88	12.036	12.063	-0.027	86	116734	2.00	2.16	
62 Methyl methacrylate	41	12.106	12.119	-0.013	96	295596	2.00	2.08	
63 Methylcyclohexane	83	12.553	12.557	-0.004	95	544153	2.00	2.02	
64 4-Methyl-2-pentanone (MIBK	43	12.963	12.981	-0.018	97	502243	2.00	2.03	
65 cis-1,3-Dichloropropene	75	13.012	13.015	-0.003	93	405221	2.00	1.90	
66 trans-1,3-Dichloropropene	75	13.702	13.707	-0.005	97	363137	2.00	1.99	
67 Toluene	91	13.826	13.830	-0.004	94	867482	2.00	2.00	
68 1,1,2-Trichloroethane	83	13.902	13.904	-0.002	99	259337	2.00	1.97	
69 2-Hexanone	58	14.290	14.306	-0.016	94	244626	2.00	2.24	
70 n-Octane	85	14.516	14.518	-0.002	91	327237	2.00	2.05	
71 Chlorodibromomethane	129	14.603	14.606	-0.003	97	549287	2.00	2.09	
72 Ethylene Dibromide	107	14.894	14.895	-0.001	99	445351	2.00	2.00	
73 Tetrachloroethene	129	14.969	14.971	-0.002	94	336192	2.00	1.86	
75 Chlorobenzene	112	15.843	15.844	-0.001	94	689326	2.00	1.88	
74 2,3-Dimethylheptane	43	15.859	15.863	-0.004	93	898818	2.00	2.02	
78 Ethylbenzene	91	16.129	16.132	-0.003	98	1196188	2.00	2.09	
79 m-Xylene & p-Xylene	91	16.290	16.294	-0.004	98	1889165	4.00	4.20	
80 n-Nonane	57	16.711	16.712	-0.001	89	571559	2.00	2.18	
81 Bromoform	173	16.743	16.743	0.000	95	527250	2.00	2.28	
82 Styrene	104	16.754	16.757	-0.003	98	672588	2.00	2.09	
83 o-Xylene	91	16.819	16.819	0.000	98	1028606	2.00	2.09	
84 1,1,2,2-Tetrachloroethane	83	17.137	17.139	-0.002	100	698190	2.00	2.09	
85 1,2,3-Trichloropropane	110	17.299	17.299	0.000	98	216416	2.00	2.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 Isopropylbenzene	105	17.407	17.405	0.002	96	1403435	2.00	2.09	
87 N-Propylbenzene	120	17.940	17.942	-0.002	99	372616	2.00	2.06	
88 2-Chlorotoluene	126	17.989	17.989	0.000	97	354524	2.00	1.97	
89 4-Ethyltoluene	105	18.091	18.091	0.000	99	1349997	2.00	2.22	
90 1,3,5-Trimethylbenzene	120	18.162	18.165	-0.003	93	576786	2.00	2.10	
92 Alpha Methyl Styrene	118	18.393	18.393	0.000	88	535607	2.00	2.08	
93 n-Decane	57	18.447	18.449	-0.002	92	715532	2.00	2.08	
94 tert-Butylbenzene	119	18.587	18.586	0.001	91	1301479	2.00	2.12	
95 1,2,4-Trimethylbenzene	105	18.598	18.599	-0.001	96	1211666	2.00	2.08	
96 sec-Butylbenzene	105	18.852	18.853	-0.001	98	1757114	2.00	2.14	
97 1,3-Dichlorobenzene	146	18.868	18.868	0.000	99	776890	2.00	2.04	
98 Benzyl chloride	91	18.943	18.942	0.001	98	941627	2.00	2.29	
99 1,4-Dichlorobenzene	146	18.954	18.954	0.000	95	761800	2.00	2.01	
100 4-Isopropyltoluene	119	19.013	19.013	0.000	96	1460589	2.00	2.11	
101 1,2,3-Trimethylbenzene	105	19.067	19.068	-0.001	98	1247959	2.00	2.24	
102 Butylcyclohexane	83	19.121	19.121	0.000	96	1000255	2.00	2.04	
103 2,3-Dihydroindene	117	19.310	19.311	-0.001	93	1122629	2.00	2.12	
104 1,2-Dichlorobenzene	146	19.310	19.311	-0.001	82	781488	2.00	2.03	
106 Indene	116	19.439	19.440	-0.001	91	978599	2.00	2.18	
105 n-Butylbenzene	91	19.445	19.443	0.002	97	1416354	2.00	2.07	
107 Undecane	57	19.752	19.752	0.000	94	752451	2.00	2.03	
108 1,2-Dibromo-3-Chloropropan	157	19.909	19.908	0.001	98	394924	2.00	2.50	
109 1,2,4,5-Tetramethylbenzene	119	20.194	20.195	-0.001	97	1319782	2.00	2.08	
110 Dodecane	57	20.804	20.804	0.000	95	560542	2.00	2.09	
111 1,2,4-Trichlorobenzene	180	21.003	21.002	0.001	95	549951	2.00	1.89	
112 Naphthalene	128	21.138	21.140	-0.002	99	1316060	2.00	1.85	
113 Hexachlorobutadiene	225	21.348	21.348	0.000	94	604759	2.00	1.82	
114 1,2,3-Trichlorobenzene	180	21.418	21.418	0.000	94	464134	2.00	1.62	
115 2-Methylnaphthalene	142	22.184	22.185	-0.001	100	288613	2.00	1.67	
116 1-Methylnaphthalene	142	22.362	22.359	0.003	100	367601	2.00	1.81	
A 122 C8 Range	1	14.501	(14.458-14.565)		0	2697617	2.00	1.94	
S 123 1,2-Dichloroethene, Total	1				0		4.00	3.87	
S 124 Xylenes, Total	100				0		6.00	6.29	

Reagents:

40L7DQP_00016	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

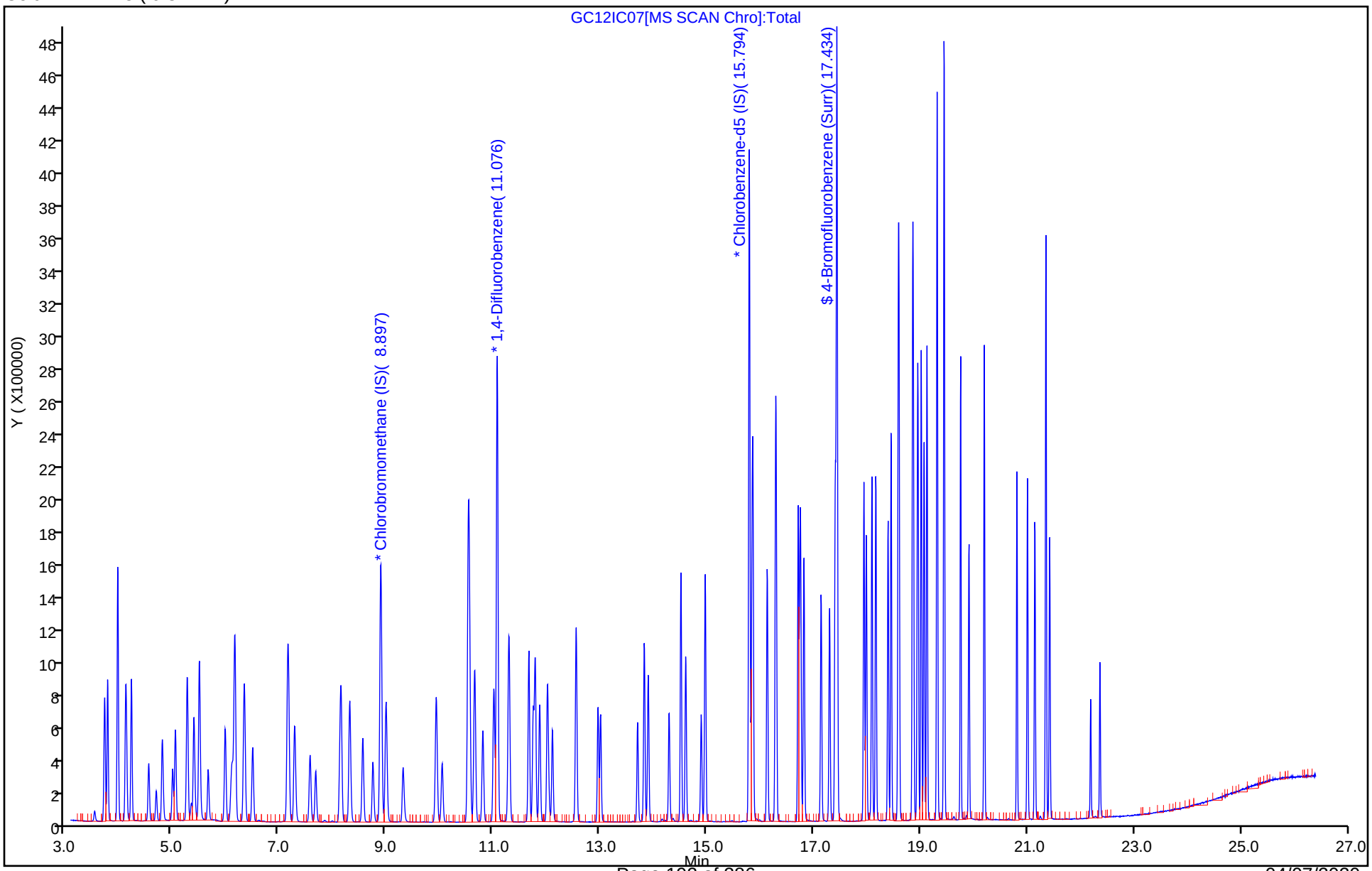
Report Date: 13-Mar-2020 12:05:03 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC07.D

Injection Date:	12-Mar-2020 20:18:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	ICIS L7			Worklist Smp#:	9
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

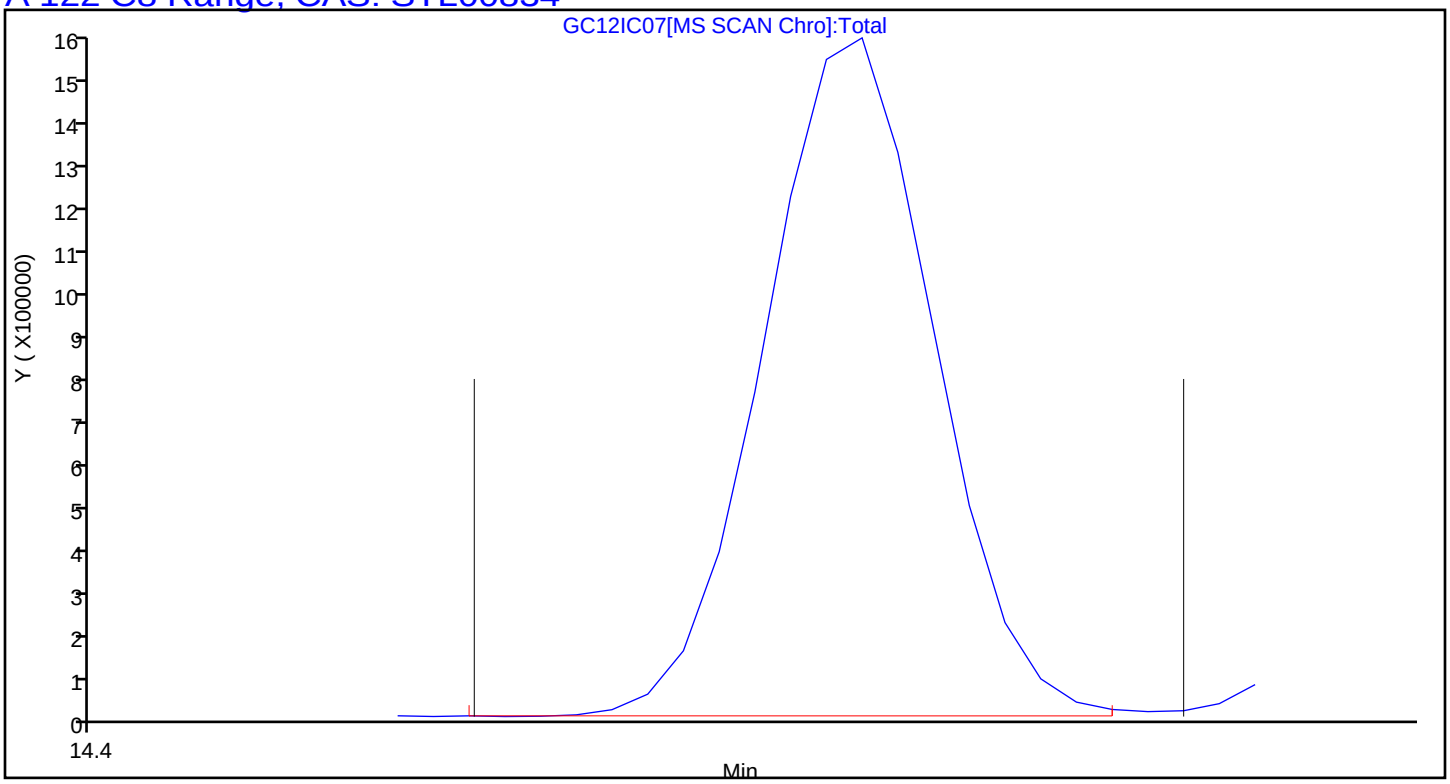


Report Date: 13-Mar-2020 12:05:03 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC07.D				
Injection Date:	12-Mar-2020 20:18:30	Instrument ID:	MG		
Lims ID:	ICIS L7				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	4	Worklist Smp#:	9
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC08.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 12-Mar-2020 21:47:30 ALS Bottle#: 5 Worklist Smp#: 11
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014911-011
Misc. Info.: 285131
Operator ID: HMT Instrument ID: MG
Sublist: chrom-MG_TO15*sub17

Method: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 13-Mar-2020 12:05:11 Calib Date: 13-Mar-2020 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0324

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	8.898	8.897	0.001	90	374133	4.00	4.00	
* 2 1,4-Difluorobenzene	114	11.082	11.079	0.003	94	2604466	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.794	15.796	-0.002	87	2376884	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.434	17.435	-0.001	89	1690004	4.00	3.98	
6 Chlorodifluoromethane	51	3.721	3.721	0.000	96	812769	4.00	3.85	
7 Propene	41	3.732	3.732	0.000	99	462799	4.00	4.10	
8 Dichlorodifluoromethane	85	3.780	3.782	-0.002	100	1500589	4.00	3.81	
9 Chloromethane	52	3.964	3.966	-0.002	98	139453	4.00	3.86	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.974	3.975	-0.001	91	1019481	4.00	3.89	
11 Acetaldehyde	44	4.120	4.128	-0.008	99	864444	20.0	19.2	
12 Vinyl chloride	62	4.136	4.141	-0.005	99	528215	4.00	3.85	
14 Butadiene	54	4.228	4.229	-0.001	69	380119	4.00	3.97	
13 Butane	43	4.228	4.229	-0.001	85	736816	4.00	3.78	
15 Bromomethane	94	4.551	4.554	-0.003	98	511951	4.00	3.85	
16 Chloroethane	64	4.692	4.696	-0.004	99	249797	4.00	3.82	
17 Ethanol	31	4.810	4.830	-0.020	97	898194	20.0	20.1	
18 Vinyl bromide	106	4.999	5.003	-0.004	98	488856	4.00	3.87	
19 2-Methylbutane	43	5.053	5.054	-0.001	89	467545	4.00	3.75	
20 Trichlorofluoromethane	101	5.274	5.278	-0.004	99	1614563	4.00	3.84	
21 Acrolein	56	5.285	5.293	-0.008	95	87954	4.00	4.24	
22 Acetonitrile	40	5.355	5.359	-0.004	98	134601	4.00	3.66	
23 Acetone	58	5.398	5.416	-0.018	99	466868	12.0	10.6	
24 Pentane	72	5.500	5.499	0.001	98	80864	4.00	3.71	
25 Isopropyl alcohol	45	5.506	5.541	-0.035	97	1384411	12.0	11.8	
26 Ethyl ether	31	5.662	5.683	-0.021	90	320855	4.00	4.07	
27 1,1-Dichloroethene	96	5.986	5.988	-0.002	97	501174	4.00	3.90	
28 Acrylonitrile	53	6.099	6.100	-0.001	94	299474	4.00	4.03	
30 2-Methyl-2-propanol	59	6.115	6.169	-0.054	96	742176	4.00	4.06	
29 1,1,2-Trichloro-1,2,2-trif	101	6.164	6.169	-0.005	96	1126392	4.00	3.81	
31 Methylene Chloride	84	6.336	6.339	-0.003	94	521676	4.00	3.99	
32 3-Chloro-1-propene	39	6.352	6.354	-0.002	99	429836	4.00	3.89	

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	6.498	6.502	-0.004	99	1395584	4.00	3.83	
34 trans-1,2-Dichloroethene	96	7.150	7.151	-0.001	99	529206	4.00	3.95	
35 2-Methylpentane	43	7.172	7.174	-0.002	93	1083334	4.00	3.98	
36 Methyl tert-butyl ether	73	7.285	7.310	-0.025	96	1322984	4.00	4.12	
37 1,1-Dichloroethane	63	7.576	7.576	0.000	100	923177	4.00	3.82	
38 Vinyl acetate	43	7.684	7.689	-0.005	100	1086573	4.00	4.40	
39 2-Butanone (MEK)	72	8.132	8.150	-0.018	98	219979	4.00	3.94	
40 Hexane	56	8.153	8.157	-0.004	92	387784	4.00	3.94	
41 Isopropyl ether	45	8.315	8.336	-0.021	95	1467099	4.00	4.13	
42 cis-1,2-Dichloroethene	96	8.563	8.564	-0.001	94	538286	4.00	3.94	
43 Ethyl acetate	43	8.752	8.766	-0.014	99	905476	4.00	4.26	
44 Chloroform	83	8.914	8.909	0.005	97	1152377	4.00	3.83	
45 Tert-butyl ethyl ether	59	8.995	9.018	-0.023	95	1410358	4.00	4.20	
46 Tetrahydrofuran	42	9.313	9.341	-0.028	92	490736	4.00	4.10	
47 1,1,1-Trichloroethane	97	9.938	9.938	0.000	95	1280009	4.00	3.92	
48 1,2-Dichloroethane	62	10.052	10.048	0.004	98	746845	4.00	3.86	
49 Cyclohexane	69	10.537	10.538	-0.001	80	261477	4.00	3.97	
50 Benzene	78	10.537	10.538	-0.001	96	1476079	4.00	3.84	
51 n-Butanol	31	10.521	10.575	-0.054	77	136756	4.00	4.06	
52 Carbon tetrachloride	117	10.558	10.561	-0.003	97	1361548	4.00	4.29	
53 2,3-Dimethylpentane	71	10.656	10.661	-0.005	90	393034	4.00	3.97	
54 Thiophene	84	10.812	10.810	0.002	94	867620	4.00	3.89	
55 Isooctane	57	11.297	11.298	-0.001	98	2435720	4.00	3.83	
56 n-Heptane	71	11.669	11.672	-0.003	89	566746	4.00	4.05	
57 1,2-Dichloropropane	63	11.756	11.753	0.003	89	549711	4.00	3.87	
58 Trichloroethene	130	11.788	11.791	-0.003	98	720635	4.00	3.87	
59 Dibromomethane	93	11.874	11.872	0.002	95	642116	4.00	3.85	
60 Dichlorobromomethane	83	12.020	12.019	0.001	99	1165813	4.00	4.16	
61 1,4-Dioxane	88	12.036	12.063	-0.027	86	221468	4.00	4.36	
62 Methyl methacrylate	41	12.111	12.119	-0.008	96	583377	4.00	4.36	
63 Methylcyclohexane	83	12.559	12.557	0.002	95	1045481	4.00	4.13	
64 4-Methyl-2-pentanone (MIBK	43	12.963	12.981	-0.018	97	997387	4.00	4.30	
65 cis-1,3-Dichloropropene	75	13.012	13.015	-0.003	93	806968	4.00	4.02	
66 trans-1,3-Dichloropropene	75	13.708	13.707	0.001	97	729525	4.00	4.13	
67 Toluene	91	13.832	13.830	0.002	94	1734176	4.00	4.13	
68 1,1,2-Trichloroethane	83	13.907	13.904	0.003	99	512361	4.00	4.02	
69 2-Hexanone	58	14.290	14.306	-0.016	94	495261	4.00	4.68	
70 n-Octane	85	14.516	14.518	-0.002	90	648631	4.00	4.19	
71 Chlorodibromomethane	129	14.608	14.606	0.002	97	1144256	4.00	4.50	
72 Ethylene Dibromide	107	14.899	14.895	0.004	99	892446	4.00	4.13	
73 Tetrachloroethene	129	14.969	14.971	-0.002	95	673140	4.00	3.84	
75 Chlorobenzene	112	15.843	15.844	-0.001	95	1374278	4.00	3.88	
74 2,3-Dimethylheptane	43	15.865	15.863	0.002	91	1694317	4.00	3.93	
78 Ethylbenzene	91	16.134	16.132	0.002	98	2372926	4.00	4.29	
79 m-Xylene & p-Xylene	91	16.296	16.294	0.002	98	3747866	8.00	8.61	
80 n-Nonane	57	16.711	16.712	-0.001	89	1098379	4.00	4.32	
81 Bromoform	173	16.743	16.743	0.000	96	1140952	4.00	5.10	
82 Styrene	104	16.760	16.757	0.003	98	1368425	4.00	4.39	
83 o-Xylene	91	16.819	16.819	0.000	98	2007917	4.00	4.21	
84 1,1,2,2-Tetrachloroethane	83	17.143	17.139	0.004	99	1359709	4.00	4.20	
85 1,2,3-Trichloropropane	110	17.299	17.299	0.000	97	431324	4.00	4.19	
86 Isopropylbenzene	105	17.401	17.405	-0.004	96	2766485	4.00	4.26	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
87 N-Propylbenzene	120	17.941	17.942	-0.001	99	748576	4.00	4.27	
88 2-Chlorotoluene	126	17.989	17.989	0.000	97	708438	4.00	4.07	
89 4-Ethyltoluene	105	18.092	18.091	0.001	98	2691871	4.00	4.57	
90 1,3,5-Trimethylbenzene	120	18.167	18.165	0.002	92	1138348	4.00	4.27	
92 Alpha Methyl Styrene	118	18.394	18.393	0.001	89	1123513	4.00	4.51	
93 n-Decane	57	18.447	18.449	-0.002	92	1355754	4.00	4.07	
94 tert-Butylbenzene	119	18.588	18.586	0.002	92	2563716	4.00	4.32	
95 1,2,4-Trimethylbenzene	105	18.598	18.599	-0.001	96	2402815	4.00	4.27	
96 sec-Butylbenzene	105	18.852	18.853	-0.001	98	3487491	4.00	4.38	
97 1,3-Dichlorobenzene	146	18.868	18.868	0.000	99	1576264	4.00	4.28	
98 Benzyl chloride	91	18.944	18.942	0.002	98	1996706	4.00	5.03	
99 1,4-Dichlorobenzene	146	18.954	18.954	0.000	94	1546018	4.00	4.22	
100 4-Isopropyltoluene	119	19.014	19.013	0.001	96	2907946	4.00	4.35	
101 1,2,3-Trimethylbenzene	105	19.068	19.068	0.000	98	2445495	4.00	4.53	
102 Butylcyclohexane	83	19.122	19.121	0.001	96	1927391	4.00	4.06	
103 2,3-Dihydroindene	117	19.310	19.311	-0.001	93	2233414	4.00	4.35	
104 1,2-Dichlorobenzene	146	19.310	19.311	-0.001	82	1582737	4.00	4.24	
106 Indene	116	19.440	19.440	0.000	92	1982771	4.00	4.57	
105 n-Butylbenzene	91	19.445	19.443	0.002	98	2786845	4.00	4.21	
107 Undecane	57	19.752	19.752	0.000	93	1439663	4.00	4.02	
108 1,2-Dibromo-3-Chloropropan	157	19.909	19.908	0.001	99	869345	4.00	5.70	
109 1,2,4,5-Tetramethylbenzene	119	20.195	20.195	0.000	98	2722478	4.00	4.44	
110 Dodecane	57	20.804	20.804	0.000	95	1126135	4.00	4.34	
111 1,2,4-Trichlorobenzene	180	21.003	21.002	0.001	94	1222918	4.00	4.35	
112 Naphthalene	128	21.138	21.140	-0.002	99	2843736	4.00	4.13	
113 Hexachlorobutadiene	225	21.349	21.348	0.001	96	1313419	4.00	4.09	
114 1,2,3-Trichlorobenzene	180	21.419	21.418	0.001	94	1041035	4.00	3.75	
115 2-Methylnaphthalene	142	22.184	22.185	-0.001	100	632251	4.00	3.78	
116 1-Methylnaphthalene	142	22.357	22.359	-0.002	99	803566	4.00	4.09	
A 122 C8 Range	1	14.514	(14.458-14.565)		0	5270346	4.00	3.93	
S 123 1,2-Dichloroethene, Total	1				0		8.00	7.89	
S 124 Xylenes, Total	100				0		12.0	12.8	

Reagents:

40L8DQP_00016	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

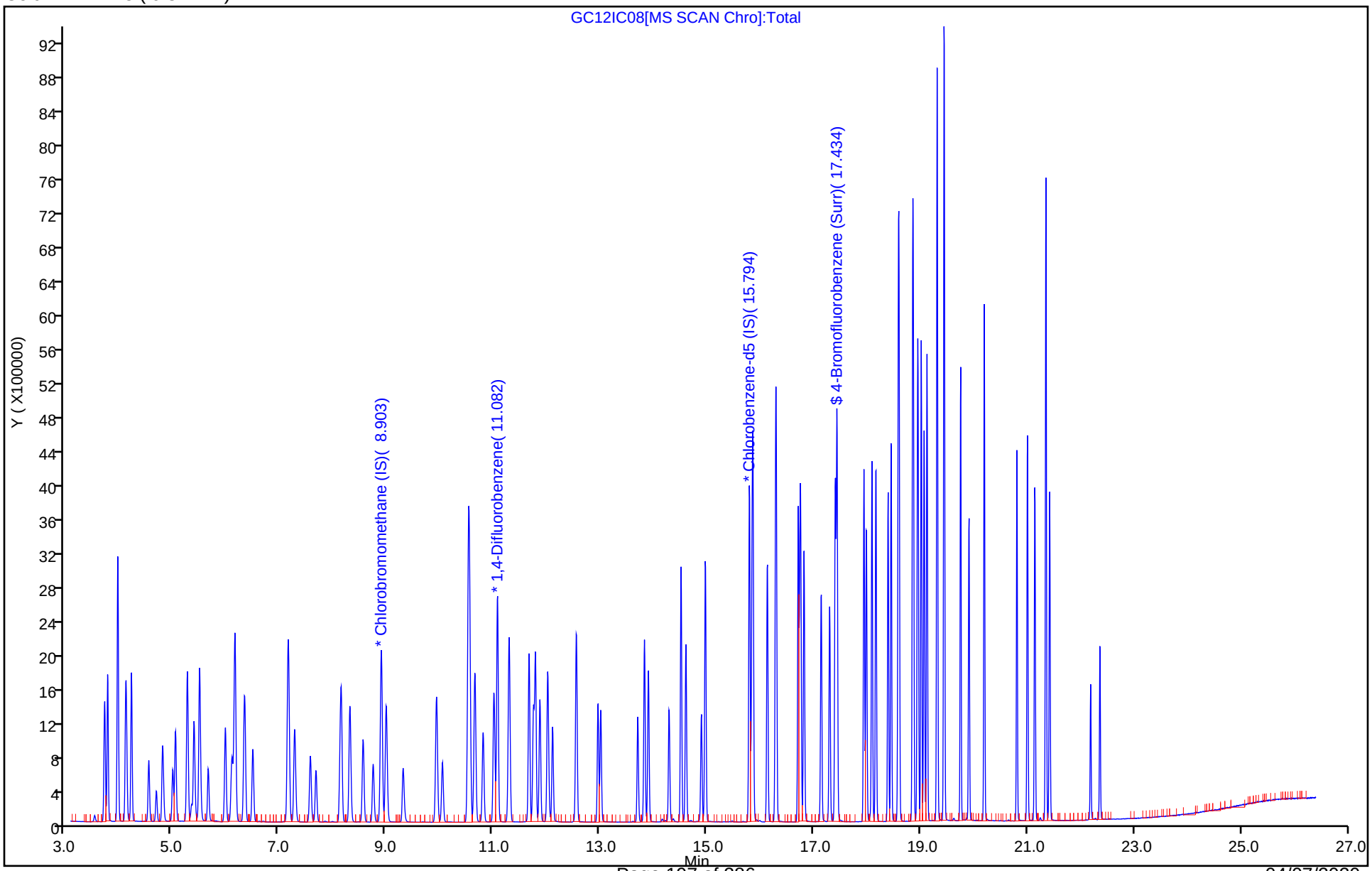
Report Date: 13-Mar-2020 12:05:13 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC08.D

Injection Date:	12-Mar-2020 21:47:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	IC L8			Worklist Smp#:	11
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

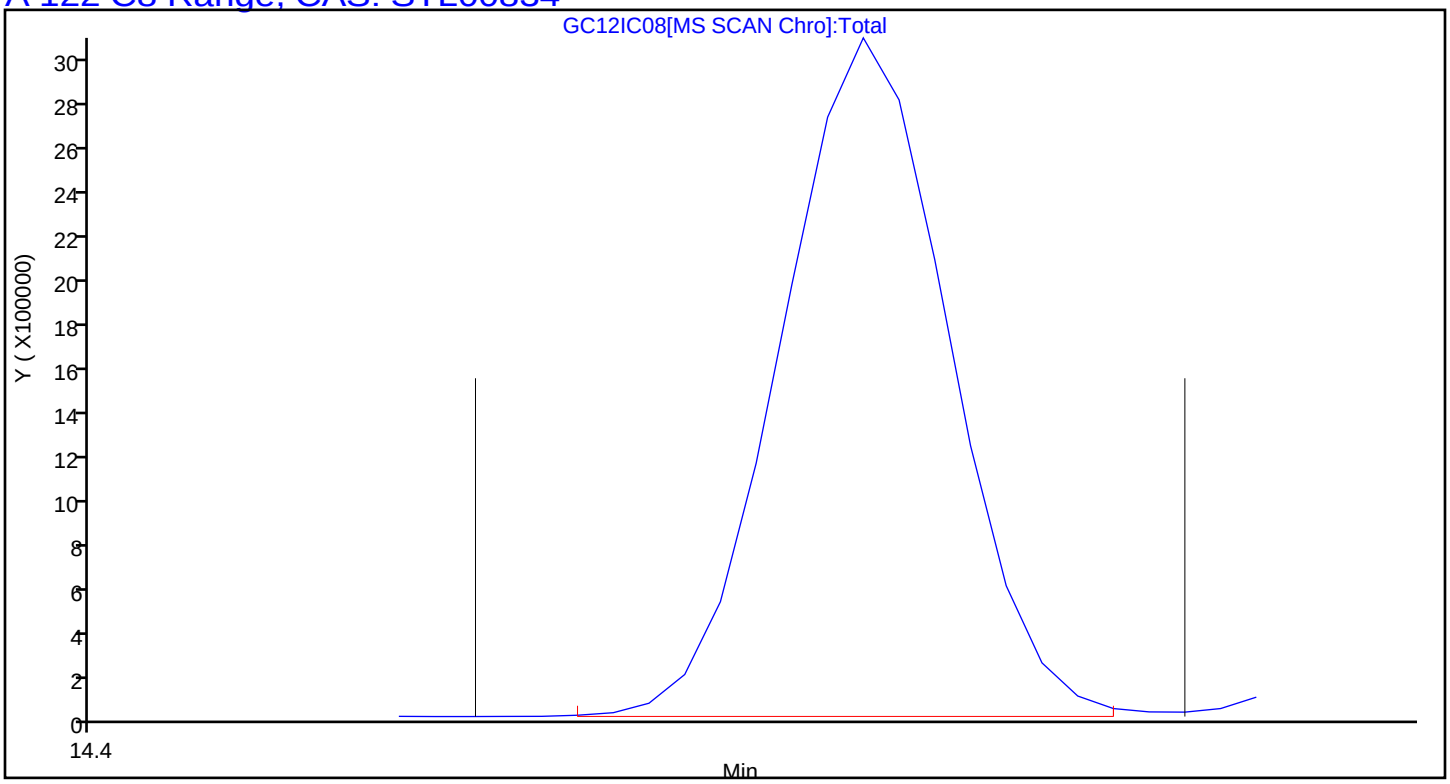


Report Date: 13-Mar-2020 12:05:13 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC08.D				
Injection Date:	12-Mar-2020 21:47:30	Instrument ID:	MG		
Lims ID:	IC L8				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	5	Worklist Smp#:	11
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC09.D
Lims ID: IC L9
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 12-Mar-2020 23:15:30 ALS Bottle#: 5 Worklist Smp#: 13
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014911-013
Misc. Info.: 285130
Operator ID: HMT Instrument ID: MG
Sublist: chrom-MG_TO15*sub17

Method: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 13-Mar-2020 12:05:19 Calib Date: 13-Mar-2020 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: tajh Date: 13-Mar-2020 12:02:37

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	8.903	8.897	0.006	91	382716	4.00	4.00	
* 2 1,4-Difluorobenzene	114	11.081	11.079	0.002	94	2647322	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.794	15.796	-0.002	87	2316343	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.434	17.435	-0.001	89	1684501	4.00	4.07	
6 Chlorodifluoromethane	51	3.715	3.721	-0.006	96	1622147	8.00	7.51	
7 Propene	41	3.726	3.732	-0.006	99	864283	8.00	8.13	
8 Dichlorodifluoromethane	85	3.780	3.782	-0.002	100	3057734	8.00	7.59	
9 Chloromethane	52	3.963	3.966	-0.003	98	259508	8.00	7.03	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.969	3.975	-0.006	90	1992121	8.00	7.43	
11 Acetaldehyde	44	4.120	4.128	-0.008	99	1531225	40.0	33.3	
12 Vinyl chloride	62	4.136	4.141	-0.005	99	983843	8.00	7.01	
14 Butadiene	54	4.222	4.229	-0.007	69	716870	8.00	7.33	
13 Butane	43	4.222	4.229	-0.007	84	1350440	8.00	6.77	
15 Bromomethane	94	4.551	4.554	-0.003	98	982289	8.00	7.22	
16 Chloroethane	64	4.691	4.696	-0.005	98	467042	8.00	6.98	
17 Ethanol	31	4.810	4.830	-0.020	98	1622175	40.0	35.4	
18 Vinyl bromide	106	4.999	5.003	-0.004	98	943419	8.00	7.31	
19 2-Methylbutane	43	5.047	5.054	-0.007	89	876301	8.00	6.86	
20 Trichlorofluoromethane	101	5.274	5.278	-0.004	99	3163690	8.00	7.36	
21 Acrolein	56	5.285	5.293	-0.008	94	122056	8.00	5.75	
22 Acetonitrile	40	5.355	5.359	-0.004	97	258482	8.00	6.87	
23 Acetone	58	5.398	5.416	-0.018	99	912105	24.0	20.2	
24 Pentane	72	5.495	5.499	-0.004	99	162511	8.00	7.29	
25 Isopropyl alcohol	45	5.506	5.541	-0.035	96	2635105	24.0	22.0	
26 Ethyl ether	31	5.662	5.683	-0.021	89	595774	8.00	7.38	
27 1,1-Dichloroethene	96	5.986	5.988	-0.002	98	1010057	8.00	7.67	
28 Acrylonitrile	53	6.093	6.100	-0.007	95	563888	8.00	7.41	
30 2-Methyl-2-propanol	59	6.110	6.169	-0.059	95	1473349	8.00	7.88	
29 1,1,2-Trichloro-1,2,2-trif	101	6.164	6.169	-0.005	97	2274529	8.00	7.52	
31 Methylene Chloride	84	6.336	6.339	-0.003	93	956925	8.00	7.75	

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	6.352	6.354	-0.002	99	831877	8.00	7.36	
33 Carbon disulfide	76	6.498	6.502	-0.004	99	2748027	8.00	7.37	
34 trans-1,2-Dichloroethene	96	7.156	7.151	0.005	99	1050318	8.00	7.66	
35 2-Methylpentane	43	7.172	7.174	-0.002	92	2117823	8.00	7.60	
36 Methyl tert-butyl ether	73	7.280	7.310	-0.030	96	2642807	8.00	8.04	
37 1,1-Dichloroethane	63	7.576	7.576	0.000	100	1855857	8.00	7.50	
38 Vinyl acetate	43	7.684	7.689	-0.005	99	2132656	8.00	8.45	
39 2-Butanone (MEK)	72	8.132	8.150	-0.018	98	432280	8.00	7.58	
40 Hexane	56	8.153	8.157	-0.004	93	753337	8.00	7.48	
41 Isopropyl ether	45	8.315	8.336	-0.021	95	2864307	8.00	7.88	
42 cis-1,2-Dichloroethene	96	8.563	8.564	-0.001	94	1100330	8.00	7.88	
43 Ethyl acetate	43	8.752	8.766	-0.014	99	1797233	8.00	8.27	
44 Chloroform	83	8.914	8.909	0.005	96	2315624	8.00	7.52	
45 Tert-butyl ethyl ether	59	8.995	9.018	-0.023	94	2832889	8.00	8.24	
46 Tetrahydrofuran	42	9.313	9.341	-0.028	91	973904	8.00	7.95	
47 1,1,1-Trichloroethane	97	9.938	9.938	0.000	95	2615755	8.00	7.83	
48 1,2-Dichloroethane	62	10.051	10.048	0.003	99	1547654	8.00	7.88	
51 n-Butanol	31	10.510	10.575	-0.065	78	281368	8.00	8.22	
49 Cyclohexane	69	10.537	10.538	-0.001	77	516835	8.00	7.73	
50 Benzene	78	10.537	10.538	-0.001	96	2888309	8.00	7.38	
52 Carbon tetrachloride	117	10.564	10.561	0.003	98	2798102	8.00	8.68	
53 2,3-Dimethylpentane	71	10.661	10.661	0.000	90	774548	8.00	7.70	
54 Thiophene	84	10.812	10.810	0.002	94	1742789	8.00	7.70	
55 Isooctane	57	11.297	11.298	-0.001	98	4780141	8.00	7.40	
56 n-Heptane	71	11.669	11.672	-0.003	89	1137323	8.00	8.00	
57 1,2-Dichloropropane	63	11.755	11.753	0.002	88	1100520	8.00	7.61	
58 Trichloroethene	130	11.793	11.791	0.002	96	1564593	8.00	8.28	
59 Dibromomethane	93	11.874	11.872	0.002	96	1310834	8.00	7.73	
60 Dichlorobromomethane	83	12.020	12.019	0.001	98	2348413	8.00	8.23	
61 1,4-Dioxane	88	12.036	12.063	-0.027	86	424548	8.00	8.23	
62 Methyl methacrylate	41	12.111	12.119	-0.008	96	1190341	8.00	8.76	
63 Methylcyclohexane	83	12.559	12.557	0.002	95	2059506	8.00	8.00	
64 4-Methyl-2-pentanone (MIBK	43	12.958	12.981	-0.023	97	1975952	8.00	8.37	
65 cis-1,3-Dichloropropene	75	13.017	13.015	0.002	93	1637497	8.00	8.03	
66 trans-1,3-Dichloropropene	75	13.707	13.707	0.000	98	1459394	8.00	8.47	
67 Toluene	91	13.831	13.830	0.001	94	3479280	8.00	8.51	
68 1,1,2-Trichloroethane	83	13.907	13.904	0.003	99	1015886	8.00	8.18	
69 2-Hexanone	58	14.290	14.306	-0.016	95	993335	8.00	9.63	
70 n-Octane	85	14.516	14.518	-0.002	90	1304530	8.00	8.65	
71 Chlorodibromomethane	129	14.608	14.606	0.002	97	2322273	8.00	9.37	
72 Ethylene Dibromide	107	14.899	14.895	0.004	98	1762112	8.00	8.38	
73 Tetrachloroethene	129	14.975	14.971	0.004	97	1362303	8.00	7.98	
75 Chlorobenzene	112	15.843	15.844	-0.001	95	2766330	8.00	8.02	
74 2,3-Dimethylheptane	43	15.864	15.863	0.001	91	3206989	8.00	7.64	
78 Ethylbenzene	91	16.134	16.132	0.002	98	4802212	8.00	8.91	
79 m-Xylene & p-Xylene	91	16.296	16.294	0.002	98	7531318	16.0	17.7	
80 n-Nonane	57	16.711	16.712	-0.001	88	2163919	8.00	8.74	
81 Bromoform	173	16.743	16.743	0.000	97	2178779	8.00	10.0	
82 Styrene	104	16.760	16.757	0.003	98	2805415	8.00	9.24	
83 o-Xylene	91	16.819	16.819	0.000	98	4087762	8.00	8.80	
84 1,1,2,2-Tetrachloroethane	83	17.142	17.139	0.003	99	2403474	8.00	7.62	
85 1,2,3-Trichloropropane	110	17.299	17.299	0.000	97	860834	8.00	8.57	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 Isopropylbenzene	105	17.407	17.405	0.002	96	5512200	8.00	8.72	
87 N-Propylbenzene	120	17.940	17.942	-0.002	99	1523997	8.00	8.92	
88 2-Chlorotoluene	126	17.989	17.989	0.000	97	1448124	8.00	8.54	
89 4-Ethyltoluene	105	18.091	18.091	0.000	98	5437611	8.00	9.46	
90 1,3,5-Trimethylbenzene	120	18.167	18.165	0.002	93	2322862	8.00	8.95	
92 Alpha Methyl Styrene	118	18.393	18.393	0.000	89	2373950	8.00	9.78	
93 n-Decane	57	18.453	18.449	0.004	93	2622500	8.00	8.07	
94 tert-Butylbenzene	119	18.588	18.586	0.002	93	5241953	8.00	9.06	
95 1,2,4-Trimethylbenzene	105	18.598	18.599	-0.001	95	4866329	8.00	8.88	
96 sec-Butylbenzene	105	18.857	18.853	0.004	98	7003902	8.00	9.04	
97 1,3-Dichlorobenzene	146	18.868	18.868	0.000	99	3283736	8.00	9.15	
98 Benzyl chloride	91	18.943	18.942	0.001	99	4144945	8.00	10.7	
99 1,4-Dichlorobenzene	146	18.954	18.954	0.000	94	3191571	8.00	8.95	
100 4-Isopropyltoluene	119	19.014	19.013	0.001	96	5903017	8.00	9.05	
101 1,2,3-Trimethylbenzene	105	19.067	19.068	-0.001	98	4996682	8.00	9.49	
102 Butylcyclohexane	83	19.121	19.121	0.000	96	3775286	8.00	8.16	
103 2,3-Dihydroindene	117	19.310	19.311	-0.001	93	4577579	8.00	9.15	
104 1,2-Dichlorobenzene	146	19.316	19.311	0.005	85	3318051	8.00	9.12	
106 Indene	116	19.440	19.440	0.000	91	4130777	8.00	9.76	
105 n-Butylbenzene	91	19.445	19.443	0.002	97	5550054	8.00	8.59	
107 Undecane	57	19.752	19.752	0.000	93	2790014	8.00	8.00	
108 1,2-Dibromo-3-Chloropropan	157	19.909	19.908	0.001	98	1657535	8.00	11.1	
109 1,2,4,5-Tetramethylbenzene	119	20.194	20.195	-0.001	98	5655528	8.00	9.46	
110 Dodecane	57	20.804	20.804	0.000	94	2186601	8.00	8.66	
111 1,2,4-Trichlorobenzene	180	21.003	21.002	0.001	95	2697436	8.00	9.85	
112 Naphthalene	128	21.138	21.140	-0.002	99	5913476	8.00	8.82	
113 Hexachlorobutadiene	225	21.348	21.348	0.000	96	3013689	8.00	9.63	
114 1,2,3-Trichlorobenzene	180	21.419	21.418	0.001	94	2290176	8.00	8.47	
115 2-Methylnaphthalene	142	22.184	22.185	-0.001	100	1415513	8.00	8.69	
116 1-Methylnaphthalene	142	22.357	22.359	-0.002	100	1718641	8.00	8.97	
A 122 C8 Range	1	14.524	(14.458-14.565)		0	10458348	8.00	7.99	
S 123 1,2-Dichloroethene, Total	1				0		16.0	15.5	
S 124 Xylenes, Total	100				0		24.0	26.5	

Reagents:

40L9DQP_00016	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

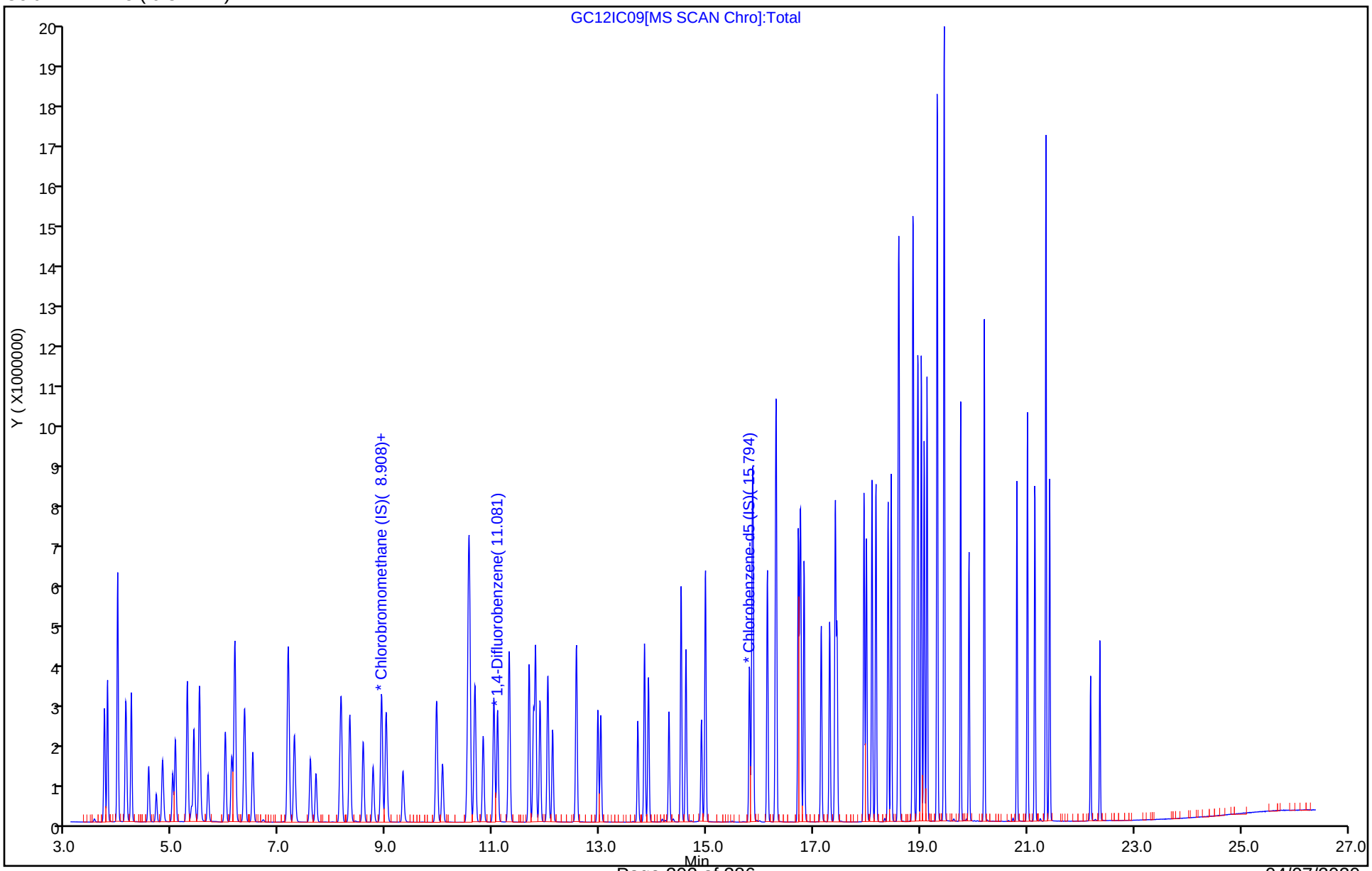
Report Date: 13-Mar-2020 12:05:20 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC09.D

Injection Date:	12-Mar-2020 23:15:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	IC L9			Worklist Smp#:	13
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

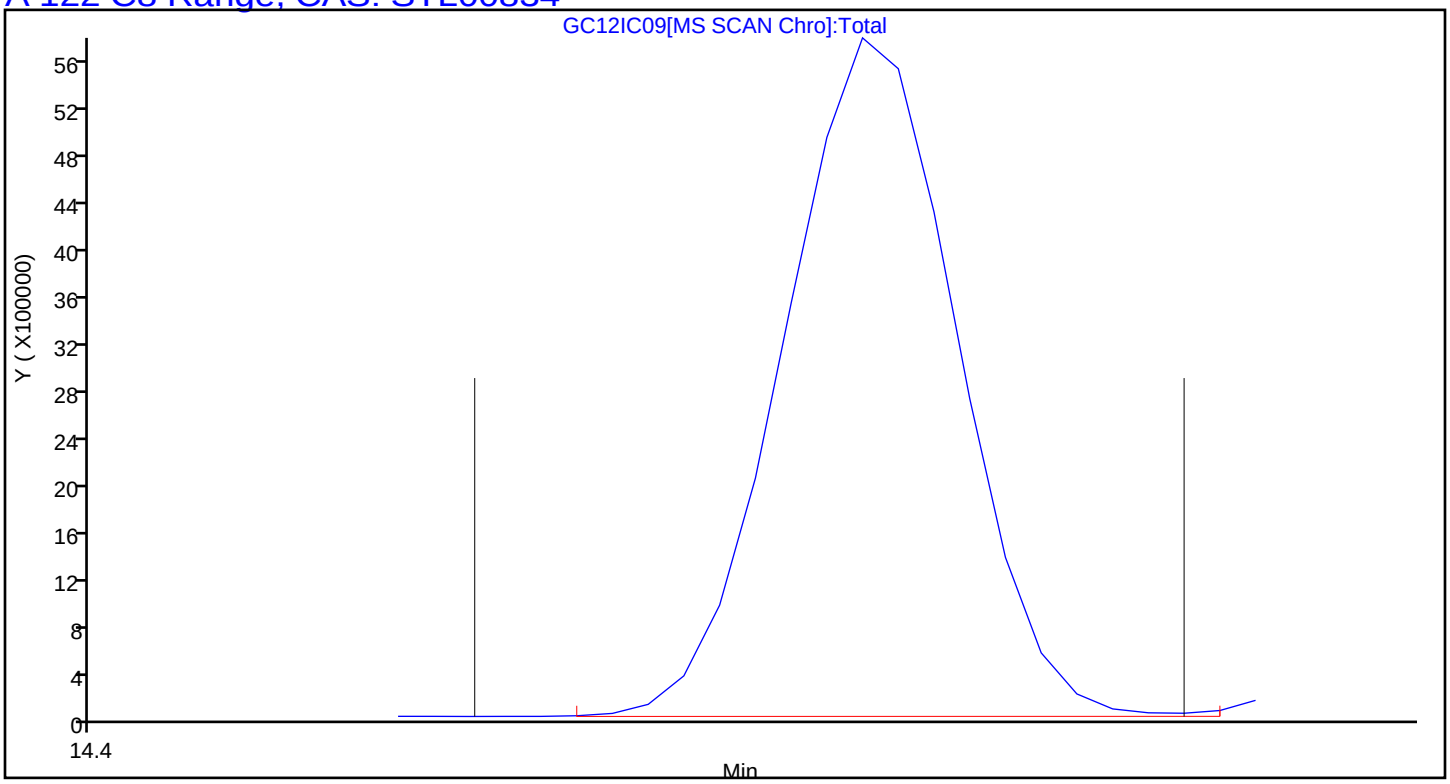


Report Date: 13-Mar-2020 12:05:20 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC09.D				
Injection Date:	12-Mar-2020 23:15:30	Instrument ID:	MG		
Lims ID:	IC L9				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	5	Worklist Smp#:	13
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 C8 Range, CAS: STL00834



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D
Lims ID: IC L10
Client ID:
Sample Type: IC Calib Level: 10
Inject. Date: 13-Mar-2020 00:45:30 ALS Bottle#: 6 Worklist Smp#: 15
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014911-015
Misc. Info.: 285129
Operator ID: HMT Instrument ID: MG
Sublist: chrom-MG_TO15*sub17

Method: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 13-Mar-2020 12:05:27 Calib Date: 13-Mar-2020 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: tajh Date: 13-Mar-2020 07:24:17

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	8.908	8.897	0.011	96	337180	4.00	4.00	
* 2 1,4-Difluorobenzene	114	11.087	11.079	0.008	94	2273441	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.800	15.796	0.004	87	2103823	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.439	17.435	0.004	93	1654186	4.00	4.40	
6 Chlorodifluoromethane	51	3.721	3.721	0.000	96	2981565	16.0	15.7	
7 Propene	41	3.732	3.732	0.000	98	1457450	16.0	16.3	
8 Dichlorodifluoromethane	85	3.780	3.782	-0.002	100	5855869	16.0	16.5	
9 Chloromethane	52	3.964	3.966	-0.002	97	454061	16.0	14.0	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.974	3.975	-0.001	88	3846085	16.0	16.3	
11 Acetaldehyde	44	4.125	4.128	-0.003	97	2552806	80.0	63.0	
12 Vinyl chloride	62	4.141	4.141	0.000	99	1890606	16.0	15.3	
14 Butadiene	54	4.228	4.229	-0.001	69	1427156	16.0	16.6	
13 Butane	43	4.228	4.229	-0.001	84	2707939	16.0	15.4	
15 Bromomethane	94	4.557	4.554	0.003	98	1963761	16.0	16.4	
16 Chloroethane	64	4.697	4.696	0.001	97	964823	16.0	16.4	
17 Ethanol	31	4.826	4.830	-0.004	98	3278818	80.0	81.2	
18 Vinyl bromide	106	5.004	5.003	0.001	98	2026587	16.0	17.8	
19 2-Methylbutane	43	5.053	5.054	-0.001	89	1961675	16.0	17.4	
20 Trichlorofluoromethane	101	5.279	5.278	0.001	99	6591943	16.0	17.4	
21 Acrolein	56	5.290	5.293	-0.003	95	345218	16.0	18.4	
22 Acetonitrile	40	5.360	5.359	0.001	98	532094	16.0	16.0	
23 Acetone	58	5.403	5.416	-0.013	99	1687851	48.0	42.4	
24 Pentane	72	5.500	5.499	0.001	98	343689	16.0	17.5	
25 Isopropyl alcohol	45	5.522	5.541	-0.019	97	5125001	48.0	48.6	
26 Ethyl ether	31	5.668	5.683	-0.015	90	1215781	16.0	17.1	
27 1,1-Dichloroethene	96	5.991	5.988	0.003	97	1949534	16.0	16.8	
28 Acrylonitrile	53	6.104	6.100	0.004	94	1049005	16.0	15.7	
30 2-Methyl-2-propanol	59	6.126	6.169	-0.043	95	2887986	16.0	17.5	
29 1,1,2-Trichloro-1,2,2-trif	101	6.169	6.169	0.000	97	4468755	16.0	16.8	
31 Methylene Chloride	84	6.342	6.339	0.003	93	1728482	16.0	16.7	

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	6.358	6.354	0.004	98	1787076	16.0	18.0	
33 Carbon disulfide	76	6.503	6.502	0.001	99	5293361	16.0	16.1	
34 trans-1,2-Dichloroethene	96	7.156	7.151	0.005	99	1944427	16.0	16.1	
35 2-Methylpentane	43	7.177	7.174	0.003	91	3830800	16.0	15.6	
36 Methyl tert-butyl ether	73	7.280	7.310	-0.030	95	5001600	16.0	17.3	
37 1,1-Dichloroethane	63	7.582	7.576	0.006	100	3633921	16.0	16.7	
38 Vinyl acetate	43	7.690	7.689	0.001	99	4144511	16.0	18.6	
39 2-Butanone (MEK)	72	8.137	8.150	-0.013	97	772560	16.0	15.4	
40 Hexane	56	8.159	8.157	0.002	91	1505071	16.0	17.0	
41 Isopropyl ether	45	8.321	8.336	-0.015	95	5314086	16.0	16.6	
42 cis-1,2-Dichloroethene	96	8.574	8.564	0.010	94	2141547	16.0	17.4	
43 Ethyl acetate	43	8.757	8.766	-0.009	99	3310793	16.0	17.3	
44 Chloroform	83	8.919	8.909	0.010	97	4572149	16.0	16.8	
45 Tert-butyl ethyl ether	59	9.000	9.018	-0.018	95	5238205	16.0	17.3	
46 Tetrahydrofuran	42	9.313	9.341	-0.028	90	1798059	16.0	16.7	
47 1,1,1-Trichloroethane	97	9.944	9.938	0.006	95	5316097	16.0	18.1	
48 1,2-Dichloroethane	62	10.057	10.048	0.009	99	3171176	16.0	18.8	
51 n-Butanol	31	10.521	10.575	-0.054	75	534096	16.0	18.2	
49 Cyclohexane	69	10.542	10.538	0.004	92	1010181	16.0	17.6	
50 Benzene	78	10.548	10.538	0.010	97	5684973	16.0	16.9	
52 Carbon tetrachloride	117	10.569	10.561	0.008	98	6035224	16.0	21.8	
53 2,3-Dimethylpentane	71	10.666	10.661	0.005	89	1499779	16.0	17.4	
54 Thiophene	84	10.817	10.810	0.007	94	3511393	16.0	18.1	
55 Isooctane	57	11.303	11.298	0.005	98	9168334	16.0	16.5	
56 n-Heptane	71	11.680	11.672	0.008	88	2228048	16.0	18.3	
57 1,2-Dichloropropane	63	11.761	11.753	0.008	86	2038936	16.0	16.4	
58 Trichloroethene	130	11.799	11.791	0.008	96	2919703	16.0	18.0	
59 Dibromomethane	93	11.880	11.872	0.008	96	2555273	16.0	17.5	
60 Dichlorobromomethane	83	12.025	12.019	0.006	98	4750351	16.0	19.4	
61 1,4-Dioxane	88	12.041	12.063	-0.022	86	736114	16.0	16.6	
62 Methyl methacrylate	41	12.117	12.119	-0.002	95	2244189	16.0	19.2	
63 Methylcyclohexane	83	12.564	12.557	0.007	94	4027755	16.0	18.2	
64 4-Methyl-2-pentanone (MIBK	43	12.963	12.981	-0.018	96	3611861	16.0	17.8	
65 cis-1,3-Dichloropropene	75	13.017	13.015	0.002	94	3375376	16.0	19.3	
66 trans-1,3-Dichloropropene	75	13.713	13.707	0.006	98	2972631	16.0	19.0	
67 Toluene	91	13.837	13.830	0.007	94	6693032	16.0	18.0	
68 1,1,2-Trichloroethane	83	13.907	13.904	0.003	99	1922886	16.0	17.1	
69 2-Hexanone	58	14.295	14.306	-0.011	95	1849823	16.0	19.7	
70 n-Octane	85	14.522	14.518	0.004	89	2573468	16.0	18.8	
71 Chlorodibromomethane	129	14.613	14.606	0.007	97	5097604	16.0	22.7	
72 Ethylene Dibromide	107	14.899	14.895	0.004	98	3518467	16.0	18.4	
73 Tetrachloroethene	129	14.975	14.971	0.004	97	2825788	16.0	18.2	
75 Chlorobenzene	112	15.848	15.844	0.004	95	5557357	16.0	17.7	
74 2,3-Dimethylheptane	43	15.865	15.863	0.001	88	5933066	16.0	15.6	
78 Ethylbenzene	91	16.134	16.132	0.002	98	9287894	16.0	19.0	
79 m-Xylene & p-Xylene	91	16.296	16.294	0.002	97	14722136	32.0	38.2	
80 n-Nonane	57	16.716	16.712	0.004	86	4074034	16.0	18.1	
81 Bromoform	173	16.749	16.743	0.006	97	5592077	16.0	28.2	
82 Styrene	104	16.760	16.757	0.003	97	5757651	16.0	20.9	
83 o-Xylene	91	16.824	16.819	0.005	99	7929696	16.0	18.8	
84 1,1,2,2-Tetrachloroethane	83	17.142	17.139	0.003	99	4752301	16.0	16.6	
85 1,2,3-Trichloropropane	110	17.304	17.299	0.005	97	1626306	16.0	17.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 Isopropylbenzene	105	17.407	17.405	0.002	96	10496939	16.0	18.3	
87 N-Propylbenzene	120	17.946	17.942	0.004	99	3018035	16.0	19.4	
88 2-Chlorotoluene	126	17.989	17.989	0.000	96	2915756	16.0	18.9	
89 4-Ethyltoluene	105	18.097	18.091	0.006	98	10502361	16.0	20.1	
90 1,3,5-Trimethylbenzene	120	18.172	18.165	0.007	94	4635654	16.0	19.7	
92 Alpha Methyl Styrene	118	18.399	18.393	0.006	90	4702835	16.0	21.3	
93 n-Decane	57	18.453	18.449	0.004	93	4856032	16.0	16.5	
94 tert-Butylbenzene	119	18.593	18.586	0.007	94	10430777	16.0	19.8	
95 1,2,4-Trimethylbenzene	105	18.604	18.599	0.005	94	9518278	16.0	19.1	
96 sec-Butylbenzene	105	18.857	18.853	0.004	97	13185861	16.0	18.7	e
97 1,3-Dichlorobenzene	146	18.873	18.868	0.005	98	6939409	16.0	21.3	
98 Benzyl chloride	91	18.949	18.942	0.007	99	8002020	16.0	22.8	
99 1,4-Dichlorobenzene	146	18.960	18.954	0.006	95	6770484	16.0	20.9	
100 4-Isopropyltoluene	119	19.019	19.013	0.006	96	11454394	16.0	19.3	
101 1,2,3-Trimethylbenzene	105	19.073	19.068	0.005	98	9373170	16.0	19.6	
102 Butylcyclohexane	83	19.127	19.121	0.006	97	7163147	16.0	17.0	
103 2,3-Dihydroindene	117	19.316	19.311	0.005	94	9321424	16.0	20.5	
104 1,2-Dichlorobenzene	146	19.316	19.311	0.005	86	7087196	16.0	21.5	
106 Indene	116	19.445	19.440	0.005	92	8381836	16.0	21.8	
105 n-Butylbenzene	91	19.445	19.443	0.002	96	10439037	16.0	17.8	
107 Undecane	57	19.752	19.752	0.000	92	5018209	16.0	15.8	
108 1,2-Dibromo-3-Chloropropan	157	19.909	19.908	0.001	96	3691491	16.0	27.3	
109 1,2,4,5-Tetramethylbenzene	119	20.195	20.195	0.000	98	10806761	16.0	19.9	
110 Dodecane	57	20.804	20.804	0.000	94	4161807	16.0	18.1	
111 1,2,4-Trichlorobenzene	180	21.003	21.002	0.001	94	5827479	16.0	23.4	
112 Naphthalene	128	21.144	21.140	0.004	99	11799571	16.0	19.4	
113 Hexachlorobutadiene	225	21.349	21.348	0.001	93	6562101	16.0	23.1	
114 1,2,3-Trichlorobenzene	180	21.419	21.418	0.001	94	4983684	16.0	20.3	
115 2-Methylnaphthalene	142	22.184	22.185	-0.001	100	3725983	16.0	25.2	
116 1-Methylnaphthalene	142	22.362	22.359	0.003	100	4444649	16.0	25.5	
A 122 C8 Range	1	14.527	(14.463-14.570)		0	20424389	16.0	17.2	
S 123 1,2-Dichloroethene, Total	1				0		32.0	33.5	
S 124 Xylenes, Total	100				0		48.0	57.0	

QC Flag Legend

Processing Flags

e - Potential Peak Saturated

Reagents:

40L10DQP_00016	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

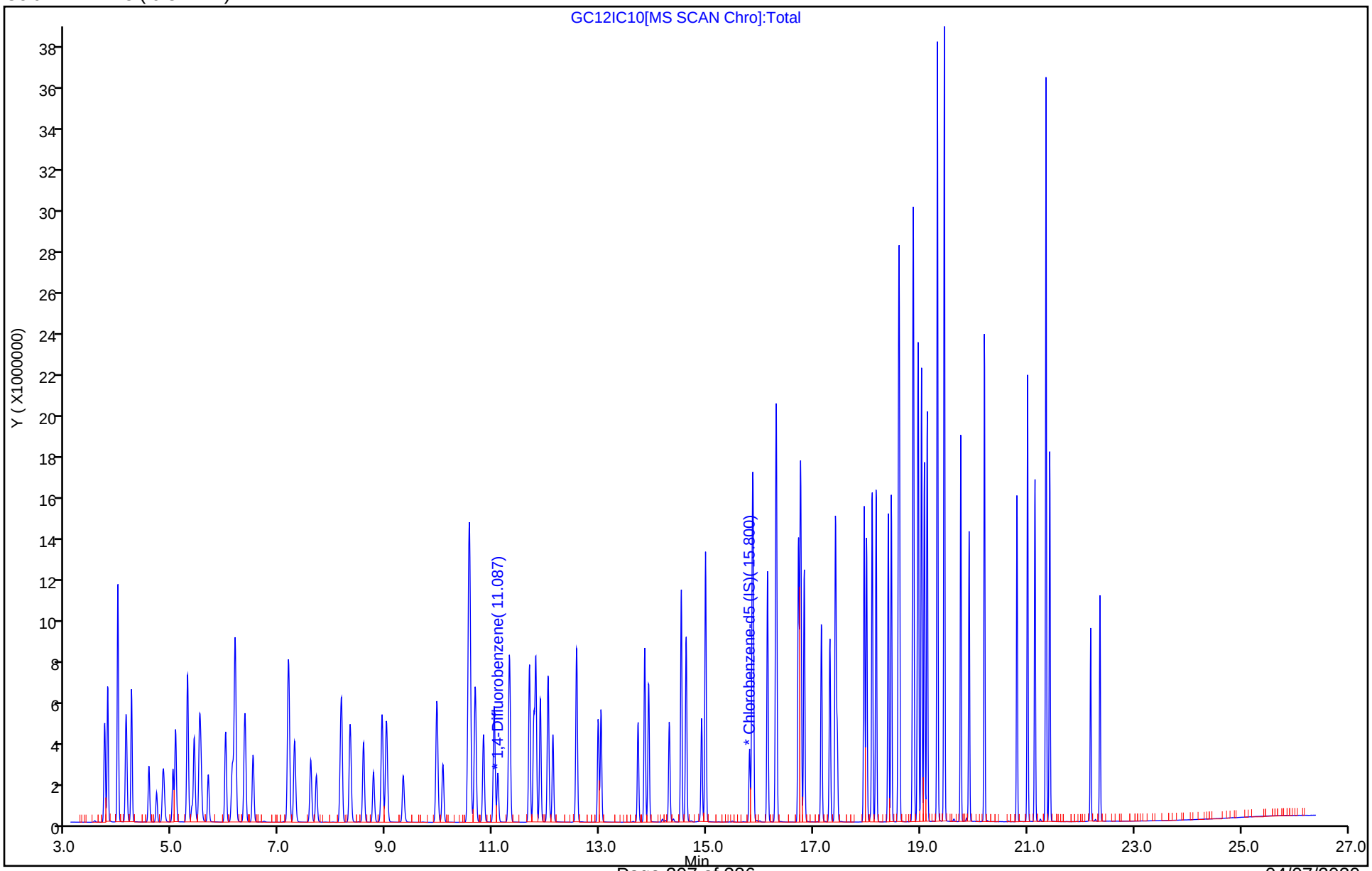
Report Date: 13-Mar-2020 12:05:29 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D

Injection Date:	13-Mar-2020 00:45:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	IC L10			Worklist Smp#:	15
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)

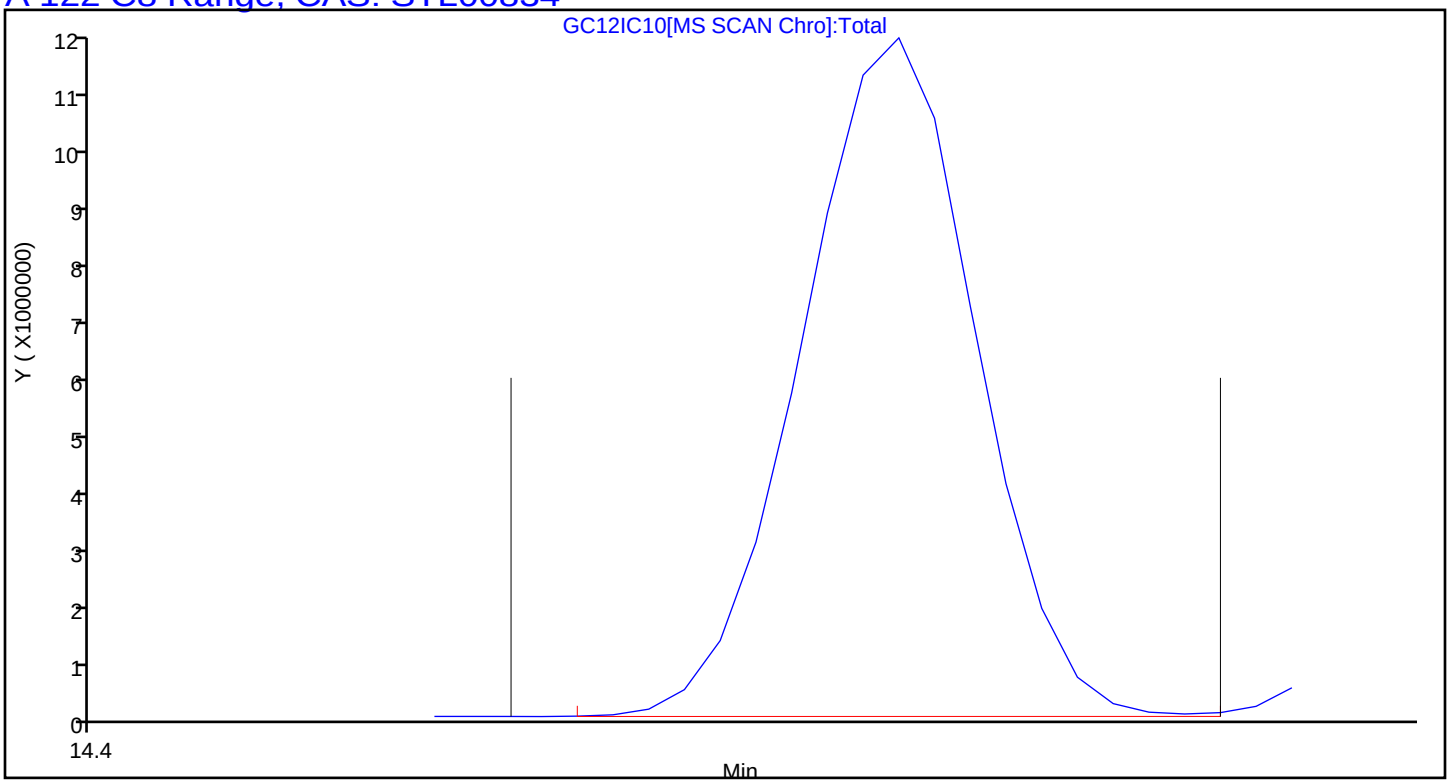


Report Date: 13-Mar-2020 12:05:29 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D				
Injection Date:	13-Mar-2020 00:45:30	Instrument ID:	MG		
Lims ID:	IC L10				
Client ID:					
Operator ID:	HMT	ALS Bottle#:	6	Worklist Smp#:	15
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

A 122 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.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-38415/3	HC18IC01A.D
Level 2	IC 140-38415/4	HC18IC02A.D
Level 3	IC 140-38415/5	HC18IC03.D
Level 4	IC 140-38415/6	HC18IC04.D
Level 5	IC 140-38415/7	HC18IC05.D
Level 6	IC 140-38415/8	HC18IC06.D
Level 7	ICIS 140-38415/9	HC18IC07.D
Level 8	IC 140-38415/11	HC18IC08.D
Level 9	IC 140-38415/13	HC18IC09.D
Level 10	IC 140-38415/15	HC18IC10.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Chlorodifluoromethane	3.8929 3.4069	3.7352 3.4255	3.2756 3.4043	3.3297 3.4059	3.3434 3.5164	Ave		3.4736				5.6		30.0			
Propene	+++++ 2.2763	+++++ 1.8565	+++++ 1.6514	+++++ 1.5054	+++++ 1.4668	Lin1	0.8816	1.4097							1.0000		0.9900
Dichlorodifluoromethane	5.9423 5.0823	5.2051 5.1288	4.8785 5.0049	4.8131 5.1328	4.9697 5.0977	Ave		5.1255				6.1		30.0			
Chloromethane	+++++ 0.4585	+++++ 0.4457	0.5505 0.4474	0.5458 0.4047	0.4836 0.4305	Ave		0.4708				11.2		30.0			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	+++++ 2.9242	+++++ 2.9671	3.0642 2.9482	2.9308 2.7811	2.9609 2.8908	Ave		2.9334				2.7		30.0			
Vinyl chloride	1.9501 1.6805	1.7036 1.6705	1.6108 1.6595	1.6486 1.5299	1.6645 1.4007	Ave		1.6519				8.4		30.0			
1,3-Butadiene	+++++ 1.2741	+++++ 1.2622	1.2979 1.2514	1.2381 1.1386	1.2503 1.0082	Ave		1.2151				7.9		30.0			
Butane	+++++ 2.1900	+++++ 2.1682	2.2773 2.1242	2.1581 1.8972	2.1729 1.6290	Ave		2.0771				10.2		30.0			
Bromomethane	+++++ 1.7408	+++++ 1.7467	1.7269 1.7634	1.6937 1.6628	1.7331 1.7250	Ave		1.7240				1.8		30.0			
Chloroethane	+++++ 0.7633	+++++ 0.7629	0.8383 0.7739	0.8011 0.7220	0.7676 0.7605	Ave		0.7737				4.4		30.0			
Ethanol	+++++ 0.5768	+++++ 0.6128	+++++ 0.6064	0.6213 0.5334	0.6066 0.5140	Ave		0.5816				7.3		30.0			
Vinyl bromide	+++++ 1.6446	+++++ 1.6548	1.6862 1.6547	1.5922 1.5772	1.6215 1.6096	Ave		1.6301				2.2		30.0			
2-Methylbutane	+++++ 1.7872	+++++ 1.7549	+++++ 1.7452	1.9412 1.5973	1.8510 1.5509	Ave		1.7468				7.8		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Trichlorofluoromethane	5.5255 5.1176	5.1360 5.0971	5.0966 5.0066	4.9230 4.8914	4.9971 4.8464	Ave		5.0637				3.8		30.0			
Acrolein	+++++ 0.5963	+++++ 0.5721	+++++ 0.6340	0.5100 +++++	0.6493 +++++	Lin2	-0.015	0.6238							0.9940		0.9900
Acetonitrile	+++++ 0.8416	+++++ 0.8397	+++++ 0.8331	0.7694 0.7929	0.7358 0.7692	Ave		0.7974				5.2		30.0			
Acetone	+++++ 1.0650	+++++ 0.9545	+++++ 0.8874	+++++ 0.8339	1.2440 0.7931	Ave		0.9630				17.4		30.0			
Pentane	+++++ 0.2636	+++++ 0.2576	+++++ 0.2458	0.2613 0.2350	0.2540 0.2245	Ave		0.2488				5.8		30.0			
Isopropyl alcohol	3.3651 2.5334	2.9110 2.6738	2.7724 2.5114	2.5287 2.3126	2.5134 2.0430	Ave		2.6165				13.6		30.0			
Ethyl ether	+++++ 1.9604	+++++ 1.9027	1.8980 1.8299	1.8325 1.7267	1.8664 1.6449	Ave		1.8327				5.6		30.0			
1,1-Dichloroethene	2.2974 1.8974	2.0650 1.8846	1.9452 1.8350	1.8033 1.8013	1.8775 1.8258	Ave		1.9232				8.0		30.0			
tert-Butyl alcohol	+++++ 3.0263	+++++ 3.2063	3.2510 3.1003	2.9843 3.0691	2.8681 2.9780	Ave		3.0604				4.1		30.0			
Acrylonitrile	+++++ 1.4936	+++++ 1.5137	+++++ 1.4656	1.3768 1.4021	1.4602 1.3800	Ave		1.4417				3.8		30.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	4.4915 4.1684	4.2762 4.1028	4.1195 3.9639	4.0171 3.7872	4.0800 3.6749	Ave		4.0681				5.7		30.0			
Methylene Chloride	+++++ 2.6477	+++++ 2.1651	+++++ 1.8777	+++++ 1.7143	3.9401 1.6452	Lin2	0.9349	1.6403							0.9980		0.9900
3-Chloropropene	+++++ 1.6292	+++++ 1.5880	1.7399 1.4971	1.6991 1.3531	1.5403 1.3343	Ave		1.5476				9.6		30.0			
Carbon disulfide	+++++ 5.6923	+++++ 5.6573	5.5751 5.4469	5.5267 5.3317	5.5508 5.3346	Ave		5.5144				2.4		30.0			
trans-1,2-Dichloroethene	+++++ 1.9083	1.9330 1.8851	1.9057 1.8585	1.8097 1.8157	1.8723 1.8001	Ave		1.8654				2.6		30.0			
2-Methylpentane	+++++ 4.2182	+++++ 4.1536	4.2010 3.9512	4.0695 3.7254	4.1855 3.4566	Ave		3.9951				6.8		30.0			
Methyl tert-butyl ether	+++++ 4.6265	+++++ 4.6262	4.6128 4.4980	4.3633 4.4149	4.4873 4.4424	Ave		4.5089				2.3		30.0			
1,1-Dichloroethane	4.1861 3.6446	3.8203 3.6053	3.5840 3.4996	3.5185 3.4230	3.5814 3.4384	Ave		3.6301				6.2		30.0			
Vinyl acetate	5.3906 5.2869	5.1316 5.3453	4.7417 5.2423	4.6228 5.0537	5.0371 5.0886	Ave		5.0941				4.9		30.0			
2-Butanone	+++++ 0.9305	+++++ 0.9179	+++++ 0.8743	1.0970 0.8661	0.9516 0.8602	Ave		0.9282				8.9		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.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

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	+++++ 1.5231	+++++ 1.5041	1.6364 1.4427	1.5033 1.3954	1.4977 1.3595	Ave		1.4828				5.7		30.0			
cis-1,2-Dichloroethene	+++++ 1.9872	2.0737 1.9997	2.0149 1.9321	1.9530 1.9118	1.9918 1.9399	Ave		1.9782				2.5		30.0			
Ethyl acetate	4.6280 4.4539	4.1904 4.4787	4.1991 4.3421	4.1742 4.2187	4.2076 4.1662	Ave		4.3059				3.8		30.0			
Chloroform	4.9915 4.2802	4.6010 4.2724	4.3711 4.1117	4.1478 4.0485	4.2159 4.0431	Ave		4.3083				6.8		30.0			
Tetrahydrofuran	+++++ 2.0789	1.9624 2.0983	2.0724 2.0234	1.9925 1.9825	2.0201 1.9747	Ave		2.0228				2.5		30.0			
1,1,1-Trichloroethane	+++++ 4.0932	4.3243 4.1168	4.1567 4.0195	3.9584 3.9941	4.0105 4.0674	Ave		4.0823				2.7		30.0			
1,2-Dichloroethane	0.4604 0.4075	0.3969 0.4126	0.4004 0.4035	0.3843 0.4009	0.3948 0.4037	Ave		0.4065				5.0		30.0			
1-Butanol	+++++ 0.0968	+++++ 0.1084	+++++ 0.1073	+++++ 0.1077	0.0955 0.1017	Ave		0.1029				5.6		30.0			
Cyclohexane	+++++ 0.1304	+++++ 0.1298	+++++ 0.1237	0.1356 0.1207	0.1266 0.1151	Ave		0.1260				5.4		30.0			
Benzene	0.9709 0.8484	0.9329 0.8462	0.8598 0.8175	0.8317 0.7968	0.8217 0.7459	Ave		0.8472				7.6		30.0			
Carbon tetrachloride	0.5812 0.6068	0.5287 0.6173	0.5236 0.5832	0.5731 0.5709	0.4868 0.5807	Ave		0.5652				7.1		30.0			
2,3-Dimethylpentane	+++++ 0.1833	+++++ 0.1814	0.2017 0.1760	0.1751 0.1707	0.1830 0.1687	Ave		0.1800				5.7		30.0			
Thiophene	+++++ 0.5004	0.5264 0.5048	0.4897 0.4884	0.4765 0.4854	0.4912 0.4896	Ave		0.4947				2.9		30.0			
2,2,4-Trimethylpentane	+++++ 1.4043	1.4290 1.3946	1.4145 1.3474	1.3439 1.3192	1.3641 1.2827	Ave		1.3666				3.5		30.0			
Heptane	+++++ 0.2762	+++++ 0.2754	0.2902 0.2662	0.2642 0.2654	0.2682 0.2668	Ave		0.2716				3.2		30.0			
1,2-Dichloropropane	+++++ 0.3476	0.3589 0.3449	0.3542 0.3374	0.3341 0.3317	0.3372 0.3264	Ave		0.3414				3.2		30.0			
Trichloroethene	0.3893 0.3508	0.3560 0.3527	0.3561 0.3440	0.3291 0.3790	0.3398 0.3375	Ave		0.3534				5.2		30.0			
Dibromomethane	+++++ 0.3902	+++++ 0.3932	0.4041 0.3822	0.3806 0.3819	0.3839 0.3678	Ave		0.3855				2.8		30.0			
Bromodichloromethane	0.7005 0.6533	0.6449 0.6625	0.6269 0.6465	0.6118 0.6350	0.6202 0.6356	Ave		0.6437				3.9		30.0			
1,4-Dioxane	+++++ 0.1237	+++++ 0.1336	0.1235 0.1279	0.1217 0.1229	0.1222 0.1165	Ave		0.1240				4.0		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

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	0.3690 0.3699	0.3849 0.3767	0.3584 0.3640	0.3426 0.3560	0.3537 0.3464	Ave		0.3621				3.7		30.0			
Methylcyclohexane	0.5985 0.4955	0.5239 0.4977	0.5150 +++++	0.4866 +++++	0.4898 +++++	Ave		0.5153				7.6		30.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.7108	+++++ 0.7193	0.7540 0.7038	0.6607 0.6916	0.6643 0.6730	Ave		0.6972				4.5		30.0			
cis-1,3-Dichloropropene	0.5108 0.4956	0.4549 0.5025	0.4619 0.4971	0.4414 0.5001	0.4681 0.5009	Ave		0.4833				5.0		30.0			
trans-1,3-Dichloropropene	0.5332 0.5352	0.4974 0.5572	0.4946 0.5497	0.4733 0.5472	0.4956 0.5498	Ave		0.5233				5.7		30.0			
Toluene	+++++ 1.2044	1.3092 1.2059	1.2583 1.1422	1.1769 1.1181	1.1754 1.0738	Ave		1.1849				6.0		30.0			
1,1,2-Trichloroethane	+++++ 0.4027	0.4254 0.4064	0.4152 0.3834	0.3923 0.3731	0.3982 0.3548	Ave		0.3946				5.5		30.0			
2-Hexanone	+++++ 0.4131	+++++ 0.4329	0.4333 0.4142	0.3717 0.4158	0.3791 0.4070	Ave		0.4084				5.5		30.0			
Octane	+++++ 0.3569	+++++ 0.3602	0.3720 0.3395	0.3385 0.3324	0.3466 0.3188	Ave		0.3456				4.9		30.0			
C8 Range	+++++ 2.7802	+++++ 2.7773	+++++ 2.6831	2.9834 2.5885	2.7800 2.4347	Ave		2.7182				6.4		30.0			
Dibromochloromethane	0.7640 0.7555	0.6743 0.7852	0.6901 0.7532	0.6645 0.7203	0.6904 0.7247	Ave		0.7222				5.7		30.0			
1,2-Dibromoethane (EDB)	0.7583 0.7113	0.6993 0.7216	0.6784 0.6927	0.6540 0.6844	0.6846 0.6588	Ave		0.6943				4.4		30.0			
Tetrachloroethene	0.4888 0.4239	0.4394 0.4233	0.4369 0.4047	0.4175 0.3946	0.4223 0.3738	Ave		0.4225				7.2		30.0			
Chlorobenzene	1.0256 0.8998	0.9553 0.9063	0.9178 0.8729	0.8703 0.8604	0.8776 0.8186	Ave		0.9005				6.4		30.0			
Ethylbenzene	+++++ 1.5591	1.6359 1.5625	1.5640 1.4860	1.4926 1.4474	1.5154 1.3640	Ave		1.5141				5.2		30.0			
m-Xylene & p-Xylene	+++++ 1.1984	1.2792 1.2017	1.2435 1.1283	1.1552 1.0635	1.1748 0.9315	Ave		1.1529				9.0		30.0			
Nonane	+++++ 0.8060	0.8762 0.8074	0.8524 0.7596	0.7833 0.7108	0.7840 0.5973	Ave		0.7752				10.6		30.0			
Bromoform	+++++ 0.7670	+++++ 0.8168	0.6205 0.7815	0.6048 0.6688	0.6451 +++++	Lin2	-0.013	0.7424							0.9900		0.9900
Styrene	0.9207 0.8517	0.8402 0.8516	0.8378 0.8085	0.7638 0.7732	0.8187 0.6812	Ave		0.8148				7.9		30.0			
o-Xylene	+++++ 1.2312	1.3535 1.2163	1.2920 1.1417	1.2088 1.0869	1.2178 1.0124	Ave		1.1956				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.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

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	+++++ 1.0285	1.0855 1.0400	1.0736 0.9911	0.9576 0.8562	1.0001 0.9058	Ave		0.9932				7.6		30.0			
1,2,3-Trichloropropane	+++++ 0.2333	0.2463 0.2345	0.2443 0.2238	0.2219 0.2206	0.2232 0.2177	Ave		0.2295				4.6		30.0			
Isopropylbenzene	+++++ 1.6000	1.7544 1.5956	1.7417 1.5064	1.5705 1.4625	1.5614 1.3814	Ave		1.5749				7.6		30.0			
Propylbenzene	+++++ 0.4320	0.4490 0.4408	0.4475 0.4243	0.4020 0.4266	0.4147 0.4187	Ave		0.4284				3.6		30.0			
2-Chlorotoluene	0.4664 0.4065	0.4316 0.4102	0.4228 0.3908	0.3904 0.3836	0.3882 0.3684	Ave		0.4059				7.0		30.0			
4-Ethyltoluene	1.8085 1.6391	1.7268 1.6568	1.6850 1.5731	1.5456 1.5359	1.5654 1.4558	Ave		1.6192				6.4		30.0			
1,3,5-Trimethylbenzene	0.7249 0.6291	0.6668 0.6412	0.6831 0.6115	0.6019 0.6009	0.6139 +++++	Ave		0.6415				6.6		30.0			
Alpha Methyl Styrene	0.6884 0.6407	0.6477 0.6688	0.6543 0.6597	0.5431 0.6708	0.6049 0.6546	Ave		0.6433				6.5		30.0			
Decane	+++++ 1.0540	+++++ 1.0540	1.1892 0.9849	0.9826 0.9232	1.0070 0.7896	Ave		0.9981				11.5		30.0			
tert-Butylbenzene	+++++ 1.3655	+++++ 1.3924	1.5457 1.3177	1.3250 1.2696	1.3246 1.1407	Ave		1.3352				8.5		30.0			
1,2,4-Trimethylbenzene	+++++ 1.3622	1.5497 1.3791	1.5114 1.2916	1.3220 1.2257	1.3214 1.0768	Ave		1.3378				10.6		30.0			
sec-Butylbenzene	+++++ 1.9832	+++++ 2.0236	2.2218 1.9004	1.9337 1.8220	1.9271 1.5715	Ave		1.9229				9.6		30.0			
1,3-Dichlorobenzene	+++++ 0.8521	0.9471 0.8765	0.9313 0.8439	0.8134 0.8212	0.8067 0.7282	Ave		0.8467				7.9		30.0			
Benzyl chloride	+++++ 0.9395	+++++ 1.0602	+++++ 1.1178	0.6813 1.1258	0.8178 1.0382	Ave		0.9687				17.2		30.0			
1,4-Dichlorobenzene	0.9102 0.8196	0.9087 0.8511	0.9046 0.8180	0.7668 0.8098	0.7856 0.7445	Ave		0.8319				7.2		30.0			
4-Isopropyltoluene	+++++ 1.5425	+++++ 1.5636	1.7442 1.4834	1.4738 1.4404	1.5133 1.3344	Ave		1.5119				7.8		30.0			
1,2,3-Trimethylbenzene	+++++ 1.3771	+++++ 1.3844	1.5344 1.3018	1.3395 1.2573	1.3586 1.1877	Ave		1.3426				7.6		30.0			
Indane	+++++ 1.2420	+++++ 1.2760	1.3931 1.1995	1.2091 1.1503	1.2007 0.9741	Ave		1.2056				9.8		30.0			
1,2-Dichlorobenzene	+++++ 0.8407	1.0111 0.8554	0.9739 0.8190	0.8073 0.7947	0.8071 0.6985	Ave		0.8453				11.2		30.0			
Indene	1.1482 1.0521	1.1606 1.1166	1.1464 1.0683	0.9568 1.0331	1.0068 0.8926	Ave		1.0581				8.4		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

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	+++++ 1.6539	+++++ 1.6937	1.9373 1.5742	1.5792 1.4548	1.5917 1.1932	Ave		1.5847				13.3		30.0			
Undecane	+++++ 1.1348	+++++ 1.1716	+++++ 1.1082	1.0359 1.0470	1.0776 0.8790	Ave		1.0649				8.9		30.0			
1,2-Dibromo-3-Chloropropane	0.4661 0.4609	0.4531 0.5052	0.4743 0.4939	0.3628 0.4554	0.4000 0.5265	Ave		0.4598				10.5		30.0			
1,2,4,5-Tetramethylbenzene	+++++ 1.4252	+++++ 1.5009	1.9164 1.4329	1.3424 1.4530	1.3472 1.3650	Ave		1.4729				12.7		30.0			
Dodecane	+++++ 1.0013	+++++ 1.1287	+++++ 1.0837	0.8524 1.0870	0.9040 0.9003	Ave		0.9939				11.0		30.0			
1,2,4-Trichlorobenzene	0.6675 0.5863	0.7476 0.6620	0.8270 0.6635	0.4863 0.7207	0.5034 0.7286	Ave		0.6593				16.3		30.0			
Naphthalene	1.9172 1.2818	2.0854 1.4412	2.2472 1.3955	1.2164 1.4729	1.1522 1.5255	Ave		1.5735				24.0		30.0			
Hexachlorobutadiene	+++++ 0.7413	+++++ 0.7795	1.4088 0.7339	0.7518 0.7102	0.7237 0.6145	Lin1	0.0513	0.6593							0.9920		0.9900
1,2,3-Trichlorobenzene	+++++ 0.6061	+++++ 0.6531	1.1197 0.6217	0.5671 0.6318	0.5465 0.6108	Lin1	0.0187	0.6155							0.9980		0.9900
2-Methylnaphthalene	+++++ 0.2003	+++++ 0.2669	+++++ 0.2900	+++++ 0.3181	0.1325 0.3084	Ave		0.2527				28.6		50.0			
1-Methylnaphthalene	+++++ 0.3301	+++++ 0.3961	+++++ 0.3989	+++++ 0.4074	0.2403 0.3703	Ave		0.3572				17.9		50.0			
4-Bromofluorobenzene (Surr)	0.6848 0.6931	0.6905 0.6828	0.6908 0.6688	0.6953 0.6545	0.6956 0.6245	Ave		0.6781				3.4		30.0			

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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-38415/3	HC18IC01A.D
Level 2	IC 140-38415/4	HC18IC02A.D
Level 3	IC 140-38415/5	HC18IC03.D
Level 4	IC 140-38415/6	HC18IC04.D
Level 5	IC 140-38415/7	HC18IC05.D
Level 6	IC 140-38415/8	HC18IC06.D
Level 7	ICIS 140-38415/9	HC18IC07.D
Level 8	IC 140-38415/11	HC18IC08.D
Level 9	IC 140-38415/13	HC18IC09.D
Level 10	IC 140-38415/15	HC18IC10.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	4819 197847	9397 392692	16114 781669	32761 1517531	79465 3036628	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Propene	CBM	Lin1	+++++ 132192	+++++ 212827	+++++ 379188	+++++ 670731	+++++ 1266710	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	+++++ 16.0
Dichlorodifluoromethane	CBM	Ave	7356 295146	13095 587961	23999 1149208	47357 2286970	118117 4402155	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloromethane	CBM	Ave	+++++ 26625	+++++ 51097	2708 102728	5370 180329	11493 371723	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	CBM	Ave	+++++ 169816	+++++ 340141	15074 676942	28837 1239131	70374 2496383	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl chloride	CBM	Ave	2414 97593	4286 191507	7924 381044	16221 681653	39561 1209586	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,3-Butadiene	CBM	Ave	+++++ 73991	+++++ 144702	6385 287329	12182 507325	29716 870648	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Butane	CBM	Ave	+++++ 127179	+++++ 248563	11203 487754	21234 845290	51645 1406733	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromomethane	CBM	Ave	+++++ 101095	+++++ 200239	8495 404898	16665 740849	41191 1489682	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroethane	CBM	Ave	+++++ 44330	+++++ 87457	4124 177699	7882 321708	18243 656713	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethanol	CBM	Ave	+++++ 167474	+++++ 351226	+++++ 696236	30565 1188229	72084 2219465	+++++ 5.00	+++++ 10.0	+++++ 20.0	0.800 40.0	2.00 80.0
Vinyl bromide	CBM	Ave	+++++ 95510	+++++ 189702	8295 379948	15666 702715	38538 1389985	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylbutane	CBM	Ave	+++++ 103786	+++++ 201179	+++++ 400721	19100 711683	43994 1339312	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Trichlorofluoromethane	CBM	Ave	6840 297194	12921 584324	25072 1149601	48438 2179387	118769 4185178	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.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

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	Lin2	+++++ 34630	+++++ 65581	+++++ 145567	5018 +++++	15431 +++++	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 +++++	0.400 +++++
Acetonitrile	CBM	Ave	+++++ 48873	+++++ 96261	+++++ 191295	7570 353285	17487 664219	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Acetone	CBM	Ave	+++++ 185541	+++++ 328264	+++++ 611294	+++++ 1114631	88699 2054569	+++++ 3.00	+++++ 6.00	+++++ 12.0	+++++ 24.0	1.20 48.0
Pentane	CBM	Ave	+++++ 15310	+++++ 29533	+++++ 56447	2571 104709	6037 193901	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Isopropyl alcohol	CBM	Ave	12497 441366	21970 919549	40915 1729976	74642 3091202	179214 5292802	0.0600 3.00	0.120 6.00	0.240 12.0	0.480 24.0	1.20 48.0
Ethyl ether	CBM	Ave	+++++ 113846	+++++ 218127	9337 420182	18030 769340	44360 1420470	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1-Dichloroethene	CBM	Ave	2844 110188	5195 216042	9569 421340	17743 802578	44623 1576655	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	+++++ 175745	+++++ 367564	15993 711873	29363 1367437	68168 2571736	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Acrylonitrile	CBM	Ave	+++++ 86738	+++++ 173534	+++++ 336533	13547 624723	34704 1191689	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	CBM	Ave	5560 242070	10758 470338	20265 910181	39525 1687405	96970 3173509	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methylene Chloride	CBM	Lin2	+++++ 153763	+++++ 248209	+++++ 431149	+++++ 763818	93645 1420768	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
3-Chloropropene	CBM	Ave	+++++ 94615	+++++ 182051	8559 343761	16718 602890	36608 1152256	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon disulfide	CBM	Ave	+++++ 330570	+++++ 648546	27426 1250694	54378 2375559	131928 4606736	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
trans-1,2-Dichloroethene	CBM	Ave	+++++ 110823	4863 216100	9375 426740	17806 809001	44499 1554485	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylpentane	CBM	Ave	+++++ 244964	+++++ 476163	20666 907251	40040 1659895	99478 2985016	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methyl tert-butyl ether	CBM	Ave	+++++ 268673	+++++ 530340	22692 1032808	42931 1967098	106652 3836284	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1-Dichloroethane	CBM	Ave	5182 211653	9611 413311	17631 803565	34619 1525153	85121 2969237	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Vinyl acetate	CBM	Ave	6673 307025	12910 612782	23326 1203718	45484 2251685	119718 4394371	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Butanone	CBM	Ave	+++++ 54040	+++++ 105223	+++++ 200762	10794 385899	22617 742872	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Hexane	CBM	Ave	+++++ 88449	+++++ 172428	8050 331263	14791 621739	35596 1174016	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
cis-1,2-Dichloroethene	CBM	Ave	+++++ 115401	5217 229242	9912 443631	19216 851817	47339 1675267	+++++ 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.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

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	5729 258651	10542 513435	20657 997018	41071 1879667	100003 3597773	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chloroform	CBM	Ave	6179 248563	11575 489782	21503 944112	40811 1803840	100202 3491467	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrahydrofuran	CBM	Ave	+++++ 120729	4937 240550	10195 464603	19605 883302	48012 1705286	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,1,1-Trichloroethane	CBM	Ave	+++++ 237707	10879 471940	20448 922941	38947 1779587	95319 3512488	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichloroethane	DFBZ	Ave	3840 158304	6719 313837	13181 608782	25228 1158077	63250 2252039	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1-Butanol	DFBZ	Ave	+++++ 37620	+++++ 82426	+++++ 161842	+++++ 311076	15294 567357	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
Cyclohexane	DFBZ	Ave	+++++ 50641	+++++ 98687	+++++ 186712	8902 348639	20278 642270	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Benzene	DFBZ	Ave	8097 329564	15792 643624	28308 1233468	54597 2301536	131624 4161203	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Carbon tetrachloride	DFBZ	Ave	4847 235721	8950 469489	17238 879954	37621 1649088	77983 3239464	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	+++++ 71217	+++++ 137929	6640 265558	11492 492954	29308 940964	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Thiophene	DFBZ	Ave	+++++ 194383	8911 383958	16123 736980	31284 1402126	78691 2731527	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2,2,4-Trimethylpentane	DFBZ	Ave	+++++ 545516	24190 1060645	46571 2033021	88223 3810443	218525 7155893	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Heptane	DFBZ	Ave	+++++ 107298	+++++ 209441	9553 401738	17344 766746	42962 1488446	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichloropropane	DFBZ	Ave	+++++ 135036	6075 262322	11662 509155	21933 958143	54011 1820856	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Trichloroethene	DFBZ	Ave	3247 136266	6027 268267	11724 519083	21605 1094756	54434 1882916	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Dibromomethane	DFBZ	Ave	+++++ 151587	+++++ 299080	13305 576677	24987 1103254	61496 2052017	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromodichloromethane	DFBZ	Ave	5842 253768	10917 503862	20640 975424	40160 1834113	99349 3545945	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,4-Dioxane	DFBZ	Ave	+++++ 48048	+++++ 101649	4067 192958	7988 355012	19575 649676	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methyl methacrylate	DFBZ	Ave	3077 143672	6515 286477	11801 549225	22491 1028402	56654 1932620	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Methylcyclohexane	DFBZ	Ave	4991 192491	8869 378558	16956 +++++	31947 +++++	78461 +++++	0.0200 1.00	0.0400 2.00	0.0800 +++++	0.160 +++++	0.400 +++++
4-Methyl-2-pentanone (MIBK)	DFBZ	Ave	+++++ 276115	+++++ 547035	24825 1061902	43375 1997695	106422 3754728	+++++ 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.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

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	4260 192531	7700 382212	15206 750061	28979 1444442	74981 2794456	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
trans-1,3-Dichloropropene	CBZd 5	Ave	3542 171574	6806 351423	13230 707017	25281 1374155	64998 2749657	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Toluene	CBZd 5	Ave	+++++ 386086	17916 760463	33661 1468944	62863 2807878	154152 5370382	+++++ 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	+++++ 129104	5821 256286	11106 493092	20955 936846	52224 1774622	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Hexanone	CBZd 5	Ave	+++++ 132431	+++++ 272994	11590 532701	19854 1044210	49715 2035490	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Octane	CBZd 5	Ave	+++++ 114406	+++++ 227163	9950 436579	18080 834804	45458 1594612	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
C8 Range	DFBZ	Ave	+++++ 1079961	+++++ 2112335	+++++ 4048524	195856 7477001	445339 13582812	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
Dibromochloromethane	CBZd 5	Ave	5075 242193	9228 495177	18460 968642	35495 1808846	90548 3624264	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dibromoethane (EDB)	CBZd 5	Ave	5037 228019	9569 455045	18147 890853	34933 1718626	89784 3295113	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Tetrachloroethene	CBZd 5	Ave	3247 135889	6013 266931	11687 520447	22301 990840	55388 1869564	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Chlorobenzene	CBZd 5	Ave	6813 288435	13073 571566	24552 1122675	46487 2160586	115092 4093998	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Ethylbenzene	CBZd 5	Ave	+++++ 499792	22386 985353	41838 1911087	79724 3634828	198737 6821809	+++++ 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	+++++ 768350	35011 1515639	66529 2902038	123404 5341448	308130 9317397	+++++ 2.00	0.0800 4.00	0.160 8.00	0.320 16.0	0.800 32.0
Nonane	CBZd 5	Ave	+++++ 258390	11991 509163	22803 976957	41840 1785108	102815 2987481	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Bromoform	CBZd 5	Lin2	+++++ 245882	+++++ 515139	16599 1005034	32306 1679525	84606 +++++	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
Styrene	CBZd 5	Ave	6116 273034	11498 537084	22413 1039782	40798 1941692	107366 3406903	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
o-Xylene	CBZd 5	Ave	+++++ 394694	18522 767068	34561 1468248	64566 2729520	159709 5063455	+++++ 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	+++++ 329709	14854 655869	28719 1274634	51147 2150211	131161 4530217	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,3-Trichloropropane	CBZd 5	Ave	+++++ 74785	3371 147913	6536 287876	11853 553963	29268 1088863	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Isopropylbenzene	CBZd 5	Ave	+++++ 512919	24008 1006277	46591 1937331	83885 3672801	204768 6908588	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Propylbenzene	CBZd 5	Ave	+++++ 138486	6144 277964	11970 545690	21472 1071236	54391 2093920	+++++ 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.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

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	3098 130313	5906 258681	11309 502548	20854 963397	50908 1842517	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
4-Ethyltoluene	CBZd 5	Ave	12013 525448	23631 1044824	45074 2023181	82554 3857120	205289 7280764	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,3,5-Trimethylbenzene	CBZd 5	Ave	4815 201669	9125 404377	18274 786475	32151 1508948	80516 +++++	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 +++++
Alpha Methyl Styrene	CBZd 5	Ave	4573 205376	8863 421783	17503 848450	29007 1684673	79324 3274057	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Decane	CBZd 5	Ave	+++++ 337862	+++++ 664684	31813 1266715	52482 2318370	132061 3948861	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
tert-Butylbenzene	CBZd 5	Ave	+++++ 437745	+++++ 878139	41348 1694682	70775 3188202	173715 5704967	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,4-Trimethylbenzene	CBZd 5	Ave	+++++ 436685	21207 869749	40432 1661062	70615 3077971	173299 5385556	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
sec-Butylbenzene	CBZd 5	Ave	+++++ 635730	+++++ 1276174	59435 2443989	103285 4575576	252727 7859576	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,3-Dichlorobenzene	CBZd 5	Ave	+++++ 273157	12961 552739	24913 1085285	43447 2062142	105799 3641941	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Benzyl chloride	CBZd 5	Ave	+++++ 301170	+++++ 668613	+++++ 1437518	36393 2827192	107250 5192368	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,4-Dichlorobenzene	CBZd 5	Ave	6046 262731	12435 536770	24199 1051987	40956 2033707	103028 3723504	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	+++++ 494464	+++++ 986073	46659 1907777	78719 3617203	198458 6673948	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,3-Trimethylbenzene	CBZd 5	Ave	+++++ 441444	+++++ 873066	41045 1674234	71548 3157520	178175 5939893	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Indane	CBZd 5	Ave	+++++ 398136	+++++ 804723	37267 1542606	64581 2888774	157464 4871559	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2-Dichlorobenzene	CBZd 5	Ave	+++++ 269513	13836 539443	26053 1053318	43118 1995822	105844 3493631	+++++ 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Indene	CBZd 5	Ave	7627 337269	15882 704181	30667 1373846	51105 2594359	132039 4464426	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Butylbenzene	CBZd 5	Ave	+++++ 530178	+++++ 1068105	51825 2024500	84351 3653450	208742 5967584	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Undecane	CBZd 5	Ave	+++++ 363771	+++++ 738846	+++++ 1425162	55333 2629278	141321 4396311	+++++ 1.00	+++++ 2.00	+++++ 4.00	0.160 8.00	0.400 16.0
1,2-Dibromo-3-Chloropropane	CBZd 5	Ave	3096 147762	6201 318573	12689 635219	19379 1143536	52463 2633060	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,4,5-Tetramethylbenzene	CBZd 5	Ave	+++++ 456878	+++++ 946520	51265 1842825	71702 3648807	176675 6826946	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Dodecane	CBZd 5	Ave	+++++ 320975	+++++ 711826	+++++ 1393776	45530 2729665	118560 4502809	+++++ 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.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

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	4434 187935	10231 417481	22123 853320	25973 1809775	66013 3643726	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Naphthalene	CBZd5	Ave	12735 410893	28537 908852	60115 1794759	64972 3698987	151103 7629587	0.0200 1.00	0.0400 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
Hexachlorobutadiene	CBZd5	Lin1	+++++ 237631	+++++ 491612	37687 943884	40154 1783468	94907 3073127	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
1,2,3-Trichlorobenzene	CBZd5	Lin1	+++++ 194293	+++++ 411869	29954 799600	30289 1586513	71671 3054801	+++++ 1.00	+++++ 2.00	0.0800 4.00	0.160 8.00	0.400 16.0
2-Methylnaphthalene	CBZd5	Ave	+++++ 64203	+++++ 168308	+++++ 372930	+++++ 798799	17373 1542574	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
1-Methylnaphthalene	CBZd5	Ave	+++++ 105837	+++++ 249815	+++++ 513018	+++++ 1023126	31518 1852136	+++++ 1.00	+++++ 2.00	+++++ 4.00	+++++ 8.00	0.400 16.0
4-Bromofluorobenzene (Surr)	CBZd5	Ave	909717 888728	944848 861250	923947 860135	928443 821767	912201 780836	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

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 140-38415/3	HC18IC01A.D
Level 2	IC 140-38415/4	HC18IC02A.D
Level 3	IC 140-38415/5	HC18IC03.D
Level 4	IC 140-38415/6	HC18IC04.D
Level 5	IC 140-38415/7	HC18IC05.D
Level 6	IC 140-38415/8	HC18IC06.D
Level 7	ICIS 140-38415/9	HC18IC07.D
Level 8	IC 140-38415/11	HC18IC08.D
Level 9	IC 140-38415/13	HC18IC09.D
Level 10	IC 140-38415/15	HC18IC10.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	12.1						50					
Propene	+++++	+++++	+++++	+++++	+++++	-1.1						50
Dichlorodifluoromethane	15.9						50					
Chloromethane	+++++	+++++	16.9						50			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	+++++	+++++	4.5						50			
Vinyl chloride	18.1						50					
1,3-Butadiene	+++++	+++++	6.8						50			
Butane	+++++	+++++	9.6						50			
Bromomethane	+++++	+++++	0.2						50			
Chloroethane	+++++	+++++	8.4						50			
Ethanol	+++++	+++++	+++++	6.8						50		
Vinyl bromide	+++++	+++++	3.4						50			
2-Methylbutane	+++++	+++++	+++++	11.1						50		
Trichlorofluoromethane	9.1						50					

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

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	+++++	+++++	+++++ +++++	-3.2 +++++						50		
Acetonitrile	+++++	+++++	+++++	-3.5						50		
Acetone	+++++	+++++	+++++	+++++	29.2						80	
Pentane	+++++	+++++	+++++	5.0						50		
Isopropyl alcohol	28.6						50					
Ethyl ether	+++++	+++++	3.6						50			
1,1-Dichloroethene	19.5						50					
tert-Butyl alcohol	+++++	+++++	6.2						50			
Acrylonitrile	+++++	+++++	+++++	-4.5						50		
1,1,2-Trichloro-1,2,2-trifluoroethane	10.4						50					
Methylene Chloride	+++++	+++++	+++++	+++++	-2.3						80	
3-Chloropropene	+++++	+++++	12.4						50			
Carbon disulfide	+++++	+++++	1.1						50			
trans-1,2-Dichloroethene	+++++	3.6						50				
2-Methylpentane	+++++	+++++	5.2						50			
Methyl tert-butyl ether	+++++	+++++	2.3						50			
1,1-Dichloroethane	15.3						50					
Vinyl acetate	5.8						50					
2-Butanone	+++++	+++++	+++++	18.2						50		
Hexane	+++++	+++++	10.4						50			
cis-1,2-Dichloroethene	+++++	4.8						50				

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

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	7.5						50					
Chloroform	15.9						50					
Tetrahydrofuran	+++++	-3.0						50				
1,1,1-Trichloroethane	+++++	5.9						50				
1,2-Dichloroethane	13.3						50					
1-Butanol	+++++	+++++	+++++	+++++	-7.2						50	
Cyclohexane	+++++	+++++	+++++	7.6						50		
Benzene	14.6						50					
Carbon tetrachloride	2.8						50					
2,3-Dimethylpentane	+++++	+++++	12.1						50			
Thiophene	+++++	6.4						50				
2,2,4-Trimethylpentane	+++++	4.6						50				
Heptane	+++++	+++++	6.8						50			
1,2-Dichloropropane	+++++	5.1						50				
Trichloroethene	10.2						50					
Dibromomethane	+++++	+++++	4.8						50			
Bromodichloromethane	8.8						50					
1,4-Dioxane	+++++	+++++	-0.4						50			
Methyl methacrylate	1.9						50					
Methylcyclohexane	16.1	+++++	+++++	+++++			50					
4-Methyl-2-pentanone (MIBK)	+++++	+++++	8.2						50			

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

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	5.7						50					
trans-1,3-Dichloropropene	1.9						50					
Toluene	+++++	10.5						50				
1,1,2-Trichloroethane	+++++	7.8						50				
2-Hexanone	+++++	+++++	6.1						50			
Octane	+++++	+++++	7.6						50			
Dibromochloromethane	5.8						50					
1,2-Dibromoethane (EDB)	9.2						50					
Tetrachloroethene	15.7						50					
Chlorobenzene	13.9						50					
Ethylbenzene	+++++	8.0						50				
m-Xylene & p-Xylene	+++++	11.0						50				
Nonane	+++++	13.0						50				
Bromoform	+++++	+++++	4.9	+++++					50			
Styrene	13.0						50					
o-Xylene	+++++	13.2						50				
1,1,2,2-Tetrachloroethane	+++++	9.3						50				
1,2,3-Trichloropropane	+++++	7.3						50				
Isopropylbenzene	+++++	11.4						50				
Propylbenzene	+++++	4.8						50				
2-Chlorotoluene	14.9						50					

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

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	13.0			+++++			50					
Alpha Methyl Styrene	7.0						50					
Decane	+++++	+++++	19.2						50			
tert-Butylbenzene	+++++	+++++	15.8						50			
1,2,4-Trimethylbenzene	+++++	15.8						50				
sec-Butylbenzene	+++++	+++++	15.5						50			
1,3-Dichlorobenzene	+++++	11.9						50				
Benzyl chloride	+++++	+++++	+++++	-29.7						50		
1,4-Dichlorobenzene	9.4						50					
4-Isopropyltoluene	+++++	+++++	15.4						50			
1,2,3-Trimethylbenzene	+++++	+++++	14.3						50			
Indane	+++++	+++++	15.6						50			
1,2-Dichlorobenzene	+++++	19.6						50				
Indene	8.5						50					
Butylbenzene	+++++	+++++	22.2						50			
Undecane	+++++	+++++	+++++	-2.7						50		
1,2-Dibromo-3-Chloropropane	1.4						50					
1,2,4,5-Tetramethylbenzene	+++++	+++++	30.1						50			
Dodecane	+++++	+++++	+++++	-14.2						50		
1,2,4-Trichlorobenzene	1.2						50					

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1 Analy Batch No.: 38415

SDG No.:

Instrument ID: MH GC Column: RTX-5 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/18/2020 02:32 Calibration End Date: 03/18/2020 11:50 Calibration ID: 2359

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	21.8						80					
Hexachlorobutadiene	+++++	+++++	16.5						50			
1,2,3-Trichlorobenzene	+++++	+++++	44.0						50			
2-Methylnaphthalene	+++++	+++++	+++++	+++++	-47.6						80	
1-Methylnaphthalene	+++++	+++++	+++++	+++++	-32.7						80	

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC01A.D
Lims ID: IC L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 18-Mar-2020 02:32:30 ALS Bottle#: 1 Worklist Smp#: 3
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014958-003
Misc. Info.: 285633
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Mar-2020 15:36:41 Calib Date: 18-Mar-2020 11:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: tajh Date: 18-Mar-2020 12:48:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.587	8.592	-0.005	96	247580	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.794	10.797	-0.003	95	1667975	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.576	-0.001	88	1328524	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.224	17.225	-0.001	90	909717	4.00	4.04	
6 Chlorodifluoromethane	51	3.548	3.547	0.001	95	4819	0.0200	0.0224	
7 Propene	41	3.559	3.557	0.002	98	52529	0.0200	-0.0234	
8 Dichlorodifluoromethane	85	3.605	3.606	-0.001	99	7356	0.0200	0.0232	
9 Chloromethane	52	3.781	3.781	0.000	59	959	0.0200	0.0329	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.791	3.787	0.004	91	4493	0.0200	0.0247	
11 Acetaldehyde	44	3.936	3.931	0.005	95	22963	0.1000	0.5792	
12 Vinyl chloride	62	3.951	3.946	0.005	97	2414	0.0200	0.0236	
13 Butane	43	4.029	4.029	0.000	84	3359	0.0200	0.0261	
14 Butadiene	54	4.034	4.029	0.005	80	2041	0.0200	0.0271	
15 Bromomethane	94	4.344	4.340	0.004	96	3777	0.0200	0.0354	
16 Chloroethane	64	4.479	4.474	0.005	85	1448	0.0200	0.0302	
17 Ethanol	31	4.582	4.573	0.009	90	5434	0.1000	0.1510	
18 Vinyl bromide	106	4.768	4.764	0.004	97	2144	0.0200	0.0212	
19 2-Methylbutane	43	4.815	4.811	0.004	88	5452	0.0200	0.0504	
20 Trichlorofluoromethane	101	5.026	5.025	0.001	99	6840	0.0200	0.0218	
21 Acrolein	56	5.047	5.040	0.007	48	1634	0.0200	0.0663	
22 Acetonitrile	40	5.114	5.106	0.008	85	1488	0.0200	0.0302	
23 Acetone	58	5.171	5.153	0.018	99	23042	0.0600	0.3866	
24 Pentane	72	5.244	5.241	0.003	88	408	0.0200	0.0265	
25 Isopropyl alcohol	45	5.269	5.244	0.025	94	12497	0.0600	0.0772	
26 Ethyl ether	31	5.440	5.409	0.031	95	2691	0.0200	0.0237	
27 1,1-Dichloroethene	96	5.714	5.717	-0.003	95	2844	0.0200	0.0239	
28 Acrylonitrile	53	5.828	5.826	0.002	97	2726	0.0200	0.0305	
29 2-Methyl-2-propanol	59	5.884	5.835	0.049	74	4434	0.0200	0.0234	
30 1,1,2-Trichloro-1,2,2-trif	101	5.884	5.890	-0.006	94	5560	0.0200	0.0221	
31 Methylene Chloride	84	6.065	6.065	0.000	97	56141	0.0200	-0.0170	

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	6.078	-0.002	26	2593	0.0200	0.0271	
33 Carbon disulfide	76	6.226	6.221	0.005	98	7879	0.0200	0.0231	
34 trans-1,2-Dichloroethene	96	6.861	6.862	-0.001	97	2854	0.0200	0.0247	
35 2-Methylpentane	43	6.877	6.877	0.000	92	5926	0.0200	0.0240	
36 Methyl tert-butyl ether	73	7.027	6.994	0.033	94	6669	0.0200	0.0239	
37 1,1-Dichloroethane	63	7.280	7.282	-0.002	99	5182	0.0200	0.0231	
38 Vinyl acetate	43	7.394	7.387	0.007	100	6673	0.0200	0.0212	
39 2-Butanone (MEK)	72	7.854	7.836	0.018	93	2534	0.0200	0.0441	
40 Hexane	56	7.859	7.852	0.007	56	2391	0.0200	0.0261	
41 Isopropyl ether	45	8.040	8.016	0.024	98	9918	0.0200	0.0245	
42 cis-1,2-Dichloroethene	96	8.252	8.261	-0.009	94	3012	0.0200	0.0246	
43 Ethyl acetate	43	8.469	8.452	0.017	98	5729	0.0200	0.0215	
44 Chloroform	83	8.598	8.605	-0.007	27	6179	0.0200	0.0232	
45 Tert-butyl ethyl ether	59	8.722	8.692	0.030	97	7604	0.0200	0.0218	
46 Tetrahydrofuran	42	9.053	9.012	0.041	87	2865	0.0200	0.0229	
47 1,1,1-Trichloroethane	97	9.621	9.628	-0.007	95	6108	0.0200	0.0242	
48 1,2-Dichloroethane	62	9.740	9.743	-0.003	95	3840	0.0200	0.0227	
49 n-Butanol	31	10.247	10.209	0.038	51	970	0.0200	0.0226	
50 Cyclohexane	69	10.231	10.232	-0.001	75	2170	0.0200	0.0413	
51 Benzene	78	10.236	10.237	-0.001	97	8097	0.0200	0.0229	
52 Carbon tetrachloride	117	10.252	10.258	-0.006	96	4847	0.0200	0.0206	
53 2,3-Dimethylpentane	71	10.360	10.357	0.003	88	2038	0.0200	0.0272	
54 Thiophene	84	10.520	10.518	0.002	95	4748	0.0200	0.0230	
55 Isooctane	57	11.011	11.010	0.001	98	13192	0.0200	0.0231	
56 n-Heptane	71	11.394	11.396	-0.002	90	2945	0.0200	0.0260	
57 1,2-Dichloropropane	63	11.482	11.482	0.000	86	3438	0.0200	0.0242	
58 Trichloroethene	130	11.518	11.518	0.000	92	3247	0.0200	0.0220	
59 Dibromomethane	93	11.601	11.605	-0.004	92	4224	0.0200	0.0263	
60 Dichlorobromomethane	83	11.751	11.753	-0.003	98	5842	0.0200	0.0218	
61 1,4-Dioxane	88	11.802	11.775	0.027	57	1205	0.0200	0.0233	
62 Methyl methacrylate	41	11.859	11.853	0.006	96	3077	0.0200	0.0204	
63 Methylcyclohexane	83	12.293	12.294	-0.001	94	4991	0.0200	0.0232	
64 4-Methyl-2-pentanone (MIBK	43	12.733	12.715	0.017	95	6858	0.0200	0.0236	
65 cis-1,3-Dichloropropene	75	12.764	12.769	-0.005	95	4260	0.0200	0.0211	
66 trans-1,3-Dichloropropene	75	13.472	13.475	-0.003	96	3542	0.0200	0.0204	
67 Toluene	91	13.590	13.593	-0.003	92	9807	0.0200	0.0249	
68 1,1,2-Trichloroethane	83	13.673	13.674	-0.001	95	3230	0.0200	0.0246	
69 2-Hexanone	58	14.076	14.062	0.014	90	2934	0.0200	0.0216	
70 n-Octane	85	14.288	14.289	-0.001	95	2727	0.0200	0.0238	
71 Chlorodibromomethane	129	14.376	14.378	-0.002	97	5075	0.0200	0.0212	
72 Ethylene Dibromide	107	14.665	14.671	-0.006	98	5037	0.0200	0.0218	
73 Tetrachloroethene	129	14.738	14.743	-0.005	93	3247	0.0200	0.0231	
74 Chlorobenzene	112	15.622	15.625	-0.003	94	6813	0.0200	0.0228	
75 2,3-Dimethylheptane	43	15.642	15.644	-0.002	96	8403	0.0200	0.0238	
76 Ethylbenzene	91	15.916	15.917	-0.001	99	11411	0.0200	0.0227	
77 m-Xylene & p-Xylene	91	16.076	16.077	-0.001	100	18984	0.0400	0.0496	
78 n-Nonane	57	16.500	16.500	0.000	93	6692	0.0200	0.0260	
79 Bromoform	173	16.526	16.527	-0.001	93	4364	0.0200	0.0347	
80 Styrene	104	16.542	16.545	-0.003	98	6116	0.0200	0.0226	
81 o-Xylene	91	16.604	16.604	0.000	98	10109	0.0200	0.0255	
82 1,1,2,2-Tetrachloroethane	83	16.934	16.933	0.001	97	8129	0.0200	0.0246	
83 1,2,3-Trichloropropane	110	17.089	17.091	-0.002	98	1900	0.0200	0.0249	

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	17.194	-0.001	96	14052	0.0200	0.0269	
85 N-Propylbenzene	120	17.756	17.757	-0.001	98	3186	0.0200	0.0224	
86 2-Chlorotoluene	126	17.803	17.803	0.000	97	3098	0.0200	0.0230	
87 4-Ethyltoluene	105	17.916	17.916	0.000	98	12013	0.0200	0.0223	
88 1,3,5-Trimethylbenzene	120	17.994	17.994	0.000	91	4815	0.0200	0.0226	
89 Alpha Methyl Styrene	118	18.237	18.238	-0.001	83	4573	0.0200	0.0214	
90 n-Decane	57	18.304	18.300	0.004	89	8162	0.0200	0.0246	
91 tert-Butylbenzene	119	18.444	18.442	0.002	90	11313	0.0200	0.0255	
92 1,2,4-Trimethylbenzene	105	18.454	18.455	-0.001	95	11311	0.0200	0.0255	
93 sec-Butylbenzene	105	18.723	18.724	-0.001	98	16745	0.0200	0.0262	
94 1,3-Dichlorobenzene	146	18.738	18.740	-0.002	98	6595	0.0200	0.0235	
95 Benzyl chloride	91	18.821	18.821	0.000	96	5209	0.0200	0.0162	
96 1,4-Dichlorobenzene	146	18.831	18.832	-0.001	92	6046	0.0200	0.0219	
97 4-Isopropyltoluene	119	18.893	18.893	0.000	96	12580	0.0200	0.0251	
98 1,2,3-Trimethylbenzene	105	18.950	18.950	0.000	99	11470	0.0200	0.0257	
99 Butylcyclohexane	83	19.007	19.007	0.000	90	9630	0.0200	0.0263	
101 2,3-Dihydroindene	117	19.203	19.207	-0.004	92	10150	0.0200	0.0253	
100 1,2-Dichlorobenzene	146	19.203	19.208	-0.005	80	7044	0.0200	0.0251	
102 Indene	116	19.343	19.343	0.000	88	7627	0.0200	0.0217	
103 n-Butylbenzene	91	19.348	19.348	0.000	96	13284	0.0200	0.0252	
104 Undecane	57	19.674	19.673	0.001	96	9700	0.0200	0.0274	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.834	0.000	89	3096	0.0200	0.0203	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	95	13431	0.0200	0.0275	
107 Dodecane	57	20.764	20.765	-0.001	95	11690	0.0200	0.0354	
108 1,2,4-Trichlorobenzene	180	20.971	20.968	0.003	90	4434	0.0200	0.0202	
109 Naphthalene	128	21.116	21.114	0.002	98	12735	0.0200	0.0244	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	91	10320	0.0200	-0.0306	
111 1,2,3-Trichlorobenzene	180	21.410	21.411	-0.001	92	6894	0.0200	0.003422	
112 2-Methylnaphthalene	142	22.061	22.061	0.000	96	1854	0.0200	0.0221	
113 1-Methylnaphthalene	142	22.191	22.191	0.000	97	3999	0.0200	0.0337	
A 115 C8 Range	1	14.299	(14.247-14.330)		0	49287	0.0200	0.0435	
S 116 Xylenes, Total	100				0		0.0600	0.0750	
S 117 1,2-Dichloroethene, Total	1				0		0.0400	0.0493	

Reagents:

40L1-3DQP_00024	Amount Added: 50.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

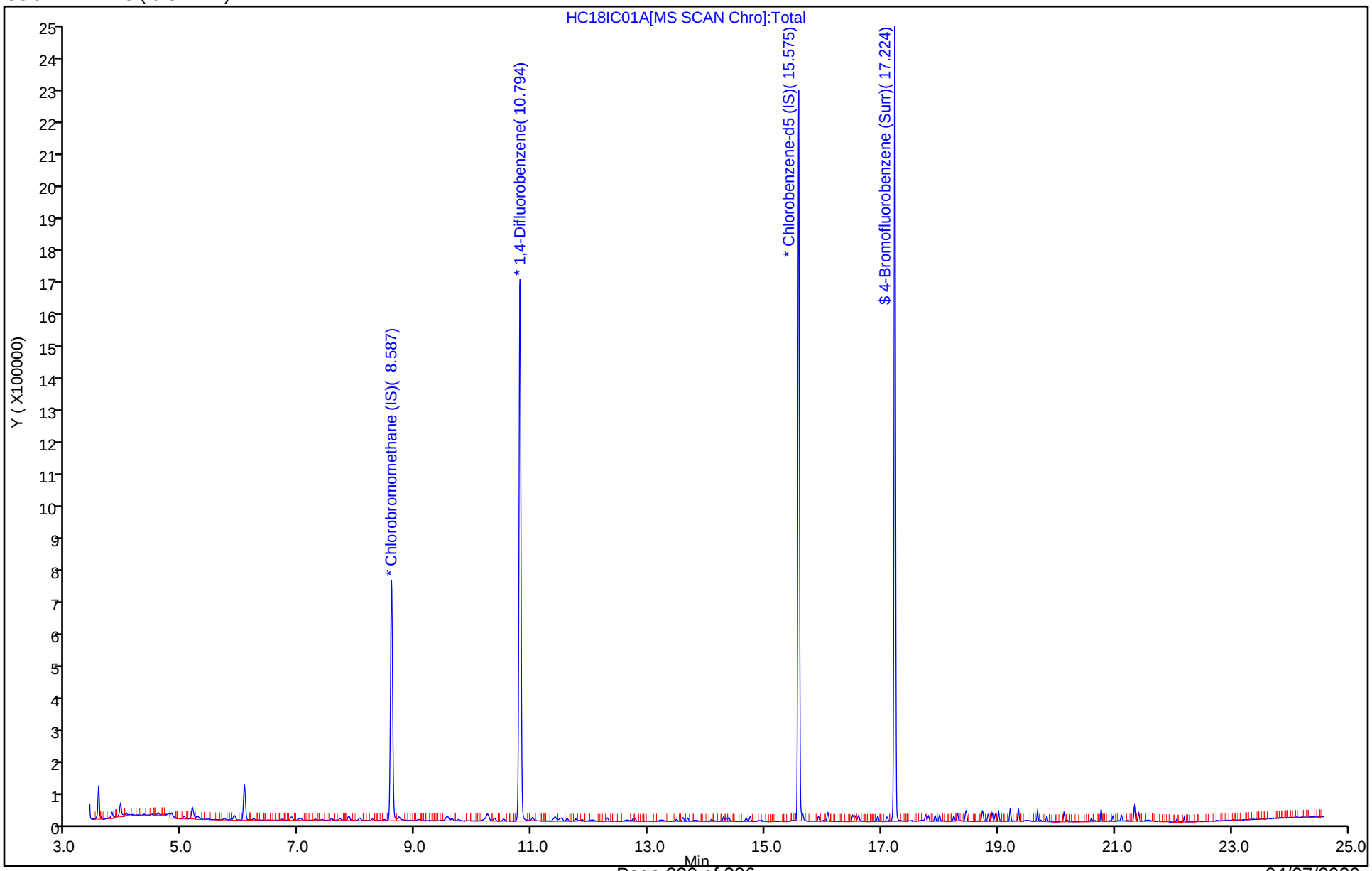
Report Date: 18-Mar-2020 15:36:42 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC01A.D

Injection Date:	18-Mar-2020 02:32:30	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)

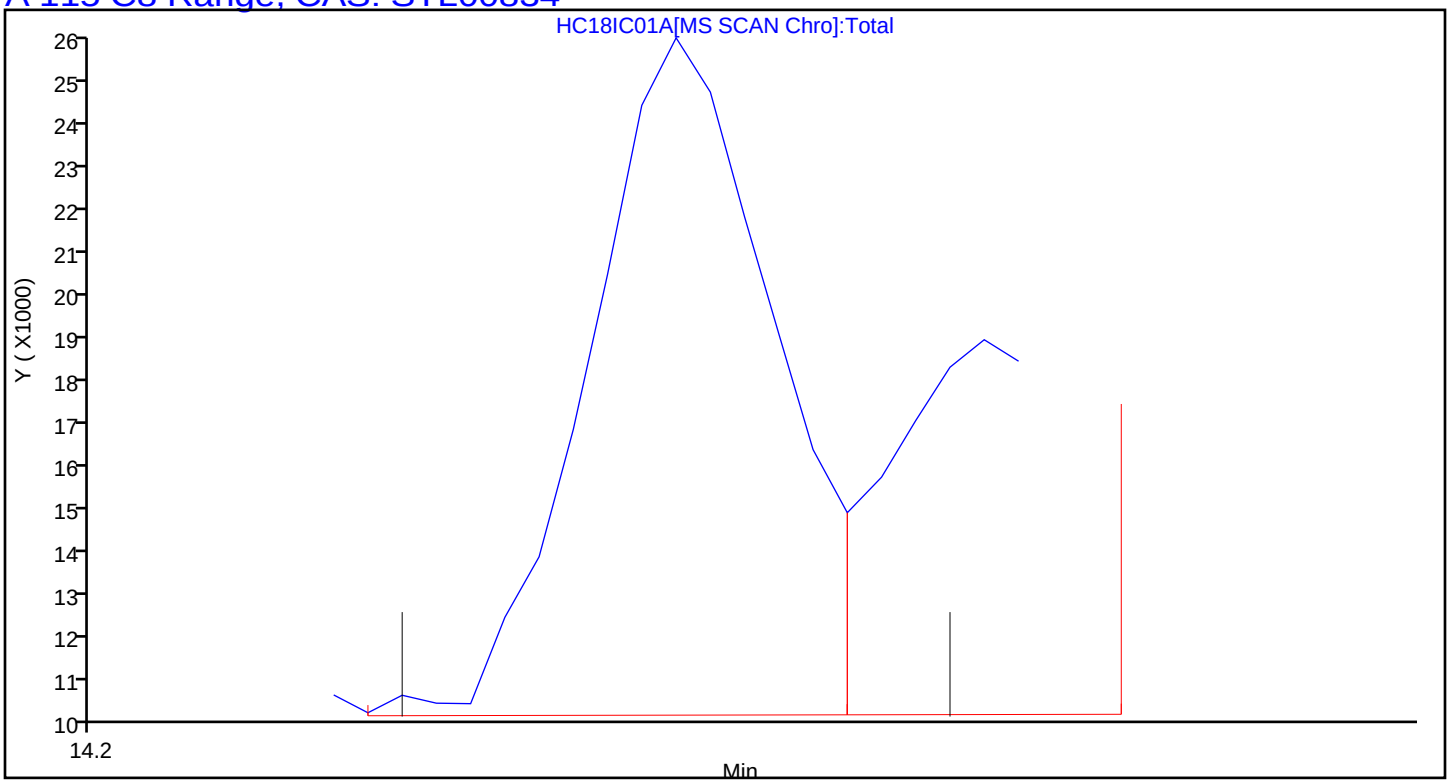


Report Date: 18-Mar-2020 15:36:42 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC01A.D				
Injection Date:	18-Mar-2020 02:32:30	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: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC02A.D
Lims ID: IC L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 18-Mar-2020 03:25:30 ALS Bottle#: 1 Worklist Smp#: 4
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014958-004
Misc. Info.: 285633
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Mar-2020 15:36:48 Calib Date: 18-Mar-2020 11:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: tajh Date: 18-Mar-2020 12:50:35

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	8.587	8.592	-0.005	95	251578	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.794	10.797	-0.003	95	1692823	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.576	-0.001	88	1368447	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.224	17.225	-0.001	90	944848	4.00	4.07	
6 Chlorodifluoromethane	51	3.548	3.547	0.001	59	9397	0.0400	0.0430	
7 Propene	41	3.558	3.557	0.001	98	54789	0.0400	-0.007454	
8 Dichlorodifluoromethane	85	3.610	3.606	0.004	99	13095	0.0400	0.0406	
9 Chloromethane	52	3.781	3.781	0.000	53	1582	0.0400	0.0534	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.791	3.787	0.004	94	7738	0.0400	0.0419	
11 Acetaldehyde	44	3.936	3.931	0.005	98	38813	0.2000	0.9635	
12 Vinyl chloride	62	3.946	3.946	0.000	97	4286	0.0400	0.0413	
13 Butane	43	4.034	4.029	0.005	84	6504	0.0400	0.0498	
14 Butadiene	54	4.034	4.029	0.005	66	3597	0.0400	0.0471	
15 Bromomethane	94	4.344	4.340	0.004	97	4374	0.0400	0.0403	
16 Chloroethane	64	4.473	4.474	-0.001	95	2327	0.0400	0.0478	
17 Ethanol	31	4.582	4.573	0.009	93	10138	0.2000	0.2771	
18 Vinyl bromide	106	4.763	4.764	-0.001	98	4738	0.0400	0.0462	
19 2-Methylbutane	43	4.814	4.811	0.003	87	7618	0.0400	0.0693	
20 Trichlorofluoromethane	101	5.031	5.025	0.006	99	12921	0.0400	0.0406	
21 Acrolein	56	5.042	5.040	0.002	92	2771	0.0400	0.0946	
22 Acetonitrile	40	5.109	5.106	0.003	93	2686	0.0400	0.0536	
23 Acetone	58	5.166	5.153	0.013	99	42758	0.1200	0.7060	
24 Pentane	72	5.243	5.241	0.002	95	739	0.0400	0.0472	
25 Isopropyl alcohol	45	5.264	5.244	0.020	93	21970	0.1200	0.1335	
26 Ethyl ether	31	5.424	5.409	0.015	96	4921	0.0400	0.0427	
27 1,1-Dichloroethene	96	5.719	5.717	0.002	96	5195	0.0400	0.0429	
28 Acrylonitrile	53	5.822	5.826	-0.004	97	4642	0.0400	0.0512	
30 1,1,2-Trichloro-1,2,2-trif	101	5.889	5.890	-0.001	93	10758	0.0400	0.0420	
29 2-Methyl-2-propanol	59	5.864	5.835	0.029	95	8257	0.0400	0.0429	
31 Methylene Chloride	84	6.065	6.065	0.000	97	59184	0.0400	0.003735	

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	6.078	-0.003	26	4196	0.0400	0.0431	
33 Carbon disulfide	76	6.220	6.221	-0.001	98	14356	0.0400	0.0414	
34 trans-1,2-Dichloroethene	96	6.861	6.862	-0.001	96	4863	0.0400	0.0415	
35 2-Methylpentane	43	6.882	6.877	0.005	95	10490	0.0400	0.0417	
36 Methyl tert-butyl ether	73	7.021	6.994	0.027	93	11779	0.0400	0.0415	
37 1,1-Dichloroethane	63	7.280	7.282	-0.002	99	9611	0.0400	0.0421	
38 Vinyl acetate	43	7.388	7.387	0.001	100	12910	0.0400	0.0403	
39 2-Butanone (MEK)	72	7.848	7.836	0.012	91	4793	0.0400	0.0821	
40 Hexane	56	7.853	7.852	0.001	58	4189	0.0400	0.0449	
41 Isopropyl ether	45	8.034	8.016	0.018	99	18400	0.0400	0.0447	
42 cis-1,2-Dichloroethene	96	8.267	8.261	0.006	97	5217	0.0400	0.0419	
43 Ethyl acetate	43	8.468	8.452	0.016	99	10542	0.0400	0.0389	
44 Chloroform	83	8.598	8.605	-0.007	28	11575	0.0400	0.0427	
45 Tert-butyl ethyl ether	59	8.711	8.692	0.019	96	14234	0.0400	0.0402	
46 Tetrahydrofuran	42	9.037	9.012	0.025	93	4937	0.0400	0.0388	
47 1,1,1-Trichloroethane	97	9.631	9.628	0.003	95	10879	0.0400	0.0424	
48 1,2-Dichloroethane	62	9.750	9.743	0.007	96	6719	0.0400	0.0391	
50 Cyclohexane	69	10.231	10.232	-0.001	72	2543	0.0400	0.0477	
51 Benzene	78	10.231	10.237	-0.006	97	15792	0.0400	0.0440	
49 n-Butanol	31	10.236	10.209	0.027	51	1950	0.0400	0.0448	
52 Carbon tetrachloride	117	10.251	10.258	-0.007	96	8950	0.0400	0.0374	
53 2,3-Dimethylpentane	71	10.360	10.357	0.003	91	3438	0.0400	0.0451	
54 Thiophene	84	10.515	10.518	-0.003	97	8911	0.0400	0.0426	
55 Isooctane	57	11.011	11.010	0.001	98	24190	0.0400	0.0418	
56 n-Heptane	71	11.399	11.396	0.003	89	5244	0.0400	0.0456	
57 1,2-Dichloropropane	63	11.482	11.482	0.000	93	6075	0.0400	0.0420	
58 Trichloroethene	130	11.518	11.518	0.000	91	6027	0.0400	0.0403	
59 Dibromomethane	93	11.606	11.605	0.001	95	7279	0.0400	0.0446	
60 Dichlorobromomethane	83	11.750	11.753	-0.003	99	10917	0.0400	0.0401	
61 1,4-Dioxane	88	11.792	11.775	0.017	87	2035	0.0400	0.0388	
62 Methyl methacrylate	41	11.864	11.853	0.011	94	6515	0.0400	0.0425	
63 Methylcyclohexane	83	12.293	12.294	-0.001	95	8869	0.0400	0.0407	
64 4-Methyl-2-pentanone (MIBK	43	12.727	12.715	0.012	95	12590	0.0400	0.0427	
65 cis-1,3-Dichloropropene	75	12.768	12.769	-0.001	96	7700	0.0400	0.0376	
66 trans-1,3-Dichloropropene	75	13.471	13.475	-0.004	97	6806	0.0400	0.0380	
67 Toluene	91	13.590	13.593	-0.003	94	17916	0.0400	0.0442	
68 1,1,2-Trichloroethane	83	13.673	13.674	-0.001	98	5821	0.0400	0.0431	
69 2-Hexanone	58	14.071	14.062	0.009	91	5778	0.0400	0.0414	
70 n-Octane	85	14.293	14.289	0.004	93	4994	0.0400	0.0422	
71 Chlorodibromomethane	129	14.381	14.378	0.003	93	9228	0.0400	0.0373	
72 Ethylene Dibromide	107	14.670	14.671	-0.001	99	9569	0.0400	0.0403	
73 Tetrachloroethene	129	14.743	14.743	0.000	94	6013	0.0400	0.0416	
74 Chlorobenzene	112	15.627	15.625	0.002	94	13073	0.0400	0.0424	
75 2,3-Dimethylheptane	43	15.642	15.644	-0.002	96	17087	0.0400	0.0470	
76 Ethylbenzene	91	15.916	15.917	-0.001	99	22386	0.0400	0.0432	
77 m-Xylene & p-Xylene	91	16.076	16.077	-0.001	99	35011	0.0800	0.0888	
78 n-Nonane	57	16.500	16.500	0.000	91	11991	0.0400	0.0452	
79 Bromoform	173	16.526	16.527	-0.001	91	8629	0.0400	0.0510	
80 Styrene	104	16.547	16.545	0.002	98	11498	0.0400	0.0413	
81 o-Xylene	91	16.603	16.604	-0.001	98	18522	0.0400	0.0453	
82 1,1,2,2-Tetrachloroethane	83	16.934	16.933	0.001	98	14854	0.0400	0.0437	
83 1,2,3-Trichloropropane	110	17.094	17.091	0.003	96	3371	0.0400	0.0429	

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	17.198	17.194	0.004	98	24008	0.0400	0.0446	
85 N-Propylbenzene	120	17.756	17.757	-0.001	98	6144	0.0400	0.0419	
86 2-Chlorotoluene	126	17.802	17.803	-0.001	97	5906	0.0400	0.0425	
87 4-Ethyltoluene	105	17.916	17.916	0.000	98	23631	0.0400	0.0427	
88 1,3,5-Trimethylbenzene	120	17.994	17.994	0.000	91	9125	0.0400	0.0416	
89 Alpha Methyl Styrene	118	18.242	18.238	0.004	88	8863	0.0400	0.0403	
90 n-Decane	57	18.299	18.300	-0.001	89	16132	0.0400	0.0472	
91 tert-Butylbenzene	119	18.443	18.442	0.001	89	21277	0.0400	0.0466	
92 1,2,4-Trimethylbenzene	105	18.454	18.455	-0.001	96	21207	0.0400	0.0463	
93 sec-Butylbenzene	105	18.722	18.724	-0.002	98	30834	0.0400	0.0469	
94 1,3-Dichlorobenzene	146	18.743	18.740	0.003	97	12961	0.0400	0.0447	
95 Benzyl chloride	91	18.821	18.821	0.000	97	10304	0.0400	0.0311	
96 1,4-Dichlorobenzene	146	18.831	18.832	-0.001	93	12435	0.0400	0.0437	
97 4-Isopropyltoluene	119	18.893	18.893	0.000	96	23861	0.0400	0.0461	
98 1,2,3-Trimethylbenzene	105	18.950	18.950	0.000	99	21996	0.0400	0.0479	
99 Butylcyclohexane	83	19.007	19.007	0.000	93	18415	0.0400	0.0489	
101 2,3-Dihydroindene	117	19.203	19.207	-0.004	92	19506	0.0400	0.0473	
100 1,2-Dichlorobenzene	146	19.208	19.208	0.000	83	13836	0.0400	0.0478	
102 Indene	116	19.343	19.343	0.000	89	15882	0.0400	0.0439	
103 n-Butylbenzene	91	19.348	19.348	0.000	97	26154	0.0400	0.0482	
104 Undecane	57	19.673	19.673	0.000	95	19732	0.0400	0.0542	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.834	0.000	92	6201	0.0400	0.0394	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	96	25942	0.0400	0.0515	
107 Dodecane	57	20.764	20.765	-0.001	96	24023	0.0400	0.0706	
108 1,2,4-Trichlorobenzene	180	20.971	20.968	0.003	93	10231	0.0400	0.0454	
109 Naphthalene	128	21.110	21.114	-0.004	99	28537	0.0400	0.0530	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	91	19377	0.0400	0.008130	
111 1,2,3-Trichlorobenzene	180	21.410	21.411	-0.001	92	14463	0.0400	0.0384	
112 2-Methylnaphthalene	142	22.061	22.061	0.000	99	4687	0.0400	0.0542	
113 1-Methylnaphthalene	142	22.190	22.191	-0.001	98	9964	0.0400	0.0815	
A 115 C8 Range	1	14.298	(14.252-14.334)		0	102563	0.0400	0.0892	
S 116 Xylenes, Total	100				0		0.1200	0.1340	
S 117 1,2-Dichloroethene, Total	1				0		0.0800	0.0834	

Reagents:

40L1-3DQP_00024	Amount Added: 100.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

Report Date: 18-Mar-2020 15:36:49 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC02A.D

Injection Date:	18-Mar-2020 03:25:30	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		

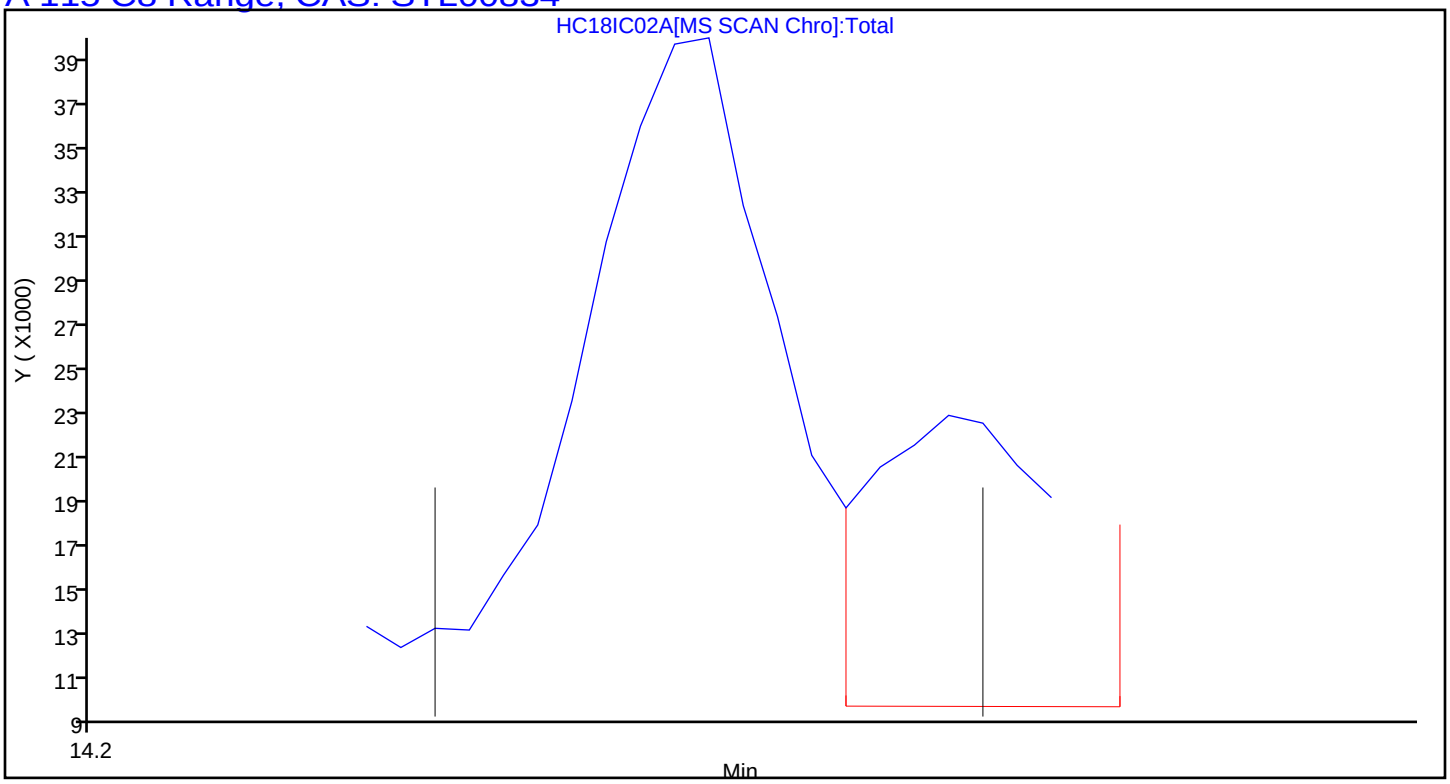
Column: RTX-5 (0.32 mm)

Report Date: 18-Mar-2020 15:36:49 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC02A.D				
Injection Date:	18-Mar-2020 03:25:30	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: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC03.D
Lims ID: IC L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 18-Mar-2020 04:18:30 ALS Bottle#: 1 Worklist Smp#: 5
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014958-005
Misc. Info.: 285633
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Mar-2020 15:36:55 Calib Date: 18-Mar-2020 11:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: tajh Date: 18-Mar-2020 12:52:28

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	8.587	8.592	-0.005	95	245967	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.794	10.797	-0.003	95	1646181	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.576	-0.001	88	1337533	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.224	17.225	-0.001	90	923947	4.00	4.08	
6 Chlorodifluoromethane	51	3.548	3.547	0.001	96	16114	0.0800	0.0754	
7 Propene	41	3.559	3.557	0.002	99	58050	0.0800	0.0443	
8 Dichlorodifluoromethane	85	3.605	3.606	-0.001	100	23999	0.0800	0.0761	
9 Chloromethane	52	3.786	3.781	0.005	57	2708	0.0800	0.0935	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.791	3.787	0.004	94	15074	0.0800	0.0836	
11 Acetaldehyde	44	3.931	3.931	0.000	97	72319	0.4000	1.84	
12 Vinyl chloride	62	3.946	3.946	0.000	99	7924	0.0800	0.0780	
13 Butane	43	4.029	4.029	0.000	83	11203	0.0800	0.0877	
14 Butadiene	54	4.029	4.029	0.000	74	6385	0.0800	0.0855	
15 Bromomethane	94	4.344	4.340	0.004	98	8495	0.0800	0.0801	
16 Chloroethane	64	4.473	4.474	-0.001	96	4124	0.0800	0.0867	
17 Ethanol	31	4.572	4.573	-0.001	92	19047	0.4000	0.5326	
18 Vinyl bromide	106	4.763	4.764	-0.001	95	8295	0.0800	0.0828	
19 2-Methylbutane	43	4.809	4.811	-0.002	93	11293	0.0800	0.1051	
20 Trichlorofluoromethane	101	5.026	5.025	0.001	99	25072	0.0800	0.0805	
21 Acrolein	56	5.042	5.040	0.002	89	5595	0.0800	0.1699	
22 Acetonitrile	40	5.109	5.106	0.003	97	3818	0.0800	0.0779	
23 Acetone	58	5.156	5.153	0.003	99	82498	0.2400	1.39	
24 Pentane	72	5.243	5.241	0.002	94	1475	0.0800	0.0964	
25 Isopropyl alcohol	45	5.254	5.244	0.010	93	40915	0.2400	0.2543	
26 Ethyl ether	31	5.414	5.409	0.005	96	9337	0.0800	0.0829	
27 1,1-Dichloroethene	96	5.719	5.717	0.002	95	9569	0.0800	0.0809	
28 Acrylonitrile	53	5.827	5.826	0.001	94	7765	0.0800	0.0876	
29 2-Methyl-2-propanol	59	5.853	5.835	0.018	97	15993	0.0800	0.0850	
30 1,1,2-Trichloro-1,2,2-trif	101	5.895	5.890	0.005	94	20265	0.0800	0.0810	
31 Methylene Chloride	84	6.065	6.065	0.000	98	62356	0.0800	0.0483	

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	6.078	0.003	94	8559	0.0800	0.0899	
33 Carbon disulfide	76	6.220	6.221	-0.001	98	27426	0.0800	0.0809	
34 trans-1,2-Dichloroethene	96	6.861	6.862	-0.001	97	9375	0.0800	0.0817	
35 2-Methylpentane	43	6.882	6.877	0.005	95	20666	0.0800	0.0841	
36 Methyl tert-butyl ether	73	7.011	6.994	0.017	93	22692	0.0800	0.0818	
37 1,1-Dichloroethane	63	7.275	7.282	-0.007	100	17631	0.0800	0.0790	
38 Vinyl acetate	43	7.388	7.387	0.001	100	23326	0.0800	0.0745	
39 2-Butanone (MEK)	72	7.843	7.836	0.007	94	9355	0.0800	0.1639	
40 Hexane	56	7.853	7.852	0.001	59	8050	0.0800	0.0883	
41 Isopropyl ether	45	8.024	8.016	0.008	100	34960	0.0800	0.0868	
42 cis-1,2-Dichloroethene	96	8.257	8.261	-0.004	96	9912	0.0800	0.0815	
43 Ethyl acetate	43	8.463	8.452	0.011	99	20657	0.0800	0.0780	
44 Chloroform	83	8.603	8.605	-0.002	92	21503	0.0800	0.0812	
45 Tert-butyl ethyl ether	59	8.701	8.692	0.009	96	27335	0.0800	0.0790	
46 Tetrahydrofuran	42	9.022	9.012	0.010	96	10195	0.0800	0.0820	
47 1,1,1-Trichloroethane	97	9.626	9.628	-0.002	98	20448	0.0800	0.0815	
48 1,2-Dichloroethane	62	9.735	9.743	-0.008	97	13181	0.0800	0.0788	
50 Cyclohexane	69	10.236	10.232	0.004	72	5208	0.0800	0.1004	
51 Benzene	78	10.236	10.237	-0.001	97	28308	0.0800	0.0812	
49 n-Butanol	31	10.226	10.209	0.017	50	3803	0.0800	0.0898	
52 Carbon tetrachloride	117	10.257	10.258	-0.001	95	17238	0.0800	0.0741	
53 2,3-Dimethylpentane	71	10.355	10.357	-0.002	91	6640	0.0800	0.0897	
54 Thiophene	84	10.515	10.518	-0.003	96	16123	0.0800	0.0792	
55 Isooctane	57	11.011	11.010	0.001	98	46571	0.0800	0.0828	
56 n-Heptane	71	11.394	11.396	-0.002	92	9553	0.0800	0.0855	
57 1,2-Dichloropropane	63	11.476	11.482	-0.006	93	11662	0.0800	0.0830	
58 Trichloroethene	130	11.518	11.518	0.000	93	11724	0.0800	0.0806	
59 Dibromomethane	93	11.601	11.605	-0.004	95	13305	0.0800	0.0839	
60 Dichlorobromomethane	83	11.750	11.753	-0.003	99	20640	0.0800	0.0779	
61 1,4-Dioxane	88	11.787	11.775	0.012	87	4067	0.0800	0.0797	
62 Methyl methacrylate	41	11.854	11.853	0.001	94	11801	0.0800	0.0792	
63 Methylcyclohexane	83	12.293	12.294	-0.001	94	16956	0.0800	0.0800	
64 4-Methyl-2-pentanone (MIBK	43	12.727	12.715	0.012	96	24825	0.0800	0.0865	
65 cis-1,3-Dichloropropene	75	12.769	12.769	0.000	94	15206	0.0800	0.0764	
66 trans-1,3-Dichloropropene	75	13.477	13.475	0.002	97	13230	0.0800	0.0756	
67 Toluene	91	13.596	13.593	0.003	93	33661	0.0800	0.0850	
68 1,1,2-Trichloroethane	83	13.673	13.674	-0.001	97	11106	0.0800	0.0842	
69 2-Hexanone	58	14.066	14.062	0.004	92	11590	0.0800	0.0849	
70 n-Octane	85	14.288	14.289	-0.001	94	9950	0.0800	0.0861	
71 Chlorodibromomethane	129	14.376	14.378	-0.002	98	18460	0.0800	0.0764	
72 Ethylene Dibromide	107	14.671	14.671	0.000	98	18147	0.0800	0.0782	
73 Tetrachloroethene	129	14.743	14.743	0.000	95	11687	0.0800	0.0827	
74 Chlorobenzene	112	15.622	15.625	-0.003	95	24552	0.0800	0.0815	
75 2,3-Dimethylheptane	43	15.642	15.644	-0.002	95	33304	0.0800	0.0937	
76 Ethylbenzene	91	15.916	15.917	-0.001	99	41838	0.0800	0.0826	
77 m-Xylene & p-Xylene	91	16.076	16.077	-0.001	99	66529	0.1600	0.1726	
78 n-Nonane	57	16.500	16.500	0.000	93	22803	0.0800	0.0880	
79 Bromoform	173	16.526	16.527	-0.001	93	16599	0.0800	0.0839	
80 Styrene	104	16.547	16.545	0.002	98	22413	0.0800	0.0823	
81 o-Xylene	91	16.604	16.604	0.000	98	34561	0.0800	0.0864	
82 1,1,2,2-Tetrachloroethane	83	16.929	16.933	-0.004	99	28719	0.0800	0.0865	
83 1,2,3-Trichloropropane	110	17.089	17.091	-0.002	99	6536	0.0800	0.0852	

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	17.194	-0.001	97	46591	0.0800	0.0885	
85 N-Propylbenzene	120	17.756	17.757	-0.001	98	11970	0.0800	0.0836	
86 2-Chlorotoluene	126	17.803	17.803	0.000	96	11309	0.0800	0.0833	
87 4-Ethyltoluene	105	17.916	17.916	0.000	99	45074	0.0800	0.0832	
88 1,3,5-Trimethylbenzene	120	17.994	17.994	0.000	90	18274	0.0800	0.0852	
89 Alpha Methyl Styrene	118	18.237	18.238	-0.001	87	17503	0.0800	0.0814	
90 n-Decane	57	18.299	18.300	-0.001	89	31813	0.0800	0.0953	
91 tert-Butylbenzene	119	18.443	18.442	0.001	91	41348	0.0800	0.0926	
92 1,2,4-Trimethylbenzene	105	18.454	18.455	-0.001	97	40432	0.0800	0.0904	
93 sec-Butylbenzene	105	18.723	18.724	-0.001	98	59435	0.0800	0.0924	
94 1,3-Dichlorobenzene	146	18.738	18.740	-0.002	98	24913	0.0800	0.0880	
95 Benzyl chloride	91	18.821	18.821	0.000	96	21842	0.0800	0.0674	
96 1,4-Dichlorobenzene	146	18.831	18.832	-0.001	94	24199	0.0800	0.0870	
97 4-Isopropyltoluene	119	18.893	18.893	0.000	96	46659	0.0800	0.0923	
98 1,2,3-Trimethylbenzene	105	18.950	18.950	0.000	99	41045	0.0800	0.0914	
99 Butylcyclohexane	83	19.007	19.007	0.000	92	35712	0.0800	0.0970	
101 2,3-Dihydroindene	117	19.203	19.207	-0.004	93	37267	0.0800	0.0924	
100 1,2-Dichlorobenzene	146	19.208	19.208	0.000	85	26053	0.0800	0.0922	
102 Indene	116	19.343	19.343	0.000	88	30667	0.0800	0.0867	
103 n-Butylbenzene	91	19.348	19.348	0.000	97	51825	0.0800	0.0978	
104 Undecane	57	19.674	19.673	0.001	96	39722	0.0800	0.1116	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.834	0.000	92	12689	0.0800	0.0825	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	96	51265	0.0800	0.1041	
107 Dodecane	57	20.764	20.765	-0.001	95	51914	0.0800	0.1562	
108 1,2,4-Trichlorobenzene	180	20.966	20.968	-0.002	94	22123	0.0800	0.1004	
109 Naphthalene	128	21.116	21.114	0.002	99	60115	0.0800	0.1143	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	91	37687	0.0800	0.0932	
111 1,2,3-Trichlorobenzene	180	21.410	21.411	-0.001	93	29954	0.0800	0.1152	
112 2-Methylnaphthalene	142	22.061	22.061	0.000	96	10938	0.0800	0.1295	
113 1-Methylnaphthalene	142	22.191	22.191	0.000	98	21435	0.0800	0.1795	
A 115 C8 Range	1	14.293	(14.247-14.329)		0	161407	0.0800	0.1443	
S 116 Xylenes, Total	100				0		0.2400	0.2590	
S 117 1,2-Dichloroethene, Total	1				0		0.1600	0.1632	

Reagents:

40L1-3DQP_00024	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

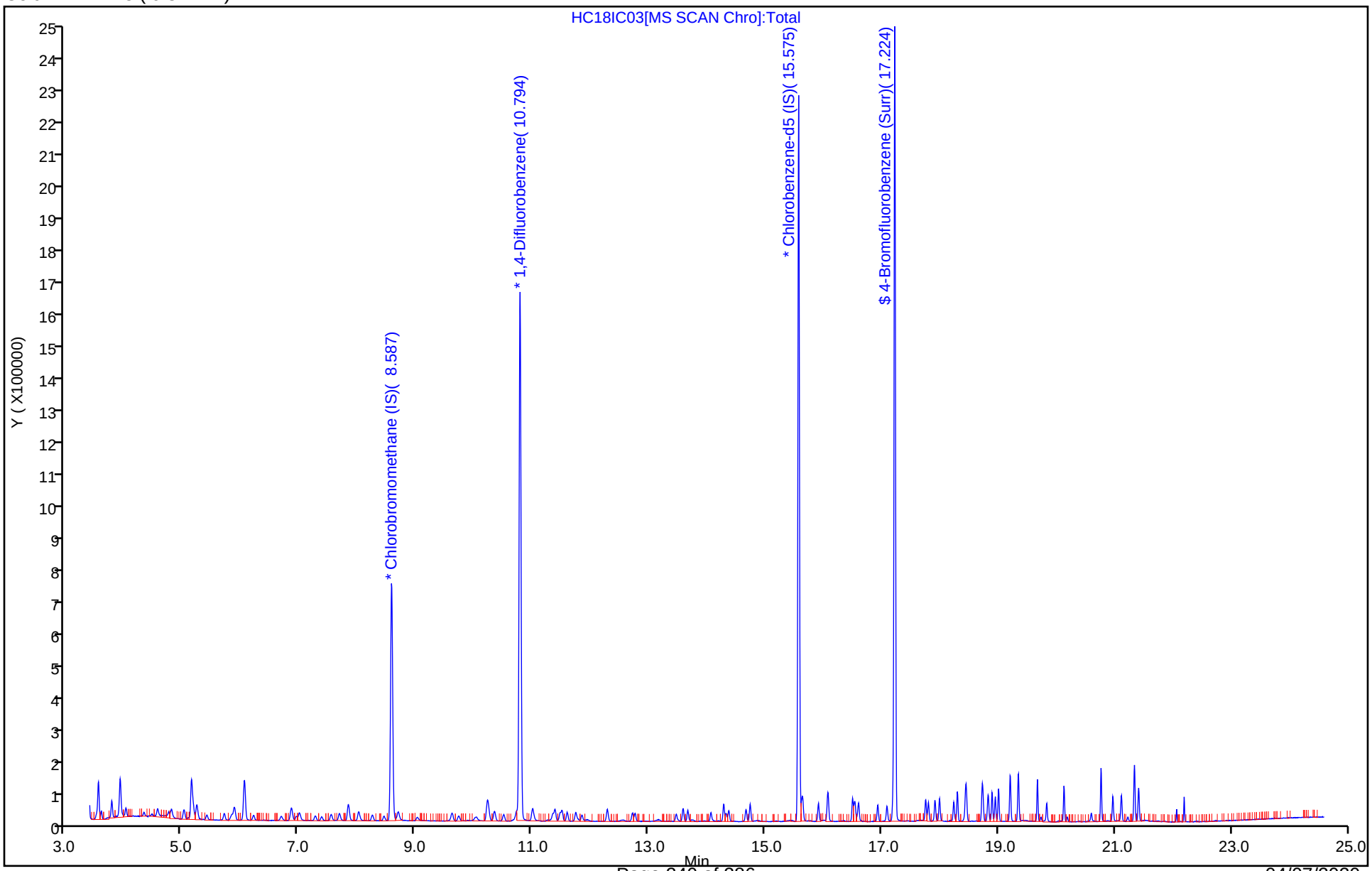
Report Date: 18-Mar-2020 15:36:56 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC03.D

Injection Date:	18-Mar-2020 04:18:30	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)

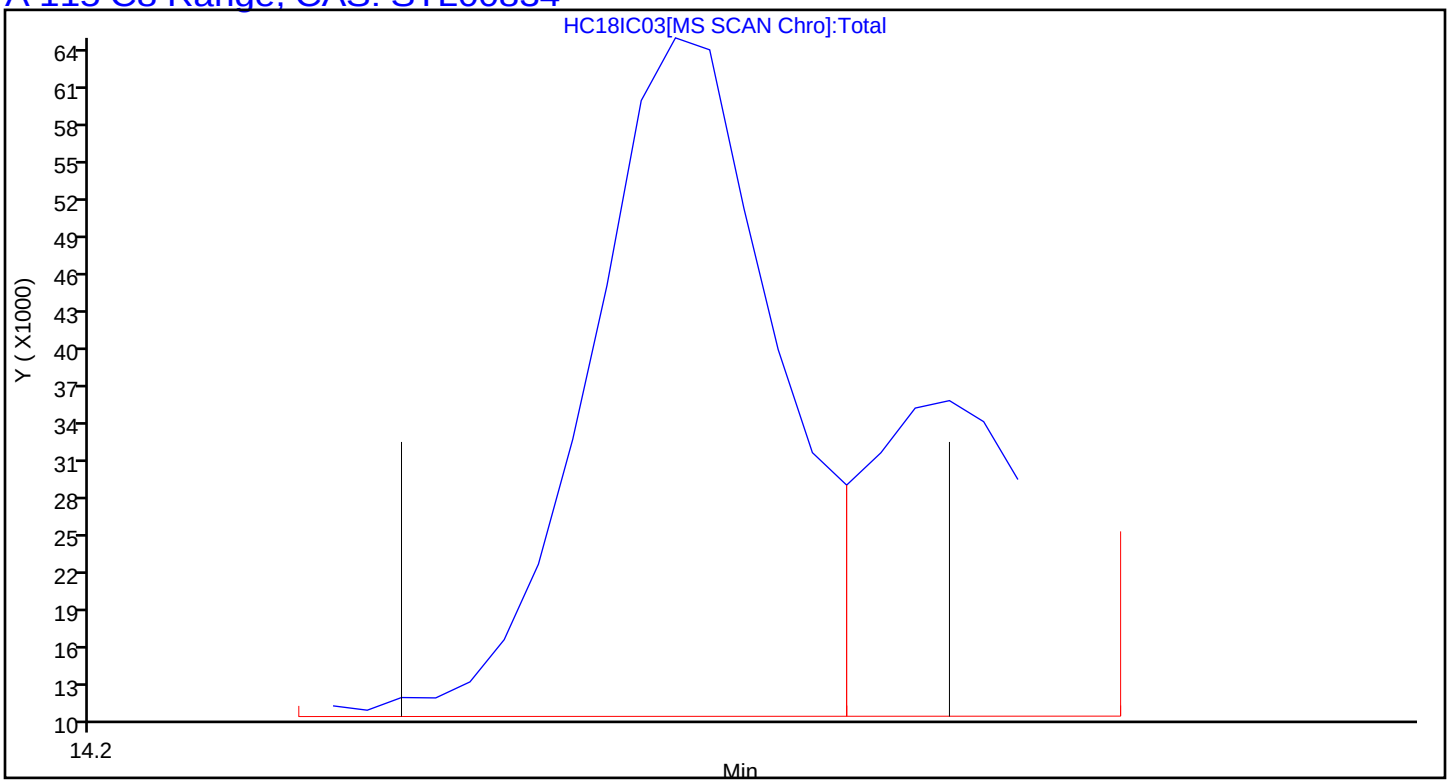


Report Date: 18-Mar-2020 15:36:56 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC03.D				
Injection Date:	18-Mar-2020 04:18:30	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: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC04.D
Lims ID: IC L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 18-Mar-2020 05:12:30 ALS Bottle#: 2 Worklist Smp#: 6
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014958-006
Misc. Info.: 285631
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Mar-2020 15:37:04 Calib Date: 18-Mar-2020 11:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0318

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	8.592	-0.005	97	245979	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.794	10.797	-0.003	95	1641193	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.576	-0.001	88	1335332	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.224	17.225	-0.001	89	928443	4.00	4.10	
6 Chlorodifluoromethane	51	3.548	3.547	0.001	97	32761	0.1600	0.1534	
7 Propene	41	3.558	3.557	0.001	99	63585	0.1600	0.1081	
8 Dichlorodifluoromethane	85	3.605	3.606	-0.001	100	47357	0.1600	0.1502	
9 Chloromethane	52	3.781	3.781	0.000	56	5370	0.1600	0.1855	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.786	3.787	-0.001	94	28837	0.1600	0.1599	
11 Acetaldehyde	44	3.936	3.931	0.005	97	60997	0.8000	1.55	
12 Vinyl chloride	62	3.946	3.946	0.000	99	16221	0.1600	0.1597	
13 Butane	43	4.029	4.029	0.000	83	21234	0.1600	0.1662	
14 Butadiene	54	4.029	4.029	0.000	71	12182	0.1600	0.1630	
15 Bromomethane	94	4.339	4.340	-0.001	97	16665	0.1600	0.1572	
16 Chloroethane	64	4.473	4.474	-0.001	98	7882	0.1600	0.1657	
17 Ethanol	31	4.571	4.573	-0.002	92	30565	0.8000	0.8546	
18 Vinyl bromide	106	4.763	4.764	-0.001	98	15666	0.1600	0.1563	
19 2-Methylbutane	43	4.814	4.811	0.003	90	19100	0.1600	0.1778	
20 Trichlorofluoromethane	101	5.021	5.025	-0.004	99	48438	0.1600	0.1556	
21 Acrolein	56	5.047	5.040	0.007	75	5018	0.1600	0.1548	
22 Acetonitrile	40	5.109	5.106	0.003	100	7570	0.1600	0.1544	
23 Acetone	58	5.155	5.153	0.002	98	50624	0.4800	0.8549	
24 Pentane	72	5.238	5.241	-0.003	93	2571	0.1600	0.1680	
25 Isopropyl alcohol	45	5.243	5.244	-0.001	91	74642	0.4800	0.4639	
26 Ethyl ether	31	5.414	5.409	0.005	96	18030	0.1600	0.1600	
27 1,1-Dichloroethene	96	5.719	5.717	0.002	97	17743	0.1600	0.1500	
28 Acrylonitrile	53	5.827	5.826	0.001	93	13547	0.1600	0.1528	
29 2-Methyl-2-propanol	59	5.838	5.835	0.003	94	29363	0.1600	0.1560	
30 1,1,2-Trichloro-1,2,2-trif	101	5.889	5.890	-0.001	95	39525	0.1600	0.1580	
31 Methylene Chloride	84	6.065	6.065	0.000	97	70348	0.1600	0.1275	
32 3-Chloro-1-propene	39	6.075	6.078	-0.003	96	16718	0.1600	0.1757	

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	6.221	-0.001	98	54378	0.1600	0.1604	
34 trans-1,2-Dichloroethene	96	6.861	6.862	-0.001	98	17806	0.1600	0.1552	
35 2-Methylpentane	43	6.877	6.877	-0.001	96	40040	0.1600	0.1630	
36 Methyl tert-butyl ether	73	6.995	6.994	0.001	96	42931	0.1600	0.1548	
37 1,1-Dichloroethane	63	7.280	7.282	-0.002	100	34619	0.1600	0.1551	
38 Vinyl acetate	43	7.388	7.387	0.001	100	45484	0.1600	0.1452	
39 2-Butanone (MEK)	72	7.843	7.836	0.007	96	10794	0.1600	0.1891	
40 Hexane	56	7.853	7.852	0.001	77	14791	0.1600	0.1622	
41 Isopropyl ether	45	8.019	8.016	0.003	99	64142	0.1600	0.1593	
42 cis-1,2-Dichloroethene	96	8.256	8.261	-0.005	96	19216	0.1600	0.1580	
43 Ethyl acetate	43	8.453	8.452	0.001	99	41071	0.1600	0.1551	
44 Chloroform	83	8.603	8.605	-0.002	93	40811	0.1600	0.1540	
45 Tert-butyl ethyl ether	59	8.696	8.692	0.004	96	52276	0.1600	0.1510	
46 Tetrahydrofuran	42	9.021	9.012	0.009	94	19605	0.1600	0.1576	
47 1,1,1-Trichloroethane	97	9.631	9.628	0.003	96	38947	0.1600	0.1551	
48 1,2-Dichloroethane	62	9.740	9.743	-0.003	97	25228	0.1600	0.1513	
49 n-Butanol	31	10.220	10.209	0.011	51	6327	0.1600	0.1499	
50 Cyclohexane	69	10.231	10.232	-0.001	75	8902	0.1600	0.1722	
51 Benzene	78	10.236	10.237	-0.001	97	54597	0.1600	0.1571	
52 Carbon tetrachloride	117	10.257	10.258	-0.001	96	37621	0.1600	0.1622	
53 2,3-Dimethylpentane	71	10.355	10.357	-0.002	90	11492	0.1600	0.1556	
54 Thiophene	84	10.515	10.518	-0.003	97	31284	0.1600	0.1541	
55 Isooctane	57	11.011	11.010	0.001	98	88223	0.1600	0.1573	
56 n-Heptane	71	11.394	11.396	-0.002	92	17344	0.1600	0.1557	
57 1,2-Dichloropropane	63	11.482	11.482	0.000	93	21933	0.1600	0.1566	
58 Trichloroethene	130	11.513	11.518	-0.005	94	21605	0.1600	0.1490	
59 Dibromomethane	93	11.606	11.605	0.001	96	24987	0.1600	0.1580	
60 Dichlorobromomethane	83	11.750	11.753	-0.003	99	40160	0.1600	0.1521	
61 1,4-Dioxane	88	11.786	11.775	0.011	91	7988	0.1600	0.1570	
62 Methyl methacrylate	41	11.854	11.853	0.001	94	22491	0.1600	0.1514	
63 Methylcyclohexane	83	12.293	12.294	-0.001	95	31947	0.1600	0.1511	
64 4-Methyl-2-pentanone (MIBK	43	12.717	12.715	0.002	96	43375	0.1600	0.1516	
65 cis-1,3-Dichloropropene	75	12.768	12.769	-0.001	94	28979	0.1600	0.1461	
66 trans-1,3-Dichloropropene	75	13.471	13.475	-0.004	98	25281	0.1600	0.1447	
67 Toluene	91	13.590	13.593	-0.003	93	62863	0.1600	0.1589	
68 1,1,2-Trichloroethane	83	13.673	13.674	-0.001	97	20955	0.1600	0.1591	
69 2-Hexanone	58	14.066	14.062	0.004	92	19854	0.1600	0.1456	
70 n-Octane	85	14.288	14.289	-0.001	94	18080	0.1600	0.1567	
71 Chlorodibromomethane	129	14.376	14.378	-0.002	97	35495	0.1600	0.1472	
72 Ethylene Dibromide	107	14.670	14.671	-0.001	98	34933	0.1600	0.1507	
73 Tetrachloroethene	129	14.743	14.743	0.000	95	22301	0.1600	0.1581	
74 Chlorobenzene	112	15.621	15.625	-0.004	94	46487	0.1600	0.1546	
75 2,3-Dimethylheptane	43	15.642	15.644	-0.002	95	60280	0.1600	0.1699	
76 Ethylbenzene	91	15.916	15.917	-0.001	99	79724	0.1600	0.1577	
77 m-Xylene & p-Xylene	91	16.076	16.077	-0.001	99	123404	0.3200	0.3206	
78 n-Nonane	57	16.500	16.500	0.000	92	41840	0.1600	0.1617	
79 Bromoform	173	16.526	16.527	-0.001	93	32306	0.1600	0.1474	
80 Styrene	104	16.541	16.545	-0.004	99	40798	0.1600	0.1500	
81 o-Xylene	91	16.603	16.604	-0.001	98	64566	0.1600	0.1618	
82 1,1,2,2-Tetrachloroethane	83	16.934	16.933	0.001	98	51147	0.1600	0.1543	
83 1,2,3-Trichloropropane	110	17.089	17.091	-0.002	98	11853	0.1600	0.1547	
84 Isopropylbenzene	105	17.193	17.194	-0.001	97	83885	0.1600	0.1596	

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	17.757	-0.001	98	21472	0.1600	0.1501	
86 2-Chlorotoluene	126	17.802	17.803	-0.001	97	20854	0.1600	0.1539	
87 4-Ethyltoluene	105	17.916	17.916	0.000	98	82554	0.1600	0.1527	
88 1,3,5-Trimethylbenzene	120	17.994	17.994	0.000	91	32151	0.1600	0.1501	
89 Alpha Methyl Styrene	118	18.237	18.238	-0.001	84	29007	0.1600	0.1351	
90 n-Decane	57	18.299	18.300	-0.001	89	52482	0.1600	0.1575	
91 tert-Butylbenzene	119	18.438	18.442	-0.004	89	70775	0.1600	0.1588	
92 1,2,4-Trimethylbenzene	105	18.454	18.455	-0.001	96	70615	0.1600	0.1581	
93 sec-Butylbenzene	105	18.722	18.724	-0.002	98	103285	0.1600	0.1609	
94 1,3-Dichlorobenzene	146	18.738	18.740	-0.002	98	43447	0.1600	0.1537	
95 Benzyl chloride	91	18.821	18.821	0.000	97	36393	0.1600	0.1125	
96 1,4-Dichlorobenzene	146	18.831	18.832	-0.001	92	40956	0.1600	0.1475	
97 4-Isopropyltoluene	119	18.893	18.893	0.000	96	78719	0.1600	0.1560	
98 1,2,3-Trimethylbenzene	105	18.950	18.950	0.000	99	71548	0.1600	0.1596	
99 Butylcyclohexane	83	19.007	19.007	0.000	91	59118	0.1600	0.1609	
101 2,3-Dihydroindene	117	19.203	19.207	-0.004	92	64581	0.1600	0.1605	
100 1,2-Dichlorobenzene	146	19.208	19.208	0.000	81	43118	0.1600	0.1528	
102 Indene	116	19.343	19.343	0.000	89	51105	0.1600	0.1447	
103 n-Butylbenzene	91	19.348	19.348	0.000	97	84351	0.1600	0.1594	
104 Undecane	57	19.673	19.673	0.000	96	55333	0.1600	0.1557	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.834	0.000	92	19379	0.1600	0.1262	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	96	71702	0.1600	0.1458	
107 Dodecane	57	20.764	20.765	-0.001	96	45530	0.1600	0.1372	
108 1,2,4-Trichlorobenzene	180	20.965	20.968	-0.003	94	25973	0.1600	0.1180	
109 Naphthalene	128	21.115	21.114	0.001	99	64972	0.1600	0.1237	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	91	40154	0.1600	0.1047	
111 1,2,3-Trichlorobenzene	180	21.410	21.411	-0.001	94	30289	0.1600	0.1171	
112 2-Methylnaphthalene	142	22.061	22.061	0.000	96	7587	0.1600	0.0899	
113 1-Methylnaphthalene	142	22.190	22.190	0.000	97	14967	0.1600	0.1255	
A 115 C8 Range	1	14.293	(14.247-14.329)		0	195856	0.1600	0.1756	
S 116 Xylenes, Total	100				0		0.4800	0.4824	
S 117 1,2-Dichloroethene, Total	1				0		0.3200	0.3132	

Reagents:

40L4DQP_00016	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

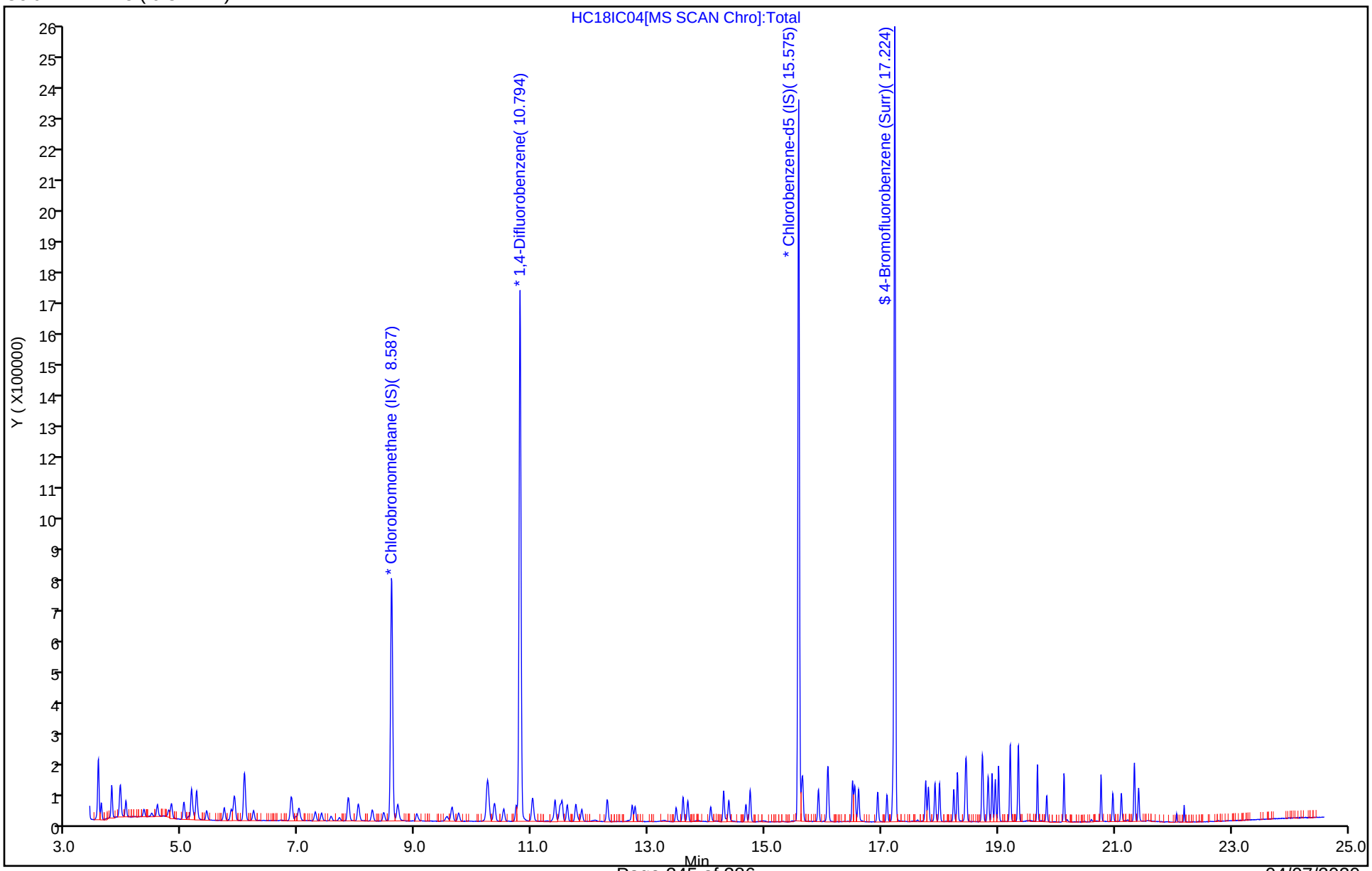
Report Date: 18-Mar-2020 15:37:06 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC04.D

Injection Date:	18-Mar-2020 05:12:30	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)

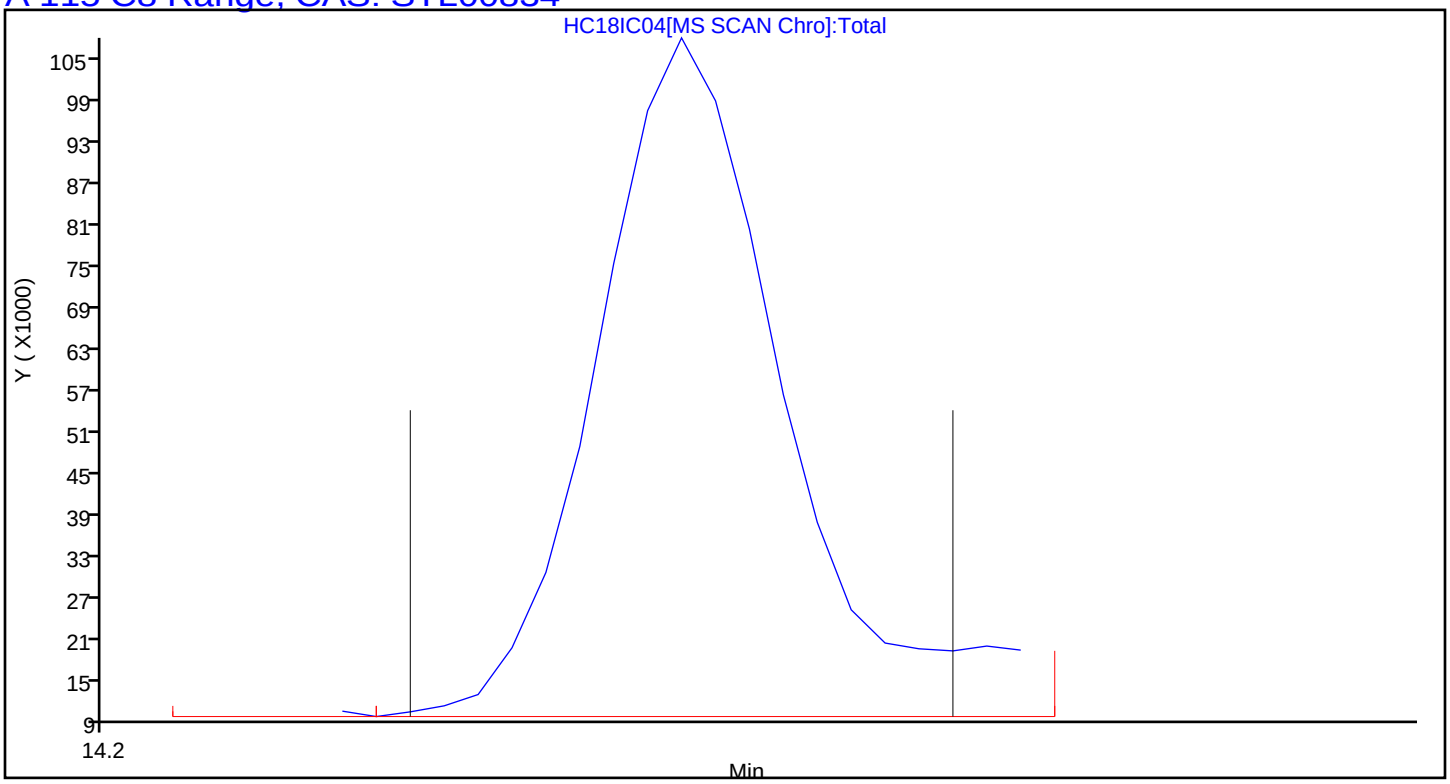


Report Date: 18-Mar-2020 15:37:06 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC04.D				
Injection Date:	18-Mar-2020 05:12:30	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: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC05.D
Lims ID: IC L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 18-Mar-2020 06:05:30 ALS Bottle#: 3 Worklist Smp#: 7
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014958-007
Misc. Info.: 285630
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Mar-2020 15:37:16 Calib Date: 18-Mar-2020 11:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0318

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	8.592	-0.005	97	237674	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.794	10.797	-0.003	95	1601915	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.576	-0.001	88	1311448	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.224	17.225	-0.001	90	912201	4.00	4.10	
6 Chlorodifluoromethane	51	3.548	3.547	0.001	96	79465	0.4000	0.3850	
7 Propene	41	3.558	3.557	0.001	99	82639	0.4000	0.3612	
8 Dichlorodifluoromethane	85	3.605	3.606	-0.001	100	118117	0.4000	0.3878	
9 Chloromethane	52	3.781	3.781	0.000	55	11493	0.4000	0.4108	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.786	3.787	-0.001	93	70374	0.4000	0.4038	
11 Acetaldehyde	44	3.931	3.931	0.000	94	101668	2.00	2.67	
12 Vinyl chloride	62	3.946	3.946	0.000	99	39561	0.4000	0.4031	
13 Butane	43	4.029	4.029	0.000	84	51645	0.4000	0.4185	
14 Butadiene	54	4.029	4.029	0.000	71	29716	0.4000	0.4116	
15 Bromomethane	94	4.339	4.340	-0.001	98	41191	0.4000	0.4021	
16 Chloroethane	64	4.473	4.474	-0.001	96	18243	0.4000	0.3968	
17 Ethanol	31	4.566	4.573	-0.007	92	72084	2.00	2.09	
18 Vinyl bromide	106	4.763	4.764	-0.001	98	38538	0.4000	0.3979	
19 2-Methylbutane	43	4.809	4.811	-0.002	88	43994	0.4000	0.4239	
20 Trichlorofluoromethane	101	5.021	5.025	-0.004	99	118769	0.4000	0.3947	
21 Acrolein	56	5.037	5.040	-0.003	92	15431	0.4000	0.4403	
22 Acetonitrile	40	5.099	5.106	-0.007	99	17487	0.4000	0.3691	
23 Acetone	58	5.150	5.153	-0.003	98	88699	1.20	1.55	
24 Pentane	72	5.238	5.241	-0.003	91	6037	0.4000	0.4083	
25 Isopropyl alcohol	45	5.238	5.244	-0.006	92	179214	1.20	1.15	
26 Ethyl ether	31	5.409	5.409	0.000	97	44360	0.4000	0.4074	
27 1,1-Dichloroethene	96	5.714	5.717	-0.003	96	44623	0.4000	0.3905	
28 Acrylonitrile	53	5.822	5.826	-0.004	96	34704	0.4000	0.4051	
29 2-Methyl-2-propanol	59	5.827	5.835	-0.008	95	68168	0.4000	0.3749	
30 1,1,2-Trichloro-1,2,2-trif	101	5.889	5.890	-0.001	95	96970	0.4000	0.4012	
31 Methylene Chloride	84	6.060	6.065	-0.005	98	93645	0.4000	0.3909	
32 3-Chloro-1-propene	39	6.070	6.078	-0.008	96	36608	0.4000	0.3981	

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	6.221	-0.001	98	131928	0.4000	0.4026	
34 trans-1,2-Dichloroethene	96	6.861	6.862	-0.001	97	44499	0.4000	0.4015	
35 2-Methylpentane	43	6.871	6.877	-0.006	95	99478	0.4000	0.4191	
36 Methyl tert-butyl ether	73	6.985	6.994	-0.009	96	106652	0.4000	0.3981	
37 1,1-Dichloroethane	63	7.280	7.282	-0.002	100	85121	0.4000	0.3946	
38 Vinyl acetate	43	7.383	7.387	-0.004	100	119718	0.4000	0.3955	
39 2-Butanone (MEK)	72	7.838	7.836	0.002	97	22617	0.4000	0.4101	
40 Hexane	56	7.848	7.852	-0.004	77	35596	0.4000	0.4040	
41 Isopropyl ether	45	8.008	8.016	-0.008	99	160010	0.4000	0.4112	
42 cis-1,2-Dichloroethene	96	8.256	8.261	-0.005	96	47339	0.4000	0.4027	
43 Ethyl acetate	43	8.448	8.452	-0.004	99	100003	0.4000	0.3909	
44 Chloroform	83	8.603	8.605	-0.002	96	100202	0.4000	0.3914	
45 Tert-butyl ethyl ether	59	8.685	8.692	-0.007	96	132699	0.4000	0.3968	
46 Tetrahydrofuran	42	9.011	9.012	-0.001	93	48012	0.4000	0.3995	
47 1,1,1-Trichloroethane	97	9.626	9.628	-0.002	96	95319	0.4000	0.3930	
48 1,2-Dichloroethane	62	9.740	9.743	-0.003	97	63250	0.4000	0.3885	
49 n-Butanol	31	10.210	10.209	0.001	81	15294	0.4000	0.3712	
50 Cyclohexane	69	10.226	10.232	-0.006	80	20278	0.4000	0.4019	
51 Benzene	78	10.236	10.237	-0.001	98	131624	0.4000	0.3880	
52 Carbon tetrachloride	117	10.257	10.258	-0.001	97	77983	0.4000	0.3445	
53 2,3-Dimethylpentane	71	10.350	10.357	-0.007	91	29308	0.4000	0.4067	
54 Thiophene	84	10.515	10.518	-0.003	96	78691	0.4000	0.3972	
55 Isooctane	57	11.006	11.010	-0.004	98	218525	0.4000	0.3993	
56 n-Heptane	71	11.394	11.396	-0.002	92	42962	0.4000	0.3950	
57 1,2-Dichloropropane	63	11.476	11.482	-0.006	93	54011	0.4000	0.3951	
58 Trichloroethene	130	11.518	11.518	0.000	93	54434	0.4000	0.3846	
59 Dibromomethane	93	11.600	11.605	-0.005	95	61496	0.4000	0.3983	
60 Dichlorobromomethane	83	11.750	11.753	-0.003	99	99349	0.4000	0.3854	
61 1,4-Dioxane	88	11.771	11.775	-0.004	87	19575	0.4000	0.3942	
62 Methyl methacrylate	41	11.854	11.853	0.001	95	56654	0.4000	0.3906	
63 Methylcyclohexane	83	12.293	12.294	-0.001	95	78461	0.4000	0.3802	
64 4-Methyl-2-pentanone (MIBK	43	12.712	12.715	-0.003	97	106422	0.4000	0.3812	
65 cis-1,3-Dichloropropene	75	12.768	12.769	-0.001	94	74981	0.4000	0.3874	
66 trans-1,3-Dichloropropene	75	13.471	13.475	-0.004	97	64998	0.4000	0.3788	
67 Toluene	91	13.590	13.593	-0.003	93	154152	0.4000	0.3968	
68 1,1,2-Trichloroethane	83	13.673	13.674	-0.001	97	52224	0.4000	0.4037	
69 2-Hexanone	58	14.061	14.062	-0.001	92	49715	0.4000	0.3713	
70 n-Octane	85	14.288	14.289	-0.001	94	45458	0.4000	0.4012	
71 Chlorodibromomethane	129	14.376	14.378	-0.002	97	90548	0.4000	0.3824	
72 Ethylene Dibromide	107	14.670	14.671	-0.001	98	89784	0.4000	0.3944	
73 Tetrachloroethene	129	14.743	14.743	0.000	95	55388	0.4000	0.3998	
74 Chlorobenzene	112	15.627	15.625	0.002	93	115092	0.4000	0.3898	
75 2,3-Dimethylheptane	43	15.642	15.644	-0.002	96	148800	0.4000	0.4271	
76 Ethylbenzene	91	15.916	15.917	-0.001	99	198737	0.4000	0.4003	
77 m-Xylene & p-Xylene	91	16.076	16.077	-0.001	99	308130	0.8000	0.8152	
78 n-Nonane	57	16.500	16.500	0.000	93	102815	0.4000	0.4045	
79 Bromoform	173	16.526	16.527	-0.001	93	84606	0.4000	0.3646	
80 Styrene	104	16.541	16.545	-0.004	99	107366	0.4000	0.4019	
81 o-Xylene	91	16.603	16.604	-0.001	98	159709	0.4000	0.4074	
82 1,1,2,2-Tetrachloroethane	83	16.934	16.933	0.001	98	131161	0.4000	0.4028	
83 1,2,3-Trichloropropane	110	17.089	17.091	-0.002	99	29268	0.4000	0.3889	
84 Isopropylbenzene	105	17.193	17.194	-0.001	98	204768	0.4000	0.3966	

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	17.757	-0.001	98	54391	0.4000	0.3873	
86 2-Chlorotoluene	126	17.802	17.803	-0.001	97	50908	0.4000	0.3826	
87 4-Ethyltoluene	105	17.916	17.916	0.000	98	205289	0.4000	0.3867	
88 1,3,5-Trimethylbenzene	120	17.994	17.994	0.000	91	80516	0.4000	0.3828	
89 Alpha Methyl Styrene	118	18.237	18.238	-0.001	86	79324	0.4000	0.3761	
90 n-Decane	57	18.299	18.300	-0.001	89	132061	0.4000	0.4036	
91 tert-Butylbenzene	119	18.438	18.442	-0.004	89	173715	0.4000	0.3968	
92 1,2,4-Trimethylbenzene	105	18.454	18.455	-0.001	96	173299	0.4000	0.3951	
93 sec-Butylbenzene	105	18.722	18.724	-0.002	98	252727	0.4000	0.4009	
94 1,3-Dichlorobenzene	146	18.738	18.740	-0.002	98	105799	0.4000	0.3811	
95 Benzyl chloride	91	18.821	18.821	0.000	97	107250	0.4000	0.3377	
96 1,4-Dichlorobenzene	146	18.831	18.832	-0.001	96	103028	0.4000	0.3777	
97 4-Isopropyltoluene	119	18.893	18.893	0.000	97	198458	0.4000	0.4004	
98 1,2,3-Trimethylbenzene	105	18.950	18.950	0.000	99	178175	0.4000	0.4048	
99 Butylcyclohexane	83	19.007	19.007	0.000	92	147454	0.4000	0.4086	
101 2,3-Dihydroindene	117	19.208	19.207	0.001	93	157464	0.4000	0.3984	
100 1,2-Dichlorobenzene	146	19.208	19.208	0.000	80	105844	0.4000	0.3819	
102 Indene	116	19.343	19.343	0.000	90	132039	0.4000	0.3806	
103 n-Butylbenzene	91	19.348	19.348	0.000	97	208742	0.4000	0.4018	
104 Undecane	57	19.673	19.673	0.000	95	141321	0.4000	0.4048	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.834	0.000	94	52463	0.4000	0.3480	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	96	176675	0.4000	0.3659	
107 Dodecane	57	20.764	20.765	-0.001	96	118560	0.4000	0.3638	
108 1,2,4-Trichlorobenzene	180	20.971	20.968	0.003	94	66013	0.4000	0.3054	
109 Naphthalene	128	21.115	21.114	0.001	99	151103	0.4000	0.2929	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	91	94907	0.4000	0.3613	
111 1,2,3-Trichlorobenzene	180	21.410	21.411	-0.001	93	71671	0.4000	0.3248	
112 2-Methylnaphthalene	142	22.061	22.061	0.000	99	17373	0.4000	0.2097	
113 1-Methylnaphthalene	142	22.190	22.190	0.000	99	31518	0.4000	0.2691	
A 115 C8 Range	1	14.288	(14.247-14.350)		0	445339	0.4000	0.4091	
S 116 Xylenes, Total	100				0		1.20	1.22	
S 117 1,2-Dichloroethene, Total	1				0		0.8000	0.8042	

Reagents:

40L5DQP_00017	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

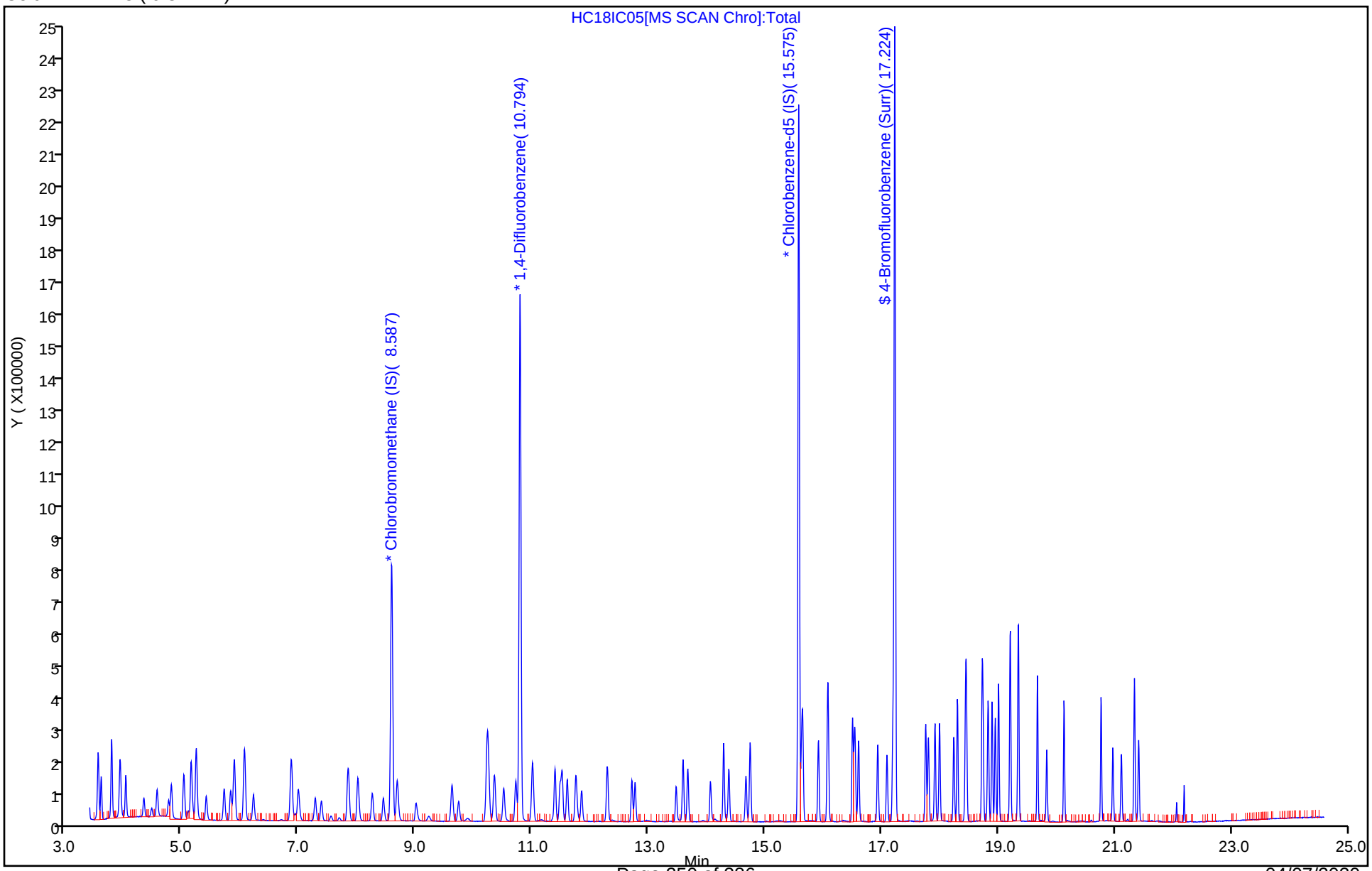
Report Date: 18-Mar-2020 15:37:18 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC05.D

Injection Date:	18-Mar-2020 06:05:30	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)

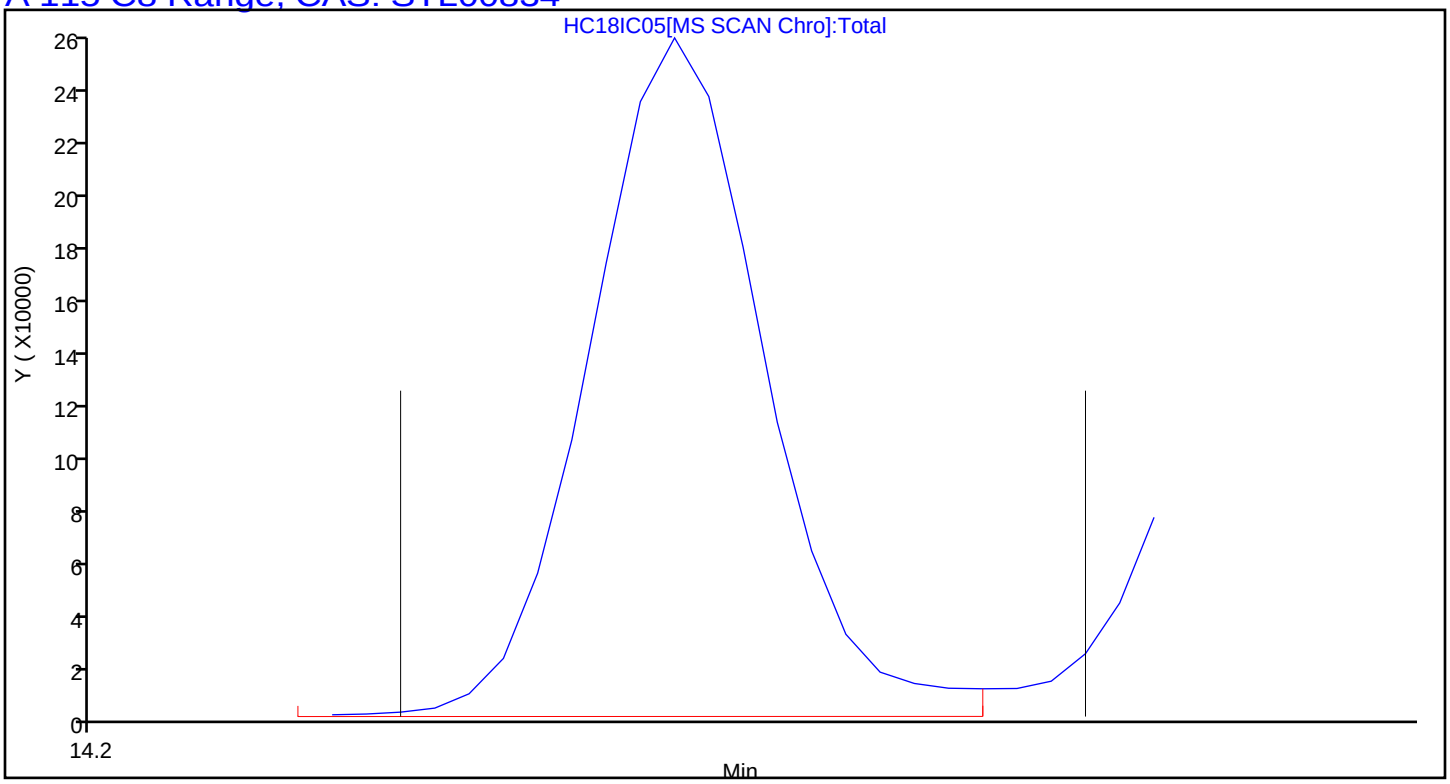


Report Date: 18-Mar-2020 15:37:18 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC05.D				
Injection Date:	18-Mar-2020 06:05:30	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: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC06.D
Lims ID: IC L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 18-Mar-2020 06:58:30 ALS Bottle#: 4 Worklist Smp#: 8
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014958-008
Misc. Info.: 285629
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Mar-2020 15:37:26 Calib Date: 18-Mar-2020 11:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: tajh Date: 18-Mar-2020 07:47:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.587	8.592	-0.005	97	232293	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.794	10.797	-0.003	95	1553812	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.576	-0.001	88	1282258	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.224	17.225	-0.001	89	888728	4.00	4.09	
6 Chlorodifluoromethane	51	3.543	3.547	-0.004	97	197847	1.00	0.9808	
7 Propene	41	3.553	3.557	-0.004	98	132192	1.00	0.9894	
8 Dichlorodifluoromethane	85	3.605	3.606	-0.001	100	295146	1.00	0.99	
9 Chloromethane	52	3.776	3.781	-0.005	98	26625	1.00	0.9738	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.781	3.787	-0.006	97	169816	1.00	1.00	
11 Acetaldehyde	44	3.925	3.931	-0.006	93	206281	5.00	5.55	
12 Vinyl chloride	62	3.941	3.946	-0.005	99	97593	1.00	1.02	
13 Butane	43	4.024	4.029	-0.005	83	127179	1.00	1.05	
14 Butadiene	54	4.024	4.029	-0.005	72	73991	1.00	1.05	
15 Bromomethane	94	4.334	4.340	-0.006	99	101095	1.00	1.01	
16 Chloroethane	64	4.468	4.474	-0.006	96	44330	1.00	0.9866	
17 Ethanol	31	4.561	4.573	-0.012	91	167474	5.00	4.96	
18 Vinyl bromide	106	4.758	4.764	-0.006	98	95510	1.00	1.01	
19 2-Methylbutane	43	4.804	4.811	-0.007	90	103786	1.00	1.02	
20 Trichlorofluoromethane	101	5.021	5.025	-0.004	99	297194	1.00	1.01	
21 Acrolein	56	5.032	5.040	-0.008	91	34630	1.00	0.9800	
22 Acetonitrile	40	5.099	5.106	-0.007	99	48873	1.00	1.06	
23 Acetone	58	5.145	5.153	-0.008	98	185541	3.00	3.32	
25 Isopropyl alcohol	45	5.223	5.244	-0.021	94	441366	3.00	2.90	
24 Pentane	72	5.238	5.241	-0.003	96	15310	1.00	1.06	
26 Ethyl ether	31	5.398	5.409	-0.011	97	113846	1.00	1.07	
27 1,1-Dichloroethene	96	5.714	5.717	-0.003	96	110188	1.00	0.9866	
28 Acrylonitrile	53	5.817	5.826	-0.009	95	86738	1.00	1.04	
29 2-Methyl-2-propanol	59	5.812	5.835	-0.023	96	175745	1.00	0.9888	
30 1,1,2-Trichloro-1,2,2-trif	101	5.884	5.890	-0.006	95	242070	1.00	1.02	
31 Methylene Chloride	84	6.060	6.065	-0.005	98	153763	1.00	1.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.076	6.078	-0.002	95	94615	1.00	1.05	
33 Carbon disulfide	76	6.215	6.221	-0.006	98	330570	1.00	1.03	
34 trans-1,2-Dichloroethene	96	6.856	6.862	-0.006	97	110823	1.00	1.02	
35 2-Methylpentane	43	6.871	6.877	-0.006	95	244964	1.00	1.06	
36 Methyl tert-butyl ether	73	6.980	6.994	-0.014	97	268673	1.00	1.03	
37 1,1-Dichloroethane	63	7.280	7.282	-0.002	100	211653	1.00	1.00	
38 Vinyl acetate	43	7.383	7.387	-0.004	100	307025	1.00	1.04	
39 2-Butanone (MEK)	72	7.828	7.836	-0.008	96	54040	1.00	1.00	
40 Hexane	56	7.848	7.852	-0.004	85	88449	1.00	1.03	
41 Isopropyl ether	45	8.003	8.016	-0.013	99	393981	1.00	1.04	
42 cis-1,2-Dichloroethene	96	8.257	8.261	-0.004	96	115401	1.00	1.00	
43 Ethyl acetate	43	8.443	8.452	-0.009	99	258651	1.00	1.03	
44 Chloroform	83	8.603	8.605	-0.002	96	248563	1.00	0.99	
45 Tert-butyl ethyl ether	59	8.680	8.692	-0.012	96	333779	1.00	1.02	
46 Tetrahydrofuran	42	8.996	9.012	-0.016	94	120729	1.00	1.03	
47 1,1,1-Trichloroethane	97	9.626	9.628	-0.002	97	237707	1.00	1.00	
48 1,2-Dichloroethane	62	9.740	9.743	-0.003	97	158304	1.00	1.00	
49 n-Butanol	31	10.195	10.209	-0.014	90	37620	1.00	0.9412	
50 Cyclohexane	69	10.226	10.232	-0.006	93	50641	1.00	1.03	
51 Benzene	78	10.231	10.237	-0.006	98	329564	1.00	1.00	
52 Carbon tetrachloride	117	10.257	10.258	-0.001	97	235721	1.00	1.07	
53 2,3-Dimethylpentane	71	10.355	10.357	-0.002	91	71217	1.00	1.02	
54 Thiophene	84	10.515	10.518	-0.003	96	194383	1.00	1.01	
55 Isooctane	57	11.006	11.010	-0.004	98	545516	1.00	1.03	
56 n-Heptane	71	11.394	11.396	-0.002	91	107298	1.00	1.02	
57 1,2-Dichloropropane	63	11.482	11.482	0.000	93	135036	1.00	1.02	
58 Trichloroethene	130	11.518	11.518	0.000	93	136266	1.00	0.99	
59 Dibromomethane	93	11.601	11.605	-0.005	96	151587	1.00	1.01	
60 Dichlorobromomethane	83	11.750	11.753	-0.003	99	253768	1.00	1.01	
61 1,4-Dioxane	88	11.766	11.775	-0.009	92	48048	1.00	1.00	
62 Methyl methacrylate	41	11.849	11.853	-0.004	95	143672	1.00	1.02	
63 Methylcyclohexane	83	12.293	12.294	-0.001	95	192491	1.00	0.9616	
64 4-Methyl-2-pentanone (MIBK	43	12.707	12.715	-0.008	97	276115	1.00	1.02	
65 cis-1,3-Dichloropropene	75	12.769	12.769	0.000	94	192531	1.00	1.03	
66 trans-1,3-Dichloropropene	75	13.471	13.475	-0.004	98	171574	1.00	1.02	
67 Toluene	91	13.590	13.593	-0.003	93	386086	1.00	1.02	
68 1,1,2-Trichloroethane	83	13.673	13.674	-0.001	97	129104	1.00	1.02	
69 2-Hexanone	58	14.055	14.062	-0.007	92	132431	1.00	1.01	
70 n-Octane	85	14.288	14.289	-0.001	94	114406	1.00	1.03	
71 Chlorodibromomethane	129	14.376	14.378	-0.002	98	242193	1.00	1.05	
72 Ethylene Dibromide	107	14.671	14.671	0.000	98	228019	1.00	1.02	
73 Tetrachloroethene	129	14.743	14.743	0.000	95	135889	1.00	1.00	
74 Chlorobenzene	112	15.622	15.625	-0.003	93	288435	1.00	1.00	
75 2,3-Dimethylheptane	43	15.642	15.644	-0.002	96	371066	1.00	1.09	
76 Ethylbenzene	91	15.916	15.917	-0.001	99	499792	1.00	1.03	
77 m-Xylene & p-Xylene	91	16.076	16.077	-0.001	99	768350	2.00	2.08	
78 n-Nonane	57	16.500	16.500	0.000	92	258390	1.00	1.04	
79 Bromoform	173	16.526	16.527	-0.001	93	245882	1.00	1.05	
80 Styrene	104	16.541	16.545	-0.004	99	273034	1.00	1.05	
81 o-Xylene	91	16.603	16.604	-0.001	98	394694	1.00	1.03	
82 1,1,2,2-Tetrachloroethane	83	16.929	16.933	-0.004	98	329709	1.00	1.04	
83 1,2,3-Trichloropropane	110	17.089	17.091	-0.002	99	74785	1.00	1.02	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.193	17.194	-0.001	97	512919	1.00	1.02	
85 N-Propylbenzene	120	17.756	17.757	-0.001	98	138486	1.00	1.01	
86 2-Chlorotoluene	126	17.803	17.803	0.000	97	130313	1.00	1.00	
87 4-Ethyltoluene	105	17.916	17.916	0.000	99	525448	1.00	1.01	
88 1,3,5-Trimethylbenzene	120	17.994	17.994	0.000	91	201669	1.00	0.9807	
89 Alpha Methyl Styrene	118	18.237	18.238	-0.001	86	205376	1.00	1.00	
90 n-Decane	57	18.299	18.300	-0.001	89	337862	1.00	1.06	
91 tert-Butylbenzene	119	18.438	18.442	-0.004	92	437745	1.00	1.02	
92 1,2,4-Trimethylbenzene	105	18.454	18.455	-0.001	97	436685	1.00	1.02	
93 sec-Butylbenzene	105	18.723	18.724	-0.001	98	635730	1.00	1.03	
94 1,3-Dichlorobenzene	146	18.738	18.740	-0.002	98	273157	1.00	1.01	
95 Benzyl chloride	91	18.821	18.821	0.000	97	301170	1.00	0.9699	
96 1,4-Dichlorobenzene	146	18.831	18.832	-0.001	94	262731	1.00	0.9852	
97 4-Isopropyltoluene	119	18.893	18.893	0.000	97	494464	1.00	1.02	
98 1,2,3-Trimethylbenzene	105	18.950	18.950	0.000	99	441444	1.00	1.03	
99 Butylcyclohexane	83	19.007	19.007	0.000	92	364774	1.00	1.03	
101 2,3-Dihydroindene	117	19.208	19.207	0.001	93	398136	1.00	1.03	
100 1,2-Dichlorobenzene	146	19.203	19.208	-0.005	81	269513	1.00	0.99	
102 Indene	116	19.343	19.343	0.000	89	337269	1.00	0.99	
103 n-Butylbenzene	91	19.348	19.348	0.000	97	530178	1.00	1.04	
104 Undecane	57	19.674	19.673	0.001	95	363771	1.00	1.07	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.834	0.000	97	147762	1.00	1.00	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	96	456878	1.00	0.9677	
107 Dodecane	57	20.764	20.765	-0.001	96	320975	1.00	1.01	
108 1,2,4-Trichlorobenzene	180	20.966	20.968	-0.002	94	187935	1.00	0.8893	
109 Naphthalene	128	21.110	21.114	-0.004	99	410893	1.00	0.8146	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	91	237631	1.00	1.05	
111 1,2,3-Trichlorobenzene	180	21.410	21.411	-0.001	93	194293	1.00	0.9544	
112 2-Methylnaphthalene	142	22.061	22.061	0.000	98	64203	1.00	0.7926	
113 1-Methylnaphthalene	142	22.191	22.190	0.000	98	105837	1.00	0.9243	
A 115 C8 Range	1	14.288	(14.236-14.340)		0	1079961	1.00	1.02	
S 116 Xylenes, Total	100				0		3.00	3.11	
S 117 1,2-Dichloroethene, Total	1				0		2.00	2.03	

Reagents:

40L6DQP_00016	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

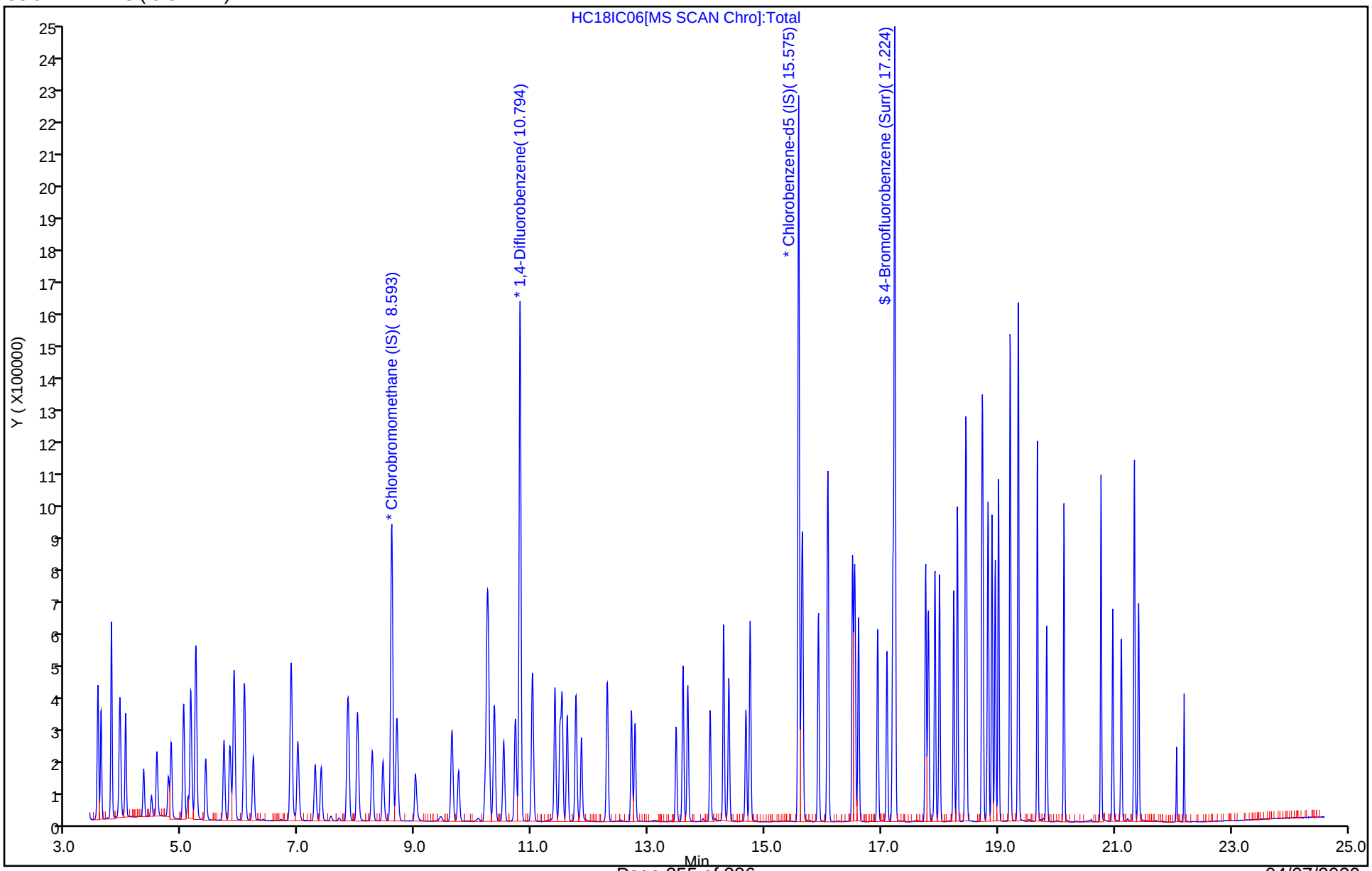
Report Date: 18-Mar-2020 15:37:27 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC06.D

Injection Date:	18-Mar-2020 06:58:30	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)

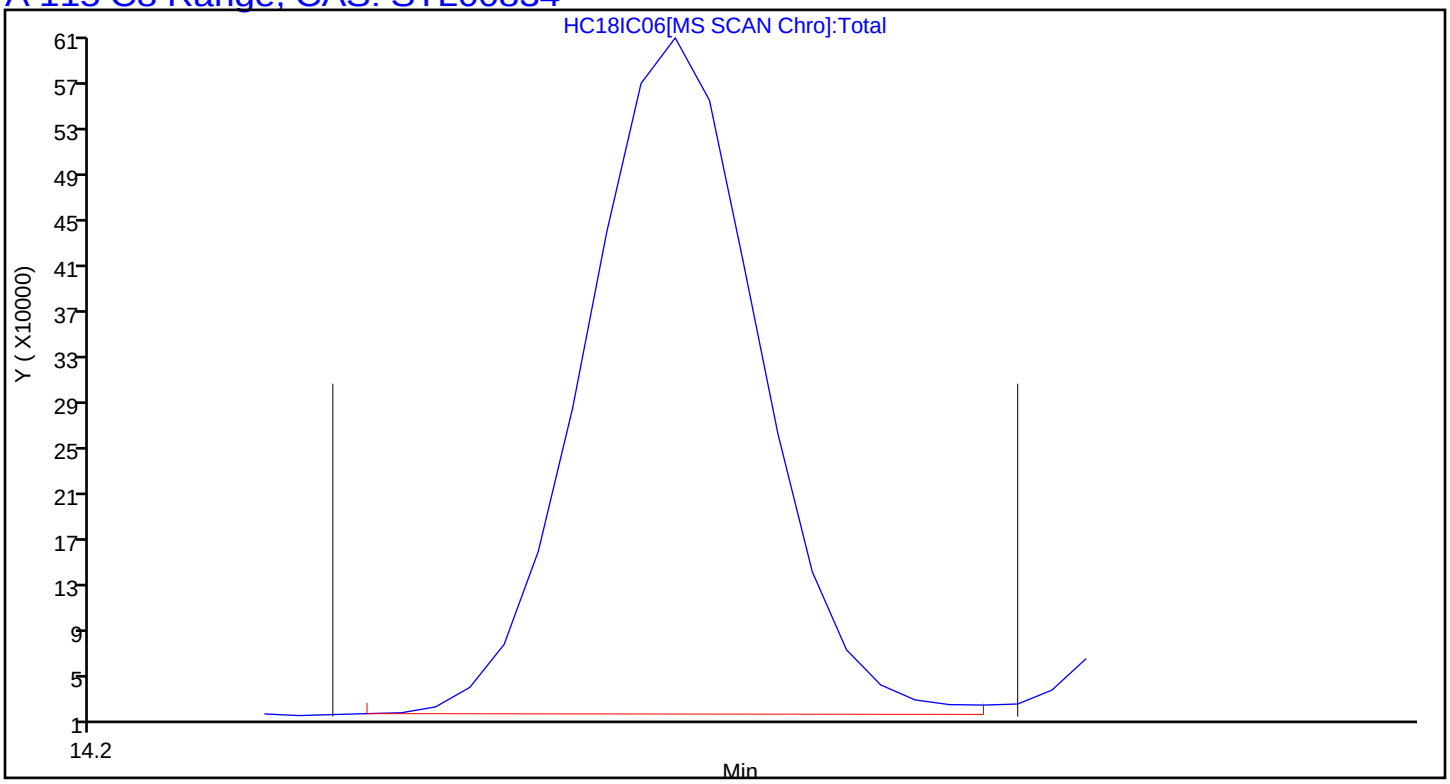


Report Date: 18-Mar-2020 15:37:27 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC06.D				
Injection Date:	18-Mar-2020 06:58:30	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: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC07.D
Lims ID: ICIS L7
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 18-Mar-2020 07:51:30 ALS Bottle#: 5 Worklist Smp#: 9
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014958-009
Misc. Info.: 285132
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Mar-2020 15:37:34 Calib Date: 18-Mar-2020 11:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: tajh Date: 18-Mar-2020 09:06:17

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	8.592	0.000	96	229277	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.794	10.797	-0.003	95	1521126	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.576	-0.001	88	1261287	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.224	17.225	-0.001	90	861250	4.00	4.03	
6 Chlorodifluoromethane	51	3.543	3.547	-0.004	96	392692	2.00	1.97	
7 Propene	41	3.553	3.557	-0.004	99	212827	2.00	2.01	
8 Dichlorodifluoromethane	85	3.605	3.606	-0.001	100	587961	2.00	2.00	
9 Chloromethane	52	3.781	3.781	0.000	98	51097	2.00	1.89	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.786	3.787	-0.001	93	340141	2.00	2.02	
11 Acetaldehyde	44	3.925	3.931	-0.006	93	365079	10.0	9.94	
12 Vinyl chloride	62	3.941	3.946	-0.005	99	191507	2.00	2.02	
13 Butane	43	4.029	4.029	0.000	83	248563	2.00	2.09	
14 Butadiene	54	4.024	4.029	-0.005	71	144702	2.00	2.08	
15 Bromomethane	94	4.339	4.340	-0.001	99	200239	2.00	2.03	
16 Chloroethane	64	4.473	4.474	-0.001	96	87457	2.00	1.97	
17 Ethanol	31	4.566	4.573	-0.007	92	351226	10.0	10.5	
18 Vinyl bromide	106	4.763	4.764	-0.001	98	189702	2.00	2.03	
19 2-Methylbutane	43	4.809	4.811	-0.002	89	201179	2.00	2.01	
20 Trichlorofluoromethane	101	5.021	5.025	-0.004	99	584324	2.00	2.01	
21 Acrolein	56	5.037	5.040	-0.003	93	65581	2.00	1.86	
22 Acetonitrile	40	5.099	5.106	-0.007	98	96261	2.00	2.11	
23 Acetone	58	5.145	5.153	-0.008	98	328264	6.00	5.95	
25 Isopropyl alcohol	45	5.228	5.244	-0.016	94	919549	6.00	6.13	
24 Pentane	72	5.238	5.241	-0.003	97	29533	2.00	2.07	
26 Ethyl ether	31	5.398	5.409	-0.011	96	218127	2.00	2.08	
27 1,1-Dichloroethene	96	5.714	5.717	-0.003	96	216042	2.00	1.96	
29 2-Methyl-2-propanol	59	5.812	5.835	-0.023	96	367564	2.00	2.10	
28 Acrylonitrile	53	5.827	5.826	0.001	96	173534	2.00	2.10	
30 1,1,2-Trichloro-1,2,2-trif	101	5.889	5.890	-0.001	95	470338	2.00	2.02	
31 Methylene Chloride	84	6.065	6.065	0.000	98	248209	2.00	2.07	

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	6.078	-0.003	96	182051	2.00	2.05	
33 Carbon disulfide	76	6.220	6.221	-0.001	98	648546	2.00	2.05	
34 trans-1,2-Dichloroethene	96	6.861	6.862	-0.001	96	216100	2.00	2.02	
35 2-Methylpentane	43	6.876	6.877	-0.001	96	476163	2.00	2.08	
36 Methyl tert-butyl ether	73	6.980	6.994	-0.014	97	530340	2.00	2.05	
37 1,1-Dichloroethane	63	7.280	7.282	-0.002	100	413311	2.00	1.99	
38 Vinyl acetate	43	7.383	7.387	-0.004	100	612782	2.00	2.10	
39 2-Butanone (MEK)	72	7.827	7.836	-0.009	97	105223	2.00	1.98	
40 Hexane	56	7.848	7.852	-0.004	88	172428	2.00	2.03	
41 Isopropyl ether	45	8.003	8.016	-0.013	99	769461	2.00	2.05	
42 cis-1,2-Dichloroethene	96	8.262	8.261	0.001	96	229242	2.00	2.02	
43 Ethyl acetate	43	8.443	8.452	-0.010	100	513435	2.00	2.08	
44 Chloroform	83	8.603	8.605	-0.002	97	489782	2.00	1.98	
45 Tert-butyl ethyl ether	59	8.680	8.692	-0.012	96	659624	2.00	2.04	
46 Tetrahydrofuran	42	8.996	9.012	-0.016	93	240550	2.00	2.07	
47 1,1,1-Trichloroethane	97	9.626	9.628	-0.002	96	471940	2.00	2.02	
48 1,2-Dichloroethane	62	9.740	9.743	-0.003	97	313837	2.00	2.03	
49 n-Butanol	31	10.189	10.209	-0.020	80	82426	2.00	2.11	
50 Cyclohexane	69	10.236	10.232	0.004	96	98687	2.00	2.06	
51 Benzene	78	10.236	10.237	-0.001	97	643624	2.00	2.00	
52 Carbon tetrachloride	117	10.257	10.258	-0.001	97	469489	2.00	2.18	
53 2,3-Dimethylpentane	71	10.355	10.357	-0.002	91	137929	2.00	2.02	
54 Thiophene	84	10.515	10.518	-0.003	97	383958	2.00	2.04	
55 Isooctane	57	11.006	11.010	-0.004	98	1060645	2.00	2.04	
56 n-Heptane	71	11.394	11.396	-0.002	91	209441	2.00	2.03	
57 1,2-Dichloropropane	63	11.482	11.482	0.000	93	262322	2.00	2.02	
58 Trichloroethene	130	11.518	11.518	0.000	94	268267	2.00	2.00	
59 Dibromomethane	93	11.606	11.605	0.001	96	299080	2.00	2.04	
60 Dichlorobromomethane	83	11.755	11.753	0.002	99	503862	2.00	2.06	
61 1,4-Dioxane	88	11.761	11.775	-0.014	87	101649	2.00	2.16	
62 Methyl methacrylate	41	11.848	11.853	-0.005	95	286477	2.00	2.08	
63 Methylcyclohexane	83	12.293	12.294	-0.001	95	378558	2.00	1.93	
64 4-Methyl-2-pentanone (MIBK	43	12.706	12.715	-0.009	97	547035	2.00	2.06	
65 cis-1,3-Dichloropropene	75	12.768	12.769	-0.001	94	382212	2.00	2.08	
66 trans-1,3-Dichloropropene	75	13.477	13.475	0.001	98	351423	2.00	2.13	
67 Toluene	91	13.595	13.593	0.002	93	760463	2.00	2.04	
68 1,1,2-Trichloroethane	83	13.673	13.674	-0.001	96	256286	2.00	2.06	
69 2-Hexanone	58	14.055	14.062	-0.007	92	272994	2.00	2.12	
70 n-Octane	85	14.288	14.289	-0.001	93	227163	2.00	2.08	
71 Chlorodibromomethane	129	14.376	14.378	-0.002	97	495177	2.00	2.17	
72 Ethylene Dibromide	107	14.670	14.671	-0.001	98	455045	2.00	2.08	
73 Tetrachloroethene	129	14.743	14.743	0.000	95	266931	2.00	2.00	
74 Chlorobenzene	112	15.627	15.625	0.002	93	571566	2.00	2.01	
75 2,3-Dimethylheptane	43	15.642	15.644	-0.002	96	710998	2.00	2.12	
76 Ethylbenzene	91	15.916	15.917	-0.001	99	985353	2.00	2.06	
77 m-Xylene & p-Xylene	91	16.076	16.077	-0.001	99	1515639	4.00	4.17	
78 n-Nonane	57	16.500	16.500	0.000	91	509163	2.00	2.08	
79 Bromoform	173	16.526	16.527	-0.001	94	515139	2.00	2.22	
80 Styrene	104	16.541	16.545	-0.004	99	537084	2.00	2.09	
81 o-Xylene	91	16.603	16.604	-0.001	98	767068	2.00	2.03	
82 1,1,2,2-Tetrachloroethane	83	16.934	16.933	0.001	98	655869	2.00	2.09	
83 1,2,3-Trichloropropane	110	17.089	17.091	-0.002	99	147913	2.00	2.04	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.193	17.194	-0.001	97	1006277	2.00	2.03	
85 N-Propylbenzene	120	17.756	17.757	-0.001	98	277964	2.00	2.06	
86 2-Chlorotoluene	126	17.802	17.803	-0.001	97	258681	2.00	2.02	
87 4-Ethyltoluene	105	17.916	17.916	0.000	99	1044824	2.00	2.05	
88 1,3,5-Trimethylbenzene	120	17.994	17.994	0.000	92	404377	2.00	2.00	
89 Alpha Methyl Styrene	118	18.237	18.238	-0.001	86	421783	2.00	2.08	
90 n-Decane	57	18.299	18.300	-0.001	89	664684	2.00	2.11	
91 tert-Butylbenzene	119	18.443	18.442	0.001	89	878139	2.00	2.09	
92 1,2,4-Trimethylbenzene	105	18.454	18.455	-0.001	96	869749	2.00	2.06	
93 sec-Butylbenzene	105	18.722	18.724	-0.002	98	1276174	2.00	2.10	
94 1,3-Dichlorobenzene	146	18.738	18.740	-0.002	99	552739	2.00	2.07	
95 Benzyl chloride	91	18.821	18.821	0.000	97	668613	2.00	2.19	
96 1,4-Dichlorobenzene	146	18.831	18.832	-0.001	94	536770	2.00	2.05	
97 4-Isopropyltoluene	119	18.893	18.893	0.000	97	986073	2.00	2.07	
98 1,2,3-Trimethylbenzene	105	18.950	18.950	0.000	99	873066	2.00	2.06	
99 Butylcyclohexane	83	19.007	19.007	0.000	93	717226	2.00	2.07	
100 1,2-Dichlorobenzene	146	19.208	19.208	0.000	80	539443	2.00	2.02	
101 2,3-Dihydroindene	117	19.208	19.207	0.001	93	804723	2.00	2.12	
102 Indene	116	19.343	19.343	0.000	90	704181	2.00	2.11	
103 n-Butylbenzene	91	19.348	19.348	0.000	97	1068105	2.00	2.14	
104 Undecane	57	19.673	19.673	0.000	95	738846	2.00	2.20	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.834	0.000	98	318573	2.00	2.20	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	96	946520	2.00	2.04	
107 Dodecane	57	20.764	20.765	-0.001	96	711826	2.00	2.27	
108 1,2,4-Trichlorobenzene	180	20.965	20.968	-0.003	94	417481	2.00	2.01	
109 Naphthalene	128	21.110	21.114	-0.004	99	908852	2.00	1.83	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	92	491612	2.00	2.29	
111 1,2,3-Trichlorobenzene	180	21.410	21.411	-0.001	93	411869	2.00	2.09	
112 2-Methylnaphthalene	142	22.061	22.061	0.000	98	168308	2.00	2.11	
113 1-Methylnaphthalene	142	22.190	22.190	0.000	98	249815	2.00	2.22	
A 115 C8 Range	1	14.293	(14.236-14.340)		0	2112335	2.00	2.04	
S 116 Xylenes, Total	100				0		6.00	6.20	
S 117 1,2-Dichloroethene, Total	1				0		4.00	4.04	

Reagents:

40L7DQP_00016	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

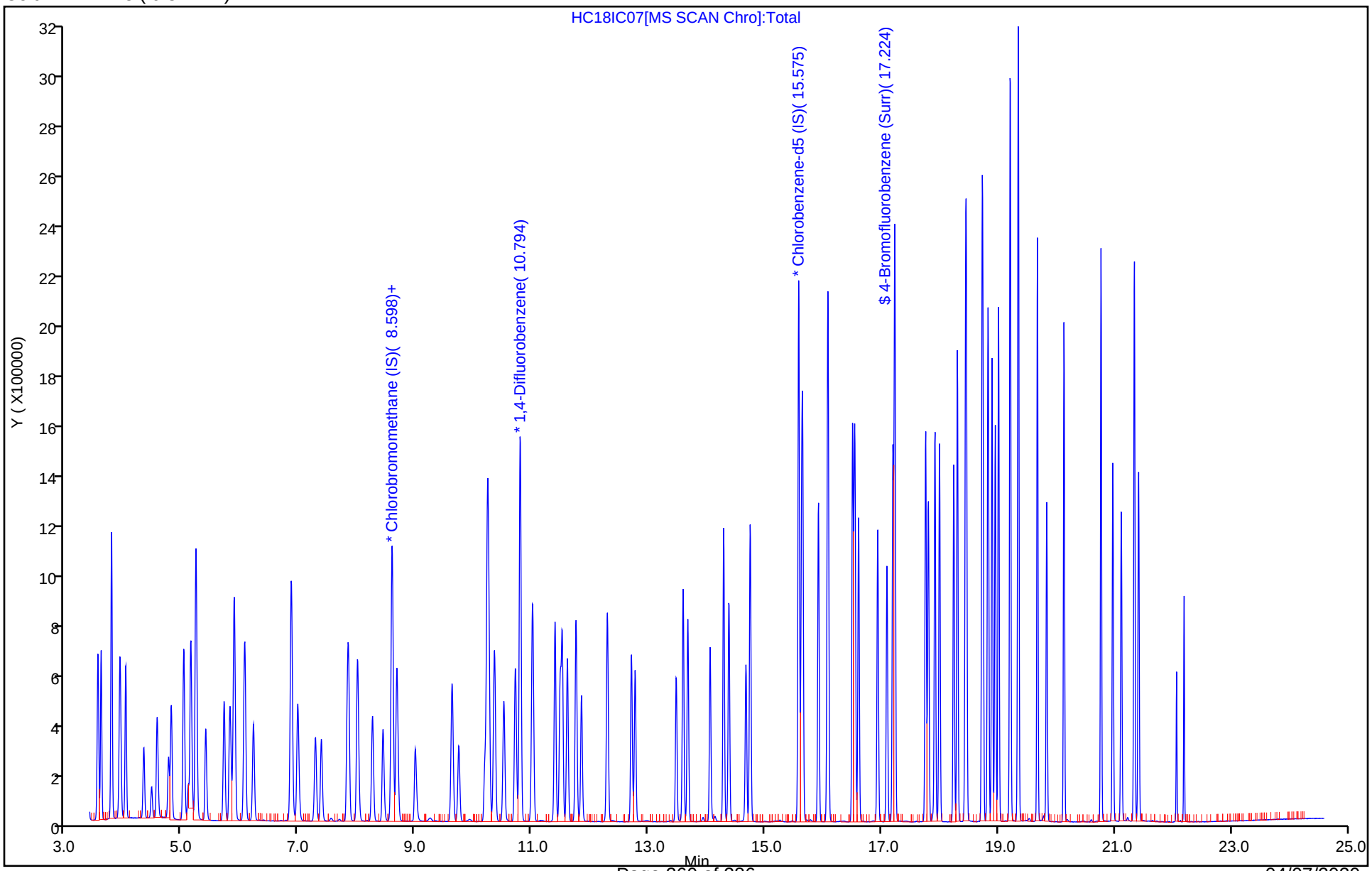
Report Date: 18-Mar-2020 15:37:35 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC07.D

Injection Date:	18-Mar-2020 07:51:30	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)

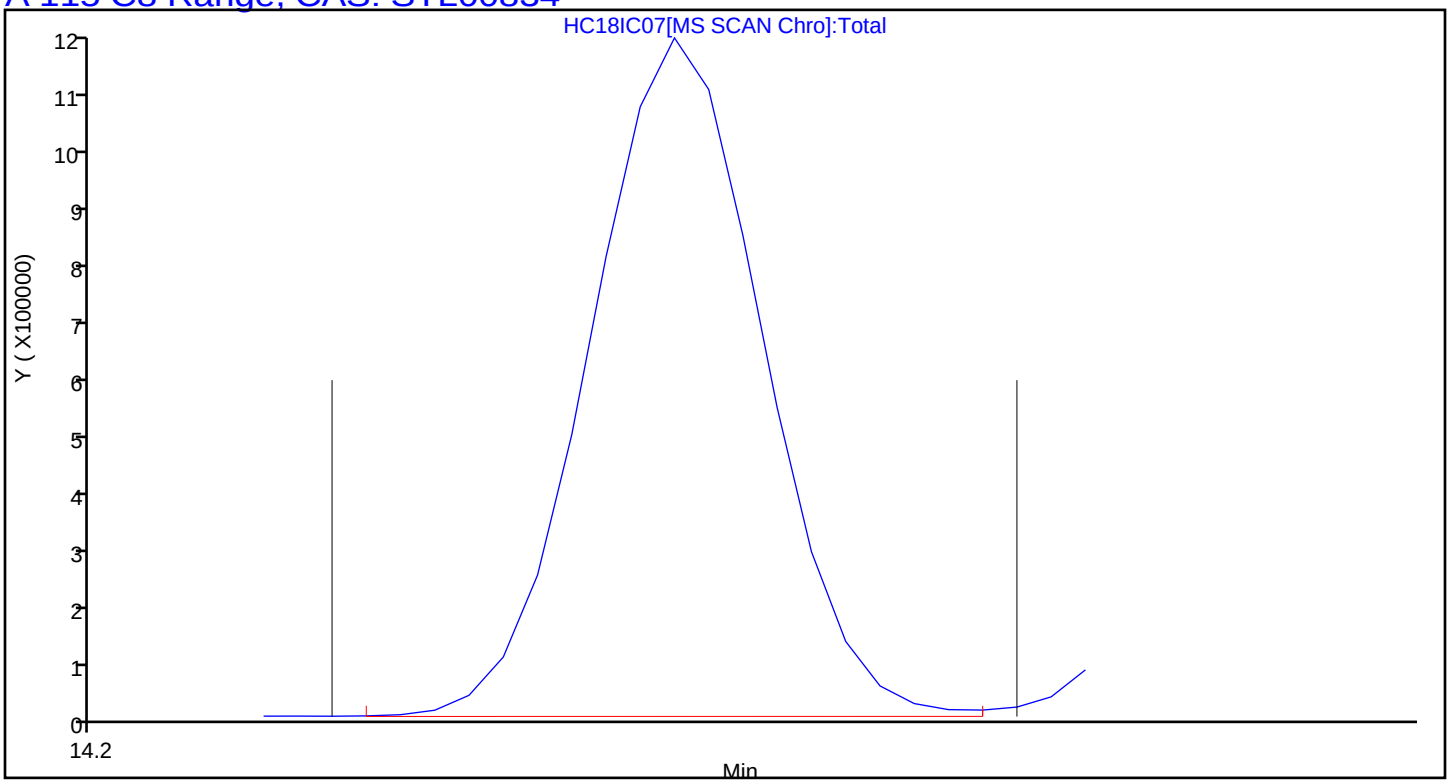


Report Date: 18-Mar-2020 15:37:35 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC07.D				
Injection Date:	18-Mar-2020 07:51:30	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: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC08.D
Lims ID: IC L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 18-Mar-2020 09:37:30 ALS Bottle#: 6 Worklist Smp#: 11
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014958-011
Misc. Info.: 285131
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Mar-2020 15:37:42 Calib Date: 18-Mar-2020 11:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: tajh Date: 18-Mar-2020 11:15:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.598	8.592	0.006	96	229615	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.799	10.797	0.002	95	1508891	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.576	-0.001	88	1286071	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.224	17.225	-0.001	90	860135	4.00	3.95	
6 Chlorodifluoromethane	51	3.548	3.547	0.001	96	781669	4.00	3.92	
7 Propene	41	3.558	3.557	0.001	99	379188	4.00	4.06	
8 Dichlorodifluoromethane	85	3.605	3.606	-0.001	100	1149208	4.00	3.91	
9 Chloromethane	52	3.781	3.781	0.000	98	102728	4.00	3.80	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.786	3.787	-0.001	94	676942	4.00	4.02	
11 Acetaldehyde	44	3.925	3.931	-0.006	94	714949	20.0	19.4	
12 Vinyl chloride	62	3.946	3.946	0.000	99	381044	4.00	4.02	
14 Butadiene	54	4.029	4.029	0.000	72	287329	4.00	4.12	
13 Butane	43	4.029	4.029	0.000	83	487754	4.00	4.09	
15 Bromomethane	94	4.339	4.340	-0.001	99	404898	4.00	4.09	
16 Chloroethane	64	4.473	4.474	-0.001	96	177699	4.00	4.00	
17 Ethanol	31	4.571	4.573	-0.002	91	696236	20.0	20.9	
18 Vinyl bromide	106	4.763	4.764	-0.001	98	379948	4.00	4.06	
19 2-Methylbutane	43	4.809	4.811	-0.002	89	400721	4.00	4.00	
20 Trichlorofluoromethane	101	5.026	5.025	0.001	99	1149601	4.00	3.95	
21 Acrolein	56	5.037	5.040	-0.003	93	145567	4.00	4.09	
22 Acetonitrile	40	5.109	5.106	0.003	99	191295	4.00	4.18	
23 Acetone	58	5.145	5.153	-0.008	97	611294	12.0	11.1	
25 Isopropyl alcohol	45	5.233	5.244	-0.011	92	1729976	12.0	11.5	
24 Pentane	72	5.238	5.241	-0.003	94	56447	4.00	3.95	
26 Ethyl ether	31	5.398	5.409	-0.011	97	420182	4.00	3.99	
27 1,1-Dichloroethene	96	5.719	5.717	0.002	96	421340	4.00	3.82	
29 2-Methyl-2-propanol	59	5.817	5.835	-0.018	95	711873	4.00	4.05	
28 Acrylonitrile	53	5.827	5.826	0.001	95	336533	4.00	4.07	
30 1,1,2-Trichloro-1,2,2-trif	101	5.895	5.890	0.005	96	910181	4.00	3.90	
31 Methylene Chloride	84	6.065	6.065	0.000	97	431149	4.00	4.01	

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	6.081	6.078	0.003	96	343761	4.00	3.87	
33 Carbon disulfide	76	6.220	6.221	-0.001	98	1250694	4.00	3.95	
34 trans-1,2-Dichloroethene	96	6.866	6.862	0.004	97	426740	4.00	3.99	
35 2-Methylpentane	43	6.877	6.877	0.000	95	907251	4.00	3.96	
36 Methyl tert-butyl ether	73	6.980	6.994	-0.014	97	1032808	4.00	3.99	
37 1,1-Dichloroethane	63	7.285	7.282	0.003	100	803565	4.00	3.86	
38 Vinyl acetate	43	7.388	7.387	0.001	100	1203718	4.00	4.12	
39 2-Butanone (MEK)	72	7.828	7.836	-0.008	97	200762	4.00	3.77	
40 Hexane	56	7.853	7.852	0.001	87	331263	4.00	3.89	
41 Isopropyl ether	45	8.008	8.016	-0.008	99	1479223	4.00	3.93	
42 cis-1,2-Dichloroethene	96	8.267	8.261	0.006	96	443631	4.00	3.91	
43 Ethyl acetate	43	8.443	8.452	-0.009	100	997018	4.00	4.03	
44 Chloroform	83	8.613	8.605	0.008	97	944112	4.00	3.82	
45 Tert-butyl ethyl ether	59	8.680	8.692	-0.012	96	1287774	4.00	3.99	
46 Tetrahydrofuran	42	8.996	9.012	-0.016	94	464603	4.00	4.00	
47 1,1,1-Trichloroethane	97	9.631	9.628	0.003	97	922941	4.00	3.94	
48 1,2-Dichloroethane	62	9.745	9.743	0.002	97	608782	4.00	3.97	
49 n-Butanol	31	10.189	10.209	-0.020	81	161842	4.00	4.17	
50 Cyclohexane	69	10.231	10.232	-0.001	96	186712	4.00	3.93	
51 Benzene	78	10.241	10.237	0.004	97	1233468	4.00	3.86	
52 Carbon tetrachloride	117	10.262	10.258	0.004	97	879954	4.00	4.13	
53 2,3-Dimethylpentane	71	10.360	10.357	0.003	90	265558	4.00	3.91	
54 Thiophene	84	10.520	10.518	0.002	96	736980	4.00	3.95	
55 Isooctane	57	11.011	11.010	0.001	98	2033021	4.00	3.94	
56 n-Heptane	71	11.399	11.396	0.003	91	401738	4.00	3.92	
57 1,2-Dichloropropane	63	11.482	11.482	0.000	93	509155	4.00	3.95	
58 Trichloroethene	130	11.518	11.518	0.000	94	519083	4.00	3.89	
59 Dibromomethane	93	11.611	11.605	0.006	96	576677	4.00	3.97	
60 Dichlorobromomethane	83	11.755	11.753	0.002	99	975424	4.00	4.02	
61 1,4-Dioxane	88	11.761	11.775	-0.014	85	192958	4.00	4.13	
62 Methyl methacrylate	41	11.849	11.853	-0.005	95	549225	4.00	4.02	
63 Methylcyclohexane	83	12.293	12.294	-0.001	95	729566	4.00	3.75	
64 4-Methyl-2-pentanone (MIBK	43	12.706	12.715	-0.009	97	1061902	4.00	4.04	
65 cis-1,3-Dichloropropene	75	12.768	12.769	-0.001	94	750061	4.00	4.11	
66 trans-1,3-Dichloropropene	75	13.477	13.475	0.002	98	707017	4.00	4.20	
67 Toluene	91	13.595	13.593	0.002	93	1468944	4.00	3.86	
68 1,1,2-Trichloroethane	83	13.673	13.674	-0.001	97	493092	4.00	3.89	
69 2-Hexanone	58	14.055	14.062	-0.007	93	532701	4.00	4.06	
70 n-Octane	85	14.288	14.289	-0.001	93	436579	4.00	3.93	
71 Chlorodibromomethane	129	14.381	14.378	0.003	98	968642	4.00	4.17	
72 Ethylene Dibromide	107	14.670	14.671	-0.001	98	890853	4.00	3.99	
73 Tetrachloroethene	129	14.743	14.743	0.000	96	520447	4.00	3.83	
74 Chlorobenzene	112	15.627	15.625	0.002	93	1122675	4.00	3.88	
75 2,3-Dimethylheptane	43	15.647	15.644	0.003	96	1334208	4.00	3.91	
76 Ethylbenzene	91	15.916	15.917	-0.001	99	1911087	4.00	3.93	
77 m-Xylene & p-Xylene	91	16.076	16.077	-0.001	99	2902038	8.00	7.83	
78 n-Nonane	57	16.500	16.500	0.000	91	976957	4.00	3.92	
79 Bromoform	173	16.526	16.527	-0.001	94	1005034	4.00	4.23	
80 Styrene	104	16.547	16.545	0.002	99	1039782	4.00	3.97	
81 o-Xylene	91	16.603	16.604	-0.001	98	1468248	4.00	3.82	
82 1,1,2,2-Tetrachloroethane	83	16.934	16.933	0.001	98	1274634	4.00	3.99	
83 1,2,3-Trichloropropane	110	17.094	17.091	0.003	99	287876	4.00	3.90	

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	17.194	-0.001	97	1937331	4.00	3.83	
85 N-Propylbenzene	120	17.756	17.757	-0.001	98	545690	4.00	3.96	
86 2-Chlorotoluene	126	17.802	17.803	-0.001	97	502548	4.00	3.85	
87 4-Ethyltoluene	105	17.916	17.916	0.000	98	2023181	4.00	3.89	
88 1,3,5-Trimethylbenzene	120	17.994	17.994	0.000	92	786475	4.00	3.81	
89 Alpha Methyl Styrene	118	18.237	18.238	-0.001	86	848450	4.00	4.10	
90 n-Decane	57	18.299	18.300	-0.001	89	1266715	4.00	3.95	
91 tert-Butylbenzene	119	18.443	18.442	0.001	89	1694682	4.00	3.95	
92 1,2,4-Trimethylbenzene	105	18.454	18.455	-0.001	96	1661062	4.00	3.86	
93 sec-Butylbenzene	105	18.722	18.724	-0.002	99	2443989	4.00	3.95	
94 1,3-Dichlorobenzene	146	18.738	18.740	-0.002	99	1085285	4.00	3.99	
95 Benzyl chloride	91	18.821	18.821	0.000	97	1437518	4.00	4.62	
96 1,4-Dichlorobenzene	146	18.831	18.832	-0.001	94	1051987	4.00	3.93	
97 4-Isopropyltoluene	119	18.893	18.893	0.000	97	1907777	4.00	3.92	
98 1,2,3-Trimethylbenzene	105	18.950	18.950	0.000	99	1674234	4.00	3.88	
99 Butylcyclohexane	83	19.007	19.007	0.000	94	1363683	4.00	3.85	
101 2,3-Dihydroindene	117	19.208	19.207	0.001	93	1542606	4.00	3.98	
100 1,2-Dichlorobenzene	146	19.208	19.208	0.000	81	1053318	4.00	3.88	
102 Indene	116	19.343	19.343	0.000	91	1373846	4.00	4.04	
103 n-Butylbenzene	91	19.348	19.348	0.000	97	2024500	4.00	3.97	
104 Undecane	57	19.673	19.673	0.000	95	1425162	4.00	4.16	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.834	0.000	98	635219	4.00	4.30	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	96	1842825	4.00	3.89	
107 Dodecane	57	20.764	20.765	-0.001	97	1393776	4.00	4.36	
108 1,2,4-Trichlorobenzene	180	20.966	20.968	-0.002	93	853320	4.00	4.03	
109 Naphthalene	128	21.115	21.114	0.001	99	1794759	4.00	3.55	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	91	943884	4.00	4.37	
111 1,2,3-Trichlorobenzene	180	21.410	21.411	-0.001	93	799600	4.00	4.01	
112 2-Methylnaphthalene	142	22.061	22.061	0.000	99	372930	4.00	4.59	
113 1-Methylnaphthalene	142	22.190	22.190	0.000	99	513018	4.00	4.47	
A 115 C8 Range	1	14.293	(14.247-14.340)		0	4048524	4.00	3.95	
S 116 Xylenes, Total	100				0		12.0	11.6	
S 117 1,2-Dichloroethene, Total	1				0		8.00	7.89	

Reagents:

40L8DQP_00016	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

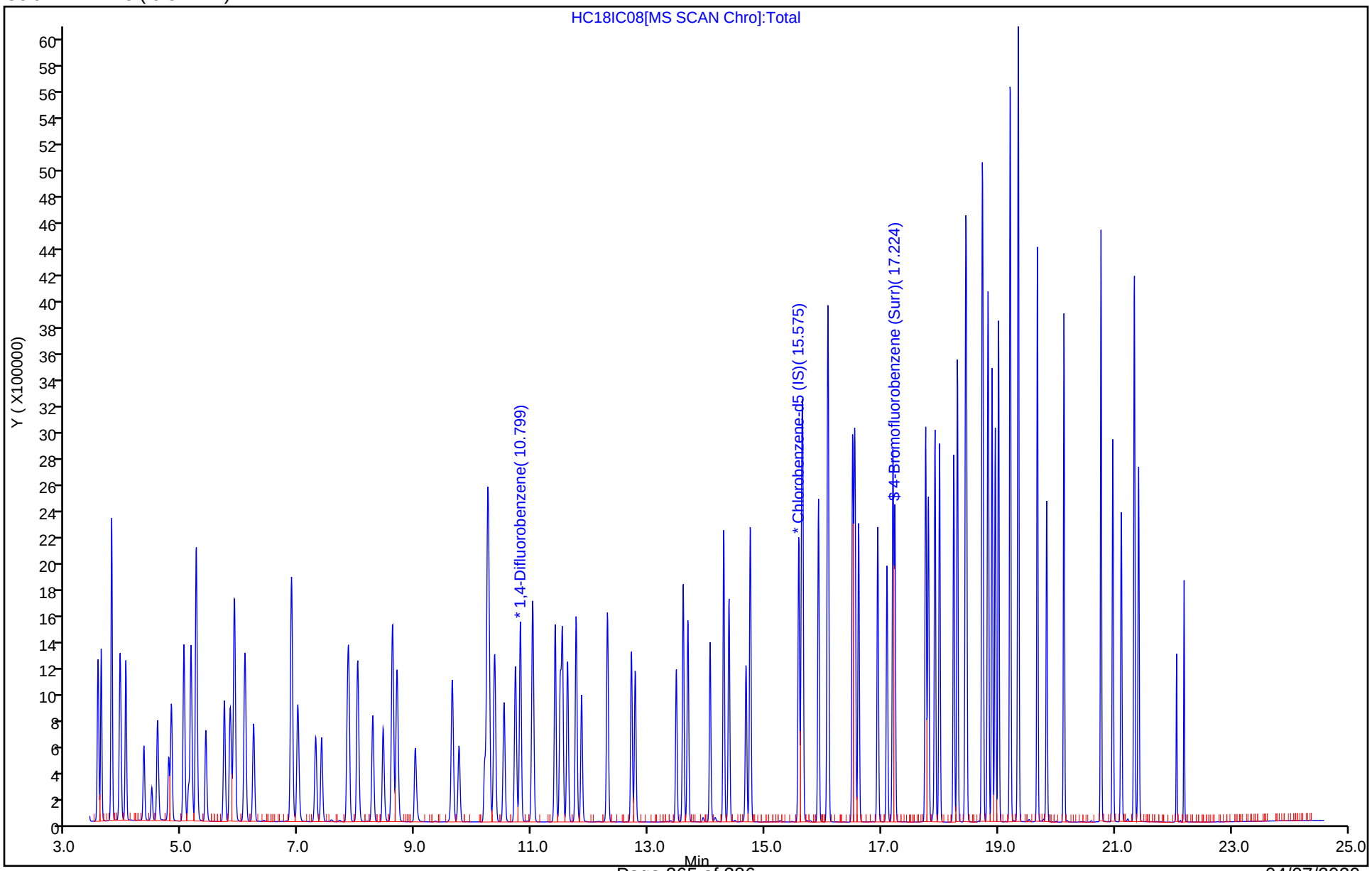
Report Date: 18-Mar-2020 15:37:43 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC08.D

Injection Date:	18-Mar-2020 09:37:30	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)

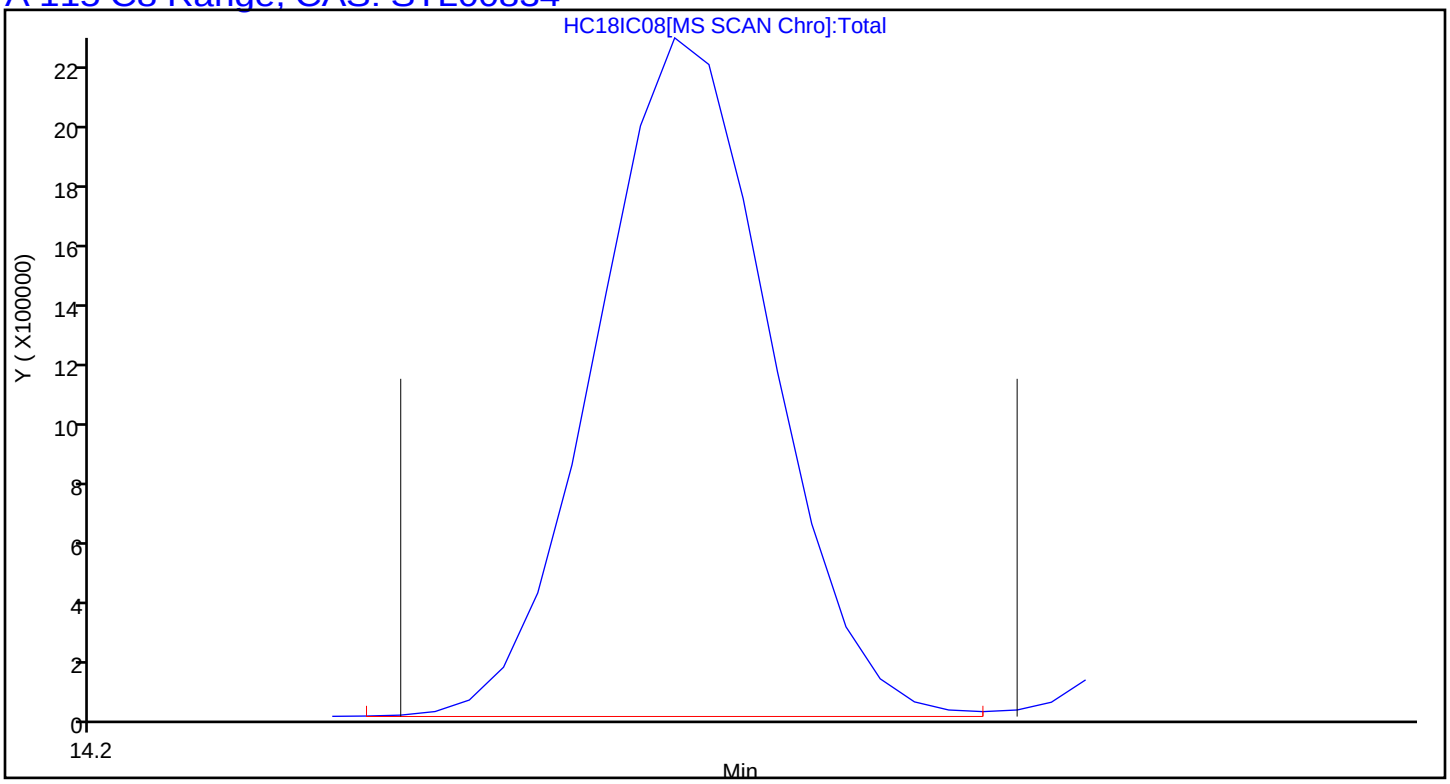


Report Date: 18-Mar-2020 15:37:43 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC08.D				
Injection Date:	18-Mar-2020 09:37:30	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: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC09.D
Lims ID: IC L9
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 18-Mar-2020 10:30:30 ALS Bottle#: 7 Worklist Smp#: 13
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014958-013
Misc. Info.: 285130
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Mar-2020 15:37:48 Calib Date: 18-Mar-2020 11:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: tajh Date: 18-Mar-2020 11:33:20

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	8.592	0.011	97	222778	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.805	10.797	0.008	95	1444259	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.580	15.576	0.004	88	1255642	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.229	17.225	0.004	91	821767	4.00	3.86	
6 Chlorodifluoromethane	51	3.543	3.547	-0.004	96	1517531	8.00	7.84	
7 Propene	41	3.559	3.557	0.002	99	670731	8.00	7.92	
8 Dichlorodifluoromethane	85	3.605	3.606	-0.001	100	2286970	8.00	8.01	
9 Chloromethane	52	3.781	3.781	0.000	100	180329	8.00	6.88	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.786	3.787	-0.001	93	1239131	8.00	7.58	
11 Acetaldehyde	44	3.931	3.931	0.000	96	1215507	40.0	34.1	
12 Vinyl chloride	62	3.946	3.946	0.000	99	681653	8.00	7.41	
13 Butane	43	4.029	4.029	0.000	83	845290	8.00	7.31	
14 Butadiene	54	4.029	4.029	0.000	74	507325	8.00	7.50	
15 Bromomethane	94	4.339	4.340	-0.001	99	740849	8.00	7.72	
16 Chloroethane	64	4.473	4.474	-0.001	96	321708	8.00	7.47	
17 Ethanol	31	4.577	4.573	0.004	91	1188229	40.0	36.7	
18 Vinyl bromide	106	4.768	4.764	0.004	98	702715	8.00	7.74	
19 2-Methylbutane	43	4.809	4.811	-0.002	88	711683	8.00	7.32	
20 Trichlorofluoromethane	101	5.026	5.025	0.001	99	2179387	8.00	7.73	
21 Acrolein	56	5.037	5.040	-0.003	92	199744	8.00	5.77	
22 Acetonitrile	40	5.109	5.106	0.003	99	353285	8.00	7.96	
23 Acetone	58	5.150	5.153	-0.003	97	1114631	24.0	20.8	
25 Isopropyl alcohol	45	5.238	5.244	-0.006	86	3091202	24.0	21.2	
24 Pentane	72	5.244	5.241	0.003	70	104709	8.00	7.56	
26 Ethyl ether	31	5.399	5.409	-0.010	97	769340	8.00	7.54	
27 1,1-Dichloroethene	96	5.719	5.717	0.002	96	802578	8.00	7.49	
29 2-Methyl-2-propanol	59	5.817	5.835	-0.018	95	1367437	8.00	8.02	
28 Acrylonitrile	53	5.833	5.826	0.007	95	624723	8.00	7.78	
30 1,1,2-Trichloro-1,2,2-trif	101	5.895	5.890	0.005	95	1687405	8.00	7.45	
31 Methylene Chloride	84	6.070	6.065	0.005	97	763818	8.00	7.79	

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	6.078	0.003	97	602890	8.00	6.99	
33 Carbon disulfide	76	6.226	6.221	0.005	98	2375559	8.00	7.73	
34 trans-1,2-Dichloroethene	96	6.866	6.862	0.004	97	809001	8.00	7.79	
35 2-Methylpentane	43	6.877	6.877	0.000	94	1659895	8.00	7.46	
36 Methyl tert-butyl ether	73	6.980	6.994	-0.014	97	1967098	8.00	7.83	
37 1,1-Dichloroethane	63	7.290	7.282	0.008	100	1525153	8.00	7.54	
38 Vinyl acetate	43	7.388	7.387	0.001	100	2251685	8.00	7.94	
39 2-Butanone (MEK)	72	7.828	7.836	-0.008	97	385899	8.00	7.46	
40 Hexane	56	7.854	7.852	0.002	87	621739	8.00	7.53	
41 Isopropyl ether	45	8.009	8.016	-0.007	99	2746170	8.00	7.53	
42 cis-1,2-Dichloroethene	96	8.267	8.261	0.006	95	851817	8.00	7.73	
43 Ethyl acetate	43	8.443	8.452	-0.009	100	1879667	8.00	7.84	
44 Chloroform	83	8.613	8.605	0.008	97	1803840	8.00	7.52	
45 Tert-butyl ethyl ether	59	8.680	8.692	-0.012	95	2448871	8.00	7.81	
46 Tetrahydrofuran	42	8.996	9.012	-0.016	93	883302	8.00	7.84	
47 1,1,1-Trichloroethane	97	9.631	9.628	0.003	96	1779587	8.00	7.83	
48 1,2-Dichloroethane	62	9.750	9.743	0.007	97	1158077	8.00	7.89	
49 n-Butanol	31	10.184	10.209	-0.025	85	311076	8.00	8.37	
50 Cyclohexane	69	10.236	10.232	0.004	94	348639	8.00	7.66	
51 Benzene	78	10.241	10.237	0.004	97	2301536	8.00	7.52	
52 Carbon tetrachloride	117	10.262	10.258	0.004	97	1649088	8.00	8.08	
53 2,3-Dimethylpentane	71	10.360	10.357	0.003	90	492954	8.00	7.59	
54 Thiophene	84	10.520	10.518	0.002	96	1402126	8.00	7.85	
55 Isooctane	57	11.011	11.010	0.001	99	3810443	8.00	7.72	
56 n-Heptane	71	11.399	11.396	0.003	90	766746	8.00	7.82	
57 1,2-Dichloropropane	63	11.487	11.482	0.005	94	958143	8.00	7.77	
58 Trichloroethene	130	11.523	11.518	0.005	94	1094756	8.00	8.58	
59 Dibromomethane	93	11.611	11.605	0.006	97	1103254	8.00	7.93	
60 Dichlorobromomethane	83	11.756	11.753	0.003	99	1834113	8.00	7.89	
61 1,4-Dioxane	88	11.761	11.775	-0.014	83	355012	8.00	7.93	
62 Methyl methacrylate	41	11.849	11.853	-0.004	96	1028402	8.00	7.86	
63 Methylcyclohexane	83	12.293	12.294	-0.001	96	1403614	8.00	7.54	
64 4-Methyl-2-pentanone (MIBK	43	12.707	12.715	-0.008	97	1997695	8.00	7.94	
65 cis-1,3-Dichloropropene	75	12.774	12.769	0.005	93	1444442	8.00	8.28	
66 trans-1,3-Dichloropropene	75	13.477	13.475	0.002	97	1374155	8.00	8.36	
67 Toluene	91	13.596	13.593	0.003	93	2807878	8.00	7.55	
68 1,1,2-Trichloroethane	83	13.673	13.674	-0.001	96	936846	8.00	7.56	
69 2-Hexanone	58	14.056	14.062	-0.006	93	1044210	8.00	8.15	
70 n-Octane	85	14.288	14.289	-0.001	92	834804	8.00	7.69	
71 Chlorodibromomethane	129	14.381	14.378	0.003	97	1808846	8.00	7.98	
72 Ethylene Dibromide	107	14.676	14.671	0.005	98	1718626	8.00	7.89	
73 Tetrachloroethene	129	14.748	14.743	0.005	96	990840	8.00	7.47	
74 Chlorobenzene	112	15.627	15.625	0.002	93	2160586	8.00	7.64	
75 2,3-Dimethylheptane	43	15.647	15.644	0.003	96	2328705	8.00	6.98	
76 Ethylbenzene	91	15.916	15.917	-0.001	99	3634828	8.00	7.65	
77 m-Xylene & p-Xylene	91	16.082	16.077	0.005	98	5341448	16.0	14.8	
78 n-Nonane	57	16.500	16.500	0.000	89	1785108	8.00	7.34	
79 Bromoform	173	16.531	16.527	0.004	94	1679525	8.00	7.22	
80 Styrene	104	16.547	16.545	0.002	99	1941692	8.00	7.59	
81 o-Xylene	91	16.604	16.604	0.000	98	2729520	8.00	7.27	
82 1,1,2,2-Tetrachloroethane	83	16.934	16.933	0.001	98	2150211	8.00	6.90	
83 1,2,3-Trichloropropane	110	17.095	17.091	0.004	99	553963	8.00	7.69	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.193	17.194	-0.001	97	3672801	8.00	7.43	
85 N-Propylbenzene	120	17.756	17.757	-0.001	99	1071236	8.00	7.97	
86 2-Chlorotoluene	126	17.803	17.803	0.000	97	963397	8.00	7.56	
87 4-Ethyltoluene	105	17.916	17.916	0.000	98	3857120	8.00	7.59	
88 1,3,5-Trimethylbenzene	120	17.994	17.994	0.000	92	1508948	8.00	7.49	
89 Alpha Methyl Styrene	118	18.237	18.238	-0.001	88	1684673	8.00	8.34	
90 n-Decane	57	18.304	18.300	0.004	90	2318370	8.00	7.40	
91 tert-Butylbenzene	119	18.444	18.442	0.002	93	3188202	8.00	7.61	
92 1,2,4-Trimethylbenzene	105	18.459	18.455	0.004	96	3077971	8.00	7.33	
93 sec-Butylbenzene	105	18.728	18.724	0.004	99	4575576	8.00	7.58	
94 1,3-Dichlorobenzene	146	18.738	18.740	-0.002	99	2062142	8.00	7.76	
95 Benzyl chloride	91	18.821	18.821	0.000	98	2827192	8.00	9.30	
96 1,4-Dichlorobenzene	146	18.831	18.832	-0.001	95	2033707	8.00	7.79	
97 4-Isopropyltoluene	119	18.898	18.893	0.005	97	3617203	8.00	7.62	
98 1,2,3-Trimethylbenzene	105	18.950	18.950	0.000	99	3157520	8.00	7.49	
99 Butylcyclohexane	83	19.007	19.007	0.000	95	2526368	8.00	7.31	
101 2,3-Dihydroindene	117	19.208	19.207	0.001	93	2888774	8.00	7.63	
100 1,2-Dichlorobenzene	146	19.208	19.208	0.000	81	1995822	8.00	7.52	
102 Indene	116	19.343	19.343	0.000	91	2594359	8.00	7.81	
103 n-Butylbenzene	91	19.348	19.348	0.000	99	3653450	8.00	7.34	
104 Undecane	57	19.674	19.673	0.001	95	2629278	8.00	7.87	
105 1,2-Dibromo-3-Chloropropan	157	19.834	19.834	0.000	98	1143536	8.00	7.92	
106 1,2,4,5-Tetramethylbenzene	119	20.128	20.128	0.000	96	3648807	8.00	7.89	
107 Dodecane	57	20.764	20.765	-0.001	98	2729665	8.00	8.75	
108 1,2,4-Trichlorobenzene	180	20.971	20.968	0.003	93	1809775	8.00	8.74	
109 Naphthalene	128	21.116	21.114	0.002	99	3698987	8.00	7.49	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	92	1783468	8.00	8.54	
111 1,2,3-Trichlorobenzene	180	21.410	21.411	-0.001	93	1586513	8.00	8.18	
112 2-Methylnaphthalene	142	22.061	22.061	0.000	99	798799	8.00	10.1	
113 1-Methylnaphthalene	142	22.191	22.190	0.001	99	1023126	8.00	9.12	
A 115 C8 Range	1	14.288	(14.247-14.340)		0	7477001	8.00	7.62	
S 116 Xylenes, Total	100				0		24.0	22.0	
S 117 1,2-Dichloroethene, Total	1				0		16.0	15.5	

Reagents:

40L9DQP_00016	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

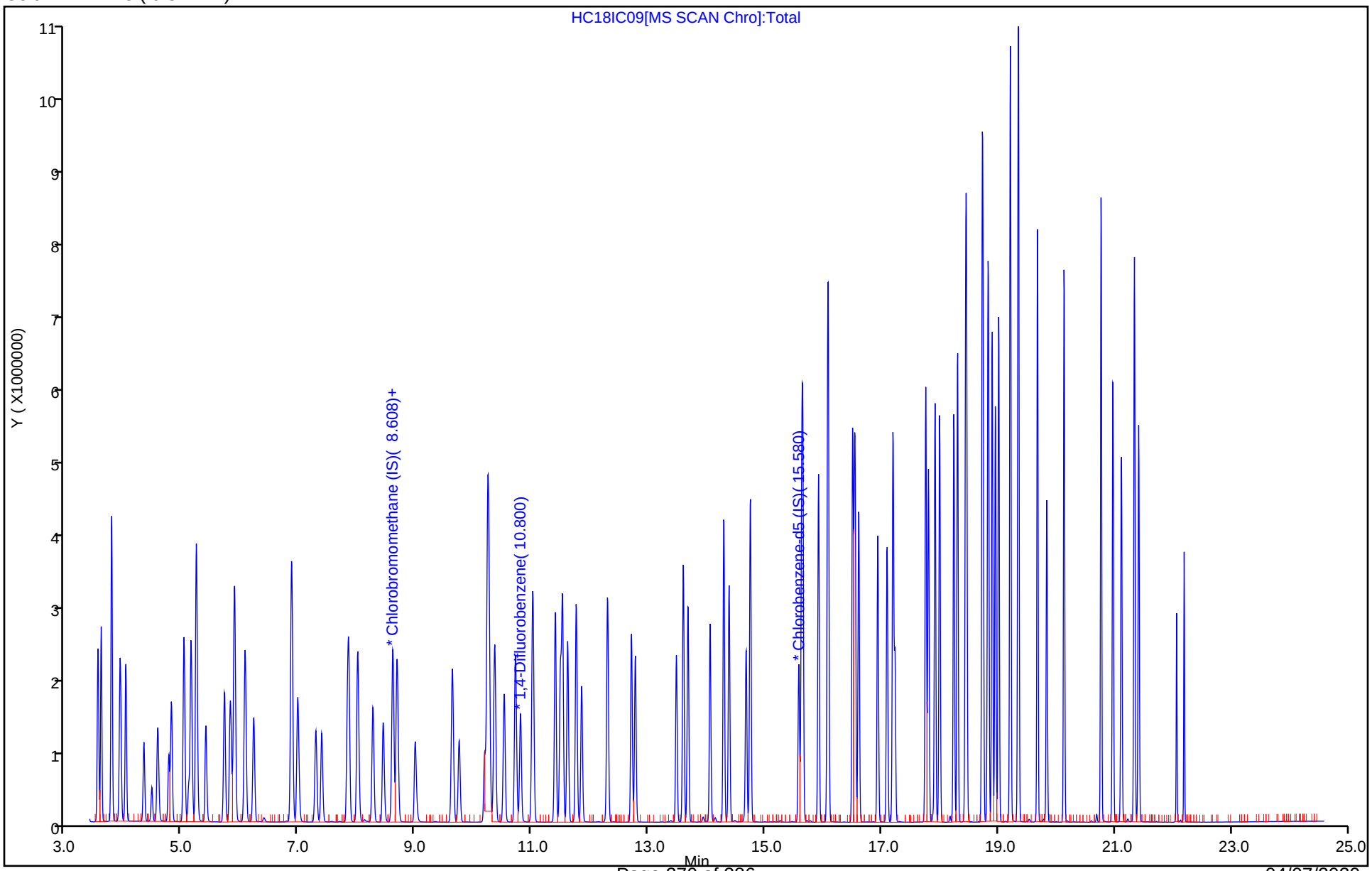
Report Date: 18-Mar-2020 15:37:49 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC09.D

Injection Date:	18-Mar-2020 10:30:30	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)

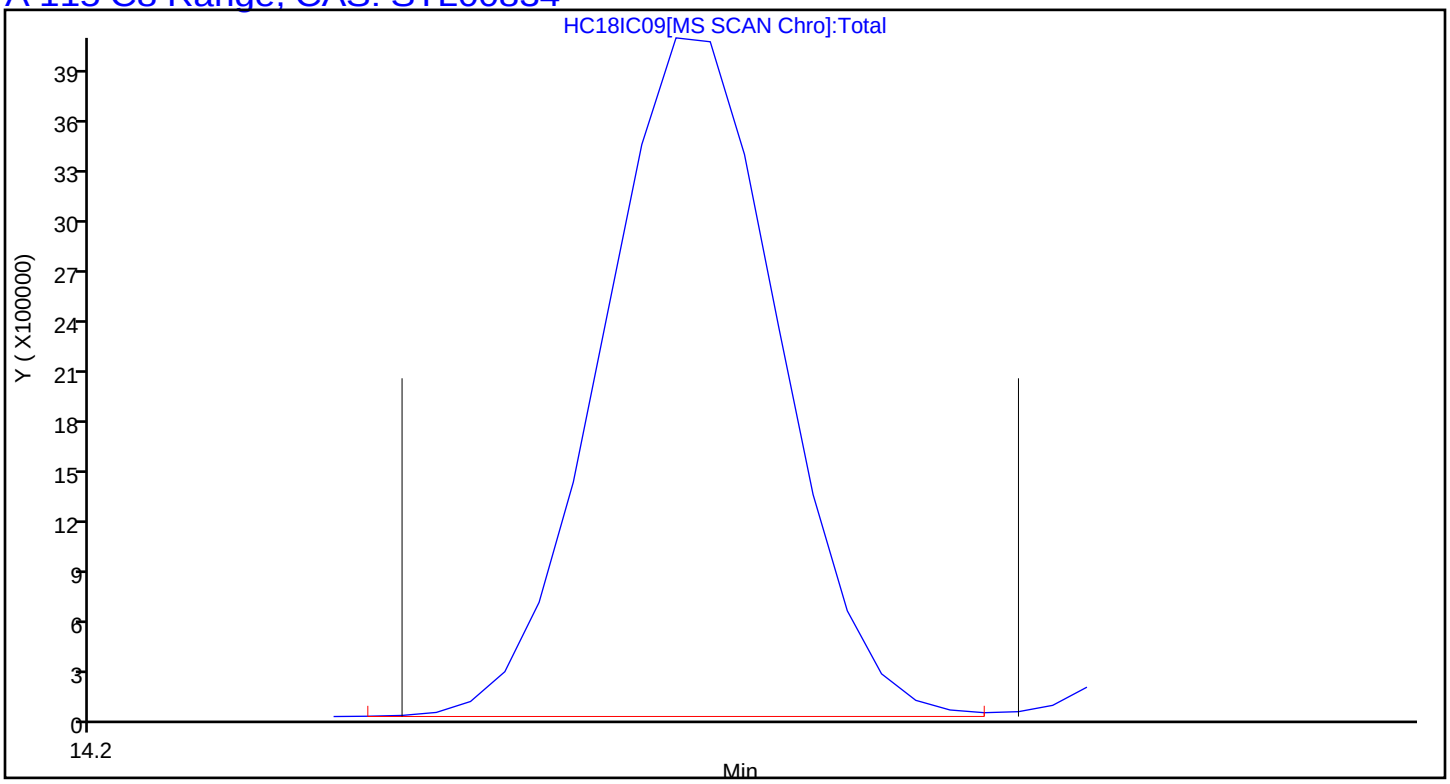


Report Date: 18-Mar-2020 15:37:49 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC09.D				
Injection Date:	18-Mar-2020 10:30:30	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: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D
Lims ID: IC L10
Client ID:
Sample Type: IC Calib Level: 10
Inject. Date: 18-Mar-2020 11:50:30 ALS Bottle#: 8 Worklist Smp#: 15
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014958-015
Misc. Info.: 285129
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Mar-2020 15:37:56 Calib Date: 18-Mar-2020 11:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: tajh Date: 18-Mar-2020 12:27:18

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	8.603	8.592	0.011	94	215891	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.805	10.797	0.008	95	1394721	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.580	15.576	0.004	89	1250330	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.229	17.225	0.004	90	780836	4.00	3.68	
6 Chlorodifluoromethane	51	3.548	3.547	0.001	96	3036628	16.0	16.2	
7 Propene	41	3.558	3.557	0.001	99	1266710	16.0	16.0	
8 Dichlorodifluoromethane	85	3.605	3.606	-0.001	100	4402155	16.0	15.9	
9 Chloromethane	52	3.781	3.781	0.000	100	371723	16.0	14.6	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.786	3.787	-0.001	93	2496383	16.0	15.8	
11 Acetaldehyde	44	3.931	3.931	0.000	93	2036968	80.0	58.9	
12 Vinyl chloride	62	3.946	3.946	0.000	99	1209586	16.0	13.6	
13 Butane	43	4.029	4.029	0.000	82	1406733	16.0	12.5	
14 Butadiene	54	4.029	4.029	0.000	76	870648	16.0	13.3	
15 Bromomethane	94	4.339	4.340	-0.001	99	1489682	16.0	16.0	
16 Chloroethane	64	4.478	4.474	0.004	95	656713	16.0	15.7	
17 Ethanol	31	4.582	4.573	0.009	91	2219465	80.0	70.7	
18 Vinyl bromide	106	4.768	4.764	0.004	98	1389985	16.0	15.8	
19 2-Methylbutane	43	4.814	4.811	0.003	88	1339312	16.0	14.2	
20 Trichlorofluoromethane	101	5.026	5.025	0.001	99	4185178	16.0	15.3	
21 Acrolein	56	5.042	5.040	0.002	92	515860	16.0	15.3	
22 Acetonitrile	40	5.109	5.106	0.003	99	664219	16.0	15.4	
23 Acetone	58	5.150	5.153	-0.003	97	2054569	48.0	39.5	
25 Isopropyl alcohol	45	5.249	5.244	0.005	97	5292802	48.0	37.5	
24 Pentane	72	5.243	5.241	0.002	96	193901	16.0	14.4	
26 Ethyl ether	31	5.398	5.409	-0.011	94	1420470	16.0	14.4	
27 1,1-Dichloroethene	96	5.724	5.717	0.007	97	1576655	16.0	15.2	
29 2-Methyl-2-propanol	59	5.822	5.835	-0.013	95	2571736	16.0	15.6	
28 Acrylonitrile	53	5.833	5.826	0.007	95	1191689	16.0	15.3	
30 1,1,2-Trichloro-1,2,2-trif	101	5.895	5.890	0.005	96	3173509	16.0	14.5	
31 Methylene Chloride	84	6.070	6.065	0.005	96	1420768	16.0	15.5	

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	6.078	0.008	96	1152256	16.0	13.8	
33 Carbon disulfide	76	6.225	6.221	0.004	98	4606736	16.0	15.5	
34 trans-1,2-Dichloroethene	96	6.866	6.862	0.004	98	1554485	16.0	15.4	
35 2-Methylpentane	43	6.882	6.877	0.005	94	2985016	16.0	13.8	
36 Methyl tert-butyl ether	73	6.980	6.994	-0.014	96	3836284	16.0	15.8	
37 1,1-Dichloroethane	63	7.290	7.282	0.008	100	2969237	16.0	15.2	
38 Vinyl acetate	43	7.388	7.387	0.001	100	4394371	16.0	16.0	
39 2-Butanone (MEK)	72	7.828	7.836	-0.008	97	742872	16.0	14.8	
40 Hexane	56	7.853	7.852	0.001	86	1174016	16.0	14.7	
41 Isopropyl ether	45	8.008	8.016	-0.008	98	5125523	16.0	14.5	
42 cis-1,2-Dichloroethene	96	8.267	8.261	0.006	95	1675267	16.0	15.7	
43 Ethyl acetate	43	8.448	8.452	-0.004	99	3597773	16.0	15.5	
44 Chloroform	83	8.613	8.605	0.008	97	3491467	16.0	15.0	
45 Tert-butyl ethyl ether	59	8.686	8.692	-0.006	95	4688611	16.0	15.4	
46 Tetrahydrofuran	42	8.990	9.012	-0.022	93	1705286	16.0	15.6	
47 1,1,1-Trichloroethane	97	9.631	9.628	0.003	96	3512488	16.0	15.9	
48 1,2-Dichloroethane	62	9.750	9.743	0.007	98	2252039	16.0	15.9	
49 n-Butanol	31	10.190	10.209	-0.019	86	567357	16.0	15.8	
50 Cyclohexane	69	10.236	10.232	0.004	96	642270	16.0	14.6	
51 Benzene	78	10.241	10.237	0.004	97	4161203	16.0	14.1	
52 Carbon tetrachloride	117	10.267	10.258	0.009	98	3239464	16.0	16.4	
53 2,3-Dimethylpentane	71	10.360	10.357	0.003	90	940964	16.0	15.0	
54 Thiophene	84	10.525	10.518	0.007	95	2731527	16.0	15.8	
55 Isooctane	57	11.016	11.010	0.006	98	7155893	16.0	15.0	
56 n-Heptane	71	11.404	11.396	0.008	87	1488446	16.0	15.7	
57 1,2-Dichloropropane	63	11.487	11.482	0.005	94	1820856	16.0	15.3	
58 Trichloroethene	130	11.523	11.518	0.005	95	1882916	16.0	15.3	
59 Dibromomethane	93	11.611	11.605	0.006	97	2052017	16.0	15.3	
60 Dichlorobromomethane	83	11.761	11.753	0.008	98	3545945	16.0	15.8	
61 1,4-Dioxane	88	11.766	11.775	-0.009	83	649676	16.0	15.0	
62 Methyl methacrylate	41	11.854	11.853	0.001	97	1932620	16.0	15.3	
63 Methylcyclohexane	83	12.298	12.294	0.004	96	2729106	16.0	15.2	
64 4-Methyl-2-pentanone (MIBK	43	12.712	12.715	-0.003	96	3754728	16.0	15.4	
65 cis-1,3-Dichloropropene	75	12.774	12.769	0.005	92	2794456	16.0	16.6	
66 trans-1,3-Dichloropropene	75	13.482	13.475	0.007	97	2749657	16.0	16.8	
67 Toluene	91	13.601	13.593	0.008	94	5370382	16.0	14.5	
68 1,1,2-Trichloroethane	83	13.678	13.674	0.004	96	1774622	16.0	14.4	
69 2-Hexanone	58	14.061	14.062	-0.001	94	2035490	16.0	15.9	
70 n-Octane	85	14.293	14.289	0.004	90	1594612	16.0	14.8	
71 Chlorodibromomethane	129	14.386	14.378	0.008	97	3624264	16.0	16.1	
72 Ethylene Dibromide	107	14.676	14.671	0.005	100	3295113	16.0	15.2	
73 Tetrachloroethene	129	14.748	14.743	0.005	97	1869564	16.0	14.2	
74 Chlorobenzene	112	15.627	15.625	0.002	94	4093998	16.0	14.5	
75 2,3-Dimethylheptane	43	15.652	15.644	0.008	94	3717855	16.0	11.2	
76 Ethylbenzene	91	15.921	15.917	0.004	98	6821809	16.0	14.4	
77 m-Xylene & p-Xylene	91	16.081	16.077	0.004	98	9317397	32.0	25.9	
78 n-Nonane	57	16.500	16.500	0.000	86	2987481	16.0	12.3	
79 Bromoform	173	16.531	16.527	0.004	94	3375392	16.0	14.6	
80 Styrene	104	16.552	16.545	0.007	99	3406903	16.0	13.4	
81 o-Xylene	91	16.609	16.604	0.005	99	5063455	16.0	13.5	
82 1,1,2,2-Tetrachloroethane	83	16.934	16.933	0.001	98	4530217	16.0	14.6	
83 1,2,3-Trichloropropane	110	17.094	17.091	0.003	99	1088863	16.0	15.2	

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	17.198	17.194	0.004	97	6908588	16.0	14.0	
85 N-Propylbenzene	120	17.761	17.757	0.004	99	2093920	16.0	15.6	
86 2-Chlorotoluene	126	17.808	17.803	0.005	97	1842517	16.0	14.5	
87 4-Ethyltoluene	105	17.916	17.916	0.000	98	7280764	16.0	14.4	
88 1,3,5-Trimethylbenzene	120	17.999	17.994	0.005	92	2866492	16.0	14.3	
89 Alpha Methyl Styrene	118	18.242	18.238	0.004	88	3274057	16.0	16.3	
90 n-Decane	57	18.304	18.300	0.004	90	3948861	16.0	12.7	
91 tert-Butylbenzene	119	18.443	18.442	0.001	92	5704967	16.0	13.7	
92 1,2,4-Trimethylbenzene	105	18.464	18.455	0.009	96	5385556	16.0	12.9	
93 sec-Butylbenzene	105	18.728	18.724	0.004	98	7859576	16.0	13.1	
94 1,3-Dichlorobenzene	146	18.748	18.740	0.008	99	3641941	16.0	13.8	
95 Benzyl chloride	91	18.826	18.821	0.005	98	5192368	16.0	17.1	
96 1,4-Dichlorobenzene	146	18.841	18.832	0.009	95	3723504	16.0	14.3	
97 4-Isopropyltoluene	119	18.903	18.894	0.009	97	6673948	16.0	14.1	
98 1,2,3-Trimethylbenzene	105	18.955	18.950	0.005	98	5939893	16.0	14.2	
99 Butylcyclohexane	83	19.012	19.007	0.005	96	4492850	16.0	13.1	
101 2,3-Dihydroindene	117	19.213	19.207	0.006	94	4871559	16.0	12.9	
100 1,2-Dichlorobenzene	146	19.213	19.208	0.005	86	3493631	16.0	13.2	
102 Indene	116	19.343	19.343	0.000	92	4464426	16.0	13.5	
103 n-Butylbenzene	91	19.353	19.348	0.005	98	5967584	16.0	12.0	
104 Undecane	57	19.673	19.673	0.000	93	4396311	16.0	13.2	
105 1,2-Dibromo-3-Chloropropan	157	19.839	19.834	0.005	97	2633060	16.0	18.3	
106 1,2,4,5-Tetramethylbenzene	119	20.133	20.128	0.005	96	6826946	16.0	14.8	
107 Dodecane	57	20.769	20.765	0.004	98	4502809	16.0	14.5	
108 1,2,4-Trichlorobenzene	180	20.971	20.968	0.003	94	3643726	16.0	17.7	
109 Naphthalene	128	21.115	21.114	0.001	99	7629587	16.0	15.5	
110 Hexachlorobutadiene	225	21.338	21.338	0.000	92	3073127	16.0	14.8	
111 1,2,3-Trichlorobenzene	180	21.415	21.411	0.004	94	3054801	16.0	15.8	
112 2-Methylnaphthalene	142	22.061	22.061	0.000	99	1542574	16.0	19.5	
113 1-Methylnaphthalene	142	22.190	22.190	0.000	100	1852136	16.0	16.6	
A 115 C8 Range	1	14.288	(14.242-14.345)		0	13582812	16.0	14.3	
S 116 Xylenes, Total	100				0		48.0	39.4	
S 117 1,2-Dichloroethene, Total	1				0		32.0	31.1	

Reagents:

40L10DQP_00016	Amount Added: 200.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

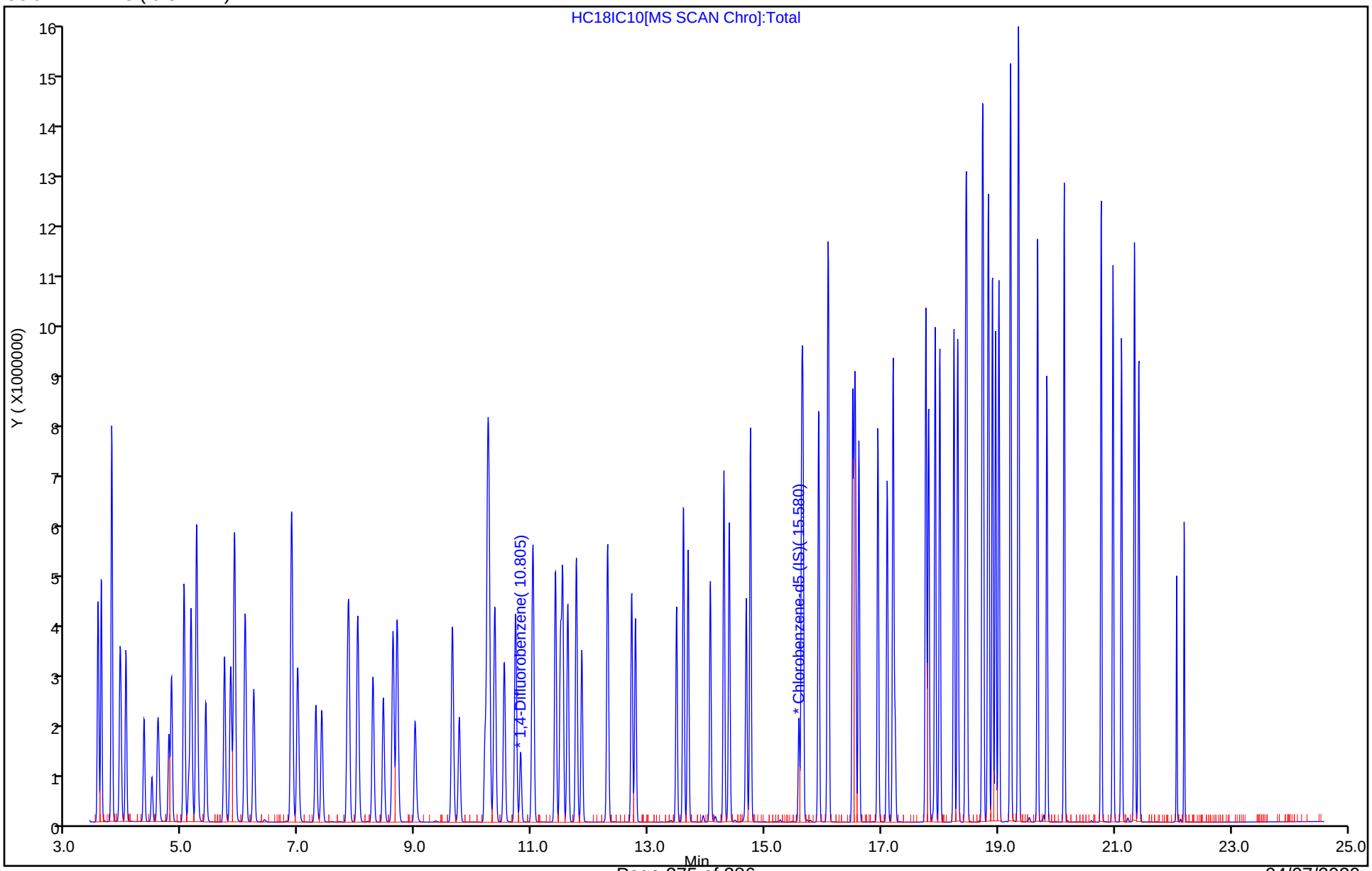
Report Date: 18-Mar-2020 15:37:57 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D

Injection Date:	18-Mar-2020 11:50:30	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)

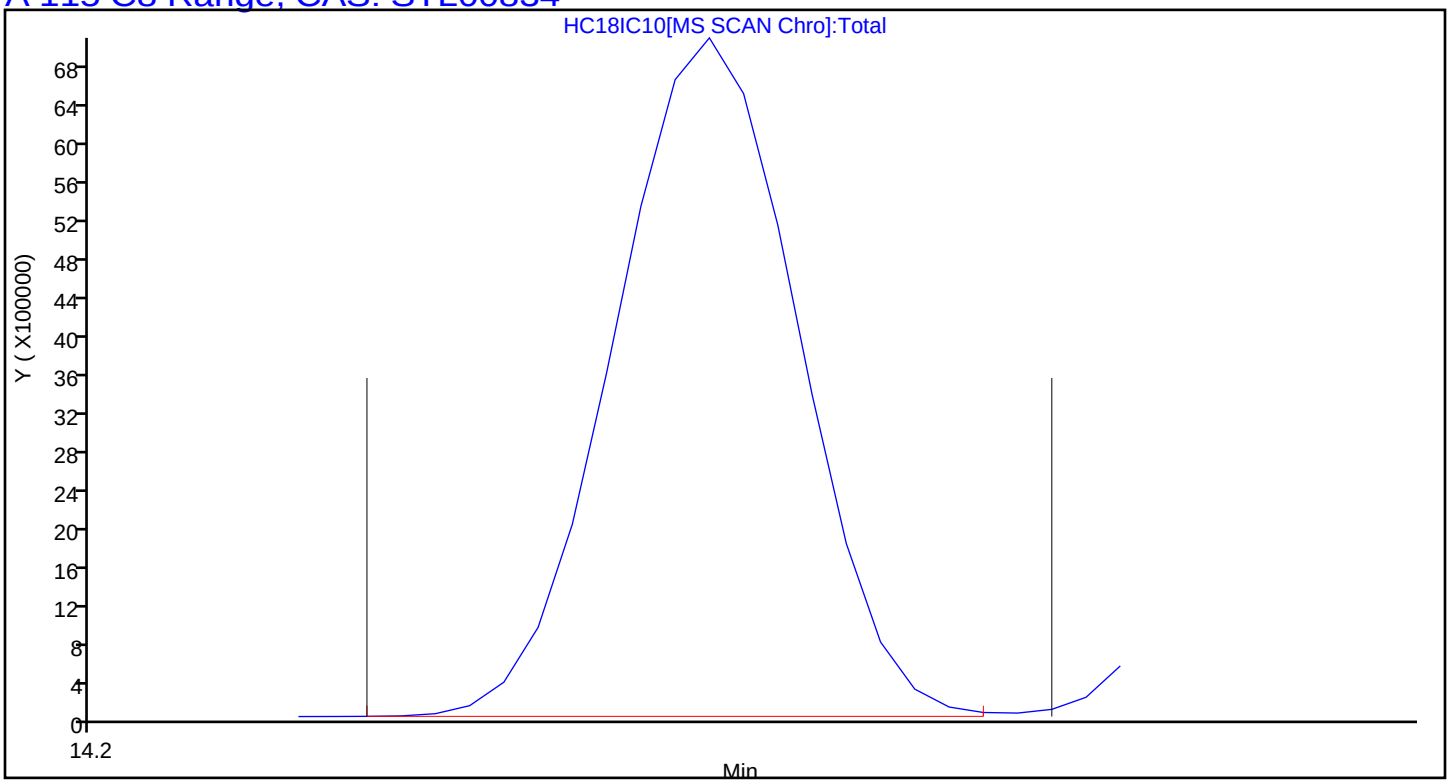


Report Date: 18-Mar-2020 15:37:57 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D				
Injection Date:	18-Mar-2020 11:50:30	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 VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Lab Sample ID: ICV 140-38280/19 Calibration Date: 03/13/2020 03:29

Instrument ID: MG Calib Start Date: 03/12/2020 15:46

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/13/2020 00:45

Lab File ID: GC12LCS.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	2.258	2.443		1.08	1.00	8.2	35.0
Propene	Lin2		1.851		1.05	1.00	4.7	35.0
Freon 12	Ave	4.211	4.734		1.12	1.00	12.4	35.0
Chloromethane	Ave	0.3860	0.4089		1.06	1.00	5.9	35.0
Freon-114	Ave	2.802	3.018		1.08	1.00	7.7	35.0
Acetaldehyde	Ave	0.4809	0.3521			5.00	-26.8	35.0
Vinyl chloride	Ave	1.468	1.564		1.07	1.00	6.5	35.0
1,3-Butadiene	Ave	1.023	1.087		1.06	1.00	6.3	35.0
Butane	Ave	2.084	2.206		1.06	1.00	5.9	35.0
Bromomethane	Ave	1.422	1.488		1.05	1.00	4.6	35.0
Chloroethane	Ave	0.6988	0.7560		1.08	1.00	8.2	35.0
Ethanol	Ave	0.4788	0.3477		3.63	5.00	-27.4	35.0
Vinyl bromide	Ave	1.350	1.608		1.19	1.00	19.1	35.0
2-Methylbutane	Ave	1.335	1.642		1.23	1.00	23.0	35.0
Freon 11	Ave	4.493	5.257		1.17	1.00	17.0	35.0
Acrolein	Ave	0.2220	0.2350		1.06	1.00	5.9	35.0
Acetonitrile	Ave	0.3935	0.3308		0.841	1.00	-15.9	35.0
Acetone	Ave	0.4720	0.3998			1.00	-15.3	35.0
Pentane	Ave	0.2329	0.2875		1.23	1.00	23.4	35.0
2-Propanol	Ave	1.250	1.408		1.13	1.00	12.6	35.0
Ethyl ether	Ave	0.8433	0.8681		1.03	1.00	2.9	35.0
1,1-Dichloroethene	Ave	1.376	1.510		1.10	1.00	9.8	35.0
Acrylonitrile	Ave	0.7948	0.6508		0.819	1.00	-18.1	35.0
tert-Butyl alcohol	Ave	1.954	1.791		0.916	1.00	-8.4	35.0
Freon 113	Ave	3.162	3.534		1.12	1.00	11.7	35.0
Methylene Chloride	Lin2		2.104		1.03	1.00	2.9	35.0
3-Chloropropene	Ave	1.181	1.357		1.15	1.00	15.0	35.0
Carbon disulfide	Ave	3.895	4.217		1.08	1.00	8.3	35.0
trans-1,2-Dichloroethene	Ave	1.434	1.557		1.09	1.00	8.6	35.0
2-Methylpentane	Ave	2.911	3.054		1.05	1.00	4.9	35.0
Methyl tert-butyl ether	Ave	3.437	3.104		0.903	1.00	-9.7	35.0
1,1-Dichloroethane	Ave	2.586	2.742		1.06	1.00	6.0	35.0
Vinyl acetate	Ave	2.638	2.137		0.810	1.00	-19.0	35.0
2-Butanone	Ave	0.5964	0.4265		0.715	1.00	-28.5	35.0
Hexane	Ave	1.053	1.144		1.09	1.00	8.6	35.0
Isopropyl ether	Ave	3.797	3.349		0.882	1.00	-11.8	35.0
cis-1,2-Dichloroethene	Ave	1.459	1.549		1.06	1.00	6.2	35.0
Ethyl acetate	Ave	2.272	1.648			1.00	-27.5	35.0
Chloroform	Ave	3.220	3.405		1.06	1.00	5.8	35.0
Tert-butyl ethyl ether	Ave	3.592	3.006		0.837	1.00	-16.3	35.0
Tetrahydrofuran	Ave	1.280	1.028		0.803	1.00	-19.7	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Lab Sample ID: ICV 140-38280/19 Calibration Date: 03/13/2020 03:29

Instrument ID: MG Calib Start Date: 03/12/2020 15:46

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/13/2020 00:45

Lab File ID: GC12LCS.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	3.490	3.939		1.13	1.00	12.9	35.0
1,2-Dichloroethane	Ave	0.2968	0.3026		1.02	1.00	2.0	35.0
Benzene	Ave	0.5910	0.5881		0.995	1.00	-0.5	35.0
Cyclohexane	Ave	0.1011	0.1127		1.12	1.00	11.5	35.0
Carbon tetrachloride	Ave	0.4871	0.5805		1.19	1.00	19.2	35.0
1-Butanol	Ave	0.0517	0.0454		0.878	1.00	-12.2	35.0
2,3-Dimethylpentane	Ave	0.1521	0.1571		1.03	1.00	3.3	35.0
Thiophene	Ave	0.3422	0.3302		0.965	1.00	-3.5	35.0
2,2,4-Trimethylpentane	Ave	0.9758	1.030		1.06	1.00	5.5	35.0
Heptane	Ave	0.2148	0.2158		1.00	1.00	0.5	35.0
1,2-Dichloropropane	Ave	0.2184	0.1905		0.872	1.00	-12.8	35.0
Trichloroethene	Ave	0.2857	0.2889		1.01	1.00	1.1	35.0
Dibromomethane	Ave	0.2562	0.2524		0.985	1.00	-1.5	35.0
Bromodichloromethane	Ave	0.4309	0.4460		1.03	1.00	3.5	35.0
1,4-Dioxane	Ave	0.0779	0.0613		0.787	1.00	-21.3	35.0
Methyl methacrylate	Ave	0.2054	0.1480		0.721	1.00	-27.9	35.0
Methylcyclohexane	Ave	0.3892	0.5135		1.32	1.00	32.0	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3566	0.2599		0.729	1.00	-27.1	35.0
cis-1,3-Dichloropropene	Ave	0.3081	0.2674		0.868	1.00	-13.2	35.0
trans-1,3-Dichloropropene	Ave	0.2974	0.2539		0.854	1.00	-14.6	35.0
Toluene	Ave	0.7060	0.6249		0.885	1.00	-11.5	35.0
1,1,2-Trichloroethane	Ave	0.2144	0.1852		0.864	1.00	-13.6	35.0
2-Hexanone	Ave	0.1782	0.1392		0.781	1.00	-21.9	35.0
Octane	Ave	0.2603	0.2632		1.01	1.00	1.1	35.0
Dibromochloromethane	Ave	0.4278	0.4074		0.952	1.00	-4.8	35.0
1,2-Dibromoethane	Ave	0.3633	0.3173		0.873	1.00	-12.7	35.0
Tetrachloroethene	Ave	0.2947	0.2843		0.965	1.00	-3.5	35.0
Chlorobenzene	Ave	0.5957	0.5282		0.887	1.00	-11.3	35.0
2,3-Dimethylheptane	Ave	0.7253	0.6595		0.909	1.00	-9.1	35.0
Ethylbenzene	Ave	0.9310	0.8198		0.881	1.00	-11.9	35.0
m-Xylene & p-Xylene	Ave	0.7328	0.6663		1.82	2.00	-9.1	35.0
Nonane	Ave	0.4275	0.4132		0.967	1.00	-3.3	35.0
Bromoform	Ave	0.3764	0.3212		0.853	1.00	-14.7	35.0
Styrene	Ave	0.5240	0.4443		0.848	1.00	-15.2	35.0
o-Xylene	Ave	0.8021	0.7206		0.898	1.00	-10.2	35.0
1,1,2,2-Tetrachloroethane	Ave	0.5447	0.4589		0.843	1.00	-15.7	35.0
1,2,3-Trichloropropane	Ave	0.1734	0.1486		0.857	1.00	-14.3	35.0
Cumene	Ave	1.092	0.9724		0.891	1.00	-10.9	35.0
Propylbenzene	Ave	0.2952	0.2499		0.846	1.00	-15.4	35.0
2-Chlorotoluene	Ave	0.2927	0.2592		0.885	1.00	-11.5	35.0
4-Ethyltoluene	Ave	0.9922	0.8706		0.877	1.00	-12.3	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Lab Sample ID: ICV 140-38280/19 Calibration Date: 03/13/2020 03:29

Instrument ID: MG Calib Start Date: 03/12/2020 15:46

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/13/2020 00:45

Lab File ID: GC12LCS.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	0.4481	0.4330		0.966	1.00	-3.4	35.0
Alpha Methyl Styrene	Ave	0.4193	0.3295		0.786	1.00	-21.4	35.0
Decane	Ave	0.5609	0.5195		0.926	1.00	-7.4	35.0
tert-Butylbenzene	Ave	1.000	0.8738		0.874	1.00	-12.6	35.0
1,2,4-Trimethylbenzene	Ave	0.9465	0.8221		0.869	1.00	-13.1	35.0
sec-Butylbenzene	Ave	1.338	1.167		0.872	1.00	-12.8	35.0
1,3-Dichlorobenzene	Ave	0.6196	0.5642		0.911	1.00	-8.9	35.0
alpha-Chlorotoluene	Ave	0.6687	0.5916		0.885	1.00	-11.5	35.0
1,4-Dichlorobenzene	Ave	0.6160	0.5438		0.883	1.00	-11.7	35.0
4-Isopropyltoluene	Ave	1.126	0.9200		0.817	1.00	-18.3	35.0
1,2,3-Trimethylbenzene	Ave	0.9091	0.6041		0.665	1.00	-33.5	35.0
Butylcyclohexane	Ave	0.7990	0.6880		0.861	1.00	-13.9	35.0
1,2-Dichlorobenzene	Ave	0.6279	0.5541		0.882	1.00	-11.8	35.0
Indane	Ave	0.8642	0.7323		0.847	1.00	-15.3	35.0
Indene	Ave	0.7308	0.5325		0.729	1.00	-27.1	35.0
Butylbenzene	Ave	1.115	0.9124		0.818	1.00	-18.2	35.0
Undecane	Ave	0.6022	0.4685		0.778	1.00	-22.2	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.2568	0.1708		0.665	1.00	-33.5	35.0
1,2,4,5-Tetramethylbenzene	Ave	1.032	0.7515		0.728	1.00	-27.2	35.0
Dodecane	Ave	0.4362	0.3766		0.863	1.00	-13.7	35.0
1,2,4-Trichlorobenzene	Ave	0.4731	0.3719		0.786	1.00	-21.4	35.0
Naphthalene	Ave	1.158	0.8800		0.760	1.00	-24.0	35.0
Hexachlorobutadiene	Ave	0.5405	0.3829		0.708	1.00	-29.2	35.0
1,2,3-Trichlorobenzene	Ave	0.4671	0.3497		0.749	1.00	-25.1	35.0
2-Methylnaphthalene	Ave	0.2812	0.3798		1.35	1.00	35.0	50.0
1-Methylnaphthalene	Ave	0.3310	0.4131		1.25	1.00	24.8	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7153	0.7324		4.10	4.00	2.4	35.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12LCS.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 13-Mar-2020 03:29:30 ALS Bottle#: 8 Worklist Smp#: 19
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014911-019
Misc. Info.: S113
Operator ID: HMT Instrument ID: MG
Sublist:

Method: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 13-Mar-2020 12:06:30 Calib Date: 13-Mar-2020 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0324

First Level Reviewer: tajh Date: 13-Mar-2020 12:00:07

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	8.892	8.908	-0.016	88	349688	4.00	4.00	
* 2 1,4-Difluorobenzene	114	11.076	11.087	-0.011	94	2416301	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.794	15.800	-0.006	87	2136803	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.434	17.439	-0.005	88	1565061	4.00	4.10	
6 Chlorodifluoromethane	51	3.721	3.721	0.000	96	213536	1.00	1.08	
7 Propene	41	3.732	3.732	0.000	98	161837	1.00	1.05	
8 Dichlorodifluoromethane	85	3.786	3.780	0.006	100	413854	1.00	1.12	
9 Chloromethane	52	3.969	3.964	0.005	97	35748	1.00	1.06	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.974	3.974	0.000	91	263839	1.00	1.08	
11 Acetaldehyde	44	4.125	4.125	0.000	95	153903	5.00	3.66	
12 Vinyl chloride	62	4.141	4.141	0.000	99	136714	1.00	1.07	
14 Butadiene	54	4.228	4.228	0.000	65	95048	1.00	1.06	
13 Butane	43	4.228	4.228	0.000	85	192846	1.00	1.06	
15 Bromomethane	94	4.551	4.557	-0.006	98	130050	1.00	1.05	
16 Chloroethane	64	4.697	4.697	0.000	98	66088	1.00	1.08	
17 Ethanol	31	4.810	4.826	-0.016	99	151971	5.00	3.63	
18 Vinyl bromide	106	4.999	5.004	-0.005	98	140551	1.00	1.19	
19 2-Methylbutane	43	5.053	5.053	0.000	90	143535	1.00	1.23	
20 Trichlorofluoromethane	101	5.274	5.279	-0.005	99	459574	1.00	1.17	
21 Acrolein	56	5.285	5.290	-0.005	94	20544	1.00	1.06	
22 Acetonitrile	40	5.355	5.360	-0.005	97	28915	1.00	0.8405	
23 Acetone	58	5.414	5.403	0.011	99	34949	1.00	0.8470	
24 Pentane	72	5.500	5.500	0.000	99	25131	1.00	1.23	
25 Isopropyl alcohol	45	5.527	5.522	0.005	96	123101	1.00	1.13	
26 Ethyl ether	31	5.678	5.668	0.010	92	75888	1.00	1.03	
27 1,1-Dichloroethene	96	5.986	5.991	-0.005	96	131994	1.00	1.10	
28 Acrylonitrile	53	6.094	6.104	-0.010	94	56896	1.00	0.8188	
30 2-Methyl-2-propanol	59	6.147	6.126	0.021	97	156575	1.00	0.9164	
29 1,1,2-Trichloro-1,2,2-trif	101	6.164	6.169	-0.005	95	308926	1.00	1.12	
31 Methylene Chloride	84	6.336	6.342	-0.006	93	183941	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	6.352	6.358	-0.006	98	118637	1.00	1.15	
33 Carbon disulfide	76	6.498	6.503	-0.005	99	368665	1.00	1.08	
34 trans-1,2-Dichloroethene	96	7.145	7.156	-0.011	98	136093	1.00	1.09	
35 2-Methylpentane	43	7.167	7.177	-0.010	93	266944	1.00	1.05	
36 Methyl tert-butyl ether	73	7.291	7.280	0.011	96	271337	1.00	0.9030	
37 1,1-Dichloroethane	63	7.571	7.582	-0.011	100	239711	1.00	1.06	
38 Vinyl acetate	43	7.679	7.690	-0.011	99	186831	1.00	0.8101	
39 2-Butanone (MEK)	72	8.137	8.137	0.000	97	37288	1.00	0.7152	
40 Hexane	56	8.153	8.159	-0.006	91	99972	1.00	1.09	
41 Isopropyl ether	45	8.321	8.321	0.000	95	292763	1.00	0.8819	
42 cis-1,2-Dichloroethene	96	8.558	8.574	-0.016	95	135455	1.00	1.06	
43 Ethyl acetate	43	8.752	8.757	-0.005	99	144034	1.00	0.7251	
44 Chloroform	83	8.903	8.919	-0.016	96	297670	1.00	1.06	
45 Tert-butyl ethyl ether	59	9.005	9.000	0.005	95	262753	1.00	0.8367	
46 Tetrahydrofuran	42	9.324	9.313	0.011	91	89891	1.00	0.8032	
47 1,1,1-Trichloroethane	97	9.933	9.944	-0.011	95	344338	1.00	1.13	
48 1,2-Dichloroethane	62	10.041	10.057	-0.016	99	182814	1.00	1.02	
51 n-Butanol	31	10.569	10.521	0.048	67	27438	1.00	0.8777	
49 Cyclohexane	69	10.537	10.542	-0.005	78	68077	1.00	1.12	
50 Benzene	78	10.531	10.548	-0.017	96	355232	1.00	1.00	
52 Carbon tetrachloride	117	10.558	10.569	-0.011	99	350670	1.00	1.19	
53 2,3-Dimethylpentane	71	10.655	10.666	-0.011	89	94887	1.00	1.03	
54 Thiophene	84	10.806	10.817	-0.011	94	199461	1.00	0.9649	
55 Isooctane	57	11.297	11.303	-0.006	98	621996	1.00	1.06	
56 n-Heptane	71	11.669	11.680	-0.011	90	130361	1.00	1.00	
57 1,2-Dichloropropane	63	11.750	11.761	-0.011	87	115070	1.00	0.8722	
58 Trichloroethene	130	11.788	11.799	-0.011	97	174535	1.00	1.01	
59 Dibromomethane	93	11.869	11.880	-0.011	94	152493	1.00	0.9853	
60 Dichlorobromomethane	83	12.014	12.025	-0.011	98	269410	1.00	1.03	
61 1,4-Dioxane	88	12.052	12.041	0.011	87	37046	1.00	0.7868	
62 Methyl methacrylate	41	12.111	12.117	-0.006	95	89399	1.00	0.7205	
63 Methylcyclohexane	83	12.554	12.564	-0.010	96	310209	1.00	1.32	
64 4-Methyl-2-pentanone (MIBK	43	12.974	12.963	0.011	97	157011	1.00	0.7288	
65 cis-1,3-Dichloropropene	75	13.012	13.017	-0.005	94	161506	1.00	0.8677	
66 trans-1,3-Dichloropropene	75	13.702	13.713	-0.011	97	135608	1.00	0.8537	
67 Toluene	91	13.832	13.837	-0.005	94	333819	1.00	0.8851	
68 1,1,2-Trichloroethane	83	13.902	13.907	-0.005	99	98909	1.00	0.8637	
69 2-Hexanone	58	14.301	14.295	0.006	93	74334	1.00	0.7811	
70 n-Octane	85	14.516	14.522	-0.006	91	140604	1.00	1.01	
71 Chlorodibromomethane	129	14.603	14.613	-0.010	97	217612	1.00	0.9523	
72 Ethylene Dibromide	107	14.894	14.899	-0.005	98	169497	1.00	0.8733	
73 Tetrachloroethene	129	14.969	14.975	-0.006	94	151864	1.00	0.9648	
75 Chlorobenzene	112	15.843	15.848	-0.005	94	282160	1.00	0.8867	
74 2,3-Dimethylheptane	43	15.864	15.865	0.000	92	352319	1.00	0.9093	
78 Ethylbenzene	91	16.134	16.134	0.000	98	437941	1.00	0.8805	
79 m-Xylene & p-Xylene	91	16.290	16.296	-0.006	99	711905	2.00	1.82	
80 n-Nonane	57	16.711	16.716	-0.005	91	220737	1.00	0.9666	
81 Bromoform	173	16.743	16.749	-0.006	94	171561	1.00	0.8533	
82 Styrene	104	16.760	16.760	0.000	98	237354	1.00	0.8479	
83 o-Xylene	91	16.819	16.824	-0.005	98	384963	1.00	0.8984	
84 1,1,2,2-Tetrachloroethane	83	17.137	17.142	-0.005	99	245162	1.00	0.8425	
85 1,2,3-Trichloropropane	110	17.299	17.304	-0.005	97	79366	1.00	0.8566	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 Isopropylbenzene	105	17.401	17.407	-0.006	96	519459	1.00	0.8907	
87 N-Propylbenzene	120	17.941	17.946	-0.005	99	133479	1.00	0.8465	
88 2-Chlorotoluene	126	17.984	17.989	-0.005	97	138440	1.00	0.8853	
89 4-Ethyltoluene	105	18.092	18.097	-0.005	98	465056	1.00	0.8774	
90 1,3,5-Trimethylbenzene	120	18.162	18.172	-0.010	92	231309	1.00	0.9663	
92 Alpha Methyl Styrene	118	18.394	18.399	-0.005	88	176035	1.00	0.7860	
93 n-Decane	57	18.447	18.453	-0.006	92	277540	1.00	0.9263	
94 tert-Butylbenzene	119	18.582	18.593	-0.011	92	466783	1.00	0.8741	
95 1,2,4-Trimethylbenzene	105	18.598	18.604	-0.006	96	439173	1.00	0.8686	
96 sec-Butylbenzene	105	18.852	18.857	-0.005	98	623434	1.00	0.8719	
97 1,3-Dichlorobenzene	146	18.868	18.873	-0.005	99	301376	1.00	0.9105	
98 Benzyl chloride	91	18.944	18.949	-0.005	98	316010	1.00	0.8847	
99 1,4-Dichlorobenzene	146	18.954	18.960	-0.006	94	290475	1.00	0.8827	
100 4-Isopropyltoluene	119	19.014	19.019	-0.005	96	491437	1.00	0.8171	
101 1,2,3-Trimethylbenzene	105	19.068	19.073	-0.005	99	322714	1.00	0.6645	
102 Butylcyclohexane	83	19.121	19.127	-0.006	96	367504	1.00	0.8610	
103 2,3-Dihydroindene	117	19.310	19.316	-0.006	93	391173	1.00	0.8473	
104 1,2-Dichlorobenzene	146	19.310	19.316	-0.006	86	295982	1.00	0.8823	
105 n-Butylbenzene	91	19.445	19.445	0.000	97	487394	1.00	0.8181	
106 Indene	116	19.440	19.445	-0.005	90	284466	1.00	0.7287	
107 Undecane	57	19.752	19.752	0.000	94	250286	1.00	0.7781	
108 1,2-Dibromo-3-Chloropropan	157	19.909	19.909	0.000	96	91222	1.00	0.6649	
109 1,2,4,5-Tetramethylbenzene	119	20.195	20.195	0.000	97	401431	1.00	0.7283	
110 Dodecane	57	20.804	20.804	0.000	95	201184	1.00	0.8634	
111 1,2,4-Trichlorobenzene	180	21.003	21.003	0.000	94	198690	1.00	0.7862	
112 Naphthalene	128	21.138	21.144	-0.006	99	470076	1.00	0.7597	
113 Hexachlorobutadiene	225	21.349	21.349	0.000	94	204542	1.00	0.7084	
114 1,2,3-Trichlorobenzene	180	21.419	21.419	0.000	94	186816	1.00	0.7487	
115 2-Methylnaphthalene	142	22.184	22.184	0.000	99	202889	1.00	1.35	
116 1-Methylnaphthalene	142	22.357	22.362	-0.005	100	220669	1.00	1.25	
A 122 C8 Range	1	14.514	(14.463-14.570)		0	1192274	1.00	0.9879	
S 123 1,2-Dichloroethene, Total	1				0		2.00	2.15	
S 124 Xylenes, Total	100				0		3.00	2.72	
T 136 2-Methylthiophene TIC	97	13.983	13.982	0.001	97	260284	1.00	0.4872	
T 137 3-Methylthiophene TIC	97	14.182	14.187	-0.005	99	252866	1.00	0.4734	
T 154 2-Ethylthiophene TIC	97	16.231	16.236	-0.005	73	319800	1.00	0.5987	
T 160 1,2-Dimethyl-4-Ethylbenzen	119	19.812	19.812	0.000	96	340710	1.00	0.6378	
T 161 1,2,3,5-Tetramethylbenzene	119	20.248	20.248	0.000	95	250611	1.00	0.4691	
T 162 1,2,3,4-Tetramethylbenzene	119	20.648	20.653	-0.005	97	319809	1.00	0.5987	
T 163 Benzo(b)thiophene TIC	134	21.241	21.246	-0.005	99	258489	1.00	0.4839	

Reagents:

40CV101S_00113	Amount Added: 50.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

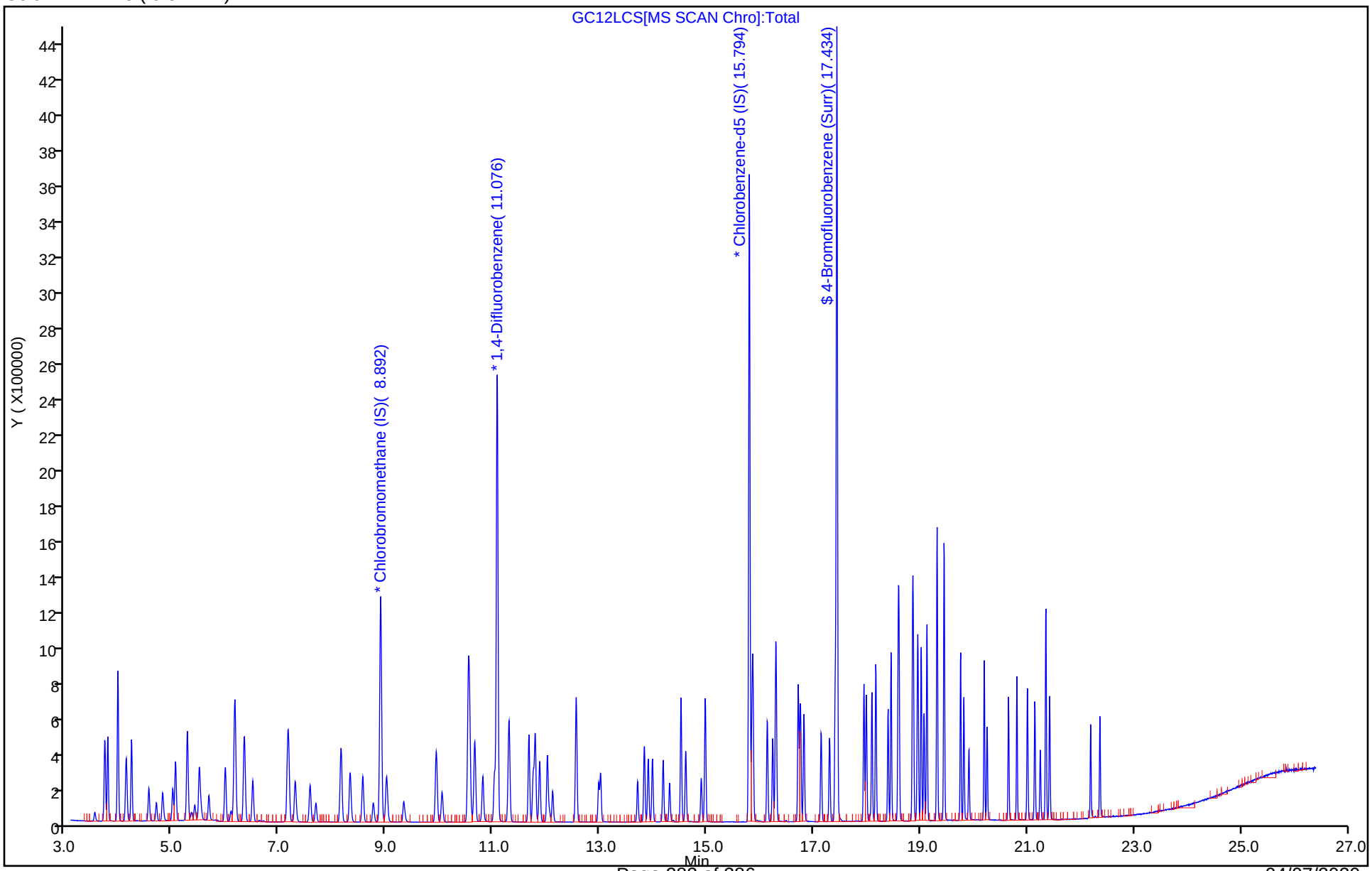
Report Date: 13-Mar-2020 13:47:49 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12LCS.D

Injection Date:	13-Mar-2020 03:29:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	ICV			Worklist Smp#:	19
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	MG_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.: 140-18683-1

SDG No.:

Lab Sample ID: CCVIS 140-38633/2 Calibration Date: 03/27/2020 09:01

Instrument ID: MG Calib Start Date: 03/12/2020 15:46

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/13/2020 00:45

Lab File ID: GCCVC27.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	2.258	2.829		2.51	2.00	25.3	30.0
Propene	Lin2		1.748		2.67	2.00	33.5*	30.0
Freon 12	Ave	4.211	5.223		2.48	2.00	24.0	30.0
Chloromethane	Ave	0.3860	0.4584		2.38	2.00	18.8	30.0
Freon-114	Ave	2.802	3.055		2.18	2.00	9.0	30.0
Acetaldehyde	Ave	0.4809	0.5191		10.8	10.0	7.9	30.0
Vinyl chloride	Ave	1.468	1.677		2.29	2.00	14.3	30.0
1,3-Butadiene	Ave	1.023	1.205		2.36	2.00	17.8	30.0
Butane	Ave	2.084	2.387		2.29	2.00	14.5	30.0
Bromomethane	Ave	1.422	1.624		2.28	2.00	14.2	30.0
Chloroethane	Ave	0.6988	0.8028		2.30	2.00	14.9	30.0
Ethanol	Ave	0.4788	0.5410		11.3	10.0	13.0	30.0
Vinyl bromide	Ave	1.350	1.544		2.29	2.00	14.4	30.0
2-Methylbutane	Ave	1.335	1.549		2.32	2.00	16.0	30.0
Freon 11	Ave	4.493	5.796		2.58	2.00	29.0	30.0
Acrolein	Ave	0.2220	0.2160		1.95	2.00	-2.7	30.0
Acetonitrile	Ave	0.3935	0.3917		1.99	2.00	-0.4	30.0
Acetone	Ave	0.4720	0.4564		5.80	6.00	-3.3	30.0
Pentane	Ave	0.2329	0.2640		2.27	2.00	13.4	30.0
2-Propanol	Ave	1.250	1.299		6.24	6.00	3.9	30.0
Ethyl ether	Ave	0.8433	0.8536		2.02	2.00	1.2	30.0
1,1-Dichloroethene	Ave	1.376	1.413		2.05	2.00	2.7	30.0
Acrylonitrile	Ave	0.7948	0.7331		1.84	2.00	-7.8	30.0
tert-Butyl alcohol	Ave	1.954	1.897		1.94	2.00	-2.9	30.0
Freon 113	Ave	3.162	3.416		2.16	2.00	8.0	30.0
Methylene Chloride	Lin2		1.795		2.29	2.00	14.7	30.0
3-Chloropropene	Ave	1.181	1.397		2.37	2.00	18.3	30.0
Carbon disulfide	Ave	3.895	4.372		2.25	2.00	12.3	30.0
trans-1,2-Dichloroethene	Ave	1.434	1.531		2.14	2.00	6.8	30.0
2-Methylpentane	Ave	2.911	3.411		2.34	2.00	17.2	30.0
Methyl tert-butyl ether	Ave	3.437	3.173		1.85	2.00	-7.7	30.0
1,1-Dichloroethane	Ave	2.586	2.799		2.16	2.00	8.2	30.0
Vinyl acetate	Ave	2.638	2.489		1.89	2.00	-5.6	30.0
2-Butanone	Ave	0.5964	0.4765		1.60	2.00	-20.1	30.0
Hexane	Ave	1.053	1.116		2.12	2.00	6.0	30.0
Isopropyl ether	Ave	3.797	3.601		1.90	2.00	-5.2	30.0
cis-1,2-Dichloroethene	Ave	1.459	1.480		2.03	2.00	1.4	30.0
Ethyl acetate	Ave	2.272	1.964		1.73	2.00	-13.6	30.0
Chloroform	Ave	3.220	3.508		2.18	2.00	9.0	30.0
Tert-butyl ethyl ether	Ave	3.592	3.358		1.87	2.00	-6.5	30.0
Tetrahydrofuran	Ave	1.280	1.103		1.72	2.00	-13.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Lab Sample ID: CCVIS 140-38633/2 Calibration Date: 03/27/2020 09:01

Instrument ID: MG Calib Start Date: 03/12/2020 15:46

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/13/2020 00:45

Lab File ID: GCCVC27.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	3.490	3.866		2.22	2.00	10.8	30.0
1,2-Dichloroethane	Ave	0.2968	0.3226		2.17	2.00	8.7	30.0
Benzene	Ave	0.5910	0.5720		1.94	2.00	-3.2	30.0
Cyclohexane	Ave	0.1011	0.1058		2.09	2.00	4.6	30.0
1-Butanol	Ave	0.0517	0.0522		2.02	2.00	0.8	30.0
Carbon tetrachloride	Ave	0.4871	0.5802		2.38	2.00	19.1	30.0
2,3-Dimethylpentane	Ave	0.1521	0.1524		2.01	2.00	0.3	30.0
Thiophene	Ave	0.3422	0.3304		1.93	2.00	-3.5	30.0
2,2,4-Trimethylpentane	Ave	0.9758	0.9880		2.03	2.00	1.3	30.0
Heptane	Ave	0.2148	0.2150		2.00	2.00	0.1	30.0
1,2-Dichloropropane	Ave	0.2184	0.2008		1.84	2.00	-8.1	30.0
Trichloroethene	Ave	0.2857	0.2677		1.87	2.00	-6.3	30.0
Dibromomethane	Ave	0.2562	0.2683		2.09	2.00	4.7	30.0
Bromodichloromethane	Ave	0.4309	0.4737		2.20	2.00	9.9	30.0
1,4-Dioxane	Ave	0.0779	0.0677		1.74	2.00	-13.2	30.0
Methyl methacrylate	Ave	0.2054	0.1613		1.57	2.00	-21.5	30.0
Methylcyclohexane	Ave	0.3892	0.4011		2.06	2.00	3.1	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3566	0.2952		1.66	2.00	-17.2	30.0
cis-1,3-Dichloropropene	Ave	0.3081	0.2893		1.88	2.00	-6.1	30.0
trans-1,3-Dichloropropene	Ave	0.2974	0.2668		1.79	2.00	-10.3	30.0
Toluene	Ave	0.7060	0.6318		1.79	2.00	-10.5	30.0
1,1,2-Trichloroethane	Ave	0.2144	0.1982		1.85	2.00	-7.5	30.0
2-Hexanone	Ave	0.1782	0.1476		1.66	2.00	-17.2	30.0
Octane	Ave	0.2603	0.2500		1.92	2.00	-4.0	30.0
Dibromochloromethane	Ave	0.4278	0.4244		1.98	2.00	-0.8	30.0
1,2-Dibromoethane	Ave	0.3633	0.3365		1.85	2.00	-7.4	30.0
Tetrachloroethene	Ave	0.2947	0.2685		1.82	2.00	-8.9	30.0
Chlorobenzene	Ave	0.5957	0.4842		1.63	2.00	-18.7	30.0
2,3-Dimethylheptane	Ave	0.7253	0.7786		2.15	2.00	7.3	30.0
Ethylbenzene	Ave	0.9310	0.7767		1.67	2.00	-16.6	30.0
m-Xylene & p-Xylene	Ave	0.7328	0.6331		3.46	4.00	-13.6	30.0
Nonane	Ave	0.4275	0.4003		1.87	2.00	-6.4	30.0
Bromoform	Ave	0.3764	0.3091		1.64	2.00	-17.9	30.0
Styrene	Ave	0.5240	0.4034		1.54	2.00	-23.0	30.0
o-Xylene	Ave	0.8021	0.7208		1.80	2.00	-10.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5447	0.4911		1.80	2.00	-9.8	30.0
1,2,3-Trichloropropane	Ave	0.1734	0.1441		1.66	2.00	-16.9	30.0
Cumene	Ave	1.092	0.9271		1.70	2.00	-15.1	30.0
Propylbenzene	Ave	0.2952	0.2216		1.50	2.00	-24.9	30.0
2-Chlorotoluene	Ave	0.2927	0.2240		1.53	2.00	-23.5	30.0
4-Ethyltoluene	Ave	0.9922	0.8329		1.68	2.00	-16.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Lab Sample ID: CCVIS 140-38633/2 Calibration Date: 03/27/2020 09:01

Instrument ID: MG Calib Start Date: 03/12/2020 15:46

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/13/2020 00:45

Lab File ID: GCCVC27.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	0.4481	0.3388		1.51	2.00	-24.4	30.0
Alpha Methyl Styrene	Ave	0.4193	0.2957		1.41	2.00	-29.5	30.0
Decane	Ave	0.5609	0.4777		1.70	2.00	-14.8	30.0
tert-Butylbenzene	Ave	1.000	0.8134		1.63	2.00	-18.6	30.0
1,2,4-Trimethylbenzene	Ave	0.9465	0.7610		1.61	2.00	-19.6	30.0
sec-Butylbenzene	Ave	1.338	1.109		1.66	2.00	-17.2	30.0
1,3-Dichlorobenzene	Ave	0.6196	0.4885		1.58	2.00	-21.2	30.0
alpha-Chlorotoluene	Ave	0.6687	0.6189		1.85	2.00	-7.4	30.0
1,4-Dichlorobenzene	Ave	0.6160	0.4783		1.55	2.00	-22.4	30.0
4-Isopropyltoluene	Ave	1.126	0.8722		1.55	2.00	-22.5	30.0
1,2,3-Trimethylbenzene	Ave	0.9091	0.7929		1.74	2.00	-12.8	30.0
Butylcyclohexane	Ave	0.7990	0.7081		1.77	2.00	-11.4	30.0
1,2-Dichlorobenzene	Ave	0.6279	0.4957		1.58	2.00	-21.1	30.0
Indane	Ave	0.8642	0.7043		1.63	2.00	-18.5	30.0
Indene	Ave	0.7308	0.5838		1.60	2.00	-20.1	30.0
Butylbenzene	Ave	1.115	0.9177		1.65	2.00	-17.7	30.0
Undecane	Ave	0.6022	0.4436		1.47	2.00	-26.3	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2568	0.2255		1.76	2.00	-12.2	30.0
1,2,4,5-Tetramethylbenzene	Ave	1.032	0.7681		1.49	2.00	-25.6	30.0
Dodecane	Ave	0.4362	0.3447		1.58	2.00	-21.0	30.0
1,2,4-Trichlorobenzene	Ave	0.4731	0.3142		1.33	2.00	-33.6*	30.0
Naphthalene	Ave	1.158	0.7987		1.38	2.00	-31.0*	30.0
Hexachlorobutadiene	Ave	0.5405	0.3545		1.31	2.00	-34.4*	30.0
1,2,3-Trichlorobenzene	Ave	0.4671	0.2906		1.24	2.00	-37.8*	30.0
2-Methylnaphthalene	Ave	0.2812	0.2381		1.69	2.00	-15.3	50.0
1-Methylnaphthalene	Ave	0.3310	0.3190		1.93	2.00	-3.6	50.0
4-Bromofluorobenzene (Surr)	Ave	0.7153	0.7736		4.33	4.00	8.2	30.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\GCCVC27.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 27-Mar-2020 09:01:30 ALS Bottle#: 16 Worklist Smp#: 2
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015043-002
Misc. Info.: P108
Operator ID: 7126 Instrument ID: MG
Sublist: chrom-MG_TO15*sub17

Method: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 30-Mar-2020 09:47:03 Calib Date: 13-Mar-2020 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0312

First Level Reviewer: khachitpongpanits Date: 30-Mar-2020 09:47:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.892	8.892	0.000	93	217178	4.00	4.00	s
* 2 1,4-Difluorobenzene	114	11.076	11.076	0.000	96	1522353	4.00	4.00	s
* 3 Chlorobenzene-d5 (IS)	117	15.789	15.789	0.000	90	1329759	4.00	4.00	s
$ 4 4-Bromofluorobenzene (Surr	95	17.428	17.428	0.000	83	1028757	4.00	4.33	
6 Chlorodifluoromethane	51	3.721	3.721	0.000	97	307210	2.00	2.51	
7 Propene	41	3.732	3.732	0.000	99	189835	2.00	2.67	
8 Dichlorodifluoromethane	85	3.786	3.786	0.000	100	567150	2.00	2.48	
9 Chloromethane	52	3.969	3.969	0.000	98	49781	2.00	2.38	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.974	3.974	0.000	93	331756	2.00	2.18	
11 Acetaldehyde	44	4.125	4.125	0.000	96	281853	10.0	10.8	
12 Vinyl chloride	62	4.141	4.141	0.000	99	182155	2.00	2.29	
14 Butadiene	54	4.228	4.228	0.000	68	130835	2.00	2.36	
13 Butane	43	4.228	4.228	0.000	85	259151	2.00	2.29	
15 Bromomethane	94	4.551	4.551	0.000	98	176353	2.00	2.28	
16 Chloroethane	64	4.697	4.697	0.000	96	87179	2.00	2.30	
17 Ethanol	31	4.810	4.810	0.000	99	293720	10.0	11.3	
18 Vinyl bromide	106	4.999	4.999	0.000	97	167697	2.00	2.29	
19 2-Methylbutane	43	5.053	5.053	0.000	89	168167	2.00	2.32	
20 Trichlorofluoromethane	101	5.274	5.274	0.000	99	629413	2.00	2.58	
21 Acrolein	56	5.285	5.285	0.000	95	23456	2.00	1.95	
22 Acetonitrile	40	5.355	5.355	0.000	98	42538	2.00	1.99	
23 Acetone	58	5.403	5.403	0.000	100	148693	6.00	5.80	
24 Pentane	72	5.495	5.495	0.000	95	28670	2.00	2.27	
25 Isopropyl alcohol	45	5.511	5.511	0.000	98	423271	6.00	6.24	
26 Ethyl ether	31	5.667	5.667	0.000	91	92693	2.00	2.02	
27 1,1-Dichloroethene	96	5.986	5.986	0.000	95	153471	2.00	2.05	
28 Acrylonitrile	53	6.099	6.099	0.000	96	79607	2.00	1.84	
30 2-Methyl-2-propanol	59	6.131	6.131	0.000	96	206011	2.00	1.94	
29 1,1,2-Trichloro-1,2,2-trif	101	6.164	6.164	0.000	91	370941	2.00	2.16	
31 Methylene Chloride	84	6.336	6.336	0.000	97	194930	2.00	2.29	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
32 3-Chloro-1-propene	39	6.352	6.352	0.000	98	151657	2.00	2.37	
33 Carbon disulfide	76	6.498	6.498	0.000	100	474775	2.00	2.25	
34 trans-1,2-Dichloroethene	96	7.150	7.150	0.000	97	166256	2.00	2.14	
35 2-Methylpentane	43	7.167	7.167	0.000	93	370383	2.00	2.34	
36 Methyl tert-butyl ether	73	7.291	7.291	0.000	96	344507	2.00	1.85	
37 1,1-Dichloroethane	63	7.571	7.571	0.000	100	303928	2.00	2.16	
38 Vinyl acetate	43	7.679	7.679	0.000	99	270301	2.00	1.89	
39 2-Butanone (MEK)	72	8.132	8.132	0.000	96	51741	2.00	1.60	
40 Hexane	56	8.153	8.153	0.000	90	121207	2.00	2.12	
41 Isopropyl ether	45	8.315	8.315	0.000	95	391045	2.00	1.90	
42 cis-1,2-Dichloroethene	96	8.558	8.558	0.000	97	160684	2.00	2.03	
43 Ethyl acetate	43	8.752	8.752	0.000	99	213300	2.00	1.73	
44 Chloroform	83	8.903	8.903	0.000	95	380905	2.00	2.18	
45 Tert-butyl ethyl ether	59	8.995	8.995	0.000	96	364639	2.00	1.87	
46 Tetrahydrofuran	42	9.318	9.318	0.000	93	119733	2.00	1.72	
47 1,1,1-Trichloroethane	97	9.933	9.933	0.000	96	419841	2.00	2.22	
48 1,2-Dichloroethane	62	10.046	10.046	0.000	99	245553	2.00	2.17	
49 Cyclohexane	69	10.531	10.531	0.000	85	80496	2.00	2.09	
50 Benzene	78	10.531	10.531	0.000	97	435353	2.00	1.94	
51 n-Butanol	31	10.548	10.548	0.000	68	39694	2.00	2.02	
52 Carbon tetrachloride	117	10.558	10.558	0.000	98	441642	2.00	2.38	
53 2,3-Dimethylpentane	71	10.650	10.650	0.000	90	116036	2.00	2.01	
54 Thiophene	84	10.806	10.806	0.000	96	251482	2.00	1.93	
55 Isooctane	57	11.292	11.292	0.000	98	752060	2.00	2.03	
56 n-Heptane	71	11.664	11.664	0.000	91	163665	2.00	2.00	
57 1,2-Dichloropropane	63	11.745	11.745	0.000	86	152853	2.00	1.84	
58 Trichloroethene	130	11.782	11.782	0.000	93	203747	2.00	1.87	
59 Dibromomethane	93	11.863	11.863	0.000	87	204243	2.00	2.09	
60 Dichlorobromomethane	83	12.009	12.009	0.000	98	360530	2.00	2.20	
61 1,4-Dioxane	88	12.041	12.041	0.000	94	51501	2.00	1.74	
62 Methyl methacrylate	41	12.106	12.106	0.000	94	122755	2.00	1.57	
63 Methylcyclohexane	83	12.554	12.554	0.000	96	305330	2.00	2.06	
64 4-Methyl-2-pentanone (MIBK	43	12.963	12.963	0.000	98	224712	2.00	1.66	
65 cis-1,3-Dichloropropene	75	13.006	13.006	0.000	95	220184	2.00	1.88	
66 trans-1,3-Dichloropropene	75	13.697	13.697	0.000	97	177369	2.00	1.79	
67 Toluene	91	13.826	13.826	0.000	94	420041	2.00	1.79	
68 1,1,2-Trichloroethane	83	13.896	13.896	0.000	97	131798	2.00	1.85	
69 2-Hexanone	58	14.290	14.290	0.000	92	98124	2.00	1.66	
70 n-Octane	85	14.511	14.511	0.000	92	166210	2.00	1.92	
71 Chlorodibromomethane	129	14.597	14.597	0.000	97	282162	2.00	1.98	
72 Ethylene Dibromide	107	14.888	14.888	0.000	97	223700	2.00	1.85	
73 Tetrachloroethene	129	14.964	14.964	0.000	88	178533	2.00	1.82	
75 Chlorobenzene	112	15.837	15.837	0.000	92	321957	2.00	1.63	
74 2,3-Dimethylheptane	43	15.854	15.854	0.000	94	517663	2.00	2.15	
78 Ethylbenzene	91	16.123	16.123	0.000	99	516417	2.00	1.67	
79 m-Xylene & p-Xylene	91	16.285	16.285	0.000	100	841813	4.00	3.46	
80 n-Nonane	57	16.706	16.706	0.000	91	266140	2.00	1.87	
81 Bromoform	173	16.733	16.733	0.000	93	205495	2.00	1.64	
82 Styrene	104	16.749	16.749	0.000	99	268182	2.00	1.54	
83 o-Xylene	91	16.813	16.813	0.000	97	479229	2.00	1.80	
84 1,1,2,2-Tetrachloroethane	83	17.132	17.132	0.000	99	326530	2.00	1.80	
85 1,2,3-Trichloropropane	110	17.293	17.293	0.000	97	95818	2.00	1.66	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
86 Isopropylbenzene	105	17.396	17.396	0.000	97	616390	2.00	1.70	
87 N-Propylbenzene	120	17.935	17.935	0.000	98	147311	2.00	1.50	
88 2-Chlorotoluene	126	17.978	17.978	0.000	97	148956	2.00	1.53	
89 4-Ethyltoluene	105	18.086	18.086	0.000	99	553768	2.00	1.68	
90 1,3,5-Trimethylbenzene	120	18.156	18.156	0.000	91	225265	2.00	1.51	
92 Alpha Methyl Styrene	118	18.388	18.388	0.000	88	196612	2.00	1.41	
93 n-Decane	57	18.442	18.442	0.000	93	317604	2.00	1.70	
94 tert-Butylbenzene	119	18.577	18.577	0.000	90	540787	2.00	1.63	
95 1,2,4-Trimethylbenzene	105	18.593	18.593	0.000	96	506000	2.00	1.61	
96 sec-Butylbenzene	105	18.846	18.846	0.000	98	737076	2.00	1.66	
97 1,3-Dichlorobenzene	146	18.863	18.863	0.000	98	324758	2.00	1.58	
98 Benzyl chloride	91	18.933	18.933	0.000	98	411465	2.00	1.85	
99 1,4-Dichlorobenzene	146	18.949	18.949	0.000	93	318002	2.00	1.55	
100 4-Isopropyltoluene	119	19.008	19.008	0.000	96	579920	2.00	1.55	
101 1,2,3-Trimethylbenzene	105	19.062	19.062	0.000	99	527191	2.00	1.74	
102 Butylcyclohexane	83	19.116	19.116	0.000	95	470817	2.00	1.77	
103 2,3-Dihydroindene	117	19.305	19.305	0.000	92	468300	2.00	1.63	
104 1,2-Dichlorobenzene	146	19.305	19.305	0.000	81	329582	2.00	1.58	
106 Indene	116	19.434	19.434	0.000	90	388155	2.00	1.60	
105 n-Butylbenzene	91	19.440	19.440	0.000	97	610131	2.00	1.65	
107 Undecane	57	19.747	19.747	0.000	95	294964	2.00	1.47	
108 1,2-Dibromo-3-Chloropropan	157	19.903	19.903	0.000	93	149914	2.00	1.76	
109 1,2,4,5-Tetramethylbenzene	119	20.189	20.189	0.000	96	510708	2.00	1.49	
110 Dodecane	57	20.798	20.798	0.000	94	229155	2.00	1.58	
111 1,2,4-Trichlorobenzene	180	20.998	20.998	0.000	93	208896	2.00	1.33	
112 Naphthalene	128	21.133	21.133	0.000	99	531068	2.00	1.38	
113 Hexachlorobutadiene	225	21.343	21.343	0.000	89	235694	2.00	1.31	
114 1,2,3-Trichlorobenzene	180	21.413	21.413	0.000	93	193205	2.00	1.24	
115 2-Methylnaphthalene	142	22.179	22.179	0.000	99	158293	2.00	1.69	
116 1-Methylnaphthalene	142	22.351	22.351	0.000	98	212086	2.00	1.93	
A 122 C8 Range	1	14.506	(14.452-14.570)		0	1545862	2.00	2.06	
S 123 1,2-Dichloroethene, Total	1				0		4.00	4.16	
S 124 Xylenes, Total	100				0		6.00	5.25	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

40CV101P_00108	Amount Added: 100.00	Units: ml	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

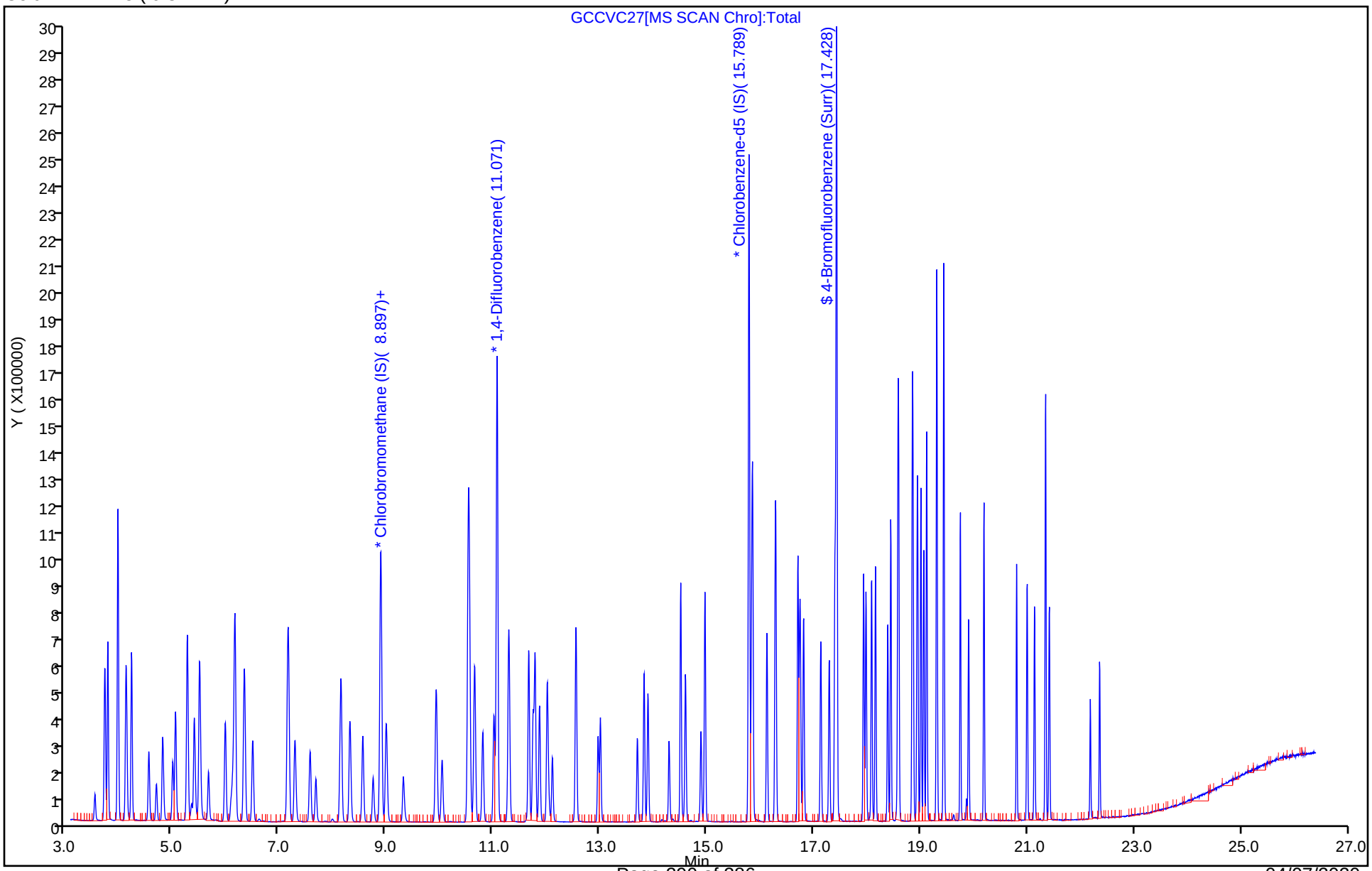
Report Date: 30-Mar-2020 09:47:09 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\GCCVC27.D

Injection Date:	27-Mar-2020 09:01:30	Instrument ID:	MG	Operator ID:	7126
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MG_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.: 140-18683-1

SDG No.:

Lab Sample ID: ICV 140-38415/18 Calibration Date: 03/18/2020 14:14

Instrument ID: MH Calib Start Date: 03/18/2020 02:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/18/2020 11:50

Lab File ID: HC18LCS.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	3.474	3.593		1.03	1.00	3.4	35.0
Propene	Lin1		2.308		1.01	1.00	1.2	35.0
Dichlorodifluoromethane	Ave	5.126	5.678		1.11	1.00	10.8	35.0
Chloromethane	Ave	0.4708	0.4907		1.04	1.00	4.2	35.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	Ave	2.933	3.268		1.11	1.00	11.4	35.0
Acetaldehyde	Ave	0.6405	0.4762			5.00	-25.6	35.0
Vinyl chloride	Ave	1.652	1.646		0.997	1.00	-0.3	35.0
1,3-Butadiene	Ave	1.215	1.318		1.08	1.00	8.5	35.0
Butane	Ave	2.077	2.288		1.10	1.00	10.1	35.0
Bromomethane	Ave	1.724	1.824		1.06	1.00	5.8	35.0
Chloroethane	Ave	0.7737	0.8162		1.05	1.00	5.5	35.0
Ethanol	Ave	0.5816	0.4736		4.07	5.00	-18.6	35.0
Vinyl bromide	Ave	1.630	1.875		1.15	1.00	15.0	35.0
2-Methylbutane	Ave	1.747	1.949		1.12	1.00	11.6	35.0
Trichlorofluoromethane	Ave	5.064	5.423		1.07	1.00	7.1	35.0
Acrolein	Lin2		0.7451		1.22	1.00	21.9	35.0
Acetonitrile	Ave	0.7974	0.8173		1.03	1.00	2.5	35.0
Acetone	Ave	0.9630	0.9594			1.00	-0.4	35.0
Isopropyl alcohol	Ave	2.616	3.347		1.28	1.00	27.9	35.0
Pentane	Ave	0.2488	0.2967		1.19	1.00	19.2	35.0
Ethyl ether	Ave	1.833	2.011		1.10	1.00	9.7	35.0
1,1-Dichloroethene	Ave	1.923	2.021		1.05	1.00	5.1	35.0
tert-Butyl alcohol	Ave	3.060	3.368		1.10	1.00	10.0	35.0
Acrylonitrile	Ave	1.442	1.642		1.14	1.00	13.9	35.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	4.068	4.503		1.11	1.00	10.7	35.0
Methylene Chloride	Lin2		2.741		1.10	1.00	10.1	35.0
3-Chloropropene	Ave	1.548	1.635		1.06	1.00	5.6	35.0
Carbon disulfide	Ave	5.514	5.978		1.08	1.00	8.4	35.0
trans-1,2-Dichloroethene	Ave	1.865	2.017		1.08	1.00	8.1	35.0
2-Methylpentane	Ave	3.995	4.007		1.00	1.00	0.3	35.0
Methyl tert-butyl ether	Ave	4.509	4.981		1.10	1.00	10.5	35.0
1,1-Dichloroethane	Ave	3.630	3.867		1.07	1.00	6.5	35.0
Vinyl acetate	Ave	5.094	5.707		1.12	1.00	12.0	35.0
2-Butanone	Ave	0.9282	0.9556		1.03	1.00	2.9	35.0
Hexane	Ave	1.483	1.594		1.07	1.00	7.5	35.0
Isopropyl ether	Ave	6.549	7.229		1.10	1.00	10.4	35.0
cis-1,2-Dichloroethene	Ave	1.978	2.182		1.10	1.00	10.3	35.0
Ethyl acetate	Ave	4.306	4.507		1.05	1.00	4.7	35.0
Chloroform	Ave	4.308	4.579		1.06	1.00	6.3	35.0
Tert-butyl ethyl ether	Ave	5.629	5.724		1.02	1.00	1.7	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Lab Sample ID: ICV 140-38415/18 Calibration Date: 03/18/2020 14:14

Instrument ID: MH Calib Start Date: 03/18/2020 02:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/18/2020 11:50

Lab File ID: HC18LCS.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	2.023	2.183		1.08	1.00	7.9	35.0
1,1,1-Trichloroethane	Ave	4.082	4.364		1.07	1.00	6.9	35.0
1,2-Dichloroethane	Ave	0.4065	0.4399		1.08	1.00	8.2	35.0
1-Butanol	Ave	0.1029	0.1097		1.07	1.00	6.6	35.0
Cyclohexane	Ave	0.1260	0.1388		1.10	1.00	10.2	35.0
Benzene	Ave	0.8472	0.9362		1.11	1.00	10.5	35.0
Carbon tetrachloride	Ave	0.5652	0.6347		1.12	1.00	12.3	35.0
2,3-Dimethylpentane	Ave	0.1800	0.1900		1.06	1.00	5.6	35.0
Thiophene	Ave	0.4947	0.5212		1.05	1.00	5.3	35.0
2,2,4-Trimethylpentane	Ave	1.367	1.514		1.11	1.00	10.8	35.0
Heptane	Ave	0.2716	0.2938		1.08	1.00	8.2	35.0
1,2-Dichloropropane	Ave	0.3414	0.3776		1.11	1.00	10.6	35.0
Trichloroethene	Ave	0.3534	0.3859		1.09	1.00	9.2	35.0
Dibromomethane	Ave	0.3855	0.4297		1.11	1.00	11.5	35.0
Bromodichloromethane	Ave	0.6437	0.7084		1.10	1.00	10.0	35.0
1,4-Dioxane	Ave	0.1240	0.1373		1.11	1.00	10.7	35.0
Methyl methacrylate	Ave	0.3621	0.3920		1.08	1.00	8.2	35.0
Methylcyclohexane	Ave	0.5153	0.6443		1.25	1.00	25.0	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6972	0.7545		1.08	1.00	8.2	35.0
cis-1,3-Dichloropropene	Ave	0.4833	0.5474		1.13	1.00	13.3	35.0
trans-1,3-Dichloropropene	Ave	0.5233	0.5930		1.13	1.00	13.3	35.0
Toluene	Ave	1.185	1.333		1.13	1.00	12.5	35.0
1,1,2-Trichloroethane	Ave	0.3946	0.4395		1.11	1.00	11.4	35.0
2-Hexanone	Ave	0.4084	0.4578		1.12	1.00	12.1	35.0
Octane	Ave	0.3456	0.3926		1.14	1.00	13.6	35.0
Dibromochloromethane	Ave	0.7222	0.8151		1.13	1.00	12.9	35.0
1,2-Dibromoethane (EDB)	Ave	0.6943	0.7855		1.13	1.00	13.1	35.0
Tetrachloroethene	Ave	0.4225	0.4734		1.12	1.00	12.0	35.0
Chlorobenzene	Ave	0.9005	1.014		1.13	1.00	12.6	35.0
2,3-Dimethylheptane	Ave	1.063	1.094		1.03	1.00	3.0	35.0
Ethylbenzene	Ave	1.514	1.738		1.15	1.00	14.8	35.0
m-Xylene & p-Xylene	Ave	1.153	1.341		2.33	2.00	16.3	35.0
Nonane	Ave	0.7752	0.8930		1.15	1.00	15.2	35.0
Bromoform	Lin2		0.7619		1.04	1.00	4.3	35.0
Styrene	Ave	0.8148	0.9791		1.20	1.00	20.2	35.0
o-Xylene	Ave	1.196	1.362		1.14	1.00	13.9	35.0
1,1,2,2-Tetrachloroethane	Ave	0.9932	1.154		1.16	1.00	16.2	35.0
1,2,3-Trichloropropane	Ave	0.2295	0.2656		1.16	1.00	15.7	35.0
Isopropylbenzene	Ave	1.575	1.831		1.16	1.00	16.3	35.0
Propylbenzene	Ave	0.4284	0.4927		1.15	1.00	15.0	35.0
2-Chlorotoluene	Ave	0.4059	0.4628		1.14	1.00	14.0	35.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Lab Sample ID: ICV 140-38415/18 Calibration Date: 03/18/2020 14:14

Instrument ID: MH Calib Start Date: 03/18/2020 02:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/18/2020 11:50

Lab File ID: HC18LCS.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Ethyltoluene	Ave	1.619	1.730		1.07	1.00	6.8	35.0
1,3,5-Trimethylbenzene	Ave	0.6415	0.8001		1.25	1.00	24.7	35.0
Alpha Methyl Styrene	Ave	0.6433	0.7397		1.15	1.00	15.0	35.0
Decane	Ave	0.998	1.120		1.12	1.00	12.2	35.0
tert-Butylbenzene	Ave	1.335	1.518		1.14	1.00	13.7	35.0
1,2,4-Trimethylbenzene	Ave	1.338	1.510		1.13	1.00	12.9	35.0
sec-Butylbenzene	Ave	1.923	2.204		1.15	1.00	14.6	35.0
1,3-Dichlorobenzene	Ave	0.8467	0.9742		1.15	1.00	15.1	35.0
Benzyl chloride	Ave	0.9687	1.138		1.17	1.00	17.5	35.0
1,4-Dichlorobenzene	Ave	0.8319	0.9395		1.13	1.00	12.9	35.0
4-Isopropyltoluene	Ave	1.512	1.707		1.13	1.00	12.9	35.0
1,2,3-Trimethylbenzene	Ave	1.343	1.111		0.828	1.00	-17.2	35.0
Butylcyclohexane	Ave	1.101	1.159		1.05	1.00	5.3	35.0
Indane	Ave	1.206	1.335		1.11	1.00	10.7	35.0
1,2-Dichlorobenzene	Ave	0.8453	0.9540		1.13	1.00	12.9	35.0
Indene	Ave	1.058	1.031		0.974	1.00	-2.6	35.0
Butylbenzene	Ave	1.585	1.866		1.18	1.00	17.7	35.0
Undecane	Ave	1.065	1.216		1.14	1.00	14.2	35.0
1,2-Dibromo-3-Chloropropane	Ave	0.4598	0.4068		0.885	1.00	-11.5	35.0
1,2,4,5-Tetramethylbenzene	Ave	1.473	1.490		1.01	1.00	1.2	35.0
Dodecane	Ave	0.9939	1.128		1.13	1.00	13.5	35.0
1,2,4-Trichlorobenzene	Ave	0.6593	0.7367		1.12	1.00	11.7	35.0
Naphthalene	Ave	1.574	1.642		1.04	1.00	4.3	35.0
Hexachlorobutadiene	Lin1		0.8491		1.21	1.00	21.0	35.0
1,2,3-Trichlorobenzene	Lin1		0.7449		1.18	1.00	18.0	35.0
2-Methylnaphthalene	Ave	0.2527	0.3040		1.20	1.00	20.3	50.0
1-Methylnaphthalene	Ave	0.3572	0.3590		1.01	1.00	0.5	50.0
4-Bromofluorobenzene (Surr)	Ave	0.6781	0.6938		4.09	4.00	2.3	35.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18LCS.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 18-Mar-2020 14:14:30 ALS Bottle#: 10 Worklist Smp#: 18
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014958-018
Misc. Info.: S113
Operator ID: HMT Instrument ID: MH
Sublist:

Method: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 19-Mar-2020 12:15:19 Calib Date: 18-Mar-2020 11:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0328

First Level Reviewer: tajh Date: 18-Mar-2020 14:44:39

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	8.587	8.592	-0.005	95	252874	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.789	10.797	-0.008	95	1669398	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.576	-0.001	88	1367745	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.239	17.225	0.014	90	948924	4.00	4.09	
6 Chlorodifluoromethane	51	3.543	3.547	-0.004	96	227121	1.00	1.03	
7 Propene	41	3.553	3.557	-0.004	99	145908	1.00	1.01	
8 Dichlorodifluoromethane	85	3.605	3.606	-0.001	100	358971	1.00	1.11	
9 Chloromethane	52	3.781	3.781	0.000	97	31022	1.00	1.04	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.786	3.787	-0.001	94	206577	1.00	1.11	
11 Acetaldehyde	44	3.926	3.931	-0.005	95	150527	5.00	3.72	
12 Vinyl chloride	62	3.946	3.946	0.000	99	104083	1.00	1.00	
13 Butane	43	4.029	4.029	0.000	84	144614	1.00	1.10	
14 Butadiene	54	4.029	4.029	0.000	70	83319	1.00	1.08	
15 Bromomethane	94	4.334	4.340	-0.006	99	115280	1.00	1.06	
16 Chloroethane	64	4.468	4.474	-0.006	95	51598	1.00	1.05	
17 Ethanol	31	4.561	4.573	-0.012	91	149689	5.00	4.07	
18 Vinyl bromide	106	4.758	4.764	-0.006	98	118531	1.00	1.15	
19 2-Methylbutane	43	4.809	4.811	-0.002	90	123211	1.00	1.12	
20 Trichlorofluoromethane	101	5.021	5.025	-0.004	99	342845	1.00	1.07	
21 Acrolein	56	5.032	5.040	-0.008	93	47105	1.00	1.22	
22 Acetonitrile	40	5.099	5.106	-0.007	99	51670	1.00	1.03	
23 Acetone	58	5.151	5.153	-0.003	97	60653	1.00	1.00	
25 Isopropyl alcohol	45	5.228	5.244	-0.016	93	211618	1.00	1.28	
24 Pentane	72	5.238	5.241	-0.003	97	18755	1.00	1.19	
26 Ethyl ether	31	5.404	5.409	-0.005	97	127113	1.00	1.10	
27 1,1-Dichloroethene	96	5.714	5.717	-0.003	97	127751	1.00	1.05	
29 2-Methyl-2-propanol	59	5.812	5.835	-0.023	96	212914	1.00	1.10	
28 Acrylonitrile	53	5.822	5.826	-0.004	95	103813	1.00	1.14	
30 1,1,2-Trichloro-1,2,2-trif	101	5.884	5.890	-0.006	95	284686	1.00	1.11	
31 Methylene Chloride	84	6.060	6.065	-0.005	96	173252	1.00	1.10	

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	6.078	-0.008	95	103357	1.00	1.06	
33 Carbon disulfide	76	6.215	6.221	-0.006	98	377934	1.00	1.08	
34 trans-1,2-Dichloroethene	96	6.856	6.862	-0.006	97	127519	1.00	1.08	
35 2-Methylpentane	43	6.872	6.877	-0.005	95	253294	1.00	1.00	
36 Methyl tert-butyl ether	73	6.980	6.994	-0.014	97	314897	1.00	1.10	
37 1,1-Dichloroethane	63	7.275	7.282	-0.007	100	244474	1.00	1.07	
38 Vinyl acetate	43	7.378	7.387	-0.009	100	360796	1.00	1.12	
39 2-Butanone (MEK)	72	7.828	7.836	-0.008	97	60413	1.00	1.03	
40 Hexane	56	7.848	7.852	-0.004	87	100768	1.00	1.07	
41 Isopropyl ether	45	8.003	8.016	-0.013	99	457002	1.00	1.10	
42 cis-1,2-Dichloroethene	96	8.257	8.261	-0.004	95	137947	1.00	1.10	
43 Ethyl acetate	43	8.438	8.452	-0.014	100	284928	1.00	1.05	
44 Chloroform	83	8.603	8.605	-0.002	96	289502	1.00	1.06	
45 Tert-butyl ethyl ether	59	8.675	8.692	-0.017	96	361867	1.00	1.02	
46 Tetrahydrofuran	42	8.996	9.012	-0.016	93	138027	1.00	1.08	
47 1,1,1-Trichloroethane	97	9.621	9.628	-0.007	96	275877	1.00	1.07	
48 1,2-Dichloroethane	62	9.735	9.743	-0.008	97	183606	1.00	1.08	
49 n-Butanol	31	10.190	10.209	-0.019	71	45772	1.00	1.07	
50 Cyclohexane	69	10.226	10.232	-0.006	82	57926	1.00	1.10	
51 Benzene	78	10.231	10.237	-0.006	97	390704	1.00	1.11	
52 Carbon tetrachloride	117	10.252	10.258	-0.006	97	264883	1.00	1.12	
53 2,3-Dimethylpentane	71	10.350	10.357	-0.007	90	79307	1.00	1.06	
54 Thiophene	84	10.510	10.518	-0.008	96	217516	1.00	1.05	
55 Isooctane	57	11.006	11.010	-0.004	98	631852	1.00	1.11	
56 n-Heptane	71	11.394	11.396	-0.002	91	122630	1.00	1.08	
57 1,2-Dichloropropane	63	11.477	11.482	-0.005	94	157572	1.00	1.11	
58 Trichloroethene	130	11.513	11.518	-0.005	96	161053	1.00	1.09	
59 Dibromomethane	93	11.601	11.605	-0.004	96	179349	1.00	1.11	
60 Dichlorobromomethane	83	11.745	11.753	-0.008	98	295644	1.00	1.10	
61 1,4-Dioxane	88	11.761	11.775	-0.014	86	57285	1.00	1.11	
62 Methyl methacrylate	41	11.844	11.853	-0.009	96	163600	1.00	1.08	
63 Methylcyclohexane	83	12.288	12.294	-0.006	95	268883	1.00	1.25	
64 4-Methyl-2-pentanone (MIBK	43	12.707	12.715	-0.008	97	314908	1.00	1.08	
65 cis-1,3-Dichloropropene	75	12.769	12.769	0.000	93	228471	1.00	1.13	
66 trans-1,3-Dichloropropene	75	13.472	13.475	-0.003	98	202773	1.00	1.13	
67 Toluene	91	13.590	13.593	-0.003	93	455880	1.00	1.13	
68 1,1,2-Trichloroethane	83	13.673	13.674	-0.001	97	150283	1.00	1.11	
69 2-Hexanone	58	14.056	14.062	-0.006	92	156528	1.00	1.12	
70 n-Octane	85	14.288	14.289	-0.001	93	134244	1.00	1.14	
71 Chlorodibromomethane	129	14.376	14.378	-0.002	97	278695	1.00	1.13	
72 Ethylene Dibromide	107	14.671	14.671	0.000	99	268587	1.00	1.13	
73 Tetrachloroethene	129	14.743	14.743	0.000	95	161863	1.00	1.12	
74 Chlorobenzene	112	15.622	15.625	-0.003	93	346602	1.00	1.13	
75 2,3-Dimethylheptane	43	15.642	15.644	-0.002	97	374134	1.00	1.03	
76 Ethylbenzene	91	15.911	15.917	-0.006	99	594162	1.00	1.15	
77 m-Xylene & p-Xylene	91	16.076	16.077	-0.001	99	916991	2.00	2.33	
78 n-Nonane	57	16.500	16.500	0.000	91	305354	1.00	1.15	
79 Bromoform	173	16.526	16.527	-0.001	93	260508	1.00	1.04	
80 Styrene	104	16.542	16.545	-0.003	99	334775	1.00	1.20	
81 o-Xylene	91	16.604	16.604	0.000	98	465791	1.00	1.14	
82 1,1,2,2-Tetrachloroethane	83	16.940	16.933	0.007	98	394670	1.00	1.16	
83 1,2,3-Trichloropropane	110	17.105	17.091	0.014	99	90802	1.00	1.16	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.208	17.194	0.014	95	626187	1.00	1.16	
85 N-Propylbenzene	120	17.756	17.757	-0.001	99	168483	1.00	1.15	
86 2-Chlorotoluene	126	17.803	17.803	0.000	97	158253	1.00	1.14	
87 4-Ethyltoluene	105	17.906	17.916	-0.010	99	591506	1.00	1.07	
88 1,3,5-Trimethylbenzene	120	17.984	17.994	-0.010	92	273577	1.00	1.25	
89 Alpha Methyl Styrene	118	18.216	18.238	-0.022	87	252923	1.00	1.15	
90 n-Decane	57	18.278	18.300	-0.022	89	383062	1.00	1.12	
91 tert-Butylbenzene	119	18.413	18.442	-0.029	90	519131	1.00	1.14	
92 1,2,4-Trimethylbenzene	105	18.423	18.455	-0.032	96	516265	1.00	1.13	
93 sec-Butylbenzene	105	18.681	18.724	-0.043	98	753482	1.00	1.15	
94 1,3-Dichlorobenzene	146	18.697	18.740	-0.043	99	333106	1.00	1.15	
95 Benzyl chloride	91	18.774	18.821	-0.047	97	389082	1.00	1.17	
96 1,4-Dichlorobenzene	146	18.785	18.832	-0.047	93	321258	1.00	1.13	
97 4-Isopropyltoluene	119	18.847	18.895	-0.048	97	583577	1.00	1.13	
98 1,2,3-Trimethylbenzene	105	18.898	18.950	-0.052	99	380057	1.00	0.8279	
99 Butylcyclohexane	83	18.950	19.007	-0.057	93	396241	1.00	1.05	
101 2,3-Dihydroindene	117	19.141	19.207	-0.066	93	456321	1.00	1.11	
100 1,2-Dichlorobenzene	146	19.146	19.208	-0.062	83	326217	1.00	1.13	
102 Indene	116	19.276	19.343	-0.067	90	352490	1.00	0.9742	
103 n-Butylbenzene	91	19.281	19.348	-0.067	97	637915	1.00	1.18	
104 Undecane	57	19.591	19.673	-0.082	95	415897	1.00	1.14	
105 1,2-Dibromo-3-Chloropropan	157	19.751	19.834	-0.083	98	139111	1.00	0.8848	
106 1,2,4,5-Tetramethylbenzene	119	20.035	20.129	-0.094	96	509547	1.00	1.01	
107 Dodecane	57	20.650	20.765	-0.115	97	385663	1.00	1.13	
108 1,2,4-Trichlorobenzene	180	20.847	20.968	-0.121	93	251902	1.00	1.12	
109 Naphthalene	128	20.986	21.114	-0.128	99	561415	1.00	1.04	
110 Hexachlorobutadiene	225	21.203	21.338	-0.135	91	290337	1.00	1.21	
111 1,2,3-Trichlorobenzene	180	21.276	21.411	-0.135	93	254691	1.00	1.18	
112 2-Methylnaphthalene	142	21.963	22.061	-0.098	99	103949	1.00	1.20	
113 1-Methylnaphthalene	142	22.092	22.190	-0.098	99	122759	1.00	1.01	
A 115 C8 Range	1	14.281	(14.237-14.340)		0	1247479	1.00	1.10	
S 116 Xylenes, Total	100				0		3.00	3.47	
S 117 1,2-Dichloroethene, Total	1				0		2.00	2.18	
T 139 2-Methylthiophene TIC	97	13.746	13.746	0.000	95	369596	1.00	1.08	
T 142 3-Methylthiophene TIC	97	13.947	13.947	0.000	99	366049	1.00	1.07	a
T 141 2-Ethylthiophene TIC	97	16.014	16.014	0.000	98	441641	1.00	1.29	
T 152 1,2-Dimethyl-4-Ethylbenzen	119	19.653	19.653	0.000	98	433268	1.00	1.27	a
T 150 1,2,3,4-Tetramethylbenzene	119	20.092	20.092	0.000	97	309620	1.00	0.9055	
T 149 1,2,3,5-Tetramethylbenzene	119	20.485	20.485	0.000	93	420917	1.00	1.23	a
T 151 Benzo(b)thiophene TIC	134	21.095	21.095	0.000	97	277528	1.00	0.8116	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

40CV101S_00113	Amount Added: 50.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

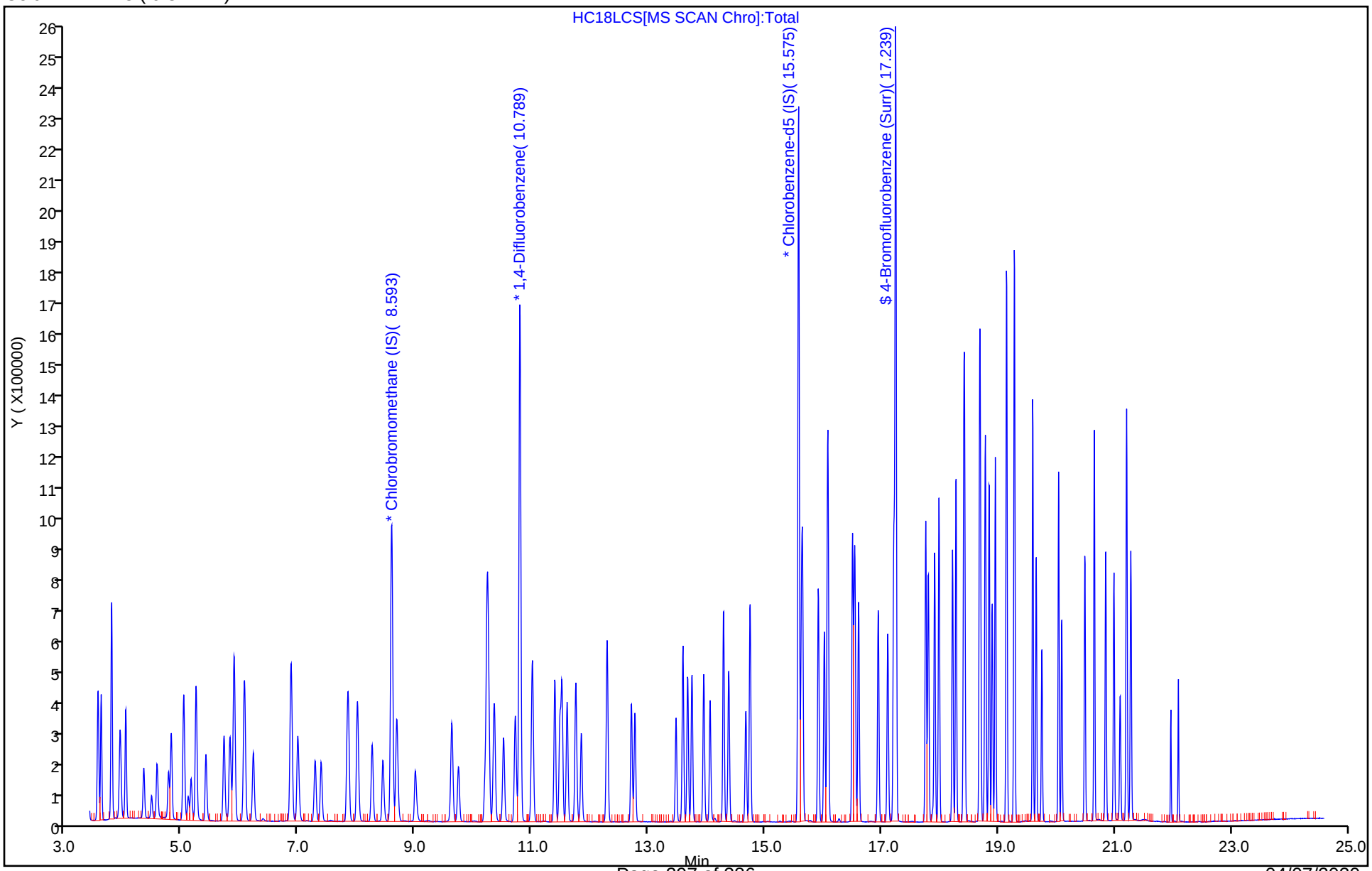
Report Date: 19-Mar-2020 12:15:21 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18LCS.D

Injection Date:	18-Mar-2020 14:14:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	ICV			Worklist Smp#:	18
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
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.: 140-18683-1

SDG No.:

Lab Sample ID: CCVIS 140-38705/2 Calibration Date: 03/30/2020 08:25

Instrument ID: MH Calib Start Date: 03/18/2020 02:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/18/2020 11:50

Lab File ID: HCCVC30.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	3.474	4.081		1.17	1.00	17.5	30.0
Propene	Lin1		2.621		1.23	1.00	23.4	30.0
Dichlorodifluoromethane	Ave	5.126	6.184		1.21	1.00	20.6	30.0
Chloromethane	Ave	0.4708	0.6179		1.31	1.00	31.2*	30.0
1,2-Dichloro-1,1,2,2-tetrafluoroethane	Ave	2.933	3.636		1.24	1.00	23.9	30.0
Acetaldehyde	Ave	0.6405	0.7951		6.21	5.00	24.1	30.0
Vinyl chloride	Ave	1.652	1.990		1.20	1.00	20.4	30.0
1,3-Butadiene	Ave	1.215	1.441		1.19	1.00	18.6	30.0
Butane	Ave	2.077	2.692		1.30	1.00	29.6	30.0
Bromomethane	Ave	1.724	2.129		1.24	1.00	23.5	30.0
Chloroethane	Ave	0.7737	0.9298		1.20	1.00	20.2	30.0
Ethanol	Ave	0.5816	0.7503		6.45	5.00	29.0	30.0
Vinyl bromide	Ave	1.630	1.962		1.20	1.00	20.3	30.0
2-Methylbutane	Ave	1.747	2.175		1.24	1.00	24.5	30.0
Trichlorofluoromethane	Ave	5.064	5.720		1.13	1.00	13.0	30.0
Acrolein	Lin2		0.6876		1.13	1.00	12.6	30.0
Acetonitrile	Ave	0.7974	0.9366		1.17	1.00	17.5	30.0
Acetone	Ave	0.9630	0.9393		2.93	3.00	-2.5	30.0
Isopropyl alcohol	Ave	2.616	2.466		2.83	3.00	-5.7	30.0
Pentane	Ave	0.2488	0.2661		1.07	1.00	6.9	30.0
Ethyl ether	Ave	1.833	2.095		1.14	1.00	14.3	30.0
1,1-Dichloroethene	Ave	1.923	1.924		1.00	1.00	0.0	30.0
tert-Butyl alcohol	Ave	3.060	3.079		1.01	1.00	0.6	30.0
Acrylonitrile	Ave	1.442	1.568		1.09	1.00	8.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	4.068	4.600		1.13	1.00	13.1	30.0
Methylene Chloride	Lin2		2.829		1.15	1.00	15.5	30.0
3-Chloropropene	Ave	1.548	1.659		1.07	1.00	7.2	30.0
Carbon disulfide	Ave	5.514	6.026		1.09	1.00	9.3	30.0
trans-1,2-Dichloroethene	Ave	1.865	1.968		1.06	1.00	5.5	30.0
2-Methylpentane	Ave	3.995	4.375		1.10	1.00	9.5	30.0
Methyl tert-butyl ether	Ave	4.509	4.712		1.05	1.00	4.5	30.0
1,1-Dichloroethane	Ave	3.630	3.864		1.06	1.00	6.4	30.0
Vinyl acetate	Ave	5.094	5.258		1.03	1.00	3.2	30.0
2-Butanone	Ave	0.9282	0.8484		0.914	1.00	-8.6	30.0
Hexane	Ave	1.483	1.546		1.04	1.00	4.3	30.0
Isopropyl ether	Ave	6.549	6.966		1.06	1.00	6.4	30.0
cis-1,2-Dichloroethene	Ave	1.978	2.012		1.02	1.00	1.7	30.0
Ethyl acetate	Ave	4.306	4.614		1.07	1.00	7.2	30.0
Chloroform	Ave	4.308	4.566		1.06	1.00	6.0	30.0
Tert-butyl ethyl ether	Ave	5.629	5.863		1.04	1.00	4.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Lab Sample ID: CCVIS 140-38705/2 Calibration Date: 03/30/2020 08:25

Instrument ID: MH Calib Start Date: 03/18/2020 02:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/18/2020 11:50

Lab File ID: HCCVC30.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	2.023	2.102		1.04	1.00	3.9	30.0
1,1,1-Trichloroethane	Ave	4.082	4.230		1.04	1.00	3.6	30.0
1,2-Dichloroethane	Ave	0.4065	0.4233		1.04	1.00	4.1	30.0
1-Butanol	Ave	0.1029	0.0889		0.864	1.00	-13.6	30.0
Cyclohexane	Ave	0.1260	0.1204		0.955	1.00	-4.5	30.0
Benzene	Ave	0.8472	0.8688		1.03	1.00	2.6	30.0
Carbon tetrachloride	Ave	0.5652	0.6255		1.11	1.00	10.7	30.0
2,3-Dimethylpentane	Ave	0.1800	0.1762		0.979	1.00	-2.1	30.0
Thiophene	Ave	0.4947	0.4979		1.01	1.00	0.6	30.0
2,2,4-Trimethylpentane	Ave	1.367	1.378		1.01	1.00	0.8	30.0
Heptane	Ave	0.2716	0.2576		0.949	1.00	-5.1	30.0
1,2-Dichloropropane	Ave	0.3414	0.3607		1.06	1.00	5.7	30.0
Trichloroethene	Ave	0.3534	0.3482		0.985	1.00	-1.5	30.0
Dibromomethane	Ave	0.3855	0.4098		1.06	1.00	6.3	30.0
Bromodichloromethane	Ave	0.6437	0.6789		1.05	1.00	5.5	30.0
1,4-Dioxane	Ave	0.1240	0.1096		0.884	1.00	-11.6	30.0
Methyl methacrylate	Ave	0.3621	0.3680		1.02	1.00	1.6	30.0
Methylcyclohexane	Ave	0.5153	0.4700		0.912	1.00	-8.8	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.6972	0.7149		1.03	1.00	2.5	30.0
cis-1,3-Dichloropropene	Ave	0.4833	0.4867		1.01	1.00	0.7	30.0
trans-1,3-Dichloropropene	Ave	0.5233	0.4857		0.928	1.00	-7.2	30.0
Toluene	Ave	1.185	1.194		1.01	1.00	0.8	30.0
1,1,2-Trichloroethane	Ave	0.3946	0.4292		1.09	1.00	8.8	30.0
2-Hexanone	Ave	0.4084	0.3917		0.959	1.00	-4.1	30.0
Octane	Ave	0.3456	0.3333		0.964	1.00	-3.6	30.0
Dibromochloromethane	Ave	0.7222	0.7701		1.07	1.00	6.6	30.0
1,2-Dibromoethane (EDB)	Ave	0.6943	0.6967		1.00	1.00	0.3	30.0
Tetrachloroethene	Ave	0.4225	0.4320		1.02	1.00	2.2	30.0
Chlorobenzene	Ave	0.9005	0.9374		1.04	1.00	4.1	30.0
2,3-Dimethylheptane	Ave	1.063	1.242		1.17	1.00	16.9	30.0
Ethylbenzene	Ave	1.514	1.551		1.02	1.00	2.4	30.0
m-Xylene & p-Xylene	Ave	1.153	1.224		2.12	2.00	6.1	30.0
Nonane	Ave	0.7752	0.7890		1.02	1.00	1.8	30.0
Bromoform	Lin2		0.7554		1.03	1.00	3.4	30.0
Styrene	Ave	0.8148	0.8659		1.06	1.00	6.3	30.0
o-Xylene	Ave	1.196	1.304		1.09	1.00	9.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9932	1.155		1.16	1.00	16.3	30.0
1,2,3-Trichloropropane	Ave	0.2295	0.2539		1.11	1.00	10.6	30.0
Isopropylbenzene	Ave	1.575	1.684		1.07	1.00	6.9	30.0
Propylbenzene	Ave	0.4284	0.4377		1.02	1.00	2.2	30.0
2-Chlorotoluene	Ave	0.4059	0.4389		1.08	1.00	8.1	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Lab Sample ID: CCVIS 140-38705/2 Calibration Date: 03/30/2020 08:25

Instrument ID: MH Calib Start Date: 03/18/2020 02:32

GC Column: RTX-5 ID: 0.32(mm) Calib End Date: 03/18/2020 11:50

Lab File ID: HCCVC30.D Conc. Units: ppb v/v Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Ethyltoluene	Ave	1.619	1.713		1.06	1.00	5.8	30.0
1,3,5-Trimethylbenzene	Ave	0.6415	0.6778		1.06	1.00	5.7	30.0
Alpha Methyl Styrene	Ave	0.6433	0.6496		1.01	1.00	1.0	30.0
Decane	Ave	0.998	1.130		1.13	1.00	13.2	30.0
tert-Butylbenzene	Ave	1.335	1.479		1.11	1.00	10.8	30.0
1,2,4-Trimethylbenzene	Ave	1.338	1.511		1.13	1.00	12.9	30.0
sec-Butylbenzene	Ave	1.923	2.196		1.14	1.00	14.2	30.0
1,3-Dichlorobenzene	Ave	0.8467	0.9536		1.13	1.00	12.6	30.0
Benzyl chloride	Ave	0.9687	1.104		1.14	1.00	14.0	30.0
1,4-Dichlorobenzene	Ave	0.8319	0.9041		1.09	1.00	8.7	30.0
4-Isopropyltoluene	Ave	1.512	1.703		1.13	1.00	12.6	30.0
1,2,3-Trimethylbenzene	Ave	1.343	1.540		1.15	1.00	14.7	30.0
Butylcyclohexane	Ave	1.101	1.321		1.20	1.00	20.0	30.0
1,2-Dichlorobenzene	Ave	0.8453	0.9599		1.14	1.00	13.6	30.0
Indane	Ave	1.206	1.415		1.17	1.00	17.4	30.0
Indene	Ave	1.058	1.213		1.15	1.00	14.6	30.0
Butylbenzene	Ave	1.585	1.978		1.25	1.00	24.8	30.0
Undecane	Ave	1.065	1.232		1.16	1.00	15.7	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.4598	0.5055		1.10	1.00	9.9	30.0
1,2,4,5-Tetramethylbenzene	Ave	1.473	1.542		1.05	1.00	4.7	30.0
Dodecane	Ave	0.9939	1.141		1.15	1.00	14.8	30.0
1,2,4-Trichlorobenzene	Ave	0.6593	0.6034		0.915	1.00	-8.5	30.0
Naphthalene	Ave	1.574	1.538		0.978	1.00	-2.2	30.0
Hexachlorobutadiene	Lin1		0.7417		1.05	1.00	4.7	30.0
1,2,3-Trichlorobenzene	Lin1		0.6355		1.00	1.00	0.2	30.0
2-Methylnaphthalene	Ave	0.2527	0.2079			1.00	-17.7	50.0
1-Methylnaphthalene	Ave	0.3572	0.3631		1.02	1.00	1.6	50.0
4-Bromofluorobenzene (Surr)	Ave	0.6781	0.7203		4.25	4.00	6.2	30.0

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\HCCVC30.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 30-Mar-2020 08:25:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015074-002
Misc. Info.: P107
Operator ID: HMT Instrument ID: MH
Sublist: chrom-MH_TO15*sub7

Method: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 31-Mar-2020 13:31:17 Calib Date: 18-Mar-2020 11:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0306

First Level Reviewer: smelcerb Date: 31-Mar-2020 10:06:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.587	8.587	0.000	97	104310	4.00	4.00	s
* 2 1,4-Difluorobenzene	114	10.794	10.794	0.000	95	711171	4.00	4.00	s
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.575	0.000	89	586061	4.00	4.00	s
$ 4 4-Bromofluorobenzene (Surr	95	17.244	17.244	0.000	88	422151	4.00	4.25	
6 Chlorodifluoromethane	51	3.548	3.548	0.000	97	106419	1.00	1.17	
7 Propene	41	3.559	3.559	0.000	99	68359	1.00	1.23	
8 Dichlorodifluoromethane	85	3.610	3.610	0.000	100	161252	1.00	1.21	
9 Chloromethane	52	3.781	3.781	0.000	97	16113	1.00	1.31	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.786	3.786	0.000	95	94814	1.00	1.24	
11 Acetaldehyde	44	3.931	3.931	0.000	99	103672	5.00	6.21	
12 Vinyl chloride	62	3.946	3.946	0.000	99	51884	1.00	1.20	
13 Butane	43	4.029	4.029	0.000	82	70199	1.00	1.30	
14 Butadiene	54	4.029	4.029	0.000	71	37586	1.00	1.19	
15 Bromomethane	94	4.339	4.339	0.000	98	55531	1.00	1.24	
16 Chloroethane	64	4.473	4.473	0.000	97	24247	1.00	1.20	
17 Ethanol	31	4.566	4.566	0.000	95	97828	5.00	6.45	
18 Vinyl bromide	106	4.763	4.763	0.000	97	51151	1.00	1.20	
19 2-Methylbutane	43	4.809	4.809	0.000	90	56707	1.00	1.24	
20 Trichlorofluoromethane	101	5.026	5.026	0.000	100	149153	1.00	1.13	
21 Acrolein	56	5.037	5.037	0.000	94	17930	1.00	1.13	
22 Acetonitrile	40	5.099	5.099	0.000	98	24423	1.00	1.17	
23 Acetone	58	5.145	5.145	0.000	98	73481	3.00	2.93	
25 Isopropyl alcohol	45	5.233	5.233	0.000	94	192929	3.00	2.83	
24 Pentane	72	5.238	5.238	0.000	97	6939	1.00	1.07	
26 Ethyl ether	31	5.404	5.404	0.000	93	54639	1.00	1.14	
27 1,1-Dichloroethene	96	5.714	5.714	0.000	95	50160	1.00	1.00	
29 2-Methyl-2-propanol	59	5.822	5.822	0.000	94	80292	1.00	1.01	
28 Acrylonitrile	53	5.828	5.828	0.000	91	40894	1.00	1.09	
30 1,1,2-Trichloro-1,2,2-trif	101	5.890	5.890	0.000	93	119950	1.00	1.13	
31 Methylene Chloride	84	6.060	6.060	0.000	98	73772	1.00	1.15	

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	43267	1.00	1.07	
33 Carbon disulfide	76	6.220	6.220	0.000	99	157134	1.00	1.09	
34 trans-1,2-Dichloroethene	96	6.861	6.861	0.000	97	51326	1.00	1.06	
35 2-Methylpentane	43	6.872	6.872	0.000	95	114098	1.00	1.10	
36 Methyl tert-butyl ether	73	6.985	6.985	0.000	97	122887	1.00	1.05	
37 1,1-Dichloroethane	63	7.280	7.280	0.000	100	100768	1.00	1.06	
38 Vinyl acetate	43	7.383	7.383	0.000	100	137113	1.00	1.03	
39 2-Butanone (MEK)	72	7.828	7.828	0.000	96	22125	1.00	0.9140	
40 Hexane	56	7.854	7.854	0.000	89	40315	1.00	1.04	
41 Isopropyl ether	45	8.003	8.003	0.000	97	181661	1.00	1.06	
42 cis-1,2-Dichloroethene	96	8.257	8.257	0.000	97	52469	1.00	1.02	
43 Ethyl acetate	43	8.438	8.438	0.000	99	120324	1.00	1.07	
44 Chloroform	83	8.603	8.603	0.000	97	119075	1.00	1.06	
45 Tert-butyl ethyl ether	59	8.680	8.680	0.000	97	152884	1.00	1.04	
46 Tetrahydrofuran	42	9.001	9.001	0.000	93	54807	1.00	1.04	
47 1,1,1-Trichloroethane	97	9.621	9.621	0.000	97	110305	1.00	1.04	
48 1,2-Dichloroethane	62	9.735	9.735	0.000	97	75265	1.00	1.04	
49 n-Butanol	31	10.205	10.205	0.000	83	15800	1.00	0.8637	
50 Cyclohexane	69	10.226	10.226	0.000	79	21398	1.00	0.9553	
51 Benzene	78	10.231	10.231	0.000	97	154462	1.00	1.03	
52 Carbon tetrachloride	117	10.252	10.252	0.000	95	111211	1.00	1.11	
53 2,3-Dimethylpentane	71	10.350	10.350	0.000	90	31318	1.00	0.9788	
54 Thiophene	84	10.515	10.515	0.000	97	88516	1.00	1.01	
55 Isooctane	57	11.006	11.006	0.000	98	245012	1.00	1.01	
56 n-Heptane	71	11.389	11.389	0.000	92	45803	1.00	0.9486	
57 1,2-Dichloropropane	63	11.477	11.477	0.000	92	64128	1.00	1.06	
58 Trichloroethene	130	11.513	11.513	0.000	94	61906	1.00	0.9851	
59 Dibromomethane	93	11.601	11.601	0.000	91	72852	1.00	1.06	
60 Dichlorobromomethane	83	11.745	11.745	0.000	98	120705	1.00	1.05	
61 1,4-Dioxane	88	11.761	11.761	0.000	92	19481	1.00	0.8837	
62 Methyl methacrylate	41	11.844	11.844	0.000	92	65424	1.00	1.02	
63 Methylcyclohexane	83	12.288	12.288	0.000	93	83556	1.00	0.9120	
64 4-Methyl-2-pentanone (MIBK	43	12.707	12.707	0.000	98	127100	1.00	1.03	
65 cis-1,3-Dichloropropene	75	12.763	12.763	0.000	95	86533	1.00	1.01	
66 trans-1,3-Dichloropropene	75	13.472	13.472	0.000	99	71159	1.00	0.9281	
67 Toluene	91	13.590	13.590	0.000	93	174961	1.00	1.01	
68 1,1,2-Trichloroethane	83	13.668	13.668	0.000	97	62889	1.00	1.09	
69 2-Hexanone	58	14.056	14.056	0.000	91	57394	1.00	0.9592	
70 n-Octane	85	14.288	14.288	0.000	94	48829	1.00	0.9643	
71 Chlorodibromomethane	129	14.376	14.376	0.000	97	112837	1.00	1.07	
72 Ethylene Dibromide	107	14.665	14.665	0.000	97	102072	1.00	1.00	
73 Tetrachloroethene	129	14.738	14.738	0.000	91	63293	1.00	1.02	
74 Chlorobenzene	112	15.622	15.622	0.000	92	137349	1.00	1.04	
75 2,3-Dimethylheptane	43	15.642	15.642	0.000	95	181949	1.00	1.17	
76 Ethylbenzene	91	15.911	15.911	0.000	99	227258	1.00	1.02	
77 m-Xylene & p-Xylene	91	16.076	16.076	0.000	99	358577	2.00	2.12	
78 n-Nonane	57	16.495	16.495	0.000	93	115599	1.00	1.02	
79 Bromoform	173	16.526	16.526	0.000	94	110674	1.00	1.03	
80 Styrene	104	16.542	16.542	0.000	99	126862	1.00	1.06	
81 o-Xylene	91	16.604	16.604	0.000	98	191011	1.00	1.09	
82 1,1,2,2-Tetrachloroethane	83	16.940	16.940	0.000	98	169233	1.00	1.16	
83 1,2,3-Trichloropropane	110	17.105	17.105	0.000	97	37197	1.00	1.11	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
84 Isopropylbenzene	105	17.213	17.213	0.000	97	246763	1.00	1.07	
85 N-Propylbenzene	120	17.782	17.782	0.000	98	64133	1.00	1.02	
86 2-Chlorotoluene	126	17.828	17.828	0.000	98	64308	1.00	1.08	
87 4-Ethyltoluene	105	17.942	17.942	0.000	98	251024	1.00	1.06	
88 1,3,5-Trimethylbenzene	120	18.020	18.020	0.000	92	99313	1.00	1.06	
89 Alpha Methyl Styrene	118	18.263	18.263	0.000	85	95178	1.00	1.01	
90 n-Decane	57	18.325	18.325	0.000	89	165591	1.00	1.13	
91 tert-Butylbenzene	119	18.464	18.464	0.000	89	216710	1.00	1.11	
92 1,2,4-Trimethylbenzene	105	18.480	18.480	0.000	97	221361	1.00	1.13	
93 sec-Butylbenzene	105	18.743	18.743	0.000	98	321782	1.00	1.14	
94 1,3-Dichlorobenzene	146	18.759	18.759	0.000	98	139723	1.00	1.13	
95 Benzyl chloride	91	18.841	18.841	0.000	97	161764	1.00	1.14	
96 1,4-Dichlorobenzene	146	18.852	18.852	0.000	92	132471	1.00	1.09	
97 4-Isopropyltoluene	119	18.914	18.914	0.000	96	249532	1.00	1.13	
98 1,2,3-Trimethylbenzene	105	18.971	18.971	0.000	99	225687	1.00	1.15	
99 Butylcyclohexane	83	19.022	19.022	0.000	93	193553	1.00	1.20	
100 1,2-Dichlorobenzene	146	19.224	19.224	0.000	79	140632	1.00	1.14	
101 2,3-Dihydroindene	117	19.224	19.224	0.000	93	207301	1.00	1.17	
102 Indene	116	19.358	19.358	0.000	90	177704	1.00	1.15	
103 n-Butylbenzene	91	19.363	19.363	0.000	96	289736	1.00	1.25	
104 Undecane	57	19.689	19.689	0.000	96	180541	1.00	1.16	
105 1,2-Dibromo-3-Chloropropan	157	19.849	19.849	0.000	95	74068	1.00	1.10	
106 1,2,4,5-Tetramethylbenzene	119	20.139	20.139	0.000	96	225959	1.00	1.05	
107 Dodecane	57	20.769	20.769	0.000	95	167149	1.00	1.15	
108 1,2,4-Trichlorobenzene	180	20.976	20.976	0.000	94	88403	1.00	0.9152	
109 Naphthalene	128	21.121	21.121	0.000	98	225372	1.00	0.9776	
110 Hexachlorobutadiene	225	21.343	21.343	0.000	90	108676	1.00	1.05	
111 1,2,3-Trichlorobenzene	180	21.415	21.415	0.000	93	93110	1.00	1.00	
112 2-Methylnaphthalene	142	22.067	22.067	0.000	96	30465	1.00	0.8229	
113 1-Methylnaphthalene	142	22.191	22.191	0.000	96	53198	1.00	1.02	
A 115 C8 Range	1	14.291	(14.236-14.330)		0	514265	1.00	1.06	
S 116 Xylenes, Total	100				0		3.00	3.21	
S 117 1,2-Dichloroethene, Total	1				0		2.00	2.07	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

40CV101P_00107	Amount Added: 50.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

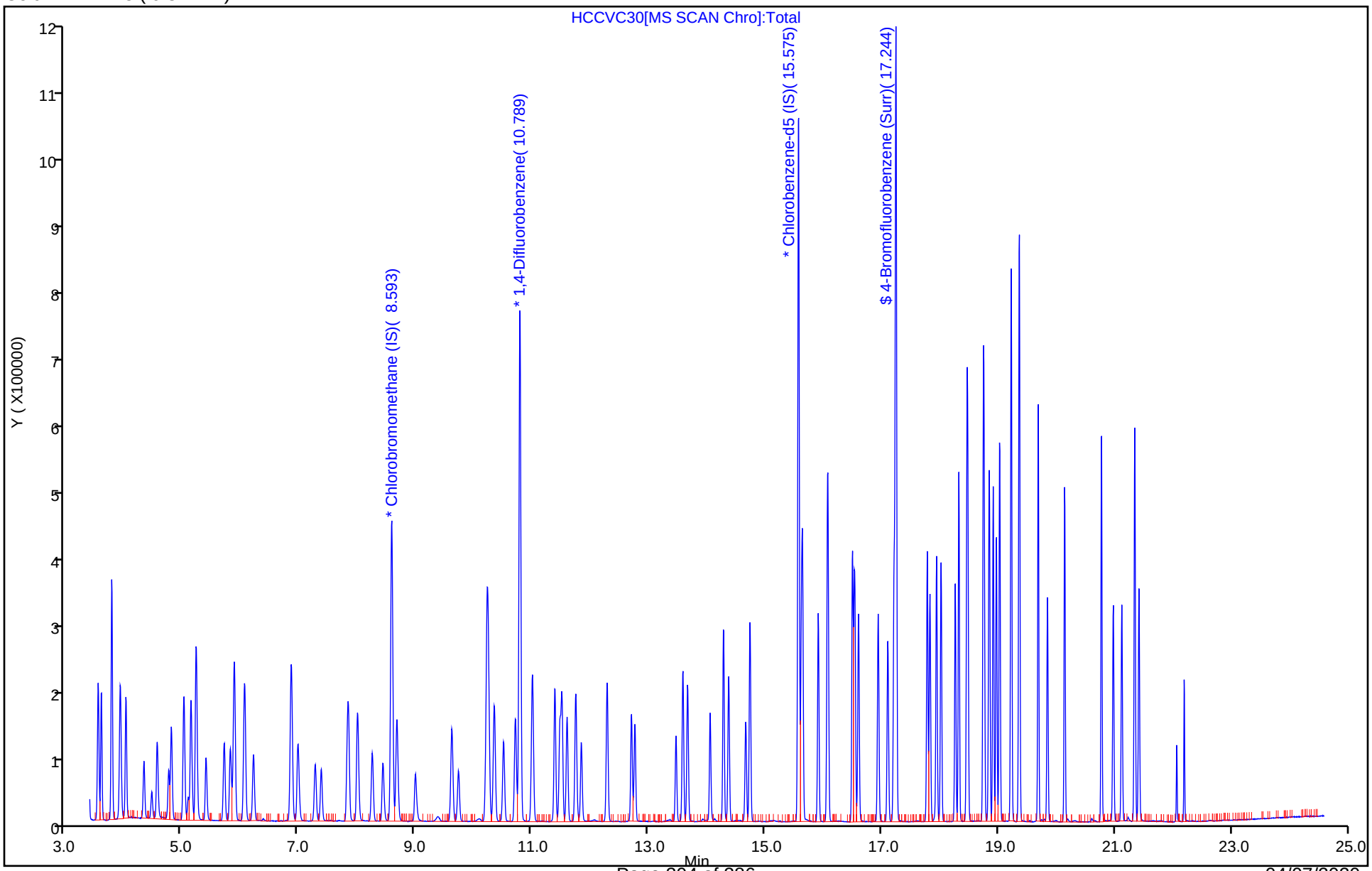
Report Date: 31-Mar-2020 13:31:19 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\HCCVC30.D

Injection Date:	30-Mar-2020 08:25:30	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)



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GBFBC12.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	12-Mar-2020 14:39:30	ALS Bottle#:	16	Worklist Smp#:	1
Injection Vol:	500.0 mL	Dil. Factor:	1.0000		
Sample Info:	140-0014911-001				
Misc. Info.:	BFB				
Operator ID:	HMT	Instrument ID:	MG		
Method:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	13-Mar-2020 12:04:11	Calib Date:	13-Mar-2020 00:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0324				

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	5.133	5.133	0.000	0	1789729	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

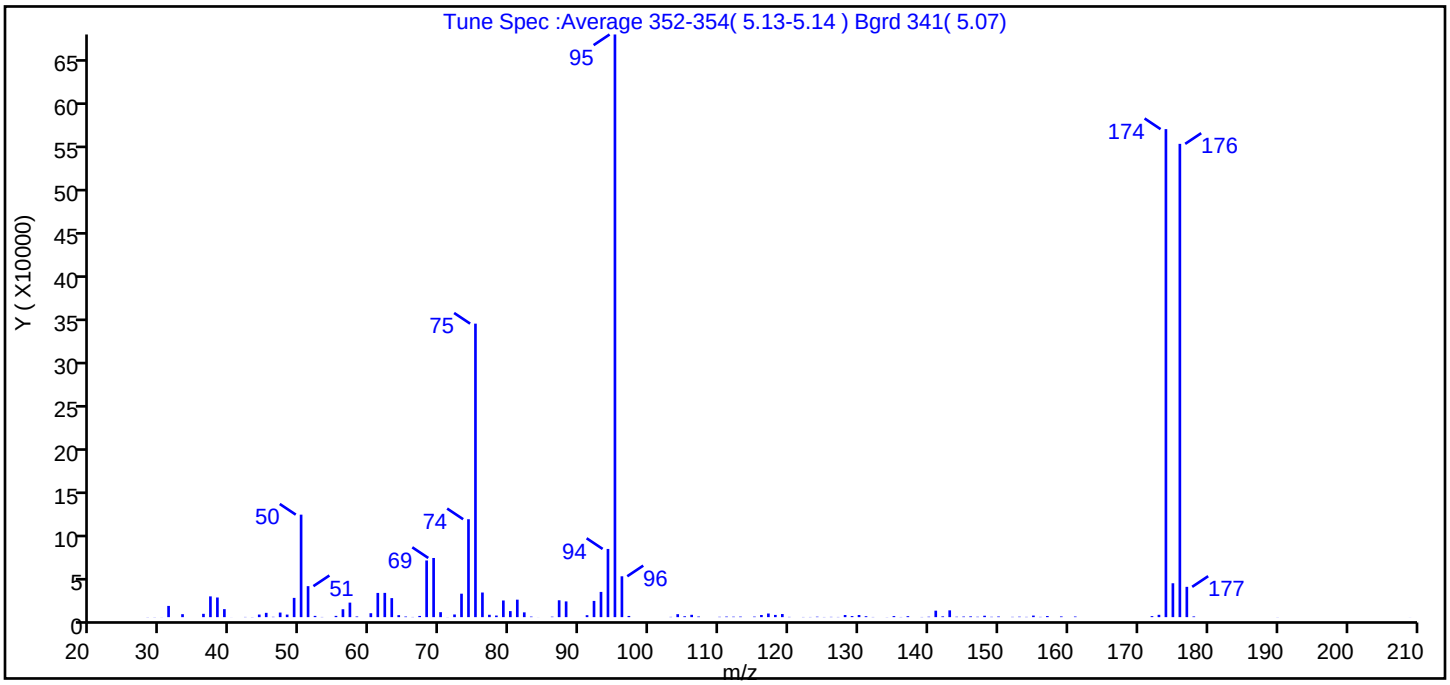
40MXSUR_00003 Amount Added: 40.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GBFBC12.D
Injection Date: 12-Mar-2020 14:39:30 Instrument ID: MG
Lims ID: BFB
Client ID:
Operator ID: HMT ALS Bottle#: 16 Worklist Smp#: 1
Injection Vol: 500.0 mL Dil. Factor: 1.0000
Method: MG_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	17.6
75	30 to 60% of m/z 95	50.4
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	83.8
175	5 to 9% of m/z 174	5.8 (6.9)
176	Greater than 95% but less than 101% of m/z 174	81.2 (97.0)
177	5 to 9% of m/z 176	5.2 (6.4)

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GBFBC12.D\MG_TO15.rslt\spectra.d
Injection Date: 12-Mar-2020 14:39:30
Spectrum: Tune Spec :Average 352-354(5.13-5.14) Bgrd 341(5.07)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
28.00	138	64.00	2299	97.00	1389	137.00	1125
29.00	143	65.00	716	103.00	303	139.00	206
30.00	68	66.00	215	104.00	3458	140.00	493
31.00	13079	67.00	1400	105.00	1031	141.00	7539
33.00	3466	68.00	66048	106.00	2726	142.00	905
36.00	3869	69.00	68928	107.00	699	143.00	7899
37.00	24200	70.00	5797	110.00	389	144.00	493
38.00	22896	71.00	108	111.00	656	145.00	690
39.00	9319	72.00	3105	112.00	536	146.00	912
40.00	56	73.00	27328	113.00	626	147.00	442
42.00	243	74.00	114088	115.00	639	148.00	1646
43.00	170	75.00	341952	116.00	2503	149.00	391
44.00	3016	76.00	28696	117.00	4232	150.00	746
45.00	5018	77.00	2752	118.00	2587	152.00	330
46.00	373	78.00	1872	119.00	3625	153.00	529
47.00	5328	79.00	19416	120.00	283	154.00	307
48.00	2974	80.00	7019	122.00	204	155.00	1823
49.00	22440	81.00	20360	123.00	209	156.00	304
50.00	119416	82.00	5579	124.00	525	157.00	1273
51.00	36112	83.00	630	125.00	194	159.00	827
52.00	1470	84.00	56	126.00	313	161.00	731
53.00	221	86.00	521	127.00	222	172.00	1175
55.00	1482	87.00	19656	128.00	2475	173.00	2714
56.00	9219	88.00	18344	129.00	1242	174.00	568576
57.00	16928	91.00	2273	130.00	2503	175.00	39480
58.00	788	92.00	18912	131.00	1101	176.00	551424
60.00	4578	93.00	29400	132.00	213	177.00	35304
61.00	28208	94.00	79456	134.00	127	178.00	823
62.00	28272	95.00	678848	135.00	1232	190.00	106
63.00	22168	96.00	47600	136.00	197	209.00	55

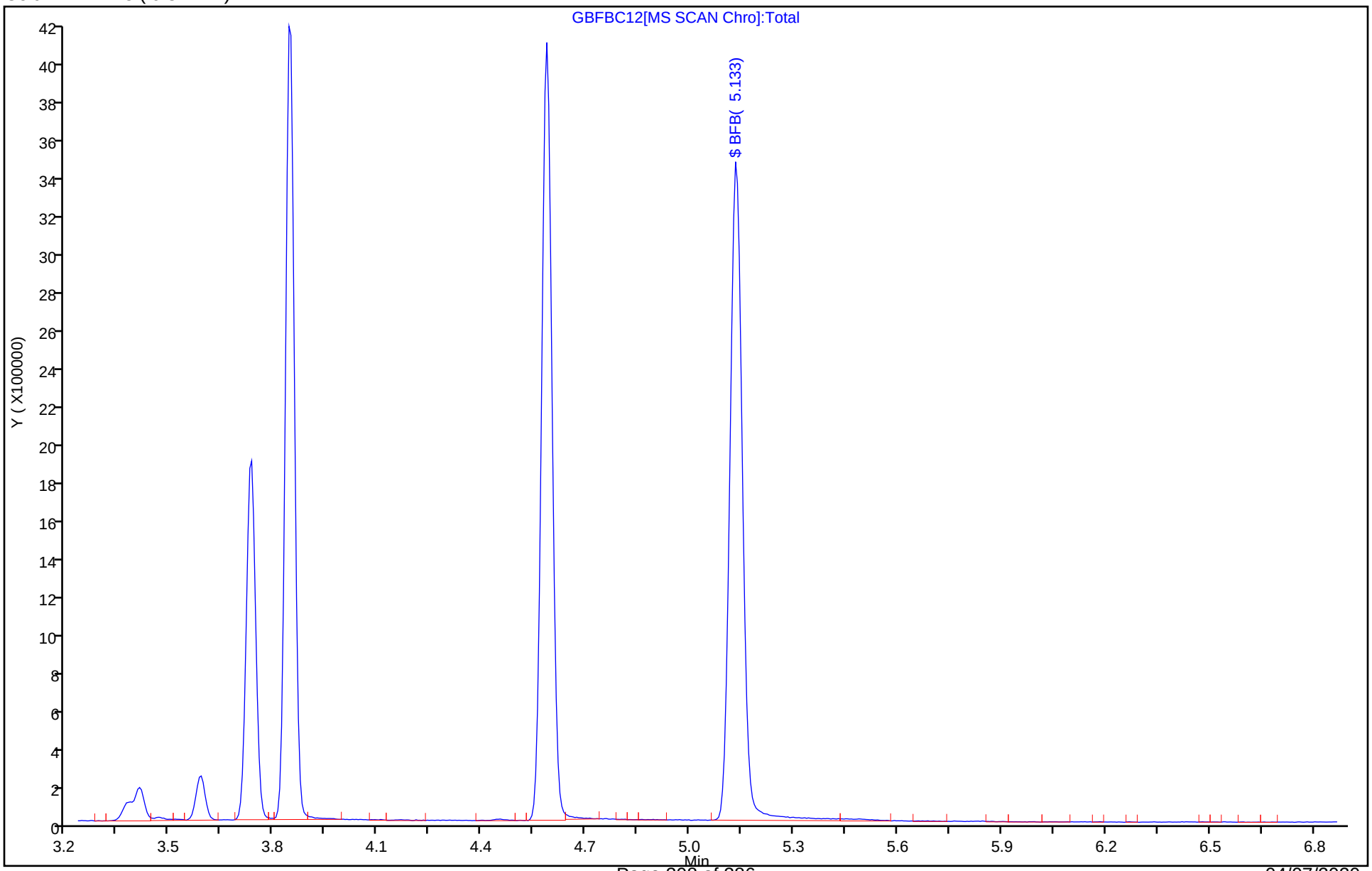
Report Date: 13-Mar-2020 12:04:11 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GBFBC12.D

Injection Date:	12-Mar-2020 14:39:30	Instrument ID:	MG	Operator ID:	HMT
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	500.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GBFBC27.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	27-Mar-2020 08:24:30	ALS Bottle#:	16	Worklist Smp#:	1
Injection Vol:	500.0 mL	Dil. Factor:	1.0000		
Sample Info:	140-0015043-001				
Misc. Info.:	BFB				
Operator ID:	7126	Instrument ID:	MG		
Method:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	30-Mar-2020 09:45:08	Calib Date:	13-Mar-2020 00:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0312				
First Level Reviewer: khachitpongpanits		Date:	30-Mar-2020 09:45:08		

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	5.122	5.122	0.000	0	1082996	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

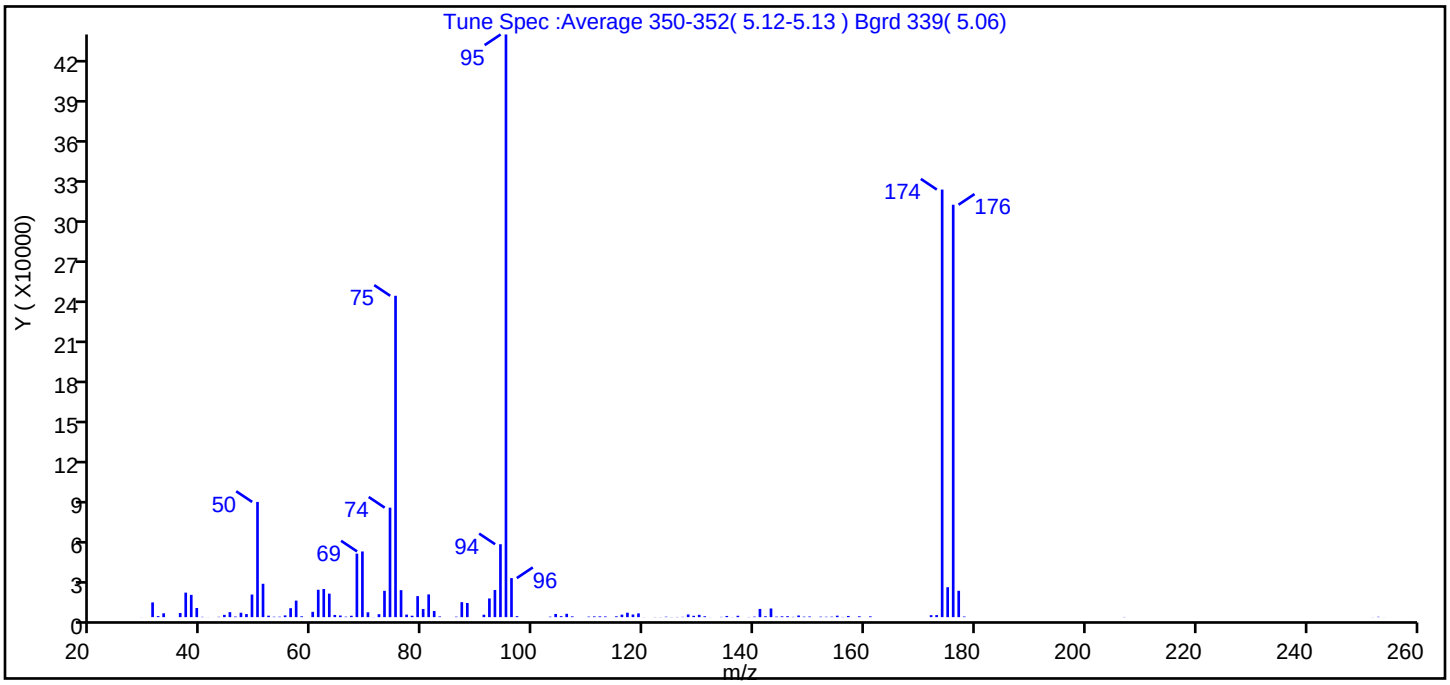
40MXSUR_00003 Amount Added: 40.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\GBFBC27.D
Injection Date: 27-Mar-2020 08:24:30 Instrument ID: MG
Lims ID: BFB
Client ID:
Operator ID: 7126 ALS Bottle#: 16 Worklist Smp#: 1
Injection Vol: 500.0 mL Dil. Factor: 1.0000
Method: MG_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	55.2
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	73.4
175	5 to 9% of m/z 174	5.1 (7.0)
176	Greater than 95% but less than 101% of m/z 174	70.8 (96.5)
177	5 to 9% of m/z 176	4.5 (6.4)

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\GBFBC27.D\MG_TO15.rslt\spectra.d
Injection Date: 27-Mar-2020 08:24:30
Spectrum: Tune Spec :Average 350-352(5.12-5.13) Bgrd 339(5.06)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 121

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	58	65.00	1204	105.00	724	142.00	682
31.00	10894	66.00	360	106.00	2470	143.00	6405
32.00	741	67.00	1033	107.00	566	144.00	396
33.00	2839	68.00	46912	110.00	392	145.00	614
36.00	3066	69.00	48520	111.00	548	146.00	709
37.00	18112	70.00	3589	112.00	575	147.00	207
38.00	16464	71.00	67	113.00	506	148.00	1203
39.00	6736	72.00	2183	115.00	626	149.00	363
40.00	230	73.00	19448	116.00	1861	150.00	487
41.00	64	74.00	80880	117.00	3281	152.00	350
43.00	247	75.00	237376	118.00	1946	153.00	289
44.00	1687	76.00	19936	119.00	2780	154.00	351
45.00	3683	77.00	1879	120.00	62	155.00	1089
46.00	451	78.00	1031	122.00	112	156.00	159
47.00	3250	79.00	15526	123.00	97	157.00	884
48.00	2268	80.00	6016	124.00	321	159.00	621
49.00	16696	81.00	16792	125.00	115	161.00	559
50.00	85104	82.00	4568	126.00	150	172.00	1453
51.00	24648	83.00	505	127.00	210	173.00	1522
52.00	1089	86.00	349	128.00	1984	174.00	315840
53.00	309	87.00	11071	129.00	992	175.00	22120
54.00	318	88.00	10457	130.00	1709	176.00	304640
55.00	1290	91.00	1808	131.00	657	177.00	19464
56.00	6609	92.00	13804	132.00	62	178.00	449
57.00	12215	93.00	20040	134.00	196	207.00	135
58.00	606	94.00	53856	135.00	876	252.00	66
60.00	3934	95.00	430400	136.00	78	253.00	252
61.00	20232	96.00	28856	137.00	1012	254.00	54
62.00	20800	97.00	694	139.00	124		
63.00	17368	103.00	357	140.00	402		
64.00	1621	104.00	2363	141.00	6072		

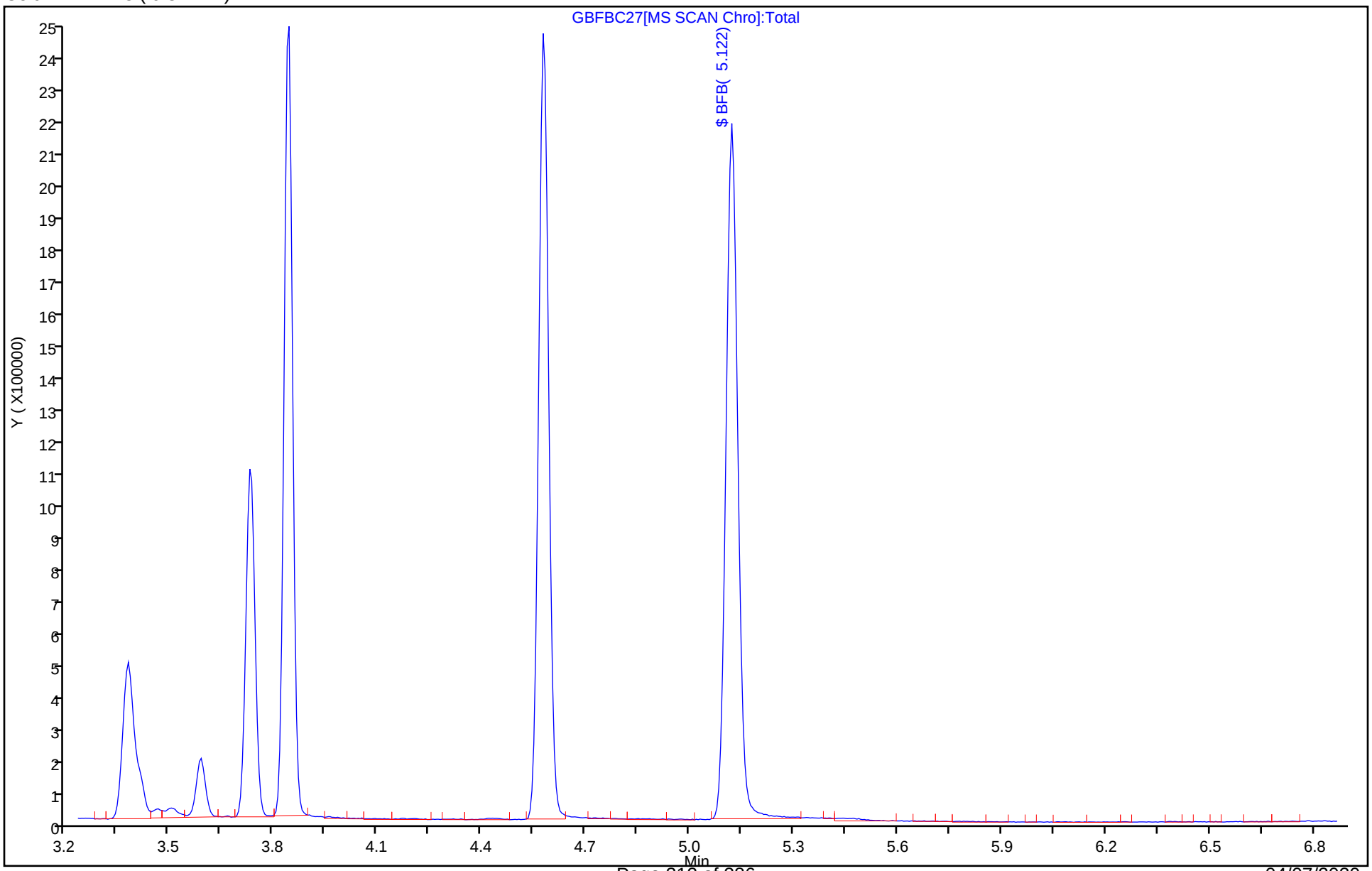
Report Date: 30-Mar-2020 09:45:15 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\GBFBC27.D

Injection Date:	27-Mar-2020 08:24:30	Instrument ID:	MG	Operator ID:	7126
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	500.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18BFBIC.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	18-Mar-2020 01:37:30	ALS Bottle#:	16	Worklist Smp#:	1
Injection Vol:	500.0 mL	Dil. Factor:	1.0000		
Sample Info:	140-0014958-001				
Misc. Info.:	TUNE				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	18-Mar-2020 15:36:37	Calib Date:	18-Mar-2020 11:50:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0318				

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	4.513	4.513	0.000	0	949708	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

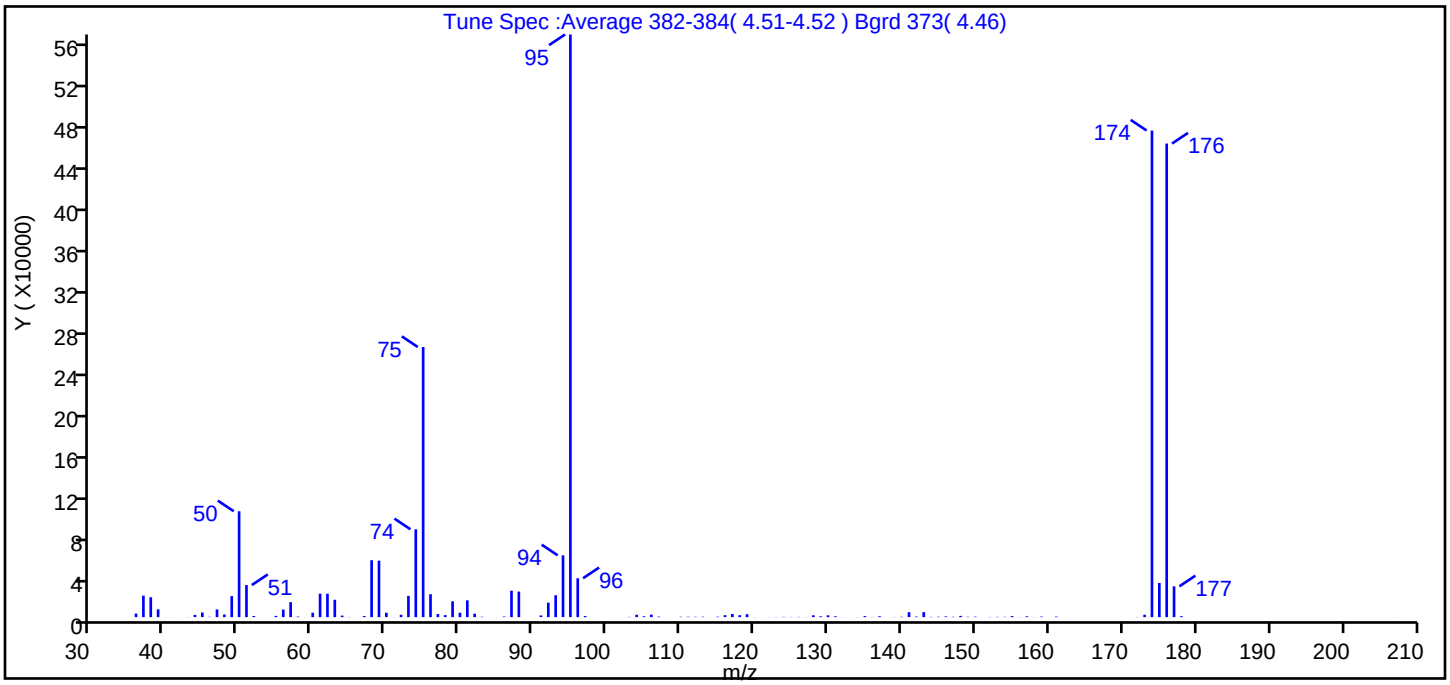
40MXSUR_00003 Amount Added: 40.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18BFBIC.D
Injection Date: 18-Mar-2020 01:37:30 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	18.2
75	30 to 60% of m/z 95	46.4
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.4 (0.5)
174	50 to 120% of m/z 95	83.5
175	5 to 9% of m/z 174	5.9 (7.0)
176	Greater than 95% but less than 101% of m/z 174	81.3 (97.3)
177	5 to 9% of m/z 176	5.3 (6.5)

Data File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18BFBIC.D\MH_TO15.rslt\spectra.d
Injection Date: 18-Mar-2020 01:37:30
Spectrum: Tune Spec :Average 382-384(4.51-4.52) Bgrd 373(4.46)
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	3467	69.00	54480	106.00	2416	142.00	562
37.00	20704	70.00	4219	107.00	530	143.00	4821
38.00	19144	71.00	87	110.00	369	144.00	274
39.00	7534	72.00	2283	111.00	428	145.00	431
40.00	40	73.00	20520	112.00	329	146.00	721
41.00	59	74.00	84696	113.00	446	147.00	356
43.00	115	75.00	260416	115.00	468	148.00	1209
44.00	2193	76.00	22120	116.00	1919	149.00	357
45.00	4480	77.00	3006	117.00	3054	150.00	475
46.00	303	78.00	1952	118.00	1893	152.00	204
47.00	7439	79.00	15264	119.00	2856	153.00	311
48.00	2556	80.00	4241	120.00	120	154.00	317
49.00	20272	81.00	16189	122.00	132	155.00	1046
50.00	102072	82.00	3347	123.00	179	156.00	134
51.00	30912	83.00	393	124.00	333	157.00	798
52.00	1156	85.00	78	125.00	196	158.00	128
53.00	35	86.00	599	126.00	246	159.00	519
55.00	1207	87.00	25480	127.00	119	161.00	542
56.00	7304	88.00	24656	128.00	1780	171.00	25
57.00	14460	91.00	1644	129.00	786	172.00	169
58.00	548	92.00	13918	130.00	1755	173.00	2302
59.00	68	93.00	21120	131.00	831	174.00	469120
60.00	4243	94.00	59592	132.00	82	175.00	32952
61.00	22640	95.00	561728	134.00	111	176.00	456576
62.00	22576	96.00	37520	135.00	1012	177.00	29688
63.00	16752	97.00	1135	136.00	175	178.00	925
64.00	1492	98.00	26	137.00	881	191.00	33
65.00	152	103.00	258	139.00	152	207.00	58
67.00	1086	104.00	2309	140.00	332		
68.00	54880	105.00	840	141.00	4756		

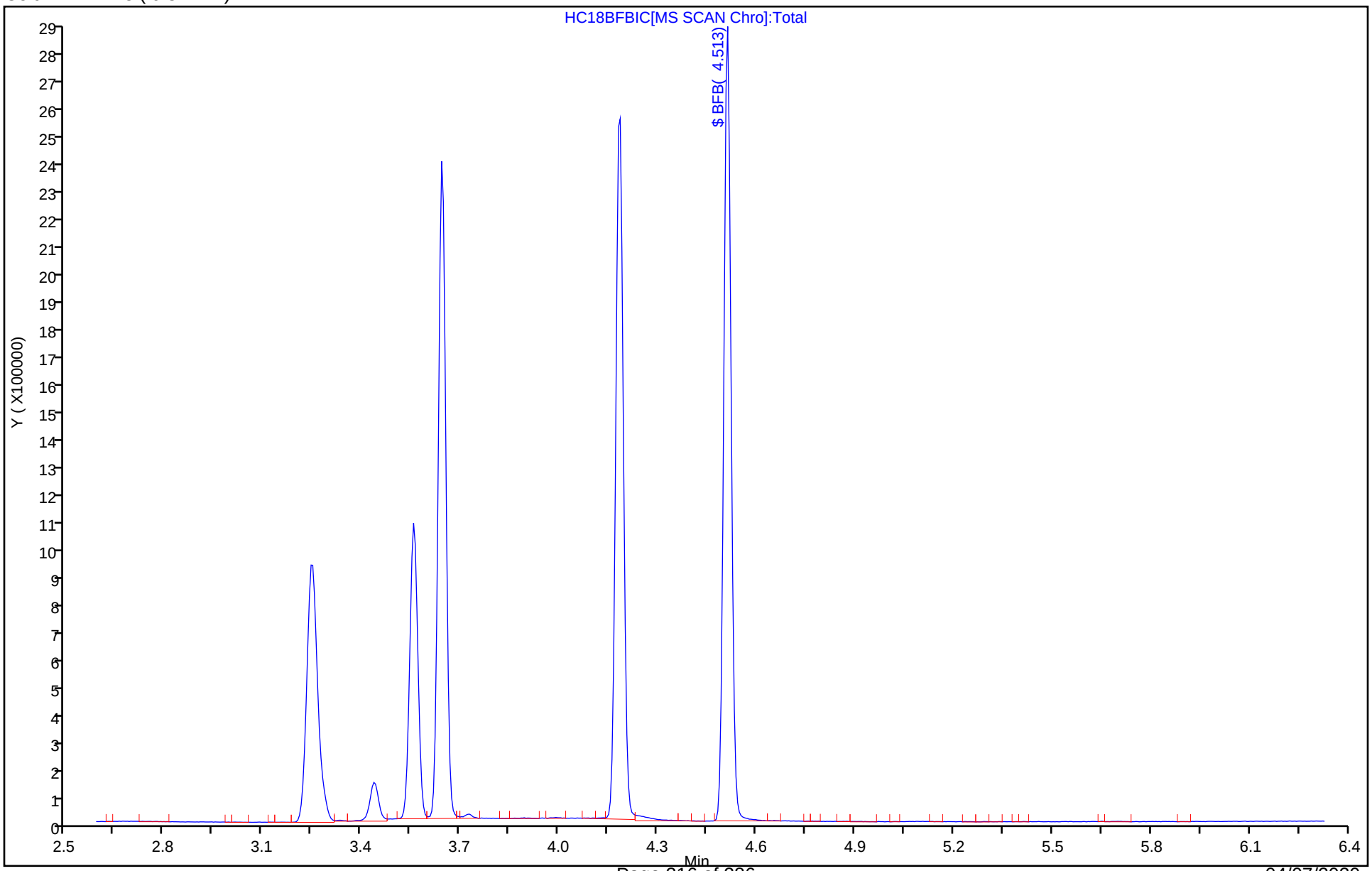
Report Date: 18-Mar-2020 15:36:38 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18BFBIC.D

Injection Date:	18-Mar-2020 01:37:30	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:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\HBFBC30.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	30-Mar-2020 07:58:30	ALS Bottle#:	16	Worklist Smp#:	1
Injection Vol:	500.0 mL	Dil. Factor:	1.0000		
Sample Info:	140-0015074-001				
Misc. Info.:	BFB				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	31-Mar-2020 13:31:11	Calib Date:	18-Mar-2020 11:50:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0306				
First Level Reviewer: tajh		Date:	30-Mar-2020 08:55:00		

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	401902	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

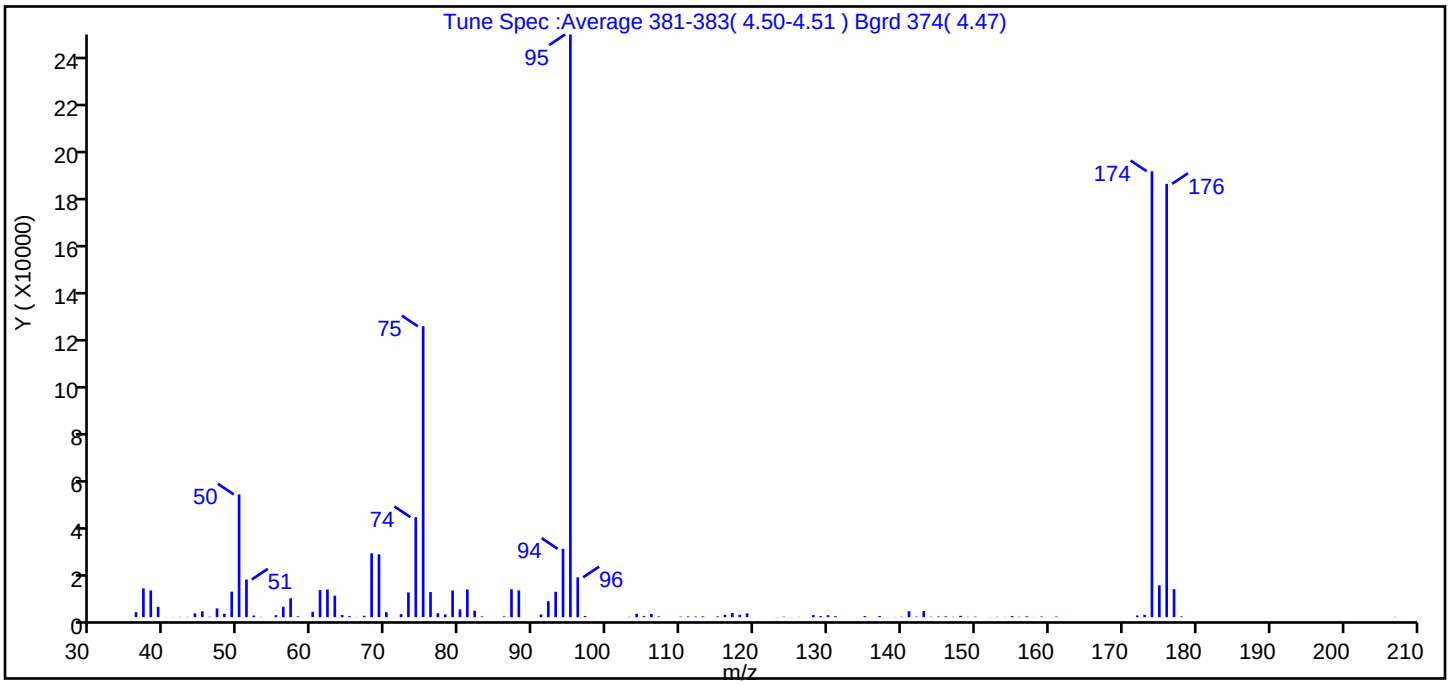
40MXSUR_00003 Amount Added: 40.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\HBFBC30.D
Injection Date: 30-Mar-2020 07:58:30 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	21.1
75	30 to 60% of m/z 95	49.9
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	76.5
175	5 to 9% of m/z 174	5.5 (7.1)
176	Greater than 95% but less than 101% of m/z 174	74.4 (97.2)
177	5 to 9% of m/z 176	4.8 (6.5)

Data File: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\HBFBC30.D\MH_TO15.rslt\spectra.d
Injection Date: 30-Mar-2020 07:58:30
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: 111

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2056	66.00	76	98.00	36	141.00	2461
37.00	11923	67.00	572	103.00	130	142.00	228
38.00	11041	68.00	26488	104.00	1386	143.00	2552
39.00	4274	69.00	26040	105.00	440	144.00	183
40.00	25	70.00	2060	106.00	1320	145.00	274
41.00	65	71.00	26	107.00	279	146.00	328
42.00	123	72.00	1256	110.00	204	147.00	155
43.00	120	73.00	10239	111.00	312	148.00	539
44.00	1549	74.00	41456	112.00	253	149.00	165
45.00	2459	75.00	120608	113.00	330	150.00	212
46.00	192	76.00	10404	115.00	323	152.00	62
47.00	3616	77.00	1641	116.00	957	153.00	149
48.00	1397	78.00	1136	117.00	1763	154.00	76
49.00	10568	79.00	11026	118.00	947	155.00	460
50.00	50896	80.00	3230	119.00	1599	156.00	122
51.00	15614	81.00	11497	123.00	66	157.00	363
52.00	671	82.00	2653	124.00	177	158.00	65
53.00	92	83.00	305	125.00	46	159.00	247
55.00	818	86.00	298	126.00	101	161.00	262
56.00	4298	87.00	11571	128.00	862	172.00	701
57.00	7834	88.00	11080	129.00	441	173.00	923
58.00	326	91.00	1088	130.00	814	174.00	184896
60.00	2216	92.00	6614	131.00	401	175.00	13178
61.00	11227	93.00	10531	134.00	28	176.00	179648
62.00	11462	94.00	28328	135.00	442	177.00	11601
63.00	8891	95.00	241600	137.00	447	178.00	289
64.00	912	96.00	16512	139.00	90	207.00	101
65.00	436	97.00	467	140.00	150		

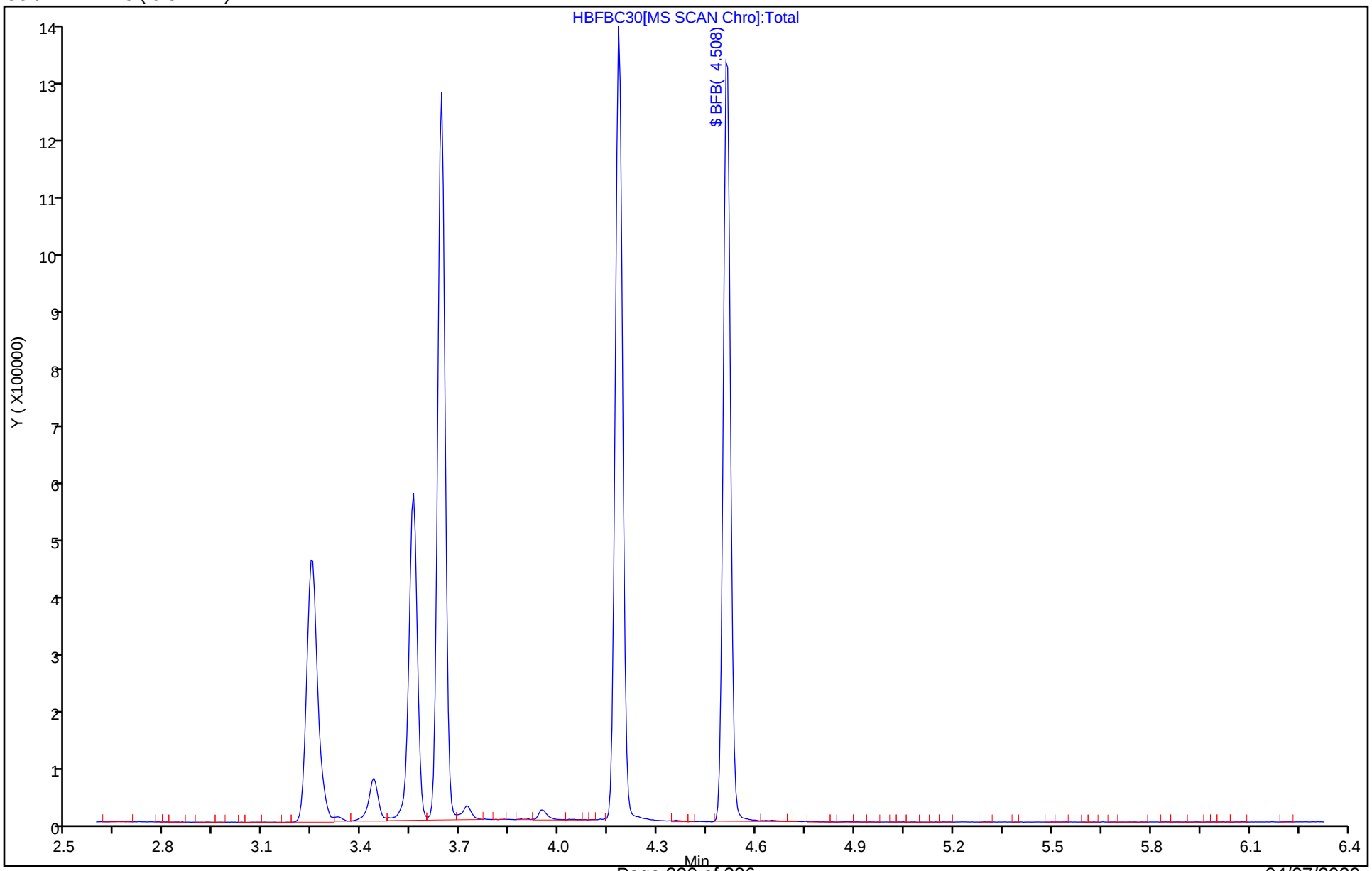
Report Date: 31-Mar-2020 13:31:11 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\HBFBC30.D

Injection Date:	30-Mar-2020 07:58:30	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)



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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-38633/4

Matrix: Air Lab File ID: G500BC27.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 03/27/2020 11:09

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.: 38633 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.: 140-18683-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-38633/4

Matrix: Air Lab File ID: G500BC27.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 03/27/2020 11:09

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.: 38633 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)	99		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-38633/4

Matrix: Air Lab File ID: G500BC27.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 03/27/2020 11:09

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.: 38633 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.: 140-18683-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-38633/4

Matrix: Air Lab File ID: G500BC27.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 03/27/2020 11:09

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.: 38633 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)	99		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\G500BC27.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 27-Mar-2020 11:09:30 ALS Bottle#: 16 Worklist Smp#: 4
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015043-004
Misc. Info.: 500ML BLK
Operator ID: 7126 Instrument ID: MG

Method: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 30-Mar-2020 09:49:22 Calib Date: 13-Mar-2020 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0312

First Level Reviewer: khachitpongpanits Date: 30-Mar-2020 09:49:22

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	8.887	8.892	-0.005	93	243978	4.00	4.00	
* 2 1,4-Difluorobenzene	114	11.065	11.076	-0.011	95	1782739	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.789	15.789	0.000	89	1559524	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.428	17.428	0.000	84	1109191	4.00	3.98	
7 Propene	41	3.732	3.732	0.000	97	48734		0.009553	7
30 2-Methyl-2-propanol	59	6.239	6.131	0.108	95	3237		0.0272	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

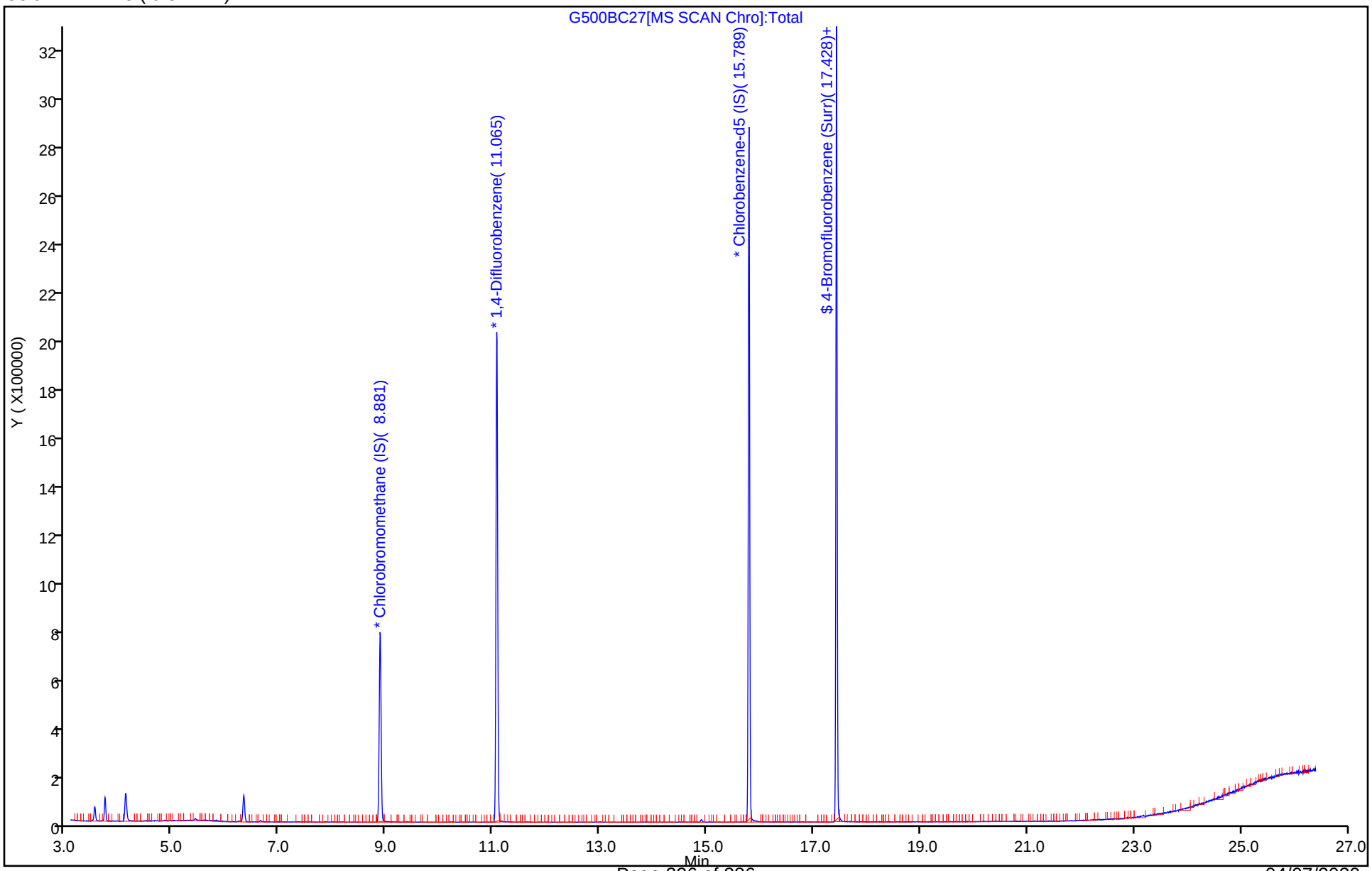
Report Date: 30-Mar-2020 09:49:33 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\G500BC27.D

Injection Date:	27-Mar-2020 11:09:30	Instrument ID:	MG	Operator ID:	7126
Lims ID:	MB			Worklist Smp#:	4
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\G500BC27.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	27-Mar-2020 11:09:30	ALS Bottle#:	16	Worklist Smp#:	4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0015043-004				
Misc. Info.:	500ML BLK				
Operator ID:	7126	Instrument ID:	MG		
Method:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	30-Mar-2020 09:49:22	Calib Date:	13-Mar-2020 00:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0312				
First Level Reviewer: khachitpongpanits		Date:	30-Mar-2020 09:49:22		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.98	99.43

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-38705/4

Matrix: Air Lab File ID: H500BC30.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 03/30/2020 11:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38705 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.: 140-18683-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-38705/4

Matrix: Air Lab File ID: H500BC30.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 03/30/2020 11:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38705 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)	95		60-140

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-38705/4

Matrix: Air Lab File ID: H500BC30.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 03/30/2020 11:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38705 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.: 140-18683-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 140-38705/4

Matrix: Air Lab File ID: H500BC30.D

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 03/30/2020 11:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38705 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)	95		60-140

Eurofins TestAmerica, Knoxville
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\H500BC30.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 30-Mar-2020 11:01:30 ALS Bottle#: 16 Worklist Smp#: 4
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015074-004
Misc. Info.: 500ML BLK
Operator ID: HMT Instrument ID: MH

Method: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 31-Mar-2020 13:31:17 Calib Date: 18-Mar-2020 11:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0306

First Level Reviewer: smelcerb Date: 31-Mar-2020 10:12:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.582	8.587	-0.005	97	112840	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.784	10.794	-0.010	95	772747	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.570	15.575	-0.005	90	593390	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.224	17.244	-0.020	88	380766	4.00	3.79	
7 Propene	41	3.558	3.559	-0.001	98	28260		0.0852	7
38 Vinyl acetate	43	7.554	7.383	0.171	98	4207		0.0293	
62 Methyl methacrylate	41	11.817	11.844	-0.027	48	8495		0.1214	
A 115 C8 Range	1	14.283	(14.236-14.330)		0	651		0.001240	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

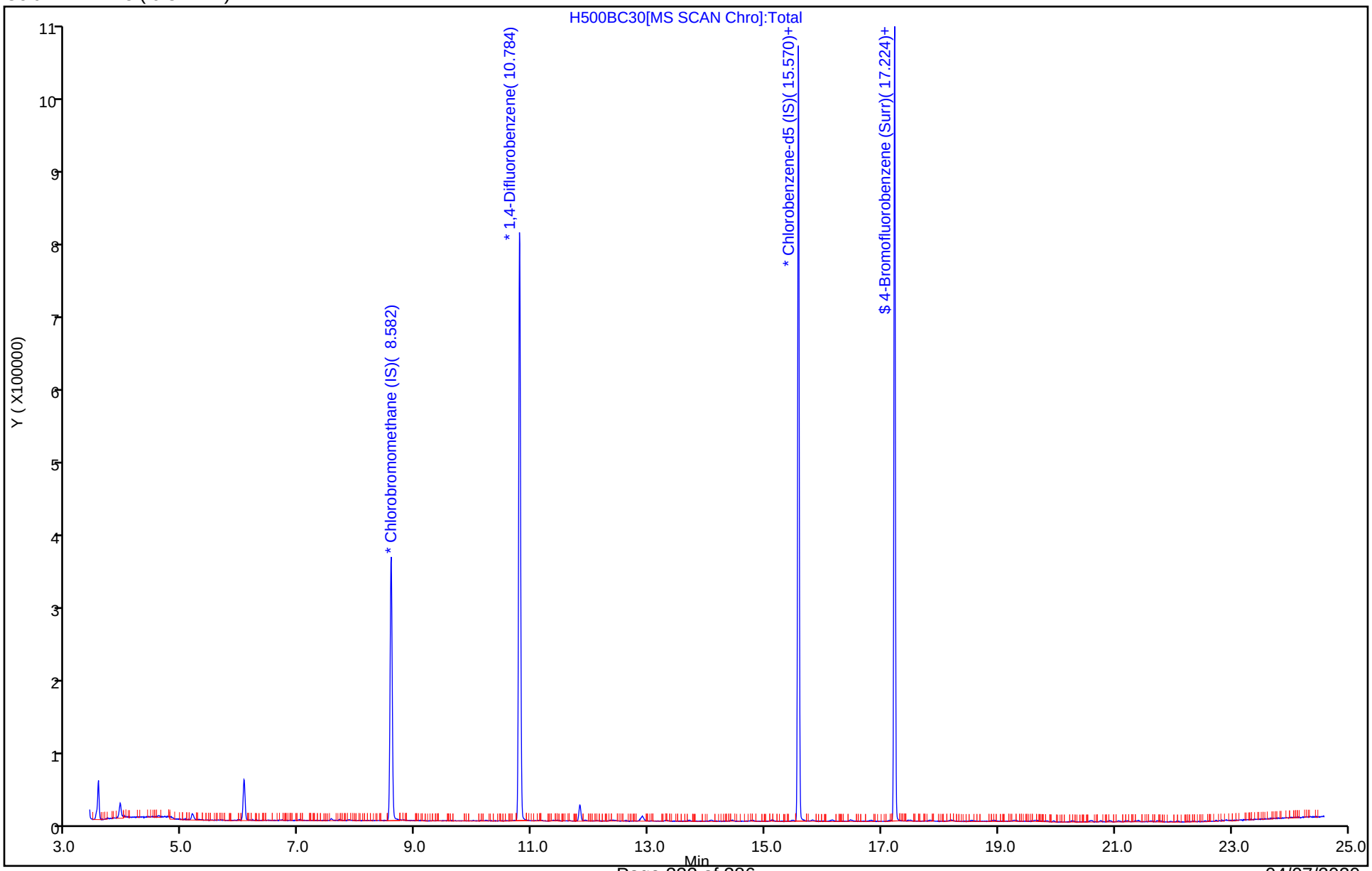
Report Date: 31-Mar-2020 13:31:30 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\H500BC30.D

Injection Date:	30-Mar-2020 11:01:30	Instrument ID:	MH	Operator ID:	HMT
Lims ID:	MB			Worklist Smp#:	4
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MH_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville
Recovery Report

Data File:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\H500BC30.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	30-Mar-2020 11:01:30	ALS Bottle#:	16	Worklist Smp#:	4
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0015074-004				
Misc. Info.:	500ML BLK				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	31-Mar-2020 13:31:17	Calib Date:	18-Mar-2020 11:50:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0306				
First Level Reviewer: smelcerb		Date:	31-Mar-2020 10:12:15		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	3.79	94.64

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-38633/1002

Matrix: Air Lab File ID: GCCVC27-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 03/27/2020 09:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	2.22		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	1.85		0.080	
75-34-3	1,1-Dichloroethane	98.96	2.16		0.080	
75-35-4	1,1-Dichloroethene	96.94	2.05		0.040	
120-82-1	1,2,4-Trichlorobenzene	181.45	1.33		0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	1.61		0.080	
106-93-4	1,2-Dibromoethane	187.87	1.85		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	1.58		0.080	
107-06-2	1,2-Dichloroethane	98.96	2.17		0.080	
78-87-5	1,2-Dichloropropane	112.99	1.84		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	1.51		0.080	
106-99-0	1,3-Butadiene	54.09	2.36		0.16	
541-73-1	1,3-Dichlorobenzene	147.00	1.58		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	1.55		0.080	
123-91-1	1,4-Dioxane	88.11	1.74		0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	2.03		0.20	
78-93-3	2-Butanone	72.11	1.60		0.32	
591-78-6	2-Hexanone	100.20	1.66		0.20	
67-63-0	2-Propanol	60.10	6.24		0.80	
107-05-1	3-Chloropropene	76.53	2.37		0.080	
622-96-8	4-Ethyltoluene	120.20	1.68		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	1.66		0.20	
67-64-1	Acetone	58.08	5.80		2.0	
100-44-7	alpha-Chlorotoluene	126.58	1.85		0.16	
71-43-2	Benzene	78.11	1.94		0.080	
75-27-4	Bromodichloromethane	163.83	2.20		0.080	
75-25-2	Bromoform	252.75	1.64		0.080	
74-83-9	Bromomethane	94.94	2.28		0.080	
75-15-0	Carbon disulfide	76.14	2.25		0.20	
56-23-5	Carbon tetrachloride	153.81	2.38		0.032	
108-90-7	Chlorobenzene	112.56	1.63		0.080	
75-00-3	Chloroethane	64.52	2.30		0.080	
67-66-3	Chloroform	119.38	2.18		0.080	
74-87-3	Chloromethane	50.49	2.38		0.20	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-38633/1002

Matrix: Air Lab File ID: GCCVC27-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 03/27/2020 09:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38633 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	2.03		0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	1.88		0.080	
98-82-8	Cumene	120.19	1.70		0.16	
110-82-7	Cyclohexane	84.16	2.09		0.20	
124-48-1	Dibromochloromethane	208.29	1.98		0.080	
64-17-5	Ethanol	46.07	11.3		2.0	
100-41-4	Ethylbenzene	106.17	1.67		0.080	
75-69-4	Freon 11	137.37	2.58		0.080	
76-13-1	Freon 113	187.38	2.16		0.080	
75-71-8	Freon 12	120.91	2.48		0.080	
76-14-2	Freon-114	170.92	2.18		0.080	
142-82-5	Heptane	100.21	2.00		0.20	
87-68-3	Hexachlorobutadiene	260.76	1.31		0.080	
110-54-3	Hexane	86.17	2.12		0.20	
1634-04-4	Methyl tert-butyl ether	88.15	1.85		0.16	
75-09-2	Methylene Chloride	84.93	2.29		0.40	
179601-23-1	m-Xylene & p-Xylene	106.17	3.46		0.080	
95-47-6	o-Xylene	106.17	1.80		0.080	
103-65-1	Propylbenzene	120.19	1.50		0.16	
100-42-5	Styrene	104.15	1.54		0.080	
127-18-4	Tetrachloroethene	165.83	1.82		0.080	
109-99-9	Tetrahydrofuran	72.11	1.72		0.40	
108-88-3	Toluene	92.14	1.79		0.12	
156-60-5	trans-1,2-Dichloroethene	96.94	2.14		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	1.79		0.080	
79-01-6	Trichloroethene	131.39	1.87		0.036	
75-01-4	Vinyl chloride	62.50	2.29		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	108		60-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\GCCVC27-LCS.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 27-Mar-2020 09:01:30 ALS Bottle#: 16 Worklist Smp#: 1002
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015043-002
Misc. Info.: P108
Operator ID: 7126 Instrument ID: MG

Method: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 30-Mar-2020 09:47:03 Calib Date: 13-Mar-2020 00:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0312

First Level Reviewer: khachitpongpanits Date: 30-Mar-2020 09:47:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.892	8.892	0.000	93	217178	4.00	4.00	
* 2 1,4-Difluorobenzene	114	11.076	11.076	0.000	96	1522353	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.789	15.789	0.000	90	1329759	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.428	17.428	0.000	83	1028757	4.00	4.33	
6 Chlorodifluoromethane	51	3.721	3.721	0.000	97	307210	2.00	2.51	
7 Propene	41	3.732	3.732	0.000	99	189835	2.00	2.67	
8 Dichlorodifluoromethane	85	3.786	3.786	0.000	100	567150	2.00	2.48	
9 Chloromethane	52	3.969	3.969	0.000	98	49781	2.00	2.38	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.974	3.974	0.000	93	331756	2.00	2.18	
11 Acetaldehyde	44	4.125	4.125	0.000	96	281853	10.0	10.8	
12 Vinyl chloride	62	4.141	4.141	0.000	99	182155	2.00	2.29	
14 Butadiene	54	4.228	4.228	0.000	68	130835	2.00	2.36	
13 Butane	43	4.228	4.228	0.000	85	259151	2.00	2.29	
15 Bromomethane	94	4.551	4.551	0.000	98	176353	2.00	2.28	
16 Chloroethane	64	4.697	4.697	0.000	96	87179	2.00	2.30	
17 Ethanol	31	4.810	4.810	0.000	99	293720	10.0	11.3	
18 Vinyl bromide	106	4.999	4.999	0.000	97	167697	2.00	2.29	
19 2-Methylbutane	43	5.053	5.053	0.000	89	168167	2.00	2.32	
20 Trichlorofluoromethane	101	5.274	5.274	0.000	99	629413	2.00	2.58	
21 Acrolein	56	5.285	5.285	0.000	95	23456	2.00	1.95	
22 Acetonitrile	40	5.355	5.355	0.000	98	42538	2.00	1.99	
23 Acetone	58	5.403	5.403	0.000	100	148693	6.00	5.80	
24 Pentane	72	5.495	5.495	0.000	95	28670	2.00	2.27	
25 Isopropyl alcohol	45	5.511	5.511	0.000	98	423271	6.00	6.24	
26 Ethyl ether	31	5.667	5.667	0.000	91	92693	2.00	2.02	
27 1,1-Dichloroethene	96	5.986	5.986	0.000	95	153471	2.00	2.05	
28 Acrylonitrile	53	6.099	6.099	0.000	96	79607	2.00	1.84	
30 2-Methyl-2-propanol	59	6.131	6.131	0.000	96	206011	2.00	1.94	
29 1,1,2-Trichloro-1,2,2-trif	101	6.164	6.164	0.000	91	370941	2.00	2.16	
31 Methylene Chloride	84	6.336	6.336	0.000	97	194930	2.00	2.29	
32 3-Chloro-1-propene	39	6.352	6.352	0.000	98	151657	2.00	2.37	

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	6.498	6.498	0.000	100	474775	2.00	2.25	
34 trans-1,2-Dichloroethene	96	7.150	7.150	0.000	97	166256	2.00	2.14	
35 2-Methylpentane	43	7.167	7.167	0.000	93	370383	2.00	2.34	
36 Methyl tert-butyl ether	73	7.291	7.291	0.000	96	344507	2.00	1.85	
37 1,1-Dichloroethane	63	7.571	7.571	0.000	100	303928	2.00	2.16	
38 Vinyl acetate	43	7.679	7.679	0.000	99	270301	2.00	1.89	
39 2-Butanone (MEK)	72	8.132	8.132	0.000	96	51741	2.00	1.60	
40 Hexane	56	8.153	8.153	0.000	90	121207	2.00	2.12	
41 Isopropyl ether	45	8.315	8.315	0.000	95	391045	2.00	1.90	
42 cis-1,2-Dichloroethene	96	8.558	8.558	0.000	97	160684	2.00	2.03	
43 Ethyl acetate	43	8.752	8.752	0.000	99	213300	2.00	1.73	
44 Chloroform	83	8.903	8.903	0.000	95	380905	2.00	2.18	
45 Tert-butyl ethyl ether	59	8.995	8.995	0.000	96	364639	2.00	1.87	
46 Tetrahydrofuran	42	9.318	9.318	0.000	93	119733	2.00	1.72	
47 1,1,1-Trichloroethane	97	9.933	9.933	0.000	96	419841	2.00	2.22	
48 1,2-Dichloroethane	62	10.046	10.046	0.000	99	245553	2.00	2.17	
49 Cyclohexane	69	10.531	10.531	0.000	85	80496	2.00	2.09	
50 Benzene	78	10.531	10.531	0.000	97	435353	2.00	1.94	
51 n-Butanol	31	10.548	10.548	0.000	68	39694	2.00	2.02	
52 Carbon tetrachloride	117	10.558	10.558	0.000	98	441642	2.00	2.38	
53 2,3-Dimethylpentane	71	10.650	10.650	0.000	90	116036	2.00	2.01	
54 Thiophene	84	10.806	10.806	0.000	96	251482	2.00	1.93	
55 Isooctane	57	11.292	11.292	0.000	98	752060	2.00	2.03	
56 n-Heptane	71	11.664	11.664	0.000	91	163665	2.00	2.00	
57 1,2-Dichloropropane	63	11.745	11.745	0.000	86	152853	2.00	1.84	
58 Trichloroethene	130	11.782	11.782	0.000	93	203747	2.00	1.87	
59 Dibromomethane	93	11.863	11.863	0.000	87	204243	2.00	2.09	
60 Dichlorobromomethane	83	12.009	12.009	0.000	98	360530	2.00	2.20	
61 1,4-Dioxane	88	12.041	12.041	0.000	94	51501	2.00	1.74	
62 Methyl methacrylate	41	12.106	12.106	0.000	94	122755	2.00	1.57	
63 Methylcyclohexane	83	12.554	12.554	0.000	96	305330	2.00	2.06	
64 4-Methyl-2-pentanone (MIBK	43	12.963	12.963	0.000	98	224712	2.00	1.66	
65 cis-1,3-Dichloropropene	75	13.006	13.006	0.000	95	220184	2.00	1.88	
66 trans-1,3-Dichloropropene	75	13.697	13.697	0.000	97	177369	2.00	1.79	
67 Toluene	91	13.826	13.826	0.000	94	420041	2.00	1.79	
68 1,1,2-Trichloroethane	83	13.896	13.896	0.000	97	131798	2.00	1.85	
69 2-Hexanone	58	14.290	14.290	0.000	92	98124	2.00	1.66	
70 n-Octane	85	14.511	14.511	0.000	92	166210	2.00	1.92	
71 Chlorodibromomethane	129	14.597	14.597	0.000	97	282162	2.00	1.98	
72 Ethylene Dibromide	107	14.888	14.888	0.000	97	223700	2.00	1.85	
73 Tetrachloroethene	129	14.964	14.964	0.000	88	178533	2.00	1.82	
75 Chlorobenzene	112	15.837	15.837	0.000	92	321957	2.00	1.63	
74 2,3-Dimethylheptane	43	15.854	15.854	0.000	94	517663	2.00	2.15	
78 Ethylbenzene	91	16.123	16.123	0.000	99	516417	2.00	1.67	
79 m-Xylene & p-Xylene	91	16.285	16.285	0.000	100	841813	4.00	3.46	
80 n-Nonane	57	16.706	16.706	0.000	91	266140	2.00	1.87	
81 Bromoform	173	16.733	16.733	0.000	93	205495	2.00	1.64	
82 Styrene	104	16.749	16.749	0.000	99	268182	2.00	1.54	
83 o-Xylene	91	16.813	16.813	0.000	97	479229	2.00	1.80	
84 1,1,2,2-Tetrachloroethane	83	17.132	17.132	0.000	99	326530	2.00	1.80	
85 1,2,3-Trichloropropane	110	17.293	17.293	0.000	97	95818	2.00	1.66	
86 Isopropylbenzene	105	17.396	17.396	0.000	97	616390	2.00	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
87 N-Propylbenzene	120	17.935	17.935	0.000	98	147311	2.00	1.50	
88 2-Chlorotoluene	126	17.978	17.978	0.000	97	148956	2.00	1.53	
89 4-Ethyltoluene	105	18.086	18.086	0.000	99	553768	2.00	1.68	
90 1,3,5-Trimethylbenzene	120	18.156	18.156	0.000	91	225265	2.00	1.51	
92 Alpha Methyl Styrene	118	18.388	18.388	0.000	88	196612	2.00	1.41	
93 n-Decane	57	18.442	18.442	0.000	93	317604	2.00	1.70	
94 tert-Butylbenzene	119	18.577	18.577	0.000	90	540787	2.00	1.63	
95 1,2,4-Trimethylbenzene	105	18.593	18.593	0.000	96	506000	2.00	1.61	
96 sec-Butylbenzene	105	18.846	18.846	0.000	98	737076	2.00	1.66	
97 1,3-Dichlorobenzene	146	18.863	18.863	0.000	98	324758	2.00	1.58	
98 Benzyl chloride	91	18.933	18.933	0.000	98	411465	2.00	1.85	
99 1,4-Dichlorobenzene	146	18.949	18.949	0.000	93	318002	2.00	1.55	
100 4-Isopropyltoluene	119	19.008	19.008	0.000	96	579920	2.00	1.55	
101 1,2,3-Trimethylbenzene	105	19.062	19.062	0.000	99	527191	2.00	1.74	
102 Butylcyclohexane	83	19.116	19.116	0.000	95	470817	2.00	1.77	
103 2,3-Dihydroindene	117	19.305	19.305	0.000	92	468300	2.00	1.63	
104 1,2-Dichlorobenzene	146	19.305	19.305	0.000	81	329582	2.00	1.58	
106 Indene	116	19.434	19.434	0.000	90	388155	2.00	1.60	
105 n-Butylbenzene	91	19.440	19.440	0.000	97	610131	2.00	1.65	
107 Undecane	57	19.747	19.747	0.000	95	294964	2.00	1.47	
108 1,2-Dibromo-3-Chloropropan	157	19.903	19.903	0.000	93	149914	2.00	1.76	
109 1,2,4,5-Tetramethylbenzene	119	20.189	20.189	0.000	96	510708	2.00	1.49	
110 Dodecane	57	20.798	20.798	0.000	94	229155	2.00	1.58	
111 1,2,4-Trichlorobenzene	180	20.998	20.998	0.000	93	208896	2.00	1.33	
112 Naphthalene	128	21.133	21.133	0.000	99	531068	2.00	1.38	
113 Hexachlorobutadiene	225	21.343	21.343	0.000	89	235694	2.00	1.31	
114 1,2,3-Trichlorobenzene	180	21.413	21.413	0.000	93	193205	2.00	1.24	
115 2-Methylnaphthalene	142	22.179	22.179	0.000	99	158293	2.00	1.69	
116 1-Methylnaphthalene	142	22.351	22.351	0.000	98	212086	2.00	1.93	
A 122 C8 Range	1	14.506	(14.452-14.570)		0	1545862	2.00	2.06	
S 123 1,2-Dichloroethene, Total	1				0		4.00	4.16	
S 124 Xylenes, Total	100				0		6.00	5.25	

Reagents:

40CV101P_00108	Amount Added: 100.00	Units: ml	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

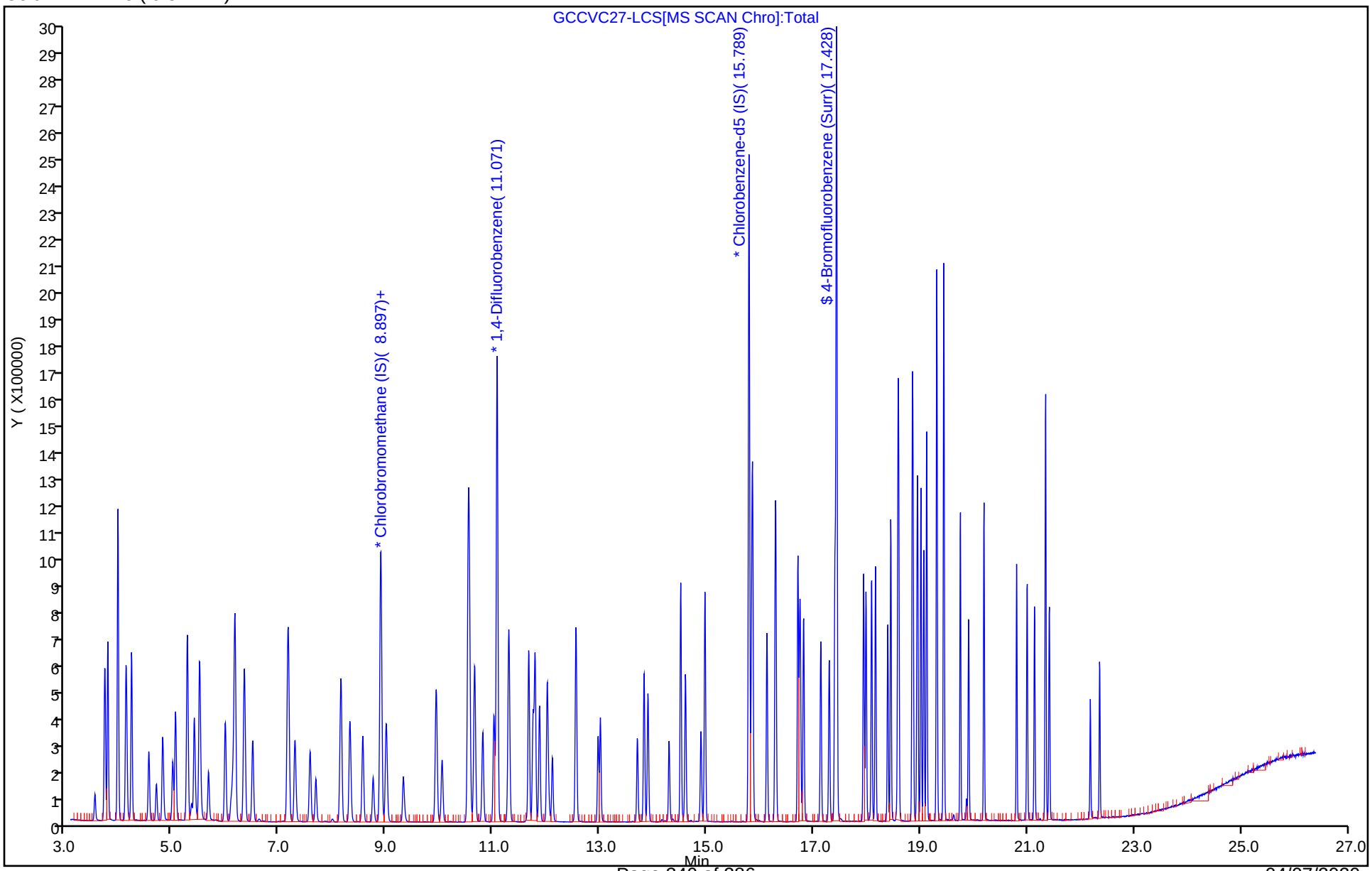
Report Date: 30-Mar-2020 09:47:28 Chrom Revision: 2.3 11-Mar-2020 18:53:20

TestAmerica Laboratories

Data File: \\chromna\Knoxville\ChromData\MG\20200325-15043.b\GCCVC27-LCS.d

Injection Date:	27-Mar-2020 09:01:30	Instrument ID:	MG	Operator ID:	7126
Lims ID:	LCS			Worklist Smp#:	1002
Client ID:					
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	MG_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



TestAmerica Laboratories
Recovery Report

Data File:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\GCCVC27-LCS.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	27-Mar-2020 09:01:30	ALS Bottle#:	16	Worklist Smp#:	1002
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0015043-002				
Misc. Info.:	P108				
Operator ID:	7126	Instrument ID:	MG		
Method:	\\chromna\Knoxville\ChromData\MG\20200325-15043.b\MG_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	30-Mar-2020 09:47:03	Calib Date:	13-Mar-2020 00:45:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MG\20200312-14911.b\GC12IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0312				
First Level Reviewer: khachitpongpanits		Date:	30-Mar-2020 09:47:03		

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	4.33	108.15

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-38705/1002

Matrix: Air Lab File ID: HCCVC30-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 03/30/2020 08:25

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38705 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
71-55-6	1,1,1-Trichloroethane	133.41	1.04		0.080	
79-34-5	1,1,2,2-Tetrachloroethane	167.85	1.16		0.080	
79-00-5	1,1,2-Trichloroethane	133.41	1.09		0.080	
75-34-3	1,1-Dichloroethane	98.96	1.06		0.080	
75-35-4	1,1-Dichloroethene	96.94	1.00		0.040	
120-82-1	1,2,4-Trichlorobenzene	181.45	0.915		0.080	
95-63-6	1,2,4-Trimethylbenzene	120.20	1.13		0.080	
106-93-4	1,2-Dibromoethane	187.87	1.00		0.080	
95-50-1	1,2-Dichlorobenzene	147.00	1.14		0.080	
107-06-2	1,2-Dichloroethane	98.96	1.04		0.080	
78-87-5	1,2-Dichloropropane	112.99	1.06		0.080	
108-67-8	1,3,5-Trimethylbenzene	120.20	1.06		0.080	
106-99-0	1,3-Butadiene	54.09	1.19		0.16	
541-73-1	1,3-Dichlorobenzene	147.00	1.13		0.080	
106-46-7	1,4-Dichlorobenzene	147.00	1.09		0.080	
123-91-1	1,4-Dioxane	88.11	0.884		0.20	
540-84-1	2,2,4-Trimethylpentane	114.23	1.01		0.20	
78-93-3	2-Butanone	72.11	0.914		0.32	
591-78-6	2-Hexanone	100.20	0.959		0.20	
67-63-0	2-Propanol	60.10	2.83		0.80	
107-05-1	3-Chloropropene	76.53	1.07		0.080	
622-96-8	4-Ethyltoluene	120.20	1.06		0.16	
108-10-1	4-Methyl-2-pentanone (MIBK)	100.16	1.03		0.20	
67-64-1	Acetone	58.08	2.93		2.0	
100-44-7	alpha-Chlorotoluene	126.58	1.14		0.16	
71-43-2	Benzene	78.11	1.03		0.080	
75-27-4	Bromodichloromethane	163.83	1.05		0.080	
75-25-2	Bromoform	252.75	1.03		0.080	
74-83-9	Bromomethane	94.94	1.24		0.080	
75-15-0	Carbon disulfide	76.14	1.09		0.20	
56-23-5	Carbon tetrachloride	153.81	1.11		0.032	
108-90-7	Chlorobenzene	112.56	1.04		0.080	
75-00-3	Chloroethane	64.52	1.20		0.080	
67-66-3	Chloroform	119.38	1.06		0.080	
74-87-3	Chloromethane	50.49	1.31		0.20	

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

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 140-38705/1002

Matrix: Air Lab File ID: HCCVC30-LCS.d

Analysis Method: TO 15 LL Date Collected:

Sample wt/vol: 500(mL) Date Analyzed: 03/30/2020 08:25

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38705 Units: ppb v/v

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	
156-59-2	cis-1,2-Dichloroethene	96.94	1.02		0.040	
10061-01-5	cis-1,3-Dichloropropene	110.97	1.01		0.080	
98-82-8	Cumene	120.19	1.07		0.16	
110-82-7	Cyclohexane	84.16	0.955		0.20	
124-48-1	Dibromochloromethane	208.29	1.07		0.080	
64-17-5	Ethanol	46.07	6.45		2.0	
100-41-4	Ethylbenzene	106.17	1.02		0.080	
75-69-4	Freon 11	137.37	1.13		0.080	
76-13-1	Freon 113	187.38	1.13		0.080	
75-71-8	Freon 12	120.91	1.21		0.080	
76-14-2	Freon-114	170.92	1.24		0.080	
142-82-5	Heptane	100.21	0.949		0.20	
87-68-3	Hexachlorobutadiene	260.76	1.05		0.080	
110-54-3	Hexane	86.17	1.04		0.20	
1634-04-4	Methyl tert-butyl ether	88.15	1.05		0.16	
75-09-2	Methylene Chloride	84.93	1.15		0.40	
179601-23-1	m-Xylene & p-Xylene	106.17	2.12		0.080	
95-47-6	o-Xylene	106.17	1.09		0.080	
103-65-1	Propylbenzene	120.19	1.02		0.16	
100-42-5	Styrene	104.15	1.06		0.080	
127-18-4	Tetrachloroethene	165.83	1.02		0.080	
109-99-9	Tetrahydrofuran	72.11	1.04		0.40	
108-88-3	Toluene	92.14	1.01		0.12	
156-60-5	trans-1,2-Dichloroethene	96.94	1.06		0.080	
10061-02-6	trans-1,3-Dichloropropene	110.97	0.928		0.080	
79-01-6	Trichloroethene	131.39	0.985		0.036	
75-01-4	Vinyl chloride	62.50	1.20		0.040	

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	106		60-140

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\HCCVC30-LCS.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 30-Mar-2020 08:25:30 ALS Bottle#: 1 Worklist Smp#: 1002
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0015074-002
Misc. Info.: P107
Operator ID: HMT Instrument ID: MH

Method: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\MH_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 31-Mar-2020 13:31:17 Calib Date: 18-Mar-2020 11:50:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0306

First Level Reviewer: smelcerb Date: 31-Mar-2020 10:06:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.587	8.587	0.000	97	104310	4.00	4.00	
* 2 1,4-Difluorobenzene	114	10.794	10.794	0.000	95	711171	4.00	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.575	15.575	0.000	89	586061	4.00	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.244	17.244	0.000	88	422151	4.00	4.25	
6 Chlorodifluoromethane	51	3.548	3.548	0.000	97	106419	1.00	1.17	
7 Propene	41	3.559	3.559	0.000	99	68359	1.00	1.23	
8 Dichlorodifluoromethane	85	3.610	3.610	0.000	100	161252	1.00	1.21	
9 Chloromethane	52	3.781	3.781	0.000	97	16113	1.00	1.31	
10 1,2-Dichloro-1,1,2,2-tetra	135	3.786	3.786	0.000	95	94814	1.00	1.24	
11 Acetaldehyde	44	3.931	3.931	0.000	99	103672	5.00	6.21	
12 Vinyl chloride	62	3.946	3.946	0.000	99	51884	1.00	1.20	
13 Butane	43	4.029	4.029	0.000	82	70199	1.00	1.30	
14 Butadiene	54	4.029	4.029	0.000	71	37586	1.00	1.19	
15 Bromomethane	94	4.339	4.339	0.000	98	55531	1.00	1.24	
16 Chloroethane	64	4.473	4.473	0.000	97	24247	1.00	1.20	
17 Ethanol	31	4.566	4.566	0.000	95	97828	5.00	6.45	
18 Vinyl bromide	106	4.763	4.763	0.000	97	51151	1.00	1.20	
19 2-Methylbutane	43	4.809	4.809	0.000	90	56707	1.00	1.24	
20 Trichlorofluoromethane	101	5.026	5.026	0.000	100	149153	1.00	1.13	
21 Acrolein	56	5.037	5.037	0.000	94	17930	1.00	1.13	
22 Acetonitrile	40	5.099	5.099	0.000	98	24423	1.00	1.17	
23 Acetone	58	5.145	5.145	0.000	98	73481	3.00	2.93	
25 Isopropyl alcohol	45	5.233	5.233	0.000	94	192929	3.00	2.83	
24 Pentane	72	5.238	5.238	0.000	97	6939	1.00	1.07	
26 Ethyl ether	31	5.404	5.404	0.000	93	54639	1.00	1.14	
27 1,1-Dichloroethene	96	5.714	5.714	0.000	95	50160	1.00	1.00	
29 2-Methyl-2-propanol	59	5.822	5.822	0.000	94	80292	1.00	1.01	
28 Acrylonitrile	53	5.828	5.828	0.000	91	40894	1.00	1.09	
30 1,1,2-Trichloro-1,2,2-trif	101	5.890	5.890	0.000	93	119950	1.00	1.13	
31 Methylene Chloride	84	6.060	6.060	0.000	98	73772	1.00	1.15	
32 3-Chloro-1-propene	39	6.076	6.076	0.000	98	43267	1.00	1.07	

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	6.220	0.000	99	157134	1.00	1.09	
34 trans-1,2-Dichloroethene	96	6.861	6.861	0.000	97	51326	1.00	1.06	
35 2-Methylpentane	43	6.872	6.872	0.000	95	114098	1.00	1.10	
36 Methyl tert-butyl ether	73	6.985	6.985	0.000	97	122887	1.00	1.05	
37 1,1-Dichloroethane	63	7.280	7.280	0.000	100	100768	1.00	1.06	
38 Vinyl acetate	43	7.383	7.383	0.000	100	137113	1.00	1.03	
39 2-Butanone (MEK)	72	7.828	7.828	0.000	96	22125	1.00	0.9140	
40 Hexane	56	7.854	7.854	0.000	89	40315	1.00	1.04	
41 Isopropyl ether	45	8.003	8.003	0.000	97	181661	1.00	1.06	
42 cis-1,2-Dichloroethene	96	8.257	8.257	0.000	97	52469	1.00	1.02	
43 Ethyl acetate	43	8.438	8.438	0.000	99	120324	1.00	1.07	
44 Chloroform	83	8.603	8.603	0.000	97	119075	1.00	1.06	
45 Tert-butyl ethyl ether	59	8.680	8.680	0.000	97	152884	1.00	1.04	
46 Tetrahydrofuran	42	9.001	9.001	0.000	93	54807	1.00	1.04	
47 1,1,1-Trichloroethane	97	9.621	9.621	0.000	97	110305	1.00	1.04	
48 1,2-Dichloroethane	62	9.735	9.735	0.000	97	75265	1.00	1.04	
49 n-Butanol	31	10.205	10.205	0.000	83	15800	1.00	0.8637	
50 Cyclohexane	69	10.226	10.226	0.000	79	21398	1.00	0.9553	
51 Benzene	78	10.231	10.231	0.000	97	154462	1.00	1.03	
52 Carbon tetrachloride	117	10.252	10.252	0.000	95	111211	1.00	1.11	
53 2,3-Dimethylpentane	71	10.350	10.350	0.000	90	31318	1.00	0.9788	
54 Thiophene	84	10.515	10.515	0.000	97	88516	1.00	1.01	
55 Isooctane	57	11.006	11.006	0.000	98	245012	1.00	1.01	
56 n-Heptane	71	11.389	11.389	0.000	92	45803	1.00	0.9486	
57 1,2-Dichloropropane	63	11.477	11.477	0.000	92	64128	1.00	1.06	
58 Trichloroethene	130	11.513	11.513	0.000	94	61906	1.00	0.9851	
59 Dibromomethane	93	11.601	11.601	0.000	91	72852	1.00	1.06	
60 Dichlorobromomethane	83	11.745	11.745	0.000	98	120705	1.00	1.05	
61 1,4-Dioxane	88	11.761	11.761	0.000	92	19481	1.00	0.8837	
62 Methyl methacrylate	41	11.844	11.844	0.000	92	65424	1.00	1.02	
63 Methylcyclohexane	83	12.288	12.288	0.000	93	83556	1.00	0.9120	
64 4-Methyl-2-pentanone (MIBK	43	12.707	12.707	0.000	98	127100	1.00	1.03	
65 cis-1,3-Dichloropropene	75	12.763	12.763	0.000	95	86533	1.00	1.01	
66 trans-1,3-Dichloropropene	75	13.472	13.472	0.000	99	71159	1.00	0.9281	
67 Toluene	91	13.590	13.590	0.000	93	174961	1.00	1.01	
68 1,1,2-Trichloroethane	83	13.668	13.668	0.000	97	62889	1.00	1.09	
69 2-Hexanone	58	14.056	14.056	0.000	91	57394	1.00	0.9592	
70 n-Octane	85	14.288	14.288	0.000	94	48829	1.00	0.9643	
71 Chlorodibromomethane	129	14.376	14.376	0.000	97	112837	1.00	1.07	
72 Ethylene Dibromide	107	14.665	14.665	0.000	97	102072	1.00	1.00	
73 Tetrachloroethene	129	14.738	14.738	0.000	91	63293	1.00	1.02	
74 Chlorobenzene	112	15.622	15.622	0.000	92	137349	1.00	1.04	
75 2,3-Dimethylheptane	43	15.642	15.642	0.000	95	181949	1.00	1.17	
76 Ethylbenzene	91	15.911	15.911	0.000	99	227258	1.00	1.02	
77 m-Xylene & p-Xylene	91	16.076	16.076	0.000	99	358577	2.00	2.12	
78 n-Nonane	57	16.495	16.495	0.000	93	115599	1.00	1.02	
79 Bromoform	173	16.526	16.526	0.000	94	110674	1.00	1.03	
80 Styrene	104	16.542	16.542	0.000	99	126862	1.00	1.06	
81 o-Xylene	91	16.604	16.604	0.000	98	191011	1.00	1.09	
82 1,1,2,2-Tetrachloroethane	83	16.940	16.940	0.000	98	169233	1.00	1.16	
83 1,2,3-Trichloropropane	110	17.105	17.105	0.000	97	37197	1.00	1.11	
84 Isopropylbenzene	105	17.213	17.213	0.000	97	246763	1.00	1.07	

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	17.782	17.782	0.000	98	64133	1.00	1.02	
86 2-Chlorotoluene	126	17.828	17.828	0.000	98	64308	1.00	1.08	
87 4-Ethyltoluene	105	17.942	17.942	0.000	98	251024	1.00	1.06	
88 1,3,5-Trimethylbenzene	120	18.020	18.020	0.000	92	99313	1.00	1.06	
89 Alpha Methyl Styrene	118	18.263	18.263	0.000	85	95178	1.00	1.01	
90 n-Decane	57	18.325	18.325	0.000	89	165591	1.00	1.13	
91 tert-Butylbenzene	119	18.464	18.464	0.000	89	216710	1.00	1.11	
92 1,2,4-Trimethylbenzene	105	18.480	18.480	0.000	97	221361	1.00	1.13	
93 sec-Butylbenzene	105	18.743	18.743	0.000	98	321782	1.00	1.14	
94 1,3-Dichlorobenzene	146	18.759	18.759	0.000	98	139723	1.00	1.13	
95 Benzyl chloride	91	18.841	18.841	0.000	97	161764	1.00	1.14	
96 1,4-Dichlorobenzene	146	18.852	18.852	0.000	92	132471	1.00	1.09	
97 4-Isopropyltoluene	119	18.914	18.914	0.000	96	249532	1.00	1.13	
98 1,2,3-Trimethylbenzene	105	18.971	18.971	0.000	99	225687	1.00	1.15	
99 Butylcyclohexane	83	19.022	19.022	0.000	93	193553	1.00	1.20	
100 1,2-Dichlorobenzene	146	19.224	19.224	0.000	79	140632	1.00	1.14	
101 2,3-Dihydroindene	117	19.224	19.224	0.000	93	207301	1.00	1.17	
102 Indene	116	19.358	19.358	0.000	90	177704	1.00	1.15	
103 n-Butylbenzene	91	19.363	19.363	0.000	96	289736	1.00	1.25	
104 Undecane	57	19.689	19.689	0.000	96	180541	1.00	1.16	
105 1,2-Dibromo-3-Chloropropan	157	19.849	19.849	0.000	95	74068	1.00	1.10	
106 1,2,4,5-Tetramethylbenzene	119	20.139	20.139	0.000	96	225959	1.00	1.05	
107 Dodecane	57	20.769	20.769	0.000	95	167149	1.00	1.15	
108 1,2,4-Trichlorobenzene	180	20.976	20.976	0.000	94	88403	1.00	0.9152	
109 Naphthalene	128	21.121	21.121	0.000	98	225372	1.00	0.9776	
110 Hexachlorobutadiene	225	21.343	21.343	0.000	90	108676	1.00	1.05	
111 1,2,3-Trichlorobenzene	180	21.415	21.415	0.000	93	93110	1.00	1.00	
112 2-Methylnaphthalene	142	22.067	22.067	0.000	96	30465	1.00	0.8229	
113 1-Methylnaphthalene	142	22.191	22.191	0.000	96	53198	1.00	1.02	
A 115 C8 Range	1	14.291	(14.236-14.330)		0	514265	1.00	1.06	
S 116 Xylenes, Total	100				0		3.00	3.21	
S 117 1,2-Dichloroethene, Total	1				0		2.00	2.07	

Reagents:

40CV101P_00107	Amount Added: 50.00	Units: mL	
40MXISSURP_00004	Amount Added: 40.00	Units: mL	Run Reagent

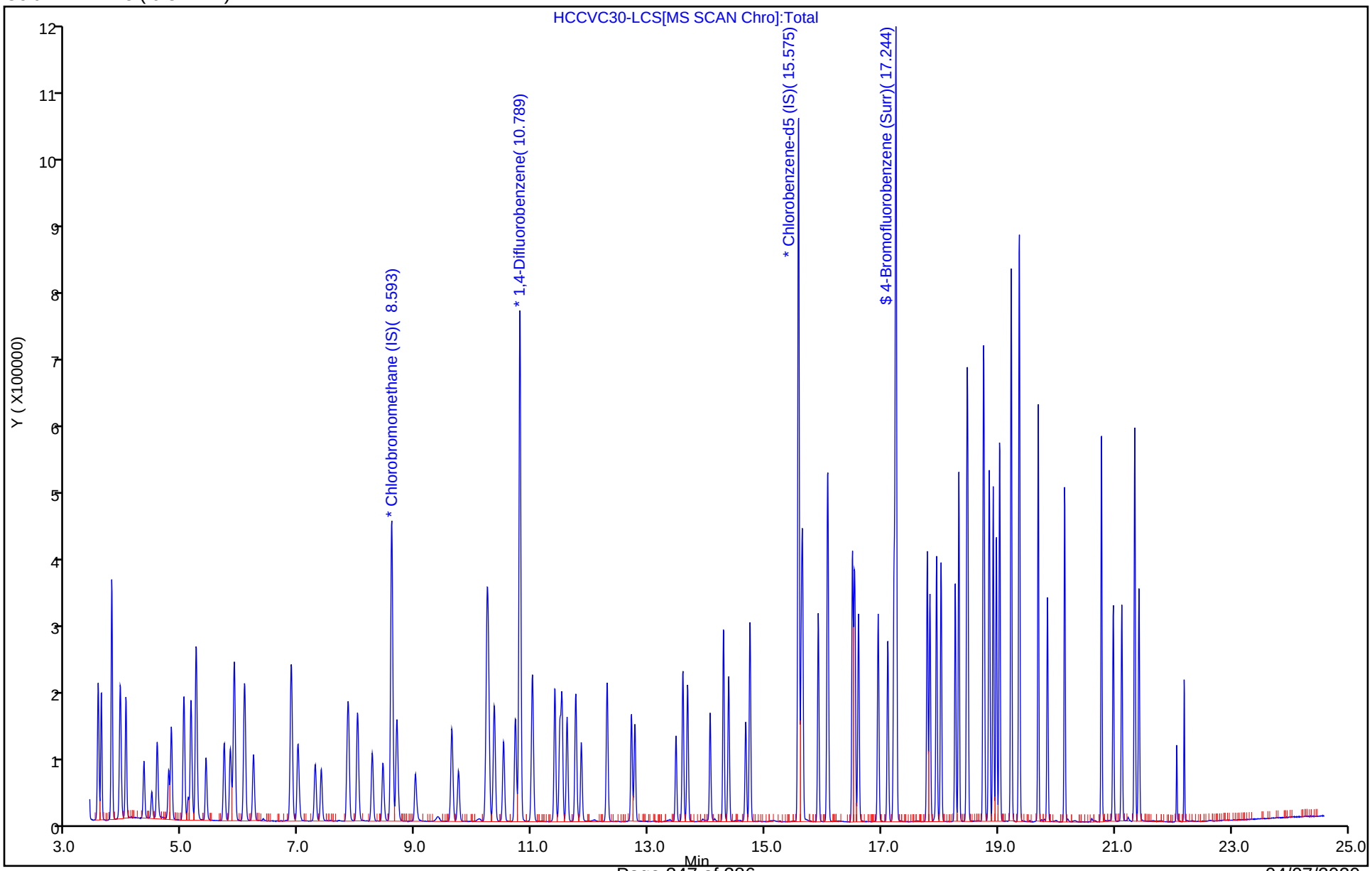
Report Date: 31-Mar-2020 13:31:25 Chrom Revision: 2.3 11-Mar-2020 18:53:20

TestAmerica Laboratories

Data File: \\chromna\Knoxville\ChromData\MH\20200327-15074.b\HCCVC30-LCS.d

Injection Date:	30-Mar-2020 08:25:30	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)



TestAmerica Laboratories
Recovery Report

Data File:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\HCCVC30-LCS.d				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	30-Mar-2020 08:25:30	ALS Bottle#:	1	Worklist Smp#:	1002
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0015074-002				
Misc. Info.:	P107				
Operator ID:	HMT	Instrument ID:	MH		
Method:	\\chromna\Knoxville\ChromData\MH\20200327-15074.b\MH_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	31-Mar-2020 13:31:17	Calib Date:	18-Mar-2020 11:50:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MH\20200317-14958.b\HC18IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0306				

First Level Reviewer: smelcerb Date: 31-Mar-2020 10:06:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 4-Bromofluorobenzene (Surr)	4.00	4.25	106.23

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Instrument ID: MG Start Date: 03/12/2020 14:39

Analysis Batch Number: 38280 End Date: 03/13/2020 03:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-38280/1		03/12/2020 14:39	1	GBFBC12.D	RTX-5 0.32(mm)
IC 140-38280/3		03/12/2020 15:46	1	GC12IC01.D	RTX-5 0.32(mm)
IC 140-38280/4		03/12/2020 16:29	1	GC12IC02.D	RTX-5 0.32(mm)
IC 140-38280/5		03/12/2020 17:13	1	GC12IC03.D	RTX-5 0.32(mm)
IC 140-38280/6		03/12/2020 17:59	1	GC12IC04.D	RTX-5 0.32(mm)
IC 140-38280/7		03/12/2020 18:46	1	GC12IC05.D	RTX-5 0.32(mm)
IC 140-38280/8		03/12/2020 19:34	1	GC12IC06.D	RTX-5 0.32(mm)
ICIS 140-38280/9		03/12/2020 20:18	1	GC12IC07.D	RTX-5 0.32(mm)
IC 140-38280/11		03/12/2020 21:47	1	GC12IC08.D	RTX-5 0.32(mm)
IC 140-38280/13		03/12/2020 23:15	1	GC12IC09.D	RTX-5 0.32(mm)
IC 140-38280/15		03/13/2020 00:45	1	GC12IC10.D	RTX-5 0.32(mm)
ICV 140-38280/19		03/13/2020 03:29	1	GC12LCS.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 20 & KNOX-MS-0023, Rev 4

Analysis Date:	3/12/20	Instrument:	MG	Chrom WL #:	14911	TALS Batch & Event #	TO14/15: 2346 38280	DoE: 2347 / 38281
							DOD: 2349 38283	OHIO: 2348 / 38282

Chrom/Worklist Review	1st	Comments	2nd
1. Re-read each Limit Group [method editor-limit groups]	✓		na
2. Verify LODV in Chrom [method editor -> edit -> MDL]	✓		na
3. Are the reagents and init/final volumes correct and first level "unlock/clear"? (Verify reagents & amt. injected at each level) [WL Sample Reagents Tab vs. Entech]	✓		✓
4. Files linked properly to calibration levels? [Sample List- Lab ID vs. Info]	✓		✓
5. Did BFB meet tune criteria? [F8]	✓		✓
6. Were all standards injected within 24 hr of BFB? [F7]	✓		✓
7. High point checked for saturation and point removed if so? [Chrom]	✓		✓
8. If manual integrations performed, are they properly performed, correct, baseline clearly identified, and correct reason given? [Chrom]	✓		✓
9. RT for each IS ±20 sec avg. RT? [F6 IstdRec]	✓		✓
10. Area for each IS ± 40% avg. area? [F6 IstdRec]	✓		✓
11. Each analyte ± 0.06 RRT of avg. RRT? [F6 - RRT]	✓		✓
12. Elution order checked on isomeric pairs? [Chrom]			
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane	✓		✓
• 2-methyl butane / acrolein	✓		✓
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane	✓		✓
• vinyl acetate / hexane	✓		✓
• cis- and trans- isomers	✓		✓
• ethyl benzene / m/p-xylene / o-xylene	✓		✓
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/ sec-butylbenzene/1,2,3-trimethylbenzene	✓		✓
• tert-butylbenzene/4-isopropyltoluene	✓		✓
• 1,3- , 1,4- , and 1,2-dichlorobenzene	✓		✓
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes	✓	IN ICV	✓
• 1,2,4- and 1,2,3-trichlorobenzenes	✓		✓
• 2-, and 1-methylnaphthalene	✓		✓
13. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?	✓		✓

MLG Review	TO	DOD	OH	Comments	TO-	DOD	OH
14. Is %RSD for all target analytes ≤ 30%? (with up to 2 compounds with RSD ≤ 40%) 1& 2 methylnaphthalene ≤ 50% MeCl2 - Lmax 0.998 [F6 Σ]	✓	✓	✓	MeCl2 >40% RSD-NCM	✓	✓	✓
15. Were at least 5 levels of each compound analyzed? [F6]	✓	✓	✓		✓	✓	✓
16. Is low level std at or <RL and are the remaining points consec.? [F6]	✓	✓	✓		✓	✓	✓
17. At least 6 consec. points used for quad curves; at least 5 consec. points for linear curves? (Note: Ohio does not allow quad) [F6]	✓	✓	✓		✓	✓	✓
18. If curves were used, is correlation coefficient ≥0.990? [F6]	✓	✓	✓		✓	✓	✓
19. Is the intercept less than the RL for each curve? [F6]	✓	✓	✓		✓	✓	✓
20. For quadratic: is a tangent's slope to the curve entirely positive or negative and continuous. [Cntrl-C, details]	✓	✓	na		✓	✓	na
21. Is low point RSE ≤ 50 %? [F6]	✓	✓	✓		✓	✓	✓
22. Is the second source analysis within limits? [F8 - icv]	✓	✓	✓		✓	✓	✓

Analyst/Date:	2nd Level Reviewer/Date:
3/13/20	03/13/20

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]	✓	✓	✓	NCM MeCl2 >40% RSD	✓	✓	✓
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:
3/13/20	03/13/20
Comments:	**Comments:**
	NCM 22283

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Instrument ID: MH Start Date: 03/18/2020 01:37

Analysis Batch Number: 38415 End Date: 03/18/2020 14:14

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-38415/1		03/18/2020 01:37	1	HC18BFBIC.D	RTX-5 0.32(mm)
IC 140-38415/3		03/18/2020 02:32	1	HC18IC01A.D	RTX-5 0.32(mm)
IC 140-38415/4		03/18/2020 03:25	1	HC18IC02A.D	RTX-5 0.32(mm)
IC 140-38415/5		03/18/2020 04:18	1	HC18IC03.D	RTX-5 0.32(mm)
IC 140-38415/6		03/18/2020 05:12	1	HC18IC04.D	RTX-5 0.32(mm)
IC 140-38415/7		03/18/2020 06:05	1	HC18IC05.D	RTX-5 0.32(mm)
IC 140-38415/8		03/18/2020 06:58	1	HC18IC06.D	RTX-5 0.32(mm)
ICIS 140-38415/9		03/18/2020 07:51	1	HC18IC07.D	RTX-5 0.32(mm)
IC 140-38415/11		03/18/2020 09:37	1	HC18IC08.D	RTX-5 0.32(mm)
IC 140-38415/13		03/18/2020 10:30	1	HC18IC09.D	RTX-5 0.32(mm)
IC 140-38415/15		03/18/2020 11:50	1	HC18IC10.D	RTX-5 0.32(mm)
ICV 140-38415/18		03/18/2020 14:14	1	HC18LCS.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 20 & KNOX-MS-0023, Rev 4

Analysis Date:	3/18/20	Instrument:	MH	Chrom WL #:	14958	TALS Batch & Event #	TO14/15: 2359/ 38415 3814	DOD5: 2360- 38416
							DOD: 2362/ 38418 3/18/20	OHIO: 2361/ 38417

Chrom/Worklist Review	1st	Comments	2nd
1. Re-read each Limit Group [method editor-limit groups]	✓		na
2. Verify LODV in Chrom [method editor -> edit -> MDL]	✓		na
3. Are the reagents and init/final volumes correct and first level "unlock/clear"? (Verify reagents & amt. injected at each level) [WL Sample Reagents Tab vs. Entech]	✓		✓
4. Files linked properly to calibration levels? [Sample List- Lab ID vs. Info]	✓		✓
5. Did BFB meet tune criteria? [F8]	✓		✓
6. Were all standards injected within 24 hr of BFB? [F7]	✓		✓
7. High point checked for saturation and point removed if so? [Chrom]	✓		✓
8. If manual integrations performed, are they properly performed, correct, baseline clearly identified, and correct reason given? [Chrom]	na		mj
9. RT for each IS ±20 sec avg. RT? [F6 IstdRec]	✓		✓
10. Area for each IS ± 40% avg. area? [F6 IstdRec]	✓		✓
11. Each analyte ± 0.06 RRT of avg. RRT? [F6 - RRT]	✓		✓
12. Elution order checked on isomeric pairs? [Chrom]			
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane	✓		✓
• 2-methyl butane / acrolein	✓		✓
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane	✓		✓
• vinyl acetate / hexane	✓		✓
• cis- and trans- isomers	✓		✓
• ethyl benzene / m/p-xylene / o-xylene	✓		✓
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/ sec-butylbenzene/1,2,3-trimethylbenzene	✓		✓
• tert-butylbenzene/4-isopropyltoluene	✓		✓
• 1,3- , 1,4- , and 1,2-dichlorobenzene	✓		✓
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes	✓		✓
• 1,2,4- and 1,2,3-trichlorobenzenes	✓		✓
• 2-, and 1-methylnaphthalene	✓		✓
13. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?	✓		✓

MLG Review	TO	DOD	OH	Comments	TO-	DOD	OH
14. Is %RSD for all target analytes ≤ 30%? (with up to 2 compounds with RSD ≤ 40%) 1& 2 methylnaphthalene ≤ 50% MeCl2 [F6 Σ]	✓	✓	✓	✓	✓	✓	✓
15. Were at least 5 levels of each compound analyzed? [F6]	✓	✓	✓		✓	✓	✓
16. Is low level std at or <RL and are the remaining points consec.? [F6]	✓	✓	✓		✓	✓	✓
17. At least 6 consec. points used for quad curves; at least 5 consec. points for linear curves? (Note: Ohio does not allow quad) [F6]	✓	✓	✓		✓	✓	✓
18. If curves were used, is correlation coefficient ≥0.990? [F6]	✓	✓	✓		✓	✓	✓
19. Is the intercept less than the RL for each curve? [F6]	✓	✓	✓		✓	✓	✓
20. For quadratic: is a tangent's slope to the curve entirely positive or negative and continuous. [Cntrl-C, details]	✓	✓	na		✓	✓	na
21. Is low point RSE ≤ 50 %? [F6]	✓	✓	✓		✓	✓	✓
22. Is the second source analysis within limits? [F8 - icv]	✓	✓	✓		✓	✓	✓
Analyst/Date: ✓ 3/18/20		**2nd Level Reviewer/Date:** ✓ 03/22/20					

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: ✓ 3/18/20	2nd Level Reviewer/date: ✓ 03/22/20
Comments: hexachlorobutadiene RL DOD/5 ≤ 0.16	Comments:

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Instrument ID: MG Start Date: 03/27/2020 08:24

Analysis Batch Number: 38633 End Date: 03/28/2020 02:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-38633/1		03/27/2020 08:24	1	GBFBC27.D	RTX-5 0.32(mm)
CCVIS 140-38633/2		03/27/2020 09:01	1	GCCVC27.D	RTX-5 0.32(mm)
LCS 140-38633/1002		03/27/2020 09:01	1	GCCVC27-LCS.d	RTX-5 0.32(mm)
MB 140-38633/4		03/27/2020 11:09	1	G500BC27.D	RTX-5 0.32(mm)
140-18683-1		03/27/2020 11:52	26.36	GC27P101.D	RTX-5 0.32(mm)
ZZZZZ		03/27/2020 12:52	1		RTX-5 0.32(mm)
140-18683-2		03/27/2020 14:44	99.88	GC27P201.D	RTX-5 0.32(mm)
140-18683-3		03/27/2020 15:28	15.42	GC27P202.D	RTX-5 0.32(mm)
140-18683-4		03/27/2020 16:11	13.29	GC27P103.D	RTX-5 0.32(mm)
140-18683-5		03/27/2020 16:54	36.6	GC27P104D.D	RTX-5 0.32(mm)
ZZZZZ		03/27/2020 17:40	36.6		RTX-5 0.32(mm)
140-18683-6		03/27/2020 18:25	5.57	GC27P105.D	RTX-5 0.32(mm)
ZZZZZ		03/27/2020 19:09	81.58		RTX-5 0.32(mm)
ZZZZZ		03/27/2020 19:53	4.05		RTX-5 0.32(mm)
ZZZZZ		03/27/2020 20:37	1		RTX-5 0.32(mm)
ZZZZZ		03/27/2020 21:25	1		RTX-5 0.32(mm)
ZZZZZ		03/27/2020 22:15	1		RTX-5 0.32(mm)
ZZZZZ		03/27/2020 23:06	1		RTX-5 0.32(mm)
ZZZZZ		03/27/2020 23:57	1		RTX-5 0.32(mm)
ZZZZZ		03/28/2020 00:44	1		RTX-5 0.32(mm)
ZZZZZ		03/28/2020 01:29	1		RTX-5 0.32(mm)
ZZZZZ		03/28/2020 02:14	1		RTX-5 0.32(mm)
ZZZZZ		03/28/2020 02:59	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	MG 3/27/2020		Routine	DOD	OHIO VAP
CCAL Chrom WL #	15043	CCAL Batch #	38633		
ICAL Chrom WL #	14911	ICAL Batch # / Event #	38280 / 2346	/	/

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: 1,2,4-trichlorobenzene, Hexachlorobutadiene	
4. Elution order checked on isomeric pairs? [Chrom]			
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane	✓		
• 2-methyl butane / acrolein	✓		
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane	✓		
• vinyl acetate / hexane	✓		
• cis- and trans- isomers	✓		
• ethyl benzene / m/p-xylene / o-xylene	✓		
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/sec-butylbenzene/1,2,3-trimethylbenzene	✓		
• tert-butylbenzene/4-isopropyltoluene	✓		
• 1,3- , 1,4- , and 1,2-dichlorobenzene	✓		
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes	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 Suphawan Kh. 3/30/2020		**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# 22470) □ CCV - %D high - outside criteria, samples ND, Sample IDs Included (NCM#_____)	
22. Undiluted volume analyzed meets the method requirement (200 mL vs. 500 mL)?	/		na
23. Project & sample special instructions verified?	/		
24. If samples were Tedlar bags, was the 72 hr HT met? ** Narrate transfer to can.	NA	□ Air Analysis - Air Sample Transfer to Canister (NCM#____)	
25. Sample analyses done within analytical holding time?	/	□ Holding Time – Received w/Insufficient Time (NCM#_____) □ Holding Time – Receipt (NCM#_____)	
26. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%, and no two consecutive MEs). [Sample Results Tab] Note: No LCS required for OH VAP.	/	□ Marginal Exceedances - Within ME Limits and Random; Report (NCM# ___) □ LCS/LCSD - %R High (NCM#_____)	
27. Suffixes assigned properly (DL/RE)? [Sample List Tab]	/		
28. Each job has QC created (BFB, CCV, LCS, MB)? [Sample List Tab]	/		
29. Analytes over calibration range set to secondary [Conditions Review Tab]	/		
30. Samples not reported set to 'Acceptable' or 'Rejected'? [Sample Results Tab]	/		
31. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for n-butanol) *(If DUP not reported - set to 'Acceptable' for each job)*	/		
32. Samples linked to proper blank (200 mL or 500 mL)? [QC links]	/	**500 mL blank ID:** 140-38633/4 **200 mL blank ID:** –	
33. Samples linked to job's BFB/CCV/LCS/MB? [QC Links]	/		
34. Correct ICV linked to each MB? [QC Links]	/		
35. Were all samples/QC analyzed within 24 hr of BFB? [F7]	/		
36. If criteria were not met, was a NCM generated, and assigned to proper QC & samples? [Also see Conditions Review Tab]	/		
37. Run Checklist and acknowledge findings [F8]	/		
38. Runs set to 1st level review?	/	Runs set to 2nd level review?	
39. QC checker run and items addressed?	-na-		
40. Checklist & Entech report scanned, attached & assigned properly?	-na-		

Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed
>90	5
71 - 90	4
51 - 70	3
31 - 50	2
11 - 30	1
< 11	0

Analyst: Suphawarn Ph	Date: 3/30/2020	2nd Level Reviewer :	Date:
Comments:		**Comments:**	

Example Calculation: 140-18664-1 PCE

On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF

$3.90169 \times \frac{500}{20} \times 1.0 = 98$

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	MG 3/27/20		Routine	DOD	OHIO VAP
CCAL Chrom WL #	15043	CCAL Batch #	38633		
ICAL Chrom WL #	14911	ICAL Batch # / Event #	38280 /2346	/	/

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 3/30/20**	

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?			**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)?			
23. Project & sample special instructions verified?			**Y**
24. If samples were Tedlar bags, was the 72 hr HT met? ** Narrate transfer to can.		□ Air Analysis - Air Sample Transfer to Canister (NCM#____)	**NA**
25. Sample analyses done within analytical holding time?		□ Holding Time – Received w/Insufficient Time (NCM#_____) □ Holding Time – Receipt (NCM#_____)	**Y**
26. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%, and no two consecutive MEs). [Sample Results Tab] Note: No LCS required for OH VAP.		□ Marginal Exceedances - Within ME Limits and Random; Report (NCM# ___) □ LCS/LCSD - %R High (NCM#_____)	**Y**
27. Suffixes assigned properly (DL/RE)? [Sample List Tab]			**Y**
28. Each job has QC created (BFB, CCV, LCS, MB)? [Sample List Tab]			**Y**
29. Analytes over calibration range set to secondary [Conditions Review Tab]			**Y**
30. Samples not reported set to 'Acceptable' or 'Rejected'? [Sample Results Tab]			**Y**
31. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for n-butanol) *(If DUP not reported - set to 'Acceptable' for each job)*			**Y**
32. Samples linked to proper blank (200 mL or 500 mL)? [QC links]		**500 mL blank ID: ____4** **200 mL blank ID: _____NA_____**	**Y**
33. Samples linked to job's BFB/CCV/LCS/MB? [QC Links]			**Y**
34. Correct ICV linked to each MB? [QC Links]			**Y**
35. Were all samples/QC analyzed within 24 hr of BFB? [F7]			**Y**
36. If criteria were not met, was a NCM generated, and assigned to proper QC & samples? [Also see Conditions Review Tab]			**Y**
37. Run Checklist and acknowledge findings [F8]			**Y**
38. Runs set to 1st level review?		Runs set to 2nd level review?	**Y**
39. QC checker run and items addressed?	**-na-**		**Y**
40. Checklist & Entech report scanned, attached & assigned properly?	**-na-**		**Y**

Number of target analytes in LCS / # marginal exceedances of LCS control limits allowed

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: 3/30/20**
Comments:		**Comments:**	
Example Calculation:			
On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF			

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18683-1

SDG No.:

Instrument ID: MH Start Date: 03/30/2020 07:58

Analysis Batch Number: 38705 End Date: 03/31/2020 07:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 140-38705/1		03/30/2020 07:58	1	HBFBC30.D	RTX-5 0.32(mm)
CCVIS 140-38705/2		03/30/2020 08:25	1	HCCVC30.D	RTX-5 0.32(mm)
LCS 140-38705/1002		03/30/2020 08:25	1	HCCVC30-LCS.d	RTX-5 0.32(mm)
MB 140-38705/4		03/30/2020 11:01	1	H500BC30.D	RTX-5 0.32(mm)
ZZZZZ		03/30/2020 11:54	1		RTX-5 0.32(mm)
140-18683-1 DL		03/30/2020 15:59	81.58	HC30P103.D	RTX-5 0.32(mm)
ZZZZZ		03/30/2020 16:50	99.88		RTX-5 0.32(mm)
140-18683-3 DL		03/30/2020 17:41	55.27	HC30P105.D	RTX-5 0.32(mm)
ZZZZZ		03/30/2020 18:33	13.29		RTX-5 0.32(mm)
140-18683-5 DL		03/30/2020 19:25	36.6	HC30P107.D	RTX-5 0.32(mm)
ZZZZZ		03/30/2020 20:17	5.57		RTX-5 0.32(mm)
ZZZZZ		03/30/2020 21:09	5.62		RTX-5 0.32(mm)
ZZZZZ		03/30/2020 22:01	1		RTX-5 0.32(mm)
ZZZZZ		03/30/2020 22:54	1.89		RTX-5 0.32(mm)
ZZZZZ		03/30/2020 23:48	1.89		RTX-5 0.32(mm)
ZZZZZ		03/31/2020 07:42	5.57		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 3/30/20		Routine	DOD	OHIO VAP
CCAL Chrom WL #	14958	CCAL Batch #	38705		
ICAL Chrom WL #	15074	ICAL Batch # / Event #	2359 / 38415	/	/

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: Chloromethane	
4. Elution order checked on isomeric pairs? [Chrom]			
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane	✓		
• 2-methyl butane / acrolein	✓		
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane	✓		
• vinyl acetate / hexane	✓		
• cis- and trans- isomers	✓		
• ethyl benzene / m/p-xylene / o-xylene	✓		
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/sec-butylbenzene/1,2,3-trimethylbenzene	✓		
• tert-butylbenzene/4-isopropyltoluene	✓		
• 1,3- , 1,4- , and 1,2-dichlorobenzene	✓		
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes	✓		
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene	✓		
• 2-, and 1-methylnaphthalene	✓		
5. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?	✓		
6. Has the RT been updated to the method?	✓		
Analyst/date BRS 3/31/20	4 3/31/20	**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]	✓	✓ 3/31/20	
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?	✓		
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?	✓	□ [Failed TO-14A, but passes TO-15] (NCM# 22502)	
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#_____)	
22. Undiluted volume analyzed meets the method requirement (200 mL vs. 500 mL)?	✓		na
23. Project & sample special instructions verified?	✓		
24. If samples were Tedlar bags, was the 72 hr HT met? ** Narrate transfer to can.	✓	☒ Air Analysis - Air Sample Transfer to Canister (NCM# 22479)	
25. Sample analyses done within analytical holding time?	✓	□ Holding Time – Received w/Insufficient Time (NCM#_____) □ Holding Time – Receipt (NCM#_____)	
26. Did the LCS meet criteria (70-130% with a limited # allowed 60-140% (see table) provisional analyte limit 60-140% with a limited # allowed 50-150%, and no two consecutive MEs). [Sample Results Tab] Note: No LCS required for OH VAP.	✓	□ Marginal Exceedances - Within ME Limits and Random; Report (NCM# ___) □ LCS/LCSD - %R High (NCM#_____)	
27. Suffixes assigned properly (DL/RE)? [Sample List Tab]			
28. Each job has QC created (BFB, CCV, LCS, MB)? [Sample List Tab]	✓		
29. Analytes over calibration range set to secondary [Conditions Review Tab]	✓		
30. Samples not reported set to 'Acceptable' or 'Rejected'? [Sample Results Tab]	✓		
31. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for n-butanol) *(If DUP not reported - set to 'Acceptable' for each job)*	✓		
32. Samples linked to proper blank (200 mL or 500 mL)? [QC links]	✓	**500 mL blank ID:** #4 **200 mL blank ID:** #5	
33. Samples linked to job's BFB/CCV/LCS/MB? [QC Links]	✓		
34. Correct ICV linked to each MB? [QC Links]	✓		
35. Were all samples/QC analyzed within 24 hr of BFB? [F7]	✓		
36. If criteria were not met, was a NCM generated, and assigned to proper QC & samples? [Also see Conditions Review Tab]	✓		
37. Run Checklist and acknowledge findings [F8]	✓		
38. Runs set to 1st level review?	✓	Runs set to 2nd level review?	
39. QC checker run and items addressed?	-na-		
40. Checklist & Entech report scanned, attached & assigned properly?	-na-		

Number of target analytes in LCS / # marginal exceedances of LCS control limits allowed

Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed
>90	5
71 - 90	4
51 - 70	3
31 - 50	2
11 - 30	1
< 11	0

Analyst: BRS	Date: 3/31/20	2nd Level Reviewer :	Date:
Comments:		Comments:	

3/31/20

Example Calculation: 18697 Toluene

On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF

$2.0462 \times \frac{500}{500 \times 5.2} \times 5.620 = 102$

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 3/30/20		Routine	DOD	OHIO VAP
CCAL Chrom WL #	15074	CCAL Batch #	38705		
ICAL Chrom WL #	14958	ICAL Batch # / Event #	38415 /2359	/	/

Chrom Review	1st	If No, why is data reportable?	2nd
1. Are the reagents & init/final volumes correct? (Verify reagents & amt. injected) [WL Sample Reagent Tab]			na
2. Did BFB meet tune criteria? [F8]		□ [Failed TO-14A, but passes TO-15]	Y
3. Was the CCAL compared to the most recent & correct ICAL (correct last ICal File batch #/start/end Cal date/time)? [F8]		List Target analytes outside CCV limits: _____ _____ _____	Y
4. Elution order checked on isomeric pairs? [Chrom]			
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane			Y
• 2-methyl butane / acrolein			Y
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane			Y
• vinyl acetate / hexane			Y
• cis- and trans- isomers			Y
• ethyl benzene / m/p-xylene / o-xylene			Y
• n-propylbenzene/4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene/sec-butylbenzene/1,2,3-trimethylbenzene			Y
• tert-butylbenzene/4-isopropyltoluene			Y
• 1,3- , 1,4- , and 1,2-dichlorobenzene			Y
• 1,2-dimethyl-4-ethylbenzene/1,2,4,5-, 1,2,3,5-, and 1,2,3,4-tetramethylbenzenes			NA
• 1,2,4-trichlorobenzene/1,2,3-trichlorobenzene			Y
• 2-, and 1-methylnaphthalene			Y
5. "Range" analytes & internal standard RIC ID'd correctly, inspected for interferences & proper integration?			Y
6. Has the RT been updated to the method?			Y
Analyst/date		**2nd Level Reviewer/date LL 4/1/20**	

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?			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#_____)	
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]			**NA**
28. Each job has QC created (BFB, CCV, LCS, MB)? [Sample List Tab]			**Y**
29. Analytes over calibration range set to secondary [Conditions Review Tab]			**Y**
30. Samples not reported set to 'Acceptable' or 'Rejected'? [Sample Results Tab]			**Y**
31. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for n-butanol) *(If DUP not reported - set to 'Acceptable' for each job)*			**Y**
32. Samples linked to proper blank (200 mL or 500 mL)? [QC links]		**500 mL blank ID: ____4_____** **200 mL blank ID: 5**	**Y**
33. Samples linked to job's BFB/CCV/LCS/MB? [QC Links]			**Y**
34. Correct ICV linked to each MB? [QC Links]			**Y**
35. Were all samples/QC analyzed within 24 hr of BFB? [F7]			**Y**
36. If criteria were not met, was a NCM generated, and assigned to proper QC & samples? [Also see Conditions Review Tab]			**Y**
37. Run Checklist and acknowledge findings [F8]			**Y**
38. Runs set to 1st level review?		Runs set to 2nd level review?	**Y**
39. QC checker run and items addressed?	**-na-**		**Y**
40. Checklist & Entech report scanned, attached & assigned properly?	**-na-**		**Y**

Number of target analytes in LCS / # marginal exceedances of LCS control limits allowed

Number of target analytes in LCS	# marginal exceedances of LCS control limits allowed
>90	5
71 - 90	4
51 - 70	3
31 - 50	2
11 - 30	1
< 11	0

Analyst:	**Date:**	**2nd Level Reviewer : LL**	**Date: 4/1/20**
Comments:		**Comments:**	
Example Calculation:			
On-column ppbv x Final Vol (mL)/Entech Initial Vol (mL) x Canister Dilution Log DF			

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Knoxvill Job No.: 140-18683-1

SDG No.:

Batch Number: 38633 Batch Start Date: 03/27/20 08:24 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 00108	40MXISSURP 00004
BFB 140-38633/1		TO 15 LL		500 mL	500 mL	1	1		
CCVIS 140-38633/2		TO 15 LL		500 mL	500 mL	1	1	100 mL	40 mL
MB 140-38633/4		TO 15 LL		500 mL	500 mL	1	1		40 mL
140-18683-A-1	SVE INF	TO 15 LL	T	11 mL	500 mL	1	1		40 mL
140-18683-A-2	SVE EFF	TO 15 LL	T	13 mL	500 mL	1	1		40 mL
140-18683-A-3	OFFSITE DDC EFF	TO 15 LL	T	100 mL	500 mL	1	1		40 mL
140-18683-A-4	OFFSITE DDC MID 2	TO 15 LL	T	13 mL	500 mL	1	1		40 mL
140-18683-A-5	OFFSITE DDC INF	TO 15 LL	T	20 mL	500 mL	1	1		40 mL
140-18683-A-6	OFFSITE DDC MID 1	TO 15 LL	T	11 mL	500 mL	1	1		40 mL
LCS 140-38633/1002		TO 15 LL		500 mL	500 mL	1	1	100 mL	40 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	40MXSUR 00003					
BFB 140-38633/1		TO 15 LL		40 mL					
CCVIS 140-38633/2		TO 15 LL							
MB 140-38633/4		TO 15 LL							
140-18683-A-1	SVE INF	TO 15 LL	T						
140-18683-A-2	SVE EFF	TO 15 LL	T						
140-18683-A-3	OFFSITE DDC EFF	TO 15 LL	T						
140-18683-A-4	OFFSITE DDC MID 2	TO 15 LL	T						
140-18683-A-5	OFFSITE DDC INF	TO 15 LL	T						
140-18683-A-6	OFFSITE DDC MID 1	TO 15 LL	T						
LCS 140-38633/1002		TO 15 LL							

Batch Notes	

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.: 140-18683-1

SDG No.:

Batch Number: 38633 Batch Start Date: 03/27/20 08:24 Batch Analyst: Khachitpongpanit, Suphawa

Batch Method: TO 15 LL Batch End Date:

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.: 140-18683-1

SDG No.:

Batch Number: 38705 Batch Start Date: 03/30/20 07:58 Batch Analyst: Smelcer, Brittany R

Batch Method: TO 15 LL Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	InitialPressure	FinalPressure	40CV101P 00107	40MXISSURP 00004
BFB 140-38705/1		TO 15 LL		500 mL	500 mL	1	1		
CCVIS 140-38705/2		TO 15 LL		500 mL	500 mL	1	1	50 mL	40 mL
MB 140-38705/4		TO 15 LL		500 mL	500 mL	1	1		40 mL
140-18683-A-1	SVE INF	TO 15 LL	T	10 mL	500 mL	1	1		40 mL
140-18683-A-3	OFFSITE DDC EFF	TO 15 LL	T	10 mL	500 mL	1	1		40 mL
140-18683-A-5	OFFSITE DDC INF	TO 15 LL	T	10 mL	500 mL	1	1		40 mL
LCS 140-38705/1002		TO 15 LL		500 mL	500 mL	1	1	50 mL	40 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	40MXSUR 00003
BFB 140-38705/1		TO 15 LL		40 mL
CCVIS 140-38705/2		TO 15 LL		
MB 140-38705/4		TO 15 LL		
140-18683-A-1	SVE INF	TO 15 LL	T	
140-18683-A-3	OFFSITE DDC EFF	TO 15 LL	T	
140-18683-A-5	OFFSITE DDC INF	TO 15 LL	T	
LCS 140-38705/1002		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.: 140-18683-1

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
140-18683-1	6	-1.8	0.94	5.64	28.8	2.96	17.76		3.15	3.15	G5	03/27/20 8:12	BRS
140-18683-1	6	0.0	1.00	6.00	30.3	3.06	18.37		3.06	9.64	G5	03/27/20 8:55	BRS
140-18683-1	6	0.0	1.00	6.00	25.5	2.73	16.41		2.73	26.36	G5	03/27/20 9:14	BRS
140-18683-1	6	0.0	1.00	6.00	30.8	3.10	18.57		3.10	81.58	g5	03/27/20 12:39	HMT
140-18683-2	6	-5.3	0.82	4.94	27.9	2.90	17.39		3.52	3.52	G5	03/27/20 8:14	BRS
140-18683-2	6	0.0	1.00	6.00	30.9	3.10	18.61		3.10	10.92	G5	03/27/20 8:57	BRS
140-18683-2	6	0.0	1.00	6.00	29.3	2.99	17.96		2.99	32.70	G5	03/27/20 9:15	BRS
140-18683-2	6	0.0	1.00	6.00	30.2	3.05	18.33		3.05	99.88	G5	03/27/20 12:40	HMT
140-18683-3	6	-27.9	0.07	0.41	0.6	1.04	6.24		15.42	15.42	g5	03/26/20 12:51	BRS
140-18683-3	6	0.0	1.00	6.00	38.0	3.59	21.51		3.59	55.27	G5	03/30/20 9:58	BRS
140-18683-4	6	-9.6	0.68	4.07	0.7	1.05	6.29		1.54	1.54	G5	03/26/20 12:52	BRS
140-18683-4	6	0.0	1.00	6.00	28.2	2.92	17.51		2.92	4.50	G5	03/27/20 8:15	BRS
140-18683-4	6	0.0	1.00	6.00	28.7	2.95	17.71		2.95	13.29	G5	03/27/20 12:40	HMT
140-18683-5	6	-7.4	0.75	4.52	0.6	1.04	6.24		1.38	1.38	G5	03/26/20 12:52	BRS
140-18683-5	6	0.0	1.00	6.00	29.4	3.00	18.00		3.00	4.15	G5	03/27/20 8:16	BRS
140-18683-5	6	0.0	1.00	6.00	30.7	3.09	18.53		3.09	12.81	G5	03/27/20 8:58	BRS
140-18683-5	6	0.0	1.00	6.00	27.3	2.86	17.14		2.86	36.60	G5	03/27/20 12:41	HMT
140-18683-6	6	-13.4	0.55	3.31	0.0	1.00	6.00		1.81	1.81	G5	03/26/20 12:53	BRS
140-18683-6	6	0.0	1.00	6.00	30.5	3.07	18.45		3.07	5.57	G5	03/27/20 12:41	HMT
140-18683-6	6	0.0	1.00	6.00	25.5	2.73	16.41		2.73	15.23	G5	03/31/20 13:12	BKK

Summa Canister Dilution Worksheet

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

Job No.: 140-18683-1

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.: 140-18550-1

SDG No.:

Client Sample ID: 09968 Lab Sample ID: 140-18550-4

Matrix: Air Lab File ID: C13L18550.D

Analysis Method: TO 15 LL Date Collected: 03/12/2020 16:55

Sample wt/vol: 500(mL) Date Analyzed: 03/14/2020 07:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38213 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.: 140-18550-1

SDG No.:

Client Sample ID: 09968 Lab Sample ID: 140-18550-4

Matrix: Air Lab File ID: C13L18550.D

Analysis Method: TO 15 LL Date Collected: 03/12/2020 16:55

Sample wt/vol: 500(mL) Date Analyzed: 03/14/2020 07:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38213 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.: 140-18550-1

SDG No.:

Client Sample ID: 09968 Lab Sample ID: 140-18550-4

Matrix: Air Lab File ID: C13L18550.D

Analysis Method: TO 15 LL Date Collected: 03/12/2020 16:55

Sample wt/vol: 500(mL) Date Analyzed: 03/14/2020 07:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38213 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.: 140-18550-1

SDG No.:

Client Sample ID: 09968 Lab Sample ID: 140-18550-4

Matrix: Air Lab File ID: C13L18550.D

Analysis Method: TO 15 LL Date Collected: 03/12/2020 16:55

Sample wt/vol: 500(mL) Date Analyzed: 03/14/2020 07:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38213 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:	\\chromna\Knoxville\ChromData\MR\20200311-14889.b\C13L18550.D				
Lims ID:	140-18550-A-4				
Client ID:	09968				
Sample Type:	Client				
Inject. Date:	14-Mar-2020 07:35:30	ALS Bottle#:	17	Worklist Smp#:	26
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Sample Info:	140-0014889-026				
Misc. Info.:	09968				
Operator ID:	HMT	Instrument ID:	MR		
Method:	\\chromna\Knoxville\ChromData\MR\20200311-14889.b\MR_TO15.m				
Limit Group:	MSA TO14A_15 Routine ICAL				
Last Update:	16-Mar-2020 15:30:44	Calib Date:	24-Feb-2020 13:14:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromna\Knoxville\ChromData\MR\20200223-14708.b\RB23IC10.D				
Column 1 :	RTX-5 (0.32 mm)		Det: MS SCAN		
Process Host:	CTX0312				
First Level Reviewer: khachitpongpanits		Date:	16-Mar-2020 15:35:00		

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.425	8.425	0.000	77	94641	4.00	
* 2 1,4-Difluorobenzene	114	10.658	10.647	0.011	92	650949	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.452	15.452	0.000	84	498244	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.113	17.107	0.005	92	194243	2.78	
7 Propene	41	3.443	3.427	0.016	97	15731	-0.0638	7
47 1,1,1-Trichloroethane	97	9.461	9.460	0.000	32	3940	0.0519	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

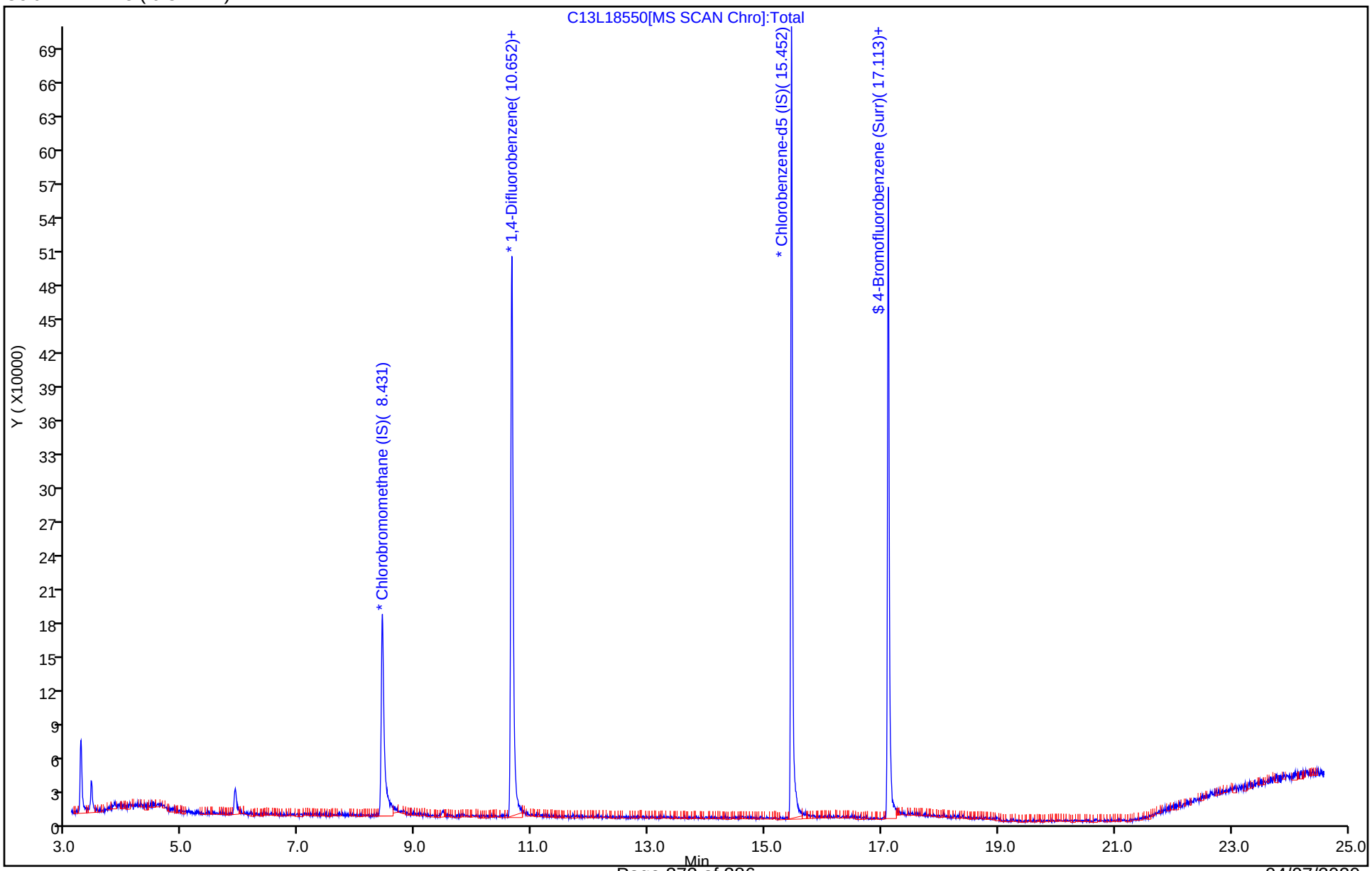
Report Date: 16-Mar-2020 15:35:01 Chrom Revision: 2.3 19-Feb-2020 16:45:46

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MR\20200311-14889.b\C13L18550.D

Injection Date:	14-Mar-2020 07:35:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-18550-A-4	Lab Sample ID:	140-18550-4	Worklist Smp#:	26
Client ID:	09968				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



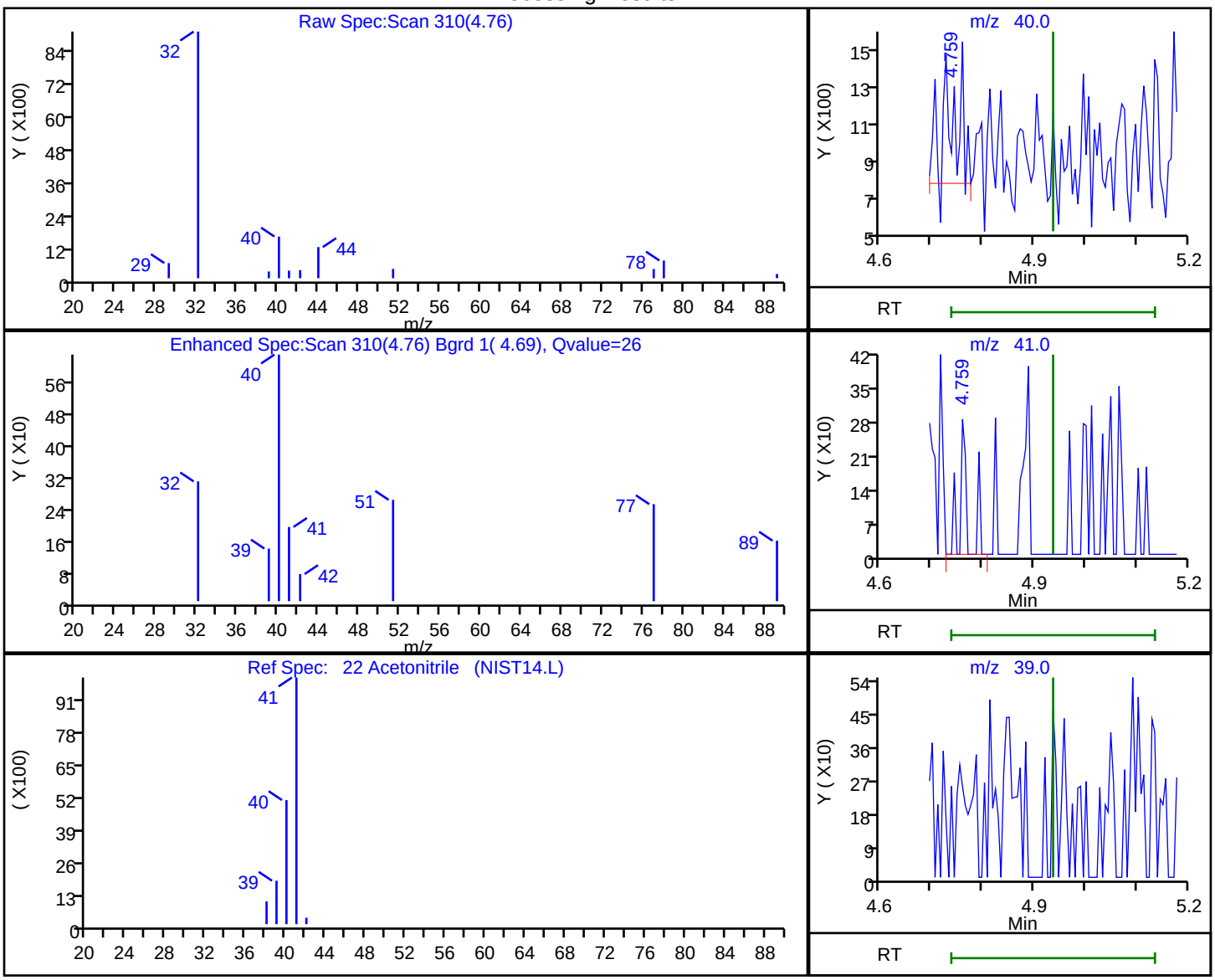
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MR\20200311-14889.b\C13L18550.D				
Injection Date:	14-Mar-2020 07:35:30	Instrument ID:	MR		
Lims ID:	140-18550-A-4	Lab Sample ID:	140-18550-4		
Client ID:	09968				
Operator ID:	HMT	ALS Bottle#:	17	Worklist Smp#:	26
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

22 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
4.76	40.00	1268	0.138574
4.76	41.00	279	
4.94	39.00	0	

Reviewer: tajh, 14-Mar-2020 08:46:27

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.: 140-18565-1

SDG No.:

Client Sample ID: 09785 Lab Sample ID: 140-18565-1

Matrix: Air Lab File ID: C16L18565.D

Analysis Method: TO 15 LL Date Collected: 03/13/2020 16:30

Sample wt/vol: 500(mL) Date Analyzed: 03/18/2020 06:23

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38346 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	1.7		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.: 140-18565-1

SDG No.:

Client Sample ID: 09785 Lab Sample ID: 140-18565-1

Matrix: Air Lab File ID: C16L18565.D

Analysis Method: TO 15 LL Date Collected: 03/13/2020 16:30

Sample wt/vol: 500(mL) Date Analyzed: 03/18/2020 06:23

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38346 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.: 140-18565-1

SDG No.:

Client Sample ID: 09785 Lab Sample ID: 140-18565-1

Matrix: Air Lab File ID: C16L18565.D

Analysis Method: TO 15 LL Date Collected: 03/13/2020 16:30

Sample wt/vol: 500(mL) Date Analyzed: 03/18/2020 06:23

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38346 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.: 140-18565-1

SDG No.:

Client Sample ID: 09785 Lab Sample ID: 140-18565-1

Matrix: Air Lab File ID: C16L18565.D

Analysis Method: TO 15 LL Date Collected: 03/13/2020 16:30

Sample wt/vol: 500(mL) Date Analyzed: 03/18/2020 06:23

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 38346 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: \\chromna\Knoxville\ChromData\MR\20200316-14938.b\C16L18565.D
Lims ID: 140-18565-A-1
Client ID: 09785
Sample Type: Client
Inject. Date: 18-Mar-2020 06:23:30 ALS Bottle#: 17 Worklist Smp#: 28
Purge Vol: 500.000 mL Dil. Factor: 1.0000
Sample Info: 140-0014938-028
Misc. Info.: 09785
Operator ID: HMT Instrument ID: MR

Method: \\chromna\Knoxville\ChromData\MR\20200316-14938.b\MR_TO15.m
Limit Group: MSA TO14A_15 Routine ICAL
Last Update: 18-Mar-2020 08:50:44 Calib Date: 24-Feb-2020 13:14:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Knoxville\ChromData\MR\20200223-14708.b\RB23IC10.D

Column 1 : RTX-5 (0.32 mm) Det: MS SCAN
Process Host: CTX0318

First Level Reviewer: tajh Date: 18-Mar-2020 08:50:44

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
* 1 Chlorobromomethane (IS)	128	8.425	8.436	-0.011	74	197932	4.00	
* 2 1,4-Difluorobenzene	114	10.647	10.652	-0.005	92	1411527	4.00	
* 3 Chlorobenzene-d5 (IS)	117	15.452	15.452	0.000	83	1064066	4.00	
$ 4 4-Bromofluorobenzene (Surr	95	17.112	17.112	0.000	93	403714	2.70	
7 Propene	41	3.443	3.422	0.016	96	27651	-0.1787	7
33 Carbon disulfide	76	6.058	6.045	0.005	19	2749	0.0165	
47 1,1,1-Trichloroethane	97	9.477	9.454	0.011	40	6133	0.0386	
49 n-Butanol	31	10.048	10.043	0.005	96	70209	1.75	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Reagents:

40MXISSURP_00004 Amount Added: 40.00 Units: mL Run Reagent

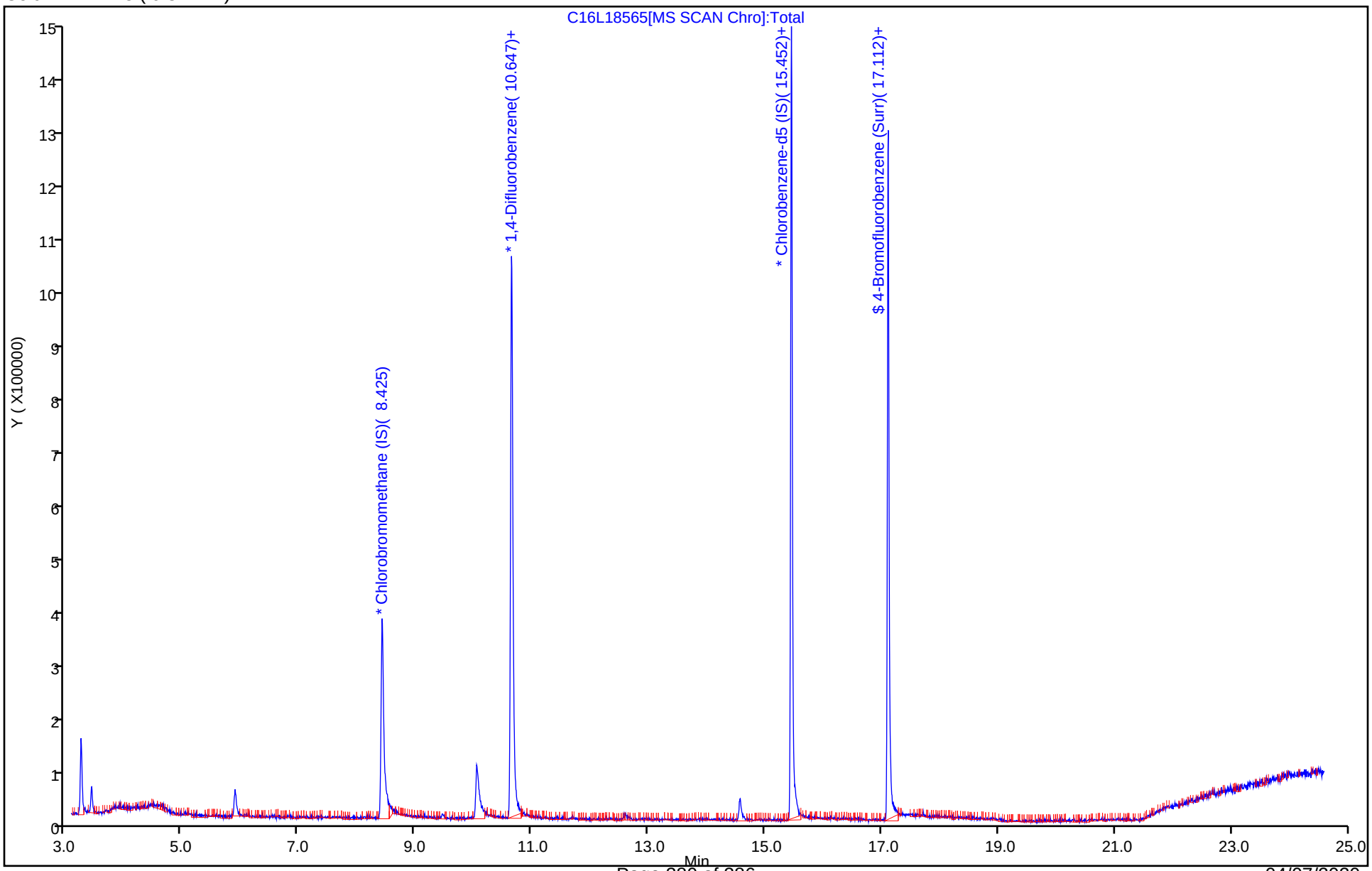
Report Date: 18-Mar-2020 08:50:45 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MR\20200316-14938.b\C16L18565.D

Injection Date:	18-Mar-2020 06:23:30	Instrument ID:	MR	Operator ID:	HMT
Lims ID:	140-18565-A-1	Lab Sample ID:	140-18565-1	Worklist Smp#:	28
Client ID:	09785				
Purge Vol:	500.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		

Column: RTX-5 (0.32 mm)



Eurofins TestAmerica, Knoxville

Data File: \\chromna\Knoxville\ChromData\MR\20200316-14938.b\C16L18565.D

Injection Date: 18-Mar-2020 06:23:30 Instrument ID: MR

Lims ID: 140-18565-A-1 Lab Sample ID: 140-18565-1

Client ID: 09785

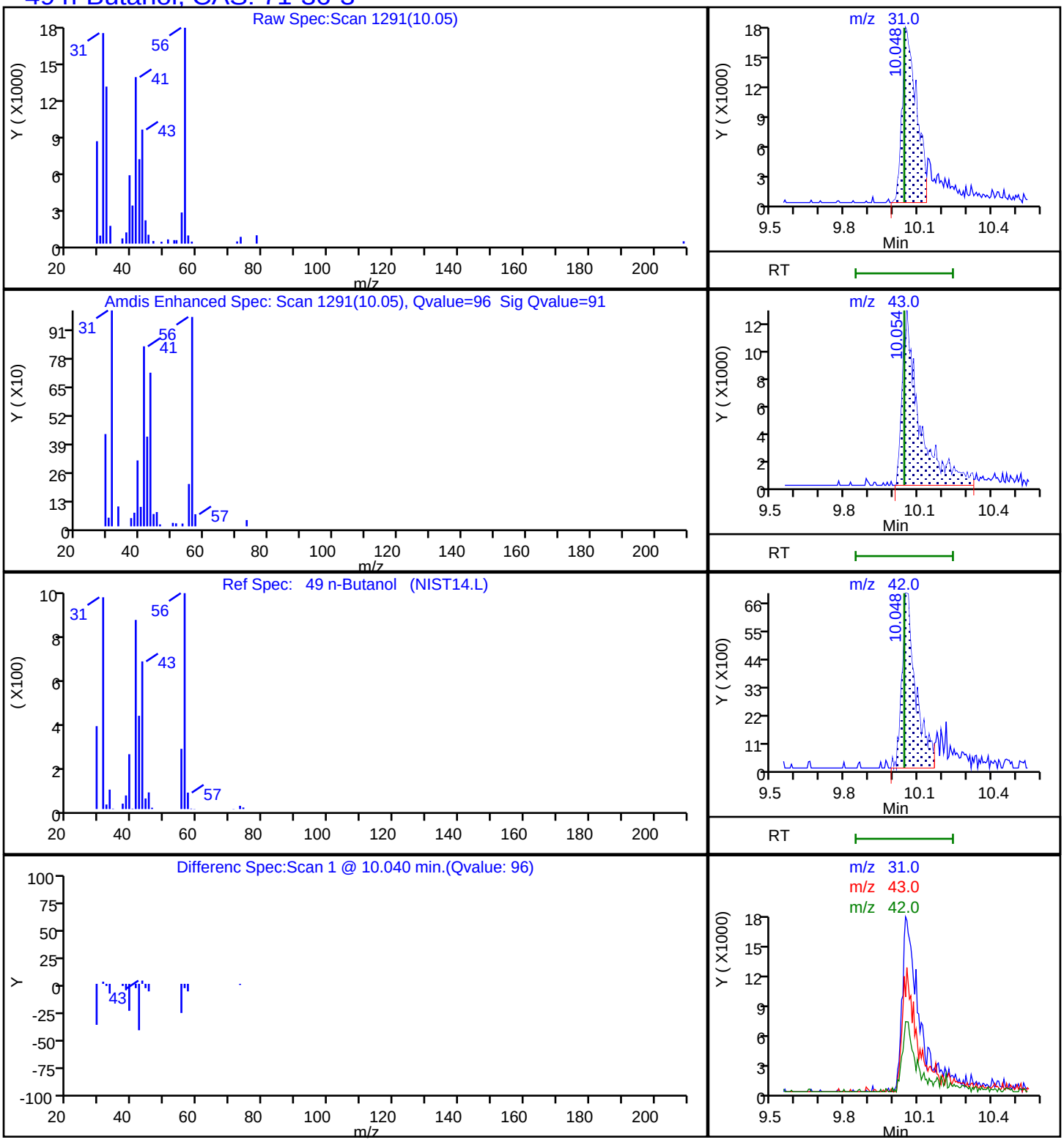
Operator ID: HMT ALS Bottle#: 17 Worklist Smp#: 28

Purge Vol: 500.000 mL Dil. Factor: 1.0000

Method: MR_TO15 Limit Group: MSA TO14A_15 Routine ICAL

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

49 n-Butanol, CAS: 71-36-3



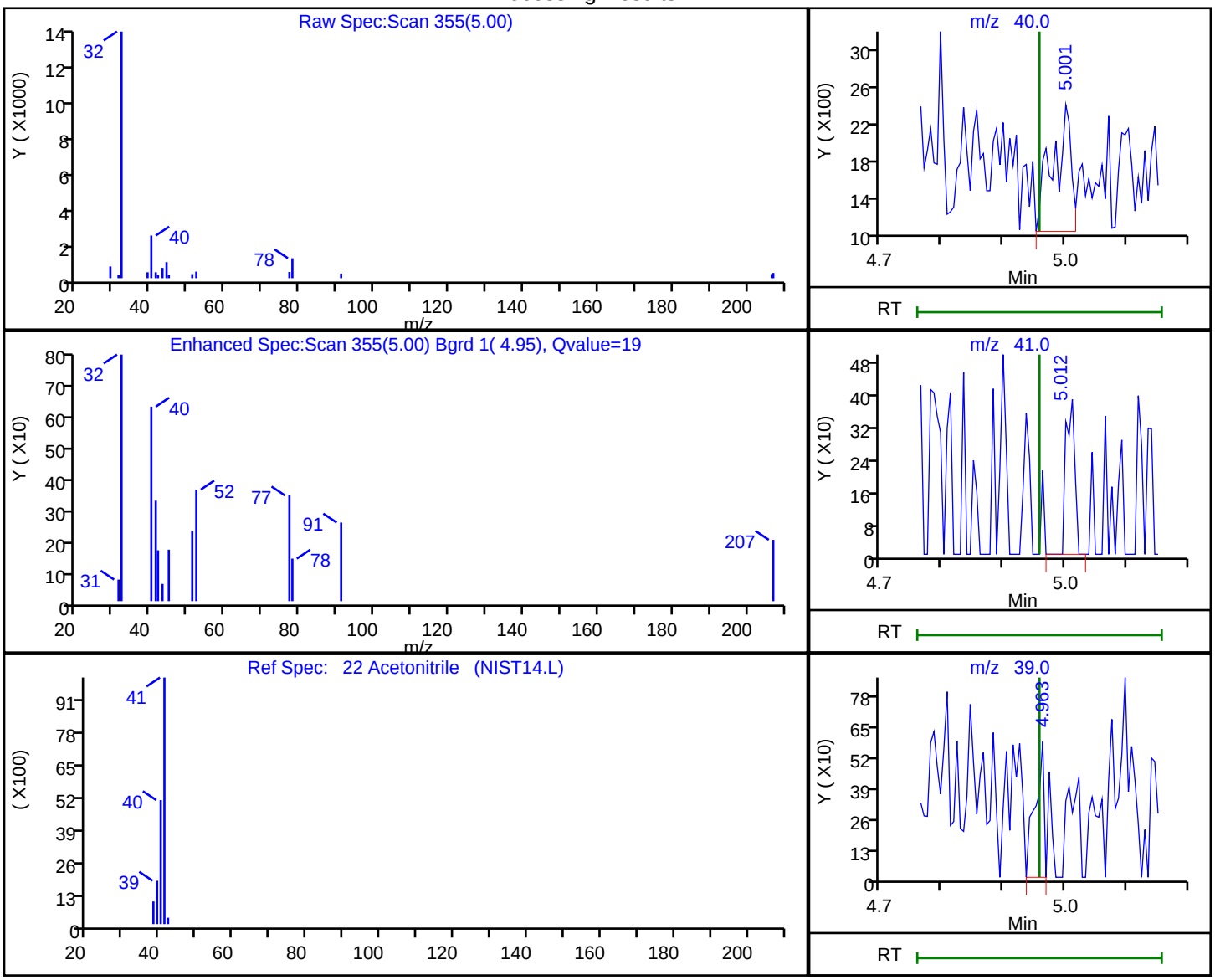
User Disabled Compound Report

Eurofins TestAmerica, Knoxville

Data File:	\\chromna\Knoxville\ChromData\MR\20200316-14938.b\C16L18565.D				
Injection Date:	18-Mar-2020 06:23:30	Instrument ID:	MR		
Lims ID:	140-18565-A-1	Lab Sample ID:	140-18565-1		
Client ID:	09785				
Operator ID:	HMT	ALS Bottle#:	17	Worklist Smp#:	28
Purge Vol:	500.000 mL	Dil. Factor:	1.0000		
Method:	MR_TO15	Limit Group:	MSA TO14A_15 Routine ICAL		
Column:	RTX-5 (0.32 mm)	Detector	MS SCAN		

22 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
5.00	40.00	2657	0.138841
5.01	41.00	380	
4.96	39.00	578	

Reviewer: tajh, 18-Mar-2020 08:50:34

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.

140-18683 Chain of Custody

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	Client Project Manager: Tom Hofmann	Samples Collected By: JB	COC No:
Company Name: EAR	Phone:		1 of 1 COCs
Address: 229 Atlantic ave	Email:		
City/State/Zip Patchogue NY 11772			For Lab Use Only:
Phone: 631 447-7600	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	3/24/20	9:17	3/24/20	15:04	-30	-3	3886	11177	X														
SVE EFF		9:18		13:08	-30	-6	7368	09537	X														
offsite DDC eff		8:48		12:44	-30	-30	8882	11978	X														
offsite DDC mid 2		8:49		12:41	-30	-9	7382	11961	X														
offsite DDC INF		8:48		12:40	-30	-9	9688	11960	X														
offsite DDC mid 1		8:47		12:36	-30	-15	10655	11471	X														

Temperature (Fahrenheit)	Interior	Ambient
Start		
Stop		

Pressure (inches of Hg)	Interior	Ambient
Start		
Stop		

Received @ ambient, 1 box, Fedex Po trk# 7701 0319 3589

No Custody seal KL 3/26/20

Special Instructions/QC Requirements & Comments: Cat. A deliverables requested

Samples Shipped by:	Date / Time: 03/25/20 17:00	Samples Received by:	6 cc
Samples Relinquished by:	Date / Time: 3/24/20 / 14:45	Received by: Receiving	
Relinquished by:	Date / Time: 3-25-20 / 1015	Received by:	6 Coolers 6 Flows
Lab Use Only: Shipper Name:	Opened by:	Condition:	

Re- JB 3/25/20 1800 / Re KL ETA 3/26/20 950

Form No. CA-C-WI-003, Rev. 2.13, dated 4/10/2019

04/07/2020

Loc: 140
18683

EUROFINS/TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST **Log In Number:**

Review Items	Yes	No	NA	If No, what was the problem?
1. Are the shipping containers intact?	/			☐ **Containers, Broken**
2. Were ambient air containers received intact?			/	☑ Checked in lab
3. The coolers/containers custody seal if present, is it intact?			/	☐ Yes ☐ NA
4. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C, VOST: 10°C) Thermometer ID :_____ Correction factor: _____			/	☐ **Cooler Out of Temp, Client Contacted, Proceed/Cancel** ☐ **Cooler Out of Temp, Same Day Receipt**
5. Were all of the sample containers received intact?	/			☐ **Containers, Broken**
6. Were samples received in appropriate containers?	/			☐ **Containers, Improper; Client Contacted; Proceed/Cancel**
7. Do sample container labels match COC? (IDs, Dates, Times)	/			☐ **COC & Samples Do Not Match** ☐ **COC Incorrect/Incomplete** ☐ **COC Not Received**
8. Were all of the samples listed on the COC received?	/			☐ **Sample Received, Not on COC** ☐ **Sample on COC, Not Received**
9. Is the date/time of sample collection noted?	/			☐ **COC; No Date/Time; Client Contacted**
10. Was the sampler identified on the COC?	/			☐ **Sampler Not Listed on COC**
11. Is the client and project name/# identified?	/			☐ **COC Incorrect/Incomplete**
12. Are tests/parameters listed for each sample?	/			☐ **COC No tests on COC**
13. Is the matrix of the samples noted?	/			☐ **COC Incorrect/Incomplete**
14. Was COC relinquished? (Signed/Dated/Timed)	/			☐ **COC Incorrect/Incomplete**
15. Were samples received within holding time?	/			☐ **Holding Time - Receipt**
16. Were samples received with correct chemical preservative (excluding Encore)?			/	☐ **pH Adjusted, pH Included (See box 16A)** ☐ **Incorrect Preservative**
17. Were VOA samples received without headspace?			/	☐ **Headspace (VOA only)**
18. Did you check for residual chlorine, if necessary? (e.g. 1613B, 1668) Chlorine test strip lot number:_____			/	☐ **Residual Chlorine**
19. For 1613B water samples is pH<9?			/	☐ If no, notify lab to adjust
20. For rad samples was sample activity info. Provided?			/	☐ Project missing info

Comments/Actions Taken

Labeling Verified by: **Date:**

pH test strip lot number:

	Box 16A: pH Preservation	Box 18A: Residual Chlorine
Preservative:		
Lot Number:		
Exp Date:		
Analyst:		
Date:		
Time:		

Project #: 14005804 PM Instructions: _____

Sample Receiving Associate: Ken Wilson Date: 3/26/20

QA026R32.doc, 062719

TestAmerica Knoxville - Air Canister Initial Pressure Check

Gauge ID: G5
Date: 3/26/2020

Analyst	Sample ID	Asset #	Cleaning Job	Cert	Size (L)	Pressure @ Receipt (-in Hg or +psig)	Time	Comments
BRS	140-18683-a-1	11177	18565	B	6	-1.8	12:36	
BRS	140-18683-a-2	09537	18565	B	6	-5.3	12:37	
BRS	140-18683-a-3	11978	18565	B	6	-27.9	12:38	0.6
BRS	140-18683-a-4	11961	18550	B	6	-9.6	12:39	0.7
BRS	140-18683-a-5	11960	18565	B	6	-7.4	12:40	0.6
BRS	140-18683-a-6	11471	18550	B	6	-13.4	12:41	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 TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-205623-1
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:
3/30/2020 11:07:17 AM

Julie Gilmore, Project Manager I
(484)685-0865
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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
3/30/2020 11:07:17 AM

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Definitions/Glossary

Client: New York State D.E.C.
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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

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)
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: 460-205623-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC - EASTFARMINGDALE1 SITE:152140

Report Number: 460-205623-1

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 03/21/2020; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.8 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 152140-MW-2S (460-205623-1), 152140-MW-2D (460-205623-2), 152140-DDC-2PD (460-205623-3), 152140-DDC-2PS (460-205623-4), 152140-DDC-09PD (460-205623-5), 152140-DDC-09PS (460-205623-6), 152140-DDC-10PS (460-205623-7), 152140-DDC-10PD (460-205623-8) and TRIP BLANK01_20200319 (460-205623-9) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 03/27/2020.

The continuing calibration verification (CCV) analyzed in batch 460-684038 was outside the method criteria for the following analyte(s): Dichlorodifluoromethane (biased low) and Methyl acetate (biased high). 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.

Methyl acetate failed the recovery criteria high for the MS of sample 152140-MW-2SMS (460-205623-1) in batch 460-684038.

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.

Detection Summary

Client: New York State D.E.C.
Job ID: 460-205623-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-MW-2S — Lab Sample ID: 460-205623-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.3		1.0		ug/L	1		8260C	Total/NA
Tetrachloroethene	2.5		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: 152140-MW-2D — Lab Sample ID: 460-205623-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	43		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: 152140-DDC-2PD — Lab Sample ID: 460-205623-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	35		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: 152140-DDC-2PS — Lab Sample ID: 460-205623-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.0		1.0		ug/L	1		8260C	Total/NA
Tetrachloroethene	1.6		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: 152140-DDC-09PD — Lab Sample ID: 460-205623-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.0		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: 152140-DDC-09PS — Lab Sample ID: 460-205623-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.7		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: 152140-DDC-10PS — Lab Sample ID: 460-205623-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2.3		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: 152140-DDC-10PD — Lab Sample ID: 460-205623-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.0		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK01_20200319 — Lab Sample ID: 460-205623-9

No Detections.

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 460-205623-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-MW-2S
Lab Sample ID: 460-205623-1
Date Collected: 03/19/20 11:22
Matrix: Water
Date Received: 03/21/20 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			03/27/20 11:30	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			03/27/20 11:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			03/27/20 11:30	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/27/20 11:30	1
1,1-Dichloroethane	ND		1.0		ug/L			03/27/20 11:30	1
1,1-Dichloroethene	ND		1.0		ug/L			03/27/20 11:30	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/27/20 11:30	1
1,2-Dichloropropane	ND		1.0		ug/L			03/27/20 11:30	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/27/20 11:30	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/27/20 11:30	1
2-Butanone (MEK)	ND		5.0		ug/L			03/27/20 11:30	1
2-Hexanone	ND		5.0		ug/L			03/27/20 11:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			03/27/20 11:30	1
Acetone	ND		5.0		ug/L			03/27/20 11:30	1
Benzene	ND		1.0		ug/L			03/27/20 11:30	1
Bromoform	ND		1.0		ug/L			03/27/20 11:30	1
Bromomethane	ND		1.0		ug/L			03/27/20 11:30	1
Carbon disulfide	ND		1.0		ug/L			03/27/20 11:30	1
Carbon tetrachloride	ND		1.0		ug/L			03/27/20 11:30	1
Chlorobenzene	ND		1.0		ug/L			03/27/20 11:30	1
Chlorodibromomethane	ND		1.0		ug/L			03/27/20 11:30	1
Chloroethane	ND		1.0		ug/L			03/27/20 11:30	1
Chloroform	ND		1.0		ug/L			03/27/20 11:30	1
Chloromethane	ND		1.0		ug/L			03/27/20 11:30	1
cis-1,2-Dichloroethene	**1.3**		1.0		ug/L			03/27/20 11:30	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 11:30	1
Cyclohexane	ND		1.0		ug/L			03/27/20 11:30	1
Dichlorobromomethane	ND		1.0		ug/L			03/27/20 11:30	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/27/20 11:30	1
Ethylbenzene	ND		1.0		ug/L			03/27/20 11:30	1
Ethylene Dibromide	ND		1.0		ug/L			03/27/20 11:30	1
Isopropylbenzene	ND		1.0		ug/L			03/27/20 11:30	1
Methyl acetate	ND	F1	5.0		ug/L			03/27/20 11:30	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/27/20 11:30	1
Methylcyclohexane	ND		1.0		ug/L			03/27/20 11:30	1
Methylene Chloride	ND		1.0		ug/L			03/27/20 11:30	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/27/20 11:30	1
o-Xylene	ND		1.0		ug/L			03/27/20 11:30	1
Xylenes, Total	ND		2.0		ug/L			03/27/20 11:30	1
Styrene	ND		1.0		ug/L			03/27/20 11:30	1
Tetrachloroethene	**2.5**		1.0		ug/L			03/27/20 11:30	1
Toluene	ND		1.0		ug/L			03/27/20 11:30	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/27/20 11:30	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 11:30	1
Trichloroethene	ND		1.0		ug/L			03/27/20 11:30	1
Trichlorofluoromethane	ND		1.0		ug/L			03/27/20 11:30	1
Vinyl chloride	ND		1.0		ug/L			03/27/20 11:30	1
1,2-Dichloroethane	ND		1.0		ug/L			03/27/20 11:30	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/27/20 11:30	1

Client: New York State D.E.C.
Job ID: 460-205623-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-MW-2S
Lab Sample ID: 460-205623-1
Date Collected: 03/19/20 11:22
Matrix: Water
Date Received: 03/21/20 16:36

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	ND		1.0		ug/L			03/27/20 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*		*03/27/20 11:30*	*1*
4-Bromofluorobenzene	*98*		*76 - 120*		*03/27/20 11:30*	*1*
Dibromofluoromethane (Surr)	*97*		*77 - 124*		*03/27/20 11:30*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/27/20 11:30*	*1*

Client Sample ID: 152140-MW-2D
Lab Sample ID: 460-205623-2
Date Collected: 03/19/20 11:59
Matrix: Water
Date Received: 03/21/20 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			03/27/20 15:11	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			03/27/20 15:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			03/27/20 15:11	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/27/20 15:11	1
1,1-Dichloroethane	ND		1.0		ug/L			03/27/20 15:11	1
1,1-Dichloroethene	ND		1.0		ug/L			03/27/20 15:11	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/27/20 15:11	1
1,2-Dichloropropane	ND		1.0		ug/L			03/27/20 15:11	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/27/20 15:11	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/27/20 15:11	1
2-Butanone (MEK)	ND		5.0		ug/L			03/27/20 15:11	1
2-Hexanone	ND		5.0		ug/L			03/27/20 15:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			03/27/20 15:11	1
Acetone	ND		5.0		ug/L			03/27/20 15:11	1
Benzene	ND		1.0		ug/L			03/27/20 15:11	1
Bromoform	ND		1.0		ug/L			03/27/20 15:11	1
Bromomethane	ND		1.0		ug/L			03/27/20 15:11	1
Carbon disulfide	ND		1.0		ug/L			03/27/20 15:11	1
Carbon tetrachloride	ND		1.0		ug/L			03/27/20 15:11	1
Chlorobenzene	ND		1.0		ug/L			03/27/20 15:11	1
Chlorodibromomethane	ND		1.0		ug/L			03/27/20 15:11	1
Chloroethane	ND		1.0		ug/L			03/27/20 15:11	1
Chloroform	ND		1.0		ug/L			03/27/20 15:11	1
Chloromethane	ND		1.0		ug/L			03/27/20 15:11	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/27/20 15:11	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 15:11	1
Cyclohexane	ND		1.0		ug/L			03/27/20 15:11	1
Dichlorobromomethane	ND		1.0		ug/L			03/27/20 15:11	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/27/20 15:11	1
Ethylbenzene	ND		1.0		ug/L			03/27/20 15:11	1
Ethylene Dibromide	ND		1.0		ug/L			03/27/20 15:11	1
Isopropylbenzene	ND		1.0		ug/L			03/27/20 15:11	1
Methyl acetate	ND		5.0		ug/L			03/27/20 15:11	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/27/20 15:11	1
Methylcyclohexane	ND		1.0		ug/L			03/27/20 15:11	1
Methylene Chloride	ND		1.0		ug/L			03/27/20 15:11	1

Client Sample ID: 152140-MW-2D
Lab Sample ID: 460-205623-2

Date Collected: 03/19/20 11:59
Matrix: Water
Date Received: 03/21/20 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		1.0		ug/L			03/27/20 15:11	1
o-Xylene	ND		1.0		ug/L			03/27/20 15:11	1
Xylenes, Total	ND		2.0		ug/L			03/27/20 15:11	1
Styrene	ND		1.0		ug/L			03/27/20 15:11	1
Tetrachloroethene	**43**		1.0		ug/L			03/27/20 15:11	1
Toluene	ND		1.0		ug/L			03/27/20 15:11	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/27/20 15:11	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 15:11	1
Trichloroethene	ND		1.0		ug/L			03/27/20 15:11	1
Trichlorofluoromethane	ND		1.0		ug/L			03/27/20 15:11	1
Vinyl chloride	ND		1.0		ug/L			03/27/20 15:11	1
1,2-Dichloroethane	ND		1.0		ug/L			03/27/20 15:11	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/27/20 15:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			03/27/20 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*03/27/20 15:11*	*1*
4-Bromofluorobenzene	*111*		*76 - 120*		*03/27/20 15:11*	*1*
Dibromofluoromethane (Surr)	*109*		*77 - 124*		*03/27/20 15:11*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/27/20 15:11*	*1*

Client Sample ID: 152140-DDC-2PD
Lab Sample ID: 460-205623-3

Date Collected: 03/19/20 12:47
Matrix: Water
Date Received: 03/21/20 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			03/27/20 15:36	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			03/27/20 15:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			03/27/20 15:36	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/27/20 15:36	1
1,1-Dichloroethane	ND		1.0		ug/L			03/27/20 15:36	1
1,1-Dichloroethene	ND		1.0		ug/L			03/27/20 15:36	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/27/20 15:36	1
1,2-Dichloropropane	ND		1.0		ug/L			03/27/20 15:36	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/27/20 15:36	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/27/20 15:36	1
2-Butanone (MEK)	ND		5.0		ug/L			03/27/20 15:36	1
2-Hexanone	ND		5.0		ug/L			03/27/20 15:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			03/27/20 15:36	1
Acetone	ND		5.0		ug/L			03/27/20 15:36	1
Benzene	ND		1.0		ug/L			03/27/20 15:36	1
Bromoform	ND		1.0		ug/L			03/27/20 15:36	1
Bromomethane	ND		1.0		ug/L			03/27/20 15:36	1
Carbon disulfide	ND		1.0		ug/L			03/27/20 15:36	1
Carbon tetrachloride	ND		1.0		ug/L			03/27/20 15:36	1
Chlorobenzene	ND		1.0		ug/L			03/27/20 15:36	1
Chlorodibromomethane	ND		1.0		ug/L			03/27/20 15:36	1
Chloroethane	ND		1.0		ug/L			03/27/20 15:36	1
Chloroform	ND		1.0		ug/L			03/27/20 15:36	1

Client Sample ID: 152140-DDC-2PD
Lab Sample ID: 460-205623-3

Date Collected: 03/19/20 12:47
Matrix: Water
Date Received: 03/21/20 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0		ug/L			03/27/20 15:36	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/27/20 15:36	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 15:36	1
Cyclohexane	ND		1.0		ug/L			03/27/20 15:36	1
Dichlorobromomethane	ND		1.0		ug/L			03/27/20 15:36	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/27/20 15:36	1
Ethylbenzene	ND		1.0		ug/L			03/27/20 15:36	1
Ethylene Dibromide	ND		1.0		ug/L			03/27/20 15:36	1
Isopropylbenzene	ND		1.0		ug/L			03/27/20 15:36	1
Methyl acetate	ND		5.0		ug/L			03/27/20 15:36	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/27/20 15:36	1
Methylcyclohexane	ND		1.0		ug/L			03/27/20 15:36	1
Methylene Chloride	ND		1.0		ug/L			03/27/20 15:36	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/27/20 15:36	1
o-Xylene	ND		1.0		ug/L			03/27/20 15:36	1
Xylenes, Total	ND		2.0		ug/L			03/27/20 15:36	1
Styrene	ND		1.0		ug/L			03/27/20 15:36	1
Tetrachloroethene	**35**		1.0		ug/L			03/27/20 15:36	1
Toluene	ND		1.0		ug/L			03/27/20 15:36	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/27/20 15:36	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 15:36	1
Trichloroethene	ND		1.0		ug/L			03/27/20 15:36	1
Trichlorofluoromethane	ND		1.0		ug/L			03/27/20 15:36	1
Vinyl chloride	ND		1.0		ug/L			03/27/20 15:36	1
1,2-Dichloroethane	ND		1.0		ug/L			03/27/20 15:36	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/27/20 15:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			03/27/20 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*		*03/27/20 15:36*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*03/27/20 15:36*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*03/27/20 15:36*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/27/20 15:36*	*1*

Client Sample ID: 152140-DDC-2PS
Lab Sample ID: 460-205623-4

Date Collected: 03/19/20 13:13
Matrix: Water
Date Received: 03/21/20 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			03/27/20 16:01	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			03/27/20 16:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			03/27/20 16:01	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/27/20 16:01	1
1,1-Dichloroethane	ND		1.0		ug/L			03/27/20 16:01	1
1,1-Dichloroethene	ND		1.0		ug/L			03/27/20 16:01	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/27/20 16:01	1
1,2-Dichloropropane	ND		1.0		ug/L			03/27/20 16:01	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/27/20 16:01	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/27/20 16:01	1

Client: New York State D.E.C.
Job ID: 460-205623-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-DDC-2PS
Lab Sample ID: 460-205623-4
Date Collected: 03/19/20 13:13
Matrix: Water
Date Received: 03/21/20 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		5.0		ug/L			03/27/20 16:01	1
2-Hexanone	ND		5.0		ug/L			03/27/20 16:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			03/27/20 16:01	1
Acetone	ND		5.0		ug/L			03/27/20 16:01	1
Benzene	ND		1.0		ug/L			03/27/20 16:01	1
Bromoform	ND		1.0		ug/L			03/27/20 16:01	1
Bromomethane	ND		1.0		ug/L			03/27/20 16:01	1
Carbon disulfide	ND		1.0		ug/L			03/27/20 16:01	1
Carbon tetrachloride	ND		1.0		ug/L			03/27/20 16:01	1
Chlorobenzene	ND		1.0		ug/L			03/27/20 16:01	1
Chlorodibromomethane	ND		1.0		ug/L			03/27/20 16:01	1
Chloroethane	ND		1.0		ug/L			03/27/20 16:01	1
Chloroform	ND		1.0		ug/L			03/27/20 16:01	1
Chloromethane	ND		1.0		ug/L			03/27/20 16:01	1
cis-1,2-Dichloroethene	**3.0**		1.0		ug/L			03/27/20 16:01	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 16:01	1
Cyclohexane	ND		1.0		ug/L			03/27/20 16:01	1
Dichlorobromomethane	ND		1.0		ug/L			03/27/20 16:01	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/27/20 16:01	1
Ethylbenzene	ND		1.0		ug/L			03/27/20 16:01	1
Ethylene Dibromide	ND		1.0		ug/L			03/27/20 16:01	1
Isopropylbenzene	ND		1.0		ug/L			03/27/20 16:01	1
Methyl acetate	ND		5.0		ug/L			03/27/20 16:01	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/27/20 16:01	1
Methylcyclohexane	ND		1.0		ug/L			03/27/20 16:01	1
Methylene Chloride	ND		1.0		ug/L			03/27/20 16:01	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/27/20 16:01	1
o-Xylene	ND		1.0		ug/L			03/27/20 16:01	1
Xylenes, Total	ND		2.0		ug/L			03/27/20 16:01	1
Styrene	ND		1.0		ug/L			03/27/20 16:01	1
Tetrachloroethene	**1.6**		1.0		ug/L			03/27/20 16:01	1
Toluene	ND		1.0		ug/L			03/27/20 16:01	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/27/20 16:01	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 16:01	1
Trichloroethene	ND		1.0		ug/L			03/27/20 16:01	1
Trichlorofluoromethane	ND		1.0		ug/L			03/27/20 16:01	1
Vinyl chloride	ND		1.0		ug/L			03/27/20 16:01	1
1,2-Dichloroethane	ND		1.0		ug/L			03/27/20 16:01	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/27/20 16:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			03/27/20 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*		*03/27/20 16:01*	*1*
4-Bromofluorobenzene	*105*		*76 - 120*		*03/27/20 16:01*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*03/27/20 16:01*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/27/20 16:01*	*1*

Client: New York State D.E.C.
Job ID: 460-205623-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-DDC-09PD
Lab Sample ID: 460-205623-5
Date Collected: 03/19/20 14:17
Matrix: Water
Date Received: 03/21/20 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			03/27/20 16:25	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			03/27/20 16:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			03/27/20 16:25	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/27/20 16:25	1
1,1-Dichloroethane	ND		1.0		ug/L			03/27/20 16:25	1
1,1-Dichloroethene	ND		1.0		ug/L			03/27/20 16:25	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/27/20 16:25	1
1,2-Dichloropropane	ND		1.0		ug/L			03/27/20 16:25	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/27/20 16:25	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/27/20 16:25	1
2-Butanone (MEK)	ND		5.0		ug/L			03/27/20 16:25	1
2-Hexanone	ND		5.0		ug/L			03/27/20 16:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			03/27/20 16:25	1
Acetone	ND		5.0		ug/L			03/27/20 16:25	1
Benzene	ND		1.0		ug/L			03/27/20 16:25	1
Bromoform	ND		1.0		ug/L			03/27/20 16:25	1
Bromomethane	ND		1.0		ug/L			03/27/20 16:25	1
Carbon disulfide	ND		1.0		ug/L			03/27/20 16:25	1
Carbon tetrachloride	ND		1.0		ug/L			03/27/20 16:25	1
Chlorobenzene	ND		1.0		ug/L			03/27/20 16:25	1
Chlorodibromomethane	ND		1.0		ug/L			03/27/20 16:25	1
Chloroethane	ND		1.0		ug/L			03/27/20 16:25	1
Chloroform	ND		1.0		ug/L			03/27/20 16:25	1
Chloromethane	ND		1.0		ug/L			03/27/20 16:25	1
cis-1,2-Dichloroethene	**2.0**		1.0		ug/L			03/27/20 16:25	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 16:25	1
Cyclohexane	ND		1.0		ug/L			03/27/20 16:25	1
Dichlorobromomethane	ND		1.0		ug/L			03/27/20 16:25	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/27/20 16:25	1
Ethylbenzene	ND		1.0		ug/L			03/27/20 16:25	1
Ethylene Dibromide	ND		1.0		ug/L			03/27/20 16:25	1
Isopropylbenzene	ND		1.0		ug/L			03/27/20 16:25	1
Methyl acetate	ND		5.0		ug/L			03/27/20 16:25	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/27/20 16:25	1
Methylcyclohexane	ND		1.0		ug/L			03/27/20 16:25	1
Methylene Chloride	ND		1.0		ug/L			03/27/20 16:25	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/27/20 16:25	1
o-Xylene	ND		1.0		ug/L			03/27/20 16:25	1
Xylenes, Total	ND		2.0		ug/L			03/27/20 16:25	1
Styrene	ND		1.0		ug/L			03/27/20 16:25	1
Tetrachloroethene	ND		1.0		ug/L			03/27/20 16:25	1
Toluene	ND		1.0		ug/L			03/27/20 16:25	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/27/20 16:25	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 16:25	1
Trichloroethene	ND		1.0		ug/L			03/27/20 16:25	1
Trichlorofluoromethane	ND		1.0		ug/L			03/27/20 16:25	1
Vinyl chloride	ND		1.0		ug/L			03/27/20 16:25	1
1,2-Dichloroethane	ND		1.0		ug/L			03/27/20 16:25	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/27/20 16:25	1

Client: New York State D.E.C.
Job ID: 460-205623-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-DDC-09PD
Lab Sample ID: 460-205623-5
Date Collected: 03/19/20 14:17
Matrix: Water
Date Received: 03/21/20 16:36

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	ND		1.0		ug/L			03/27/20 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*03/27/20 16:25*	*1*
4-Bromofluorobenzene	*106*		*76 - 120*		*03/27/20 16:25*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*03/27/20 16:25*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/27/20 16:25*	*1*

Client Sample ID: 152140-DDC-09PS
Lab Sample ID: 460-205623-6
Date Collected: 03/19/20 14:41
Matrix: Water
Date Received: 03/21/20 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			03/27/20 16:50	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			03/27/20 16:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			03/27/20 16:50	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/27/20 16:50	1
1,1-Dichloroethane	ND		1.0		ug/L			03/27/20 16:50	1
1,1-Dichloroethene	ND		1.0		ug/L			03/27/20 16:50	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/27/20 16:50	1
1,2-Dichloropropane	ND		1.0		ug/L			03/27/20 16:50	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/27/20 16:50	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/27/20 16:50	1
2-Butanone (MEK)	ND		5.0		ug/L			03/27/20 16:50	1
2-Hexanone	ND		5.0		ug/L			03/27/20 16:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			03/27/20 16:50	1
Acetone	ND		5.0		ug/L			03/27/20 16:50	1
Benzene	ND		1.0		ug/L			03/27/20 16:50	1
Bromoform	ND		1.0		ug/L			03/27/20 16:50	1
Bromomethane	ND		1.0		ug/L			03/27/20 16:50	1
Carbon disulfide	ND		1.0		ug/L			03/27/20 16:50	1
Carbon tetrachloride	ND		1.0		ug/L			03/27/20 16:50	1
Chlorobenzene	ND		1.0		ug/L			03/27/20 16:50	1
Chlorodibromomethane	ND		1.0		ug/L			03/27/20 16:50	1
Chloroethane	ND		1.0		ug/L			03/27/20 16:50	1
Chloroform	ND		1.0		ug/L			03/27/20 16:50	1
Chloromethane	ND		1.0		ug/L			03/27/20 16:50	1
cis-1,2-Dichloroethene	**2.7**		1.0		ug/L			03/27/20 16:50	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 16:50	1
Cyclohexane	ND		1.0		ug/L			03/27/20 16:50	1
Dichlorobromomethane	ND		1.0		ug/L			03/27/20 16:50	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/27/20 16:50	1
Ethylbenzene	ND		1.0		ug/L			03/27/20 16:50	1
Ethylene Dibromide	ND		1.0		ug/L			03/27/20 16:50	1
Isopropylbenzene	ND		1.0		ug/L			03/27/20 16:50	1
Methyl acetate	ND		5.0		ug/L			03/27/20 16:50	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/27/20 16:50	1
Methylcyclohexane	ND		1.0		ug/L			03/27/20 16:50	1
Methylene Chloride	ND		1.0		ug/L			03/27/20 16:50	1

Client Sample ID: 152140-DDC-09PS
Lab Sample ID: 460-205623-6

Date Collected: 03/19/20 14:41
Matrix: Water
Date Received: 03/21/20 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	ND		1.0		ug/L			03/27/20 16:50	1
o-Xylene	ND		1.0		ug/L			03/27/20 16:50	1
Xylenes, Total	ND		2.0		ug/L			03/27/20 16:50	1
Styrene	ND		1.0		ug/L			03/27/20 16:50	1
Tetrachloroethene	ND		1.0		ug/L			03/27/20 16:50	1
Toluene	ND		1.0		ug/L			03/27/20 16:50	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/27/20 16:50	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 16:50	1
Trichloroethene	ND		1.0		ug/L			03/27/20 16:50	1
Trichlorofluoromethane	ND		1.0		ug/L			03/27/20 16:50	1
Vinyl chloride	ND		1.0		ug/L			03/27/20 16:50	1
1,2-Dichloroethane	ND		1.0		ug/L			03/27/20 16:50	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/27/20 16:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			03/27/20 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*03/27/20 16:50*	*1*
4-Bromofluorobenzene	*103*		*76 - 120*		*03/27/20 16:50*	*1*
Dibromofluoromethane (Surr)	*106*		*77 - 124*		*03/27/20 16:50*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/27/20 16:50*	*1*

Client Sample ID: 152140-DDC-10PS
Lab Sample ID: 460-205623-7

Date Collected: 03/19/20 15:20
Matrix: Water
Date Received: 03/21/20 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			03/27/20 17:14	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			03/27/20 17:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			03/27/20 17:14	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/27/20 17:14	1
1,1-Dichloroethane	ND		1.0		ug/L			03/27/20 17:14	1
1,1-Dichloroethene	ND		1.0		ug/L			03/27/20 17:14	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/27/20 17:14	1
1,2-Dichloropropane	ND		1.0		ug/L			03/27/20 17:14	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/27/20 17:14	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/27/20 17:14	1
2-Butanone (MEK)	ND		5.0		ug/L			03/27/20 17:14	1
2-Hexanone	ND		5.0		ug/L			03/27/20 17:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			03/27/20 17:14	1
Acetone	ND		5.0		ug/L			03/27/20 17:14	1
Benzene	ND		1.0		ug/L			03/27/20 17:14	1
Bromoform	ND		1.0		ug/L			03/27/20 17:14	1
Bromomethane	ND		1.0		ug/L			03/27/20 17:14	1
Carbon disulfide	ND		1.0		ug/L			03/27/20 17:14	1
Carbon tetrachloride	ND		1.0		ug/L			03/27/20 17:14	1
Chlorobenzene	ND		1.0		ug/L			03/27/20 17:14	1
Chlorodibromomethane	ND		1.0		ug/L			03/27/20 17:14	1
Chloroethane	ND		1.0		ug/L			03/27/20 17:14	1
Chloroform	ND		1.0		ug/L			03/27/20 17:14	1

Client Sample ID: 152140-DDC-10PS
Lab Sample ID: 460-205623-7

Date Collected: 03/19/20 15:20
Matrix: Water
Date Received: 03/21/20 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0		ug/L			03/27/20 17:14	1
cis-1,2-Dichloroethene	**2.3**		1.0		ug/L			03/27/20 17:14	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 17:14	1
Cyclohexane	ND		1.0		ug/L			03/27/20 17:14	1
Dichlorobromomethane	ND		1.0		ug/L			03/27/20 17:14	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/27/20 17:14	1
Ethylbenzene	ND		1.0		ug/L			03/27/20 17:14	1
Ethylene Dibromide	ND		1.0		ug/L			03/27/20 17:14	1
Isopropylbenzene	ND		1.0		ug/L			03/27/20 17:14	1
Methyl acetate	ND		5.0		ug/L			03/27/20 17:14	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/27/20 17:14	1
Methylcyclohexane	ND		1.0		ug/L			03/27/20 17:14	1
Methylene Chloride	ND		1.0		ug/L			03/27/20 17:14	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/27/20 17:14	1
o-Xylene	ND		1.0		ug/L			03/27/20 17:14	1
Xylenes, Total	ND		2.0		ug/L			03/27/20 17:14	1
Styrene	ND		1.0		ug/L			03/27/20 17:14	1
Tetrachloroethene	ND		1.0		ug/L			03/27/20 17:14	1
Toluene	ND		1.0		ug/L			03/27/20 17:14	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/27/20 17:14	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 17:14	1
Trichloroethene	ND		1.0		ug/L			03/27/20 17:14	1
Trichlorofluoromethane	ND		1.0		ug/L			03/27/20 17:14	1
Vinyl chloride	ND		1.0		ug/L			03/27/20 17:14	1
1,2-Dichloroethane	ND		1.0		ug/L			03/27/20 17:14	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/27/20 17:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			03/27/20 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*		*03/27/20 17:14*	*1*
4-Bromofluorobenzene	*110*		*76 - 120*		*03/27/20 17:14*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*03/27/20 17:14*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/27/20 17:14*	*1*

Client Sample ID: 152140-DDC-10PD
Lab Sample ID: 460-205623-8

Date Collected: 03/19/20 15:45
Matrix: Water
Date Received: 03/21/20 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			03/27/20 17:38	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			03/27/20 17:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			03/27/20 17:38	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/27/20 17:38	1
1,1-Dichloroethane	ND		1.0		ug/L			03/27/20 17:38	1
1,1-Dichloroethene	ND		1.0		ug/L			03/27/20 17:38	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/27/20 17:38	1
1,2-Dichloropropane	ND		1.0		ug/L			03/27/20 17:38	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/27/20 17:38	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/27/20 17:38	1

Client: New York State D.E.C.
Job ID: 460-205623-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-DDC-10PD
Lab Sample ID: 460-205623-8
Date Collected: 03/19/20 15:45
Matrix: Water
Date Received: 03/21/20 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		5.0		ug/L			03/27/20 17:38	1
2-Hexanone	ND		5.0		ug/L			03/27/20 17:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			03/27/20 17:38	1
Acetone	ND		5.0		ug/L			03/27/20 17:38	1
Benzene	ND		1.0		ug/L			03/27/20 17:38	1
Bromoform	ND		1.0		ug/L			03/27/20 17:38	1
Bromomethane	ND		1.0		ug/L			03/27/20 17:38	1
Carbon disulfide	ND		1.0		ug/L			03/27/20 17:38	1
Carbon tetrachloride	ND		1.0		ug/L			03/27/20 17:38	1
Chlorobenzene	ND		1.0		ug/L			03/27/20 17:38	1
Chlorodibromomethane	ND		1.0		ug/L			03/27/20 17:38	1
Chloroethane	ND		1.0		ug/L			03/27/20 17:38	1
Chloroform	ND		1.0		ug/L			03/27/20 17:38	1
Chloromethane	ND		1.0		ug/L			03/27/20 17:38	1
cis-1,2-Dichloroethene	**1.0**		1.0		ug/L			03/27/20 17:38	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 17:38	1
Cyclohexane	ND		1.0		ug/L			03/27/20 17:38	1
Dichlorobromomethane	ND		1.0		ug/L			03/27/20 17:38	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/27/20 17:38	1
Ethylbenzene	ND		1.0		ug/L			03/27/20 17:38	1
Ethylene Dibromide	ND		1.0		ug/L			03/27/20 17:38	1
Isopropylbenzene	ND		1.0		ug/L			03/27/20 17:38	1
Methyl acetate	ND		5.0		ug/L			03/27/20 17:38	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/27/20 17:38	1
Methylcyclohexane	ND		1.0		ug/L			03/27/20 17:38	1
Methylene Chloride	ND		1.0		ug/L			03/27/20 17:38	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/27/20 17:38	1
o-Xylene	ND		1.0		ug/L			03/27/20 17:38	1
Xylenes, Total	ND		2.0		ug/L			03/27/20 17:38	1
Styrene	ND		1.0		ug/L			03/27/20 17:38	1
Tetrachloroethene	ND		1.0		ug/L			03/27/20 17:38	1
Toluene	ND		1.0		ug/L			03/27/20 17:38	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/27/20 17:38	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 17:38	1
Trichloroethene	ND		1.0		ug/L			03/27/20 17:38	1
Trichlorofluoromethane	ND		1.0		ug/L			03/27/20 17:38	1
Vinyl chloride	ND		1.0		ug/L			03/27/20 17:38	1
1,2-Dichloroethane	ND		1.0		ug/L			03/27/20 17:38	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/27/20 17:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			03/27/20 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*03/27/20 17:38*	*1*
4-Bromofluorobenzene	*112*		*76 - 120*		*03/27/20 17:38*	*1*
Dibromofluoromethane (Surr)	*106*		*77 - 124*		*03/27/20 17:38*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/27/20 17:38*	*1*

Client: New York State D.E.C.
Job ID: 460-205623-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: TRIP BLANK01_20200319
Lab Sample ID: 460-205623-9

Date Collected: 03/19/20 00:00
Matrix: Water
Date Received: 03/21/20 16:36

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			03/27/20 11:06	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			03/27/20 11:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			03/27/20 11:06	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/27/20 11:06	1
1,1-Dichloroethane	ND		1.0		ug/L			03/27/20 11:06	1
1,1-Dichloroethene	ND		1.0		ug/L			03/27/20 11:06	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/27/20 11:06	1
1,2-Dichloropropane	ND		1.0		ug/L			03/27/20 11:06	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/27/20 11:06	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/27/20 11:06	1
2-Butanone (MEK)	ND		5.0		ug/L			03/27/20 11:06	1
2-Hexanone	ND		5.0		ug/L			03/27/20 11:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			03/27/20 11:06	1
Acetone	ND		5.0		ug/L			03/27/20 11:06	1
Benzene	ND		1.0		ug/L			03/27/20 11:06	1
Bromoform	ND		1.0		ug/L			03/27/20 11:06	1
Bromomethane	ND		1.0		ug/L			03/27/20 11:06	1
Carbon disulfide	ND		1.0		ug/L			03/27/20 11:06	1
Carbon tetrachloride	ND		1.0		ug/L			03/27/20 11:06	1
Chlorobenzene	ND		1.0		ug/L			03/27/20 11:06	1
Chlorodibromomethane	ND		1.0		ug/L			03/27/20 11:06	1
Chloroethane	ND		1.0		ug/L			03/27/20 11:06	1
Chloroform	ND		1.0		ug/L			03/27/20 11:06	1
Chloromethane	ND		1.0		ug/L			03/27/20 11:06	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/27/20 11:06	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 11:06	1
Cyclohexane	ND		1.0		ug/L			03/27/20 11:06	1
Dichlorobromomethane	ND		1.0		ug/L			03/27/20 11:06	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/27/20 11:06	1
Ethylbenzene	ND		1.0		ug/L			03/27/20 11:06	1
Ethylene Dibromide	ND		1.0		ug/L			03/27/20 11:06	1
Isopropylbenzene	ND		1.0		ug/L			03/27/20 11:06	1
Methyl acetate	ND		5.0		ug/L			03/27/20 11:06	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/27/20 11:06	1
Methylcyclohexane	ND		1.0		ug/L			03/27/20 11:06	1
Methylene Chloride	ND		1.0		ug/L			03/27/20 11:06	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/27/20 11:06	1
o-Xylene	ND		1.0		ug/L			03/27/20 11:06	1
Xylenes, Total	ND		2.0		ug/L			03/27/20 11:06	1
Styrene	ND		1.0		ug/L			03/27/20 11:06	1
Tetrachloroethene	ND		1.0		ug/L			03/27/20 11:06	1
Toluene	ND		1.0		ug/L			03/27/20 11:06	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/27/20 11:06	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 11:06	1
Trichloroethene	ND		1.0		ug/L			03/27/20 11:06	1
Trichlorofluoromethane	ND		1.0		ug/L			03/27/20 11:06	1
Vinyl chloride	ND		1.0		ug/L			03/27/20 11:06	1
1,2-Dichloroethane	ND		1.0		ug/L			03/27/20 11:06	1
1,2-Dichlorobenzene	ND		1.0		ug/L			03/27/20 11:06	1

Client: New York State D.E.C.
Job ID: 460-205623-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: TRIP BLANK01_20200319
Lab Sample ID: 460-205623-9
Date Collected: 03/19/20 00:00
Matrix: Water
Date Received: 03/21/20 16:36

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	ND		1.0		ug/L			03/27/20 11:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*		*03/27/20 11:06*	*1*
4-Bromofluorobenzene	*108*		*76 - 120*		*03/27/20 11:06*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 124*		*03/27/20 11:06*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/27/20 11:06*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Job ID: 460-205623-1

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)
460-205623-1	152140-MW-2S	97	98	97	94
460-205623-1 MS	152140-MW-2S	104	108	105	105
460-205623-1 MSD	152140-MW-2S	91	99	95	94
460-205623-2	152140-MW-2D	104	111	109	100
460-205623-3	152140-DDC-2PD	99	101	101	95
460-205623-4	152140-DDC-2PS	103	105	105	98
460-205623-5	152140-DDC-09PD	104	106	105	100
460-205623-6	152140-DDC-09PS	104	103	106	99
460-205623-7	152140-DDC-10PS	97	110	103	97
460-205623-8	152140-DDC-10PD	101	112	106	99
460-205623-9	TRIP BLANK01_20200319	99	108	104	99
LCS 460-684038/4	Lab Control Sample	91	103	96	95
LCSD 460-684038/5	Lab Control Sample Dup	93	104	95	96
MB 460-684038/9	Method Blank	98	104	101	97

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 460-684038/9
Matrix: Water
Analysis Batch: 684038

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			03/27/20 09:53	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			03/27/20 09:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			03/27/20 09:53	1
1,1,2-Trichloroethane	ND		1.0		ug/L			03/27/20 09:53	1
1,1-Dichloroethane	ND		1.0		ug/L			03/27/20 09:53	1
1,1-Dichloroethene	ND		1.0		ug/L			03/27/20 09:53	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			03/27/20 09:53	1
1,2-Dichloropropane	ND		1.0		ug/L			03/27/20 09:53	1
1,3-Dichlorobenzene	ND		1.0		ug/L			03/27/20 09:53	1
1,4-Dichlorobenzene	ND		1.0		ug/L			03/27/20 09:53	1
2-Butanone (MEK)	ND		5.0		ug/L			03/27/20 09:53	1
2-Hexanone	ND		5.0		ug/L			03/27/20 09:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			03/27/20 09:53	1
Acetone	ND		5.0		ug/L			03/27/20 09:53	1
Benzene	ND		1.0		ug/L			03/27/20 09:53	1
Bromoform	ND		1.0		ug/L			03/27/20 09:53	1
Bromomethane	ND		1.0		ug/L			03/27/20 09:53	1
Carbon disulfide	ND		1.0		ug/L			03/27/20 09:53	1
Carbon tetrachloride	ND		1.0		ug/L			03/27/20 09:53	1
Chlorobenzene	ND		1.0		ug/L			03/27/20 09:53	1
Chlorodibromomethane	ND		1.0		ug/L			03/27/20 09:53	1
Chloroethane	ND		1.0		ug/L			03/27/20 09:53	1
Chloroform	ND		1.0		ug/L			03/27/20 09:53	1
Chloromethane	ND		1.0		ug/L			03/27/20 09:53	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			03/27/20 09:53	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 09:53	1
Cyclohexane	ND		1.0		ug/L			03/27/20 09:53	1
Dichlorobromomethane	ND		1.0		ug/L			03/27/20 09:53	1
Dichlorodifluoromethane	ND		1.0		ug/L			03/27/20 09:53	1
Ethylbenzene	ND		1.0		ug/L			03/27/20 09:53	1
Ethylene Dibromide	ND		1.0		ug/L			03/27/20 09:53	1
Isopropylbenzene	ND		1.0		ug/L			03/27/20 09:53	1
Methyl acetate	ND		5.0		ug/L			03/27/20 09:53	1
Methyl tert-butyl ether	ND		1.0		ug/L			03/27/20 09:53	1
Methylcyclohexane	ND		1.0		ug/L			03/27/20 09:53	1
Methylene Chloride	ND		1.0		ug/L			03/27/20 09:53	1
m-Xylene & p-Xylene	ND		1.0		ug/L			03/27/20 09:53	1
o-Xylene	ND		1.0		ug/L			03/27/20 09:53	1
Xylenes, Total	ND		2.0		ug/L			03/27/20 09:53	1
Styrene	ND		1.0		ug/L			03/27/20 09:53	1
Tetrachloroethene	ND		1.0		ug/L			03/27/20 09:53	1
Toluene	ND		1.0		ug/L			03/27/20 09:53	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			03/27/20 09:53	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			03/27/20 09:53	1
Trichloroethene	ND		1.0		ug/L			03/27/20 09:53	1
Trichlorofluoromethane	ND		1.0		ug/L			03/27/20 09:53	1
Vinyl chloride	ND		1.0		ug/L			03/27/20 09:53	1
1,2-Dichloroethane	ND		1.0		ug/L			03/27/20 09:53	1

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

Lab Sample ID: MB 460-684038/9
Matrix: Water
Analysis Batch: 684038

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		1.0		ug/L			03/27/20 09:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			03/27/20 09:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*		*03/27/20 09:53*	*1*
4-Bromofluorobenzene	*104*		*76 - 120*		*03/27/20 09:53*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*03/27/20 09:53*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/27/20 09:53*	*1*

Lab Sample ID: LCS 460-684038/4
Matrix: Water
Analysis Batch: 684038

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	18.7		ug/L		93	68 - 128
1,1,2,2-Tetrachloroethane	20.0	16.9		ug/L		85	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.1		ug/L		101	59 - 142
1,1,2-Trichloroethane	20.0	17.8		ug/L		89	74 - 125
1,1-Dichloroethane	20.0	18.1		ug/L		90	73 - 130
1,1-Dichloroethene	20.0	18.7		ug/L		93	68 - 133
1,2,4-Trichlorobenzene	20.0	20.2		ug/L		101	64 - 132
1,2-Dichloropropane	20.0	17.7		ug/L		89	76 - 126
1,3-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 121
1,4-Dichlorobenzene	20.0	19.3		ug/L		97	80 - 118
2-Butanone (MEK)	100	92.7		ug/L		93	69 - 128
2-Hexanone	100	97.7		ug/L		98	74 - 127
4-Methyl-2-pentanone (MIBK)	100	103		ug/L		103	78 - 125
Acetone	100	81.9		ug/L		82	61 - 134
Benzene	20.0	18.5		ug/L		93	78 - 126
Bromoform	20.0	18.2		ug/L		91	38 - 144
Bromomethane	20.0	18.9		ug/L		95	10 - 150
Carbon disulfide	20.0	17.9		ug/L		90	64 - 138
Carbon tetrachloride	20.0	19.3		ug/L		97	56 - 131
Chlorobenzene	20.0	19.1		ug/L		95	80 - 119
Chlorodibromomethane	20.0	17.7		ug/L		88	58 - 130
Chloroethane	20.0	19.8		ug/L		99	29 - 150
Chloroform	20.0	18.3		ug/L		91	78 - 125
Chloromethane	20.0	17.4		ug/L		87	38 - 150
cis-1,2-Dichloroethene	20.0	18.5		ug/L		92	78 - 121
cis-1,3-Dichloropropene	20.0	17.7		ug/L		89	74 - 125
Cyclohexane	20.0	19.1		ug/L		96	67 - 133
Dichlorobromomethane	20.0	17.8		ug/L		89	72 - 121
Dichlorodifluoromethane	20.0	14.7		ug/L		74	31 - 150
Ethylbenzene	20.0	19.4		ug/L		97	78 - 120
Ethylene Dibromide	20.0	18.4		ug/L		92	69 - 126
Isopropylbenzene	20.0	20.2		ug/L		101	79 - 125
Methyl acetate	40.0	39.1		ug/L		98	70 - 127
Methyl tert-butyl ether	20.0	18.0		ug/L		90	65 - 131

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

Lab Sample ID: LCS 460-684038/4
Matrix: Water
Analysis Batch: 684038

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	18.7		ug/L		93	60 - 139
Methylene Chloride	20.0	18.0		ug/L		90	74 - 127
m-Xylene & p-Xylene	20.0	18.7		ug/L		94	78 - 123
o-Xylene	20.0	19.2		ug/L		96	78 - 122
Xylenes, Total	40.0	37.9		ug/L		95	78 - 122
Styrene	20.0	19.4		ug/L		97	75 - 127
Tetrachloroethene	20.0	19.5		ug/L		98	70 - 127
Toluene	20.0	18.7		ug/L		94	78 - 119
trans-1,2-Dichloroethene	20.0	17.4		ug/L		87	74 - 126
trans-1,3-Dichloropropene	20.0	17.5		ug/L		88	66 - 127
Trichloroethene	20.0	18.1		ug/L		90	71 - 121
Trichlorofluoromethane	20.0	20.4		ug/L		102	61 - 140
Vinyl chloride	20.0	18.9		ug/L		95	61 - 144
1,2-Dichloroethane	20.0	18.2		ug/L		91	75 - 121
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	79 - 122
1,2-Dibromo-3-Chloropropane	20.0	18.0		ug/L		90	41 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 123*
4-Bromofluorobenzene	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*96*		*77 - 124*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: LCSD 460-684038/5
Matrix: Water
Analysis Batch: 684038

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	20.1		ug/L		101	68 - 128	8	30
1,1,2,2-Tetrachloroethane	20.0	18.4		ug/L		92	63 - 139	8	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.0		ug/L		110	59 - 142	9	30
1,1,2-Trichloroethane	20.0	19.1		ug/L		95	74 - 125	7	30
1,1-Dichloroethane	20.0	19.6		ug/L		98	73 - 130	8	30
1,1-Dichloroethene	20.0	21.1		ug/L		106	68 - 133	12	30
1,2,4-Trichlorobenzene	20.0	21.5		ug/L		107	64 - 132	6	30
1,2-Dichloropropane	20.0	19.0		ug/L		95	76 - 126	7	30
1,3-Dichlorobenzene	20.0	20.9		ug/L		104	80 - 121	8	30
1,4-Dichlorobenzene	20.0	20.9		ug/L		105	80 - 118	8	30
2-Butanone (MEK)	100	98.0		ug/L		98	69 - 128	6	30
2-Hexanone	100	105		ug/L		105	74 - 127	7	30
4-Methyl-2-pentanone (MIBK)	100	110		ug/L		110	78 - 125	6	30
Acetone	100	96.2		ug/L		96	61 - 134	16	30
Benzene	20.0	20.3		ug/L		102	78 - 126	9	30
Bromoform	20.0	20.1		ug/L		101	38 - 144	10	30
Bromomethane	20.0	19.6		ug/L		98	10 - 150	4	30
Carbon disulfide	20.0	20.8		ug/L		104	64 - 138	15	30
Carbon tetrachloride	20.0	20.8		ug/L		104	56 - 131	8	30
Chlorobenzene	20.0	20.7		ug/L		104	80 - 119	8	30

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

Lab Sample ID: LCSD 460-684038/5
Matrix: Water
Analysis Batch: 684038

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	18.9		ug/L		94	58 - 130	7	30
Chloroethane	20.0	20.5		ug/L		102	29 - 150	3	30
Chloroform	20.0	19.7		ug/L		99	78 - 125	8	30
Chloromethane	20.0	18.1		ug/L		90	38 - 150	4	30
cis-1,2-Dichloroethene	20.0	19.7		ug/L		99	78 - 121	7	30
cis-1,3-Dichloropropene	20.0	19.5		ug/L		97	74 - 125	9	30
Cyclohexane	20.0	20.1		ug/L		101	67 - 133	5	30
Dichlorobromomethane	20.0	18.9		ug/L		94	72 - 121	6	30
Dichlorodifluoromethane	20.0	14.9		ug/L		74	31 - 150	1	30
Ethylbenzene	20.0	20.5		ug/L		102	78 - 120	6	30
Ethylene Dibromide	20.0	19.8		ug/L		99	69 - 126	7	30
Isopropylbenzene	20.0	21.9		ug/L		109	79 - 125	8	30
Methyl acetate	40.0	49.7		ug/L		124	70 - 127	24	30
Methyl tert-butyl ether	20.0	20.2		ug/L		101	65 - 131	12	30
Methylcyclohexane	20.0	20.0		ug/L		100	60 - 139	7	30
Methylene Chloride	20.0	19.9		ug/L		100	74 - 127	10	30
m-Xylene & p-Xylene	20.0	20.5		ug/L		102	78 - 123	9	30
o-Xylene	20.0	20.7		ug/L		104	78 - 122	8	30
Xylenes, Total	40.0	41.2		ug/L		103	78 - 122	8	30
Styrene	20.0	20.8		ug/L		104	75 - 127	7	30
Tetrachloroethene	20.0	20.9		ug/L		105	70 - 127	7	30
Toluene	20.0	20.1		ug/L		101	78 - 119	7	30
trans-1,2-Dichloroethene	20.0	19.7		ug/L		98	74 - 126	12	30
trans-1,3-Dichloropropene	20.0	19.1		ug/L		95	66 - 127	9	30
Trichloroethene	20.0	19.6		ug/L		98	71 - 121	8	30
Trichlorofluoromethane	20.0	21.2		ug/L		106	61 - 140	4	30
Vinyl chloride	20.0	19.3		ug/L		96	61 - 144	2	30
1,2-Dichloroethane	20.0	19.4		ug/L		97	75 - 121	7	30
1,2-Dichlorobenzene	20.0	20.7		ug/L		104	79 - 122	8	30
1,2-Dibromo-3-Chloropropane	20.0	19.6		ug/L		98	41 - 143	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 123*
4-Bromofluorobenzene	*104*		*76 - 120*
Dibromofluoromethane (Surr)	*95*		*77 - 124*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: 460-205623-1 MS
Matrix: Water
Analysis Batch: 684038

Client Sample ID: 152140-MW-2S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		20.0	20.9		ug/L		105	68 - 128
1,1,2,2-Tetrachloroethane	ND		20.0	19.9		ug/L		100	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20.0	22.7		ug/L		113	59 - 142
1,1,2-Trichloroethane	ND		20.0	19.8		ug/L		99	74 - 125
1,1-Dichloroethane	ND		20.0	21.1		ug/L		105	73 - 130
1,1-Dichloroethene	ND		20.0	21.9		ug/L		110	68 - 133

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

Lab Sample ID: 460-205623-1 MS
Client Sample ID: 152140-MW-2S
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 684038

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		20.0	16.8		ug/L		84	64 - 132
1,2-Dichloropropane	ND		20.0	20.3		ug/L		101	76 - 126
1,3-Dichlorobenzene	ND		20.0	21.1		ug/L		106	80 - 121
1,4-Dichlorobenzene	ND		20.0	21.4		ug/L		107	80 - 118
2-Butanone (MEK)	ND		100	93.9		ug/L		94	69 - 128
2-Hexanone	ND		100	107		ug/L		107	74 - 127
4-Methyl-2-pentanone (MIBK)	ND		100	114		ug/L		114	78 - 125
Acetone	ND		100	89.7		ug/L		90	61 - 134
Benzene	ND		20.0	21.5		ug/L		108	78 - 126
Bromoform	ND		20.0	16.7		ug/L		83	38 - 144
Bromomethane	ND		20.0	21.1		ug/L		106	10 - 150
Carbon disulfide	ND		20.0	15.1		ug/L		75	64 - 138
Carbon tetrachloride	ND		20.0	19.8		ug/L		99	56 - 131
Chlorobenzene	ND		20.0	21.2		ug/L		106	80 - 119
Chlorodibromomethane	ND		20.0	17.3		ug/L		86	58 - 130
Chloroethane	ND		20.0	21.6		ug/L		108	29 - 150
Chloroform	ND		20.0	21.4		ug/L		107	78 - 125
Chloromethane	ND		20.0	19.9		ug/L		100	38 - 150
cis-1,2-Dichloroethene	1.3		20.0	21.8		ug/L		103	78 - 121
cis-1,3-Dichloropropene	ND		20.0	18.7		ug/L		93	74 - 125
Cyclohexane	ND		20.0	21.3		ug/L		107	67 - 133
Dichlorobromomethane	ND		20.0	18.9		ug/L		95	72 - 121
Dichlorodifluoromethane	ND		20.0	15.5		ug/L		77	31 - 150
Ethylbenzene	ND		20.0	20.8		ug/L		104	78 - 120
Ethylene Dibromide	ND		20.0	20.3		ug/L		101	69 - 126
Isopropylbenzene	ND		20.0	22.3		ug/L		112	79 - 125
Methyl acetate	ND	F1	40.0	51.1	F1	ug/L		128	70 - 127
Methyl tert-butyl ether	ND		20.0	20.1		ug/L		101	65 - 131
Methylcyclohexane	ND		20.0	20.4		ug/L		102	60 - 139
Methylene Chloride	ND		20.0	21.3		ug/L		106	74 - 127
m-Xylene & p-Xylene	ND		20.0	20.9		ug/L		104	78 - 123
o-Xylene	ND		20.0	21.5		ug/L		107	78 - 122
Xylenes, Total	ND		40.0	42.4		ug/L		106	78 - 122
Styrene	ND		20.0	21.5		ug/L		107	75 - 127
Tetrachloroethene	2.5		20.0	23.5		ug/L		105	70 - 127
Toluene	ND		20.0	20.9		ug/L		105	78 - 119
trans-1,2-Dichloroethene	ND		20.0	20.6		ug/L		103	74 - 126
trans-1,3-Dichloropropene	ND		20.0	18.8		ug/L		94	66 - 127
Trichloroethene	ND		20.0	20.5		ug/L		100	71 - 121
Trichlorofluoromethane	ND		20.0	22.0		ug/L		110	61 - 140
Vinyl chloride	ND		20.0	20.9		ug/L		105	61 - 144
1,2-Dichloroethane	ND		20.0	21.2		ug/L		106	75 - 121
1,2-Dichlorobenzene	ND		20.0	20.9		ug/L		104	79 - 122
1,2-Dibromo-3-Chloropropane	ND		20.0	18.0		ug/L		90	41 - 143

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*
4-Bromofluorobenzene	*108*		*76 - 120*

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

Lab Sample ID: 460-205623-1 MS
Matrix: Water
Analysis Batch: 684038

Client Sample ID: 152140-MW-2S
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	*105*		*77 - 124*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: 460-205623-1 MSD
Matrix: Water
Analysis Batch: 684038

Client Sample ID: 152140-MW-2S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		20.0	19.9		ug/L		100	68 - 128	5	30
1,1,2,2-Tetrachloroethane	ND		20.0	19.2		ug/L		96	63 - 139	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20.0	21.7		ug/L		108	59 - 142	5	30
1,1,2-Trichloroethane	ND		20.0	19.4		ug/L		97	74 - 125	2	30
1,1-Dichloroethane	ND		20.0	20.1		ug/L		100	73 - 130	5	30
1,1-Dichloroethene	ND		20.0	20.8		ug/L		104	68 - 133	5	30
1,2,4-Trichlorobenzene	ND		20.0	19.0		ug/L		95	64 - 132	12	30
1,2-Dichloropropane	ND		20.0	19.6		ug/L		98	76 - 126	4	30
1,3-Dichlorobenzene	ND		20.0	20.7		ug/L		103	80 - 121	2	30
1,4-Dichlorobenzene	ND		20.0	21.2		ug/L		106	80 - 118	1	30
2-Butanone (MEK)	ND		100	92.2		ug/L		92	69 - 128	2	30
2-Hexanone	ND		100	103		ug/L		103	74 - 127	4	30
4-Methyl-2-pentanone (MIBK)	ND		100	109		ug/L		109	78 - 125	5	30
Acetone	ND		100	88.8		ug/L		89	61 - 134	1	30
Benzene	ND		20.0	20.8		ug/L		104	78 - 126	4	30
Bromoform	ND		20.0	16.8		ug/L		84	38 - 144	1	30
Bromomethane	ND		20.0	21.0		ug/L		105	10 - 150	0	30
Carbon disulfide	ND		20.0	14.8		ug/L		74	64 - 138	2	30
Carbon tetrachloride	ND		20.0	19.4		ug/L		97	56 - 131	2	30
Chlorobenzene	ND		20.0	20.4		ug/L		102	80 - 119	4	30
Chlorodibromomethane	ND		20.0	16.5		ug/L		83	58 - 130	4	30
Chloroethane	ND		20.0	20.8		ug/L		104	29 - 150	4	30
Chloroform	ND		20.0	20.3		ug/L		101	78 - 125	5	30
Chloromethane	ND		20.0	19.4		ug/L		97	38 - 150	3	30
cis-1,2-Dichloroethene	1.3		20.0	21.0		ug/L		98	78 - 121	4	30
cis-1,3-Dichloropropene	ND		20.0	18.3		ug/L		92	74 - 125	2	30
Cyclohexane	ND		20.0	20.8		ug/L		104	67 - 133	2	30
Dichlorobromomethane	ND		20.0	17.5		ug/L		87	72 - 121	8	30
Dichlorodifluoromethane	ND		20.0	15.5		ug/L		77	31 - 150	0	30
Ethylbenzene	ND		20.0	20.0		ug/L		100	78 - 120	4	30
Ethylene Dibromide	ND		20.0	20.0		ug/L		100	69 - 126	1	30
Isopropylbenzene	ND		20.0	21.6		ug/L		108	79 - 125	3	30
Methyl acetate	ND	F1	40.0	48.3		ug/L		121	70 - 127	6	30
Methyl tert-butyl ether	ND		20.0	19.8		ug/L		99	65 - 131	2	30
Methylcyclohexane	ND		20.0	20.2		ug/L		101	60 - 139	1	30
Methylene Chloride	ND		20.0	20.4		ug/L		102	74 - 127	4	30
m-Xylene & p-Xylene	ND		20.0	20.2		ug/L		101	78 - 123	3	30
o-Xylene	ND		20.0	20.9		ug/L		104	78 - 122	3	30
Xylenes, Total	ND		40.0	41.1		ug/L		103	78 - 122	3	30
Styrene	ND		20.0	20.7		ug/L		104	75 - 127	4	30

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

Lab Sample ID: 460-205623-1 MSD
Client Sample ID: 152140-MW-2S
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 684038

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene	2.5		20.0	23.5		ug/L		105	70 - 127	0	30
Toluene	ND		20.0	20.4		ug/L		102	78 - 119	2	30
trans-1,2-Dichloroethene	ND		20.0	20.0		ug/L		100	74 - 126	3	30
trans-1,3-Dichloropropene	ND		20.0	18.3		ug/L		91	66 - 127	3	30
Trichloroethene	ND		20.0	19.7		ug/L		96	71 - 121	4	30
Trichlorofluoromethane	ND		20.0	22.0		ug/L		110	61 - 140	0	30
Vinyl chloride	ND		20.0	20.4		ug/L		102	61 - 144	3	30
1,2-Dichloroethane	ND		20.0	20.4		ug/L		102	75 - 121	4	30
1,2-Dichlorobenzene	ND		20.0	20.6		ug/L		103	79 - 122	1	30
1,2-Dibromo-3-Chloropropane	ND		20.0	17.1		ug/L		86	41 - 143	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 123*
4-Bromofluorobenzene	*99*		*76 - 120*
Dibromofluoromethane (Surr)	*95*		*77 - 124*
Toluene-d8 (Surr)	*94*		*80 - 120*

QC Association Summary

Client: New York State D.E.C.
Job ID: 460-205623-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

GC/MS VOA

Analysis Batch: 684038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-205623-1	152140-MW-2S	Total/NA	Water	8260C	
460-205623-2	152140-MW-2D	Total/NA	Water	8260C	
460-205623-3	152140-DDC-2PD	Total/NA	Water	8260C	
460-205623-4	152140-DDC-2PS	Total/NA	Water	8260C	
460-205623-5	152140-DDC-09PD	Total/NA	Water	8260C	
460-205623-6	152140-DDC-09PS	Total/NA	Water	8260C	
460-205623-7	152140-DDC-10PS	Total/NA	Water	8260C	
460-205623-8	152140-DDC-10PD	Total/NA	Water	8260C	
460-205623-9	TRIP BLANK01_20200319	Total/NA	Water	8260C	
MB 460-684038/9	Method Blank	Total/NA	Water	8260C	
LCS 460-684038/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-684038/5	Lab Control Sample Dup	Total/NA	Water	8260C	
460-205623-1 MS	152140-MW-2S	Total/NA	Water	8260C	
460-205623-1 MSD	152140-MW-2S	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-205623-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-MW-2S
Lab Sample ID: 460-205623-1
Date Collected: 03/19/20 11:22
Matrix: Water
Date Received: 03/21/20 16:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684038	03/27/20 11:30	CJM	TAL EDI

Client Sample ID: 152140-MW-2D
Lab Sample ID: 460-205623-2
Date Collected: 03/19/20 11:59
Matrix: Water
Date Received: 03/21/20 16:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684038	03/27/20 15:11	CJM	TAL EDI

Client Sample ID: 152140-DDC-2PD
Lab Sample ID: 460-205623-3
Date Collected: 03/19/20 12:47
Matrix: Water
Date Received: 03/21/20 16:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684038	03/27/20 15:36	CJM	TAL EDI

Client Sample ID: 152140-DDC-2PS
Lab Sample ID: 460-205623-4
Date Collected: 03/19/20 13:13
Matrix: Water
Date Received: 03/21/20 16:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684038	03/27/20 16:01	CJM	TAL EDI

Client Sample ID: 152140-DDC-09PD
Lab Sample ID: 460-205623-5
Date Collected: 03/19/20 14:17
Matrix: Water
Date Received: 03/21/20 16:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684038	03/27/20 16:25	CJM	TAL EDI

Client Sample ID: 152140-DDC-09PS
Lab Sample ID: 460-205623-6
Date Collected: 03/19/20 14:41
Matrix: Water
Date Received: 03/21/20 16:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684038	03/27/20 16:50	CJM	TAL EDI

Client Sample ID: 152140-DDC-10PS
Lab Sample ID: 460-205623-7
Date Collected: 03/19/20 15:20
Matrix: Water
Date Received: 03/21/20 16:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684038	03/27/20 17:14	CJM	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-205623-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-DDC-10PD
Lab Sample ID: 460-205623-8
Date Collected: 03/19/20 15:45
Matrix: Water
Date Received: 03/21/20 16:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684038	03/27/20 17:38	CJM	TAL EDI

Client Sample ID: TRIP BLANK01_20200319
Lab Sample ID: 460-205623-9
Date Collected: 03/19/20 00:00
Matrix: Water
Date Received: 03/21/20 16:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684038	03/27/20 11:06	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: 460-205623-1
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	04-01-20
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: 460-205623-1
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: 460-205623-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-205623-1	152140-MW-2S	Water	03/19/20 11:22	03/21/20 16:36	
460-205623-2	152140-MW-2D	Water	03/19/20 11:59	03/21/20 16:36	
460-205623-3	152140-DDC-2PD	Water	03/19/20 12:47	03/21/20 16:36	
460-205623-4	152140-DDC-2PS	Water	03/19/20 13:13	03/21/20 16:36	
460-205623-5	152140-DDC-09PD	Water	03/19/20 14:17	03/21/20 16:36	
460-205623-6	152140-DDC-09PS	Water	03/19/20 14:41	03/21/20 16:36	
460-205623-7	152140-DDC-10PS	Water	03/19/20 15:20	03/21/20 16:36	
460-205623-8	152140-DDC-10PD	Water	03/19/20 15:45	03/21/20 16:36	
460-205623-9	TRIP BLANK01_20200319	Water	03/19/20 00:00	03/21/20 16:36	

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 460-205623-1

Login Number: 205623 **List Source: Eurofins TestAmerica, Edison**
List Number: 1
Creator: Rosaperez, Angelica X

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.	N/A	
Sample custody seals, if present, are intact.	N/A	
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.	True	

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ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-205624-1
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:
3/31/2020 2:53:13 PM

Julie Gilmore, Project Manager I
(484)685-0865
julie.gilmore@testamericainc.com

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
3/31/2020 2:53:14 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 460-205624-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD 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)
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: 460-205624-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC - EASTFARMINGDALE1 SITE:152140

Report Number: 460-205624-1

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 03/18/2020; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.5 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 152140-DDC-4-PS (460-205624-1), 152140-DDC-4-PD (460-205624-2), 152140-MW-15S (460-205624-3), 152140-MW-15D (460-205624-4), 152140-MW-2AD (460-205624-5), 152140-MW-2A (460-205624-6), 152140-MW-5S (460-205624-7), 152140-MW-5D (460-205624-8), 152140-MW-3D (460-205624-9), 152140-MW-3S (460-205624-10) and 152140-MW-X (460-205624-11) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 03/27/2020 and 03/28/2020.

The continuing calibration verification (CCV) analyzed in batch 460-683987 was outside the method criteria for the following analytes: Bromoform and Carbon tetrachloride (bias high), 1,1,2-Trichloro-1,2,2-trifluoroethane and Dichlorodifluoromethane (bias low). 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.

The continuing calibration verification (CCV) associated with batch 460-684093 recovered above the upper control limit for Bromoform and Carbon tetrachloride. 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 laboratory control sample duplicate (LCSD) for analytical batch 460-684093 recovered outside control limit for Carbon tetrachloride. The analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-684248 recovered above the upper control limit for 1,2,4-Trichlorobenzene and Chloromethane. The response factor for Dichlorodifluoromethane and Trichloroethene were below the

Job ID: 460-205624-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

minimum required. Trichloroethene was detected in the following sample: 152140-MW-15D (460-205624-4) and (CCVIS 460-684248/3).

Carbon tetrachloride failed the recovery criteria high for LCS 460-684093/4. Carbon tetrachloride failed the recovery criteria high for LCSD 460-684093/5. Refer to the QC report for details.

Sample 152140-MW-15D (460-205624-4)[5X] 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: 460-205624-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-DDC-4-PS — Lab Sample ID: 460-205624-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.57	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	14		1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-DDC-4-PD — Lab Sample ID: 460-205624-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	7.3		1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-MW-15S — Lab Sample ID: 460-205624-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3.1		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	0.42	J	1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-MW-15D — Lab Sample ID: 460-205624-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	1.8		1.0	0.21	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.72	J	1.0	0.22	ug/L	1		8260C	Total/NA
Trichloroethene	1.5		1.0	0.31	ug/L	1		8260C	Total/NA
Tetrachloroethene - DL	380		5.0	1.2	ug/L	5		8260C	Total/NA

Client Sample ID: 152140-MW-2AD — Lab Sample ID: 460-205624-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.6		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	18		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	4.8		1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-MW-2A — Lab Sample ID: 460-205624-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.2		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.61	J	1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-MW-5S — Lab Sample ID: 460-205624-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	1.2		1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	4.8		1.0	0.22	ug/L	1		8260C	Total/NA
Isopropylbenzene	0.34	J	1.0	0.34	ug/L	1		8260C	Total/NA
Tetrachloroethene	3.1		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	0.78	J	1.0	0.31	ug/L	1		8260C	Total/NA
Vinyl chloride	0.58	J	1.0	0.17	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-MW-5D — Lab Sample ID: 460-205624-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.32	J	1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	6.3		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	0.98	J	1.0	0.31	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: New York State D.E.C.
Job ID: 460-205624-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-MW-3D
Lab Sample ID: 460-205624-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	21		1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-MW-3S
Lab Sample ID: 460-205624-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.1		1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-MW-X
Lab Sample ID: 460-205624-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.28	J	1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	6.8		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	1.1		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: 460-205624-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-DDC-4-PS
Lab Sample ID: 460-205624-1
Date Collected: 03/18/20 09:42
Matrix: Water
Date Received: 03/18/20 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			03/27/20 05:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 05:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 05:39	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 05:39	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 05:39	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 05:39	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 05:39	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 05:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 05:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 05:39	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 05:39	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 05:39	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 05:39	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 05:39	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 05:39	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 05:39	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 05:39	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 05:39	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 05:39	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 05:39	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 05:39	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 05:39	1
Chloroform	**0.57**	**J**	1.0	0.33	ug/L			03/27/20 05:39	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 05:39	1
cis-1,2-Dichloroethene	**0.58**	**J**	1.0	0.22	ug/L			03/27/20 05:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 05:39	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 05:39	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 05:39	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 05:39	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 05:39	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 05:39	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 05:39	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/27/20 05:39	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 05:39	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 05:39	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 05:39	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 05:39	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 05:39	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 05:39	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 05:39	1
Tetrachloroethene	**14**		1.0	0.25	ug/L			03/27/20 05:39	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 05:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 05:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 05:39	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/27/20 05:39	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 05:39	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 05:39	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 05:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 05:39	1

Client Sample ID: 152140-DDC-4-PS
Lab Sample ID: 460-205624-1

Date Collected: 03/18/20 09:42
Matrix: Water
Date Received: 03/18/20 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			03/27/20 05:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*03/27/20 05:39*	*1*
4-Bromofluorobenzene	*89*		*76 - 120*		*03/27/20 05:39*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*03/27/20 05:39*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/27/20 05:39*	*1*

Client Sample ID: 152140-DDC-4-PD
Lab Sample ID: 460-205624-2

Date Collected: 03/18/20 09:20
Matrix: Water
Date Received: 03/18/20 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			03/27/20 06:04	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 06:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 06:04	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 06:04	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 06:04	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 06:04	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 06:04	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 06:04	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 06:04	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 06:04	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 06:04	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 06:04	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 06:04	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 06:04	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 06:04	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 06:04	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 06:04	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 06:04	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 06:04	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 06:04	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 06:04	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 06:04	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 06:04	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 06:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/27/20 06:04	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 06:04	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 06:04	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 06:04	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 06:04	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 06:04	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 06:04	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 06:04	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/27/20 06:04	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 06:04	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 06:04	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 06:04	1

Client Sample ID: 152140-DDC-4-PD
Lab Sample ID: 460-205624-2

Date Collected: 03/18/20 09:20
Matrix: Water
Date Received: 03/18/20 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			03/27/20 06:04	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 06:04	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 06:04	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 06:04	1
Tetrachloroethene	**7.3**		1.0	0.25	ug/L			03/27/20 06:04	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 06:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 06:04	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 06:04	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/27/20 06:04	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 06:04	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 06:04	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 06:04	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 06:04	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 06:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*03/27/20 06:04*	*1*
4-Bromofluorobenzene	*87*		*76 - 120*		*03/27/20 06:04*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 124*		*03/27/20 06:04*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/27/20 06:04*	*1*

Client Sample ID: 152140-MW-15S
Lab Sample ID: 460-205624-3

Date Collected: 03/18/20 10:38
Matrix: Water
Date Received: 03/18/20 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			03/27/20 06:29	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 06:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 06:29	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 06:29	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 06:29	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 06:29	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 06:29	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 06:29	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 06:29	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 06:29	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 06:29	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 06:29	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 06:29	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 06:29	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 06:29	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 06:29	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 06:29	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 06:29	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 06:29	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 06:29	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 06:29	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 06:29	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 06:29	1

Client Sample ID: 152140-MW-15S
Lab Sample ID: 460-205624-3
Date Collected: 03/18/20 10:38
Matrix: Water
Date Received: 03/18/20 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			03/27/20 06:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/27/20 06:29	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 06:29	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 06:29	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 06:29	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 06:29	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 06:29	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 06:29	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 06:29	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/27/20 06:29	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 06:29	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 06:29	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 06:29	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 06:29	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 06:29	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 06:29	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 06:29	1
Tetrachloroethene	**3.1**		1.0	0.25	ug/L			03/27/20 06:29	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 06:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 06:29	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 06:29	1
Trichloroethene	**0.42**	**J**	1.0	0.31	ug/L			03/27/20 06:29	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 06:29	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 06:29	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 06:29	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 06:29	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 06:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 123*		*03/27/20 06:29*	*1*
4-Bromofluorobenzene	*96*		*76 - 120*		*03/27/20 06:29*	*1*
Dibromofluoromethane (Surr)	*116*		*77 - 124*		*03/27/20 06:29*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*03/27/20 06:29*	*1*

Client Sample ID: 152140-MW-15D
Lab Sample ID: 460-205624-4
Date Collected: 03/18/20 11:00
Matrix: Water
Date Received: 03/18/20 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			03/28/20 01:51	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/28/20 01:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/28/20 01:51	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/28/20 01:51	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/28/20 01:51	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/28/20 01:51	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/28/20 01:51	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/28/20 01:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/28/20 01:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/28/20 01:51	1

Client: New York State D.E.C.
Job ID: 460-205624-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-MW-15D
Lab Sample ID: 460-205624-4
Date Collected: 03/18/20 11:00
Matrix: Water
Date Received: 03/18/20 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			03/28/20 01:51	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/28/20 01:51	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/28/20 01:51	1
Acetone	5.0	U	5.0	4.4	ug/L			03/28/20 01:51	1
Benzene	1.0	U	1.0	0.20	ug/L			03/28/20 01:51	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/28/20 01:51	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/28/20 01:51	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/28/20 01:51	1
Carbon tetrachloride	**1.8**		1.0	0.21	ug/L			03/28/20 01:51	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/28/20 01:51	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/28/20 01:51	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/28/20 01:51	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/28/20 01:51	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/28/20 01:51	1
cis-1,2-Dichloroethene	**0.72**	**J**	1.0	0.22	ug/L			03/28/20 01:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/28/20 01:51	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/28/20 01:51	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/28/20 01:51	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/28/20 01:51	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/28/20 01:51	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/28/20 01:51	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/28/20 01:51	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/28/20 01:51	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/28/20 01:51	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/28/20 01:51	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/28/20 01:51	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/28/20 01:51	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/28/20 01:51	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/28/20 01:51	1
Styrene	1.0	U	1.0	0.42	ug/L			03/28/20 01:51	1
Toluene	1.0	U	1.0	0.38	ug/L			03/28/20 01:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/28/20 01:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/28/20 01:51	1
Trichloroethene	**1.5**		1.0	0.31	ug/L			03/28/20 01:51	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/28/20 01:51	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/28/20 01:51	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/28/20 01:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/28/20 01:51	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/28/20 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*		*03/28/20 01:51*	*1*
4-Bromofluorobenzene	*92*		*76 - 120*		*03/28/20 01:51*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 124*		*03/28/20 01:51*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/28/20 01:51*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**380**		5.0	1.2	ug/L			03/27/20 18:35	5

Client Sample ID: 152140-MW-15D
Lab Sample ID: 460-205624-4

Date Collected: 03/18/20 11:00
Matrix: Water
Date Received: 03/18/20 17:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*03/27/20 18:35*	*5*
4-Bromofluorobenzene	*85*		*76 - 120*		*03/27/20 18:35*	*5*
Dibromofluoromethane (Surr)	*104*		*77 - 124*		*03/27/20 18:35*	*5*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/27/20 18:35*	*5*

Client Sample ID: 152140-MW-2AD
Lab Sample ID: 460-205624-5

Date Collected: 03/18/20 11:45
Matrix: Water
Date Received: 03/18/20 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			03/27/20 06:55	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 06:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 06:55	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 06:55	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 06:55	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 06:55	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 06:55	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 06:55	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 06:55	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 06:55	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 06:55	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 06:55	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 06:55	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 06:55	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 06:55	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 06:55	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 06:55	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 06:55	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 06:55	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 06:55	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 06:55	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 06:55	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 06:55	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 06:55	1
cis-1,2-Dichloroethene	**5.6**		1.0	0.22	ug/L			03/27/20 06:55	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 06:55	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 06:55	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 06:55	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 06:55	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 06:55	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 06:55	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 06:55	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/27/20 06:55	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 06:55	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 06:55	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 06:55	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 06:55	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 06:55	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 06:55	1

Client Sample ID: 152140-MW-2AD
Lab Sample ID: 460-205624-5
Date Collected: 03/18/20 11:45
Matrix: Water
Date Received: 03/18/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 06:55	1
Tetrachloroethene	**18**		1.0	0.25	ug/L			03/27/20 06:55	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 06:55	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 06:55	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 06:55	1
Trichloroethene	**4.8**		1.0	0.31	ug/L			03/27/20 06:55	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 06:55	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 06:55	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 06:55	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 06:55	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 06:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*03/27/20 06:55*	*1*
4-Bromofluorobenzene	*84*		*76 - 120*		*03/27/20 06:55*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*03/27/20 06:55*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*03/27/20 06:55*	*1*

Client Sample ID: 152140-MW-2A
Lab Sample ID: 460-205624-6
Date Collected: 03/18/20 12:12
Matrix: Water
Date Received: 03/18/20 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			03/27/20 07:20	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 07:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 07:20	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 07:20	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 07:20	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 07:20	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 07:20	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 07:20	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 07:20	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 07:20	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 07:20	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 07:20	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 07:20	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 07:20	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 07:20	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 07:20	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 07:20	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 07:20	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 07:20	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 07:20	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 07:20	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 07:20	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 07:20	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 07:20	1
cis-1,2-Dichloroethene	**1.2**		1.0	0.22	ug/L			03/27/20 07:20	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 07:20	1

Client Sample ID: 152140-MW-2A
Lab Sample ID: 460-205624-6

Date Collected: 03/18/20 12:12
Matrix: Water
Date Received: 03/18/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 07:20	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 07:20	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 07:20	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 07:20	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 07:20	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 07:20	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/27/20 07:20	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 07:20	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 07:20	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 07:20	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 07:20	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 07:20	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 07:20	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 07:20	1
Tetrachloroethene	**0.61**	**J**	1.0	0.25	ug/L			03/27/20 07:20	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 07:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 07:20	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 07:20	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/27/20 07:20	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 07:20	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 07:20	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 07:20	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 07:20	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 07:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*		*03/27/20 07:20*	*1*
4-Bromofluorobenzene	*86*		*76 - 120*		*03/27/20 07:20*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 124*		*03/27/20 07:20*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*03/27/20 07:20*	*1*

Client Sample ID: 152140-MW-5S
Lab Sample ID: 460-205624-7

Date Collected: 03/18/20 13:01
Matrix: Water
Date Received: 03/18/20 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			03/27/20 17:44	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 17:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 17:44	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 17:44	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 17:44	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 17:44	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 17:44	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 17:44	1
1,3-Dichlorobenzene	**1.2**		1.0	0.34	ug/L			03/27/20 17:44	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 17:44	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 17:44	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 17:44	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 17:44	1

Client Sample ID: 152140-MW-5S
Lab Sample ID: 460-205624-7

Date Collected: 03/18/20 13:01
Matrix: Water
Date Received: 03/18/20 17:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 17:44	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 17:44	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 17:44	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 17:44	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 17:44	1
Carbon tetrachloride	1.0	U *	1.0	0.21	ug/L			03/27/20 17:44	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 17:44	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 17:44	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 17:44	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 17:44	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 17:44	1
cis-1,2-Dichloroethene	**4.8**		1.0	0.22	ug/L			03/27/20 17:44	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 17:44	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 17:44	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 17:44	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 17:44	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 17:44	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 17:44	1
Isopropylbenzene	**0.34**	**J**	1.0	0.34	ug/L			03/27/20 17:44	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/27/20 17:44	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 17:44	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 17:44	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 17:44	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 17:44	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 17:44	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 17:44	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 17:44	1
Tetrachloroethene	**3.1**		1.0	0.25	ug/L			03/27/20 17:44	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 17:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 17:44	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 17:44	1
Trichloroethene	**0.78**	**J**	1.0	0.31	ug/L			03/27/20 17:44	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 17:44	1
Vinyl chloride	**0.58**	**J**	1.0	0.17	ug/L			03/27/20 17:44	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 17:44	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 17:44	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*03/27/20 17:44*	*1*
4-Bromofluorobenzene	*87*		*76 - 120*		*03/27/20 17:44*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*03/27/20 17:44*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/27/20 17:44*	*1*

Client: New York State D.E.C.
Job ID: 460-205624-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-MW-5D
Lab Sample ID: 460-205624-8
Date Collected: 03/18/20 13:22
Matrix: Water
Date Received: 03/18/20 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			03/27/20 08:11	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 08:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 08:11	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 08:11	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 08:11	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 08:11	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 08:11	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 08:11	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 08:11	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 08:11	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 08:11	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 08:11	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 08:11	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 08:11	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 08:11	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 08:11	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 08:11	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 08:11	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 08:11	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 08:11	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 08:11	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 08:11	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 08:11	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 08:11	1
cis-1,2-Dichloroethene	**0.32**	**J**	1.0	0.22	ug/L			03/27/20 08:11	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 08:11	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 08:11	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 08:11	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 08:11	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 08:11	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 08:11	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 08:11	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/27/20 08:11	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 08:11	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 08:11	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 08:11	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 08:11	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 08:11	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 08:11	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 08:11	1
Tetrachloroethene	**6.3**		1.0	0.25	ug/L			03/27/20 08:11	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 08:11	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 08:11	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 08:11	1
Trichloroethene	**0.98**	**J**	1.0	0.31	ug/L			03/27/20 08:11	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 08:11	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 08:11	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 08:11	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 08:11	1

Client Sample ID: 152140-MW-5D
Lab Sample ID: 460-205624-8

Date Collected: 03/18/20 13:22
Matrix: Water
Date Received: 03/18/20 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			03/27/20 08:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*03/27/20 08:11*	*1*
4-Bromofluorobenzene	*85*		*76 - 120*		*03/27/20 08:11*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*03/27/20 08:11*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/27/20 08:11*	*1*

Client Sample ID: 152140-MW-3D
Lab Sample ID: 460-205624-9

Date Collected: 03/18/20 14:11
Matrix: Water
Date Received: 03/18/20 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			03/27/20 08:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 08:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 08:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 08:36	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 08:36	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 08:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 08:36	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 08:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 08:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 08:36	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 08:36	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 08:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 08:36	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 08:36	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 08:36	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 08:36	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 08:36	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 08:36	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 08:36	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 08:36	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 08:36	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 08:36	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 08:36	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 08:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/27/20 08:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 08:36	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 08:36	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 08:36	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 08:36	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 08:36	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 08:36	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 08:36	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/27/20 08:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 08:36	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 08:36	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 08:36	1

Client Sample ID: 152140-MW-3D
Lab Sample ID: 460-205624-9
Date Collected: 03/18/20 14:11
Matrix: Water
Date Received: 03/18/20 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			03/27/20 08:36	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 08:36	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 08:36	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 08:36	1
Tetrachloroethene	**21**		1.0	0.25	ug/L			03/27/20 08:36	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 08:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 08:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 08:36	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/27/20 08:36	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 08:36	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 08:36	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 08:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 08:36	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 08:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 123*		*03/27/20 08:36*	*1*
4-Bromofluorobenzene	*88*		*76 - 120*		*03/27/20 08:36*	*1*
Dibromofluoromethane (Surr)	*104*		*77 - 124*		*03/27/20 08:36*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/27/20 08:36*	*1*

Client Sample ID: 152140-MW-3S
Lab Sample ID: 460-205624-10
Date Collected: 03/18/20 14:29
Matrix: Water
Date Received: 03/18/20 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			03/27/20 09:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 09:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 09:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 09:01	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 09:01	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 09:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 09:01	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 09:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 09:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 09:01	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 09:01	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 09:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 09:01	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 09:01	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 09:01	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 09:01	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 09:01	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 09:01	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 09:01	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 09:01	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 09:01	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 09:01	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 09:01	1

Client Sample ID: 152140-MW-3S
Lab Sample ID: 460-205624-10
Date Collected: 03/18/20 14:29
Matrix: Water
Date Received: 03/18/20 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			03/27/20 09:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/27/20 09:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 09:01	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 09:01	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 09:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 09:01	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 09:01	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 09:01	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 09:01	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/27/20 09:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 09:01	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 09:01	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 09:01	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 09:01	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 09:01	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 09:01	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 09:01	1
Tetrachloroethene	**1.1**		1.0	0.25	ug/L			03/27/20 09:01	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 09:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 09:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 09:01	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/27/20 09:01	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 09:01	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 09:01	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 09:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 09:01	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 09:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 123*		*03/27/20 09:01*	*1*
4-Bromofluorobenzene	*86*		*76 - 120*		*03/27/20 09:01*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*03/27/20 09:01*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/27/20 09:01*	*1*

Client Sample ID: 152140-MW-X
Lab Sample ID: 460-205624-11
Date Collected: 03/18/20 00:00
Matrix: Water
Date Received: 03/18/20 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			03/27/20 18:10	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 18:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 18:10	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 18:10	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 18:10	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 18:10	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 18:10	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 18:10	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 18:10	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 18:10	1

Client Sample ID: 152140-MW-X
Lab Sample ID: 460-205624-11

Date Collected: 03/18/20 00:00
Matrix: Water
Date Received: 03/18/20 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			03/27/20 18:10	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 18:10	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 18:10	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 18:10	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 18:10	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 18:10	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 18:10	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 18:10	1
Carbon tetrachloride	1.0	U *	1.0	0.21	ug/L			03/27/20 18:10	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 18:10	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 18:10	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 18:10	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 18:10	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 18:10	1
cis-1,2-Dichloroethene	**0.28**	**J**	1.0	0.22	ug/L			03/27/20 18:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 18:10	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 18:10	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 18:10	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 18:10	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 18:10	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 18:10	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 18:10	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/27/20 18:10	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 18:10	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 18:10	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 18:10	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 18:10	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 18:10	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 18:10	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 18:10	1
Tetrachloroethene	**6.8**		1.0	0.25	ug/L			03/27/20 18:10	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 18:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 18:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 18:10	1
Trichloroethene	**1.1**		1.0	0.31	ug/L			03/27/20 18:10	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 18:10	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 18:10	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 18:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 18:10	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 123*		*03/27/20 18:10*	*1*
4-Bromofluorobenzene	*77*		*76 - 120*		*03/27/20 18:10*	*1*
Dibromofluoromethane (Surr)	*94*		*77 - 124*		*03/27/20 18:10*	*1*
Toluene-d8 (Surr)	*85*		*80 - 120*		*03/27/20 18:10*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Job ID: 460-205624-1

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)
460-205624-1	152140-DDC-4-PS	101	89	105	96
460-205624-2	152140-DDC-4-PD	101	87	104	95
460-205624-3	152140-MW-15S	111	96	116	106
460-205624-4 - DL	152140-MW-15D	104	85	104	95
460-205624-4	152140-MW-15D	102	92	98	99
460-205624-5	152140-MW-2AD	101	84	105	93
460-205624-6	152140-MW-2A	100	86	104	93
460-205624-7	152140-MW-5S	101	87	105	95
460-205624-8	152140-MW-5D	101	85	105	94
460-205624-9	152140-MW-3D	103	88	104	94
460-205624-10	152140-MW-3S	102	86	105	96
460-205624-11	152140-MW-X	90	77	94	85
LCS 460-683987/4	Lab Control Sample	103	104	113	109
LCS 460-684093/4	Lab Control Sample	94	92	101	96
LCS 460-684248/4	Lab Control Sample	100	99	100	91
LCSD 460-683987/5	Lab Control Sample Dup	97	96	100	98
LCSD 460-684093/5	Lab Control Sample Dup	95	93	101	96
LCSD 460-684248/6	Lab Control Sample Dup	94	93	90	91
MB 460-683987/8	Method Blank	94	89	100	93
MB 460-684093/9	Method Blank	99	89	102	97
MB 460-684248/10	Method Blank	93	85	91	87

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 460-683987/8
Matrix: Water
Analysis Batch: 683987

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			03/27/20 00:35	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 00:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 00:35	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 00:35	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 00:35	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 00:35	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 00:35	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 00:35	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 00:35	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 00:35	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 00:35	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 00:35	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 00:35	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 00:35	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 00:35	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 00:35	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 00:35	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 00:35	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 00:35	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 00:35	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 00:35	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 00:35	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 00:35	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 00:35	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/27/20 00:35	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 00:35	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 00:35	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 00:35	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 00:35	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 00:35	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 00:35	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 00:35	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/27/20 00:35	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 00:35	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 00:35	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 00:35	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 00:35	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 00:35	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 00:35	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 00:35	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/27/20 00:35	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 00:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 00:35	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 00:35	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/27/20 00:35	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 00:35	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 00:35	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 00:35	1

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

Lab Sample ID: MB 460-683987/8
Matrix: Water
Analysis Batch: 683987

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			03/27/20 00:35	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 00:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 123*		*03/27/20 00:35*	*1*
4-Bromofluorobenzene	*89*		*76 - 120*		*03/27/20 00:35*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 124*		*03/27/20 00:35*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*03/27/20 00:35*	*1*

Lab Sample ID: LCS 460-683987/4
Matrix: Water
Analysis Batch: 683987

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	20.5		ug/L		102	68 - 128
1,1,2,2-Tetrachloroethane	20.0	20.6		ug/L		103	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	13.2		ug/L		66	59 - 142
1,1,2-Trichloroethane	20.0	20.0		ug/L		100	74 - 125
1,1-Dichloroethane	20.0	17.8		ug/L		89	73 - 130
1,1-Dichloroethene	20.0	17.2		ug/L		86	68 - 133
1,2,4-Trichlorobenzene	20.0	20.7		ug/L		104	64 - 132
1,2-Dichloropropane	20.0	19.2		ug/L		96	76 - 126
1,3-Dichlorobenzene	20.0	19.3		ug/L		97	80 - 121
1,4-Dichlorobenzene	20.0	19.3		ug/L		97	80 - 118
2-Butanone (MEK)	100	105		ug/L		105	69 - 128
2-Hexanone	100	105		ug/L		105	74 - 127
4-Methyl-2-pentanone (MIBK)	100	105		ug/L		105	78 - 125
Acetone	100	87.3		ug/L		87	61 - 134
Benzene	20.0	19.3		ug/L		97	78 - 126
Bromoform	20.0	27.5		ug/L		138	38 - 144
Bromomethane	20.0	12.6		ug/L		63	10 - 150
Carbon disulfide	20.0	16.9		ug/L		84	64 - 138
Carbon tetrachloride	20.0	24.2		ug/L		121	56 - 131
Chlorobenzene	20.0	19.2		ug/L		96	80 - 119
Chlorodibromomethane	20.0	23.8		ug/L		119	58 - 130
Chloroethane	20.0	16.1		ug/L		80	29 - 150
Chloroform	20.0	18.4		ug/L		92	78 - 125
Chloromethane	20.0	15.7		ug/L		79	38 - 150
cis-1,2-Dichloroethene	20.0	18.7		ug/L		94	78 - 121
cis-1,3-Dichloropropene	20.0	20.3		ug/L		102	74 - 125
Cyclohexane	20.0	16.5		ug/L		82	67 - 133
Dichlorobromomethane	20.0	21.9		ug/L		110	72 - 121
Dichlorodifluoromethane	20.0	13.7		ug/L		68	31 - 150
Ethylbenzene	20.0	18.8		ug/L		94	78 - 120
Ethylene Dibromide	20.0	20.8		ug/L		104	69 - 126
Isopropylbenzene	20.0	19.4		ug/L		97	79 - 125
Methyl acetate	40.0	38.2		ug/L		95	70 - 127
Methyl tert-butyl ether	20.0	17.2		ug/L		86	65 - 131

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

Lab Sample ID: LCS 460-683987/4
Matrix: Water
Analysis Batch: 683987

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	15.0		ug/L		75	60 - 139
Methylene Chloride	20.0	16.7		ug/L		84	74 - 127
m-Xylene & p-Xylene	20.0	18.8		ug/L		94	78 - 123
o-Xylene	20.0	18.8		ug/L		94	78 - 122
Xylenes, Total	40.0	37.7		ug/L		94	78 - 122
Styrene	20.0	19.1		ug/L		96	75 - 127
Tetrachloroethene	20.0	20.4		ug/L		102	70 - 127
Toluene	20.0	19.3		ug/L		96	78 - 119
trans-1,2-Dichloroethene	20.0	17.1		ug/L		85	74 - 126
trans-1,3-Dichloropropene	20.0	20.3		ug/L		101	66 - 127
Trichloroethene	20.0	18.8		ug/L		94	71 - 121
Trichlorofluoromethane	20.0	16.1		ug/L		80	61 - 140
Vinyl chloride	20.0	16.6		ug/L		83	61 - 144
1,2-Dichloroethane	20.0	18.7		ug/L		93	75 - 121
1,2-Dichlorobenzene	20.0	19.5		ug/L		97	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)	*103*		*75 - 123*
4-Bromofluorobenzene	*104*		*76 - 120*
Dibromofluoromethane (Surr)	*113*		*77 - 124*
Toluene-d8 (Surr)	*109*		*80 - 120*

Lab Sample ID: LCSD 460-683987/5
Matrix: Water
Analysis Batch: 683987

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	20.8		ug/L		104	68 - 128	2	30
1,1,2,2-Tetrachloroethane	20.0	21.5		ug/L		107	63 - 139	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	14.6		ug/L		73	59 - 142	10	30
1,1,2-Trichloroethane	20.0	20.3		ug/L		102	74 - 125	1	30
1,1-Dichloroethane	20.0	17.2		ug/L		86	73 - 130	3	30
1,1-Dichloroethene	20.0	17.6		ug/L		88	68 - 133	3	30
1,2,4-Trichlorobenzene	20.0	21.5		ug/L		108	64 - 132	4	30
1,2-Dichloropropane	20.0	19.2		ug/L		96	76 - 126	0	30
1,3-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 121	5	30
1,4-Dichlorobenzene	20.0	20.0		ug/L		100	80 - 118	3	30
2-Butanone (MEK)	100	105		ug/L		105	69 - 128	0	30
2-Hexanone	100	109		ug/L		109	74 - 127	4	30
4-Methyl-2-pentanone (MIBK)	100	107		ug/L		107	78 - 125	2	30
Acetone	100	90.6		ug/L		91	61 - 134	4	30
Benzene	20.0	19.4		ug/L		97	78 - 126	0	30
Bromoform	20.0	28.4		ug/L		142	38 - 144	3	30
Bromomethane	20.0	13.4		ug/L		67	10 - 150	6	30
Carbon disulfide	20.0	17.1		ug/L		86	64 - 138	2	30
Carbon tetrachloride	20.0	24.3		ug/L		122	56 - 131	0	30
Chlorobenzene	20.0	19.5		ug/L		98	80 - 119	2	30

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

Lab Sample ID: LCSD 460-683987/5
Matrix: Water
Analysis Batch: 683987

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	24.3		ug/L		121	58 - 130	2	30
Chloroethane			20.0	16.6		ug/L		83	29 - 150	3	30
Chloroform			20.0	18.8		ug/L		94	78 - 125	2	30
Chloromethane			20.0	16.0		ug/L		80	38 - 150	2	30
cis-1,2-Dichloroethene			20.0	19.3		ug/L		97	78 - 121	3	30
cis-1,3-Dichloropropene			20.0	20.7		ug/L		103	74 - 125	2	30
Cyclohexane			20.0	17.2		ug/L		86	67 - 133	4	30
Dichlorobromomethane			20.0	21.7		ug/L		109	72 - 121	1	30
Dichlorodifluoromethane			20.0	14.7		ug/L		73	31 - 150	7	30
Ethylbenzene			20.0	19.0		ug/L		95	78 - 120	1	30
Ethylene Dibromide			20.0	21.4		ug/L		107	69 - 126	2	30
Isopropylbenzene			20.0	18.9		ug/L		95	79 - 125	3	30
Methyl acetate			40.0	40.4		ug/L		101	70 - 127	6	30
Methyl tert-butyl ether			20.0	17.5		ug/L		87	65 - 131	1	30
Methylcyclohexane			20.0	15.9		ug/L		80	60 - 139	6	30
Methylene Chloride			20.0	17.2		ug/L		86	74 - 127	3	30
m-Xylene & p-Xylene			20.0	18.8		ug/L		94	78 - 123	0	30
o-Xylene			20.0	19.1		ug/L		96	78 - 122	2	30
Xylenes, Total			40.0	38.0		ug/L		95	78 - 122	1	30
Styrene			20.0	19.2		ug/L		96	75 - 127	0	30
Tetrachloroethene			20.0	20.4		ug/L		102	70 - 127	0	30
Toluene			20.0	19.3		ug/L		97	78 - 119	0	30
trans-1,2-Dichloroethene			20.0	17.5		ug/L		87	74 - 126	2	30
trans-1,3-Dichloropropene			20.0	21.2		ug/L		106	66 - 127	5	30
Trichloroethene			20.0	19.2		ug/L		96	71 - 121	2	30
Trichlorofluoromethane			20.0	16.3		ug/L		81	61 - 140	1	30
Vinyl chloride			20.0	16.7		ug/L		84	61 - 144	1	30
1,2-Dichloroethane			20.0	18.9		ug/L		94	75 - 121	1	30
1,2-Dichlorobenzene			20.0	20.3		ug/L		101	79 - 122	4	30
1,2-Dibromo-3-Chloropropane			20.0	27.7		ug/L		138	41 - 143	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*
4-Bromofluorobenzene	*96*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 124*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: MB 460-684093/9
Matrix: Water
Analysis Batch: 684093

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			03/27/20 13:30	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 13:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 13:30	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 13:30	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 13:30	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 13:30	1

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

Lab Sample ID: MB 460-684093/9
Matrix: Water
Analysis Batch: 684093

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			03/27/20 13:30	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 13:30	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 13:30	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 13:30	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 13:30	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 13:30	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 13:30	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 13:30	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 13:30	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 13:30	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 13:30	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 13:30	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 13:30	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 13:30	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 13:30	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 13:30	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 13:30	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 13:30	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/27/20 13:30	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 13:30	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 13:30	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 13:30	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 13:30	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 13:30	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 13:30	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 13:30	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/27/20 13:30	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 13:30	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 13:30	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 13:30	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 13:30	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 13:30	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 13:30	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 13:30	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/27/20 13:30	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 13:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 13:30	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 13:30	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/27/20 13:30	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 13:30	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 13:30	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 13:30	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 13:30	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 13:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*		*03/27/20 13:30*	*1*
4-Bromofluorobenzene	*89*		*76 - 120*		*03/27/20 13:30*	*1*

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

Lab Sample ID: MB 460-684093/9
Matrix: Water
Analysis Batch: 684093

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*03/27/20 13:30*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/27/20 13:30*	*1*

Lab Sample ID: LCS 460-684093/4
Matrix: Water
Analysis Batch: 684093

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	22.9		ug/L		114	68 - 128
1,1,2,2-Tetrachloroethane	20.0	21.5		ug/L		108	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.2		ug/L		106	59 - 142
1,1,2-Trichloroethane	20.0	20.1		ug/L		101	74 - 125
1,1-Dichloroethane	20.0	19.0		ug/L		95	73 - 130
1,1-Dichloroethene	20.0	20.1		ug/L		101	68 - 133
1,2,4-Trichlorobenzene	20.0	21.4		ug/L		107	64 - 132
1,2-Dichloropropane	20.0	20.1		ug/L		101	76 - 126
1,3-Dichlorobenzene	20.0	21.5		ug/L		107	80 - 121
1,4-Dichlorobenzene	20.0	20.9		ug/L		105	80 - 118
2-Butanone (MEK)	100	101		ug/L		101	69 - 128
2-Hexanone	100	102		ug/L		102	74 - 127
4-Methyl-2-pentanone (MIBK)	100	106		ug/L		106	78 - 125
Acetone	100	94.0		ug/L		94	61 - 134
Benzene	20.0	20.4		ug/L		102	78 - 126
Bromoform	20.0	27.9		ug/L		140	38 - 144
Bromomethane	20.0	14.0		ug/L		70	10 - 150
Carbon disulfide	20.0	19.1		ug/L		96	64 - 138
Carbon tetrachloride	20.0	27.3	*	ug/L		137	56 - 131
Chlorobenzene	20.0	20.3		ug/L		101	80 - 119
Chlorodibromomethane	20.0	24.8		ug/L		124	58 - 130
Chloroethane	20.0	18.5		ug/L		93	29 - 150
Chloroform	20.0	20.2		ug/L		101	78 - 125
Chloromethane	20.0	17.5		ug/L		87	38 - 150
cis-1,2-Dichloroethene	20.0	20.1		ug/L		101	78 - 121
cis-1,3-Dichloropropene	20.0	21.2		ug/L		106	74 - 125
Cyclohexane	20.0	20.6		ug/L		103	67 - 133
Dichlorobromomethane	20.0	23.4		ug/L		117	72 - 121
Dichlorodifluoromethane	20.0	19.7		ug/L		98	31 - 150
Ethylbenzene	20.0	19.6		ug/L		98	78 - 120
Ethylene Dibromide	20.0	20.8		ug/L		104	69 - 126
Isopropylbenzene	20.0	19.6		ug/L		98	79 - 125
Methyl acetate	40.0	41.6		ug/L		104	70 - 127
Methyl tert-butyl ether	20.0	17.9		ug/L		89	65 - 131
Methylcyclohexane	20.0	21.5		ug/L		108	60 - 139
Methylene Chloride	20.0	18.7		ug/L		94	74 - 127
m-Xylene & p-Xylene	20.0	18.7		ug/L		94	78 - 123
o-Xylene	20.0	18.7		ug/L		94	78 - 122
Xylenes, Total	40.0	37.4		ug/L		94	78 - 122
Styrene	20.0	20.2		ug/L		101	75 - 127

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

Lab Sample ID: LCS 460-684093/4
Matrix: Water
Analysis Batch: 684093

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	21.6		ug/L		108	70 - 127
Toluene	20.0	20.2		ug/L		101	78 - 119
trans-1,2-Dichloroethene	20.0	19.0		ug/L		95	74 - 126
trans-1,3-Dichloropropene	20.0	20.2		ug/L		101	66 - 127
Trichloroethene	20.0	19.7		ug/L		99	71 - 121
Trichlorofluoromethane	20.0	20.2		ug/L		101	61 - 140
Vinyl chloride	20.0	18.4		ug/L		92	61 - 144
1,2-Dichloroethane	20.0	19.9		ug/L		100	75 - 121
1,2-Dichlorobenzene	20.0	20.9		ug/L		105	79 - 122
1,2-Dibromo-3-Chloropropane	20.0	25.5		ug/L		128	41 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 123*
4-Bromofluorobenzene	*92*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 124*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: LCSD 460-684093/5
Matrix: Water
Analysis Batch: 684093

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	22.7		ug/L		114	68 - 128	1	30
1,1,2,2-Tetrachloroethane	20.0	21.0		ug/L		105	63 - 139	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.7		ug/L		104	59 - 142	2	30
1,1,2-Trichloroethane	20.0	20.2		ug/L		101	74 - 125	0	30
1,1-Dichloroethane	20.0	19.3		ug/L		97	73 - 130	2	30
1,1-Dichloroethene	20.0	20.0		ug/L		100	68 - 133	1	30
1,2,4-Trichlorobenzene	20.0	22.5		ug/L		113	64 - 132	5	30
1,3-Dichlorobenzene	20.0	21.4		ug/L		107	80 - 121	0	30
1,4-Dichlorobenzene	20.0	21.2		ug/L		106	80 - 118	1	30
2-Butanone (MEK)	100	101		ug/L		101	69 - 128	0	30
2-Hexanone	100	103		ug/L		103	74 - 127	1	30
4-Methyl-2-pentanone (MIBK)	100	107		ug/L		107	78 - 125	1	30
Acetone	100	95.1		ug/L		95	61 - 134	1	30
Benzene	20.0	20.7		ug/L		103	78 - 126	1	30
Bromoform	20.0	27.7		ug/L		138	38 - 144	1	30
Bromomethane	20.0	14.8		ug/L		74	10 - 150	5	30
Carbon disulfide	20.0	19.1		ug/L		95	64 - 138	0	30
Carbon tetrachloride	20.0	27.0	*	ug/L		135	56 - 131	1	30
Chlorobenzene	20.0	20.6		ug/L		103	80 - 119	2	30
Chlorodibromomethane	20.0	25.1		ug/L		125	58 - 130	1	30
Chloroethane	20.0	18.8		ug/L		94	29 - 150	2	30
Chloroform	20.0	20.4		ug/L		102	78 - 125	1	30
Chloromethane	20.0	17.7		ug/L		88	38 - 150	1	30
cis-1,2-Dichloroethene	20.0	20.0		ug/L		100	78 - 121	1	30
cis-1,3-Dichloropropene	20.0	21.4		ug/L		107	74 - 125	1	30
Cyclohexane	20.0	21.2		ug/L		106	67 - 133	3	30

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

Lab Sample ID: LCSD 460-684093/5
Matrix: Water
Analysis Batch: 684093

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
Dichlorobromomethane	20.0	23.0		ug/L		115	72 - 121	2	30
Dichlorodifluoromethane	20.0	19.7		ug/L		99	31 - 150	0	30
Ethylbenzene	20.0	19.4		ug/L		97	78 - 120	1	30
Ethylene Dibromide	20.0	21.5		ug/L		107	69 - 126	3	30
Isopropylbenzene	20.0	19.9		ug/L		99	79 - 125	2	30
Methyl acetate	40.0	40.9		ug/L		102	70 - 127	2	30
Methyl tert-butyl ether	20.0	17.9		ug/L		90	65 - 131	0	30
Methylcyclohexane	20.0	21.6		ug/L		108	60 - 139	1	30
Methylene Chloride	20.0	18.2		ug/L		91	74 - 127	3	30
m-Xylene & p-Xylene	20.0	18.9		ug/L		94	78 - 123	1	30
o-Xylene	20.0	19.4		ug/L		97	78 - 122	3	30
Xylenes, Total	40.0	38.3		ug/L		96	78 - 122	2	30
Styrene	20.0	19.8		ug/L		99	75 - 127	2	30
Tetrachloroethene	20.0	22.3		ug/L		112	70 - 127	3	30
Toluene	20.0	20.1		ug/L		100	78 - 119	1	30
trans-1,2-Dichloroethene	20.0	19.2		ug/L		96	74 - 126	1	30
trans-1,3-Dichloropropene	20.0	20.6		ug/L		103	66 - 127	2	30
Trichloroethene	20.0	20.2		ug/L		101	71 - 121	3	30
Trichlorofluoromethane	20.0	20.3		ug/L		101	61 - 140	0	30
Vinyl chloride	20.0	18.8		ug/L		94	61 - 144	2	30
1,2-Dichloroethane	20.0	19.9		ug/L		100	75 - 121	0	30
1,2-Dichlorobenzene	20.0	21.5		ug/L		108	79 - 122	3	30
1,2-Dibromo-3-Chloropropane	20.0	27.2		ug/L		136	41 - 143	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*
4-Bromofluorobenzene	*93*		*76 - 120*
Dibromofluoromethane (Surr)	*101*		*77 - 124*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: MB 460-684248/10
Matrix: Water
Analysis Batch: 684248

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			03/27/20 23:12	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 23:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 23:12	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 23:12	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 23:12	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 23:12	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 23:12	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 23:12	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 23:12	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 23:12	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 23:12	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 23:12	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 23:12	1

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

Lab Sample ID: MB 460-684248/10
Matrix: Water
Analysis Batch: 684248

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 23:12	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 23:12	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 23:12	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 23:12	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 23:12	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 23:12	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 23:12	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 23:12	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 23:12	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 23:12	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 23:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/27/20 23:12	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 23:12	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 23:12	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 23:12	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 23:12	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 23:12	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 23:12	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 23:12	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/27/20 23:12	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 23:12	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 23:12	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 23:12	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 23:12	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 23:12	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 23:12	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 23:12	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/27/20 23:12	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 23:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 23:12	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 23:12	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/27/20 23:12	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 23:12	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 23:12	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 23:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 23:12	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 23:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 123*		*03/27/20 23:12*	*1*
4-Bromofluorobenzene	*85*		*76 - 120*		*03/27/20 23:12*	*1*
Dibromofluoromethane (Surr)	*91*		*77 - 124*		*03/27/20 23:12*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*03/27/20 23:12*	*1*

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

Lab Sample ID: LCS 460-684248/4
Matrix: Water
Analysis Batch: 684248

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	21.2		ug/L		106	68 - 128
1,1,2,2-Tetrachloroethane	20.0	21.7		ug/L		108	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	23.4		ug/L		117	59 - 142
1,1,2-Trichloroethane	20.0	20.3		ug/L		101	74 - 125
1,1-Dichloroethane	20.0	21.9		ug/L		109	73 - 130
1,1-Dichloroethene	20.0	20.4		ug/L		102	68 - 133
1,2,4-Trichlorobenzene	20.0	25.4		ug/L		127	64 - 132
1,2-Dichloropropane	20.0	23.3		ug/L		116	76 - 126
1,3-Dichlorobenzene	20.0	21.5		ug/L		108	80 - 121
1,4-Dichlorobenzene	20.0	20.8		ug/L		104	80 - 118
2-Butanone (MEK)	100	90.7		ug/L		91	69 - 128
2-Hexanone	100	92.6		ug/L		93	74 - 127
4-Methyl-2-pentanone (MIBK)	100	102		ug/L		102	78 - 125
Acetone	100	88.5		ug/L		89	61 - 134
Benzene	20.0	21.1		ug/L		105	78 - 126
Bromoform	20.0	18.9		ug/L		94	38 - 144
Bromomethane	20.0	23.2		ug/L		116	10 - 150
Carbon disulfide	20.0	20.6		ug/L		103	64 - 138
Carbon tetrachloride	20.0	20.9		ug/L		104	56 - 131
Chlorobenzene	20.0	19.7		ug/L		98	80 - 119
Chlorodibromomethane	20.0	20.6		ug/L		103	58 - 130
Chloroethane	20.0	24.0		ug/L		120	29 - 150
Chloroform	20.0	20.6		ug/L		103	78 - 125
Chloromethane	20.0	24.2		ug/L		121	38 - 150
cis-1,2-Dichloroethene	20.0	21.9		ug/L		110	78 - 121
cis-1,3-Dichloropropene	20.0	21.1		ug/L		106	74 - 125
Cyclohexane	20.0	22.5		ug/L		112	67 - 133
Dichlorobromomethane	20.0	21.9		ug/L		109	72 - 121
Dichlorodifluoromethane	20.0	20.7		ug/L		103	31 - 150
Ethylbenzene	20.0	21.1		ug/L		105	78 - 120
Ethylene Dibromide	20.0	21.2		ug/L		106	69 - 126
Isopropylbenzene	20.0	20.0		ug/L		100	79 - 125
Methyl acetate	40.0	43.3		ug/L		108	70 - 127
Methyl tert-butyl ether	20.0	21.5		ug/L		107	65 - 131
Methylcyclohexane	20.0	25.2		ug/L		126	60 - 139
Methylene Chloride	20.0	20.5		ug/L		103	74 - 127
m-Xylene & p-Xylene	20.0	20.6		ug/L		103	78 - 123
o-Xylene	20.0	21.3		ug/L		107	78 - 122
Xylenes, Total	40.0	41.9		ug/L		105	78 - 122
Styrene	20.0	19.4		ug/L		97	75 - 127
Tetrachloroethene	20.0	20.2		ug/L		101	70 - 127
Toluene	20.0	20.8		ug/L		104	78 - 119
trans-1,2-Dichloroethene	20.0	20.3		ug/L		102	74 - 126
trans-1,3-Dichloropropene	20.0	20.0		ug/L		100	66 - 127
Trichloroethene	20.0	19.1		ug/L		96	71 - 121
Trichlorofluoromethane	20.0	22.6		ug/L		113	61 - 140
Vinyl chloride	20.0	26.3		ug/L		132	61 - 144
1,2-Dichloroethane	20.0	22.9		ug/L		115	75 - 121

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

Lab Sample ID: LCS 460-684248/4
Matrix: Water
Analysis Batch: 684248

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,2-Dichlorobenzene			20.0	22.3		ug/L		112	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)	*100*		*75 - 123*
4-Bromofluorobenzene	*99*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 124*
Toluene-d8 (Surr)	*91*		*80 - 120*

Lab Sample ID: LCSD 460-684248/6
Matrix: Water
Analysis Batch: 684248

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	18.6		ug/L		93	68 - 128	13	30
1,1,2,2-Tetrachloroethane			20.0	20.9		ug/L		104	63 - 139	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	20.5		ug/L		102	59 - 142	13	30
1,1,2-Trichloroethane			20.0	19.3		ug/L		97	74 - 125	5	30
1,1-Dichloroethane			20.0	20.5		ug/L		102	73 - 130	7	30
1,1-Dichloroethene			20.0	19.0		ug/L		95	68 - 133	7	30
1,2,4-Trichlorobenzene			20.0	25.2		ug/L		126	64 - 132	1	30
1,2-Dichloropropane			20.0	20.4		ug/L		102	76 - 126	13	30
1,3-Dichlorobenzene			20.0	21.9		ug/L		109	80 - 121	2	30
1,4-Dichlorobenzene			20.0	21.3		ug/L		106	80 - 118	2	30
2-Butanone (MEK)			100	87.2		ug/L		87	69 - 128	4	30
2-Hexanone			100	94.3		ug/L		94	74 - 127	2	30
4-Methyl-2-pentanone (MIBK)			100	104		ug/L		104	78 - 125	2	30
Acetone			100	91.8		ug/L		92	61 - 134	4	30
Benzene			20.0	19.3		ug/L		97	78 - 126	9	30
Bromoform			20.0	19.8		ug/L		99	38 - 144	5	30
Bromomethane			20.0	20.2		ug/L		101	10 - 150	14	30
Carbon disulfide			20.0	18.5		ug/L		93	64 - 138	11	30
Carbon tetrachloride			20.0	17.6		ug/L		88	56 - 131	17	30
Chlorobenzene			20.0	19.7		ug/L		99	80 - 119	0	30
Chlorodibromomethane			20.0	20.0		ug/L		100	58 - 130	3	30
Chloroethane			20.0	20.5		ug/L		103	29 - 150	15	30
Chloroform			20.0	19.3		ug/L		97	78 - 125	6	30
Chloromethane			20.0	21.2		ug/L		106	38 - 150	13	30
cis-1,2-Dichloroethene			20.0	20.8		ug/L		104	78 - 121	5	30
cis-1,3-Dichloropropene			20.0	19.7		ug/L		98	74 - 125	7	30
Cyclohexane			20.0	21.7		ug/L		108	67 - 133	4	30
Dichlorobromomethane			20.0	20.0		ug/L		100	72 - 121	9	30
Dichlorodifluoromethane			20.0	15.7		ug/L		78	31 - 150	27	30
Ethylbenzene			20.0	21.5		ug/L		107	78 - 120	2	30
Ethylene Dibromide			20.0	21.6		ug/L		108	69 - 126	2	30
Isopropylbenzene			20.0	19.6		ug/L		98	79 - 125	2	30
Methyl acetate			40.0	40.3		ug/L		101	70 - 127	7	30
Methyl tert-butyl ether			20.0	19.3		ug/L		96	65 - 131	11	30

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

Lab Sample ID: LCSD 460-684248/6
Matrix: Water
Analysis Batch: 684248

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
Methylcyclohexane			20.0	23.0		ug/L		115	60 - 139	9	30
Methylene Chloride			20.0	18.8		ug/L		94	74 - 127	9	30
m-Xylene & p-Xylene			20.0	19.3		ug/L		97	78 - 123	6	30
o-Xylene			20.0	19.3		ug/L		97	78 - 122	10	30
Xylenes, Total			40.0	38.6		ug/L		97	78 - 122	8	30
Styrene			20.0	19.0		ug/L		95	75 - 127	2	30
Tetrachloroethene			20.0	19.3		ug/L		96	70 - 127	5	30
Toluene			20.0	18.9		ug/L		95	78 - 119	9	30
trans-1,2-Dichloroethene			20.0	20.1		ug/L		100	74 - 126	1	30
trans-1,3-Dichloropropene			20.0	19.8		ug/L		99	66 - 127	1	30
Trichloroethene			20.0	17.9		ug/L		90	71 - 121	6	30
Trichlorofluoromethane			20.0	21.0		ug/L		105	61 - 140	8	30
Vinyl chloride			20.0	22.6		ug/L		113	61 - 144	15	30
1,2-Dichloroethane			20.0	20.5		ug/L		103	75 - 121	11	30
1,2-Dichlorobenzene			20.0	20.7		ug/L		104	79 - 122	8	30
1,2-Dibromo-3-Chloropropane			20.0	22.1		ug/L		110	41 - 143	16	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 123*
4-Bromofluorobenzene	*93*		*76 - 120*
Dibromofluoromethane (Surr)	*90*		*77 - 124*
Toluene-d8 (Surr)	*91*		*80 - 120*

QC Association Summary

Client: New York State D.E.C.
Job ID: 460-205624-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

GC/MS VOA

Analysis Batch: 683987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-205624-1	152140-DDC-4-PS	Total/NA	Water	8260C	
460-205624-2	152140-DDC-4-PD	Total/NA	Water	8260C	
460-205624-3	152140-MW-15S	Total/NA	Water	8260C	
460-205624-5	152140-MW-2AD	Total/NA	Water	8260C	
460-205624-6	152140-MW-2A	Total/NA	Water	8260C	
460-205624-8	152140-MW-5D	Total/NA	Water	8260C	
460-205624-9	152140-MW-3D	Total/NA	Water	8260C	
460-205624-10	152140-MW-3S	Total/NA	Water	8260C	
MB 460-683987/8	Method Blank	Total/NA	Water	8260C	
LCS 460-683987/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-683987/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 684093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-205624-4 - DL	152140-MW-15D	Total/NA	Water	8260C	
460-205624-7	152140-MW-5S	Total/NA	Water	8260C	
460-205624-11	152140-MW-X	Total/NA	Water	8260C	
MB 460-684093/9	Method Blank	Total/NA	Water	8260C	
LCS 460-684093/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-684093/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 684248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-205624-4	152140-MW-15D	Total/NA	Water	8260C	
MB 460-684248/10	Method Blank	Total/NA	Water	8260C	
LCS 460-684248/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-684248/6	Lab Control Sample Dup	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-205624-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-DDC-4-PS
Lab Sample ID: 460-205624-1
Date Collected: 03/18/20 09:42
Matrix: Water
Date Received: 03/18/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683987	03/27/20 05:39	AVM	TAL EDI

Client Sample ID: 152140-DDC-4-PD
Lab Sample ID: 460-205624-2
Date Collected: 03/18/20 09:20
Matrix: Water
Date Received: 03/18/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683987	03/27/20 06:04	AVM	TAL EDI

Client Sample ID: 152140-MW-15S
Lab Sample ID: 460-205624-3
Date Collected: 03/18/20 10:38
Matrix: Water
Date Received: 03/18/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683987	03/27/20 06:29	AVM	TAL EDI

Client Sample ID: 152140-MW-15D
Lab Sample ID: 460-205624-4
Date Collected: 03/18/20 11:00
Matrix: Water
Date Received: 03/18/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684248	03/28/20 01:51	MZS	TAL EDI
Total/NA	Analysis	8260C	DL	5	684093	03/27/20 18:35	EMM	TAL EDI

Client Sample ID: 152140-MW-2AD
Lab Sample ID: 460-205624-5
Date Collected: 03/18/20 11:45
Matrix: Water
Date Received: 03/18/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683987	03/27/20 06:55	AVM	TAL EDI

Client Sample ID: 152140-MW-2A
Lab Sample ID: 460-205624-6
Date Collected: 03/18/20 12:12
Matrix: Water
Date Received: 03/18/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683987	03/27/20 07:20	AVM	TAL EDI

Client Sample ID: 152140-MW-5S
Lab Sample ID: 460-205624-7
Date Collected: 03/18/20 13:01
Matrix: Water
Date Received: 03/18/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684093	03/27/20 17:44	EMM	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-205624-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-MW-5D
Lab Sample ID: 460-205624-8
Date Collected: 03/18/20 13:22
Matrix: Water
Date Received: 03/18/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683987	03/27/20 08:11	AVM	TAL EDI

Client Sample ID: 152140-MW-3D
Lab Sample ID: 460-205624-9
Date Collected: 03/18/20 14:11
Matrix: Water
Date Received: 03/18/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683987	03/27/20 08:36	AVM	TAL EDI

Client Sample ID: 152140-MW-3S
Lab Sample ID: 460-205624-10
Date Collected: 03/18/20 14:29
Matrix: Water
Date Received: 03/18/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683987	03/27/20 09:01	AVM	TAL EDI

Client Sample ID: 152140-MW-X
Lab Sample ID: 460-205624-11
Date Collected: 03/18/20 00:00
Matrix: Water
Date Received: 03/18/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684093	03/27/20 18:10	EMM	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: 460-205624-1
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	04-01-20
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: 460-205624-1
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: 460-205624-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-205624-1	152140-DDC-4-PS	Water	03/18/20 09:42	03/18/20 17:30	
460-205624-2	152140-DDC-4-PD	Water	03/18/20 09:20	03/18/20 17:30	
460-205624-3	152140-MW-15S	Water	03/18/20 10:38	03/18/20 17:30	
460-205624-4	152140-MW-15D	Water	03/18/20 11:00	03/18/20 17:30	
460-205624-5	152140-MW-2AD	Water	03/18/20 11:45	03/18/20 17:30	
460-205624-6	152140-MW-2A	Water	03/18/20 12:12	03/18/20 17:30	
460-205624-7	152140-MW-5S	Water	03/18/20 13:01	03/18/20 17:30	
460-205624-8	152140-MW-5D	Water	03/18/20 13:22	03/18/20 17:30	
460-205624-9	152140-MW-3D	Water	03/18/20 14:11	03/18/20 17:30	
460-205624-10	152140-MW-3S	Water	03/18/20 14:29	03/18/20 17:30	
460-205624-11	152140-MW-X	Water	03/18/20 00:00	03/18/20 17:30	

Chain of Custody Record

401431 eurofins | Environment Testing TestAmerica

NYC 222 TA-8210

Address: ______

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	
Company Name:	EAR
Address:	225 Atlantic Ave.
City/State/Zip:	Patchogue, N.Y. 11772
Phone:	(631) 447-6400
Fax:	
Project Name:	DEC-Farmingdale/Adams
Site:	
P O #	

Project Manager: Ian Hofmann
Tel/Email: (631) 447-6400

Analysis Turnaround Time
☐ CALENDAR DAYS ☐ WORKING DAYS
TAT if different from Below: 10-Day
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

Site Contact: | Date:
Lab Contact: | Carrier:

COC No: ___ of ___ COCs
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.: 205624

460-205624 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)	EPA 8260B	Sample Specific Notes:
152140-DDC-4-PS	3/18/20	9:42	G	AQ	3			3	1
152140-DDC-4-PD	↓	9:20	↓	↓	↓			↓	2
152140-MW-15S	↓	10:38	↓	↓	↓			↓	3
152140-MW-15D	↓	11:00	↓	↓	↓			↓	4
152140-MW-2AD	↓	11:45	↓	↓	↓			↓	5
152140-MW-2A	↓	12:12	↓	↓	↓			↓	6
152140-MW-5S	↓	13:01	↓	↓	↓			↓	7
152140-MW-5D	↓	13:22	↓	↓	↓			↓	8
152140-MW-3D	↓	14:11	↓	↓	↓			↓	9
152140-MW-3S	↓	14:29	↓	↓	↓			↓	10
152140-MW-X	↓	—	↓	↓	↓			↓	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
[signature]	EAR	3/18/20 15:30	EAR Fridge	EAR	3/18/20 15:30
William A Vigliotta from EAR fridge	EAR	3-19-20 [illegible]	[signature]	[illegible]	3/19/20 1300
[signature]	[illegible]	3/19/20 15:00	Received in Laboratory by: [signature]	[illegible]	3/19/20 1600

Konrad 3-19-20 17:20 3.5 IR 11 [signature] TAED 3/18/20 1730

3/31/2020

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Page ____ of ____

Job Number: 205624

Number of Coolers: 1 IR Gun # 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.5 °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.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: kamal **Date:** 3-9-20

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 460-205624-1

Login Number: 205624 **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	

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-205625-1
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:
3/27/2020 4:16:18 PM

Julie Gilmore, Project Manager I
(484)685-0865
julie.gilmore@testamericainc.com

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
3/27/2020 4:16:18 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 460-205625-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD 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)
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: 460-205625-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC - EASTFARMINGDALE1 SITE:152140

Report Number: 460-205625-1

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 03/19/2020; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.5 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 152140-DDC-5-PD (460-205625-1), 152140-DDC-6-PD (460-205625-2), 152140-DDC-6-PS (460-205625-3), 152140-DDC-5-PS (460-205625-4), 152140-DDC-08-PS (460-205625-5), 152140-DDC-X (460-205625-6), 152140-DDC-7-PS (460-205625-7), 152140-DDC-7-PD (460-205625-8), 152140-MW-3S(offsite) (460-205625-9), 152140-MW-3D(office) (460-205625-10) and 152140-DDC-08-PD (460-205625-11) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 03/27/2020.

The continuing calibration verification (CCV) analyzed in batch 460-683956 was outside the method criteria for the following analytes: Dichlorodifluoromethane (bias low) and Methyl acetate (bias high). 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.

The laboratory control sample (LCS) for analytical batch 460-683956 recovered outside control limit for Methyl acetate. The analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Methyl acetate failed the recovery criteria high for LCS 460-683956/4. Refer to the QC report for details.

Methyl acetate failed the recovery criteria high for the MSD of sample 460-205394-3 in batch 460-683956.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

Job ID: 460-205625-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

All other quality control parameters were within the acceptance limits.

Detection Summary

Client: New York State D.E.C.
Job ID: 460-205625-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-DDC-5-PD
Lab Sample ID: 460-205625-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	0.35	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	4.4		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: 152140-DDC-6-PD
Lab Sample ID: 460-205625-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.6		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	1.2		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	0.77	J	1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-DDC-6-PS
Lab Sample ID: 460-205625-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6.2		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.50	J	1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	0.58	J	1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-DDC-5-PS
Lab Sample ID: 460-205625-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	0.35	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	4.5		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.76	J	1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-DDC-08-PS
Lab Sample ID: 460-205625-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	0.35	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	4.2		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.34	J	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: 152140-DDC-X
Lab Sample ID: 460-205625-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.3		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.29	J	1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	0.34	J	1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-DDC-7-PS
Lab Sample ID: 460-205625-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5.2		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.69	J	1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	0.61	J	1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-DDC-7-PD
Lab Sample ID: 460-205625-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.6		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	3.4		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	1.9		1.0	0.31	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: New York State D.E.C.
Job ID: 460-205625-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-MW-3S(offsite) — Lab Sample ID: 460-205625-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	0.41	J	1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-MW-3D(office) — Lab Sample ID: 460-205625-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	0.35	J	1.0	0.34	ug/L	1		8260C	Total/NA
Chloroform	0.54	J	1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	83		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	30		1.0	0.25	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	0.82	J	1.0	0.24	ug/L	1		8260C	Total/NA
Trichloroethene	30		1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-DDC-08-PD — Lab Sample ID: 460-205625-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.7		1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.51	J	1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	0.52	J	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: 460-205625-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-DDC-5-PD
Lab Sample ID: 460-205625-1
Date Collected: 03/18/20 10:07
Matrix: Water
Date Received: 03/19/20 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			03/27/20 01:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 01:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 01:23	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 01:23	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 01:23	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 01:23	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 01:23	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 01:23	1
1,3-Dichlorobenzene	**0.35**	**J**	1.0	0.34	ug/L			03/27/20 01:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 01:23	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 01:23	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 01:23	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 01:23	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 01:23	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 01:23	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 01:23	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 01:23	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 01:23	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 01:23	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 01:23	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 01:23	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 01:23	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 01:23	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 01:23	1
cis-1,2-Dichloroethene	**4.4**		1.0	0.22	ug/L			03/27/20 01:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 01:23	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 01:23	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 01:23	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 01:23	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 01:23	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 01:23	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 01:23	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			03/27/20 01:23	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 01:23	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 01:23	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 01:23	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 01:23	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 01:23	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 01:23	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 01:23	1
Tetrachloroethene	**1.1**		1.0	0.25	ug/L			03/27/20 01:23	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 01:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 01:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 01:23	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/27/20 01:23	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 01:23	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 01:23	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 01:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 01:23	1

Client Sample ID: 152140-DDC-5-PD
Lab Sample ID: 460-205625-1
Date Collected: 03/18/20 10:07
Matrix: Water
Date Received: 03/19/20 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			03/27/20 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*		*03/27/20 01:23*	*1*
4-Bromofluorobenzene	*98*		*76 - 120*		*03/27/20 01:23*	*1*
Dibromofluoromethane (Surr)	*97*		*77 - 124*		*03/27/20 01:23*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/27/20 01:23*	*1*

Client Sample ID: 152140-DDC-6-PD
Lab Sample ID: 460-205625-2
Date Collected: 03/18/20 10:47
Matrix: Water
Date Received: 03/19/20 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			03/27/20 01:47	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 01:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 01:47	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 01:47	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 01:47	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 01:47	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 01:47	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 01:47	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 01:47	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 01:47	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 01:47	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 01:47	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 01:47	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 01:47	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 01:47	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 01:47	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 01:47	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 01:47	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 01:47	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 01:47	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 01:47	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 01:47	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 01:47	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 01:47	1
cis-1,2-Dichloroethene	**6.6**		1.0	0.22	ug/L			03/27/20 01:47	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 01:47	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 01:47	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 01:47	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 01:47	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 01:47	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 01:47	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 01:47	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			03/27/20 01:47	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 01:47	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 01:47	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 01:47	1

Client Sample ID: 152140-DDC-6-PD
Lab Sample ID: 460-205625-2
Date Collected: 03/18/20 10:47
Matrix: Water
Date Received: 03/19/20 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			03/27/20 01:47	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 01:47	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 01:47	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 01:47	1
Tetrachloroethene	**1.2**		1.0	0.25	ug/L			03/27/20 01:47	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 01:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 01:47	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 01:47	1
Trichloroethene	**0.77**	**J**	1.0	0.31	ug/L			03/27/20 01:47	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 01:47	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 01:47	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 01:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 01:47	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*		*03/27/20 01:47*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*03/27/20 01:47*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*03/27/20 01:47*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/27/20 01:47*	*1*

Client Sample ID: 152140-DDC-6-PS
Lab Sample ID: 460-205625-3
Date Collected: 03/18/20 10:30
Matrix: Water
Date Received: 03/19/20 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			03/27/20 02:12	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 02:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 02:12	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 02:12	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 02:12	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 02:12	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 02:12	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 02:12	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 02:12	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 02:12	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 02:12	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 02:12	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 02:12	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 02:12	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 02:12	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 02:12	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 02:12	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 02:12	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 02:12	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 02:12	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 02:12	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 02:12	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 02:12	1

Client Sample ID: 152140-DDC-6-PS
Lab Sample ID: 460-205625-3
Date Collected: 03/18/20 10:30
Matrix: Water
Date Received: 03/19/20 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			03/27/20 02:12	1
cis-1,2-Dichloroethene	**6.2**		1.0	0.22	ug/L			03/27/20 02:12	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 02:12	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 02:12	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 02:12	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 02:12	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 02:12	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 02:12	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 02:12	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			03/27/20 02:12	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 02:12	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 02:12	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 02:12	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 02:12	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 02:12	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 02:12	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 02:12	1
Tetrachloroethene	**0.50**	**J**	1.0	0.25	ug/L			03/27/20 02:12	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 02:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 02:12	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 02:12	1
Trichloroethene	**0.58**	**J**	1.0	0.31	ug/L			03/27/20 02:12	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 02:12	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 02:12	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 02:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 02:12	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 123*		*03/27/20 02:12*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*03/27/20 02:12*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*03/27/20 02:12*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/27/20 02:12*	*1*

Client Sample ID: 152140-DDC-5-PS
Lab Sample ID: 460-205625-4
Date Collected: 03/18/20 09:47
Matrix: Water
Date Received: 03/19/20 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			03/27/20 02:35	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 02:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 02:35	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 02:35	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 02:35	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 02:35	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 02:35	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 02:35	1
1,3-Dichlorobenzene	**0.35**	**J**	1.0	0.34	ug/L			03/27/20 02:35	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 02:35	1

Client: New York State D.E.C.
Job ID: 460-205625-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-DDC-5-PS
Lab Sample ID: 460-205625-4
Date Collected: 03/18/20 09:47
Matrix: Water
Date Received: 03/19/20 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			03/27/20 02:35	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 02:35	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 02:35	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 02:35	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 02:35	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 02:35	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 02:35	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 02:35	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 02:35	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 02:35	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 02:35	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 02:35	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 02:35	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 02:35	1
cis-1,2-Dichloroethene	**4.5**		1.0	0.22	ug/L			03/27/20 02:35	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 02:35	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 02:35	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 02:35	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 02:35	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 02:35	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 02:35	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 02:35	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			03/27/20 02:35	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 02:35	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 02:35	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 02:35	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 02:35	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 02:35	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 02:35	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 02:35	1
Tetrachloroethene	**0.76**	**J**	1.0	0.25	ug/L			03/27/20 02:35	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 02:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 02:35	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 02:35	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/27/20 02:35	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 02:35	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 02:35	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 02:35	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 02:35	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*03/27/20 02:35*	*1*
4-Bromofluorobenzene	*110*		*76 - 120*		*03/27/20 02:35*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*03/27/20 02:35*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*03/27/20 02:35*	*1*

Client: New York State D.E.C.
Job ID: 460-205625-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-DDC-08-PS
Lab Sample ID: 460-205625-5
Date Collected: 03/18/20 13:15
Matrix: Water
Date Received: 03/19/20 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			03/27/20 03:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 03:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 03:00	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 03:00	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 03:00	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 03:00	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 03:00	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 03:00	1
1,3-Dichlorobenzene	**0.35**	**J**	1.0	0.34	ug/L			03/27/20 03:00	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 03:00	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 03:00	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 03:00	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 03:00	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 03:00	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 03:00	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 03:00	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 03:00	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 03:00	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 03:00	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 03:00	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 03:00	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 03:00	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 03:00	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 03:00	1
cis-1,2-Dichloroethene	**4.2**		1.0	0.22	ug/L			03/27/20 03:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 03:00	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 03:00	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 03:00	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 03:00	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 03:00	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 03:00	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 03:00	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			03/27/20 03:00	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 03:00	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 03:00	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 03:00	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 03:00	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 03:00	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 03:00	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 03:00	1
Tetrachloroethene	**0.34**	**J**	1.0	0.25	ug/L			03/27/20 03:00	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 03:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 03:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 03:00	1
Trichloroethene	**0.35**	**J**	1.0	0.31	ug/L			03/27/20 03:00	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 03:00	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 03:00	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 03:00	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 03:00	1

Client Sample ID: 152140-DDC-08-PS
Lab Sample ID: 460-205625-5

Date Collected: 03/18/20 13:15
Matrix: Water
Date Received: 03/19/20 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			03/27/20 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 123*		*03/27/20 03:00*	*1*
4-Bromofluorobenzene	*99*		*76 - 120*		*03/27/20 03:00*	*1*
Dibromofluoromethane (Surr)	*94*		*77 - 124*		*03/27/20 03:00*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*03/27/20 03:00*	*1*

Client Sample ID: 152140-DDC-X
Lab Sample ID: 460-205625-6

Date Collected: 03/18/20 00:00
Matrix: Water
Date Received: 03/19/20 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			03/27/20 03:24	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 03:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 03:24	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 03:24	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 03:24	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 03:24	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 03:24	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 03:24	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 03:24	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 03:24	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 03:24	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 03:24	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 03:24	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 03:24	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 03:24	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 03:24	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 03:24	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 03:24	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 03:24	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 03:24	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 03:24	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 03:24	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 03:24	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 03:24	1
cis-1,2-Dichloroethene	**4.3**		1.0	0.22	ug/L			03/27/20 03:24	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 03:24	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 03:24	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 03:24	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 03:24	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 03:24	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 03:24	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 03:24	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			03/27/20 03:24	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 03:24	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 03:24	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 03:24	1

Client Sample ID: 152140-DDC-X
Lab Sample ID: 460-205625-6
Date Collected: 03/18/20 00:00
Matrix: Water
Date Received: 03/19/20 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			03/27/20 03:24	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 03:24	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 03:24	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 03:24	1
Tetrachloroethene	**0.29**	**J**	1.0	0.25	ug/L			03/27/20 03:24	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 03:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 03:24	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 03:24	1
Trichloroethene	**0.34**	**J**	1.0	0.31	ug/L			03/27/20 03:24	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 03:24	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 03:24	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 03:24	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 03:24	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 03:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*		*03/27/20 03:24*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*03/27/20 03:24*	*1*
Dibromofluoromethane (Surr)	*97*		*77 - 124*		*03/27/20 03:24*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/27/20 03:24*	*1*

Client Sample ID: 152140-DDC-7-PS
Lab Sample ID: 460-205625-7
Date Collected: 03/18/20 12:17
Matrix: Water
Date Received: 03/19/20 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			03/27/20 03:47	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 03:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 03:47	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 03:47	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 03:47	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 03:47	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 03:47	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 03:47	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 03:47	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 03:47	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 03:47	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 03:47	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 03:47	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 03:47	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 03:47	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 03:47	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 03:47	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 03:47	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 03:47	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 03:47	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 03:47	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 03:47	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 03:47	1

Client Sample ID: 152140-DDC-7-PS
Lab Sample ID: 460-205625-7
Date Collected: 03/18/20 12:17
Matrix: Water
Date Received: 03/19/20 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			03/27/20 03:47	1
cis-1,2-Dichloroethene	**5.2**		1.0	0.22	ug/L			03/27/20 03:47	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 03:47	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 03:47	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 03:47	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 03:47	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 03:47	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 03:47	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 03:47	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			03/27/20 03:47	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 03:47	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 03:47	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 03:47	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 03:47	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 03:47	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 03:47	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 03:47	1
Tetrachloroethene	**0.69**	**J**	1.0	0.25	ug/L			03/27/20 03:47	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 03:47	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 03:47	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 03:47	1
Trichloroethene	**0.61**	**J**	1.0	0.31	ug/L			03/27/20 03:47	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 03:47	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 03:47	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 03:47	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 03:47	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*		*03/27/20 03:47*	*1*
4-Bromofluorobenzene	*100*		*76 - 120*		*03/27/20 03:47*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 124*		*03/27/20 03:47*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/27/20 03:47*	*1*

Client Sample ID: 152140-DDC-7-PD
Lab Sample ID: 460-205625-8
Date Collected: 03/18/20 12:37
Matrix: Water
Date Received: 03/19/20 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			03/27/20 04:12	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 04:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 04:12	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 04:12	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 04:12	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 04:12	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 04:12	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 04:12	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 04:12	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 04:12	1

Client: New York State D.E.C.
Job ID: 460-205625-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-DDC-7-PD
Lab Sample ID: 460-205625-8
Date Collected: 03/18/20 12:37
Matrix: Water
Date Received: 03/19/20 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			03/27/20 04:12	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 04:12	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 04:12	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 04:12	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 04:12	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 04:12	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 04:12	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 04:12	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 04:12	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 04:12	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 04:12	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 04:12	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 04:12	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 04:12	1
cis-1,2-Dichloroethene	**4.6**		1.0	0.22	ug/L			03/27/20 04:12	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 04:12	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 04:12	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 04:12	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 04:12	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 04:12	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 04:12	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 04:12	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			03/27/20 04:12	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 04:12	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 04:12	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 04:12	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 04:12	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 04:12	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 04:12	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 04:12	1
Tetrachloroethene	**3.4**		1.0	0.25	ug/L			03/27/20 04:12	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 04:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 04:12	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 04:12	1
Trichloroethene	**1.9**		1.0	0.31	ug/L			03/27/20 04:12	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 04:12	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 04:12	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 04:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 04:12	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*		*03/27/20 04:12*	*1*
4-Bromofluorobenzene	*108*		*76 - 120*		*03/27/20 04:12*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*03/27/20 04:12*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/27/20 04:12*	*1*

Client: New York State D.E.C.
Job ID: 460-205625-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-MW-3S(offsite)
Lab Sample ID: 460-205625-9
Date Collected: 03/18/20 11:15
Matrix: Water
Date Received: 03/19/20 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			03/27/20 04:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 04:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 04:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 04:36	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 04:36	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 04:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 04:36	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 04:36	1
1,3-Dichlorobenzene	**0.41**	**J**	1.0	0.34	ug/L			03/27/20 04:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 04:36	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 04:36	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 04:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 04:36	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 04:36	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 04:36	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 04:36	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 04:36	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 04:36	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 04:36	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 04:36	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 04:36	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 04:36	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 04:36	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 04:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/27/20 04:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 04:36	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 04:36	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 04:36	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 04:36	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 04:36	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 04:36	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 04:36	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			03/27/20 04:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 04:36	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 04:36	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 04:36	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 04:36	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 04:36	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 04:36	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 04:36	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/27/20 04:36	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 04:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 04:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 04:36	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/27/20 04:36	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 04:36	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 04:36	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 04:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 04:36	1

Client Sample ID: 152140-MW-3S(offsite)
Lab Sample ID: 460-205625-9
Date Collected: 03/18/20 11:15
Matrix: Water
Date Received: 03/19/20 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			03/27/20 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*		*03/27/20 04:36*	*1*
4-Bromofluorobenzene	*99*		*76 - 120*		*03/27/20 04:36*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 124*		*03/27/20 04:36*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/27/20 04:36*	*1*

Client Sample ID: 152140-MW-3D(office)
Lab Sample ID: 460-205625-10
Date Collected: 03/18/20 11:34
Matrix: Water
Date Received: 03/19/20 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			03/27/20 05:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 05:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 05:00	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 05:00	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 05:00	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 05:00	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 05:00	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 05:00	1
1,3-Dichlorobenzene	**0.35**	**J**	1.0	0.34	ug/L			03/27/20 05:00	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 05:00	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 05:00	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 05:00	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 05:00	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 05:00	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 05:00	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 05:00	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 05:00	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 05:00	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 05:00	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 05:00	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 05:00	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 05:00	1
Chloroform	**0.54**	**J**	1.0	0.33	ug/L			03/27/20 05:00	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/27/20 05:00	1
cis-1,2-Dichloroethene	**83**		1.0	0.22	ug/L			03/27/20 05:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 05:00	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 05:00	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 05:00	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 05:00	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 05:00	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 05:00	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 05:00	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			03/27/20 05:00	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 05:00	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 05:00	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 05:00	1

Client Sample ID: 152140-MW-3D(office)
Lab Sample ID: 460-205625-10

Date Collected: 03/18/20 11:34
Matrix: Water
Date Received: 03/19/20 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			03/27/20 05:00	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 05:00	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 05:00	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 05:00	1
Tetrachloroethene	**30**		1.0	0.25	ug/L			03/27/20 05:00	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 05:00	1
trans-1,2-Dichloroethene	**0.82**	**J**	1.0	0.24	ug/L			03/27/20 05:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 05:00	1
Trichloroethene	**30**		1.0	0.31	ug/L			03/27/20 05:00	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 05:00	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 05:00	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 05:00	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 05:00	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 05:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*03/27/20 05:00*	*1*
4-Bromofluorobenzene	*102*		*76 - 120*		*03/27/20 05:00*	*1*
Dibromofluoromethane (Surr)	*102*		*77 - 124*		*03/27/20 05:00*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/27/20 05:00*	*1*

Client Sample ID: 152140-DDC-08-PD
Lab Sample ID: 460-205625-11

Date Collected: 03/18/20 13:35
Matrix: Water
Date Received: 03/19/20 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			03/27/20 05:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/27/20 05:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/27/20 05:25	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 05:25	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/27/20 05:25	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/27/20 05:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/27/20 05:25	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/27/20 05:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/27/20 05:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/27/20 05:25	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/27/20 05:25	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/27/20 05:25	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/27/20 05:25	1
Acetone	5.0	U	5.0	4.4	ug/L			03/27/20 05:25	1
Benzene	1.0	U	1.0	0.20	ug/L			03/27/20 05:25	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/27/20 05:25	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/27/20 05:25	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/27/20 05:25	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/27/20 05:25	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/27/20 05:25	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/27/20 05:25	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/27/20 05:25	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/27/20 05:25	1

Client Sample ID: 152140-DDC-08-PD
Lab Sample ID: 460-205625-11
Date Collected: 03/18/20 13:35
Matrix: Water
Date Received: 03/19/20 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			03/27/20 05:25	1
cis-1,2-Dichloroethene	**3.7**		1.0	0.22	ug/L			03/27/20 05:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/27/20 05:25	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/27/20 05:25	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/27/20 05:25	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/27/20 05:25	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/27/20 05:25	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/27/20 05:25	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/27/20 05:25	1
Methyl acetate	5.0	U *	5.0	0.79	ug/L			03/27/20 05:25	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/27/20 05:25	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/27/20 05:25	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/27/20 05:25	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/27/20 05:25	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/27/20 05:25	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/27/20 05:25	1
Styrene	1.0	U	1.0	0.42	ug/L			03/27/20 05:25	1
Tetrachloroethene	**0.51**	**J**	1.0	0.25	ug/L			03/27/20 05:25	1
Toluene	1.0	U	1.0	0.38	ug/L			03/27/20 05:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/27/20 05:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/27/20 05:25	1
Trichloroethene	**0.52**	**J**	1.0	0.31	ug/L			03/27/20 05:25	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/27/20 05:25	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/27/20 05:25	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/27/20 05:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/27/20 05:25	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/27/20 05:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 123*		*03/27/20 05:25*	*1*
4-Bromofluorobenzene	*100*		*76 - 120*		*03/27/20 05:25*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 124*		*03/27/20 05:25*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/27/20 05:25*	*1*

Surrogate Summary

Client: New York State D.E.C.
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Job ID: 460-205625-1

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)
460-205625-1	152140-DDC-5-PD	99	98	97	94
460-205625-2	152140-DDC-6-PD	100	101	99	98
460-205625-3	152140-DDC-6-PS	98	101	99	96
460-205625-4	152140-DDC-5-PS	104	110	105	103
460-205625-5	152140-DDC-08-PS	91	99	94	91
460-205625-6	152140-DDC-X	100	101	97	97
460-205625-7	152140-DDC-7-PS	99	100	98	96
460-205625-8	152140-DDC-7-PD	99	108	103	98
460-205625-9	152140-MW-3S(offsite)	100	99	99	95
460-205625-10	152140-MW-3D(office)	101	102	102	99
460-205625-11	152140-DDC-08-PD	97	100	98	95
LCS 460-683956/4	Lab Control Sample	95	100	97	96
MB 460-683956/10	Method Blank	101	109	103	100

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 460-683956/10
Matrix: Water
Analysis Batch: 683956

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			03/26/20 22:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/26/20 22:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/26/20 22:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/26/20 22:36	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/26/20 22:36	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/26/20 22:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/26/20 22:36	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/26/20 22:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/26/20 22:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/26/20 22:36	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/26/20 22:36	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/26/20 22:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/26/20 22:36	1
Acetone	5.0	U	5.0	4.4	ug/L			03/26/20 22:36	1
Benzene	1.0	U	1.0	0.20	ug/L			03/26/20 22:36	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/26/20 22:36	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/26/20 22:36	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/26/20 22:36	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/26/20 22:36	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/26/20 22:36	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/26/20 22:36	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/26/20 22:36	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/26/20 22:36	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/26/20 22:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/26/20 22:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/26/20 22:36	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/26/20 22:36	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/26/20 22:36	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/26/20 22:36	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/26/20 22:36	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/26/20 22:36	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/26/20 22:36	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/26/20 22:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/26/20 22:36	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/26/20 22:36	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/26/20 22:36	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/26/20 22:36	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/26/20 22:36	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/26/20 22:36	1
Styrene	1.0	U	1.0	0.42	ug/L			03/26/20 22:36	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/26/20 22:36	1
Toluene	1.0	U	1.0	0.38	ug/L			03/26/20 22:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/26/20 22:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/26/20 22:36	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/26/20 22:36	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/26/20 22:36	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/26/20 22:36	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/26/20 22:36	1

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

Lab Sample ID: MB 460-683956/10
Matrix: Water
Analysis Batch: 683956

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			03/26/20 22:36	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/26/20 22:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*03/26/20 22:36*	*1*
4-Bromofluorobenzene	*109*		*76 - 120*		*03/26/20 22:36*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*03/26/20 22:36*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/26/20 22:36*	*1*

Lab Sample ID: LCS 460-683956/4
Matrix: Water
Analysis Batch: 683956

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	20.0		ug/L		100	68 - 128
1,1,2,2-Tetrachloroethane	20.0	21.1		ug/L		105	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.9		ug/L		105	59 - 142
1,1,2-Trichloroethane	20.0	20.1		ug/L		101	74 - 125
1,1-Dichloroethane	20.0	20.8		ug/L		104	73 - 130
1,1-Dichloroethene	20.0	21.5		ug/L		107	68 - 133
1,2,4-Trichlorobenzene	20.0	21.8		ug/L		109	64 - 132
1,2-Dichloropropane	20.0	20.3		ug/L		102	76 - 126
1,3-Dichlorobenzene	20.0	21.1		ug/L		106	80 - 121
1,4-Dichlorobenzene	20.0	21.5		ug/L		107	80 - 118
2-Butanone (MEK)	100	95.1		ug/L		95	69 - 128
2-Hexanone	100	108		ug/L		108	74 - 127
4-Methyl-2-pentanone (MIBK)	100	113		ug/L		113	78 - 125
Acetone	100	93.2		ug/L		93	61 - 134
Benzene	20.0	21.1		ug/L		106	78 - 126
Bromoform	20.0	19.7		ug/L		98	38 - 144
Bromomethane	20.0	20.3		ug/L		101	10 - 150
Carbon disulfide	20.0	21.4		ug/L		107	64 - 138
Carbon tetrachloride	20.0	20.6		ug/L		103	56 - 131
Chlorobenzene	20.0	20.7		ug/L		104	80 - 119
Chlorodibromomethane	20.0	20.1		ug/L		100	58 - 130
Chloroethane	20.0	21.5		ug/L		107	29 - 150
Chloroform	20.0	20.8		ug/L		104	78 - 125
Chloromethane	20.0	20.4		ug/L		102	38 - 150
cis-1,2-Dichloroethene	20.0	20.4		ug/L		102	78 - 121
cis-1,3-Dichloropropene	20.0	20.8		ug/L		104	74 - 125
Cyclohexane	20.0	21.4		ug/L		107	67 - 133
Dichlorobromomethane	20.0	19.7		ug/L		98	72 - 121
Dichlorodifluoromethane	20.0	13.9		ug/L		69	31 - 150
Ethylbenzene	20.0	20.9		ug/L		104	78 - 120
Ethylene Dibromide	20.0	20.4		ug/L		102	69 - 126
Isopropylbenzene	20.0	22.2		ug/L		111	79 - 125
Methyl acetate	40.0	53.3	*	ug/L		133	70 - 127
Methyl tert-butyl ether	20.0	22.1		ug/L		111	65 - 131

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

Lab Sample ID: LCS 460-683956/4
Matrix: Water
Analysis Batch: 683956

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	20.4		ug/L		102	60 - 139
Methylene Chloride	20.0	21.1		ug/L		106	74 - 127
m-Xylene & p-Xylene	20.0	20.7		ug/L		103	78 - 123
o-Xylene	20.0	21.1		ug/L		105	78 - 122
Xylenes, Total	40.0	41.8		ug/L		104	78 - 122
Styrene	20.0	21.2		ug/L		106	75 - 127
Tetrachloroethene	20.0	21.1		ug/L		105	70 - 127
Toluene	20.0	20.8		ug/L		104	78 - 119
trans-1,2-Dichloroethene	20.0	20.2		ug/L		101	74 - 126
trans-1,3-Dichloropropene	20.0	20.4		ug/L		102	66 - 127
Trichloroethene	20.0	19.7		ug/L		99	71 - 121
Trichlorofluoromethane	20.0	21.2		ug/L		106	61 - 140
Vinyl chloride	20.0	20.7		ug/L		103	61 - 144
1,2-Dichloroethane	20.0	20.8		ug/L		104	75 - 121
1,2-Dichlorobenzene	20.0	21.3		ug/L		107	79 - 122
1,2-Dibromo-3-Chloropropane	20.0	22.0		ug/L		110	41 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*
4-Bromofluorobenzene	*100*		*76 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 124*
Toluene-d8 (Surr)	*96*		*80 - 120*

QC Association Summary

Client: New York State D.E.C.
Job ID: 460-205625-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

GC/MS VOA

Analysis Batch: 683956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-205625-1	152140-DDC-5-PD	Total/NA	Water	8260C	
460-205625-2	152140-DDC-6-PD	Total/NA	Water	8260C	
460-205625-3	152140-DDC-6-PS	Total/NA	Water	8260C	
460-205625-4	152140-DDC-5-PS	Total/NA	Water	8260C	
460-205625-5	152140-DDC-08-PS	Total/NA	Water	8260C	
460-205625-6	152140-DDC-X	Total/NA	Water	8260C	
460-205625-7	152140-DDC-7-PS	Total/NA	Water	8260C	
460-205625-8	152140-DDC-7-PD	Total/NA	Water	8260C	
460-205625-9	152140-MW-3S(offsite)	Total/NA	Water	8260C	
460-205625-10	152140-MW-3D(office)	Total/NA	Water	8260C	
460-205625-11	152140-DDC-08-PD	Total/NA	Water	8260C	
MB 460-683956/10	Method Blank	Total/NA	Water	8260C	
LCS 460-683956/4	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-205625-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-DDC-5-PD
Lab Sample ID: 460-205625-1
Date Collected: 03/18/20 10:07
Matrix: Water
Date Received: 03/19/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683956	03/27/20 01:23	GXY	TAL EDI

Client Sample ID: 152140-DDC-6-PD
Lab Sample ID: 460-205625-2
Date Collected: 03/18/20 10:47
Matrix: Water
Date Received: 03/19/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683956	03/27/20 01:47	GXY	TAL EDI

Client Sample ID: 152140-DDC-6-PS
Lab Sample ID: 460-205625-3
Date Collected: 03/18/20 10:30
Matrix: Water
Date Received: 03/19/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683956	03/27/20 02:12	GXY	TAL EDI

Client Sample ID: 152140-DDC-5-PS
Lab Sample ID: 460-205625-4
Date Collected: 03/18/20 09:47
Matrix: Water
Date Received: 03/19/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683956	03/27/20 02:35	GXY	TAL EDI

Client Sample ID: 152140-DDC-08-PS
Lab Sample ID: 460-205625-5
Date Collected: 03/18/20 13:15
Matrix: Water
Date Received: 03/19/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683956	03/27/20 03:00	GXY	TAL EDI

Client Sample ID: 152140-DDC-X
Lab Sample ID: 460-205625-6
Date Collected: 03/18/20 00:00
Matrix: Water
Date Received: 03/19/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683956	03/27/20 03:24	GXY	TAL EDI

Client Sample ID: 152140-DDC-7-PS
Lab Sample ID: 460-205625-7
Date Collected: 03/18/20 12:17
Matrix: Water
Date Received: 03/19/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683956	03/27/20 03:47	GXY	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-205625-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Client Sample ID: 152140-DDC-7-PD
Lab Sample ID: 460-205625-8
Date Collected: 03/18/20 12:37
Matrix: Water
Date Received: 03/19/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683956	03/27/20 04:12	GXY	TAL EDI

Client Sample ID: 152140-MW-3S(offsite)
Lab Sample ID: 460-205625-9
Date Collected: 03/18/20 11:15
Matrix: Water
Date Received: 03/19/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683956	03/27/20 04:36	GXY	TAL EDI

Client Sample ID: 152140-MW-3D(office)
Lab Sample ID: 460-205625-10
Date Collected: 03/18/20 11:34
Matrix: Water
Date Received: 03/19/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683956	03/27/20 05:00	GXY	TAL EDI

Client Sample ID: 152140-DDC-08-PD
Lab Sample ID: 460-205625-11
Date Collected: 03/18/20 13:35
Matrix: Water
Date Received: 03/19/20 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	683956	03/27/20 05:25	GXY	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: 460-205625-1
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	04-01-20
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: 460-205625-1
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: 460-205625-1
Project/Site: DEC - EASTFARMINGDALE1 SITE:152140

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-205625-1	152140-DDC-5-PD	Water	03/18/20 10:07	03/19/20 17:30	
460-205625-2	152140-DDC-6-PD	Water	03/18/20 10:47	03/19/20 17:30	
460-205625-3	152140-DDC-6-PS	Water	03/18/20 10:30	03/19/20 17:30	
460-205625-4	152140-DDC-5-PS	Water	03/18/20 09:47	03/19/20 17:30	
460-205625-5	152140-DDC-08-PS	Water	03/18/20 13:15	03/19/20 17:30	
460-205625-6	152140-DDC-X	Water	03/18/20 00:00	03/19/20 17:30	
460-205625-7	152140-DDC-7-PS	Water	03/18/20 12:17	03/19/20 17:30	
460-205625-8	152140-DDC-7-PD	Water	03/18/20 12:37	03/19/20 17:30	
460-205625-9	152140-MW-3S(offsite)	Water	03/18/20 11:15	03/19/20 17:30	
460-205625-10	152140-MW-3D(office)	Water	03/18/20 11:34	03/19/20 17:30	
460-205625-11	152140-DDC-08-PD	Water	03/18/20 13:35	03/19/20 17:30	

Chain of Custody Record

401433 eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: TAL-8210

Client Contact	Project Manager: Jan Hofmann	Site Contact:	Date:	COC No:
Company Name: EAR	Tel/Email:	Lab Contact:	Carrier:	1 of 1 COCs NYC
Address: 225 atlantic ave	Analysis Turnaround Time			Sampler:
City/State/Zip: patchogue NY 11772	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone: 631-447-6402	TAT if different from Below 10 days			Ik-in Client: 222
Fax:	☐ 2 weeks			Sampling:
Project Name: dec-East Farmingdale I-adams	☐ 1 week			
Site:	☐ 2 days			/ SDG No.: 205625
PO# 152140	☐ 1 day			

460-205625 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)	EPA 8260B	Sample Specific Notes:
152140-DDC-5-PD	3/18/20	10:07	G	AQ	3			X	1
152140-DDC-6-PD		10:47						X	2
152140-DDC-6-PS		10:30						X	3
152140-DDC-5-PS		9:48						X	4
152140-DDC-08-PS		13:15						X	5
152140-DDC-X		/						X	6
152140-DDC-7-PS		12:17						X	7
152140-DDC-7-PD		12:37						X	8
152140-MW-35 (offsite)		11:15						X	9
152140-MW-3D (offsite)		11:34						X	10
152140-DDC-08-PD		13:35						X	11

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 requested

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:
Jan Hofmann	EAR	3/18/20 15:00	Sample Fridge	EAR	3/18/20 15:00
Nivian Victoria FROM EAR SAMPLE FRIDGE	EAR	3-19-20 1000		TA	3/19/20 1000
	TA	3/18/20 1600	Received in Laboratory by: Kamal	TA	3/19/20 1930 1600

Kamal 3/19/20 1730 TAT: 3/19/20 1730

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3/27/2020

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 205675

Number of Coolers: 1 IR Gun # 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.5 °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.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: Kamal **Date:** 3·19·20

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 460-205625-1

Login Number: 205625 **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: 460-205664-1
Client Project/Site: DEC - EASTFARMINGDALE1 SITE - ADAMS

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

Attn: Mr. Payson Long

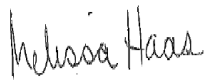
Melissa Haas

Authorized for release by:
3/31/2020 8:22:28 PM
Melissa Haas, Senior Project Manager
(203)308-0880
melissa.haas@testamericainc.com

Designee for

Julie Gilmore, Project Manager I
(484)685-0865
julie.gilmore@testamericainc.com

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.



Melissa Haas
Senior Project Manager
3/31/2020 8:22:28 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 460-205664-1
Project/Site: DEC - EASTFARMINGDALE1 SITE - ADAMS

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
*	Surrogate 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)
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: 460-205664-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: New York State D.E.C.

Project: DEC - EASTFARMINGDALE1 SITE - ADAMS

Report Number: 460-205664-1

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 03/23/2020; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.9 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 152140-MW-14D (460-205664-1), 152140-MW-14S (460-205664-2), 152140-MW-6S (460-205664-3), 152140-MW-1S (OffSite) (460-205664-4), 152140-MW-1D(OffSite) (460-205664-5) and Trip Blank01_20200320 (460-205664-6) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 03/28/2020, 03/30/2020 and 03/31/2020.

The continuing calibration verification (CCV) associated with batch 460-684245 recovered above the upper control limit for Carbon tetrachloride and Bromoform. The samples associated with this CCV were non-detects for the affected analytes; 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-analysis. The following sample contained an allowable number of surrogate compounds outside limits: 152140-MW-14S (460-205664-2). These results have been reported and qualified.

The laboratory control sample (LCS) for analytical batch 460-684245 recovered outside control limits for the following analytes: Carbon tetrachloride, Dichlorobromomethane, Chlorodibromomethane, Bromoform and 1,2-Dibromo-3-Chloropropane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-684656 was outside the method criteria for the following analyte(s): Carbon tetrachloride and Bromoform (biased high); Dichlorodifluoromethane and 1,1,2-Trichloro-1,2,2-trifluoroethane (biased low). 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.

Job ID: 460-205664-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-684656 recovered outside control limits for the following analytes: Carbon tetrachloride and Bromoform. These analytes were biased high in the LCS and/or LCSD and were not detected in the associated samples; therefore, the data have been reported.

m-Xylene & p-Xylene failed the recovery criteria low for the MS of sample 152140-MW-14DMS (460-205664-1) in batch 460-684245.

Several analytes failed the recovery criteria high for the MSD of sample 152140-MW-14DMSD (460-205664-1) in batch 460-684245. Several analytes exceeded the RPD limit.

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: 460-205664-1
Project/Site: DEC - EASTFARMINGDALE1 SITE - ADAMS

Client Sample ID: 152140-MW-14D — Lab Sample ID: 460-205664-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	6.7		1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-MW-14S — Lab Sample ID: 460-205664-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	0.38	J *	1.0	0.21	ug/L	1		8260C	Total/NA
Chloroform	0.63	J	1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.36	J	1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	110		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	0.54	J	1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-MW-6S — Lab Sample ID: 460-205664-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.51	J	1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-MW-1S (OffSite) — Lab Sample ID: 460-205664-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.55	J	1.0	0.25	ug/L	1		8260C	Total/NA

Client Sample ID: 152140-MW-1D(OffSite) — Lab Sample ID: 460-205664-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.47	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	43		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	7.5		1.0	0.31	ug/L	1		8260C	Total/NA

Client Sample ID: Trip Blank01_20200320 — Lab Sample ID: 460-205664-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 460-205664-1
Project/Site: DEC - EASTFARMINGDALE1 SITE - ADAMS

Client Sample ID: 152140-MW-14D
Lab Sample ID: 460-205664-1
Date Collected: 03/20/20 09:47
Matrix: Water
Date Received: 03/23/20 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			03/31/20 00:44	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/31/20 00:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/31/20 00:44	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/31/20 00:44	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/31/20 00:44	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/31/20 00:44	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/31/20 00:44	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/31/20 00:44	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/31/20 00:44	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/31/20 00:44	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/31/20 00:44	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/31/20 00:44	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/31/20 00:44	1
Acetone	5.0	U	5.0	4.4	ug/L			03/31/20 00:44	1
Benzene	1.0	U	1.0	0.20	ug/L			03/31/20 00:44	1
Bromoform	1.0	U *	1.0	0.54	ug/L			03/31/20 00:44	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/31/20 00:44	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/31/20 00:44	1
Carbon tetrachloride	1.0	U *	1.0	0.21	ug/L			03/31/20 00:44	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/31/20 00:44	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/31/20 00:44	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/31/20 00:44	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/31/20 00:44	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/31/20 00:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/31/20 00:44	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/31/20 00:44	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/31/20 00:44	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/31/20 00:44	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/31/20 00:44	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/31/20 00:44	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/31/20 00:44	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/31/20 00:44	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/31/20 00:44	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/31/20 00:44	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/31/20 00:44	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/31/20 00:44	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/31/20 00:44	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/31/20 00:44	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/31/20 00:44	1
Styrene	1.0	U	1.0	0.42	ug/L			03/31/20 00:44	1
Tetrachloroethene	**6.7**		1.0	0.25	ug/L			03/31/20 00:44	1
Toluene	1.0	U	1.0	0.38	ug/L			03/31/20 00:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/31/20 00:44	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/31/20 00:44	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/31/20 00:44	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/31/20 00:44	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/31/20 00:44	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/31/20 00:44	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/31/20 00:44	1

Client Sample ID: 152140-MW-14D
Lab Sample ID: 460-205664-1
Date Collected: 03/20/20 09:47
Matrix: Water
Date Received: 03/23/20 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			03/31/20 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*		*03/31/20 00:44*	*1*
4-Bromofluorobenzene	*84*		*76 - 120*		*03/31/20 00:44*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*03/31/20 00:44*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/31/20 00:44*	*1*

Client Sample ID: 152140-MW-14S
Lab Sample ID: 460-205664-2
Date Collected: 03/20/20 10:22
Matrix: Water
Date Received: 03/23/20 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			03/28/20 05:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/28/20 05:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/28/20 05:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/28/20 05:01	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/28/20 05:01	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/28/20 05:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/28/20 05:01	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/28/20 05:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/28/20 05:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/28/20 05:01	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/28/20 05:01	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/28/20 05:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/28/20 05:01	1
Acetone	5.0	U	5.0	4.4	ug/L			03/28/20 05:01	1
Benzene	1.0	U	1.0	0.20	ug/L			03/28/20 05:01	1
Bromoform	1.0	U *	1.0	0.54	ug/L			03/28/20 05:01	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/28/20 05:01	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/28/20 05:01	1
Carbon tetrachloride	**0.38**	**J ***	1.0	0.21	ug/L			03/28/20 05:01	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/28/20 05:01	1
Chlorodibromomethane	1.0	U *	1.0	0.28	ug/L			03/28/20 05:01	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/28/20 05:01	1
Chloroform	**0.63**	**J**	1.0	0.33	ug/L			03/28/20 05:01	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/28/20 05:01	1
cis-1,2-Dichloroethene	**0.36**	**J**	1.0	0.22	ug/L			03/28/20 05:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/28/20 05:01	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/28/20 05:01	1
Dichlorobromomethane	1.0	U *	1.0	0.34	ug/L			03/28/20 05:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/28/20 05:01	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/28/20 05:01	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/28/20 05:01	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/28/20 05:01	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/28/20 05:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/28/20 05:01	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/28/20 05:01	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/28/20 05:01	1

Client Sample ID: 152140-MW-14S
Lab Sample ID: 460-205664-2
Date Collected: 03/20/20 10:22
Matrix: Water
Date Received: 03/23/20 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			03/28/20 05:01	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/28/20 05:01	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/28/20 05:01	1
Styrene	1.0	U	1.0	0.42	ug/L			03/28/20 05:01	1
Tetrachloroethene	**110**		1.0	0.25	ug/L			03/28/20 05:01	1
Toluene	1.0	U	1.0	0.38	ug/L			03/28/20 05:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/28/20 05:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/28/20 05:01	1
Trichloroethene	**0.54**	**J**	1.0	0.31	ug/L			03/28/20 05:01	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/28/20 05:01	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/28/20 05:01	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/28/20 05:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/28/20 05:01	1
1,2-Dibromo-3-Chloropropane	1.0	U *	1.0	0.38	ug/L			03/28/20 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 123*		*03/28/20 05:01*	*1*
4-Bromofluorobenzene	*71*	*	*76 - 120*		*03/28/20 05:01*	*1*
Dibromofluoromethane (Surr)	*90*		*77 - 124*		*03/28/20 05:01*	*1*
Toluene-d8 (Surr)	*81*		*80 - 120*		*03/28/20 05:01*	*1*

Client Sample ID: 152140-MW-6S
Lab Sample ID: 460-205664-3
Date Collected: 03/20/20 12:02
Matrix: Water
Date Received: 03/23/20 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			03/31/20 01:09	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/31/20 01:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/31/20 01:09	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/31/20 01:09	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/31/20 01:09	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/31/20 01:09	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/31/20 01:09	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/31/20 01:09	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/31/20 01:09	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/31/20 01:09	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/31/20 01:09	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/31/20 01:09	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/31/20 01:09	1
Acetone	5.0	U	5.0	4.4	ug/L			03/31/20 01:09	1
Benzene	1.0	U	1.0	0.20	ug/L			03/31/20 01:09	1
Bromoform	1.0	U *	1.0	0.54	ug/L			03/31/20 01:09	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/31/20 01:09	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/31/20 01:09	1
Carbon tetrachloride	1.0	U *	1.0	0.21	ug/L			03/31/20 01:09	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/31/20 01:09	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/31/20 01:09	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/31/20 01:09	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/31/20 01:09	1

Client Sample ID: 152140-MW-6S
Lab Sample ID: 460-205664-3
Date Collected: 03/20/20 12:02
Matrix: Water
Date Received: 03/23/20 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			03/31/20 01:09	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/31/20 01:09	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/31/20 01:09	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/31/20 01:09	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/31/20 01:09	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/31/20 01:09	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/31/20 01:09	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/31/20 01:09	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/31/20 01:09	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/31/20 01:09	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/31/20 01:09	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/31/20 01:09	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/31/20 01:09	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/31/20 01:09	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/31/20 01:09	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/31/20 01:09	1
Styrene	1.0	U	1.0	0.42	ug/L			03/31/20 01:09	1
Tetrachloroethene	**0.51**	**J**	1.0	0.25	ug/L			03/31/20 01:09	1
Toluene	1.0	U	1.0	0.38	ug/L			03/31/20 01:09	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/31/20 01:09	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/31/20 01:09	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/31/20 01:09	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/31/20 01:09	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/31/20 01:09	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/31/20 01:09	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/31/20 01:09	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/31/20 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*		*03/31/20 01:09*	*1*
4-Bromofluorobenzene	*82*		*76 - 120*		*03/31/20 01:09*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*03/31/20 01:09*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*03/31/20 01:09*	*1*

Client Sample ID: 152140-MW-1S (OffSite)
Lab Sample ID: 460-205664-4
Date Collected: 03/20/20 13:40
Matrix: Water
Date Received: 03/23/20 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			03/31/20 01:35	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/31/20 01:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/31/20 01:35	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/31/20 01:35	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/31/20 01:35	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/31/20 01:35	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/31/20 01:35	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/31/20 01:35	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/31/20 01:35	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/31/20 01:35	1

Client Sample ID: 152140-MW-1S (OffSite)
Lab Sample ID: 460-205664-4

Date Collected: 03/20/20 13:40
Matrix: Water
Date Received: 03/23/20 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			03/31/20 01:35	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/31/20 01:35	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/31/20 01:35	1
Acetone	5.0	U	5.0	4.4	ug/L			03/31/20 01:35	1
Benzene	1.0	U	1.0	0.20	ug/L			03/31/20 01:35	1
Bromoform	1.0	U *	1.0	0.54	ug/L			03/31/20 01:35	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/31/20 01:35	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/31/20 01:35	1
Carbon tetrachloride	1.0	U *	1.0	0.21	ug/L			03/31/20 01:35	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/31/20 01:35	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/31/20 01:35	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/31/20 01:35	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/31/20 01:35	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/31/20 01:35	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/31/20 01:35	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/31/20 01:35	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/31/20 01:35	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/31/20 01:35	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/31/20 01:35	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/31/20 01:35	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/31/20 01:35	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/31/20 01:35	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/31/20 01:35	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/31/20 01:35	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/31/20 01:35	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/31/20 01:35	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/31/20 01:35	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/31/20 01:35	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/31/20 01:35	1
Styrene	1.0	U	1.0	0.42	ug/L			03/31/20 01:35	1
Tetrachloroethene	**0.55**	**J**	1.0	0.25	ug/L			03/31/20 01:35	1
Toluene	1.0	U	1.0	0.38	ug/L			03/31/20 01:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/31/20 01:35	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/31/20 01:35	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/31/20 01:35	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/31/20 01:35	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/31/20 01:35	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/31/20 01:35	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/31/20 01:35	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/31/20 01:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 123*		*03/31/20 01:35*	*1*
4-Bromofluorobenzene	*83*		*76 - 120*		*03/31/20 01:35*	*1*
Dibromofluoromethane (Surr)	*108*		*77 - 124*		*03/31/20 01:35*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/31/20 01:35*	*1*

Client: New York State D.E.C.
Job ID: 460-205664-1
Project/Site: DEC - EASTFARMINGDALE1 SITE - ADAMS

Client Sample ID: 152140-MW-1D(OffSite)
Lab Sample ID: 460-205664-5

Date Collected: 03/20/20 14:17
Matrix: Water
Date Received: 03/23/20 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			03/28/20 06:42	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/28/20 06:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/28/20 06:42	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/28/20 06:42	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/28/20 06:42	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/28/20 06:42	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/28/20 06:42	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/28/20 06:42	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/28/20 06:42	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/28/20 06:42	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/28/20 06:42	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/28/20 06:42	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/28/20 06:42	1
Acetone	5.0	U	5.0	4.4	ug/L			03/28/20 06:42	1
Benzene	1.0	U	1.0	0.20	ug/L			03/28/20 06:42	1
Bromoform	1.0	U *	1.0	0.54	ug/L			03/28/20 06:42	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/28/20 06:42	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/28/20 06:42	1
Carbon tetrachloride	1.0	U *	1.0	0.21	ug/L			03/28/20 06:42	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/28/20 06:42	1
Chlorodibromomethane	1.0	U *	1.0	0.28	ug/L			03/28/20 06:42	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/28/20 06:42	1
Chloroform	**0.47**	**J**	1.0	0.33	ug/L			03/28/20 06:42	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/28/20 06:42	1
cis-1,2-Dichloroethene	**25**		1.0	0.22	ug/L			03/28/20 06:42	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/28/20 06:42	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/28/20 06:42	1
Dichlorobromomethane	1.0	U *	1.0	0.34	ug/L			03/28/20 06:42	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/28/20 06:42	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/28/20 06:42	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/28/20 06:42	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/28/20 06:42	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/28/20 06:42	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/28/20 06:42	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/28/20 06:42	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/28/20 06:42	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/28/20 06:42	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/28/20 06:42	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/28/20 06:42	1
Styrene	1.0	U	1.0	0.42	ug/L			03/28/20 06:42	1
Tetrachloroethene	**43**		1.0	0.25	ug/L			03/28/20 06:42	1
Toluene	1.0	U	1.0	0.38	ug/L			03/28/20 06:42	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/28/20 06:42	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/28/20 06:42	1
Trichloroethene	**7.5**		1.0	0.31	ug/L			03/28/20 06:42	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/28/20 06:42	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/28/20 06:42	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/28/20 06:42	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/28/20 06:42	1

Client Sample ID: 152140-MW-1D(OffSite)
Lab Sample ID: 460-205664-5
Date Collected: 03/20/20 14:17
Matrix: Water
Date Received: 03/23/20 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			03/28/20 06:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*		*03/28/20 06:42*	*1*
4-Bromofluorobenzene	*84*		*76 - 120*		*03/28/20 06:42*	*1*
Dibromofluoromethane (Surr)	*106*		*77 - 124*		*03/28/20 06:42*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/28/20 06:42*	*1*

Client Sample ID: Trip Blank01_20200320
Lab Sample ID: 460-205664-6
Date Collected: 03/20/20 14:17
Matrix: Water
Date Received: 03/23/20 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			03/30/20 23:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/30/20 23:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/30/20 23:28	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/30/20 23:28	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/30/20 23:28	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/30/20 23:28	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/30/20 23:28	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/30/20 23:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/30/20 23:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/30/20 23:28	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/30/20 23:28	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/30/20 23:28	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/30/20 23:28	1
Acetone	5.0	U	5.0	4.4	ug/L			03/30/20 23:28	1
Benzene	1.0	U	1.0	0.20	ug/L			03/30/20 23:28	1
Bromoform	1.0	U *	1.0	0.54	ug/L			03/30/20 23:28	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/30/20 23:28	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/30/20 23:28	1
Carbon tetrachloride	1.0	U *	1.0	0.21	ug/L			03/30/20 23:28	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/30/20 23:28	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/30/20 23:28	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/30/20 23:28	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/30/20 23:28	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/30/20 23:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/30/20 23:28	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/30/20 23:28	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/30/20 23:28	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/30/20 23:28	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/30/20 23:28	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/30/20 23:28	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/30/20 23:28	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/30/20 23:28	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/30/20 23:28	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/30/20 23:28	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/30/20 23:28	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/30/20 23:28	1

Client: New York State D.E.C.
Job ID: 460-205664-1
Project/Site: DEC - EASTFARMINGDALE1 SITE - ADAMS

Client Sample ID: Trip Blank01_20200320
Lab Sample ID: 460-205664-6
Date Collected: 03/20/20 14:17
Matrix: Water
Date Received: 03/23/20 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			03/30/20 23:28	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/30/20 23:28	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/30/20 23:28	1
Styrene	1.0	U	1.0	0.42	ug/L			03/30/20 23:28	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/30/20 23:28	1
Toluene	1.0	U	1.0	0.38	ug/L			03/30/20 23:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/30/20 23:28	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/30/20 23:28	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/30/20 23:28	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/30/20 23:28	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/30/20 23:28	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/30/20 23:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/30/20 23:28	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/30/20 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*		*03/30/20 23:28*	*1*
4-Bromofluorobenzene	*84*		*76 - 120*		*03/30/20 23:28*	*1*
Dibromofluoromethane (Surr)	*105*		*77 - 124*		*03/30/20 23:28*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*03/30/20 23:28*	*1*

Surrogate Summary

Client: New York State D.E.C.
Job ID: 460-205664-1
Project/Site: DEC - EASTFARMINGDALE1 SITE - ADAMS

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)
460-205664-1	152140-MW-14D	101	84	105	94
460-205664-1 MS	152140-MW-14D	104	94	105	99
460-205664-1 MSD	152140-MW-14D	99	90	103	99
460-205664-2	152140-MW-14S	89	71 *	90	81
460-205664-3	152140-MW-6S	100	82	103	92
460-205664-4	152140-MW-1S (OffSite)	106	83	108	95
460-205664-5	152140-MW-1D(OffSite)	104	84	106	94
460-205664-6	Trip Blank01_20200320	100	84	105	95
LCS 460-684245/4	Lab Control Sample	108	101	112	106
LCS 460-684656/4	Lab Control Sample	100	94	102	99
LCSD 460-684656/5	Lab Control Sample Dup	99	98	104	100
MB 460-684245/12	Method Blank	99	80	100	90
MB 460-684656/9	Method Blank	110	93	111	102

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 460-684245/12
Matrix: Water
Analysis Batch: 684245

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			03/28/20 02:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/28/20 02:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/28/20 02:23	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/28/20 02:23	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/28/20 02:23	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/28/20 02:23	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/28/20 02:23	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/28/20 02:23	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/28/20 02:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/28/20 02:23	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/28/20 02:23	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/28/20 02:23	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/28/20 02:23	1
Acetone	5.0	U	5.0	4.4	ug/L			03/28/20 02:23	1
Benzene	1.0	U	1.0	0.20	ug/L			03/28/20 02:23	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/28/20 02:23	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/28/20 02:23	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/28/20 02:23	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/28/20 02:23	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/28/20 02:23	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/28/20 02:23	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/28/20 02:23	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/28/20 02:23	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/28/20 02:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/28/20 02:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/28/20 02:23	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/28/20 02:23	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/28/20 02:23	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/28/20 02:23	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/28/20 02:23	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/28/20 02:23	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/28/20 02:23	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/28/20 02:23	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/28/20 02:23	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/28/20 02:23	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/28/20 02:23	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/28/20 02:23	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/28/20 02:23	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/28/20 02:23	1
Styrene	1.0	U	1.0	0.42	ug/L			03/28/20 02:23	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/28/20 02:23	1
Toluene	1.0	U	1.0	0.38	ug/L			03/28/20 02:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/28/20 02:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/28/20 02:23	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/28/20 02:23	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/28/20 02:23	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/28/20 02:23	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/28/20 02:23	1

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

Lab Sample ID: MB 460-684245/12
Matrix: Water
Analysis Batch: 684245

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			03/28/20 02:23	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/28/20 02:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*		*03/28/20 02:23*	*1*
4-Bromofluorobenzene	*80*		*76 - 120*		*03/28/20 02:23*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 124*		*03/28/20 02:23*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*03/28/20 02:23*	*1*

Lab Sample ID: LCS 460-684245/4
Matrix: Water
Analysis Batch: 684245

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	23.4		ug/L		117	68 - 128
1,1,2,2-Tetrachloroethane	20.0	22.0		ug/L		110	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	21.9		ug/L		110	74 - 125
1,1-Dichloroethane	20.0	20.2		ug/L		101	73 - 130
1,1-Dichloroethene	20.0	20.1		ug/L		101	68 - 133
1,2,4-Trichlorobenzene	20.0	21.4		ug/L		107	64 - 132
1,2-Dichloropropane	20.0	21.5		ug/L		107	76 - 126
1,3-Dichlorobenzene	20.0	21.1		ug/L		106	80 - 121
1,4-Dichlorobenzene	20.0	21.1		ug/L		105	80 - 118
2-Butanone (MEK)	100	108		ug/L		108	69 - 128
2-Hexanone	100	104		ug/L		104	74 - 127
4-Methyl-2-pentanone (MIBK)	100	108		ug/L		108	78 - 125
Acetone	100	97.3		ug/L		97	61 - 134
Benzene	20.0	21.4		ug/L		107	78 - 126
Bromoform	20.0	30.3	*	ug/L		151	38 - 144
Bromomethane	20.0	17.4		ug/L		87	10 - 150
Carbon disulfide	20.0	19.4		ug/L		97	64 - 138
Carbon tetrachloride	20.0	28.3	*	ug/L		142	56 - 131
Chlorobenzene	20.0	21.2		ug/L		106	80 - 119
Chlorodibromomethane	20.0	26.7	*	ug/L		133	58 - 130
Chloroethane	20.0	20.7		ug/L		104	29 - 150
Chloroform	20.0	21.2		ug/L		106	78 - 125
Chloromethane	20.0	19.4		ug/L		97	38 - 150
cis-1,2-Dichloroethene	20.0	21.2		ug/L		106	78 - 121
cis-1,3-Dichloropropene	20.0	22.6		ug/L		113	74 - 125
Cyclohexane	20.0	21.7		ug/L		109	67 - 133
Dichlorobromomethane	20.0	24.4	*	ug/L		122	72 - 121
Dichlorodifluoromethane	20.0	22.7		ug/L		113	31 - 150
Ethylbenzene	20.0	20.0		ug/L		100	78 - 120
Ethylene Dibromide	20.0	22.6		ug/L		113	69 - 126
Isopropylbenzene	20.0	20.3		ug/L		102	79 - 125
Methyl acetate	40.0	45.8		ug/L		114	70 - 127
Methyl tert-butyl ether	20.0	18.9		ug/L		95	65 - 131

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

Lab Sample ID: LCS 460-684245/4
Matrix: Water
Analysis Batch: 684245

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	21.2		ug/L		106	60 - 139
Methylene Chloride	20.0	19.9		ug/L		100	74 - 127
m-Xylene & p-Xylene	20.0	19.6		ug/L		98	78 - 123
o-Xylene	20.0	19.5		ug/L		97	78 - 122
Xylenes, Total	40.0	39.0		ug/L		98	78 - 122
Styrene	20.0	21.1		ug/L		105	75 - 127
Tetrachloroethene	20.0	22.9		ug/L		114	70 - 127
Toluene	20.0	20.9		ug/L		104	78 - 119
trans-1,2-Dichloroethene	20.0	19.8		ug/L		99	74 - 126
trans-1,3-Dichloropropene	20.0	21.7		ug/L		109	66 - 127
Trichloroethene	20.0	21.2		ug/L		106	71 - 121
Trichlorofluoromethane	20.0	22.3		ug/L		112	61 - 140
Vinyl chloride	20.0	20.9		ug/L		105	61 - 144
1,2-Dichloroethane	20.0	21.3		ug/L		107	75 - 121
1,2-Dichlorobenzene	20.0	21.5		ug/L		108	79 - 122
1,2-Dibromo-3-Chloropropane	20.0	28.9	*	ug/L		145	41 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 123*
4-Bromofluorobenzene	*101*		*76 - 120*
Dibromofluoromethane (Surr)	*112*		*77 - 124*
Toluene-d8 (Surr)	*106*		*80 - 120*

Lab Sample ID: 460-205664-1 MS
Matrix: Water
Analysis Batch: 684245

Client Sample ID: 152140-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	20.0		ug/L		100	68 - 128
1,1,2,2-Tetrachloroethane	1.0	U	20.0	18.3		ug/L		91	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	20.0	17.1		ug/L		86	59 - 142
1,1,2-Trichloroethane	1.0	U	20.0	18.8		ug/L		94	74 - 125
1,1-Dichloroethane	1.0	U	20.0	16.7		ug/L		83	73 - 130
1,1-Dichloroethene	1.0	U	20.0	17.1		ug/L		86	68 - 133
1,2,4-Trichlorobenzene	1.0	U	20.0	15.3		ug/L		77	64 - 132
1,2-Dichloropropane	1.0	U	20.0	17.4		ug/L		87	76 - 126
1,3-Dichlorobenzene	1.0	U	20.0	16.4		ug/L		82	80 - 121
1,4-Dichlorobenzene	1.0	U	20.0	16.6		ug/L		83	80 - 118
2-Butanone (MEK)	5.0	U	100	86.1		ug/L		86	69 - 128
2-Hexanone	5.0	U	100	86.0		ug/L		86	74 - 127
4-Methyl-2-pentanone (MIBK)	5.0	U	100	90.5		ug/L		91	78 - 125
Acetone	5.0	U	100	80.8		ug/L		81	61 - 134
Benzene	1.0	U	20.0	17.7		ug/L		89	78 - 126
Bromoform	1.0	U *	20.0	24.4		ug/L		122	38 - 144
Bromomethane	1.0	U	20.0	13.0		ug/L		65	10 - 150
Carbon disulfide	1.0	U	20.0	16.2		ug/L		81	64 - 138
Carbon tetrachloride	1.0	U *	20.0	23.6		ug/L		118	56 - 131
Chlorobenzene	1.0	U	20.0	17.7		ug/L		89	80 - 119

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

Lab Sample ID: 460-205664-1 MS
Matrix: Water
Analysis Batch: 684245

Client Sample ID: 152140-MW-14D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	1.0	U	20.0	21.4		ug/L		107	58 - 130
Chloroethane	1.0	U	20.0	18.2		ug/L		91	29 - 150
Chloroform	1.0	U	20.0	18.1		ug/L		90	78 - 125
Chloromethane	1.0	U	20.0	15.9		ug/L		79	38 - 150
cis-1,2-Dichloroethene	1.0	U	20.0	18.3		ug/L		92	78 - 121
cis-1,3-Dichloropropene	1.0	U	20.0	16.7		ug/L		84	74 - 125
Cyclohexane	1.0	U	20.0	17.3		ug/L		87	67 - 133
Dichlorobromomethane	1.0	U	20.0	20.4		ug/L		102	72 - 121
Dichlorodifluoromethane	1.0	U	20.0	18.1		ug/L		91	31 - 150
Ethylbenzene	1.0	U	20.0	16.0		ug/L		80	78 - 120
Ethylene Dibromide	1.0	U	20.0	17.8		ug/L		89	69 - 126
Isopropylbenzene	1.0	U	20.0	16.2		ug/L		81	79 - 125
Methyl acetate	5.0	U	40.0	34.8		ug/L		87	70 - 127
Methyl tert-butyl ether	1.0	U	20.0	15.5		ug/L		78	65 - 131
Methylcyclohexane	1.0	U	20.0	15.9		ug/L		80	60 - 139
Methylene Chloride	1.0	U	20.0	16.4		ug/L		82	74 - 127
m-Xylene & p-Xylene	1.0	U	20.0	15.4	*	ug/L		77	78 - 123
o-Xylene	1.0	U	20.0	15.6		ug/L		78	78 - 122
Xylenes, Total	2.0	U	40.0	31.0		ug/L		78	78 - 122
Styrene	1.0	U	20.0	16.6		ug/L		83	75 - 127
Tetrachloroethene	6.7		20.0	24.2		ug/L		87	70 - 127
Toluene	1.0	U	20.0	17.3		ug/L		87	78 - 119
trans-1,2-Dichloroethene	1.0	U	20.0	16.9		ug/L		84	74 - 126
trans-1,3-Dichloropropene	1.0	U	20.0	17.1		ug/L		86	66 - 127
Trichloroethene	1.0	U	20.0	17.4		ug/L		87	71 - 121
Trichlorofluoromethane	1.0	U	20.0	19.7		ug/L		99	61 - 140
Vinyl chloride	1.0	U	20.0	18.0		ug/L		90	61 - 144
1,2-Dichloroethane	1.0	U	20.0	17.2		ug/L		86	75 - 121
1,2-Dichlorobenzene	1.0	U	20.0	16.6		ug/L		83	79 - 122
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	21.9		ug/L		110	41 - 143

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 123*
4-Bromofluorobenzene	*94*		*76 - 120*
Dibromofluoromethane (Surr)	*105*		*77 - 124*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 460-205664-1 MSD
Matrix: Water
Analysis Batch: 684245

Client Sample ID: 152140-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	25.6		ug/L		128	68 - 128	25	30
1,1,2,2-Tetrachloroethane	1.0	U	20.0	23.4		ug/L		117	63 - 139	25	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	20.0	21.8		ug/L		109	59 - 142	24	30
1,1,2-Trichloroethane	1.0	U	20.0	24.0		ug/L		120	74 - 125	24	30
1,1-Dichloroethane	1.0	U	20.0	21.1		ug/L		105	73 - 130	23	30
1,1-Dichloroethene	1.0	U	20.0	22.5		ug/L		112	68 - 133	27	30

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

Lab Sample ID: 460-205664-1 MSD
Client Sample ID: 152140-MW-14D
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 684245

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	1.0	U	20.0	21.7	*	ug/L		108	64 - 132	34	30
1,2-Dichloropropane	1.0	U	20.0	22.9		ug/L		114	76 - 126	27	30
1,3-Dichlorobenzene	1.0	U	20.0	22.5	*	ug/L		112	80 - 121	32	30
1,4-Dichlorobenzene	1.0	U	20.0	21.7		ug/L		109	80 - 118	27	30
2-Butanone (MEK)	5.0	U	100	114		ug/L		114	69 - 128	28	30
2-Hexanone	5.0	U	100	116		ug/L		116	74 - 127	30	30
4-Methyl-2-pentanone (MIBK)	5.0	U	100	119		ug/L		119	78 - 125	27	30
Acetone	5.0	U	100	104		ug/L		104	61 - 134	25	30
Benzene	1.0	U	20.0	22.9		ug/L		114	78 - 126	26	30
Bromoform	1.0	U *	20.0	32.9	*	ug/L		164	38 - 144	30	30
Bromomethane	1.0	U	20.0	16.8		ug/L		84	10 - 150	26	30
Carbon disulfide	1.0	U	20.0	20.8		ug/L		104	64 - 138	25	30
Carbon tetrachloride	1.0	U *	20.0	30.3	*	ug/L		151	56 - 131	25	30
Chlorobenzene	1.0	U	20.0	23.2		ug/L		116	80 - 119	27	30
Chlorodibromomethane	1.0	U	20.0	28.6	*	ug/L		143	58 - 130	29	30
Chloroethane	1.0	U	20.0	20.1		ug/L		100	29 - 150	10	30
Chloroform	1.0	U	20.0	22.8		ug/L		114	78 - 125	23	30
Chloromethane	1.0	U	20.0	18.8		ug/L		94	38 - 150	17	30
cis-1,2-Dichloroethene	1.0	U	20.0	22.8		ug/L		114	78 - 121	22	30
cis-1,3-Dichloropropene	1.0	U	20.0	23.0	*	ug/L		115	74 - 125	32	30
Cyclohexane	1.0	U	20.0	22.4		ug/L		112	67 - 133	25	30
Dichlorobromomethane	1.0	U	20.0	26.5	*	ug/L		133	72 - 121	26	30
Dichlorodifluoromethane	1.0	U	20.0	19.7		ug/L		98	31 - 150	8	30
Ethylbenzene	1.0	U	20.0	21.6		ug/L		108	78 - 120	30	30
Ethylene Dibromide	1.0	U	20.0	24.5	*	ug/L		123	69 - 126	32	30
Isopropylbenzene	1.0	U	20.0	22.0		ug/L		110	79 - 125	30	30
Methyl acetate	5.0	U	40.0	45.5		ug/L		114	70 - 127	27	30
Methyl tert-butyl ether	1.0	U	20.0	20.0		ug/L		100	65 - 131	25	30
Methylcyclohexane	1.0	U	20.0	21.2		ug/L		106	60 - 139	29	30
Methylene Chloride	1.0	U	20.0	21.3		ug/L		106	74 - 127	26	30
m-Xylene & p-Xylene	1.0	U	20.0	21.2	*	ug/L		106	78 - 123	31	30
o-Xylene	1.0	U	20.0	21.0		ug/L		105	78 - 122	30	30
Xylenes, Total	2.0	U	40.0	42.2	*	ug/L		106	78 - 122	31	30
Styrene	1.0	U	20.0	22.6	*	ug/L		113	75 - 127	31	30
Tetrachloroethene	6.7		20.0	29.9		ug/L		116	70 - 127	21	30
Toluene	1.0	U	20.0	22.5		ug/L		112	78 - 119	26	30
trans-1,2-Dichloroethene	1.0	U	20.0	21.7		ug/L		108	74 - 126	25	30
trans-1,3-Dichloropropene	1.0	U	20.0	22.6		ug/L		113	66 - 127	27	30
Trichloroethene	1.0	U	20.0	22.2		ug/L		111	71 - 121	25	30
Trichlorofluoromethane	1.0	U	20.0	21.6		ug/L		108	61 - 140	9	30
Vinyl chloride	1.0	U	20.0	19.9		ug/L		100	61 - 144	10	30
1,2-Dichloroethane	1.0	U	20.0	22.9		ug/L		114	75 - 121	28	30
1,2-Dichlorobenzene	1.0	U	20.0	22.5		ug/L		112	79 - 122	30	30
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	29.1	*	ug/L		145	41 - 143	28	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*
4-Bromofluorobenzene	*90*		*76 - 120*

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

Lab Sample ID: 460-205664-1 MSD
Matrix: Water
Analysis Batch: 684245

Client Sample ID: 152140-MW-14D
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Dibromofluoromethane (Surr)	*103*		*77 - 124*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 460-684656/9
Matrix: Water
Analysis Batch: 684656

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			03/30/20 22:03	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/30/20 22:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/30/20 22:03	1
1,1,2-Trichloroethane	1.0	U	1.0	0.43	ug/L			03/30/20 22:03	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/30/20 22:03	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/30/20 22:03	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/30/20 22:03	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/30/20 22:03	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/30/20 22:03	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/30/20 22:03	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/30/20 22:03	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/30/20 22:03	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/30/20 22:03	1
Acetone	5.0	U	5.0	4.4	ug/L			03/30/20 22:03	1
Benzene	1.0	U	1.0	0.20	ug/L			03/30/20 22:03	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/30/20 22:03	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/30/20 22:03	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/30/20 22:03	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/30/20 22:03	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/30/20 22:03	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/30/20 22:03	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/30/20 22:03	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/30/20 22:03	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/30/20 22:03	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/30/20 22:03	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/30/20 22:03	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/30/20 22:03	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/30/20 22:03	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/30/20 22:03	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/30/20 22:03	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/30/20 22:03	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/30/20 22:03	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/30/20 22:03	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			03/30/20 22:03	1
Methylcyclohexane	1.0	U	1.0	0.26	ug/L			03/30/20 22:03	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/30/20 22:03	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/30/20 22:03	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/30/20 22:03	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			03/30/20 22:03	1
Styrene	1.0	U	1.0	0.42	ug/L			03/30/20 22:03	1

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

Lab Sample ID: MB 460-684656/9
Matrix: Water
Analysis Batch: 684656

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/30/20 22:03	1
Toluene	1.0	U	1.0	0.38	ug/L			03/30/20 22:03	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/30/20 22:03	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.49	ug/L			03/30/20 22:03	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/30/20 22:03	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/30/20 22:03	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/30/20 22:03	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/30/20 22:03	1
1,2-Dichlorobenzene	1.0	U	1.0	0.43	ug/L			03/30/20 22:03	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/30/20 22:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 123*		*03/30/20 22:03*	*1*
4-Bromofluorobenzene	*93*		*76 - 120*		*03/30/20 22:03*	*1*
Dibromofluoromethane (Surr)	*111*		*77 - 124*		*03/30/20 22:03*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/30/20 22:03*	*1*

Lab Sample ID: LCS 460-684656/4
Matrix: Water
Analysis Batch: 684656

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	23.0		ug/L		115	68 - 128
1,1,2,2-Tetrachloroethane	20.0	20.2		ug/L		101	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	15.7		ug/L		78	59 - 142
1,1,2-Trichloroethane	20.0	20.4		ug/L		102	74 - 125
1,1-Dichloroethane	20.0	19.5		ug/L		97	73 - 130
1,1-Dichloroethene	20.0	19.6		ug/L		98	68 - 133
1,2,4-Trichlorobenzene	20.0	21.8		ug/L		109	64 - 132
1,2-Dichloropropane	20.0	20.6		ug/L		103	76 - 126
1,3-Dichlorobenzene	20.0	20.9		ug/L		105	80 - 121
1,4-Dichlorobenzene	20.0	20.7		ug/L		103	80 - 118
2-Butanone (MEK)	100	102		ug/L		102	69 - 128
2-Hexanone	100	102		ug/L		102	74 - 127
4-Methyl-2-pentanone (MIBK)	100	106		ug/L		106	78 - 125
Acetone	100	93.6		ug/L		94	61 - 134
Benzene	20.0	20.7		ug/L		104	78 - 126
Bromoform	20.0	28.2		ug/L		141	38 - 144
Bromomethane	20.0	17.5		ug/L		87	10 - 150
Carbon disulfide	20.0	19.3		ug/L		97	64 - 138
Carbon tetrachloride	20.0	27.1	*	ug/L		135	56 - 131
Chlorobenzene	20.0	20.8		ug/L		104	80 - 119
Chlorodibromomethane	20.0	25.2		ug/L		126	58 - 130
Chloroethane	20.0	18.7		ug/L		94	29 - 150
Chloroform	20.0	20.9		ug/L		104	78 - 125
Chloromethane	20.0	18.0		ug/L		90	38 - 150
cis-1,2-Dichloroethene	20.0	20.4		ug/L		102	78 - 121
cis-1,3-Dichloropropene	20.0	21.7		ug/L		109	74 - 125

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

Lab Sample ID: LCS 460-684656/4
Matrix: Water
Analysis Batch: 684656

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	20.0	17.4		ug/L		87	67 - 133
Dichlorobromomethane	20.0	23.6		ug/L		118	72 - 121
Dichlorodifluoromethane	20.0	15.2		ug/L		76	31 - 150
Ethylbenzene	20.0	19.3		ug/L		96	78 - 120
Ethylene Dibromide	20.0	20.7		ug/L		103	69 - 126
Isopropylbenzene	20.0	20.0		ug/L		100	79 - 125
Methyl acetate	40.0	41.5		ug/L		104	70 - 127
Methyl tert-butyl ether	20.0	18.2		ug/L		91	65 - 131
Methylcyclohexane	20.0	15.8		ug/L		79	60 - 139
Methylene Chloride	20.0	18.7		ug/L		94	74 - 127
m-Xylene & p-Xylene	20.0	18.7		ug/L		93	78 - 123
o-Xylene	20.0	19.3		ug/L		97	78 - 122
Xylenes, Total	40.0	38.0		ug/L		95	78 - 122
Styrene	20.0	20.1		ug/L		100	75 - 127
Tetrachloroethene	20.0	21.6		ug/L		108	70 - 127
Toluene	20.0	20.3		ug/L		101	78 - 119
trans-1,2-Dichloroethene	20.0	19.3		ug/L		97	74 - 126
trans-1,3-Dichloropropene	20.0	20.9		ug/L		105	66 - 127
Trichloroethene	20.0	20.8		ug/L		104	71 - 121
Trichlorofluoromethane	20.0	18.4		ug/L		92	61 - 140
Vinyl chloride	20.0	18.5		ug/L		92	61 - 144
1,2-Dichloroethane	20.0	20.3		ug/L		102	75 - 121
1,2-Dichlorobenzene	20.0	21.0		ug/L		105	79 - 122
1,2-Dibromo-3-Chloropropane	20.0	26.7		ug/L		134	41 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 123*
4-Bromofluorobenzene	*94*		*76 - 120*
Dibromofluoromethane (Surr)	*102*		*77 - 124*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 460-684656/5
Matrix: Water
Analysis Batch: 684656

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	22.9		ug/L		115	68 - 128	1	30
1,1,2,2-Tetrachloroethane	20.0	21.2		ug/L		106	63 - 139	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	15.4		ug/L		77	59 - 142	2	30
1,1,2-Trichloroethane	20.0	21.0		ug/L		105	74 - 125	3	30
1,1-Dichloroethane	20.0	18.7		ug/L		94	73 - 130	4	30
1,1-Dichloroethene	20.0	18.7		ug/L		93	68 - 133	5	30
1,2,4-Trichlorobenzene	20.0	21.7		ug/L		109	64 - 132	0	30
1,2-Dichloropropane	20.0	20.5		ug/L		102	76 - 126	1	30
1,3-Dichlorobenzene	20.0	20.8		ug/L		104	80 - 121	0	30
1,4-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 118	2	30
2-Butanone (MEK)	100	107		ug/L		107	69 - 128	4	30
2-Hexanone	100	104		ug/L		104	74 - 127	2	30

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

Lab Sample ID: LCSD 460-684656/5
Matrix: Water
Analysis Batch: 684656

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
4-Methyl-2-pentanone (MIBK)			100	106		ug/L		106	78 - 125	0	30
Acetone			100	92.3		ug/L		92	61 - 134	1	30
Benzene			20.0	20.9		ug/L		105	78 - 126	1	30
Bromoform			20.0	29.3	*	ug/L		146	38 - 144	4	30
Bromomethane			20.0	17.4		ug/L		87	10 - 150	1	30
Carbon disulfide			20.0	18.7		ug/L		93	64 - 138	4	30
Carbon tetrachloride			20.0	25.5		ug/L		127	56 - 131	6	30
Chlorobenzene			20.0	20.7		ug/L		103	80 - 119	0	30
Chlorodibromomethane			20.0	25.4		ug/L		127	58 - 130	1	30
Chloroethane			20.0	18.0		ug/L		90	29 - 150	4	30
Chloroform			20.0	20.2		ug/L		101	78 - 125	3	30
Chloromethane			20.0	17.7		ug/L		88	38 - 150	2	30
cis-1,2-Dichloroethene			20.0	20.2		ug/L		101	78 - 121	1	30
cis-1,3-Dichloropropene			20.0	21.5		ug/L		107	74 - 125	1	30
Cyclohexane			20.0	16.7		ug/L		83	67 - 133	4	30
Dichlorobromomethane			20.0	23.2		ug/L		116	72 - 121	2	30
Dichlorodifluoromethane			20.0	14.5		ug/L		72	31 - 150	5	30
Ethylbenzene			20.0	20.0		ug/L		100	78 - 120	4	30
Ethylene Dibromide			20.0	21.7		ug/L		109	69 - 126	5	30
Isopropylbenzene			20.0	19.8		ug/L		99	79 - 125	1	30
Methyl acetate			40.0	43.2		ug/L		108	70 - 127	4	30
Methyl tert-butyl ether			20.0	18.4		ug/L		92	65 - 131	1	30
Methylcyclohexane			20.0	15.5		ug/L		77	60 - 139	2	30
Methylene Chloride			20.0	18.4		ug/L		92	74 - 127	2	30
m-Xylene & p-Xylene			20.0	18.8		ug/L		94	78 - 123	1	30
o-Xylene			20.0	19.3		ug/L		96	78 - 122	0	30
Xylenes, Total			40.0	38.1		ug/L		95	78 - 122	0	30
Styrene			20.0	19.8		ug/L		99	75 - 127	2	30
Tetrachloroethene			20.0	21.3		ug/L		107	70 - 127	1	30
Toluene			20.0	20.2		ug/L		101	78 - 119	0	30
trans-1,2-Dichloroethene			20.0	18.8		ug/L		94	74 - 126	3	30
trans-1,3-Dichloropropene			20.0	21.2		ug/L		106	66 - 127	1	30
Trichloroethene			20.0	20.7		ug/L		104	71 - 121	0	30
Trichlorofluoromethane			20.0	17.9		ug/L		90	61 - 140	3	30
Vinyl chloride			20.0	17.9		ug/L		90	61 - 144	3	30
1,2-Dichloroethane			20.0	20.2		ug/L		101	75 - 121	0	30
1,2-Dichlorobenzene			20.0	20.4		ug/L		102	79 - 122	3	30
1,2-Dibromo-3-Chloropropane			20.0	27.6		ug/L		138	41 - 143	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 123*
4-Bromofluorobenzene	*98*		*76 - 120*
Dibromofluoromethane (Surr)	*104*		*77 - 124*
Toluene-d8 (Surr)	*100*		*80 - 120*

QC Association Summary

Client: New York State D.E.C.
Job ID: 460-205664-1
Project/Site: DEC - EASTFARMINGDALE1 SITE - ADAMS

GC/MS VOA

Analysis Batch: 684245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-205664-2	152140-MW-14S	Total/NA	Water	8260C	
460-205664-5	152140-MW-1D(OffSite)	Total/NA	Water	8260C	
MB 460-684245/12	Method Blank	Total/NA	Water	8260C	
LCS 460-684245/4	Lab Control Sample	Total/NA	Water	8260C	
460-205664-1 MS	152140-MW-14D	Total/NA	Water	8260C	
460-205664-1 MSD	152140-MW-14D	Total/NA	Water	8260C	

Analysis Batch: 684656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-205664-1	152140-MW-14D	Total/NA	Water	8260C	
460-205664-3	152140-MW-6S	Total/NA	Water	8260C	
460-205664-4	152140-MW-1S (OffSite)	Total/NA	Water	8260C	
460-205664-6	Trip Blank01_20200320	Total/NA	Water	8260C	
MB 460-684656/9	Method Blank	Total/NA	Water	8260C	
LCS 460-684656/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-684656/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-205664-1
Project/Site: DEC - EASTFARMINGDALE1 SITE - ADAMS

Client Sample ID: 152140-MW-14D
Lab Sample ID: 460-205664-1
Date Collected: 03/20/20 09:47
Matrix: Water
Date Received: 03/23/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684656	03/31/20 00:44	EMM	TAL EDI

Client Sample ID: 152140-MW-14S
Lab Sample ID: 460-205664-2
Date Collected: 03/20/20 10:22
Matrix: Water
Date Received: 03/23/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684245	03/28/20 05:01	AVM	TAL EDI

Client Sample ID: 152140-MW-6S
Lab Sample ID: 460-205664-3
Date Collected: 03/20/20 12:02
Matrix: Water
Date Received: 03/23/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684656	03/31/20 01:09	EMM	TAL EDI

Client Sample ID: 152140-MW-1S (OffSite)
Lab Sample ID: 460-205664-4
Date Collected: 03/20/20 13:40
Matrix: Water
Date Received: 03/23/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684656	03/31/20 01:35	EMM	TAL EDI

Client Sample ID: 152140-MW-1D(OffSite)
Lab Sample ID: 460-205664-5
Date Collected: 03/20/20 14:17
Matrix: Water
Date Received: 03/23/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684245	03/28/20 06:42	AVM	TAL EDI

Client Sample ID: Trip Blank01_20200320
Lab Sample ID: 460-205664-6
Date Collected: 03/20/20 14:17
Matrix: Water
Date Received: 03/23/20 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	684656	03/30/20 23:28	EMM	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: 460-205664-1
Project/Site: DEC - EASTFARMINGDALE1 SITE - ADAMS

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	04-01-20
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: 460-205664-1
Project/Site: DEC - EASTFARMINGDALE1 SITE - ADAMS

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: 460-205664-1
Project/Site: DEC - EASTFARMINGDALE1 SITE - ADAMS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-205664-1	152140-MW-14D	Water	03/20/20 09:47	03/23/20 18:00	
460-205664-2	152140-MW-14S	Water	03/20/20 10:22	03/23/20 18:00	
460-205664-3	152140-MW-6S	Water	03/20/20 12:02	03/23/20 18:00	
460-205664-4	152140-MW-1S (OffSite)	Water	03/20/20 13:40	03/23/20 18:00	
460-205664-5	152140-MW-1D(OffSite)	Water	03/20/20 14:17	03/23/20 18:00	
460-205664-6	Trip Blank01_20200320	Water	03/20/20 14:17	03/23/20 18:00	

Chain of Custody Record 401430

eurofins | Environment Testing TestAmerica

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other: NYSDEC

TAL-8210

Client Contact	Project Manager: IAN HOFMANN	Site Contact:	Date:	COC No: NYC 222 COCs
Company Name: EAR	Tel/Email: (631) 447-6400	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.: 205664
Site:	☐ 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)	EPA 8260B	Sample Specific Notes:
152140-MW-14D	3/20/20	9:47	G	AQ	3			3	1
152140-MW-14S		10:22							2
152140-MW-6S		12:02							3
152140-MW-4S (OFFSITE)		13:40							4
152140-MW-1D (OFFSITE)		14:17							5
MW-14DMS		9:47							1
MW-14DMSD		9:47							1
TRIPBLANK01_20200320		—			2			2	6

460-205664 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	3/20/20 15:00	EAR FEDEX	EAR	3/20/20 15:00
[signature]	TA	3/23 11[illegible]	[signature]	TA	3/23/20 1600
[signature]	TA	3.23.2018[illegible]	[signature]	TA	3/23/20 18:00

2-9 IR 11

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3/31/2020

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 205664

Number of Coolers: 1 IR Gun # 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.4 °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: [illegible] Date: 3-23-20

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 460-205664-1

Login Number: 205664 **List Source: Eurofins TestAmerica, Edison**
List Number: 1
Creator: Breton, Jayson J

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	