DEPARTMENT OF THE AIR FORCE
AIR FORCE CIVIL ENGINEER CENTER

DEC 11 2013

MEMORANDUM FOR: U.S. Environmental Protection Agency – Region 2
Attn: Robert Morse
Federal Facilities Section
290 Broadway, 18 Floor
New York, NY 10007-1866

New York State Department of
Environmental Conservation
Attn: Ms. Heather Bishop
Division of Environmental Remediation
625 Broadway 11th Floor
Albany, NY 12233-7015

Ms. Kristin Kulow
New York State Department of Health
Bureau of Environmental Exposure
Investigation
28 Hill Street, Suite 201
Oneonta, NY 13820

FROM: AFCEC/CIBE - Griffiss
Building 45
706 Brooks Road
Rome, New York 13441

SUBJECT: Final Site Investigation Report
DP012 Building 301 AOC
Former Griffiss Air Force Base (AFB) Rome, New York
Contract Number FA8903-10-D-8595: Delivery Order 0014

1. Enclosed is the Final Site Inspection Report for DP012 Building 301 AOC. Site remediation is recommended as a result of the 2013 site investigation at DP012 Building 301 AOC. This revision has been prepared to include the Final Removal Action Plan for DP012 Building 301 AOC which is located as Attachment 1.

2. The draft report was provided on September 23, 2013. Request that review comments, if any, be provided by January 10, 2014.

3. Should you have any questions or concerns please contact me at 315 356 0810 ex 202.

MICHAEL F. MCDERMOTT
Air Force Civil Engineer Center –
AFCEC/CIBE – Griffiss

Enclosures; as noted

FINAL

SITE INVESTIGATION REPORT
LAND USE CONTROL/INSTITUTIONAL CONTROL SITE
(DP012 BUILDING 301 AREA OF CONCERN)

FORMER GRIFFISS AIR FORCE BASE SITE
ROME, NEW YORK

Prepared for:

Air Force Civil Engineer Center
Building 45
706 Brooks Road
Rome, New York 13441

Prepared by:

FPM Remediations Inc.
584 Phoenix Drive
Rome, NY 13441

In association with:

10901 Lowell Avenue, Suite 271

Overland Park, Kansas 66210

Contract Number FA8903-10-D-8595/
Delivery Order 0014

December 2013

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Appendix C Raw Laboratory Results
Appendix D Validated Laboratory Results

ATTACHMENTS

Attachment 1 Remedial Action Plan for DP012 Building 301 AOC

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LIST OF ACRONYMS

AFB	Air Force Base
AFCEC	Air Force Civil Engineer Center
AOC	Area of Concern
AOI	Area of Interest
ARARs	Applicable or Relevant and Appropriate Requirements
bgs	Below ground surface
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
cm^3	CentimeterCubed
COC	Contaminant of concern
CQCR	Chemical Quality Control Report
DGM	Digital Geophysical Mapping
DGPS	Digital Global Positioning System
EM	Electromagnetic
EPA	United States Environmental Protection Agency
ESD	Explanation of Significant Differences
FDA	Fire Demonstration Area
FPM	FPM Remediations, Inc.
ft	Feet
GIS	Geographic Information System
GPR	Ground Penetrating Radar
GSSI	Geophysical Survey Systems, Inc.
IRA	Interim Remedial Action
Kg	Kilogram
LTM	Long Term Monitoring
LUC/IC	Land-Use Control/Institutional Control
m	Meter
MAG	Magnetometer
MHz	Megahertz
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NFA	No Further Action
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation

LIST OF ACRONYMS (continued)

NYSDOH	New York State Department of Health
OTH	Other Site
PCB	Polychlorinated biphenyl
PID	Photoionization detector
RI	Remedial Investigation
ROD	Records of Decision
SCO	Site Cleanup Objective
SOP	Standard Operating Procedure
S-N	South to North
SVOC	Semi-volatile organic compound
UFP QAPP	Uniform Federal Policy Quality Assurance Project Plan
VOC	Volatile organic compound
W-E	West to East
µg	Microgram

1.0 INTRODUCTION

FPM Remediations, Inc. (FPM), in association with CAPE, Inc., under contract with the Air Force Civil Engineer Center (AFCEC), conducted site closure activities at the Land use Control/Institutional Control (LUC/IC) Site DP012 Building 301 Area of Concern (AOC) at the former Griffiss Air Force Base (AFB) in Rome, New York. The objective of the site closure activities is to achieve unrestricted reuse at the site.

1.1 Purpose

The Griffiss Local Redevelopment Agency has implemented reuse and redevelopment for the former Griffiss AFB that includes a mixture of commercial, industrial and airport use. The Air Force's initiative to reduce its long-term environmental liabilities and life cycle costs through site closure creates an opportunity to maximize benefits to the local public, the federal government, and the environment. This site is subject to a deed restriction in the form of land use restrictions for non-residential use. An evaluation of the site, including soil sampling and a geophysical survey, was conducted to determine if residual soil contamination is at levels below the Title 6 - New York Codes, Rules and Regulations (6-NYCRR) Part 375 Residential use Soil Cleanup Objectives (SCOs) (NYSDEC, December 2006) and to confirm the presence/absence of the drywell associated with the site.

The site closure investigation was conducted in accordance with the Final Site Closure Plan for Land use Control/Institutional Control Sites (CAPE/FPM, March 2013). The Updated 2013 Uniform Federal Policy Quality Assurance Project Plan (UFP QAPP) for Performance Based-Remediation at the Former Griffiss AFB (CAPE/FPM, May 2013) and Health and Safety Plan for Performance Based-Remediation at the Former Griffiss AFB (CAPE/FPM, July 2012) were also used in conjunction with the Site Closure Plan.

2.0 RECORD OF DECISION

The ROD for the Building 301 AOC was signed by the Air Force and EPA in September 1999. Based on the previous investigations and environmental conditions at the site, the remedy for the Building 301 AOC was LUC/ICs for commercial/administrative use and groundwater use restrictions (groundwater use restrictions were removed in spring 2012). The ROD for the Building 301 AOC states that:

- The property will be commercial/administrative use unless permission is obtained from the EPA, NYSDEC, and New York State Department of Health (NYSDOH).

3.0 SITE BACKGROUND

Building 301 formerly housed the Entomology Shop, which provided pest control for the base. A drywell was reportedly located in the grassy area at the south east corner of the former building. The drywell was reportedly a 4-foot square by 8-foot deep pit filled with stone and gravel. It was used from the 1940s through 1982 to dispose of small quantities of excess

pesticides and rinse water from pesticide applications. Previous investigations have not been able to locate this drywell.

The Remedial Investigation (RI) for the Building 301 AOC was completed in 1994. Results showed the presence of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, and metals in soils at the site. A risk assessment was also conducted for the RI. For human health, contaminants in the soil and groundwater were within the lower end of the acceptable EPA target risk range for industrial and commercial users.

Long Term Monitoring (LTM) was conducted at the site from 2003 to 2004. Groundwater was deemed not contaminated and monitoring ceased at the site in 2004 with regulatory approval. Removal of the groundwater restriction at the site was accepted by the EPA on June 7, 2012. The removal of the groundwater restriction was also approved by the NYSDEC (email to AFCEC dated June 6, 2012).

A Phase II Environmental Site Assessment performed at the Building 301 AOC in 2010 indicated contaminant of concern (COC) concentrations were below 6-NYCRR Part 375 Residential use SCOs at soil samples.

4.0 SITE CLOSURE INVESTIGATION

The site closure investigation conducted at the Building 301 AOC included a geophysical investigation and soil sampling. The geophysical investigation was conducted to confirm the absence/presence of the drywell at the site and soil sampling was conducted to delineate/confirm the presence of residual soil contamination at the site above 6-NYCRR Part 375 Residential use SCOs.

4.1 Geophysical Investigation

The Geophysical Investigation was conducted in October 2012. A full description of the geophysical survey methodology and field procedures is included in Appendix A.

A grid was established in the DP012 Building 301 AOC centered over the approximate location of the suspected drywell. The grid (and suspected drywell) position was located near the former eastern wall of Building 301 in an area that is now largely covered by grass and trees. The grid dimensions were fifteen meters (m) south to north (S-N) and fifteen meters west to east (W-E). Survey line spacing's were established at 1m spacing in both the W-E and S-N directions. The southern ~4 m of the grid extends over an asphalt parking lot. A sewer manhole cover is located near the southeastern portion of the grid and a communications stick-up is located ~ four meters from the eastern boundary of the grid near the northern boundary. A communications utility line is marked-out in the northeast corner of the grid and a steam line is marked-out near the northwest corner of the grid. The interpreted electromagnetic (EM) and magnetometer (MAG) data results are presented in Figures 1 and 2, respectively. The 200-megahertz (MHz) and 400-MHz ground penetrating radar (GPR) data results are presented in Figures 3 and 4, respectively. Figure 5 presents representative GPR profile cross-sections from the grid.

4.1.1 EM Data Results

The EM data was collected using the Geonics EM61-MK2 metal detector along S-N lines at 1 m line spacing across the entire grid (Figure 1). The locations of the sewer manhole cover and communications stick-up corresponds well with high amplitude anomalies observed in the EM data in those locations. A high amplitude response in the northwest corner of the grid correlates well with the location of the marked-out steam line. Higher amplitude responses in the southwest corner of the grid and along an S-N line in the western third of the grid correspond well with the former location of Building 301 and are interpreted to result from metal in the remnants of the former Building 301 foundation/ substructure. A W-E trending high amplitude response near the southwest corner of the grid associated with the former building footprint may also represent a possible buried pipe. Remaining higher amplitude responses near the north central edge of the grid west and southwest of the communications stick-up are interpreted as the location of possible buried pipes based on the observed semi linear trend of the anomalies.

4.1.2 MAG Data Results

The MAG data were collected, using the G-858G cesium vapor magnetometer, along S-N lines at 1 meter line spacing across the entire grid in the same locations as the EM data (Figure 2). The anomalies evident in the MAG data are similar to those observed in the EM data. Anomalies in the MAG data correspond well with the sewer manhole, communications stick-up, and marked-out steam line and communication line locations. MAG anomalies also correspond well to the interpreted building footprint and possible buried pipe locations.

One notable MAG anomaly near the center of the grid (east of the former building footprint) has no correlation with the EM data because the G-858G cesium vapor magnetometer has a greater effective depth of exploration than the Geonics EM61-MK2 metal detector. The magnetic anomaly in this location is likely objects buried at a depth beyond the detection limit of the EM61. The position of this anomaly is relative to the approximate location of the suspected drywell and has no apparent relationship to known or interpreted utilities. This anomaly shows that a drywell may be located in this area.

Additional anomalies observed correspond with the former building footprint and underground utilities.

4.1.3 GPR Data Results

The investigation of the suspected drywell location at Building 301 consisted of 16 GPR surveys conducted using the 200 MHz antenna in the S-N direction (Figure 3) and 32 GPR surveys using the 400 MHz antenna in the S-N and W-E directions (Figure 4). The additional survey lines following the W-E direction were conducted using the 400 MHz antenna to cover the area due to its higher frequency antenna measurements. A representative GPR profile cross-section from the Grid 301 GPR survey presented in Figure 5 shows the 200- and 400-MHz data for Line 12 East collected in the S-N direction.

The 200-MHz data shows anomalies in the location of the marked-out communication line in the northeast corner of the grid (Figure 3). GPR anomalies in the southwest portion of the grid coincide with a portion of the interpreted building footprint that may also be a possible buried pipe location. A line of anomalies trending NW-SE and intersecting the sewer manhole cover location is interpreted to be a sewer line. The remaining randomly distributed anomalies in the 200-MHz data may result from large rocks or construction debris.

The 400-MHz data show anomalies in locations similar to the 200-MHz data along the marked-out communication line and along the interpreted sewer line and building foot print (Figure 4). A NW-SE trending line of 400-MHz anomalies observed crossing the center of the grid has been interpreted as a possible buried pipe.

The larger number of anomalies observed in the 400-MHz data over the 200-MHz data results from the 400-MHz data being collected in two directions versus one direction for the 200-MHz data and due to the difference in resolution and maximum penetration depth between the two antennas. Also, similar to the 200-MHz data, the 400-MHz datacontains randomly distributed anomalies that may result from large rocks or construction debris.

A representative GPR profile cross-section from the Grid 301 GPR survey depicts the 200- and 400-MHz data for Line 12 East collected in the S-N direction (Figure 5). The profiles show the anomalies associated with the interpreted sewer line at ~3.75 m and marked-out communication line at ~12 m. A disturbed area containing multiple 400-MHz GPR anomalies at various depths at ~5.75 - 9.25 m is interpreted as a possible drywell location. The same interval in the 200-MHz data shows no clear anomalies or other features. The absence of any features in this area versus other portions of the data may indicate a change in the composition of the soil in the area or may indicate that the soil in the area has been disturbed. Also called-out in the profiles is the edge effect on the GPR data from the curb along the parking lot border.

4.1.4 Survey Conclusion

Based on the geophysical survey, the potential drywell location has been identified. All other anomalies can be attributed to underground utilities and/or the former building footprint.

4.2 Soil Sampling

Nine soil samples were collected from three soil borings (direct push) within the Building 301 AOC site boundary (Figure 6) and analyzed for pesticides (using EPA method SW8081). Samples were collected from 0 to 4 ft bgs, 4 to 8 ft bgs, and 8 to 12 ft bgs from each of the borings. Based on historical site uses and previous sampling results, the samples were analyzed for pesticides. Field screening for visual and olfactory characteristics was conducted before sampling. The results of the soil characterization are provided in the daily chemical quality control reports (CQCRs) in Appendix B.

4.2.1 Soil Sampling Results

Pesticide concentrations were below the 6-NYCRR Part 375 Residential use SCOs in all samples collected at soil borings B301SCS-1 and -3. Only one pesticide, dichlorodiphenyl-trichloroethane (DDT) was detected above the 6-NYCRR Part 375 Residential use SCOs in samples collected at soil boring B301SCS-2. DDT was detected with a concentration of 3,000 microgram (µg)/ kilogram (Kg) in the 0 to 4 ft bgs sampling interval. The 6-NYCRR Part 375 Residential use SCO for DDT is 1,700 µg/Kg. The DDT concentrations detected in the 4 to 8 ft bgs and 8 to 12 ft bgs sampling intervals were 230 µg/Kg and 1.2 J µg/Kg, respectively. The J data qualifier indicates that the analyte was positively identified but the quantitation is an estimation. All sampling results are presented in Table 1. All field sampling forms are attached in the daily CQCRs in Appendix B. The validated data is attached in Appendix C and the raw lab data is provided in Appendix D.

4.3 Recommendations

The 2012 geophysical investigation showed a potential drywell location at the site. In addition, the 2013 soil sampling results showed that pesticide levels were above the 6-NYCRR Part 375 Residential use SCOs. Therefore, excavation of the site is recommended. The excavation is proposed to confirm the presence of the drywell and to remove the drywell and pesticide impacted soils. Following the removal, confirmatory soil sampling will be conducted to demontrate that pesticide concentrations are below the 6-NYCRR Part 375 Residential use SCOs. The Removal Action Plan has been included in this report as Appendix E.

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5.0 REFERENCES

Air Force, Basewide Environmental Baseline Survey for the Griffiss Air Force Base, September 1994.

Air Force, Updated Basewide Environmental Baseline Survey for the Griffiss Air Force Base, November 2005.

CAPE/FPM, Updated 2013 Final Uniform Federal Policy Quality Assurance Project Plan for Performance Based-Remediation at the former Griffiss AFB, New York, May 2013.

CAPE/FPM, Final Site Closure Plan for Land use Control/Institutional Control Sites at the former Griffiss AFB, New York, March 2013.

CAPE/FPM, Final Addenda Health and Safety Plan for Performance Based-Remediation at the former Griffiss AFB, New York, July 2012.

Ecology and Environment, Inc, Final Records of Decision for Areas of Concern at the Former Griffiss Air Force Base, Rome, NY, September 1999.

NYSDEC, 6-NYCRR Part 375 Environmental Remediation Programs, December 2006.

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Tables

Table 1
DP012 Building 301 AOC
Soil Sampling Results

Sample Location	NYCRR Part 375 Residential use Soil Cleanup Objectives (µg/Kg)*	B301SCS-1			B301SCS-2			B301SCS-3		
Sample ID		B301SCS0104AA	B301SCS0108AA	B301SCS0112AA	B301SCS0204AA	B301SCS0208AA	B301SCS0212AA	B301SCS0304AA	B301SCS0308AA	B301SCS0312AA
Date of Collection		5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013
Sample Depth (ft bgs)		0-4	4-8	8-12	0-4	4-8	8-12	0-4	4-8	8-12
Pesticides (µg/Kg)										
alpha BHC	97	UJ	U	U	UJ	U	U	UJ	U	U
beta BHC	72	UJ	U	U	UJ	U	U	UJ	U	U
delta BHC	100,000	UJ	U	U	U	U	U	UJ	U	U
gamma BHC (Lindane)	NA	UJ	U	U	UJ	U	U	U	U	U
alpha-Chlordane	91	19	4.5	U	77 J	6.7	U	4.2	1.3 J	0.51 J
gamma-Chlordane	NA	21	5.8	U	81 J	5.8	U	3.8 J	U	U
p,p'-DDD	2,600	14 J	5.8 J	U	270	19	U	U	U	U
p,p'-DDE	1,800	59	30	0.52 J	1500	140	1.1 J	13	3.9	2.4
p,p'-DDT	1,700	160	92	1.2 J	**3000**	230	1.2 J	82	13 J	19 J
aldrin	19	U	U	U	U	U	U	U	U	U
dieldrin	39	0.66 J	U	U	8.5	0.26 J	U	0.97 J	0.99 J	0.24 J
alpha endosulfan	NA	U	U	U	U	U	U	U	U	U
beta endosulfan	NA	U	U	U	U	U	U	U	U	U
endosulfan sulfate	4,800	U	U	U	U	U	U	U	U	U
endosulfan II	4,800	U	U	U	U	U	U	U	U	U
endrin	2200	U	U	U	U	U	U	U	U	U
endrin ketone	NA	U	U	U	4.1 J	U	U	U	U	U
endrin aldehyde	NA	U	U	U	U	U	U	U	U	U
heptachlor	420	1.4 J	0.55 J	U	1.4 J	U	U	U	U	U
heptachlor epoxide	NA	1.3 J	U	U	8.7 J	0.52 J	U	2 J	0.53 J	U
methoxychlor	NA	U	U	U	U	U	U	U	U	U
toxaphene	NA	U	U	U	U	U	U	U	UJ	U

Notes and Data Qualifiers

J = The analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.

NA = Not analyzed

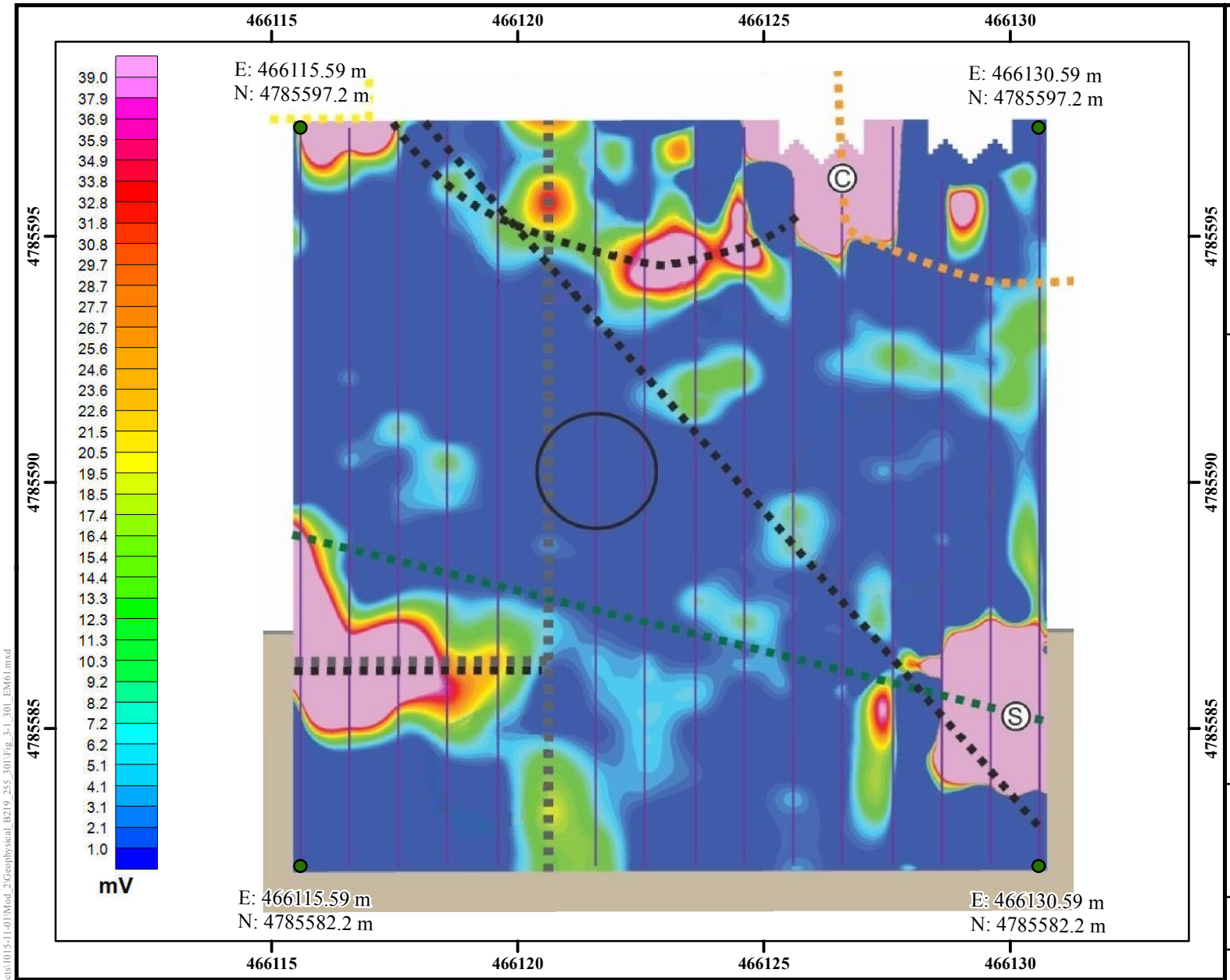
NS = Not sampled

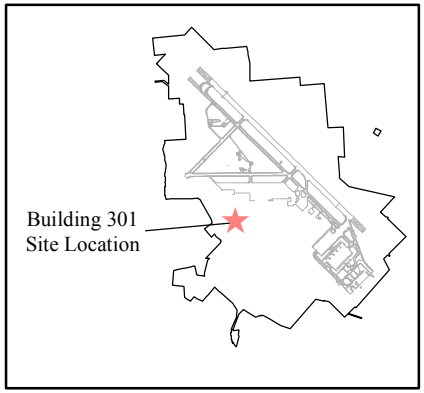
♦ = Duplicate value was used.

-- = No NYCRR Part 375 Soil Cleanup Objective or Background Screening Level is known for this compound.

 = Value exceeded NYSDEC Groundwater standard.

Figures





Legend

- Grid Corner Location
- Sewer Manhole Cover
- Communication Stick Up
- Possible Drywell Location
- EM61 Sensor Position
- Marked Out Comm. Line
- Marked Out Steam Line
- Interpreted Sewer Line
- Interpreted Former Building Footprint
- Possible Buried Pipe
- Asphalt Parking Lot

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FIGURE 1

DP012 Building 301 AOC
Grid 301 EM Data Interpretation
Channel 2 Demedian

FPM Remediations, Inc.

September 2013

NOTES:

Coordinate System:WGS 1984 UTM Zone 18N
Projection: Transverse Mercator
False Easting: 500,000.0000
Central Meridian: -75.0000
Latitude Of Origin: 0.0000

Horizontal Datum: WGS 1984
False Northing: 0.0000
Scale Factor: 0.9996
Units: Meter

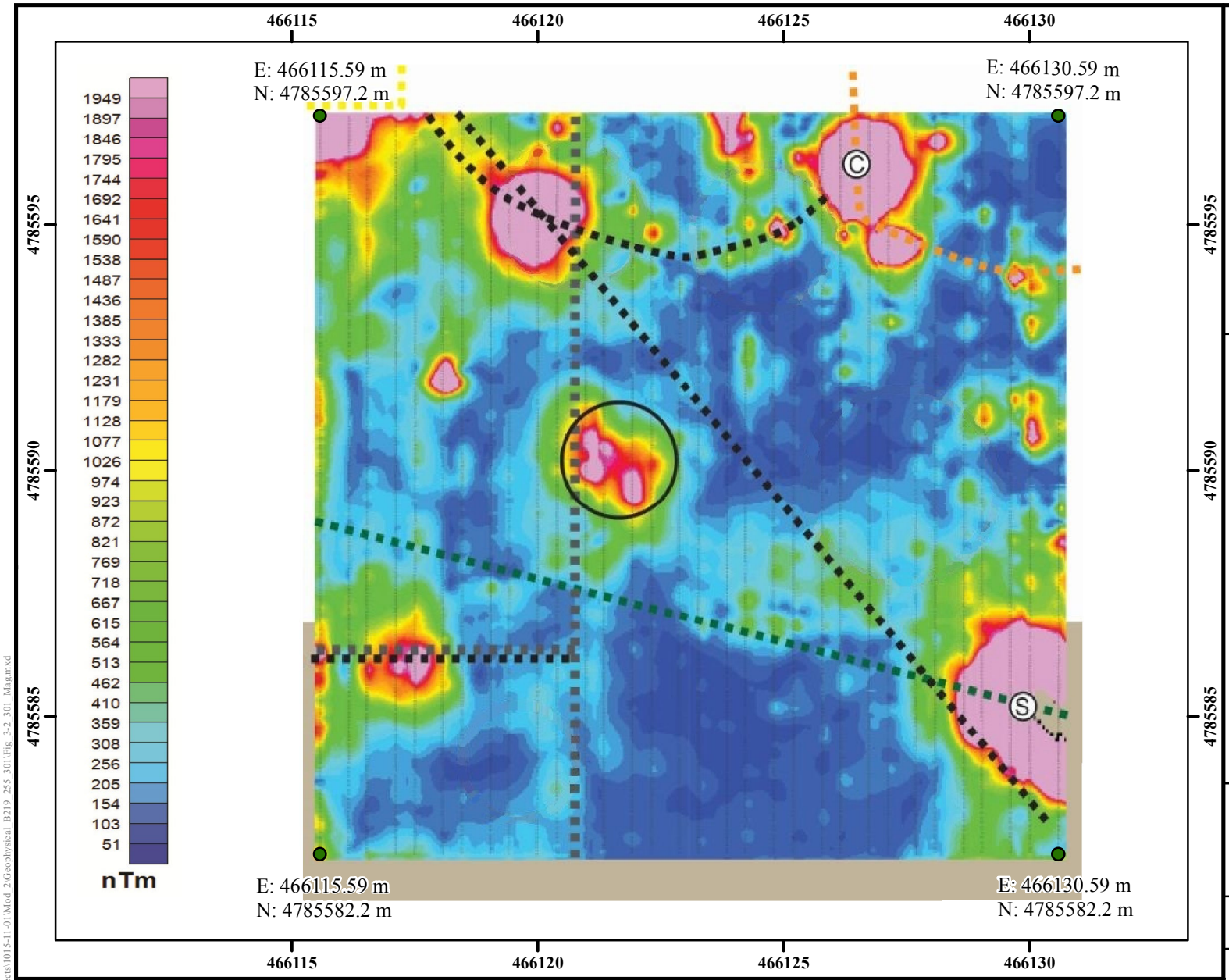
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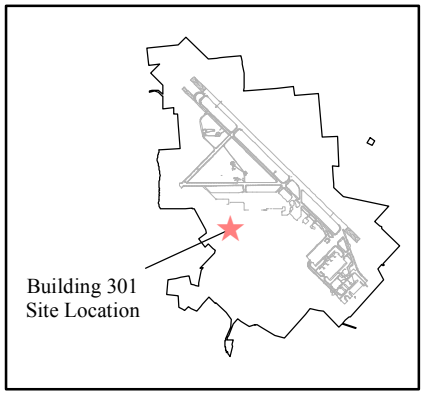
0 2 4 Meters

0 10 20 Feet

N W E S

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Legend

- Grid Corner Location
- Sewer Manhole Cover
- Communication Stick Up
- Possible Drywell Location
- G858 Sensor Position
- Marked Out Com Line
- Marked Out Steam Line
- Interpreted Sewer Line
- Interpreted Former Building Footprint
- Possible Buried Pipe
- Asphalt Parking Lot

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FIGURE 2

DP012 Building 301 AOC
Grid 301 MAG Data Interpretation
Analytic Signal

FPM Remediations, Inc.

September 2013

NOTES:

Coordinate System:WGS 1984 UTM Zone 18N
Projection: Transverse Mercator
False Easting: 500,000.0000
Central Meridian: -75.0000
Latitude Of Origin: 0.0000
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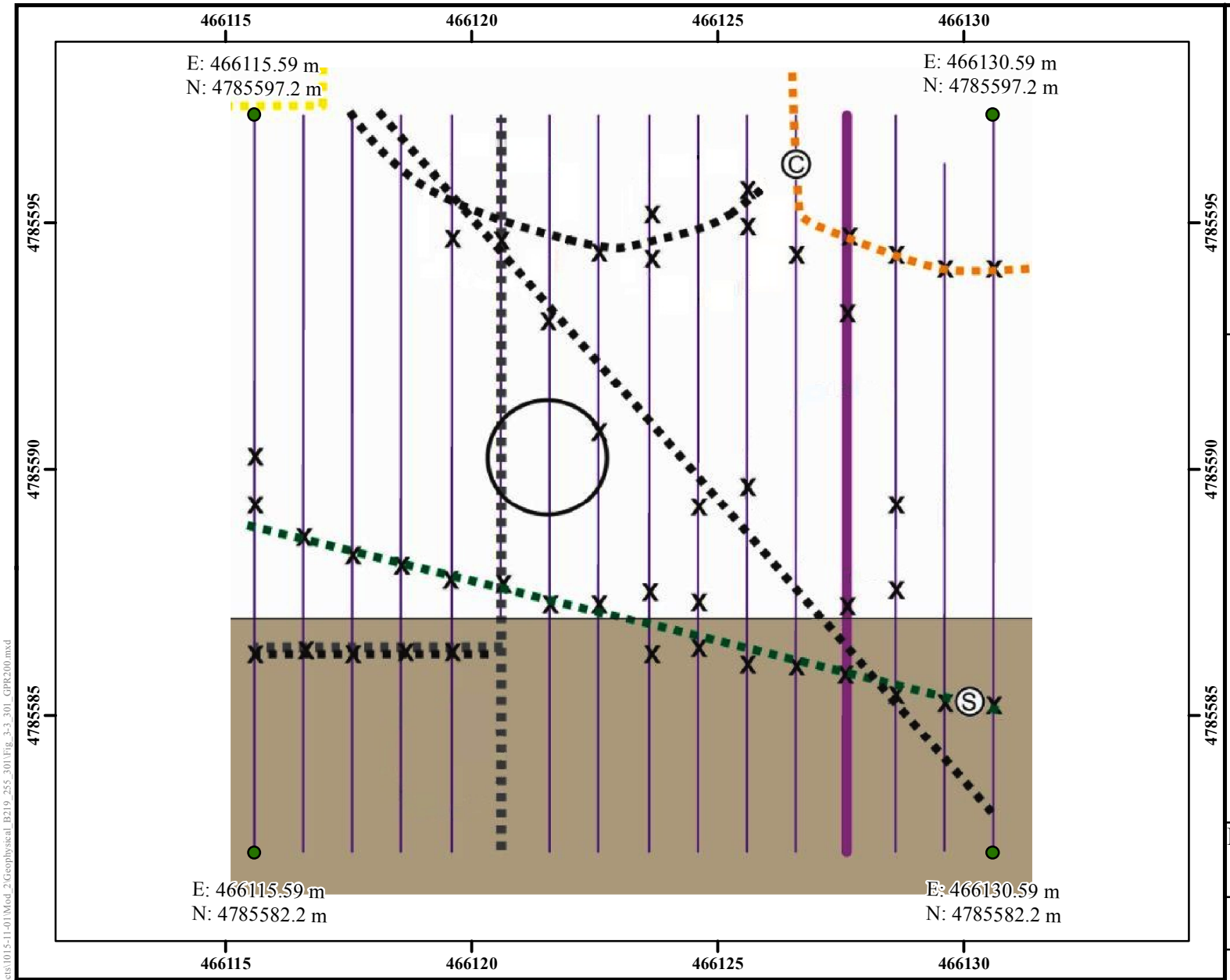
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0 2 4 Meters

0 5 10 20 Feet

N W E S

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Horizontal Datum: WGS 1984
False Northing: 0.0000
Scale Factor: 0.9996
Units: Meter

1 inch = 10 feet

0 2 4 Meters

0 10 20 Feet

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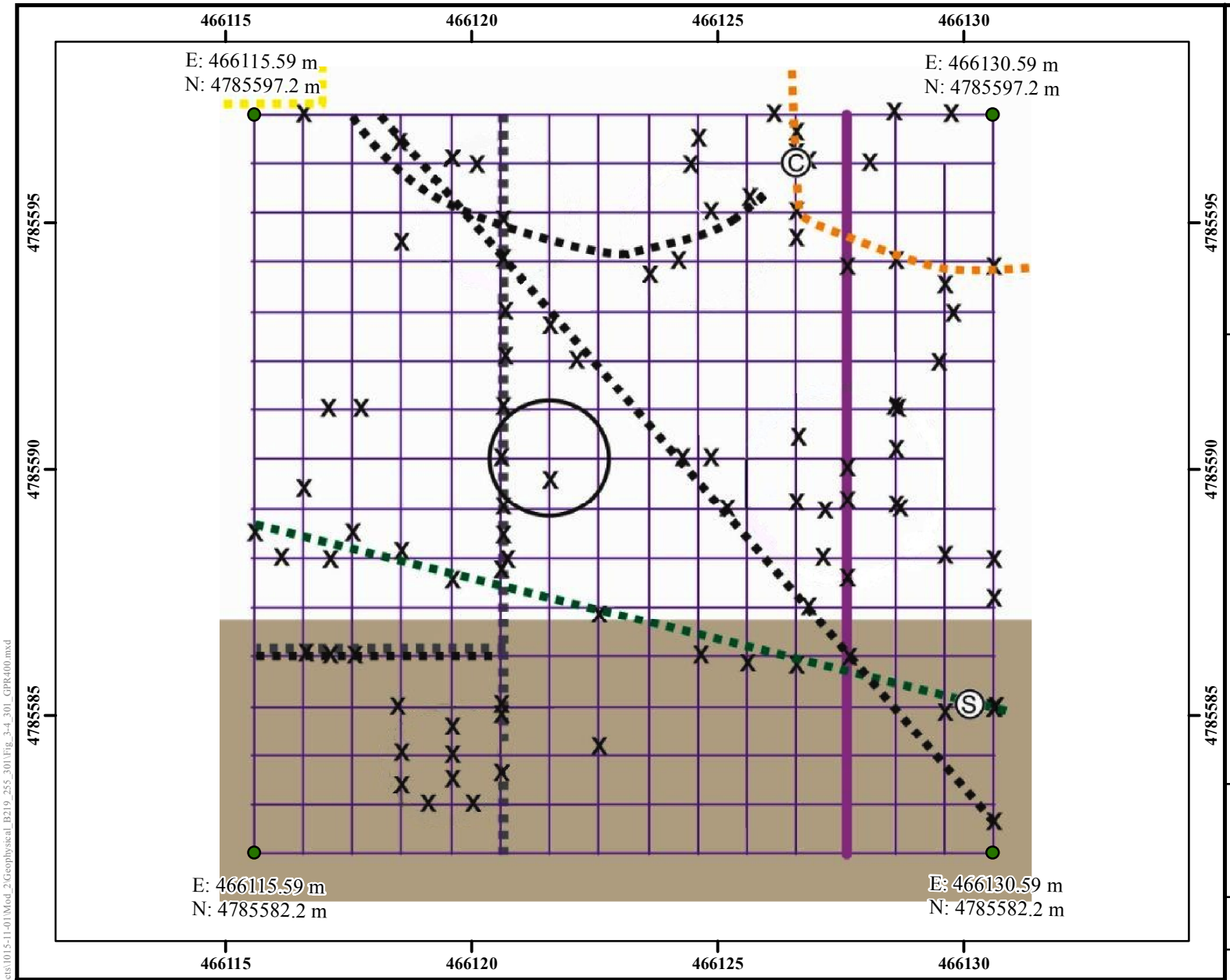
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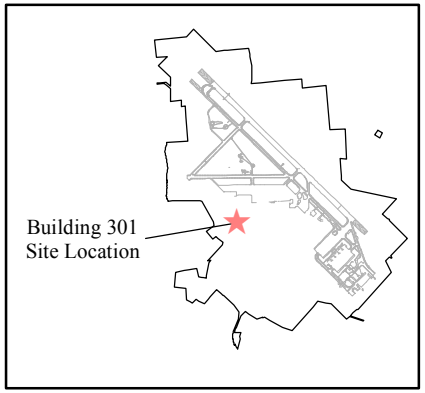
DP012 Building 301 AOC
GPR Data Interpretation
200-MHz Antenna

FPM Remediations, Inc.

September 2013

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Legend

- GPR Anomaly
- Grid Corner Location
- Sewer Manhole Cover
- Communication Stick Up
- Possible Drywell Location
- GPR Transect
- Marked Out Com Line
- Marked Out Steam Line
- Possible Buried Pipe
- Interpreted Sewer Line
- Interpreted Former Building Footprint
- GPR Profile Presented
- Asphalt Parking Lot

NOTES:

Coordinate System:WGS 1984 UTM Zone 18N
Projection: Transverse Mercator
False Easting: 500,000.0000
Central Meridian: -75.0000
Latitude Of Origin: 0.0000
Horizontal Datum: WGS 1984
False Northing: 0.0000
Scale Factor: 0.9996
Units: Meter

1 inch = 10 feet

0 2 4 Meters

0 10 20 Feet

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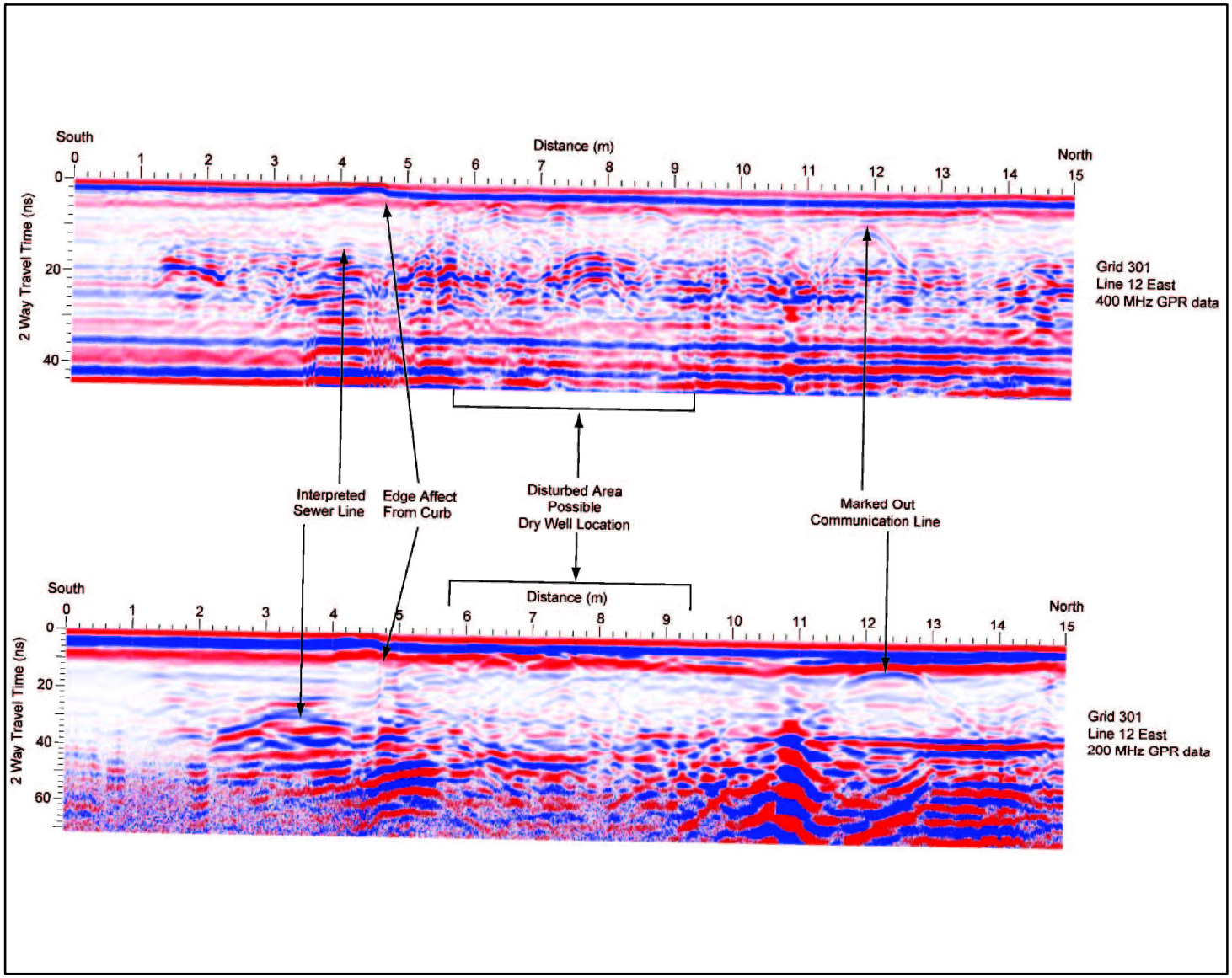
FIGURE 4

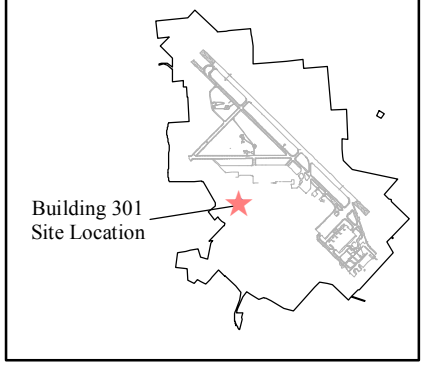
DP012 Building 301 AOC
GPR Data Interpretation
400-MHz Antenna

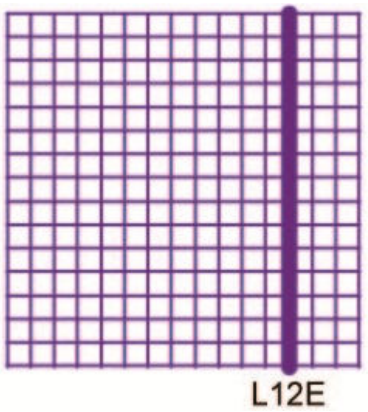
FPM Remediations, Inc.

September 2013

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NOTES:

Coordinate System:WGS 1984 UTM Zone 18N
Projection: Transverse Mercator
False Easting: 500,000.0000
Central Meridian: -75.0000
Latitude Of Origin: 0.0000

Horizontal Datum: WGS 1984
False Northing: 0.0000
Scale Factor: 0.9996
Units: Meter

1 inch = 8 feet

0 2 4 Meters

0 8 16 Feet

N W E S

Former Griffiss Air Force Base
Rome, NY
AFCEC

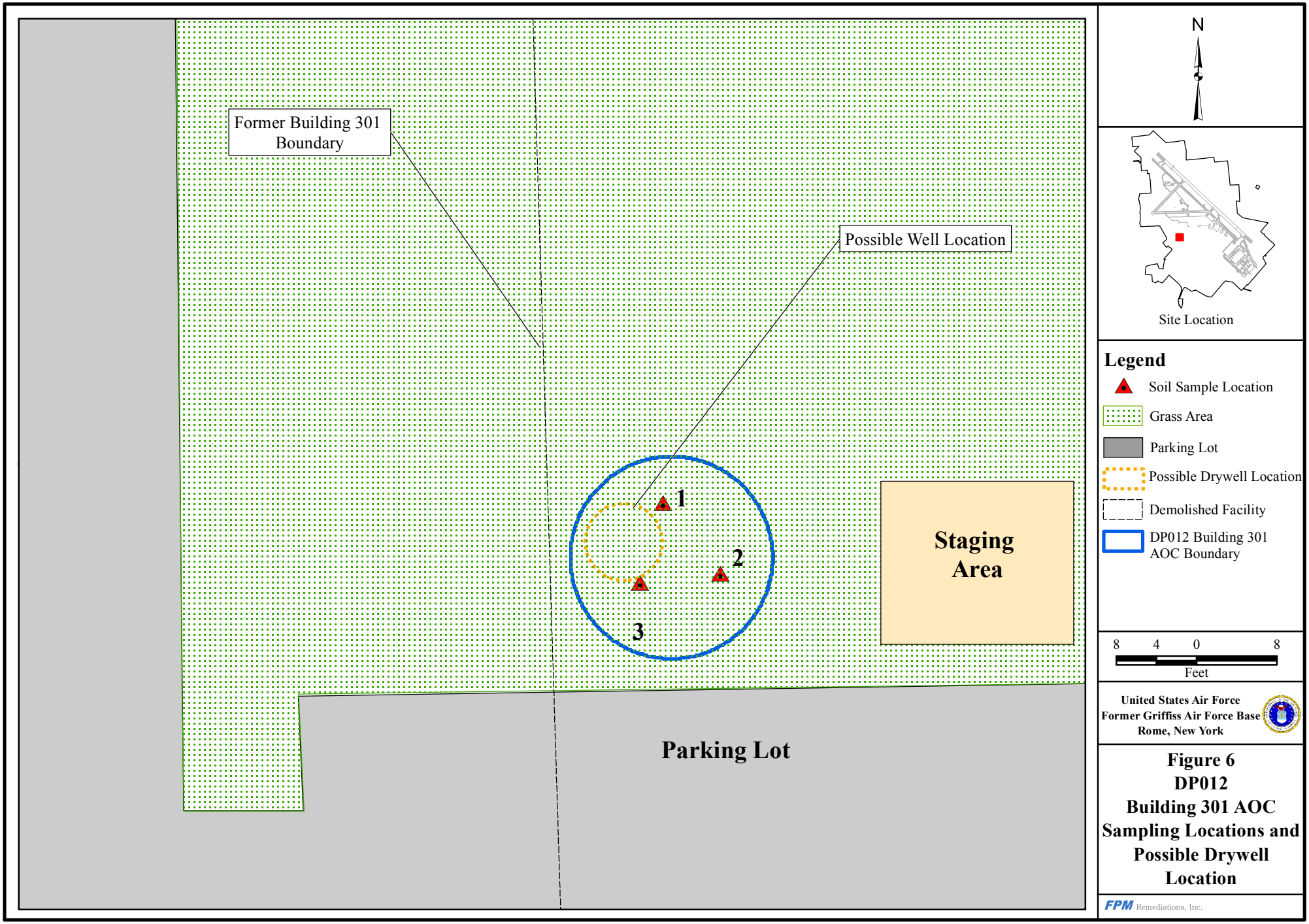
FIGURE 5

DP012 Building 301 AOC
Representative GPR Profile Cross Sections
Line 12 East 200- and 400- MHz Antennas

FPM Remediations, Inc.

July 2013

Path: Y:\GIS_Projects\Griffiss\Projects\1015-11-01\Mod_2\Geophysical_B219_255_301\Fig_3-5_301_GPR_Profile.mxd



Y:\GIS_Projects\Griffiss\Projects\1015-11-01\Mod_2\Building 301\Figure 1 - B301 Sampling Locations-9-19-13.mxd

Appendix A
Geophysical Investigation Methodology and Field Procedures

GEOPHYSICAL SURVEY METHOLODY AND FIELD PROCEDURES

LIST OF ACRONYMS AND ABBREVIATIONS

AFB	Air Force Base
AFCEC	Air Force Civil Engineer Center
AGC	Automatic Gain Control
AOC	Area of Concern
BGS	Below Ground Surface
DGPS	Differential Global Positioning System
EM	Electromagnetic
EM61	Geonics EM61-Mk2 Time Domain Metal Detector
FPM	FPM Remediations, Inc.
G-858	Geometrics G-858G Cesium Vapor Magnetometer
GIS	Global Information System
GNSS	Global Navigation Satellite System
GPR	Ground Penetrating Radar
GSSI	Geophysical Survey Systems, Inc.
Hz	Hertz
m	Meter
MAG	Magnetometer
MHz	Megahertz
mV	Millivolt
nT	Nanotesla
PC	Personal Computer
QC	Quality Control
RI	Remedial Investigation
S-N	South to North
UTM	Universal Transverse Mercator
W-E	West to East
WGS	World Geodetic System

1.0 DESCRIPTION OF SURVEY METHODOLOGY

FPM used the following geophysical instrumentation to perform the geophysical surveys:

- Geophysical Survey Systems, Inc. (GSSI) SIR System-3000 Ground Penetrating Radar (GPR) coupled to 200- and 400-megaHertz (MHz) antennas;
- Geonics EM61-Mk2 Time Domain Electromagnetic metal detector (EM61);
- Geometrics, Inc. G-858G Cesium Vapor Magnetometer (G-858); and
- Trimble Pathfinder Pro XRT Global Navigation Satellite System (GNSS) Differential Global Positioning System (DGPS).

1.1 SURVEY EQUIPMENT AND METHOD DESCRIPTIONS

1.1.1 GPR Survey

The GPR data were collected using the GSSI SIR System-3000 coupled to 200- and 400-MHz antennas. The GPR system operates by introducing a short radar electromagnetic (EM) pulse into the ground. Propagation of the radar pulse is controlled by the dielectric constant (relative permittivity) and electrical conductivity of the materials being investigated. A contrast in the dielectric constant and/or electrical conductivity causes some of the radar energy to be reflected back to the receiver. Reflected radar energy is amplified, digitized and recorded on the SIR 3000's hard drive.

The effective depth of penetration of the radar pulse is controlled by the physical properties of the materials present and the frequency of the transmitted radar pulse. Lower frequency antennas have greater effective penetration depths than higher frequency antennas for all material types. The spatial resolution of the resulting data is dependent on both data density (measurement rate and line spacing) and the frequency of the transmitted radar pulse. Higher frequency antennas resolve smaller features than lower frequency antennas. The higher frequency antenna measurements also record data over a smaller effective area and require a tighter spacing between parallel lines of data to cover an area than a lower frequency antenna.

The detection capabilities of the two antennas were expected to provide complimentary data and present a more complete picture of subsurface conditions. Both antennas were used to collect GPR data over the same lines following the S-N direction survey lines. Additional survey lines following the W-E direction were conducted using the 400 MHz antenna to cover the area due to its higher frequency antenna measurements.

1.1.2 EM Survey

The Geonics EM61 metal detector generates a pulsed primary magnetic field that induces "secondary" eddy currents in the ground and in nearby metal objects. The receiver is timed to measure the induced secondary magnetic field in four time gates after the primary field generated within the ground has dissipated (i.e., measured response is caused only by currents induced in metal objects). The EM61 depth of exploration depends primarily on the size of the target, and to a lesser degree on the type of metal. The EM61 has an effective exploration depth in excess of

3 m for locating large conductive features, and would likely be able to detect an object the size of a metal drum buried at a depth greater than 2.0 to 2.5 meter (m) below ground surface (bgs).

The EM61 system used for the surveys consists of a 1.0-m x 0.5-m coil that was configured in the wheel or "cart" mode for this project. The single coil, which is both a transmitter and receiver, is located 17.5 inches above the ground surface. The nominal sampling width of the EM61 is 1.0 m. EM61 data were recorded on a Juniper Systems, Inc. Allegro data logger.

1.1.3 MAG Survey

The G-858 used for the geophysical surveys consisted of two optically pumped cesium vapor magnetometers that were configured in a horizontal gradiometer array and connected to the G-858 microprocessor console. The horizontal gradiometer array allows for sampling two lines of survey data in one pass. The G-858 total field magnetometer / gradiometer is used for detecting and mapping ferrous metallic objects by measuring the net strength of the total magnetic field simultaneously within the two magnetic sensors. The total magnetic field includes the earth's geomagnetic field [approximately 53,700 nanoTeslas (nT) in Rome, New York] and any anomaly generated from nearby ferromagnetic material. The G-858 depth of exploration depends primarily on the amount of ferromagnetic material present in the target, and would likely be able to detect a ferrous metal drum buried at a depth greater than 3.0 to 3.5 m bgs.

The G-858 system was operated in backpack mode where the two sensors were mounted on a low magnetic signature staff that was carried horizontally by the instrument operator at waist height. The sensors were mounted horizontally, with a nominal sensor separation of 0.6 m (23.6 inches), and carried approximately 0.25 m (10.0 inches) above the ground surface.

1.1.4 DGPS Survey

The Trimble Pathfinder Pro XRT is a 12-channel DGPS unit that utilizes multipath rejection technology and differential correction to provide sub-meter level accuracy. The DGPS was operated in backpack mode with the antenna mounted on a 2 m pole. The DGPS was used to locate the grid corners and to map the locations of known infrastructure such as marked out utilities, manhole covers, drains, utility stick-ups, and any other notable surface features that could affect the geophysical data including natural obstacles. The coordinate system used for the DGPS data was World Geodetic System (WGS) 1984 UTM Zone 18N and the units used were meters.

1.2 QUALITY CONTROL

1.2.1 GPR Survey

Initially, GPR system optimization testing was performed by varying depth range and signal amplitude gain and filter settings to determine system parameters best suited for site subsurface conditions. Once established, these parameters were used for the duration of the surveys. All GPR survey work was performed in accordance with professionally accepted practices and the manufacturer's instrument manual.

1.2.2 EM Survey

Prior to collecting EM61 survey data, a series of quality control (QC) tests were performed to verify the instrument was functioning properly. The tests included cable-shake, personnel, and static-standard. These tests, among others, are detailed in **Table 2-1** below. The EM61 survey work was performed in accordance with professionally accepted practices and the manufacturer's instrument manual.

1.2.3 MAG Survey

Prior to collecting G-858 survey data, a series of QC tests were performed to verify the instrument was functioning properly. The tests included cable-shake, personnel, and static-standard. These tests, among others, are detailed in **Table 2-1** below. The G-858 survey work was performed in accordance with professionally accepted practices and the manufacturer's instrument manual.

Table 1-1
EM61 and G-858 QC Tests

Test Description	Purpose	Acceptance Criteria
Warm-up test (beginning of day)	Warming up electronics (5-15min)	-
Null Instrument (beginning of day)	Performed in an area free of metal, instrument fully warmed up prior to nulling.	-
Personnel Test (beginning of day)	Determines the presence of metal on the operator.	EM - No change in the instrument response
		MAG - ≥ 3 nT change in the instrument response
Cable Shake Test (beginning of day)	Determines the presence of shorts or bad connections within the cables (5 seconds).	Both - data does not exhibit spikes
Static Test (beginning and end of day)	Demonstrates the stability of readings and repeatability of instrument response (3 minutes).	EM - 2.5 milliVolt (mV) peak to peak, < 20% deviation
		MAG - 1 nT peak to peak, < 20% deviation
Standard Test-Instrument Response (beginning and end of day)	Quantifies the response of the instrument to a standard test item (1 minute).	Both - < 20% deviation from test to test
Static Test-System Relaxation (beginning and end of day)	Demonstrates the ability to recover the system after electronic stress caused by standard item (1 minute).	EM - 2.5 mV peak to peak; MAG – 1 nT peak to peak; Both - mean value is approximately same as mean value from Static Test

1.3 FIELD PROCEDURES

1.3.1 Survey Grid Layout

A grid was established in each Area of Concern (AOC) centered over the approximate location of the suspected drywell using GIS. Each grid was set up orthogonally in the south to north (S-N) and west to east (W-E) directions with 15- by 15-m dimensions. The corners of the survey grids were located using the DGPS in the field.

First, the survey lines were laid out in the field with non-metallic tapes using a 1 m line interval in both directions. Then all corners, survey line ends, and intersections were identified with labeled non-metallic flags or using survey marking paint where flagging was not possible (asphalt). The naming convention for the grid based survey lines was that the west-east survey lines were labeled L1N, L2N, L3N, etc. and the south-north lines were labeled L1E, L2E, L3E, etc. The survey grids were established with the southwest corner of the survey area as the origin point (0,0) with X positive to the east and Y positive to the north. Known utilities were marked-out with paint and/or flags prior to the start of the geophysical fieldwork. **Photo 1** shows the grid set up at the Building 301 location, **Photo 2** shows the grid set up at the Building 255 location, and **Photo 3** shows the grid set up at the Building 219 location.

1.3.2 GPR Survey

GPR profile data were collected in the Building 219, 255, and 301 survey areas using 200- and 400-MHz antennas. For the Building 219 survey data using the 400-MHz antenna were collected along 32 survey lines in the S-N and W-E directions and along 25 survey lines using the 200-MHz antenna in the S-N and W-E directions. For the Building 255 survey data using the 400-MHz antenna were collected along 32 survey lines in the S-N and W-E directions and along 28 survey lines using the 200-MHz antenna in the S-N and W-E directions. For the Building 301 survey data using the 400-MHz antenna were collected along 32 survey lines in the S-N and W-E directions and along 16 survey lines using the 200-MHz antenna in the S-N direction. **Photo 4** shows the SIR 3000 system with 200-MHz antenna and **Photo 5** shows the SIR 3000 system with 400-MHz antenna.

GPR data were recorded semi-continuously at 32 scans per second as the antenna was pulled across the survey lines. The data were viewed in real-time on the GPR system color monitor and later processed with GSSI's RADAN® software and printed for data interpretation.

Data file names were recorded on the data file tracking form at the time of acquisition. At the end of each day the GPR data were downloaded to a personal computer (PC) and reviewed using GSSI's RADAN® software. At the end of the investigation the data were backed up in duplicate on a central server.

1.3.3 EM Survey

A Geonics EM61-Mk2 survey was performed at each 15- by 15-m grid location. EM data were collected along 16 parallel S-N lines spaced 1 m apart**.** The EM data were recorded at a rate of 10 Hertz (Hz) (~1 measurement per 0.1 m) along each line. **Photo 6** shows the EM61-MK2 EM system.

Data file names were recorded on the data file tracking form at the time of acquisition. The EM data were recorded in an Allegro data logger. At the end of each day the EM data were downloaded to a PC and reviewed using DAT61MK2 software by Geonics Limited. At the end of the investigation the data were backed up in duplicate on a central server.

1.3.4 MAG Survey

A Geometrics G-858 survey was performed at each 15- by 15-m grid location. MAG data were collected along 16 parallel S-N lines spaced 1 m apart. The MAG data were recorded at a rate of 10 Hertz (Hz) (~1 measurement per 0.1 m) along each line.

Data file names were recorded on the data file tracking form at the time of acquisition. The MAG data were recorded in an Allegro data logger. At the end of each day the MAG data were downloaded to a PC, and reviewed using MagMap2000 software by Geometrics. At the end of the investigation the data were backed up in duplicate on a central server

1.4 DATA PROCESSING AND ANALYSIS

1.4.1 GPR Data

GPR profile data were processed and analyzed using GSSI's RADAN® software. The GPR data were traced balanced and gained using an automatic gain control (AGC) function. A color amplitude function was chosen to enhance features of interest. Targets were manually picked and positional information was evaluated graphically. The results were imported into Adobe Illustrator for presentation as color enhanced profile cross-sections.

1.4.2 EM Data

The raw EM61-MK2 data were converted to Geosoft *.xyz files in Geonics Limited DAT61MK2. EM61-Mk2 data were processed using the Geosoft Oasis Montaj® geophysical data-analysis software to determine the presence or absence of metallic conductors at the site. The geophysical sensor data were evaluated for spikes, gaps, and sensor failure. The data from all four channels were analyzed to determine the most appropriate channel to use to meet the site-specific objectives. The channel 2 data were selected as the most appropriate channel to use for the interpretations. A demedian filter was applied to the geophysical data to remove sensor drift, regional trend, and level the data to a zero baseline. The demedian channel 2 data were gridded and color-enhanced to facilitate recognition of site anomalies. A color amplitude scale (0 – 40 mV) was applied to the gridded data to enhance features of interest. The results were imported into Adobe Illustrator for presentation as color enhanced plan view grid maps.

1.4.3 MAG Data

The Raw total field G-858 binary geophysical data were converted to Geosoft *.xyz files in Geometrics MagMap. The G-858 data were processed using the Geosoft Oasis Montaj® geophysical data-analysis software to determine the presence or absence of ferrous metal objects at the site. The geophysical sensor data were evaluated for spikes, gaps, and sensor failure. A demedian filter was applied to the geophysical data to remove sensor drift, regional trend, and level the data to a zero baseline. The demedian total field data were converted to analytic signal data, gridded, and color-enhanced to facilitate recognition of site anomalies. A color amplitude scale (0 – 2,000 nT/m) was applied to the gridded data to enhance features of interest. The results were imported into Adobe Illustrator for presentation as color enhanced plan view grid maps.

Appendix B
Daily Chemical Quality Control Reports

Daily Chemical Quality Control Report

Project/Delivery Order Number: 1015-11-01 Date: 5/6/2013

Project Name/Site Number: Site Closure Sampling at Building 301 AOC / DP012, Building 255 / DP013, Building 214 / SD050, and DP015 / Building 219

Weather conditions: Temperature: 76 F Barometric reading: 30.22
Wind speed and direction: 13 mph
Significant wind changes: none

General description of tasks completed: Soil Sampling with geoprobe.

Explain any departures from the SAP or deviations from approved procedures during the day's field activities: None

Explain any technical problems encountered in the field or field equipment/field analytical instrument malfunction: None

Corrective actions taken or instructions obtained from AFCEE/USACE personnel: No corrective actions necessary.
None

Sampling shipment completed: √ Yes □ No Airbill #: ....

DCQCR Prepared by: Daniel Baldyga Date: 5/6/13

CQCC Signature: Daniel Baldyga Date: 5/6/13

ATTACHMENTS:

Checklist	Daily Chemical Quality Control Report Attachments
	✓ Field sampling forms
	✓ Equipment Calibration Log
	✓ Copies of COCs
	✓ SDG Table (See accompanying COCs).
	✓ Daily Health and Safety Meeting Form

SOIL / SEDIMENT SAMPLING FORM

Project: 214 SITE CLOSURE Sampled by: MG / JD

Site and Site Code (**SITEID**): 1015 - 11 - 01

Sampling Location ID. (**LOCID**): B214SCS6-2

Date (**LOGDATE**): 5/6/13 Time: 1355

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0 - 4 2' REC	0.0' - 0.4' TOPSOIL: LT BROWN, MOIST, SILT, LITTLE GRAVEL. 0.4' - 2.0' BROWN, MOIST, F-C GRAVEL, LITTLE SILT, LITTLE SAND
4 - 8 1.5' REC	0.0' - 1.5' BROWN, MOIST, F-C GRAVEL, SOME SAND, LITTLE SILT.
8 - 12 2.5' REC	0.0' - 2.5' BROWN, MOIST TO WET, F-C GRAVEL, SOME SAND, TR. SILT

Comments/Observations:

Sample Time: 1406 Sample ID: B214SCS0204AA

Sample Time: 1408 Sample ID: B214SCS0208AA

Sample Time: 1411 Sample ID: B214SCS0212AA

SOIL / SEDIMENT SAMPLING FORM

Project: 214 SITE CLOSURE Sampled by: MG/JD

Site and Site Code (**SITEID**): 1015 - 11 - 01

Sampling Location ID. (**LOCID**): B214SCS-3

Date (**LOGDATE**): 5/6/13 Time: 1345

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0 - 4 2.3' REC	0.0' - 0.3' TOPSOIL: D. BROWN, MOIST, SILT, SOME FINE SAND. 0.3' - 1.4' BROWN, MOIST, F-M SAND, SOME GRAVEL, TR. SILT 1.4 - 2.3' CRUSHED STONE. ~~1.4 - 2.3' [illegible]~~
4 - 8 1.5' REC	0.0' - 0.4' CRUSHED STONE 0.4' - 1.5' D. BROWN, MOIST, F-C GRAVEL, SOME SAND TR. SILT
8 - 12 1.1' REC	0.0' - 1.1' ~~[illegible]~~ D. BROWN, MOIST TO WET, F-C SAND, SOME GRAVEL, TR. SILT.

Comments/Observations:

Sample Time: 1357 Sample ID: B214SCS0304AA

Sample Time: 1359 Sample ID: B214SCS0308AA

Sample Time: 1403 Sample ID: B214SCS0312AA

SOIL / SEDIMENT SAMPLING FORM

Project: 214 SITE CLOSURE Sampled by: MG | JD

Site and Site Code (**SITEID**): 1015-11-01

Sampling Location ID. (**LOCID**): B214SCS-4

Date (**LOGDATE**): 5/6/13 Time: 1335

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0 - 4 0.8' REC	0.0' - 0.6' TOPSOIL: BROWN, DRY, FINE SAND, SOME SILT. 0.6' - 0.8' LT. BROWN, MOIST, FINE SAND, TR. (B)
4 - 8 1.2' REC	0.0' - 0.3' S.A.A. 0.3' - 1.2' D. BROWN, MOIST, F-C GRAVEL, SOME SAND, TR. CLAY
8 - 12 2.4' REC	0.0' - 1.2' S.A.A. 1.2' - 2.4' D. BROWN, WET, F-C GRAVEL, SOME SAND, TR CLAY

Comments/Observations:

Sample Time: 1345 Sample ID: B214SCS0404AA

Sample Time: 1349 Sample ID: B214SCS0408AA

Sample Time: 1353 Sample ID: B214SCS0412AA/AC

(1355)

SOIL / SEDIMENT SAMPLING FORM

Project: B 219 CLOSURE Sampled by: MG/JD

Site and Site Code (**SITEID**): 1015 - 11-01

Sampling Location ID. (**LOCID**): B219 SCS - A 1

Date (**LOGDATE**): 5/6/03 Time: 1140

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0 - 4 1.2' REC	0' - 0.4' TOPSOIL: LT. BROWN, DRY, SILT, LITTLE GRAVEL, TR SAND. 0.4' - 1.2' BROWN, F-C SAND, SOME GRAVEL, TR. CLAY
4 - 8 1.5' REC	0' - 1.5' BROWN, MOIST, F-C GRAVEL, SOME SAND, TR. CLAY
8 - 12 1.5' REC	0 - 1.5' BROWN, WET, S.A.A.

Comments/Observations:

Sample Time: ~~1153~~ 1153 Sample ID: B219SCS0104AA

Sample Time: ~~1156~~ 1156 Sample ID: B219SCS0108AA

Sample Time: ~~1200~~ 1200 Sample ID: B219 SCS 0112AA

SOIL / SEDIMENT SAMPLING FORM

Project: B 219 CLOSURE Sampled by: MG LOD

Site and Site Code (**SITEID**): 1015-11-01

Sampling Location ID. (**LOCID**): B219SCS - 2

Date (**LOGDATE**): 5/6/13 Time: 1149

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0 - 4 1.4' REC	0' - 0.4' TOPSOIL; LT. BROWN, DRY, SILT, LITTLE SAND, TR. SAND. 0.4 - 1.4' BROWN, MOIST, F-C GRAVEL, LITTLE SAND, LITTLE SILT
4 - 8 0.7' REC	0.0 - 0.7' S.A.A. WET AT BOTTOM 0.1'.
8 - 12 1.7' REC	0.0' - 0.8' S.A.A. (MOIST) 0.8' - 1.7' BROWN, WET, F-C SAND, SOME GRAVEL, TR. SILT.

Comments/Observations:

Sample Time: 1208 Sample ID: B219SCS0204AA

Sample Time: 1211 Sample ID: B219SCS0208AA

Sample Time: 1215 Sample ID: B219SCS0212AA

SOIL / SEDIMENT SAMPLING FORM

Project: B219 CLOSURE Sampled by: MA / JD

Site and Site Code (**SITEID**): 1015-11-01

Sampling Location ID. (**LOCID**): B219SCS-3

Date (**LOGDATE**): 5/6/13 Time: 1200

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0-4 2.2' REC	0.0'-0.3' TOPSOIL: LT. BROWN, DRY, FINE SAND, SOME SILT, TR GRAVEL 0.3'-1.3' BROWN, DRY, F-C SAND, SOME GRAVEL, LITTLE SILT 1.3'-1.9' LT BROWN, FINE SAND. 1.9'-2.2' BROWN, MOIST, GRAVEL, SOME SAND, TR. CLAY
4-8 1.0' REC	0-0.4' LT. BROWN, MOIST, FINE SAND. 0.4'-1.0' GRAVEL (F-C), LITTLE CLAY, LITTLE SAND
8-12 1.8' REC	0.0-1.8' BROWN, MOIST TO WET, F-C GRAVEL, SOME SAND, TR SILT, TR CLAY

Comments/Observations:

Sample Time: 1217 Sample ID: B219SCS0304AA / AS / AD

Sample Time: 1221 Sample ID: B219SCS0508AA

Sample Time: 1225 Sample ID: B219SCS0312AA

SOIL / SEDIMENT SAMPLING FORM

Project: B219 CLOSURE Sampled by: MG / JD

Site and Site Code (**SITEID**): 1015-11-01

Sampling Location ID. (**LOCID**): B219SCS - 01

Date (**LOGDATE**): 5/6/13 Time: 1129

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0 - 4 2' REC	0' - 0.3' TOPSOIL: BROWN, DRY SILT, LITTLE F SAND. 0.3' - 0.6' CRUSHED STONE 0.6' - 2.0' BROWN, DRY TO MOIST, F-C SAND, SOME GRAVEL, TRACE CLAY
4 - 8 1.8' REC	0' - 0.5' COBBLE, CRUSHED STONE. 0.5' - 1.8' BROWN, MOIST TO WET, F-C SAND, SOME GRAVEL, LITTLE TO TR. CLAY
8 - 12 2.5' REC	0' - 2.3' S.A.A. 2.3' - 2.5' SILT (BROWN, WET).

Comments/Observations:

Sample Time: 1140 Sample ID: B219SCS0401AA

Sample Time: 1143 Sample ID: B219SCS0408AA

Sample Time: 1145 Sample ID: B219SCS0412AA / AC (1146)

SOIL / SEDIMENT SAMPLING FORM

Project: B 219 Closure Sampled by: MA / SD

Site and Site Code (**SITEID**): 1015-11-01

Sampling Location ID. (**LOCID**): B219SCS-5

Date (**LOGDATE**): 5/6/13 Time: 1115

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0 - 4 1.9' REC	0' - 0.8' TOPSOIL: BROWN, DRY, FINE SAND, SOME SILT, LITTLE GRAVEL. 0.8' - 1.9', BROWN, MOIST F-C SAND, SOME GRAVEL, LITTLE CLAY. WET AT 1.6 - 1.9'
4 - 8 1.3' REC	0.0 - 1.3' BROWN, WET, F-C GRAVEL, SOME SAND, TR CLAY.
8 - 12 1.5' REC	0.0 - 1.5' BROWN, WET, F-C GRAVEL, SOME SAND, LITTLE SILT, TR. CLAY.

Comments/Observations:

Sample Time: 1129 Sample ID: B219SCS0504AA

Sample Time: 1133 Sample ID: B219SCS0508AA

Sample Time: 1137 Sample ID: B219SCS0512AA

SOIL / SEDIMENT SAMPLING FORM

Project: B219 CLOSURE Sampled by: MG/JD

Site and Site Code (**SITEID**): 1015-11-01

Sampling Location ID. (**LOCID**): B219SCS-6

Date (**LOGDATE**): 5/6/13 Time: 1111

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0 - 4 2' REC	0'-0.5' TOPSOIL: BROWN, DRY, SILT, LITTLE F. SAND. 0.5'-2.0' BROWN, MOIST, SILTY CLAY, SOME F-C GRAVEL, LITTLE SAND.
4 - 8 1.7' REC	0'-1.3' BROWN, MOIST TO WET, F-C GRAVEL, SOME F-M SAND, TR. CLAY 1.3'-1.7' COBBLE FRAGMENTS.
8 - 12 2' REC	0'-2.0' BROWN, MOIST TO WET, F-C SAND, SOME GRAVEL, TR. SILT.

Comments/Observations:

UTILITIES EVERYWHERE, MOVE ~ 2' SOUTH.

Sample Time: 1119 Sample ID: B219SCS0604AA

Sample Time: 1124 Sample ID: B219SCS0608AA

Sample Time: 1127 Sample ID: B219SCS0612AA

SOIL / SEDIMENT SAMPLING FORM

Project: 255 SITE CLOSURE Sampled by: MG / JD

Site and Site Code (**SITEID**): 1015 - 11 - 01

Sampling Location ID. (**LOCID**): B255SCS - 1

Date (**LOGDATE**): 5/6/13 Time: 1430

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color	
0 - 4 3.2' REC	0.0' - 0.3' TOPSOIL: BROWN, MOIST, SILT, LITTLE F. SAND 0.3'-0.9' LT. BROWN, MOIST, FINE SAND, LITTLE CLAYEY SILT. 0.9' - 1.4' ASPHALT. 1.4' - 3.2' BROWN, MOIST, F-C SAND, SOME GRAVEL, TR. SILT	PID: < 110 PPB
4 - 8 2.0' REC	0.0' - 1.2' D-BROWN, MOIST, F SAND, SOME SILTY CLAY, LITTLE GRAVEL. 1.2' -2.0' BROWN, MOIST, F-M SAND, SOME GRAVEL, TR. CLAY	< 40 PPB
8 - 12 1.8' REC	0.0' - 1.8' BROWN TO RED BROWN, MOIST, F-C GRAVEL, SOME SAND, TR. TO LITTLE CLAY.	< 40 PPB

Comments/Observations:

NO STAINING OBSERVED, NO ODORS

Sample Time: 1440 Sample ID: B255SCS0104AA/AC (1442)

Sample Time: 1455 Sample ID: B255CS0108AA

Sample Time: 1500 Sample ID: B255CS0112AA

PID: ZERO: 0.0
CAL: 10.2 PPM

SOIL / SEDIMENT SAMPLING FORM

Project: 255 SITE CLOSURE Sampled by: MG / JD

Site and Site Code (**SITEID**): 1015-11-01

Sampling Location ID. (**LOCID**): B255-SCS-2

Date (**LOGDATE**): 5/6/13 Time: 1450

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color	PID
0-4 2.7' REC	0'-0.5' TOPSOIL: BROWN, DRY, SILT, SOME SAND, LITTLE GRAVEL. 0.5'-1.4' LT. BROWN, MOIST, FINE SAND, LITTLE SILT. 1.4-1.5': ASPHALT 1.5-2.7' D. BROWN, MOIST, F-C SAND, SOME GRAVEL, TR. CLAY	< 2391 PPb
4-8 1.3' REC	0.0'-0.8' D. BROWN, MOIST, F SAND, SOME GRAVEL, LITTLE CLAY 0.8'-1.3' LT. BROWN, MOIST, F-C GRAVEL, SOME SAND, LITTLE CLAY.	< 221 PPb
8-12 1.6' REC	0.0'-1.2' S.A.A. 1.2'-1.5' CRUSHED STONE 1.5'-1.6' RUST BROWN, WET, F-C SAND, LITTLE CLAY.	< 451 PPb

Comments/Observations:

NO STAINING OBSERVED. NO ODOR!

Sample Time: 1515 Sample ID: B225SCS0204AA

Sample Time: 1519 Sample ID: B225SCS0208AA

Sample Time: 1525 Sample ID: B225SCS0212AA

SOIL / SEDIMENT SAMPLING FORM

Project: 255 SITE CLOSURE Sampled by: MA / JD

Site and Site Code (**SITEID**): 1015-11-01

Sampling Location ID. (**LOCID**): B255 SCS-3

Date (**LOGDATE**): 5/6/13 Time: 1505

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color	PID
0-4 2.8' REC	0'-0.4' TOPSOIL: BROWN, DRY, SILT, TR SAND, TR GRAVEL 0.4'-0.9' LT. BROWN, MOIST, F SAND, LITTLE GRAVEL, TR. SILT 0.9'-1.8' ASPHALT 1.8'-2.8' BROWN, MOIST, F-C SAND, SOME GRAVEL, LITTLE CLAY, TR. SILT	< 146 PPb @ ASPHALT
4-8 1.6' REC	0.0'-0.8' S.A.A. 0.8'-0.9' CRUSHED COBBLE 0.9'-1.2' BROWN, MOIST, SILTY CLAY, SOME GRAVEL 1.2'-1.6' CRUSHED STONE (COBBLE)	< 5 PPb
8-12 1.8' REC	0.8'-1.8' BROWN, MOIST, F-C+ SAND, SOME GRAVEL, LITTLE (-) CLAY. WET AT BOTTOM	< 5 PPb

Comments/Observations:

NO STAINING OBSERVED, NO ODOR.

Sample Time: 1545 Sample ID: B255SCS0304AA

Sample Time: ~~1552~~ 1552 Sample ID: B255SCS0308AA

Sample Time: 1559 Sample ID: B255SCS0312AA

SOIL / SEDIMENT SAMPLING FORM

Project: 301 CLOSURE Sampled by: MG / JS

Site and Site Code (**SITEID**): 1015-11-01

Sampling Location ID. (**LOCID**): B301SCS-01

Date (**LOGDATE**): 5/6/13 Time: 0940

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0 - 4 2.4' REC	6-6" TOPSOIL, F-M SAND, LITTLE SILT, TR. GRAVEL. DRY, DARK BR. 6"-12" TAN, DRY, F-C GRAVEL, SOME F-M SAND, TR. SILT. 12"-2.4' DARK BROWN, MOIST, F-C SAND, SOME GRAVEL, TR. CLAY W/ COBBLES TAR @ 1.8' BGS
4 - 8 10" REC	0"-10" BROWN, MOIST, F-C GRAVEL, SOME SAND, TR SILT.
8 - 12 3" REC	0-3" REDDISH BROWN, MOIST TO WET, F-C SAND, SOME GRAVEL, TR. SILT. LARGE COBBLE @ 2'

Comments/Observations:

Sample Time: 0948 Sample ID: B301SCS0104AA

Sample Time: 0955 Sample ID: B301SCS0108AA

Sample Time: 1002 Sample ID: B301SCS0112AA/AC/AS/AD (1008)

SOIL / SEDIMENT SAMPLING FORM

Project: 301 SITE CLOSURE Sampled by: MG / JD

Site and Site Code (**SITEID**): B 301

Sampling Location ID. (**LOCID**): B301SCS-02

Date (**LOGDATE**): 5/6/13 Time: 1010

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0 - 4 2.5' REC	0' - 0.9' BROWN, DRY, TOPSOIL: F-C SAND, SOME SILT, LITTLE GRAVEL 0.9 - 2.0' DARK BROWN, MOIST, CLAYEY SILT, LITTLE SAND, LITTLE GRAVEL. 2.0' - 2.5' RUST ORANGE, MOIST, F-C GRAVEL, LITTLE SAND, TR. SILT.
4 - 8 1.5' REC	0' - 0.8' BROWN, MOIST, F-M SAND, SOME GRAVEL, LITTLE SILT. 0.8' - 1.2' CRUSHED COBBLE / GRAVEL 1.2' - 1.5' BROWN, WET TO MOIST, F-C+ SAND, SOME GRAVEL TR. SILT.
8 - 12 2' REC	0' - 0.4' CRUSHED COBBLE / GRAVEL 0.4' - 2.0' BROWN / DARK BROWN, WET, F-C+ SAND, SOME GRAVEL, TR. SILT.

Comments/Observations:

ID TIME

Sample ~~Time~~: B301SCS0204AA Sample ~~ID~~: 1025

Sample ~~Time~~: B301SCS0208AA Sample ~~ID~~: 1027

Sample ~~Time~~: B301SCS0212AA Sample ~~ID~~: 1031

SOIL / SEDIMENT SAMPLING FORM

Project: 301 CLOSURE Sampled by: MG / JD

Site and Site Code (**SITEID**): 1015-11-01

Sampling Location ID. (**LOCID**): B301SCS-03

Date (**LOGDATE**): 5/6/17 Time: 0950

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0 - 4 2.5' REC	0'-1' BROWN, DRY TOPSOIL: F-M SAND, LITTLE SILT, LITTLE GRAVEL. 1'-1.8' BROWN, DRY, F-M SAND, LITTLE GRAVEL, LITTLE SILT. 1.8'-2.5' DRK BROWN, CLAYEY SILT, LITTLE F SAND, TR. GRAVEL
4 - 8 2' REC	0'-2' DRK BROWN, MOIST, SILTY CLAY, SOME GRAVEL, TR. TO LITTLE F SAND.
8 - 12 0.5' REC	0'-0.5' BROWN, WET, F-C GRAVEL, SOME SAND. TR SILT, TR CLAY.

Comments/Observations:

Sample Time: 1012 Sample ID: B301SCS0304AA

Sample Time: 1016 Sample ID: B301SCS0308AA

Sample Time: 1029 Sample ID: B301SCS0312AA

CHAIN OF CUSTODY RECORD

COC#: _4_ SDG#: 2/3 (Open/Closed) Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB DP013 Building 255	Send Results to: Daniel Baldyga FPM Remediations, Inc 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America courier.	Sampler Name: Justin Damann Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs: note 3, 4 oz. jar	Metals: note 4, 4 oz glass jar	VOCs note 3 40mL vials (HCl)	Metals note 4 250 mL poly (HNO_3).	Pesticides note 2 1 L amber bottle	Comments
B255SCS0104AA	B255SCS-1	5/6	1440	SO	G	N	0/0	2	1	1				
B255SCS0108AA	B255SCS-1	5/6	1455	SO	G	N	0/0	2	1	1				
B255SCS0112AA	B255SCS-1	5/6	1500	SO	G	N	0/0	2	1	1				
B255SCS0204AA	B255SCS-2	5/6	1515	SO	G	N	0/0	2	1	1				
B255SCS0208AA	B255SCS-2	5/6	1519	SO	G	N	0/0	2	1	1				
B255SCS0212AA	B255SCS-2	5/6	1525	SO	G	N	0/0	2	1	1				
B255SCS0304AA	B255SCS-3	5/6	1545	SO	G	N	0/0	2	1	1				
B255SCS0308AA	B255SCS-3	5/6	1552	SO	G	N	0/0	2	1	1				
B255SCS0312AA	B255SCS-3	5/6	1559	SO	G	N	0/0	2	1	1				
B255SCS0104AC	B255SCS-1	5/6	1442	SO	G	FD	0/0	2	1	1				
050613AE	FIELDQC	5/6	1630	WQ	G	EB	0/0	6			3	1	2	
050613AF	FIELDQC	5/6	1530	WQ	NA	AB	0/0	3			3			
050613AR	FIELDQC	5/6	0900	WQ	NA	TB	0/0	3			3			

Sample Condition Upon Receipt at Laboratory:	Cooler Temperature:
Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0	
Note 1: Total SVOCs: method SW8270D	
Note 2: Total Pesticides: SW8081B	
Note 3: Total VOCs: SW8260B	
Note 4: Total Metals: SW6010C	

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 5/9/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time: 1630	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date:	#2 Received by: (Sig) R. English	Date: 05-07-13	#3 Received by: (Sig)	Date:
Company Name: FPM	Time:	Company Name: TASyR	Time: 16:30	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab.
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: 2 (Open/Closed) Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB SD050 Building 214 Sampler Name: Justin Damann	Send Results to: Daniel Baldyga FPM Remediations, Inc 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	Metals: note 4 4 oz glass jar	Comments
B214SCS0204AA	B214SCS-2	5/6	1406	SO	G	N	0/0	1	1	
B214SCS0208AA	B214SCS-2	5/6	1408	SO	G	N	0/0	1	1	
B214SCS0212AA	B214SCS-2	5/6	1411	SO	G	N	0/0	1	1	
B214SCS0304AA	B214SCS-3	5/6	1357	SO	G	N	0/0	1	1	
B214SCS0308AA	B214SCS-3	5/6	1359	SO	G	N	0/0	1	1	
B214SCS0312AA	B214SCS-3	5/6	1403	SO	G	N	0/0	1	1	
B214SCS0404AA	B214SCS-4	5/6	1345	SO	G	N	0/0	1	1	
B214SCS0408AA	B214SCS-4	5/6	1349	SO	G	N	0/0	1	1	
B214SCS0412AA	B214SCS-4	5/6	1353	SO	G	N	0/0	1	1	
B214SCS0412AC	B214SCS-4	5/6	1355	SO	G	FD	0/0	1	1	

Sample Condition Upon Receipt at Laboratory: Cooler Temperature:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: Total SVOCs: method SW8270D

Note 2: Total Pesticides: SW8081B

Note 3: Total VOCs: SW8260B

Note 4: Total Metals: SW6010C

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 5/7/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time: 1630	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date:	#2 Received by: (Sig)	Date: 05-07-13	#3 Received by: (Sig)	Date:
Company Name: FPM	Time:	Company Name: TA Syd	Time: 16:30	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab.
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

CHAIN OF CUSTODY RECORD

COC#: _3_ SDG#: _1_ (Open/Closed) Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB DP012 Building 301 Sampler Name: Justin Damann Sampler Signature:	Send Results to: Daniel Baldyga FPM Remediations, Inc 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America courier.		

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	Pesticides: note 2, 4 oz glass jar	Comments
B301SCS0104AA	B301SCS-1	5/6	0948	SO	G	N	0/0	1	1	
B301SCS0108AA	B301SCS-1	5/6	0955	SO	G	N	0/0	1	1	
B301SCS0112AA	B301SCS-1	5/6	1002	SO	G	N	0/0	1	1	
B301SCS0204AA	B301SCS-2	5/6	1025	SO	G	N	0/0	1	1	
B301SCS0208AA	B301SCS-2	5/6	1027	SO	G	N	0/0	1	1	
B301SCS0212AA	B301SCS-2	5/6	1031	SO	G	N	0/0	1	1	
B301SCS0304AA	B301SCS-3	5/6	1012	SO	G	N	0/0	1	1	
B301SCS0308AA	B301SCS-3	5/6	1016	SO	G	N	0/0	1	1	
B301SCS0312AA	B301SCS-3	5/6	1029	SO	G	N	0/0	1	1	
B301SCS0112AC	B301SCS-1	5/6	1008	SO	G	FD	0/0	1	1	
B301SCS0308AS	B301SCS-1	5/6	1016	SO	G	MS	0/0	1	1	
B301SCS0308AD	B301SCS-1	5/6	1016	SO	G	SD	0/0	1	1	

Sample Condition Upon Receipt at Laboratory:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0 Cooler Temperature:

Note 1: Total SVOCs: method SW8270D

Note 2: Total Pesticides: SW8081B
Note 3: Total VOCs: SW8260B
Note 4: Total Metals: SW6010C

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 5/7/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time: 1638	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date:	#2 Received by: (Sig)	Date: 05-07-13	#3 Received by: (Sig)	Date:
Company Name: FPM	Time:	Company Name: TA Sys	Time: 16:30	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab.
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

CHAIN OF CUSTODY RECORD

COC#: _2_ SDG#: 1 2 (Open/Closed) Cooler ID#: _A_

Ship to:	Project Name: Griffiss AFB DP015 Building 219	Send Results to:
Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Sampler Name: Justin Damann	Daniel Baldyga FPM Remediations, Inc 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	Metals: note 4 4 oz glass jar	Comments
B219SCS0104AA	B219SCS-1	5/6	1153	SO	G	N	0/0	1	1	
B219SCS0108AA	B219SCS-1	5/6	1156	SO	G	N	0/0	1	1	
B219SCS0112AA	B219SCS-1	5/6	1200	SO	G	N	0/0	1	1	
B219SCS0204AA	B219SCS-2	5/6	1208	SO	G	N	0/0	1	1	
B219SCS0208AA	B219SCS-2	5/6	1211	SO	G	N	0/0	1	1	
B219SCS0212AA	B219SCS-2	5/6	1215	SO	G	N	0/0	1	1	
B219SCS0304AA	B219SCS-3	5/6	1217	SO	G	N	0/0	1	1	
B219SCS0308AA	B219SCS-3	5/6	1221	SO	G	N	0/0	1	1	
B219SCS0312AA	B219SCS-3	5/6	1225	SO	G	N	0/0	1	1	
B219SCS0404AA	B219SCS-4	5/6	1140	SO	G	N	0/0	1	1	
B219SCS0408AA	B219SCS-4	5/6	1143	SO	G	N	0/0	1	1	
B219SCS0412AA	B219SCS-4	5/6	1145	SO	G	N	0/0	1	1	
B219SCS0504AA	B219SCS-5	5/6	1129	SO	G	N	0/0	1	1	
B219SCS0508AA	B219SCS-5	5/6	1133	SO	G	N	0/0	1	1	
B219SCS0512AA	B219SCS-5	5/6	1137	SO	G	N	0/0	1	1	

B219SCS0604AA	B219SCS-6	5/6	1119	SO	G	N	0/0	1	1	
B219SCS0608AA	B219SCS-6	5/6	1124	SO	G	N	0/0	1	1	
B219SCS0612AA	B219SCS-6	5/6	1127	SO	G	N	0/0	1	1	
B219SCS0412AC	B219SCS-4	5/6	1146	SO	G	FD	0/0	1	1	
B219SCS0304AS	B219SCS-3	5/6	1217	SO	G	MS	0/0	1	1	
B219SCS0304AD	B219SCS-3	5/6	1217	SO	G	SD	0/0	1	1	

Sample Condition Upon Receipt at Laboratory: Cooler Temperature:
Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0
Note 1: Total SVOCs: method SW8270D
Note 2: Total Pesticides: SW8081B
Note 3: Total VOCs: SW8260B
Note 4: Total Metals: SW6010C

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 1630	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time: 5-7-13	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date:	#2 Received by: (Sig) R English	Date: 05-07-13	#3 Received by: (Sig)	Date:
Company Name: FPM	Time:	Company Name: TA Sya	Time: 16:30	Company Name:	Time:

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
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G = Grab.
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Daily Health and Safety Meeting Form

Date: 5/6/13 *Time :* 830

Location: FPM office (sample room)

Weather Conditions: sunny / 70°s

Meeting Type: Daily Health and Safety

Personnel Present:

Dan Baldyga, Justin Damann, Mike Grifasi, Josh Wenzel

Visitors Present: None

Visitor Training: None

PPE Required: Modified D

Possible risks, injuries, concerns:

underground utilities (unmarked), slip/trip/fall, car traffic.

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

None

Property Damage:

None

Description (include sequence of events describing step by step how incident happened):

None

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

None

Report made by (Name): Dan Baldyga

SSHP Organization Title: Site Safety and Health Officer

Appendix C
Raw Laboratory Results

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-42047-1

Job Description: Griffiss AFB DP012 Bldg 301

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

M. Elaine Walker

Approved for release.
Elaine Walker
Project Manager I
5/31/2013 2:49 PM

Elaine Walker, Project Manager I
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0156
elaine.walker@testamericainc.com
05/31/2013

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB DP012 Bldg 301
Report Number: 280-42047-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

Eleven samples were received on 05/08/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 0.1ºC and 0.4ºC.

MS/MSD analyses were requested and performed on sample B301SCS0308AA (280-42047-8).

Per email from the client on 05/10/2013, the equipment blank received for pesticides analysis was received with the samples in TestAmerica job 280-42039-1. However, there were no pesticides requested with that delivery group, and the pesticide equipment blank (050613AE) was logged with the samples received for DP012 Building 301, reported in this delivery group.

CHLORINATED PESTICIDES (GC) - SOIL

Samples B301SCS0104AA (280-42047-1), B301SCS0108AA (280-42047-2), B301SCS0112AA (280-42047-3), B301SCS0204AA (280-42047-4), B301SCS0208AA (280-42047-5), B301SCS0212AA (280-42047-6), B301SCS0304AA (280-42047-7), B301SCS0308AA (280-42047-8), B301SCS0312AA (280-42047-9), and B301SCS0112AC (280-42047-10) were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081B. The samples were prepared on 05/15/2013 and analyzed on 05/29/2013 and 05/30/2013.

TestAmerica Denver's practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

The Tetrachloro-m-xylene surrogate failed the recovery criteria low for samples B301SCS0104AA (280-42047-1) and B301SCS0108AA (280-42047-2) (primary and confirmation column; diluted and undiluted), The Decachlorobiphenyl surrogate failed the recovery criteria high on the confirmation analyses (undiluted and diluted). The sample results have been flagged "Q".

The Decachlorobiphenyl surrogate failed the recovery criteria high for sample B301SCS0204AA (280-42047-4) on the primary and confirmation analyses (undiluted analysis). The Tetrachloro-m-xylene surrogates and failed the recovery criteria low on the confirmation analysis (undiluted analysis). The Tetrachloro-m-xylene and Decachlorobiphenyl surrogates failed the recovery criteria low on the primary and confirmation columns (diluted analysis). The sample results have been flagged "Q".

The Tetrachloro-m-xylene surrogate failed the recovery criteria low for sample B301SCS0208AA (280-42047-5) on the confirmation column (diluted analysis). The sample results have been flagged "Q".

The Decachlorobiphenyl surrogate failed the recovery criteria high for sample B301SCS0304AA (280-42047-7) on the primary column (undiluted analysis) and on the secondary column (diluted and undiluted analyses). The Tetrachloro-m-xylene surrogate failed the recovery criteria low for the confirmation column (undiluted and diluted analyses). The sample results have been flagged "Q".

The Tetrachloro-m-xylene surrogate failed the recovery criteria low for samples B301SCS0308AA (280-42047-8) on the primary column (undiluted and diluted analyses) and on the secondary column (diluted analysis), B301SCS0308AAMS (280-42047-8MS), B301SCS0308AAMSD (280-42047-8MSD). The sample results have been flagged "Q".

The Tetrachloro-m-xylene surrogate failed the recovery criteria low for sample B301SCS0312AA (280-42047-9) on the primary and confirmation columns (diluted analysis). The sample results have been flagged "Q".

Toxaphene failed the recovery criteria high for the matrix spike (MS) and matrix spike duplicate (MSD) of sample B301SCS0308AA (280-42047-8) in batch 280-176329. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

The continuing calibration verification (CCV) for beta-BHC, delta-BHC, gamma-BHC, and Toxaphene associated with analytical batch 280-176329 recovered above the upper control limit on the front column. The samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported from the back column or qualified on the front column.

The continuing calibration verification (CCV) for Toxaphene associated with analytical batch 280-176496 recovered above the upper control limit. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported and flagged "Q".

Samples B301SCS0104AA (280-42047-1), B301SCS0108AA (280-42047-2), B301SCS0204AA (280-42047-4), B301SCS0208AA (280-42047-5), B301SCS0304AA (280-42047-7), B301SCS0308AA (280-42047-8), and B301SCS0312AA (280-42047-9) required dilutions prior to analysis due to the nature of the sample matrix and/or to bring the concentration of target analytes within the calibration range. The reporting limits have been adjusted accordingly.

The following samples required a Florisil clean-up to reduce matrix interferences: B301SCS0104AA (280-42047-1), B301SCS0108AA (280-42047-2), B301SCS0204AA (280-42047-4), B301SCS0208AA (280-42047-5), B301SCS0304AA (280-42047-7), B301SCS0308AA (280-42047-8), B301SCS0308AD (280-42047-8 MSD), B301SCS0308AS (280-42047-8 MS), and B301SCS0312AA (280-42047-9).

No other difficulties were encountered during the pesticides analyses.

All other quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES (GC) - WATER

Sample 050613AE (280-42047-11) was analyzed for semivolatile organic compounds (GC) in accordance with EPA SW-846 Method 8081B. The sample was prepared on 05/13/2013 and analyzed on 05/15/2013.

TestAmerica Denver's practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

No difficulties were encountered during the pesticides analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples B301SCS0104AA (280-42047-1), B301SCS0108AA (280-42047-2), B301SCS0112AA (280-42047-3), B301SCS0204AA (280-42047-4), B301SCS0208AA (280-42047-5), B301SCS0212AA (280-42047-6), B301SCS0304AA (280-42047-7), B301SCS0308AA (280-42047-8), B301SCS0312AA (280-42047-9), and B301SCS0112AC (280-42047-10) were analyzed for percent solids in accordance with EPA SW846 3550C. The samples were analyzed on 05/23/2013.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 171763

Lab Sample ID: STD4 280-171763/26 IC Client Sample ID:

Date Analyzed: 04/29/13 20:13 Lab File ID: 04290026.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:05

Lab Sample ID: STD4 280-171763/26 IC Client Sample ID:

Date Analyzed: 04/29/13 20:13 Lab File ID: 04290026.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:05

Lab Sample ID: STD3 280-171763/27 IC Client Sample ID:

Date Analyzed: 04/29/13 20:31 Lab File ID: 04290027.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:06

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 171763

Lab Sample ID: STD3 280-171763/27 IC Client Sample ID:

Date Analyzed: 04/29/13 20:31 Lab File ID: 04290027.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Split Peak	wellsd	04/30/13 10:07
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:06

Lab Sample ID: STD2 280-171763/28 IC Client Sample ID:

Date Analyzed: 04/29/13 20:48 Lab File ID: 04290028.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:06

Lab Sample ID: STD2 280-171763/28 IC Client Sample ID:

Date Analyzed: 04/29/13 20:48 Lab File ID: 04290028.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Split Peak	wellsd	04/30/13 10:06
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:06

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 171763

Lab Sample ID: STD1 280-171763/29 IC Client Sample ID:

Date Analyzed: 04/29/13 21:06 Lab File ID: 04290029.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 2	6.36	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:06

Lab Sample ID: STD1 280-171763/29 IC Client Sample ID:

Date Analyzed: 04/29/13 21:06 Lab File ID: 04290029.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Split Peak	wellsd	04/30/13 10:07
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:06

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 174317

Lab Sample ID: CCV 280-174317/17 Client Sample ID:

Date Analyzed: 05/15/13 15:59 Lab File ID: 05150017.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 4	7.53	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	05/16/13 06:54

Lab Sample ID: LCS 280-174025/6-A Client Sample ID:

Date Analyzed: 05/15/13 16:34 Lab File ID: 05150019.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.68	Split Peak	wellsd	05/16/13 06:54
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	05/16/13 06:54

Lab Sample ID: CCV 280-174317/28 Client Sample ID:

Date Analyzed: 05/15/13 19:11 Lab File ID: 05150028.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	05/16/13 06:55
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	05/16/13 06:55
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	05/16/13 06:55
Toxaphene Peak 4	7.53	Baseline Smoothing	wellsd	05/16/13 06:55
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	05/16/13 06:55

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 173579

Lab Sample ID: STD6 280-173579/24 IC Client Sample ID:

Date Analyzed: 05/09/13 23:51 Lab File ID: 05090024.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.19	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD6 280-173579/24 IC Client Sample ID:

Date Analyzed: 05/09/13 23:51 Lab File ID: 05090024.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.38	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD5 280-173579/25 IC Client Sample ID:

Date Analyzed: 05/10/13 00:07 Lab File ID: 05090025.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.20	Baseline Smoothing	wellsd	05/10/13 08:31

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 173579

Lab Sample ID: STD5 280-173579/25 IC Client Sample ID:

Date Analyzed: 05/10/13 00:07 Lab File ID: 05090025.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.37	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD4 280-173579/26 IC Client Sample ID:

Date Analyzed: 05/10/13 00:24 Lab File ID: 05090026.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.19	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD4 280-173579/26 IC Client Sample ID:

Date Analyzed: 05/10/13 00:24 Lab File ID: 05090026.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.38	Baseline Smoothing	wellsd	05/10/13 08:31

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 173579

Lab Sample ID: STD3 280-173579/27 IC Client Sample ID:

Date Analyzed: 05/10/13 00:40 Lab File ID: 05090027.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.20	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD3 280-173579/27 IC Client Sample ID:

Date Analyzed: 05/10/13 00:40 Lab File ID: 05090027.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.95	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.37	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD2 280-173579/28 IC Client Sample ID:

Date Analyzed: 05/10/13 00:57 Lab File ID: 05090028.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 5	8.20	Baseline Smoothing	wellsd	05/10/13 08:32

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 173579

Lab Sample ID: STD2 280-173579/28 IC Client Sample ID:

Date Analyzed: 05/10/13 00:57 Lab File ID: 05090028.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 5	8.38	Baseline Smoothing	wellsd	05/10/13 08:32

Lab Sample ID: ICV 280-173579/30 Client Sample ID:

Date Analyzed: 05/10/13 01:30 Lab File ID: 05090030.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 5	8.20	Baseline Smoothing	wellsd	05/10/13 08:33

Lab Sample ID: ICV 280-173579/30 Client Sample ID:

Date Analyzed: 05/10/13 01:30 Lab File ID: 05090030.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.67	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 5	8.38	Baseline Smoothing	wellsd	05/10/13 08:33

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: CCV 280-176329/11 Client Sample ID:

Date Analyzed: 05/29/13 16:27 Lab File ID: 05290011.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.11	Baseline Smoothing	wellsd	05/30/13 07:09
Toxaphene Peak 2	6.62	Baseline Smoothing	wellsd	05/30/13 07:09
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/30/13 07:09
Toxaphene Peak 4	7.70	Baseline Smoothing	wellsd	05/30/13 07:09
Toxaphene Peak 5	8.17	Baseline Smoothing	wellsd	05/30/13 07:09

Lab Sample ID: LCS 280-174346/3-A Client Sample ID:

Date Analyzed: 05/29/13 17:50 Lab File ID: 05290016.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 2	6.62	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/30/13 07:10

Lab Sample ID: CCV 280-176329/18 Client Sample ID:

Date Analyzed: 05/29/13 18:23 Lab File ID: 05290018.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 2	6.63	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 3	7.31	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/30/13 07:10

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: 280-42047-3 Client Sample ID: B301SCS0112AA

Date Analyzed: 05/29/13 19:12 Lab File ID: 05290021.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,4'-DDE	6.50	Baseline Smoothing	wellsd	05/30/13 07:11
4,4'-DDT	7.39	Baseline Smoothing	wellsd	05/30/13 07:11

Lab Sample ID: 280-42047-6 Client Sample ID: B301SCS0212AA

Date Analyzed: 05/29/13 20:02 Lab File ID: 05290024.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-Chlordane	6.17	Baseline Smoothing	wellsd	05/30/13 07:25
4,4'-DDE	6.50	Baseline Smoothing	wellsd	05/30/13 07:25
4,4'-DDD	7.08	Baseline Smoothing	wellsd	05/30/13 07:25
4,4'-DDT	7.39	Baseline Smoothing	wellsd	05/30/13 07:25

Lab Sample ID: 280-42047-10 Client Sample ID: B301SCS0112AC

Date Analyzed: 05/29/13 21:08 Lab File ID: 05290028.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha-Chlordane	6.33	Baseline Smoothing	wellsd	05/30/13 07:26
4,4'-DDE	6.50	Baseline Smoothing	wellsd	05/30/13 07:26
4,4'-DDD	7.08	Baseline Smoothing	wellsd	05/30/13 07:26
4,4'-DDT	7.39	Baseline Smoothing	wellsd	05/30/13 07:26

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: CCV 280-176329/30 Client Sample ID:

Date Analyzed: 05/29/13 21:41 Lab File ID: 05290030.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/30/13 07:26
Toxaphene Peak 2	6.63	Baseline Smoothing	wellsd	05/30/13 07:26
Toxaphene Peak 3	7.31	Baseline Smoothing	wellsd	05/30/13 07:26
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:26
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/30/13 07:26

Lab Sample ID: 280-42047-2 Client Sample ID: B301SCS0108AA

Date Analyzed: 05/29/13 22:14 Lab File ID: 05290032.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-Chlordane	6.17	Split Peak	wellsd	05/30/13 07:27

Lab Sample ID: 280-42047-8 MS Client Sample ID: B301SCS0308AA MS

Date Analyzed: 05/30/13 00:09 Lab File ID: 05290039.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.13	Split Peak	wellsd	05/30/13 07:31
Toxaphene Peak 2	6.62	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 5	8.16	Baseline Smoothing	wellsd	05/30/13 07:31

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: 280-42047-8 MS Client Sample ID: B301SCS0308AA MS

Date Analyzed: 05/30/13 00:09 Lab File ID: 05290039.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.64	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 2	6.91	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 3	7.26	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 4	7.52	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 5	8.34	Baseline Smoothing	wellsd	05/30/13 07:31
DCB Decachlorobiphenyl	9.42	Baseline Smoothing	wellsd	05/30/13 07:31

Lab Sample ID: 280-42047-8 MSD Client Sample ID: B301SCS0308AA MSD

Date Analyzed: 05/30/13 00:25 Lab File ID: 05290040.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.13	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 2	6.62	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 5	8.16	Baseline Smoothing	wellsd	05/30/13 07:31

Lab Sample ID: 280-42047-8 MSD Client Sample ID: B301SCS0308AA MSD

Date Analyzed: 05/30/13 00:25 Lab File ID: 05290040.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.64	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 2	6.92	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 3	7.26	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 4	7.52	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 5	8.34	Baseline Smoothing	wellsd	05/30/13 07:31

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: CCV 280-176329/43 Client Sample ID:

Date Analyzed: 05/30/13 01:15 Lab File ID: 05290043.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/30/13 07:32
Toxaphene Peak 2	6.63	Baseline Smoothing	wellsd	05/30/13 07:32
Toxaphene Peak 3	7.31	Baseline Smoothing	wellsd	05/30/13 07:32
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:32
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/30/13 07:32

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 171763

Lab Sample ID: STD4 280-171763/26 IC Client Sample ID:

Date Analyzed: 04/29/13 20:13 Lab File ID: 04290026.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:05

Lab Sample ID: STD4 280-171763/26 IC Client Sample ID:

Date Analyzed: 04/29/13 20:13 Lab File ID: 04290026.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:05

Lab Sample ID: STD3 280-171763/27 IC Client Sample ID:

Date Analyzed: 04/29/13 20:31 Lab File ID: 04290027.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:06

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 171763

Lab Sample ID: STD3 280-171763/27 IC Client Sample ID:

Date Analyzed: 04/29/13 20:31 Lab File ID: 04290027.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Split Peak	wellsd	04/30/13 10:07
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:06

Lab Sample ID: STD2 280-171763/28 IC Client Sample ID:

Date Analyzed: 04/29/13 20:48 Lab File ID: 04290028.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:06

Lab Sample ID: STD2 280-171763/28 IC Client Sample ID:

Date Analyzed: 04/29/13 20:48 Lab File ID: 04290028.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Split Peak	wellsd	04/30/13 10:06
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:06

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 171763

Lab Sample ID: STD1 280-171763/29 IC Client Sample ID:

Date Analyzed: 04/29/13 21:06 Lab File ID: 04290029.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 2	6.36	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:06

Lab Sample ID: STD1 280-171763/29 IC Client Sample ID:

Date Analyzed: 04/29/13 21:06 Lab File ID: 04290029.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Split Peak	wellsd	04/30/13 10:07
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:06

Lab Sample ID: ICV 280-171763/30 Client Sample ID:

Date Analyzed: 04/29/13 21:23 Lab File ID: 04290030.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:07
Toxaphene Peak 2	6.36	Baseline Smoothing	wellsd	04/30/13 10:07
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:07
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:07
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:07

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 171763

Lab Sample ID: ICV 280-171763/30 Client Sample ID:

Date Analyzed: 04/29/13 21:23 Lab File ID: 04290030.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Baseline Smoothing	wellsd	04/30/13 10:07
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:07
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:07
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:07
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:07

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 174317

Lab Sample ID: CCV 280-174317/17 Client Sample ID:

Date Analyzed: 05/15/13 15:59 Lab File ID: 05150017.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 4	7.53	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	05/16/13 06:54

Lab Sample ID: LCS 280-174025/6-A Client Sample ID:

Date Analyzed: 05/15/13 16:34 Lab File ID: 05150019.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.68	Split Peak	wellsd	05/16/13 06:54
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	05/16/13 06:54

Lab Sample ID: CCV 280-174317/28 Client Sample ID:

Date Analyzed: 05/15/13 19:11 Lab File ID: 05150028.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	05/16/13 06:55
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	05/16/13 06:55
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	05/16/13 06:55
Toxaphene Peak 4	7.53	Baseline Smoothing	wellsd	05/16/13 06:55
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	05/16/13 06:55

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 173579

Lab Sample ID: STD6 280-173579/24 IC Client Sample ID:

Date Analyzed: 05/09/13 23:51 Lab File ID: 05090024.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.19	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD6 280-173579/24 IC Client Sample ID:

Date Analyzed: 05/09/13 23:51 Lab File ID: 05090024.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.38	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD5 280-173579/25 IC Client Sample ID:

Date Analyzed: 05/10/13 00:07 Lab File ID: 05090025.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.20	Baseline Smoothing	wellsd	05/10/13 08:31

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 173579

Lab Sample ID: STD5 280-173579/25 IC Client Sample ID:

Date Analyzed: 05/10/13 00:07 Lab File ID: 05090025.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.37	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD4 280-173579/26 IC Client Sample ID:

Date Analyzed: 05/10/13 00:24 Lab File ID: 05090026.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.19	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD4 280-173579/26 IC Client Sample ID:

Date Analyzed: 05/10/13 00:24 Lab File ID: 05090026.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.38	Baseline Smoothing	wellsd	05/10/13 08:31

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 173579

Lab Sample ID: STD3 280-173579/27 IC Client Sample ID:

Date Analyzed: 05/10/13 00:40 Lab File ID: 05090027.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.20	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD3 280-173579/27 IC Client Sample ID:

Date Analyzed: 05/10/13 00:40 Lab File ID: 05090027.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.95	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.37	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD2 280-173579/28 IC Client Sample ID:

Date Analyzed: 05/10/13 00:57 Lab File ID: 05090028.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 5	8.20	Baseline Smoothing	wellsd	05/10/13 08:32

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 173579

Lab Sample ID: STD2 280-173579/28 IC Client Sample ID:

Date Analyzed: 05/10/13 00:57 Lab File ID: 05090028.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 5	8.38	Baseline Smoothing	wellsd	05/10/13 08:32

Lab Sample ID: ICV 280-173579/30 Client Sample ID:

Date Analyzed: 05/10/13 01:30 Lab File ID: 05090030.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 5	8.20	Baseline Smoothing	wellsd	05/10/13 08:33

Lab Sample ID: ICV 280-173579/30 Client Sample ID:

Date Analyzed: 05/10/13 01:30 Lab File ID: 05090030.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.67	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 5	8.38	Baseline Smoothing	wellsd	05/10/13 08:33

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: CCV 280-176329/11 Client Sample ID:

Date Analyzed: 05/29/13 16:27 Lab File ID: 05290011.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.11	Baseline Smoothing	wellsd	05/30/13 07:09
Toxaphene Peak 2	6.62	Baseline Smoothing	wellsd	05/30/13 07:09
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/30/13 07:09
Toxaphene Peak 4	7.70	Baseline Smoothing	wellsd	05/30/13 07:09
Toxaphene Peak 5	8.17	Baseline Smoothing	wellsd	05/30/13 07:09

Lab Sample ID: LCS 280-174346/3-A Client Sample ID:

Date Analyzed: 05/29/13 17:50 Lab File ID: 05290016.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 2	6.62	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/30/13 07:10

Lab Sample ID: CCV 280-176329/18 Client Sample ID:

Date Analyzed: 05/29/13 18:23 Lab File ID: 05290018.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 2	6.63	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 3	7.31	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/30/13 07:10

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: 280-42047-3 Client Sample ID: B301SCS0112AA

Date Analyzed: 05/29/13 19:12 Lab File ID: 05290021.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,4'-DDE	6.50	Baseline Smoothing	wellsd	05/30/13 07:11
4,4'-DDT	7.39	Baseline Smoothing	wellsd	05/30/13 07:11

Lab Sample ID: 280-42047-6 Client Sample ID: B301SCS0212AA

Date Analyzed: 05/29/13 20:02 Lab File ID: 05290024.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-Chlordane	6.17	Baseline Smoothing	wellsd	05/30/13 07:25
4,4'-DDE	6.50	Baseline Smoothing	wellsd	05/30/13 07:25
4,4'-DDD	7.08	Baseline Smoothing	wellsd	05/30/13 07:25
4,4'-DDT	7.39	Baseline Smoothing	wellsd	05/30/13 07:25

Lab Sample ID: 280-42047-10 Client Sample ID: B301SCS0112AC

Date Analyzed: 05/29/13 21:08 Lab File ID: 05290028.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha-Chlordane	6.33	Baseline Smoothing	wellsd	05/30/13 07:26
4,4'-DDE	6.50	Baseline Smoothing	wellsd	05/30/13 07:26
4,4'-DDD	7.08	Baseline Smoothing	wellsd	05/30/13 07:26
4,4'-DDT	7.39	Baseline Smoothing	wellsd	05/30/13 07:26

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: CCV 280-176329/30 Client Sample ID:

Date Analyzed: 05/29/13 21:41 Lab File ID: 05290030.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/30/13 07:26
Toxaphene Peak 2	6.63	Baseline Smoothing	wellsd	05/30/13 07:26
Toxaphene Peak 3	7.31	Baseline Smoothing	wellsd	05/30/13 07:26
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:26
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/30/13 07:26

Lab Sample ID: 280-42047-2 Client Sample ID: B301SCS0108AA

Date Analyzed: 05/29/13 22:14 Lab File ID: 05290032.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-Chlordane	6.17	Split Peak	wellsd	05/30/13 07:27

Lab Sample ID: 280-42047-8 MS Client Sample ID: B301SCS0308AA MS

Date Analyzed: 05/30/13 00:09 Lab File ID: 05290039.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.13	Split Peak	wellsd	05/30/13 07:31
Toxaphene Peak 2	6.62	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 5	8.16	Baseline Smoothing	wellsd	05/30/13 07:31

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: 280-42047-8 MS Client Sample ID: B301SCS0308AA MS

Date Analyzed: 05/30/13 00:09 Lab File ID: 05290039.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.64	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 2	6.91	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 3	7.26	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 4	7.52	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 5	8.34	Baseline Smoothing	wellsd	05/30/13 07:31
DCB Decachlorobiphenyl	9.42	Baseline Smoothing	wellsd	05/30/13 07:31

Lab Sample ID: 280-42047-8 MSD Client Sample ID: B301SCS0308AA MSD

Date Analyzed: 05/30/13 00:25 Lab File ID: 05290040.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.13	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 2	6.62	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 5	8.16	Baseline Smoothing	wellsd	05/30/13 07:31

Lab Sample ID: 280-42047-8 MSD Client Sample ID: B301SCS0308AA MSD

Date Analyzed: 05/30/13 00:25 Lab File ID: 05290040.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.64	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 2	6.92	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 3	7.26	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 4	7.52	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 5	8.34	Baseline Smoothing	wellsd	05/30/13 07:31

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: CCV 280-176329/43 Client Sample ID:

Date Analyzed: 05/30/13 01:15 Lab File ID: 05290043.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/30/13 07:32
Toxaphene Peak 2	6.63	Baseline Smoothing	wellsd	05/30/13 07:32
Toxaphene Peak 3	7.31	Baseline Smoothing	wellsd	05/30/13 07:32
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:32
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/30/13 07:32

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176496

Lab Sample ID: CCV 280-176496/12 Client Sample ID:

Date Analyzed: 05/30/13 17:17 Lab File ID: 05300012.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/31/13 07:13
Toxaphene Peak 2	6.63	Baseline Smoothing	wellsd	05/31/13 07:13
Toxaphene Peak 3	7.31	Baseline Smoothing	wellsd	05/31/13 07:13
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/31/13 07:13
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/31/13 07:13

Lab Sample ID: CCV 280-176496/24 Client Sample ID:

Date Analyzed: 05/30/13 20:35 Lab File ID: 05300024.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.11	Baseline Smoothing	wellsd	05/31/13 07:15
Toxaphene Peak 2	6.63	Baseline Smoothing	wellsd	05/31/13 07:15
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/31/13 07:15
Toxaphene Peak 4	7.70	Baseline Smoothing	wellsd	05/31/13 07:15
Toxaphene Peak 5	8.17	Baseline Smoothing	wellsd	05/31/13 07:15

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-42047-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-42047-1	B301SCS0104AA	Solid	05/06/2013 0948	05/08/2013 0915
280-42047-2	B301SCS0108AA	Solid	05/06/2013 0955	05/08/2013 0915
280-42047-3	B301SCS0112AA	Solid	05/06/2013 1002	05/08/2013 0915
280-42047-4	B301SCS0204AA	Solid	05/06/2013 1025	05/08/2013 0915
280-42047-5	B301SCS0208AA	Solid	05/06/2013 1027	05/08/2013 0915
280-42047-6	B301SCS0212AA	Solid	05/06/2013 1031	05/08/2013 0915
280-42047-7	B301SCS0304AA	Solid	05/06/2013 1012	05/08/2013 0915
280-42047-8	B301SCS0308AA	Solid	05/06/2013 1016	05/08/2013 0915
280-42047-8MS	B301SCS0308AA	Solid	05/06/2013 1016	05/08/2013 0915
280-42047-8MSD	B301SCS0308AA	Solid	05/06/2013 1016	05/08/2013 0915
280-42047-9	B301SCS0312AA	Solid	05/06/2013 1029	05/08/2013 0915
280-42047-10FD	B301SCS0112AC	Solid	05/06/2013 1008	05/08/2013 0915
280-42047-11EB	050613AE	Water	05/06/2013 1630	05/08/2013 0915

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-42047-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-42047-1	**B301SCS0104AA**					
4,4'-DDD		14	J D Q	18	ug/Kg	8081B
4,4'-DDE		59	D Q	18	ug/Kg	8081B
4,4'-DDT		160	D Q	21	ug/Kg	8081B
alpha-Chlordane		19	Q	1.8	ug/Kg	8081B
Dieldrin		0.66	J Q	1.8	ug/Kg	8081B
gamma-Chlordane		21	Q	1.8	ug/Kg	8081B
Heptachlor		1.4	J Q	1.8	ug/Kg	8081B
Heptachlor epoxide		1.3	Q J	1.8	ug/Kg	8081B
Percent Moisture		9.4		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture
280-42047-2	**B301SCS0108AA**					
4,4'-DDD		5.8	J D Q	17	ug/Kg	8081B
4,4'-DDE		30		1.7	ug/Kg	8081B
4,4'-DDT		92	D Q	21	ug/Kg	8081B
alpha-Chlordane		4.5		1.7	ug/Kg	8081B
gamma-Chlordane		5.8		1.7	ug/Kg	8081B
Heptachlor		0.55	J	1.7	ug/Kg	8081B
Percent Moisture		6.9		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture
280-42047-3	**B301SCS0112AA**					
4,4'-DDE		0.52	J	1.8	ug/Kg	8081B
4,4'-DDT		1.2	J	2.1	ug/Kg	8081B
Percent Moisture		9.4		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture
280-42047-4	**B301SCS0204AA**					
4,4'-DDD		270	D Q	190	ug/Kg	8081B
4,4'-DDE		1500	D Q	190	ug/Kg	8081B
4,4'-DDT		3000	D Q	220	ug/Kg	8081B
alpha-Chlordane		77	J D Q	190	ug/Kg	8081B
Dieldrin		8.5	Q	1.9	ug/Kg	8081B
Endrin ketone		4.1	Q J	1.9	ug/Kg	8081B
gamma-Chlordane		81	J D Q	190	ug/Kg	8081B
Heptachlor		1.4	J Q	1.9	ug/Kg	8081B
Heptachlor epoxide		8.7	Q J	1.9	ug/Kg	8081B
Percent Moisture		13		0.10	%	Moisture
Percent Solids		87		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc Job Number: 280-42047-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-42047-5	**B301SCS0208AA**					
4,4'-DDD		19	D	17	ug/Kg	8081B
4,4'-DDE		140	D	17	ug/Kg	8081B
4,4'-DDT		230	D	20	ug/Kg	8081B
alpha-Chlordane		6.7		1.7	ug/Kg	8081B
Dieldrin		0.26	J	1.7	ug/Kg	8081B
gamma-Chlordane		5.8		1.7	ug/Kg	8081B
Heptachlor epoxide		0.52	J	1.7	ug/Kg	8081B
Percent Moisture		8.2		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
280-42047-6	**B301SCS0212AA**					
4,4'-DDE		1.1	J	1.8	ug/Kg	8081B
4,4'-DDT		1.2	J	2.1	ug/Kg	8081B
Percent Moisture		7.7		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
280-42047-7	**B301SCS0304AA**					
4,4'-DDE		13	Q	1.8	ug/Kg	8081B
4,4'-DDT		82	D	21	ug/Kg	8081B
alpha-Chlordane		4.2	Q	1.8	ug/Kg	8081B
Dieldrin		0.97	Q J	1.8	ug/Kg	8081B
gamma-Chlordane		3.8	Q J	1.8	ug/Kg	8081B
Heptachlor epoxide		2.0	Q J	1.8	ug/Kg	8081B
Percent Moisture		11		0.10	%	Moisture
Percent Solids		89		0.10	%	Moisture
280-42047-8	**B301SCS0308AA**					
4,4'-DDE		3.9	Q	1.8	ug/Kg	8081B
4,4'-DDT		13	J D Q	22	ug/Kg	8081B
alpha-Chlordane		1.3	J Q	1.8	ug/Kg	8081B
Dieldrin		0.99	J Q	1.8	ug/Kg	8081B
Heptachlor epoxide		0.53	J Q	1.8	ug/Kg	8081B
Percent Moisture		13		0.10	%	Moisture
Percent Solids		87		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-42047-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-42047-9	**B301SCS0312AA**					
4,4'-DDE		2.4		1.8	ug/Kg	8081B
4,4'-DDT		19	J D Q	21	ug/Kg	8081B
alpha-Chlordane		0.51	J	1.8	ug/Kg	8081B
Dieldrin		0.24	J	1.8	ug/Kg	8081B
Percent Moisture		7.6		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
280-42047-10FD	**B301SCS0112AC**					
4,4'-DDE		0.26	J	1.8	ug/Kg	8081B
4,4'-DDT		1.1	J	2.1	ug/Kg	8081B
Percent Moisture		7.7		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-42047-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Organochlorine Pesticides (GC)	TAL DEN	SW846 8081B	
Microwave Extraction	TAL DEN		SW846 3546
Percent Moisture	TAL DEN	EPA Moisture	
Matrix: Water			
Organochlorine Pesticides (GC)	TAL DEN	SW846 8081B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL DEN		SW846 3510C

Lab References:

TAL DEN = TestAmerica Denver

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-42047-1

Method	Analyst	Analyst ID
SW846 8081B	Wells, David	DW
EPA Moisture	Sullivan, Josh	JS

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0104AA**

Lab Sample ID: 280-42047-1 | Date Sampled: 05/06/2013 0948
Client Matrix: Solid | % Moisture: 9.4 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2157			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Aldrin		0.49	U Q	0.27	1.8
alpha-BHC		0.49	U Q	0.23	1.8
alpha-Chlordane		19	Q	0.35	1.8
beta-BHC		0.74	U Q	0.71	1.8
delta-BHC		0.74	U Q	0.43	1.8
Dieldrin		0.66	J Q	0.23	1.8
Endosulfan I		0.49	U Q	0.19	1.8
Endosulfan II		0.49	U Q	0.31	1.8
Endosulfan sulfate		0.49	U Q	0.30	1.8
Endrin		0.49	U Q	0.33	1.8
Endrin aldehyde		0.49	U Q	0.18	1.8
Endrin ketone		0.74	U Q	0.52	1.8
gamma-BHC (Lindane)		0.74	U Q	0.50	1.8
gamma-Chlordane		21	Q	0.29	1.8
Heptachlor		1.4	J Q	0.23	1.8
Heptachlor epoxide		1.3	Q J	0.46	1.8
Toxaphene		29	U Q	17	180

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	128		55 - 130
Tetrachloro-m-xylene	65	Q	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0104AA**

Lab Sample ID: 280-42047-1
Client Matrix: Solid
% Moisture: 9.4

Date Sampled: 05/06/2013 0948
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2157			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	212	Q	55 - 130
Tetrachloro-m-xylene	59	Q	70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0104AA**

Lab Sample ID: 280-42047-1 | Date Sampled: 05/06/2013 0948
Client Matrix: Solid | % Moisture: 9.4 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 1839	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		14	J D Q	5.9	18
4,4'-DDE		59	D Q	2.6	18
4,4'-DDT		160	D Q	6.3	21
Methoxychlor		7.4	U Q	4.8	35

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	93	D	55 - 130
Tetrachloro-m-xylene	66	D Q	70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0104AA**

Lab Sample ID: 280-42047-1 | Date Sampled: 05/06/2013 0948
Client Matrix: Solid | % Moisture: 9.4 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 1839	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	168	D Q	55 - 130
Tetrachloro-m-xylene	60	D Q	70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0108AA**

Lab Sample ID: 280-42047-2 | Date Sampled: 05/06/2013 0955
Client Matrix: Solid | % Moisture: 6.9 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2214			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDE		30		0.24	1.7
Aldrin		0.47	U	0.26	1.7
alpha-BHC		0.47	U	0.22	1.7
alpha-Chlordane		4.5		0.33	1.7
beta-BHC		0.71	U Q	0.68	1.7
delta-BHC		0.71	U Q	0.41	1.7
Dieldrin		0.47	U	0.22	1.7
Endosulfan I		0.47	U	0.18	1.7
Endosulfan II		0.47	U	0.30	1.7
Endosulfan sulfate		0.47	U	0.28	1.7
Endrin		0.47	U	0.31	1.7
Endrin aldehyde		0.47	U	0.18	1.7
Endrin ketone		0.71	U	0.50	1.7
gamma-BHC (Lindane)		0.71	U Q	0.48	1.7
gamma-Chlordane		5.8		0.27	1.7
Heptachlor		0.55	J	0.22	1.7
Heptachlor epoxide		0.71	U Q	0.44	1.7
Toxaphene		28	U Q	16	170

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	85		55 - 130
Tetrachloro-m-xylene	73		70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0108AA**

Lab Sample ID: 280-42047-2 | Date Sampled: 05/06/2013 0955
Client Matrix: Solid | % Moisture: 6.9 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2214			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	162	Q	55 - 130
Tetrachloro-m-xylene	74		70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0108AA**

Lab Sample ID: 280-42047-2 | Date Sampled: 05/06/2013 0955
Client Matrix: Solid | % Moisture: 6.9 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 1856	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		5.8	J D Q	5.6	17
4,4'-DDT		92	D Q	6.1	21
Methoxychlor		7.1	U Q	4.6	34

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	67	D	55 - 130
Tetrachloro-m-xylene	67	D Q	70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0108AA**

Lab Sample ID: 280-42047-2 | Date Sampled: 05/06/2013 0955
Client Matrix: Solid | % Moisture: 6.9 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 1856	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	154	D Q	55 - 130
Tetrachloro-m-xylene	63	D Q	70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0112AA**

Lab Sample ID: 280-42047-3 | Date Sampled: 05/06/2013 1002
Client Matrix: Solid | % Moisture: 9.4 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 1912			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.73	U	0.58	1.8
4,4'-DDE		0.52	J	0.25	1.8
4,4'-DDT		1.2	J	0.62	2.1
Aldrin		0.49	U	0.27	1.8
alpha-BHC		0.49	U	0.23	1.8
alpha-Chlordane		0.49	U	0.34	1.8
beta-BHC		0.73	U	0.70	1.8
delta-BHC		0.73	U	0.42	1.8
Dieldrin		0.49	U	0.22	1.8
Endosulfan I		0.49	U	0.19	1.8
Endosulfan II		0.49	U	0.30	1.8
Endosulfan sulfate		0.49	U	0.29	1.8
Endrin		0.49	U	0.32	1.8
Endrin aldehyde		0.49	U	0.18	1.8
Endrin ketone		0.73	U	0.52	1.8
gamma-BHC (Lindane)		0.73	U	0.49	1.8
gamma-Chlordane		0.73	U	0.28	1.8
Heptachlor		0.49	U	0.23	1.8
Heptachlor epoxide		0.73	U	0.45	1.8
Methoxychlor		0.73	U	0.48	3.5
Toxaphene		29	U	17	180

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		55 - 130
Tetrachloro-m-xylene	90		70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0112AA**

Lab Sample ID: 280-42047-3 | Date Sampled: 05/06/2013 1002
Client Matrix: Solid | % Moisture: 9.4 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 1912			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		55 - 130
Tetrachloro-m-xylene	88		70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0204AA**

Lab Sample ID: 280-42047-4 | Date Sampled: 05/06/2013 1025
Client Matrix: Solid | % Moisture: 13.1 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2230			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Aldrin		0.51	U Q	0.28	1.9
alpha-BHC		0.51	U Q	0.24	1.9
beta-BHC		0.77	U Q	0.74	1.9
delta-BHC		0.77	U Q	0.45	1.9
Dieldrin		8.5	Q	0.23	1.9
Endosulfan I		0.51	U Q	0.20	1.9
Endosulfan II		0.51	U Q	0.32	1.9
Endosulfan sulfate		0.51	U Q	0.31	1.9
Endrin		0.51	U Q	0.34	1.9
Endrin aldehyde		0.51	U Q	0.19	1.9
Endrin ketone		4.1	Q J	0.55	1.9
gamma-BHC (Lindane)		0.77	U Q	0.52	1.9
Heptachlor		1.4	J Q	0.24	1.9
Heptachlor epoxide		8.7	Q J	0.48	1.9
Toxaphene		30	U Q	18	190

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	137	Q	55 - 130
Tetrachloro-m-xylene	70		70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0204AA**

Lab Sample ID: 280-42047-4
Client Matrix: Solid
% Moisture: 13.1

Date Sampled: 05/06/2013 1025
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2230			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	263	Q	55 - 130
Tetrachloro-m-xylene	66	Q	70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0204AA**

Lab Sample ID: 280-42047-4 | Date Sampled: 05/06/2013 1025
Client Matrix: Solid | % Moisture: 13.1 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176496	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	100			Final Weight/Volume:	10000 uL
Analysis Date:	05/30/2013 1733	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		270	D Q	61	190
4,4'-DDE		1500	D Q	27	190
4,4'-DDT		3000	D Q	66	220
alpha-Chlordane		77	J D Q	36	190
gamma-Chlordane		81	J D Q	30	190
Methoxychlor		77	U Q	50	370

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	D Q	55 - 130
Tetrachloro-m-xylene	0	D Q	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0204AA**

Lab Sample ID: 280-42047-4
Client Matrix: Solid
% Moisture: 13.1

Date Sampled: 05/06/2013 1025
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176496	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	100			Final Weight/Volume:	10000 uL
Analysis Date:	05/30/2013 1733	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	D Q	55 - 130
Tetrachloro-m-xylene	0	D Q	70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0208AA**

Lab Sample ID: 280-42047-5 | Date Sampled: 05/06/2013 1027
Client Matrix: Solid | % Moisture: 8.2 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	32.0 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2247			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Aldrin		0.47	U	0.26	1.7
alpha-BHC		0.47	U	0.22	1.7
alpha-Chlordane		6.7		0.33	1.7
beta-BHC		0.70	U	0.68	1.7
delta-BHC		0.70	U	0.41	1.7
Dieldrin		0.26	J	0.21	1.7
Endosulfan I		0.47	U	0.18	1.7
Endosulfan II		0.47	U	0.29	1.7
Endosulfan sulfate		0.47	U	0.28	1.7
Endrin		0.47	U	0.31	1.7
Endrin aldehyde		0.47	U	0.17	1.7
Endrin ketone		0.70	U	0.50	1.7
gamma-BHC (Lindane)		0.70	U	0.47	1.7
gamma-Chlordane		5.8		0.27	1.7
Heptachlor		0.47	U	0.22	1.7
Heptachlor epoxide		0.52	J	0.44	1.7
Toxaphene		28	U Q	16	170

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		55 - 130
Tetrachloro-m-xylene	75		70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0208AA**

Lab Sample ID: 280-42047-5 | Date Sampled: 05/06/2013 1027
Client Matrix: Solid | % Moisture: 8.2 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	32.0 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2247			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	101		55 - 130
Tetrachloro-m-xylene	75		70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0208AA**

Lab Sample ID: 280-42047-5 | Date Sampled: 05/06/2013 1027
Client Matrix: Solid | % Moisture: 8.2 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	32.0 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 1945	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		19	D	5.6	17
4,4'-DDE		140	D	2.4	17
4,4'-DDT		230	D	6.0	20
Methoxychlor		7.0	U	4.6	34

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	79	D	55 - 130
Tetrachloro-m-xylene	71	D	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0208AA**

Lab Sample ID: 280-42047-5
Client Matrix: Solid
% Moisture: 8.2

Date Sampled: 05/06/2013 1027
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	32.0 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 1945	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	67	D	55 - 130
Tetrachloro-m-xylene	62	D Q	70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0212AA**

Lab Sample ID: 280-42047-6 | Date Sampled: 05/06/2013 1031
Client Matrix: Solid | % Moisture: 7.7 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2002			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.73	U	0.57	1.8
4,4'-DDE		1.1	J	0.25	1.8
4,4'-DDT		1.2	J	0.62	2.1
Aldrin		0.48	U	0.26	1.8
alpha-BHC		0.48	U	0.23	1.8
alpha-Chlordane		0.48	U	0.34	1.8
beta-BHC		0.73	U	0.70	1.8
delta-BHC		0.73	U	0.42	1.8
Dieldrin		0.48	U	0.22	1.8
Endosulfan I		0.48	U	0.19	1.8
Endosulfan II		0.48	U	0.30	1.8
Endosulfan sulfate		0.48	U	0.29	1.8
Endrin		0.48	U	0.32	1.8
Endrin aldehyde		0.48	U	0.18	1.8
Endrin ketone		0.73	U	0.51	1.8
gamma-BHC (Lindane)		0.73	U	0.49	1.8
gamma-Chlordane		0.73	U	0.28	1.8
Heptachlor		0.48	U	0.23	1.8
Heptachlor epoxide		0.73	U	0.45	1.8
Methoxychlor		0.73	U	0.47	3.5
Toxaphene		28	U	17	180

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		55 - 130
Tetrachloro-m-xylene	86		70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0212AA**

Lab Sample ID: 280-42047-6 | Date Sampled: 05/06/2013 1031
Client Matrix: Solid | % Moisture: 7.7 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2002			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		55 - 130
Tetrachloro-m-xylene	85		70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0304AA**

Lab Sample ID: 280-42047-7 | Date Sampled: 05/06/2013 1012
Client Matrix: Solid | % Moisture: 10.5 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2303			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDE		13	Q	0.25	1.8
Aldrin		0.49	U Q	0.27	1.8
alpha-BHC		0.49	U Q	0.23	1.8
alpha-Chlordane		4.2	Q	0.35	1.8
beta-BHC		0.74	U Q	0.71	1.8
delta-BHC		0.74	U Q	0.43	1.8
Dieldrin		0.97	Q J	0.22	1.8
Endosulfan I		0.49	U Q	0.19	1.8
Endosulfan II		0.49	U Q	0.31	1.8
Endosulfan sulfate		0.49	U Q	0.30	1.8
Endrin		0.49	U Q	0.33	1.8
Endrin aldehyde		0.49	U Q	0.18	1.8
Endrin ketone		0.74	U Q	0.52	1.8
gamma-BHC (Lindane)		0.74	U Q	0.50	1.8
gamma-Chlordane		3.8	Q J	0.28	1.8
Heptachlor		0.49	U Q	0.23	1.8
Heptachlor epoxide		2.0	Q J	0.46	1.8
Toxaphene		29	U Q	17	180

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	141	Q	55 - 130
Tetrachloro-m-xylene	77		70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0304AA**

Lab Sample ID: 280-42047-7 | Date Sampled: 05/06/2013 1012
Client Matrix: Solid | % Moisture: 10.5 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2303			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	163	Q	55 - 130
Tetrachloro-m-xylene	67	Q	70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0304AA**

Lab Sample ID: 280-42047-7 | Date Sampled: 05/06/2013 1012
Client Matrix: Solid | % Moisture: 10.5 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2018	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		7.4	U	5.8	18
4,4'-DDT		82	D	6.3	21
Methoxychlor		7.4	U	4.8	35

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88	D	55 - 130
Tetrachloro-m-xylene	75	D	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0304AA**

Lab Sample ID: 280-42047-7
Client Matrix: Solid
% Moisture: 10.5

Date Sampled: 05/06/2013 1012
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2018	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	146	D Q	55 - 130
Tetrachloro-m-xylene	60	D Q	70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0308AA**

Lab Sample ID: 280-42047-8 | Date Sampled: 05/06/2013 1016
Client Matrix: Solid | % Moisture: 13.3 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.9 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2319			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDE		3.9	Q	0.26	1.8
Aldrin		0.50	U Q	0.27	1.8
alpha-BHC		0.50	U	0.23	1.8
alpha-Chlordane		1.3	J Q	0.35	1.8
beta-BHC		0.75	U	0.72	1.8
delta-BHC		0.75	U	0.43	1.8
Dieldrin		0.99	J Q	0.23	1.8
Endosulfan I		0.50	U Q	0.19	1.8
Endosulfan II		0.50	U Q	0.31	1.8
Endosulfan sulfate		0.50	U Q	0.30	1.8
Endrin		0.50	U Q	0.33	1.8
Endrin aldehyde		0.50	U Q	0.19	1.8
Endrin ketone		0.75	U Q	0.53	1.8
gamma-BHC (Lindane)		0.75	U	0.50	1.8
gamma-Chlordane		0.75	U Q	0.29	1.8
Heptachlor		0.50	U Q	0.23	1.8
Heptachlor epoxide		0.53	J Q	0.46	1.8
Toxaphene		29	U Q J	17	180

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		55 - 130
Tetrachloro-m-xylene	69	Q	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0308AA**

Lab Sample ID: 280-42047-8
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 05/06/2013 1016
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.9 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2319			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		55 - 130
Tetrachloro-m-xylene	74		70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0308AA**

Lab Sample ID: 280-42047-8 | Date Sampled: 05/06/2013 1016
Client Matrix: Solid | % Moisture: 13.3 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.9 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2035	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		7.5	U Q	5.9	18
4,4'-DDT		13	J D Q	6.4	22
Methoxychlor		7.5	U Q	4.9	36

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	81	D	55 - 130
Tetrachloro-m-xylene	69	D Q	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0308AA**

Lab Sample ID: 280-42047-8
Client Matrix: Solid
% Moisture: 13.3

Date Sampled: 05/06/2013 1016
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.9 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2035	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	73	D	55 - 130
Tetrachloro-m-xylene	61	D Q	70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0312AA**

Lab Sample ID: 280-42047-9 | Date Sampled: 05/06/2013 1029
Client Matrix: Solid | % Moisture: 7.6 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.0 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/30/2013 0042			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDE		2.4		0.25	1.8
Aldrin		0.48	U	0.26	1.8
alpha-BHC		0.48	U	0.22	1.8
alpha-Chlordane		0.51	J	0.34	1.8
beta-BHC		0.72	U	0.70	1.8
delta-BHC		0.72	U	0.42	1.8
Dieldrin		0.24	J	0.22	1.8
Endosulfan I		0.48	U	0.18	1.8
Endosulfan II		0.48	U	0.30	1.8
Endosulfan sulfate		0.48	U	0.29	1.8
Endrin		0.48	U	0.32	1.8
Endrin aldehyde		0.48	U	0.18	1.8
Endrin ketone		0.72	U	0.51	1.8
gamma-BHC (Lindane)		0.72	U	0.49	1.8
gamma-Chlordane		0.72	U	0.28	1.8
Heptachlor		0.48	U	0.22	1.8
Heptachlor epoxide		0.72	U	0.45	1.8
Toxaphene		28	U Q	17	180

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	99		55 - 130
Tetrachloro-m-xylene	92		70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0312AA**

Lab Sample ID: 280-42047-9 | Date Sampled: 05/06/2013 1029
Client Matrix: Solid | % Moisture: 7.6 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.0 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/30/2013 0042			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	110		55 - 130
Tetrachloro-m-xylene	77		70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0312AA**

Lab Sample ID: 280-42047-9 | Date Sampled: 05/06/2013 1029
Client Matrix: Solid | % Moisture: 7.6 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.0 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2051	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		7.2	U Q	5.7	18
4,4'-DDT		19	J D Q	6.2	21
Methoxychlor		7.2	U Q	4.7	35

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	90	D	55 - 130
Tetrachloro-m-xylene	68	D Q	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0312AA**

Lab Sample ID: 280-42047-9
Client Matrix: Solid
% Moisture: 7.6

Date Sampled: 05/06/2013 1029
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.0 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2051	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	82	D	55 - 130
Tetrachloro-m-xylene	63	D Q	70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0112AC**

Lab Sample ID: 280-42047-10FD | Date Sampled: 05/06/2013 1008
Client Matrix: Solid | % Moisture: 7.7 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.5 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2108			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.71	U	0.56	1.8
4,4'-DDE		0.26	J	0.25	1.8
4,4'-DDT		1.1	J	0.61	2.1
Aldrin		0.47	U	0.26	1.8
alpha-BHC		0.47	U	0.22	1.8
alpha-Chlordane		0.47	U	0.33	1.8
beta-BHC		0.71	U	0.69	1.8
delta-BHC		0.71	U	0.41	1.8
Dieldrin		0.47	U	0.22	1.8
Endosulfan I		0.47	U	0.18	1.8
Endosulfan II		0.47	U	0.30	1.8
Endosulfan sulfate		0.47	U	0.28	1.8
Endrin		0.47	U	0.32	1.8
Endrin aldehyde		0.47	U	0.18	1.8
Endrin ketone		0.71	U	0.50	1.8
gamma-BHC (Lindane)		0.71	U	0.48	1.8
gamma-Chlordane		0.71	U	0.27	1.8
Heptachlor		0.47	U	0.22	1.8
Heptachlor epoxide		0.71	U	0.44	1.8
Methoxychlor		0.71	U	0.46	3.4
Toxaphene		28	U	16	180

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	99		55 - 130
Tetrachloro-m-xylene	88		70 - 125

Client: FPM Remediations Inc | Job Number: 280-42047-1

Client Sample ID: **B301SCS0112AC**

Lab Sample ID: 280-42047-10FD | Date Sampled: 05/06/2013 1008
Client Matrix: Solid | % Moisture: 7.7 | Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.5 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2108			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		55 - 130
Tetrachloro-m-xylene	86		70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **050613AE**

Lab Sample ID: 280-42047-11EB
Client Matrix: Water

Date Sampled: 05/06/2013 1630
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-174317	Instrument ID:	SGC_P1
Prep Method:	3510C	Prep Batch:	280-174025	Initial Weight/Volume:	1056.8 mL
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/15/2013 1836			Injection Volume:	1 uL
Prep Date:	05/13/2013 1720			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
4,4'-DDD	0.0095	U	0.0073	0.047
4,4'-DDE	0.0095	U	0.0071	0.047
4,4'-DDT	0.019	U	0.014	0.047
Aldrin	0.0095	U	0.0056	0.047
alpha-BHC	0.0095	U	0.0050	0.047
alpha-Chlordane	0.0095	U	0.0050	0.047
beta-BHC	0.0095	U	0.0082	0.047
delta-BHC	0.0095	U	0.0055	0.047
Dieldrin	0.0095	U	0.0060	0.047
Endosulfan I	0.0095	U	0.0055	0.047
Endosulfan II	0.0095	U	0.0066	0.047
Endosulfan sulfate	0.0095	U	0.0054	0.047
Endrin	0.0095	U	0.0075	0.047
Endrin aldehyde	0.0095	U	0.0083	0.047
Endrin ketone	0.0095	U	0.0066	0.047
gamma-BHC (Lindane)	0.0095	U	0.0065	0.047
gamma-Chlordane	0.0095	U	0.0086	0.047
Heptachlor	0.0095	U	0.0073	0.047
Heptachlor epoxide	0.0095	U	0.0071	0.047
Methoxychlor	0.019	U	0.012	0.095

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	123		30 - 135
Tetrachloro-m-xylene	56		25 - 140

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **050613AE**

Lab Sample ID: 280-42047-11EB
Client Matrix: Water

Date Sampled: 05/06/2013 1630
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-174317	Instrument ID:	SGC_P1
Prep Method:	3510C	Prep Batch:	280-174025	Initial Weight/Volume:	1056.8 mL
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/15/2013 1836			Injection Volume:	1 uL
Prep Date:	05/13/2013 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		30 - 135
Tetrachloro-m-xylene	49		25 - 140

General Chemistry

Client Sample ID: **B301SCS0104AA**

Lab Sample ID: 280-42047-1 Date Sampled: 05/06/2013 0948

Client Matrix: Solid Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	9.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N

General Chemistry

Client Sample ID: **B301SCS0108AA**

Lab Sample ID: 280-42047-2 Date Sampled: 05/06/2013 0955

Client Matrix: Solid Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	6.9		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N

General Chemistry

Client Sample ID: **B301SCS0112AA**

Lab Sample ID: 280-42047-3 Date Sampled: 05/06/2013 1002

Client Matrix: Solid Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	9.4		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N
Percent Solids	91		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N

General Chemistry

Client Sample ID: **B301SCS0204AA**

Lab Sample ID: 280-42047-4 Date Sampled: 05/06/2013 1025
Client Matrix: Solid Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N

General Chemistry

Client Sample ID: **B301SCS0208AA**

Lab Sample ID: 280-42047-5 Date Sampled: 05/06/2013 1027
Client Matrix: Solid Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	8.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N

General Chemistry

Client Sample ID: **B301SCS0212AA**

Lab Sample ID: 280-42047-6 Date Sampled: 05/06/2013 1031

Client Matrix: Solid Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	7.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N

General Chemistry

Client Sample ID: **B301SCS0304AA**

Lab Sample ID: 280-42047-7 Date Sampled: 05/06/2013 1012

Client Matrix: Solid Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N
Percent Solids	89		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N

General Chemistry

Client Sample ID: **B301SCS0308AA**

Lab Sample ID: 280-42047-8 Date Sampled: 05/06/2013 1016
Client Matrix: Solid Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N
Percent Solids	87		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N

General Chemistry

Client Sample ID: **B301SCS0312AA**

Lab Sample ID: 280-42047-9 Date Sampled: 05/06/2013 1029

Client Matrix: Solid Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	7.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N

General Chemistry

Client Sample ID: **B301SCS0112AC**

Lab Sample ID: 280-42047-10FD Date Sampled: 05/06/2013 1008
Client Matrix: Solid Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	7.7		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N

Client: FPM Remediations Inc

Job Number: 280-42047-1

Surrogate Recovery Report

8081B_Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
280-42047-1 DL	B301SCS0104AA DL	66D Q	60D Q	93D	168D Q
280-42047-1	B301SCS0104AA	65Q	59Q	128	212Q
280-42047-2 DL	B301SCS0108AA DL	67D Q	63D Q	67D	154D Q
280-42047-2	B301SCS0108AA	73	74	85	162Q
280-42047-3	B301SCS0112AA	90	88	97	97
280-42047-4	B301SCS0204AA	70	66Q	137Q	263Q
280-42047-4 DL	B301SCS0204AA DL	0D Q	0D Q	0D Q	0D Q
280-42047-5 DL	B301SCS0208AA DL	71D	62D Q	79D	67D
280-42047-5	B301SCS0208AA	75	75	95	101
280-42047-6	B301SCS0212AA	86	85	100	95
280-42047-7 DL	B301SCS0304AA DL	75D	60D Q	88D	146D Q
280-42047-7	B301SCS0304AA	77	67Q	141Q	163Q
280-42047-8 DL	B301SCS0308AA DL	69D Q	61D Q	81D	73D
280-42047-8	B301SCS0308AA	69Q	74	100	97
280-42047-9 DL	B301SCS0312AA DL	68D Q	63D Q	90D	82D
280-42047-9	B301SCS0312AA	92	77	99	110
280-42047-10	B301SCS0112AC	88	86	99	98
MB 280-174346/1-A		78	79	89	87
LCS 280-174346/2-A		76	76	110	91
LCS 280-174346/3-A		72		100	
280-42047-8 MS	B301SCS0308AA MS	83	70	103	104
280-42047-8 MS	B301SCS0308AA MS	67Q		102	
280-42047-8 MSD	B301SCS0308AA MSD	82	75	101	101
280-42047-8 MSD	B301SCS0308AA MSD	65Q		104	

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	70-125
DCB = DCB Decachlorobiphenyl	55-130

Client: FPM Remediations Inc

Job Number: 280-42047-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
280-42047-11	050613AE	56	49	123	104
MB 280-174025/1-A		48	43	128	108
LCS 280-174025/2-A		60	55	126	106
LCS 280-174025/6-A		50		126	
LCSD 280-174025/3-A		62	56	126	106

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	25-140
DCB = DCB Decachlorobiphenyl	30-135

Client: FPM Remediations Inc

Job Number: 280-42047-1

Method Blank - Batch: 280-174025

Method: 8081B
Preparation: 3510C

Lab Sample ID:	MB 280-174025/1-A	Analysis Batch:	280-174317	Instrument ID:	SGC_P1
Client Matrix:	Water	Prep Batch:	280-174025	Lab File ID:	05150018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/15/2013 1616	Units:	ug/L	Final Weight/Volume:	10000 uL
Prep Date:	05/13/2013 1720			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
4,4'-DDD	0.010	U	0.0077	0.050
4,4'-DDE	0.010	U	0.0075	0.050
4,4'-DDT	0.020	U	0.015	0.050
Aldrin	0.010	U	0.0059	0.050
alpha-BHC	0.010	U	0.0053	0.050
alpha-Chlordane	0.010	U	0.0053	0.050
beta-BHC	0.010	U	0.0087	0.050
delta-BHC	0.010	U	0.0058	0.050
Dieldrin	0.010	U	0.0063	0.050
Endosulfan I	0.010	U	0.0058	0.050
Endosulfan II	0.010	U	0.0070	0.050
Endosulfan sulfate	0.010	U	0.0057	0.050
Endrin	0.010	U	0.0079	0.050
Endrin aldehyde	0.010	U	0.0088	0.050
Endrin ketone	0.010	U	0.0070	0.050
gamma-BHC (Lindane)	0.010	U	0.0069	0.050
gamma-Chlordane	0.010	U	0.0091	0.050
Heptachlor	0.010	U	0.0077	0.050
Heptachlor epoxide	0.010	U	0.0075	0.050
Methoxychlor	0.020	U	0.013	0.10
Toxaphene	0.80	U	0.37	2.5

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	128	30 - 135
Tetrachloro-m-xylene	48	25 - 140

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	108	30 - 135
Tetrachloro-m-xylene	43	25 - 140

Client: FPM Remediations Inc

Job Number: 280-42047-1

Lab Control Sample - Batch: 280-174025

Method: 8081B
Preparation: 3510C

Lab Sample ID:	LCS 280-174025/6-A	Analysis Batch:	280-174317	Instrument ID:	SGC_P1
Client Matrix:	Water	Prep Batch:	280-174025	Lab File ID:	05150019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/15/2013 1634	Units:	ug/L	Final Weight/Volume:	10000 uL
Prep Date:	05/13/2013 1720			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toxaphene	2.00	1.79	89	63 - 142	J

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	126	30 - 135
Tetrachloro-m-xylene	50	25 - 140

Client: FPM Remediations Inc

Job Number: 280-42047-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-174025

Method: 8081B
Preparation: 3510C

LCS Lab Sample ID:	LCS 280-174025/2-A	Analysis Batch:	280-174317	Instrument ID:	SGC_P1
Client Matrix:	Water	Prep Batch:	280-174025	Lab File ID:	05150020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/15/2013 1651	Units:	ug/L	Final Weight/Volume:	10000 uL
Prep Date:	05/13/2013 1720			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

LCSD Lab Sample ID:	LCSD 280-174025/3-A	Analysis Batch:	280-174317	Instrument ID:	SGC_P1
Client Matrix:	Water	Prep Batch:	280-174025	Lab File ID:	05150021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/15/2013 1709	Units:	ug/L	Final Weight/Volume:	10000 uL
Prep Date:	05/13/2013 1720			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
4,4'-DDD	123	124	25 - 150	1	30		
4,4'-DDE	103	102	35 - 140	1	30		
4,4'-DDT	112	114	45 - 140	2	30		
Aldrin	68	63	25 - 140	7	30		
alpha-BHC	109	111	60 - 130	1	30		
alpha-Chlordane	107	107	65 - 125	0	30		
beta-BHC	103	104	65 - 125	2	30		
delta-BHC	111	113	45 - 135	2	30		
Dieldrin	120	121	60 - 130	1	30		
Endosulfan I	98	99	50 - 110	1	30		
Endosulfan II	121	121	30 - 130	0	30		
Endosulfan sulfate	118	119	55 - 135	0	30		
Endrin	131	133	55 - 135	1	30		
Endrin aldehyde	111	112	55 - 135	1	30		
Endrin ketone	114	114	75 - 125	1	30		
gamma-BHC (Lindane)	112	113	25 - 135	2	30		
gamma-Chlordane	102	102	60 - 125	0	30		
Heptachlor	77	75	40 - 130	2	30		
Heptachlor epoxide	114	116	60 - 130	2	30		
Methoxychlor	117	116	55 - 150	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	126	126	30 - 135
Tetrachloro-m-xylene	60	62	25 - 140

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	106	106	30 - 135
Tetrachloro-m-xylene	55	56	25 - 140

Client: FPM Remediations Inc

Job Number: 280-42047-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-174025

Method: 8081B
Preparation: 3510C

LCS Lab Sample ID:	LCS 280-174025/2-A	Units: ug/L		LCSD Lab Sample ID:	LCSD 280-174025/3-A
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/15/2013 1651			Analysis Date:	05/15/2013 1709
Prep Date:	05/13/2013 1720			Prep Date:	05/13/2013 1720
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
4,4'-DDD	0.500	0.500	0.615	0.619
4,4'-DDE	0.500	0.500	0.516	0.512
4,4'-DDT	0.500	0.500	0.560	0.569
Aldrin	0.500	0.500	0.339	0.317
alpha-BHC	0.500	0.500	0.547	0.554
alpha-Chlordane	0.500	0.500	0.533	0.535
beta-BHC	0.500	0.500	0.513	0.522
delta-BHC	0.500	0.500	0.553	0.564
Dieldrin	0.500	0.500	0.599	0.605
Endosulfan I	0.500	0.500	0.489	0.495
Endosulfan II	0.500	0.500	0.605	0.605
Endosulfan sulfate	0.500	0.500	0.590	0.593
Endrin	0.500	0.500	0.655	0.663
Endrin aldehyde	0.500	0.500	0.554	0.560
Endrin ketone	0.500	0.500	0.568	0.572
gamma-BHC (Lindane)	0.500	0.500	0.558	0.567
gamma-Chlordane	0.500	0.500	0.511	0.511
Heptachlor	0.500	0.500	0.383	0.377
Heptachlor epoxide	0.500	0.500	0.570	0.579
Methoxychlor	0.500	0.500	0.586	0.579

Client: FPM Remediations Inc

Job Number: 280-42047-1

Method Blank - Batch: 280-174346

Method: 8081B
Preparation: 3546

Lab Sample ID:	MB 280-174346/1-A	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Client Matrix:	Solid	Prep Batch:	280-174346	Lab File ID:	05290014.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.7 g
Analysis Date:	05/29/2013 1717	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	05/15/2013 1108			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
4,4'-DDD	0.65	U	0.52	1.6
4,4'-DDE	0.44	U	0.23	1.6
4,4'-DDT	0.65	U	0.56	1.9
Aldrin	0.44	U	0.24	1.6
alpha-BHC	0.44	U	0.20	1.6
alpha-Chlordane	0.44	U	0.31	1.6
beta-BHC	0.65	U	0.63	1.6
delta-BHC	0.65	U	0.38	1.6
Dieldrin	0.44	U	0.20	1.6
Endosulfan I	0.44	U	0.17	1.6
Endosulfan II	0.44	U	0.27	1.6
Endosulfan sulfate	0.44	U	0.26	1.6
Endrin	0.44	U	0.29	1.6
Endrin aldehyde	0.44	U	0.16	1.6
Endrin ketone	0.65	U	0.46	1.6
gamma-BHC (Lindane)	0.65	U	0.44	1.6
gamma-Chlordane	0.65	U	0.25	1.6
Heptachlor	0.44	U	0.20	1.6
Heptachlor epoxide	0.65	U	0.40	1.6
Methoxychlor	0.65	U	0.43	3.1
Toxaphene	26	U	15	160

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	89	55 - 130
Tetrachloro-m-xylene	78	70 - 125

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	87	55 - 130
Tetrachloro-m-xylene	79	70 - 125

Lab Control Sample - Batch: 280-174346

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 280-174346/2-A	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Client Matrix:	Solid	Prep Batch:	280-174346	Lab File ID:	05290015.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.3 g
Analysis Date:	05/29/2013 1733	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	05/15/2013 1108			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	16.0	15.0	94	30 - 135	
4,4'-DDE	16.0	15.2	95	70 - 125	
4,4'-DDT	16.0	15.1	94	45 - 140	
Aldrin	16.0	15.7	98	45 - 140	
alpha-BHC	16.0	15.3	96	60 - 125	
alpha-Chlordane	16.0	15.3	96	65 - 120	
beta-BHC	16.0	14.0	87	60 - 125	
delta-BHC	16.0	15.4	96	55 - 130	
Dieldrin	16.0	15.7	98	65 - 125	
Endosulfan I	16.0	15.4	96	15 - 135	
Endosulfan II	16.0	15.3	96	35 - 140	
Endosulfan sulfate	16.0	14.6	91	60 - 135	
Endrin	16.0	17.7	111	60 - 135	
Endrin aldehyde	16.0	11.6	73	54 - 115	
Endrin ketone	16.0	13.4	84	65 - 135	
gamma-BHC (Lindane)	16.0	15.5	97	60 - 125	
gamma-Chlordane	16.0	14.9	93	65 - 125	
Heptachlor	16.0	14.4	90	50 - 140	
Heptachlor epoxide	16.0	15.6	98	65 - 130	
Methoxychlor	16.0	14.4	90	55 - 145	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	110	55 - 130
Tetrachloro-m-xylene	76	70 - 125

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	91	55 - 130
Tetrachloro-m-xylene	76	70 - 125

Lab Control Sample - Batch: 280-174346

Method: 8081B
Preparation: 3546

Lab Sample ID:	LCS 280-174346/3-A	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Client Matrix:	Solid	Prep Batch:	280-174346	Lab File ID:	05290016.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.0 g
Analysis Date:	05/29/2013 1750	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	05/15/2013 1108			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toxaphene	64.5	48.4	75	51 - 139	J

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	100	55 - 130

Client: FPM Remediations Inc

Job Number: 280-42047-1

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	72	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-174346

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	280-42047-8	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Client Matrix:	Solid	Prep Batch:	280-174346	Lab File ID:	05290037.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.5 g
Analysis Date:	05/29/2013 2336			Final Weight/Volume:	10000 uL
Prep Date:	05/15/2013 1108			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	280-42047-8	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Client Matrix:	Solid	Prep Batch:	280-174346	Lab File ID:	05290038.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	32.5 g
Analysis Date:	05/29/2013 2352			Final Weight/Volume:	10000 uL
Prep Date:	05/15/2013 1108			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
4,4'-DDD	93	91	30 - 135	8	30		
4,4'-DDE	80	80	70 - 125	5	30		
4,4'-DDT	77	78	45 - 140	3	30		
Aldrin	98	96	45 - 140	8	30		
alpha-BHC	108	108	60 - 125	7	30		
alpha-Chlordane	101	102	65 - 120	5	30		
beta-BHC	79	76	60 - 125	10	30		
delta-BHC	87	84	55 - 130	10	30		
Dieldrin	96	93	65 - 125	9	30		
Endosulfan I	92	89	15 - 135	10	30		
Endosulfan II	89	86	35 - 140	10	30		
Endosulfan sulfate	87	82	60 - 135	12	30		
Endrin	106	102	60 - 135	10	30		
Endrin aldehyde	61	59	35 - 145	9	30		
Endrin ketone	79	74	65 - 135	13	30		
gamma-BHC (Lindane)	92	92	60 - 125	6	30		
gamma-Chlordane	98	98	65 - 125	6	30		
Heptachlor	94	93	50 - 140	7	30		
Heptachlor epoxide	101	97	65 - 135	10	30		
Methoxychlor	73	69	55 - 145	12	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	103	101	55 - 130
Tetrachloro-m-xylene	83	82	70 - 125

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	101	55 - 130
Tetrachloro-m-xylene	70	75	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-174346

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	280-42047-8	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Client Matrix:	Solid	Prep Batch:	280-174346	Lab File ID:	05290039.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	05/30/2013 0009			Final Weight/Volume:	10000 uL
Prep Date:	05/15/2013 1108			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	280-42047-8	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Client Matrix:	Solid	Prep Batch:	280-174346	Lab File ID:	05290040.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.8 g
Analysis Date:	05/30/2013 0025			Final Weight/Volume:	10000 uL
Prep Date:	05/15/2013 1108			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Toxaphene	191	265	51 - 139	30	30	Q J	Q J

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
DCB Decachlorobiphenyl	102		104		55 - 130
Tetrachloro-m-xylene	67	Q	65	Q	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-174346

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	280-42047-8	Units:	ug/Kg	MSD Lab Sample ID:	280-42047-8
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/29/2013 2336			Analysis Date:	05/29/2013 2352
Prep Date:	05/15/2013 1108			Prep Date:	05/15/2013 1108
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
4,4'-DDD	2.9		18.9	17.7	20.5	19.0
4,4'-DDE	3.9		18.9	17.7	19.1	18.2
4,4'-DDT	13		18.9	17.7	27.3	26.5
Aldrin	0.50	U	18.9	17.7	18.4	17.1
alpha-BHC	0.50	U	18.9	17.7	20.4	19.1
alpha-Chlordane	1.7	J	18.9	17.7	20.7	19.7
beta-BHC	0.75	U	18.9	17.7	15.0	13.5
delta-BHC	0.75	U	18.9	17.7	16.4	14.9
Dieldrin	0.68	J	18.9	17.7	18.9	17.2
Endosulfan I	0.50	U	18.9	17.7	17.4	15.7
Endosulfan II	0.50	U	18.9	17.7	16.9	15.2
Endosulfan sulfate	0.50	U	18.9	17.7	16.4	14.5
Endrin	0.50	U	18.9	17.7	20.1	18.1
Endrin aldehyde	0.50	U	18.9	17.7	11.5	10.5
Endrin ketone	0.75	U	18.9	17.7	15.0	13.2
gamma-BHC (Lindane)	0.75	U	18.9	17.7	17.4	16.3
gamma-Chlordane	0.75	U	18.9	17.7	18.5	17.4
Heptachlor	0.50	U	18.9	17.7	17.8	16.5
Heptachlor epoxide	0.47	J	18.9	17.7	19.5	17.6
Methoxychlor	0.75	U	18.9	17.7	13.8	12.2

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-174346

Method: 8081B
Preparation: 3546

MS Lab Sample ID:	280-42047-8	Units:	ug/Kg	MSD Lab Sample ID:	280-42047-8
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/30/2013 0009			Analysis Date:	05/30/2013 0025
Prep Date:	05/15/2013 1108			Prep Date:	05/15/2013 1108
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Toxaphene	29	U	76.9	74.9	147	Q J	199	Q J

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-42047-1

Lab Section	Qualifier	Description
GC Semi VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	Q	One or more quality control criteria failed.
	D	The reported value is from a dilution.
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-42047-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 280-174025					
LCS 280-174025/2-A	Lab Control Sample	T	Water	3510C	
LCS 280-174025/6-A	Lab Control Sample	T	Water	3510C	
LCSD 280-174025/3-A	Lab Control Sample Duplicate	T	Water	3510C	
MB 280-174025/1-A	Method Blank	T	Water	3510C	
280-42047-11EB	050613AE	T	Water	3510C	
Analysis Batch:280-174317					
LCS 280-174025/2-A	Lab Control Sample	T	Water	8081B	280-174025
LCS 280-174025/6-A	Lab Control Sample	T	Water	8081B	280-174025
LCSD 280-174025/3-A	Lab Control Sample Duplicate	T	Water	8081B	280-174025
MB 280-174025/1-A	Method Blank	T	Water	8081B	280-174025
280-42047-11EB	050613AE	T	Water	8081B	280-174025
Prep Batch: 280-174346					
LCS 280-174346/2-A	Lab Control Sample	T	Solid	3546	
LCS 280-174346/3-A	Lab Control Sample	T	Solid	3546	
MB 280-174346/1-A	Method Blank	T	Solid	3546	
280-42047-1	B301SCS0104AA	T	Solid	3546	
280-42047-1DL	B301SCS0104AA	T	Solid	3546	
280-42047-2	B301SCS0108AA	T	Solid	3546	
280-42047-2DL	B301SCS0108AA	T	Solid	3546	
280-42047-3	B301SCS0112AA	T	Solid	3546	
280-42047-4	B301SCS0204AA	T	Solid	3546	
280-42047-4DL	B301SCS0204AA	T	Solid	3546	
280-42047-5	B301SCS0208AA	T	Solid	3546	
280-42047-5DL	B301SCS0208AA	T	Solid	3546	
280-42047-6	B301SCS0212AA	T	Solid	3546	
280-42047-7	B301SCS0304AA	T	Solid	3546	
280-42047-7DL	B301SCS0304AA	T	Solid	3546	
280-42047-8	B301SCS0308AA	T	Solid	3546	
280-42047-8DL	B301SCS0308AA	T	Solid	3546	
280-42047-8MS	Matrix Spike	T	Solid	3546	
280-42047-8MSD	Matrix Spike Duplicate	T	Solid	3546	
280-42047-9	B301SCS0312AA	T	Solid	3546	
280-42047-9DL	B301SCS0312AA	T	Solid	3546	
280-42047-10FD	B301SCS0112AC	T	Solid	3546	

Client: FPM Remediations Inc

Job Number: 280-42047-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:280-176329					
LCS 280-174346/2-A	Lab Control Sample	T	Solid	8081B	280-174346
LCS 280-174346/3-A	Lab Control Sample	T	Solid	8081B	280-174346
MB 280-174346/1-A	Method Blank	T	Solid	8081B	280-174346
280-42047-1	B301SCS0104AA	T	Solid	8081B	280-174346
280-42047-1DL	B301SCS0104AA	T	Solid	8081B	280-174346
280-42047-2	B301SCS0108AA	T	Solid	8081B	280-174346
280-42047-2DL	B301SCS0108AA	T	Solid	8081B	280-174346
280-42047-3	B301SCS0112AA	T	Solid	8081B	280-174346
280-42047-4	B301SCS0204AA	T	Solid	8081B	280-174346
280-42047-5	B301SCS0208AA	T	Solid	8081B	280-174346
280-42047-5DL	B301SCS0208AA	T	Solid	8081B	280-174346
280-42047-6	B301SCS0212AA	T	Solid	8081B	280-174346
280-42047-7	B301SCS0304AA	T	Solid	8081B	280-174346
280-42047-7DL	B301SCS0304AA	T	Solid	8081B	280-174346
280-42047-8	B301SCS0308AA	T	Solid	8081B	280-174346
280-42047-8DL	B301SCS0308AA	T	Solid	8081B	280-174346
280-42047-8MS	Matrix Spike	T	Solid	8081B	280-174346
280-42047-8MSD	Matrix Spike Duplicate	T	Solid	8081B	280-174346
280-42047-9	B301SCS0312AA	T	Solid	8081B	280-174346
280-42047-9DL	B301SCS0312AA	T	Solid	8081B	280-174346
280-42047-10FD	B301SCS0112AC	T	Solid	8081B	280-174346
Analysis Batch:280-176496					
280-42047-4DL	B301SCS0204AA	T	Solid	8081B	280-174346

Report Basis
T = Total

General Chemistry

Analysis Batch:280-175692					
280-42047-1	B301SCS0104AA	T	Solid	Moisture	
280-42047-2	B301SCS0108AA	T	Solid	Moisture	
280-42047-3	B301SCS0112AA	T	Solid	Moisture	
280-42047-4	B301SCS0204AA	T	Solid	Moisture	
280-42047-5	B301SCS0208AA	T	Solid	Moisture	
280-42047-6	B301SCS0212AA	T	Solid	Moisture	
280-42047-7	B301SCS0304AA	T	Solid	Moisture	
280-42047-8	B301SCS0308AA	T	Solid	Moisture	
280-42047-9	B301SCS0312AA	T	Solid	Moisture	
280-42047-10FD	B301SCS0112AC	T	Solid	Moisture	

Report Basis
T = Total

Client: FPM Remediations Inc

Job Number: 280-42047-1

Laboratory Chronicle

Lab ID: 280-42047-1 **Client ID:** B301SCS0104AA

Sample Date/Time: 05/06/2013 09:48 Received Date/Time: 05/08/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-42047-A-1-A	DL	280-176329	280-174346	05/15/2013 11:08	10	TAL DEN	EER
A:8081B	280-42047-A-1-A	DL	280-176329	280-174346	05/29/2013 18:39	10	TAL DEN	DW
P:3546	280-42047-A-1-A		280-176329	280-174346	05/15/2013 11:08	1	TAL DEN	EER
A:8081B	280-42047-A-1-A		280-176329	280-174346	05/29/2013 21:57	1	TAL DEN	DW
A:Moisture	280-42047-A-1		280-175692		05/23/2013 12:10	1	TAL DEN	JS

Lab ID: 280-42047-2 **Client ID:** B301SCS0108AA

Sample Date/Time: 05/06/2013 09:55 Received Date/Time: 05/08/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-42047-A-2-A	DL	280-176329	280-174346	05/15/2013 11:08	10	TAL DEN	EER
A:8081B	280-42047-A-2-A	DL	280-176329	280-174346	05/29/2013 18:56	10	TAL DEN	DW
P:3546	280-42047-A-2-A		280-176329	280-174346	05/15/2013 11:08	1	TAL DEN	EER
A:8081B	280-42047-A-2-A		280-176329	280-174346	05/29/2013 22:14	1	TAL DEN	DW
A:Moisture	280-42047-A-2		280-175692		05/23/2013 12:10	1	TAL DEN	JS

Lab ID: 280-42047-3 **Client ID:** B301SCS0112AA

Sample Date/Time: 05/06/2013 10:02 Received Date/Time: 05/08/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-42047-A-3-A		280-176329	280-174346	05/15/2013 11:08	1	TAL DEN	EER
A:8081B	280-42047-A-3-A		280-176329	280-174346	05/29/2013 19:12	1	TAL DEN	DW
A:Moisture	280-42047-A-3		280-175692		05/23/2013 12:10	1	TAL DEN	JS

Lab ID: 280-42047-4 **Client ID:** B301SCS0204AA

Sample Date/Time: 05/06/2013 10:25 Received Date/Time: 05/08/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-42047-A-4-A		280-176329	280-174346	05/15/2013 11:08	1	TAL DEN	EER
A:8081B	280-42047-A-4-A		280-176329	280-174346	05/29/2013 22:30	1	TAL DEN	DW
P:3546	280-42047-A-4-A	DL	280-176496	280-174346	05/15/2013 11:08	100	TAL DEN	EER
A:8081B	280-42047-A-4-A	DL	280-176496	280-174346	05/30/2013 17:33	100	TAL DEN	DW
A:Moisture	280-42047-A-4		280-175692		05/23/2013 12:10	1	TAL DEN	JS

Client: FPM Remediations Inc

Job Number: 280-42047-1

Laboratory Chronicle

Lab ID: 280-42047-5 **Client ID:** B301SCS0208AA

Sample Date/Time: 05/06/2013 10:27 Received Date/Time: 05/08/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-42047-A-5-A	DL	280-176329	280-174346	05/15/2013 11:08	10	TAL DEN	EER
A:8081B	280-42047-A-5-A	DL	280-176329	280-174346	05/29/2013 19:45	10	TAL DEN	DW
P:3546	280-42047-A-5-A		280-176329	280-174346	05/15/2013 11:08	1	TAL DEN	EER
A:8081B	280-42047-A-5-A		280-176329	280-174346	05/29/2013 22:47	1	TAL DEN	DW
A:Moisture	280-42047-A-5		280-175692		05/23/2013 12:10	1	TAL DEN	JS

Lab ID: 280-42047-6 **Client ID:** B301SCS0212AA

Sample Date/Time: 05/06/2013 10:31 Received Date/Time: 05/08/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-42047-A-6-A		280-176329	280-174346	05/15/2013 11:08	1	TAL DEN	EER
A:8081B	280-42047-A-6-A		280-176329	280-174346	05/29/2013 20:02	1	TAL DEN	DW
A:Moisture	280-42047-A-6		280-175692		05/23/2013 12:10	1	TAL DEN	JS

Lab ID: 280-42047-7 **Client ID:** B301SCS0304AA

Sample Date/Time: 05/06/2013 10:12 Received Date/Time: 05/08/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-42047-A-7-A	DL	280-176329	280-174346	05/15/2013 11:08	10	TAL DEN	EER
A:8081B	280-42047-A-7-A	DL	280-176329	280-174346	05/29/2013 20:18	10	TAL DEN	DW
P:3546	280-42047-A-7-A		280-176329	280-174346	05/15/2013 11:08	1	TAL DEN	EER
A:8081B	280-42047-A-7-A		280-176329	280-174346	05/29/2013 23:03	1	TAL DEN	DW
A:Moisture	280-42047-A-7		280-175692		05/23/2013 12:10	1	TAL DEN	JS

Lab ID: 280-42047-8 **Client ID:** B301SCS0308AA

Sample Date/Time: 05/06/2013 10:16 Received Date/Time: 05/08/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-42047-C-8-A	DL	280-176329	280-174346	05/15/2013 11:08	10	TAL DEN	EER
A:8081B	280-42047-C-8-A	DL	280-176329	280-174346	05/29/2013 20:35	10	TAL DEN	DW
P:3546	280-42047-C-8-A		280-176329	280-174346	05/15/2013 11:08	1	TAL DEN	EER
A:8081B	280-42047-C-8-A		280-176329	280-174346	05/29/2013 23:19	1	TAL DEN	DW
A:Moisture	280-42047-A-8		280-175692		05/23/2013 12:10	1	TAL DEN	JS

Client: FPM Remediations Inc

Job Number: 280-42047-1

Laboratory Chronicle

Lab ID: 280-42047-8 **Client ID:** B301SCS0308AA

Sample Date/Time: 05/06/2013 10:16 Received Date/Time: 05/08/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-42047-C-8-B MS		280-176329	280-174346	05/15/2013 11:08	1	TAL DEN	EER
A:8081B	280-42047-C-8-B MS		280-176329	280-174346	05/29/2013 23:36	1	TAL DEN	DW
P:3546	280-42047-A-8-A MS		280-176329	280-174346	05/15/2013 11:08	1	TAL DEN	EER
A:8081B	280-42047-A-8-A MS		280-176329	280-174346	05/30/2013 00:09	1	TAL DEN	DW

Lab ID: 280-42047-8 **Client ID:** B301SCS0308AA

Sample Date/Time: 05/06/2013 10:16 Received Date/Time: 05/08/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-42047-C-8-C MSD		280-176329	280-174346	05/15/2013 11:08	1	TAL DEN	EER
A:8081B	280-42047-C-8-C MSD		280-176329	280-174346	05/29/2013 23:52	1	TAL DEN	DW
P:3546	280-42047-A-8-B MSD		280-176329	280-174346	05/15/2013 11:08	1	TAL DEN	EER
A:8081B	280-42047-A-8-B MSD		280-176329	280-174346	05/30/2013 00:25	1	TAL DEN	DW

Lab ID: 280-42047-9 **Client ID:** B301SCS0312AA

Sample Date/Time: 05/06/2013 10:29 Received Date/Time: 05/08/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-42047-A-9-A	DL	280-176329	280-174346	05/15/2013 11:08	10	TAL DEN	EER
A:8081B	280-42047-A-9-A	DL	280-176329	280-174346	05/29/2013 20:51	10	TAL DEN	DW
P:3546	280-42047-A-9-A		280-176329	280-174346	05/15/2013 11:08	1	TAL DEN	EER
A:8081B	280-42047-A-9-A		280-176329	280-174346	05/30/2013 00:42	1	TAL DEN	DW
A:Moisture	280-42047-A-9		280-175692		05/23/2013 12:10	1	TAL DEN	JS

Lab ID: 280-42047-10 **Client ID:** B301SCS0112AC

Sample Date/Time: 05/06/2013 10:08 Received Date/Time: 05/08/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3546	280-42047-A-10-A		280-176329	280-174346	05/15/2013 11:08	1	TAL DEN	EER
A:8081B	280-42047-A-10-A		280-176329	280-174346	05/29/2013 21:08	1	TAL DEN	DW
A:Moisture	280-42047-A-10		280-175692		05/23/2013 12:10	1	TAL DEN	JS

Client: FPM Remediations Inc

Job Number: 280-42047-1

Laboratory Chronicle

Lab ID: 280-42047-11 **Client ID:** 050613AE

Sample Date/Time: 05/06/2013 16:30 Received Date/Time: 05/08/2013 09:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	280-42047-A-11-A		280-174317	280-174025	05/13/2013 17:20	1	TAL DEN	RM
A:8081B	280-42047-A-11-A		280-174317	280-174025	05/15/2013 18:36	1	TAL DEN	DW

Lab ID: MB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	MB 280-174025/1-A		280-174317	280-174025	05/13/2013 17:20	1	TAL DEN	RM
A:8081B	MB 280-174025/1-A		280-174317	280-174025	05/15/2013 16:16	1	TAL DEN	DW
P:3546	MB 280-174346/1-A		280-176329	280-174346	05/15/2013 11:08	1	TAL DEN	EER
A:8081B	MB 280-174346/1-A		280-176329	280-174346	05/29/2013 17:17	1	TAL DEN	DW

Lab ID: LCS **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	LCS 280-174025/6-A		280-174317	280-174025	05/13/2013 17:20	1	TAL DEN	RM
A:8081B	LCS 280-174025/6-A		280-174317	280-174025	05/15/2013 16:34	1	TAL DEN	DW
P:3510C	LCS 280-174025/2-A		280-174317	280-174025	05/13/2013 17:20	1	TAL DEN	RM
A:8081B	LCS 280-174025/2-A		280-174317	280-174025	05/15/2013 16:51	1	TAL DEN	DW
P:3546	LCS 280-174346/2-A		280-176329	280-174346	05/15/2013 11:08	1	TAL DEN	EER
A:8081B	LCS 280-174346/2-A		280-176329	280-174346	05/29/2013 17:33	1	TAL DEN	DW
P:3546	LCS 280-174346/3-A		280-176329	280-174346	05/15/2013 11:08	1	TAL DEN	EER
A:8081B	LCS 280-174346/3-A		280-176329	280-174346	05/29/2013 17:50	1	TAL DEN	DW

Lab ID: LCSD **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	LCSD 280-174025/3-A		280-174317	280-174025	05/13/2013 17:20	1	TAL DEN	RM
A:8081B	LCSD 280-174025/3-A		280-174317	280-174025	05/15/2013 17:09	1	TAL DEN	DW

Lab References:

TAL DEN = TestAmerica Denver

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8081 LCS_00187	05/16/13	05/09/13	P&T Methanol, Lot MethanolP&T_00058	50 mL	8081LCSPrim_00017	0.5 mL	4,4'-DDD	0.5 ug/mL
							4,4'-DDE	0.5 ug/mL
							4,4'-DDT	0.5 ug/mL
							Aldrin	0.5 ug/mL
							alpha-BHC	0.5 ug/mL
							alpha-Chlordane	0.5 ug/mL
							beta-BHC	0.5 ug/mL
							delta-BHC	0.5 ug/mL
							Dieldrin	0.5 ug/mL
							Endosulfan I	0.5 ug/mL
							Endosulfan II	0.5 ug/mL
							Endosulfan sulfate	0.5 ug/mL
							Endrin	0.5 ug/mL
							Endrin aldehyde	0.5 ug/mL
							Endrin ketone	0.5 ug/mL
							gamma-BHC (Lindane)	0.5 ug/mL
							gamma-Chlordane	0.5 ug/mL
							Heptachlor	0.5 ug/mL
							Heptachlor epoxide	0.5 ug/mL
							Methoxychlor	0.5 ug/mL
.8081LCSPrim_00017	08/04/13	02/04/13	Hexane, Lot Hexane_Cycl_00010	10 mL	8081LCSStock_00011	0.5 mL	4,4'-DDD	50 ug/mL
							4,4'-DDE	50 ug/mL
							4,4'-DDT	50 ug/mL
							Aldrin	50 ug/mL
							alpha-BHC	50 ug/mL
							alpha-Chlordane	50 ug/mL
							beta-BHC	50 ug/mL
							delta-BHC	50 ug/mL
							Dieldrin	50 ug/mL
							Endosulfan I	50 ug/mL
							Endosulfan II	50 ug/mL
							Endosulfan sulfate	50 ug/mL
							Endrin	50 ug/mL
							Endrin aldehyde	50 ug/mL
							Endrin ketone	50 ug/mL
							gamma-BHC (Lindane)	50 ug/mL
							gamma-Chlordane	50 ug/mL
							Heptachlor	50 ug/mL
							Heptachlor epoxide	50 ug/mL
							Methoxychlor	50 ug/mL
..8081LCSStock_00011	12/31/13	ULTRA SCIENTIFIC, Lot CH-3658			(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
8081/82 Surr_00055	11/03/13	05/03/13	ACETONE, Lot Acetone_00047	1000 mL	8081 SurStock_00058	1 mL	DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.8081 SurStock_00058	02/07/23	AccuStandard, Inc., Lot 213011418			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081_EvalB2nd_00007	07/14/13	01/14/13	Hexane, Lot L08E29	100 mL	8081EvalBStk2_00004	20 uL	4,4'-DDT	0.04 ug/mL
							Endrin	0.04 ug/mL
.8081EvalBStk2_00004	08/29/13	AccuStandard, Inc, Lot 212081678			(Purchased Reagent)		4,4'-DDT	200 ug/mL
							Endrin	200 ug/mL
8081ABICVL3_00014	06/11/13	12/11/12	Hexane, Lot L08E29	100 mL	8081ABICVStk_00012	2.5 mL	4,4'-DDD	25 ng/mL
							4,4'-DDE	25 ng/mL
							4,4'-DDT	25 ng/mL
							Aldrin	25 ng/mL
							alpha-BHC	25 ng/mL
							alpha-Chlordane	25 ng/mL
							beta-BHC	25 ng/mL
							delta-BHC	25 ng/mL
							Dieldrin	25 ng/mL
							Endosulfan I	25 ng/mL
							Endosulfan II	25 ng/mL
							Endosulfan sulfate	25 ng/mL
							Endrin	25 ng/mL
							Endrin aldehyde	25 ng/mL
							Endrin ketone	25 ng/mL
							gamma-BHC (Lindane)	25 ng/mL
							gamma-Chlordane	25 ng/mL
							Heptachlor	25 ng/mL
							Heptachlor epoxide	25 ng/mL
							Methoxychlor	25 ng/mL
							DCB Decachlorobiphenyl	25 ng/mL
							Tetrachloro-m-xylene	25 ng/mL
.8081ABICVStk_00012	06/11/13	12/11/12	Hexane, Lot L08E29	25 mL	8081ABStkSS_00007	0.025 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081SurStkSS_00009	0.125 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABStkSS_00007	12/31/13	Ultra Scientific, Lot CH-3658			(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
..8081SurStkSS_00009	10/31/13	Ultra Scientific, Lot CG-3165			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL1_00012	09/01/13	03/01/13	Hexane, Lot 0000014962	100 mL	8081ABCalStk_00018	0.4 mL	4,4'-DDD	4 ng/mL
							4,4'-DDE	4 ng/mL
							4,4'-DDT	4 ng/mL
							Aldrin	4 ng/mL
							alpha-BHC	4 ng/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha-Chlordane	4 ng/mL
							beta-BHC	4 ng/mL
							delta-BHC	4 ng/mL
							Dieldrin	4 ng/mL
							Endosulfan I	4 ng/mL
							Endosulfan II	4 ng/mL
							Endosulfan sulfate	4 ng/mL
							Endrin	4 ng/mL
							Endrin aldehyde	4 ng/mL
							Endrin ketone	4 ng/mL
							gamma-BHC (Lindane)	4 ng/mL
							gamma-Chlordane	4 ng/mL
							Heptachlor	4 ng/mL
							Heptachlor epoxide	4 ng/mL
							Methoxychlor	4 ng/mL
							Hexachlorobenzene	4 ng/mL
							Isodrin	4 ng/mL
							Mirex	4 ng/mL
							DCB Decachlorobiphenyl	4 ng/mL
							Tetrachloro-m-xylene	4 ng/mL
.8081ABCalStk_00018	09/01/13	03/01/13	Hexane, Lot 0000014962	100 mL	8081ABStkPS_00008	0.1 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00008	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABStkPS_00008	12/08/14		Accustandard, Inc., Lot 211121086		(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
..8081HCBStkPS_00010	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15	Accustandard, Lot 212041166			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00008	01/27/14	Accustandard, Inc., Lot 212011345			(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00009	01/04/22	AccuStandard, Inc., Lot 212011008			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL2_00012	09/01/13	03/01/13	Hexane, Lot 0000014962	100 mL	8081ABCalStk_00018	1 mL	4,4'-DDD	10 ng/mL
							4,4'-DDE	10 ng/mL
							4,4'-DDT	10 ng/mL
							Aldrin	10 ng/mL
							alpha-BHC	10 ng/mL
							alpha-Chlordane	10 ng/mL
							beta-BHC	10 ng/mL
							delta-BHC	10 ng/mL
							Dieldrin	10 ng/mL
							Endosulfan I	10 ng/mL
							Endosulfan II	10 ng/mL
							Endosulfan sulfate	10 ng/mL
							Endrin	10 ng/mL
							Endrin aldehyde	10 ng/mL
							Endrin ketone	10 ng/mL
							gamma-BHC (Lindane)	10 ng/mL
							gamma-Chlordane	10 ng/mL
							Heptachlor	10 ng/mL
							Heptachlor epoxide	10 ng/mL
							Methoxychlor	10 ng/mL
							Hexachlorobenzene	10 ng/mL
							Isodrin	10 ng/mL
							Mirex	10 ng/mL
							DCB Decachlorobiphenyl	10 ng/mL
							Tetrachloro-m-xylene	10 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.8081ABCalStk_00018	09/01/13	03/01/13	Hexane, Lot 0000014962	100 mL	8081ABStkPS_00008	0.1 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00008	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABStkPS_00008	12/08/14	Accustandard, Inc., Lot 211121086			(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
..8081HCBStkPS_00010	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15	Accustandard, Lot 212041166			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00008	01/27/14	Accustandard, Inc., Lot 212011345			(Purchased Reagent)		Mirex	100 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..8081SurStkPS_00009	01/04/22	AccuStandard, Inc., Lot 212011008			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL3_00012	09/01/13	03/01/13	Hexane, Lot 0000014962	100 mL	8081ABCalStk_00018	2.5 mL	4,4'-DDD	25 ng/mL
							4,4'-DDE	25 ng/mL
							4,4'-DDT	25 ng/mL
							Aldrin	25 ng/mL
							alpha-BHC	25 ng/mL
							alpha-Chlordane	25 ng/mL
							beta-BHC	25 ng/mL
							delta-BHC	25 ng/mL
							Dieldrin	25 ng/mL
							Endosulfan I	25 ng/mL
							Endosulfan II	25 ng/mL
							Endosulfan sulfate	25 ng/mL
							Endrin	25 ng/mL
							Endrin aldehyde	25 ng/mL
							Endrin ketone	25 ng/mL
							gamma-BHC (Lindane)	25 ng/mL
							gamma-Chlordane	25 ng/mL
							Heptachlor	25 ng/mL
							Heptachlor epoxide	25 ng/mL
							Methoxychlor	25 ng/mL
							Hexachlorobenzene	25 ng/mL
							Isodrin	25 ng/mL
							Mirex	25 ng/mL
							DCB Decachlorobiphenyl	25 ng/mL
							Tetrachloro-m-xylene	25 ng/mL
.8081ABCalStk_00018	09/01/13	03/01/13	Hexane, Lot 0000014962	100 mL	8081ABStkPS_00008	0.1 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00008	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABStkPS_00008	12/08/14	Accustandard, Inc., Lot 211121086			(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
..8081HCBStkPS_00010	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15	Accustandard, Lot 212041166			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00008	01/27/14	Accustandard, Inc., Lot 212011345			(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00009	01/04/22	AccuStandard, Inc., Lot 212011008			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL4_00014	09/01/13	03/01/13	Hexane, Lot 0000014962	250 mL	8081ABCalStk_00018	12.5 mL	4,4'-DDD	50 ng/mL
							4,4'-DDE	50 ng/mL
							4,4'-DDT	50 ng/mL
							Aldrin	50 ng/mL
							alpha-BHC	50 ng/mL
							alpha-Chlordane	50 ng/mL
							beta-BHC	50 ng/mL
							delta-BHC	50 ng/mL
							Dieldrin	50 ng/mL
							Endosulfan I	50 ng/mL
							Endosulfan II	50 ng/mL
							Endosulfan sulfate	50 ng/mL
							Endrin	50 ng/mL
							Endrin aldehyde	50 ng/mL
							Endrin ketone	50 ng/mL
							gamma-BHC (Lindane)	50 ng/mL
							gamma-Chlordane	50 ng/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Heptachlor	50 ng/mL
							Heptachlor epoxide	50 ng/mL
							Methoxychlor	50 ng/mL
							Hexachlorobenzene	50 ng/mL
							Isodrin	50 ng/mL
							Mirex	50 ng/mL
							DCB Decachlorobiphenyl	50 ng/mL
							Tetrachloro-m-xylene	50 ng/mL
.8081ABCalStk_00018	09/01/13	03/01/13	Hexane, Lot 0000014962	100 mL	8081ABStkPS_00008	0.1 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00008	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABStkPS_00008	12/08/14		Accustandard, Inc., Lot 211121086		(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
..8081HCBStkPS_00010	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15	Accustandard, Lot 212041166			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00008	01/27/14	Accustandard, Inc., Lot 212011345			(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00009	01/04/22	AccuStandard, Inc., Lot 212011008			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL5_00013	09/01/13	03/01/13	Hexane, Lot 0000014962	100 mL	8081ABCalStk_00018	7.5 mL	4,4'-DDD	75 ng/mL
							4,4'-DDE	75 ng/mL
							4,4'-DDT	75 ng/mL
							Aldrin	75 ng/mL
							alpha-BHC	75 ng/mL
							alpha-Chlordane	75 ng/mL
							beta-BHC	75 ng/mL
							delta-BHC	75 ng/mL
							Dieldrin	75 ng/mL
							Endosulfan I	75 ng/mL
							Endosulfan II	75 ng/mL
							Endosulfan sulfate	75 ng/mL
							Endrin	75 ng/mL
							Endrin aldehyde	75 ng/mL
							Endrin ketone	75 ng/mL
							gamma-BHC (Lindane)	75 ng/mL
							gamma-Chlordane	75 ng/mL
							Heptachlor	75 ng/mL
							Heptachlor epoxide	75 ng/mL
							Methoxychlor	75 ng/mL
							Hexachlorobenzene	75 ng/mL
							Isodrin	75 ng/mL
							Mirex	75 ng/mL
							DCB Decachlorobiphenyl	75 ng/mL
							Tetrachloro-m-xylene	75 ng/mL
.8081ABCalStk_00018	09/01/13	03/01/13	Hexane, Lot 0000014962	100 mL	8081ABStkPS_00008	0.1 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00008	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABStkPS_00008	12/08/14	Accustandard, Inc., Lot 211121086			(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
..8081HCBStkPS_00010	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15	Accustandard, Lot 212041166			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00008	01/27/14	Accustandard, Inc., Lot 212011345			(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00009	01/04/22	AccuStandard, Inc., Lot 212011008			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL6_00012	09/01/13	03/01/13	Hexane, Lot 0000014962	100 mL	8081ABCalStk_00018	10 mL	4,4'-DDD	100 ng/mL
							4,4'-DDE	100 ng/mL
							4,4'-DDT	100 ng/mL
							Aldrin	100 ng/mL
							alpha-BHC	100 ng/mL
							alpha-Chlordane	100 ng/mL
							beta-BHC	100 ng/mL
							delta-BHC	100 ng/mL
							Dieldrin	100 ng/mL

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endosulfan I	100 ng/mL
							Endosulfan II	100 ng/mL
							Endosulfan sulfate	100 ng/mL
							Endrin	100 ng/mL
							Endrin aldehyde	100 ng/mL
							Endrin ketone	100 ng/mL
							gamma-BHC (Lindane)	100 ng/mL
							gamma-Chlordane	100 ng/mL
							Heptachlor	100 ng/mL
							Heptachlor epoxide	100 ng/mL
							Methoxychlor	100 ng/mL
							Hexachlorobenzene	100 ng/mL
							Isodrin	100 ng/mL
							Mirex	100 ng/mL
							DCB Decachlorobiphenyl	100 ng/mL
							Tetrachloro-m-xylene	100 ng/mL
.8081ABCalStk_00018	09/01/13	03/01/13	Hexane, Lot 0000014962	100 mL	8081ABStkPS_00008	0.1 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00008	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABStkPS_00008	12/08/14		Accustandard, Inc., Lot 211121086		(Purchased Reagent)		4,4'-DDD	1000 ug/mL
							4,4'-DDE	1000 ug/mL
							4,4'-DDT	1000 ug/mL
							Aldrin	1000 ug/mL
							alpha-BHC	1000 ug/mL
							alpha-Chlordane	1000 ug/mL
							beta-BHC	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							delta-BHC	1000 ug/mL
							Dieldrin	1000 ug/mL
							Endosulfan I	1000 ug/mL
							Endosulfan II	1000 ug/mL
							Endosulfan sulfate	1000 ug/mL
							Endrin	1000 ug/mL
							Endrin aldehyde	1000 ug/mL
							Endrin ketone	1000 ug/mL
							gamma-BHC (Lindane)	1000 ug/mL
							gamma-Chlordane	1000 ug/mL
							Heptachlor	1000 ug/mL
							Heptachlor epoxide	1000 ug/mL
							Methoxychlor	1000 ug/mL
..8081HCBStkPS_00010	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15	Accustandard, Lot 212041166			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00008	01/27/14	Accustandard, Inc., Lot 212011345			(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00009	01/04/22	AccuStandard, Inc., Lot 212011008			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081Toxaphene_00014	07/31/13	01/31/13	ACETONE, Lot Acetone_00038	250 mL	8081 ToxStock_00006	0.5 mL	Toxaphene	2 ug/mL
.8081 ToxStock_00006	05/21/20	AccuStandard, Lot 210051215			(Purchased Reagent)		Toxaphene	1000 ug/mL
8081TOXCCVL4_00001	11/02/13	05/02/13	Hexane, Lot 23181	250 mL	8081ToxPS_00023	0.1 mL	Toxaphene	2000 ng/mL
							Toxaphene Peak 1	2000 ng/mL
							Toxaphene Peak 2	2000 ng/mL
							Toxaphene Peak 3	2000 ng/mL
							Toxaphene Peak 4	2000 ng/mL
							Toxaphene Peak 5	2000 ng/mL
.8081ToxPS_00023	06/30/17	Restek, Lot A094076			(Purchased Reagent)		Toxaphene	5000 ug/mL
							Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8081ToxL1_00008	06/13/13	12/13/12	Hexane, Lot L08E29	10 mL	8081ToxPS_00018	0.02 mL	Toxaphene	200 ng/mL
.8081ToxPS_00018	09/30/15	Ultra Scientific, Lot CE-2783			(Purchased Reagent)		Toxaphene	100 ug/mL
8081ToxL1_00009	08/06/13	02/06/13	Hexane, Lot 000014962	10 mL	8081ToxPS_00018	0.02 mL	Toxaphene Peak 1	200 ng/mL
							Toxaphene Peak 2	200 ng/mL
							Toxaphene Peak 3	200 ng/mL
							Toxaphene Peak 4	200 ng/mL
							Toxaphene Peak 5	200 ng/mL
.8081ToxPS_00018	09/30/15	Ultra Scientific, Lot CE-2783			(Purchased Reagent)		Toxaphene Peak 1	100 ug/mL
							Toxaphene Peak 2	100 ug/mL
							Toxaphene Peak 3	100 ug/mL
							Toxaphene Peak 4	100 ug/mL
							Toxaphene Peak 5	100 ug/mL
8081ToxL1_00010	11/03/13	05/03/13	Hexane, Lot 23181	100 mL	8081ToxPS_00023	0.004 mL	Toxaphene Peak 1	200 ng/mL

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toxaphene Peak 2	200 ng/mL
							Toxaphene Peak 3	200 ng/mL
							Toxaphene Peak 4	200 ng/mL
							Toxaphene Peak 5	200 ng/mL
.8081ToxPS_00023	06/30/17	Restek, Lot A094076			(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8081ToxL2_00009	08/01/13	02/01/13	Hexane, Lot 0000014962	10 mL	8081ToxPS_00018	0.05 mL	Toxaphene Peak 1	500 ng/mL
							Toxaphene Peak 2	500 ng/mL
							Toxaphene Peak 3	500 ng/mL
							Toxaphene Peak 4	500 ng/mL
							Toxaphene Peak 5	500 ng/mL
.8081ToxPS_00018	09/30/15	Ultra Scientific, Lot CE-2783			(Purchased Reagent)		Toxaphene Peak 1	100 ug/mL
							Toxaphene Peak 2	100 ug/mL
							Toxaphene Peak 3	100 ug/mL
							Toxaphene Peak 4	100 ug/mL
							Toxaphene Peak 5	100 ug/mL
8081ToxL2_00010	11/03/13	05/03/13	Hexane, Lot 23181	100 mL	8081ToxPS_00023	0.01 mL	Toxaphene Peak 1	500 ng/mL
							Toxaphene Peak 2	500 ng/mL
							Toxaphene Peak 3	500 ng/mL
							Toxaphene Peak 4	500 ng/mL
							Toxaphene Peak 5	500 ng/mL
.8081ToxPS_00023	06/30/17	Restek, Lot A094076			(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8081ToxL3_00009	08/06/13	02/06/13	Hexane, Lot 0000014962	10 mL	8081ToxPS_00018	0.1 mL	Toxaphene Peak 1	1000 ng/mL
							Toxaphene Peak 2	1000 ng/mL
							Toxaphene Peak 3	1000 ng/mL
							Toxaphene Peak 4	1000 ng/mL
							Toxaphene Peak 5	1000 ng/mL
.8081ToxPS_00018	09/30/15	Ultra Scientific, Lot CE-2783			(Purchased Reagent)		Toxaphene Peak 1	100 ug/mL
							Toxaphene Peak 2	100 ug/mL
							Toxaphene Peak 3	100 ug/mL
							Toxaphene Peak 4	100 ug/mL
							Toxaphene Peak 5	100 ug/mL
8081ToxL3_00010	11/03/13	05/03/13	Hexane, Lot 0000014962	100 mL	8081ToxPS_00023	0.02 mL	Toxaphene Peak 1	1000 ng/mL
							Toxaphene Peak 2	1000 ng/mL
							Toxaphene Peak 3	1000 ng/mL
							Toxaphene Peak 4	1000 ng/mL
							Toxaphene Peak 5	1000 ng/mL
.8081ToxPS_00023	06/30/17	Restek, Lot A094076			(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8081ToxL4_00014	07/28/13	01/28/13	Hexane, Lot 0000014962	10 mL	8081ToxPS_00018	0.2 mL	Toxaphene Peak 1	2000 ng/mL
							Toxaphene Peak 2	2000 ng/mL
							Toxaphene Peak 3	2000 ng/mL
							Toxaphene Peak 4	2000 ng/mL
							Toxaphene Peak 5	2000 ng/mL
.8081ToxPS_00018	09/30/15		Ultra Scientific, Lot CE-2783		(Purchased Reagent)		Toxaphene Peak 1	100 ug/mL
							Toxaphene Peak 2	100 ug/mL
							Toxaphene Peak 3	100 ug/mL
							Toxaphene Peak 4	100 ug/mL
							Toxaphene Peak 5	100 ug/mL
8081ToxL5_00010	08/06/13	02/06/13	Hexane, Lot 0000014962	10 mL	8081ToxPS_00018	0.5 mL	Toxaphene Peak 1	5000 ng/mL
							Toxaphene Peak 2	5000 ng/mL
							Toxaphene Peak 3	5000 ng/mL
							Toxaphene Peak 4	5000 ng/mL
							Toxaphene Peak 5	5000 ng/mL
.8081ToxPS_00018	09/30/15		Ultra Scientific, Lot CE-2783		(Purchased Reagent)		Toxaphene Peak 1	100 ug/mL
							Toxaphene Peak 2	100 ug/mL
							Toxaphene Peak 3	100 ug/mL
							Toxaphene Peak 4	100 ug/mL
							Toxaphene Peak 5	100 ug/mL
8081ToxL5_00011	11/03/13	05/03/13	Hexane, Lot 23181	100 mL	8081ToxPS_00023	0.1 mL	Toxaphene Peak 1	5000 ng/mL
							Toxaphene Peak 2	5000 ng/mL
							Toxaphene Peak 3	5000 ng/mL
							Toxaphene Peak 4	5000 ng/mL
							Toxaphene Peak 5	5000 ng/mL
.8081ToxPS_00023	06/30/17		Restek, Lot A094076		(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8081ToxL6_00011	08/06/13	02/06/13	Hexane, Lot 0000014962	10 mL	8081ToxPS_00018	1 mL	Toxaphene Peak 1	10000 ng/mL
							Toxaphene Peak 2	10000 ng/mL
							Toxaphene Peak 3	10000 ng/mL
							Toxaphene Peak 4	10000 ng/mL
							Toxaphene Peak 5	10000 ng/mL
.8081ToxPS_00018	09/30/15		Ultra Scientific, Lot CE-2783		(Purchased Reagent)		Toxaphene Peak 1	100 ug/mL
							Toxaphene Peak 2	100 ug/mL
							Toxaphene Peak 3	100 ug/mL
							Toxaphene Peak 4	100 ug/mL
							Toxaphene Peak 5	100 ug/mL
8081ToxL6_00013	11/03/13	05/03/13	Hexane, Lot 23181	100 mL	8081ToxPS_00023	0.2 mL	Toxaphene Peak 1	10000 ng/mL
							Toxaphene Peak 2	10000 ng/mL
							Toxaphene Peak 3	10000 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toxaphene Peak 4	10000 ng/mL
							Toxaphene Peak 5	10000 ng/mL
.8081ToxPS_00023	06/30/17	Restek, Lot A094076			(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8081ToxSS_L3_00008	07/23/13	01/23/13	Hexane, Lot 0000014962	10 mL	8081ToxSS_00009	0.01 mL	Toxaphene	1000 ng/mL
.8081ToxSS_00009	05/21/20	Accustandard, Inc., Lot 210051215			(Purchased Reagent)		Toxaphene	1000 ug/mL

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB DP012 Bldg 301

TestAmerica Job ID: 280-42047-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAP	4	E87667
TestAmerica Denver	Idaho	State Program	10	CO00026
TestAmerica Denver	Illinois	NELAP	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAP	7	E-10166
TestAmerica Denver	Louisiana	NELAP	6	30785
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Maryland	State Program	3	268
TestAmerica Denver	Minnesota	NELAP	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Hampshire	NELAP	1	205310
TestAmerica Denver	New Jersey	NELAP	2	CO004
TestAmerica Denver	New Mexico	State Program	6	CO00026
TestAmerica Denver	New York	NELAP	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAP	10	CO200001
TestAmerica Denver	Pennsylvania	NELAP	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002
TestAmerica Denver	Texas	NELAP	6	T104704183-08-TX
TestAmerica Denver	USDA	Federal		P330-08-00036
TestAmerica Denver	Utah	NELAP	8	QUAN5
TestAmerica Denver	Virginia	NELAP	3	460232
TestAmerica Denver	Washington	State Program	10	C583
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Denver	Wyoming (UST)	A2LA	8	

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method 8081B

Organochlorine Pesticides (GC) by Method 8081B

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP1 ID: 0.32 (mm) GC Column (2): CLP2 ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
B301SCS0104AA	280-42047-1	65 Q	59 Q	128	212 Q
B301SCS0104AA DL	280-42047-1 DL	66 D Q	60 D Q	93 D	168 D Q
B301SCS0108AA	280-42047-2	73	74	85	162 Q
B301SCS0108AA DL	280-42047-2 DL	67 D Q	63 D Q	67 D	154 D Q
B301SCS0112AA	280-42047-3	90	88	97	97
B301SCS0204AA	280-42047-4	70	66 Q	137 Q	263 Q
B301SCS0204AA DL	280-42047-4 DL	0 D Q	0 D Q	0 D Q	0 D Q
B301SCS0208AA	280-42047-5	75	75	95	101
B301SCS0208AA DL	280-42047-5 DL	71 D	62 D Q	79 D	67 D
B301SCS0212AA	280-42047-6	86	85	100	95
B301SCS0304AA	280-42047-7	77	67 Q	141 Q	163 Q
B301SCS0304AA DL	280-42047-7 DL	75 D	60 D Q	88 D	146 D Q
B301SCS0308AA	280-42047-8	69 Q	74	100	97
B301SCS0308AA DL	280-42047-8 DL	69 D Q	61 D Q	81 D	73 D
B301SCS0312AA	280-42047-9	92	77	99	110
B301SCS0312AA DL	280-42047-9 DL	68 D Q	63 D Q	90 D	82 D
B301SCS0112AC	280-42047-10	88	86	99	98
	MB 280-174346/1-A	78	79	89	87
	LCS 280-174346/2-A	76	76	110	91
	LCS 280-174346/3-A	72		100	
B301SCS0308AA MS	280-42047-8 MS	83	70	103	104
B301SCS0308AA MS	280-42047-8 MS	67 Q		102	
B301SCS0308AA MSD	280-42047-8 MSD	82	75	101	101
B301SCS0308AA MSD	280-42047-8 MSD	65 Q		104	

	QC LIMITS
TCX = Tetrachloro-m-xylene	70-125
DCB = DCB Decachlorobiphenyl	55-130

Column to be used to flag recovery values

FORM II 8081B

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): CLP1 ID: 0.32 (mm) GC Column (2): CLP2 ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
050613AE	280-42047-11	56	49	123	104
	MB 280-174025/1-A	48	43	128	108
	LCS 280-174025/2-A	60	55	126	106
	LCS 280-174025/6-A	50		126	
	LCSD 280-174025/3-A	62	56	126	106

	QC LIMITS
TCX = Tetrachloro-m-xylene	25-140
DCB = DCB Decachlorobiphenyl	30-135

Column to be used to flag recovery values

FORM II 8081B

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 05150020.D

Lab ID: LCS 280-174025/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	0.500	0.615	123	25-150	
4,4'-DDE	0.500	0.516	103	35-140	
4,4'-DDT	0.500	0.560	112	45-140	
Aldrin	0.500	0.339	68	25-140	
alpha-BHC	0.500	0.547	109	60-130	
alpha-Chlordane	0.500	0.533	107	65-125	
beta-BHC	0.500	0.513	103	65-125	
delta-BHC	0.500	0.553	111	45-135	
Dieldrin	0.500	0.599	120	60-130	
Endosulfan I	0.500	0.489	98	50-110	
Endosulfan II	0.500	0.605	121	30-130	
Endosulfan sulfate	0.500	0.590	118	55-135	
Endrin	0.500	0.655	131	55-135	
Endrin aldehyde	0.500	0.554	111	55-135	
Endrin ketone	0.500	0.568	114	75-125	
gamma-BHC (Lindane)	0.500	0.558	112	25-135	
gamma-Chlordane	0.500	0.511	102	60-125	
Heptachlor	0.500	0.383	77	40-130	
Heptachlor epoxide	0.500	0.570	114	60-130	
Methoxychlor	0.500	0.586	117	55-150	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 05150019.D

Lab ID: LCS 280-174025/6-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Toxaphene	2.00	1.79 J	89	63-142	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 05290015.D

Lab ID: LCS 280-174346/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	16.0	15.0	94	30-135	
4,4'-DDE	16.0	15.2	95	70-125	
4,4'-DDT	16.0	15.1	94	45-140	
Aldrin	16.0	15.7	98	45-140	
alpha-BHC	16.0	15.3	96	60-125	
alpha-Chlordane	16.0	15.3	96	65-120	
beta-BHC	16.0	14.0	87	60-125	
delta-BHC	16.0	15.4	96	55-130	
Dieldrin	16.0	15.7	98	65-125	
Endosulfan I	16.0	15.4	96	15-135	
Endosulfan II	16.0	15.3	96	35-140	
Endosulfan sulfate	16.0	14.6	91	60-135	
Endrin	16.0	17.7	111	60-135	
Endrin aldehyde	16.0	11.6	73	54-115	
Endrin ketone	16.0	13.4	84	65-135	
gamma-BHC (Lindane)	16.0	15.5	97	60-125	
gamma-Chlordane	16.0	14.9	93	65-125	
Heptachlor	16.0	14.4	90	50-140	
Heptachlor epoxide	16.0	15.6	98	65-130	
Methoxychlor	16.0	14.4	90	55-145	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 05290016.D

Lab ID: LCS 280-174346/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Toxaphene	64.5	48.4 J	75	51-139	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
GC SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 05150021.D

Lab ID: LCSD 280-174025/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4,4'-DDD	0.500	0.619	124	1	30	25-150	
4,4'-DDE	0.500	0.512	102	1	30	35-140	
4,4'-DDT	0.500	0.569	114	2	30	45-140	
Aldrin	0.500	0.317	63	7	30	25-140	
alpha-BHC	0.500	0.554	111	1	30	60-130	
alpha-Chlordane	0.500	0.535	107	0	30	65-125	
beta-BHC	0.500	0.522	104	2	30	65-125	
delta-BHC	0.500	0.564	113	2	30	45-135	
Dieldrin	0.500	0.605	121	1	30	60-130	
Endosulfan I	0.500	0.495	99	1	30	50-110	
Endosulfan II	0.500	0.605	121	0	30	30-130	
Endosulfan sulfate	0.500	0.593	119	0	30	55-135	
Endrin	0.500	0.663	133	1	30	55-135	
Endrin aldehyde	0.500	0.560	112	1	30	55-135	
Endrin ketone	0.500	0.572	114	1	30	75-125	
gamma-BHC (Lindane)	0.500	0.567	113	2	30	25-135	
gamma-Chlordane	0.500	0.511	102	0	30	60-125	
Heptachlor	0.500	0.377	75	2	30	40-130	
Heptachlor epoxide	0.500	0.579	116	2	30	60-130	
Methoxychlor	0.500	0.579	116	1	30	55-150	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 05290037.D

Lab ID: 280-42047-8 MS Client ID: B301SCS0308AA MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
4,4'-DDD	18.9	2.9	20.5	93	30-135	
4,4'-DDE	18.9	3.9	19.1	80	70-125	
4,4'-DDT	18.9	13	27.3	77	45-140	
Aldrin	18.9	0.50 U	18.4	98	45-140	
alpha-BHC	18.9	0.50 U	20.4	108	60-125	
alpha-Chlordane	18.9	1.7 J	20.7	101	65-120	
beta-BHC	18.9	0.75 U	15.0	79	60-125	
delta-BHC	18.9	0.75 U	16.4	87	55-130	
Dieldrin	18.9	0.68 J	18.9	96	65-125	
Endosulfan I	18.9	0.50 U	17.4	92	15-135	
Endosulfan II	18.9	0.50 U	16.9	89	35-140	
Endosulfan sulfate	18.9	0.50 U	16.4	87	60-135	
Endrin	18.9	0.50 U	20.1	106	60-135	
Endrin aldehyde	18.9	0.50 U	11.5	61	35-145	
Endrin ketone	18.9	0.75 U	15.0	79	65-135	
gamma-BHC (Lindane)	18.9	0.75 U	17.4	92	60-125	
gamma-Chlordane	18.9	0.75 U	18.5	98	65-125	
Heptachlor	18.9	0.50 U	17.8	94	50-140	
Heptachlor epoxide	18.9	0.47 J	19.5	101	65-135	
Methoxychlor	18.9	0.75 U	13.8	73	55-145	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
GC SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 05290039.D

Lab ID: 280-42047-8 MS Client ID: B301SCS0308AA MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Toxaphene	76.9	29 U	147 J	191	51-139	Q J

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 05290038.D

Lab ID: 280-42047-8 MSD Client ID: B301SCS0308AA MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4,4'-DDD	17.7	19.0	91	8	30	30-135	
4,4'-DDE	17.7	18.2	80	5	30	70-125	
4,4'-DDT	17.7	26.5	78	3	30	45-140	
Aldrin	17.7	17.1	96	8	30	45-140	
alpha-BHC	17.7	19.1	108	7	30	60-125	
alpha-Chlordane	17.7	19.7	102	5	30	65-120	
beta-BHC	17.7	13.5	76	10	30	60-125	
delta-BHC	17.7	14.9	84	10	30	55-130	
Dieldrin	17.7	17.2	93	9	30	65-125	
Endosulfan I	17.7	15.7	89	10	30	15-135	
Endosulfan II	17.7	15.2	86	10	30	35-140	
Endosulfan sulfate	17.7	14.5	82	12	30	60-135	
Endrin	17.7	18.1	102	10	30	60-135	
Endrin aldehyde	17.7	10.5	59	9	30	35-145	
Endrin ketone	17.7	13.2	74	13	30	65-135	
gamma-BHC (Lindane)	17.7	16.3	92	6	30	60-125	
gamma-Chlordane	17.7	17.4	98	6	30	65-125	
Heptachlor	17.7	16.5	93	7	30	50-140	
Heptachlor epoxide	17.7	17.6	97	10	30	65-135	
Methoxychlor	17.7	12.2	69	12	30	55-145	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
GC SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 05290040.D

Lab ID: 280-42047-8 MSD Client ID: B301SCS0308AA MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Toxaphene	74.9	199	265	30	30	51-139	Q J

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: MB 280-174025/1-A

Matrix: Water Date Extracted: 05/13/2013 17:20

Lab File ID:(1) 05150018.D Lab File ID:(2) 05150018.D

Date Analyzed:(1) 05/15/2013 16:16 Date Analyzed:(2) 05/15/2013 16:16

Instrument ID:(1) SGC_P1 Instrument ID:(2) SGC_P1

GC Column:(1) CLP1 ID: 0.32(mm) GC Column:(2) CLP2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 280-174025/6-A	05/15/2013 16:34	
	LCS 280-174025/2-A	05/15/2013 16:51	05/15/2013 16:51
	LCSD 280-174025/3-A	05/15/2013 17:09	05/15/2013 17:09
050613AE	280-42047-11	05/15/2013 18:36	05/15/2013 18:36

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: MB 280-174346/1-A

Matrix: Solid Date Extracted: 05/15/2013 11:08

Lab File ID:(1) 05290014.D Lab File ID:(2) 05290014.D

Date Analyzed:(1) 05/29/2013 17:17 Date Analyzed:(2) 05/29/2013 17:17

Instrument ID:(1) SGC_P2 Instrument ID:(2) SGC_P2

GC Column:(1) CLP1 ID: 0.32(mm) GC Column:(2) CLP2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 280-174346/2-A	05/29/2013 17:33	05/29/2013 17:33
	LCS 280-174346/3-A	05/29/2013 17:50	
B301SCS0104AA DL	280-42047-1 DL	05/29/2013 18:39	05/29/2013 18:39
B301SCS0108AA DL	280-42047-2 DL	05/29/2013 18:56	05/29/2013 18:56
B301SCS0112AA	280-42047-3	05/29/2013 19:12	05/29/2013 19:12
B301SCS0208AA DL	280-42047-5 DL	05/29/2013 19:45	05/29/2013 19:45
B301SCS0212AA	280-42047-6	05/29/2013 20:02	05/29/2013 20:02
B301SCS0304AA DL	280-42047-7 DL	05/29/2013 20:18	05/29/2013 20:18
B301SCS0308AA DL	280-42047-8 DL	05/29/2013 20:35	05/29/2013 20:35
B301SCS0312AA DL	280-42047-9 DL	05/29/2013 20:51	05/29/2013 20:51
B301SCS0112AC	280-42047-10	05/29/2013 21:08	05/29/2013 21:08
B301SCS0104AA	280-42047-1	05/29/2013 21:57	05/29/2013 21:57
B301SCS0108AA	280-42047-2	05/29/2013 22:14	05/29/2013 22:14
B301SCS0204AA	280-42047-4	05/29/2013 22:30	05/29/2013 22:30
B301SCS0208AA	280-42047-5	05/29/2013 22:47	05/29/2013 22:47
B301SCS0304AA	280-42047-7	05/29/2013 23:03	05/29/2013 23:03
B301SCS0308AA	280-42047-8	05/29/2013 23:19	05/29/2013 23:19
B301SCS0308AA MS	280-42047-8 MS	05/29/2013 23:36	05/29/2013 23:36
B301SCS0308AA MSD	280-42047-8 MSD	05/29/2013 23:52	05/29/2013 23:52
B301SCS0308AA MS	280-42047-8 MS	05/30/2013 00:09	05/30/2013 00:09
B301SCS0308AA MSD	280-42047-8 MSD	05/30/2013 00:25	05/30/2013 00:25
B301SCS0312AA	280-42047-9	05/30/2013 00:42	05/30/2013 00:42
B301SCS0204AA DL	280-42047-4 DL	05/30/2013 17:33	05/30/2013 17:33

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Sample No.: CCVRT 280-174317/16 Date Analyzed: 05/15/2013 15:41

Instrument ID: SGC_P1 GC Column: CLP1 ID: 0.32(mm)

Lab File ID (Standard): 05150016.D Heated Purge: (Y/N) N

Calibration ID: 13795

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.94	9.21	
UPPER LIMIT				3.95	9.22	
LOWER LIMIT				3.93	9.20	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-174317/16		05/15/2013 15:41	05150016.D	3.94	9.21	
MB 280-174025/1-A		05/15/2013 16:16	05150018.D	3.94	9.21	
LCS 280-174025/6-A		05/15/2013 16:34	05150019.D	3.94	9.21	
LCS 280-174025/2-A		05/15/2013 16:51	05150020.D	3.94	9.21	
LCSD 280-174025/3-A		05/15/2013 17:09	05150021.D	3.94	9.21	
280-42047-11	050613AE	05/15/2013 18:36	05150026.D	3.94	9.21	
CCV 280-174317/27		05/15/2013 18:54	05150027.D	3.94	9.21	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.01 minutes of surrogate RT
DCB RT Limit = ± 0.01 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Sample No.: CCVRT 280-174317/16 Date Analyzed: 05/15/2013 15:41

Instrument ID: SGC_P1 GC Column: CLP2 ID: 0.32(mm)

Lab File ID (Standard): 05150016.D Heated Purge: (Y/N) N

Calibration ID: 13796

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.71	9.16	
UPPER LIMIT				3.72	9.17	
LOWER LIMIT				3.70	9.15	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-174317/16		05/15/2013 15:41	05150016.D	3.71	9.16	
MB 280-174025/1-A		05/15/2013 16:16	05150018.D	3.71	9.16	
LCS 280-174025/2-A		05/15/2013 16:51	05150020.D	3.71	9.16	
LCSD 280-174025/3-A		05/15/2013 17:09	05150021.D	3.71	9.16	
280-42047-11	050613AE	05/15/2013 18:36	05150026.D	3.71	9.16	
CCV 280-174317/27		05/15/2013 18:54	05150027.D	3.71	9.16	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.01 minutes of surrogate RT
DCB RT Limit = ± 0.01 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Sample No.: CCVRT 280-176329/10 Date Analyzed: 05/29/2013 16:11

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm)

Lab File ID (Standard): 05290010.D Heated Purge: (Y/N) N

Calibration ID: 14222

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.77	8.96	
UPPER LIMIT				3.78	8.97	
LOWER LIMIT				3.76	8.95	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-176329/10		05/29/2013 16:11	05290010.D	3.77	8.96	
MB 280-174346/1-A		05/29/2013 17:17	05290014.D	3.77	8.96	
LCS 280-174346/2-A		05/29/2013 17:33	05290015.D	3.77	8.96	
LCS 280-174346/3-A		05/29/2013 17:50	05290016.D	3.77	8.96	
CCV 280-176329/17		05/29/2013 18:06	05290017.D	3.77	8.96	
280-42047-1 DL	B301SCS0104AA DL	05/29/2013 18:39	05290019.D	3.77	8.96	
280-42047-2 DL	B301SCS0108AA DL	05/29/2013 18:56	05290020.D	3.77	8.96	
280-42047-3	B301SCS0112AA	05/29/2013 19:12	05290021.D	3.77	8.96	
280-42047-5 DL	B301SCS0208AA DL	05/29/2013 19:45	05290023.D	3.77	8.96	
280-42047-6	B301SCS0212AA	05/29/2013 20:02	05290024.D	3.77	8.96	
280-42047-7 DL	B301SCS0304AA DL	05/29/2013 20:18	05290025.D	3.77	8.96	
280-42047-8 DL	B301SCS0308AA DL	05/29/2013 20:35	05290026.D	3.77	8.96	
280-42047-9 DL	B301SCS0312AA DL	05/29/2013 20:51	05290027.D	3.77	8.96	
280-42047-10	B301SCS0112AC	05/29/2013 21:08	05290028.D	3.77	8.96	
CCV 280-176329/29		05/29/2013 21:24	05290029.D	3.77	8.97	
280-42047-1	B301SCS0104AA	05/29/2013 21:57	05290031.D	3.77	8.97	
280-42047-2	B301SCS0108AA	05/29/2013 22:14	05290032.D	3.77	8.96	
280-42047-4	B301SCS0204AA	05/29/2013 22:30	05290033.D	3.77	8.97	
280-42047-5	B301SCS0208AA	05/29/2013 22:47	05290034.D	3.77	8.96	
280-42047-7	B301SCS0304AA	05/29/2013 23:03	05290035.D	3.77	8.97	
280-42047-8	B301SCS0308AA	05/29/2013 23:19	05290036.D	3.77	8.96	
280-42047-8 MS	B301SCS0308AA MS	05/29/2013 23:36	05290037.D	3.77	8.96	
280-42047-8 MSD	B301SCS0308AA MSD	05/29/2013 23:52	05290038.D	3.77	8.96	
280-42047-8 MS	B301SCS0308AA MS	05/30/2013 00:09	05290039.D	3.77	8.96	
280-42047-8 MSD	B301SCS0308AA MSD	05/30/2013 00:25	05290040.D	3.77	8.96	
280-42047-9	B301SCS0312AA	05/30/2013 00:42	05290041.D	3.77	8.96	
CCV 280-176329/42		05/30/2013 00:58	05290042.D	3.77	8.96	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.01 minutes of surrogate RT
DCB RT Limit = ± 0.01 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Sample No.: CCVRT 280-176329/10 Date Analyzed: 05/29/2013 16:11

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm)

Lab File ID (Standard): 05290010.D Heated Purge: (Y/N) N

Calibration ID: 14223

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.85	9.42	
UPPER LIMIT				3.86	9.43	
LOWER LIMIT				3.84	9.41	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-176329/10		05/29/2013 16:11	05290010.D	3.85	9.42	
MB 280-174346/1-A		05/29/2013 17:17	05290014.D	3.85	9.42	
LCS 280-174346/2-A		05/29/2013 17:33	05290015.D	3.85	9.42	
CCV 280-176329/17		05/29/2013 18:06	05290017.D	3.85	9.42	
280-42047-1 DL	B301SCS0104AA DL	05/29/2013 18:39	05290019.D	3.85	9.42	
280-42047-2 DL	B301SCS0108AA DL	05/29/2013 18:56	05290020.D	3.85	9.42	
280-42047-3	B301SCS0112AA	05/29/2013 19:12	05290021.D	3.85	9.42	
280-42047-5 DL	B301SCS0208AA DL	05/29/2013 19:45	05290023.D	3.85	9.42	
280-42047-6	B301SCS0212AA	05/29/2013 20:02	05290024.D	3.85	9.42	
280-42047-7 DL	B301SCS0304AA DL	05/29/2013 20:18	05290025.D	3.84	9.42	
280-42047-8 DL	B301SCS0308AA DL	05/29/2013 20:35	05290026.D	3.85	9.42	
280-42047-9 DL	B301SCS0312AA DL	05/29/2013 20:51	05290027.D	3.85	9.42	
280-42047-10	B301SCS0112AC	05/29/2013 21:08	05290028.D	3.84	9.42	
CCV 280-176329/29		05/29/2013 21:24	05290029.D	3.85	9.42	
280-42047-1	B301SCS0104AA	05/29/2013 21:57	05290031.D	3.85	9.42	
280-42047-2	B301SCS0108AA	05/29/2013 22:14	05290032.D	3.85	9.42	
280-42047-4	B301SCS0204AA	05/29/2013 22:30	05290033.D	3.85	9.42	
280-42047-5	B301SCS0208AA	05/29/2013 22:47	05290034.D	3.85	9.42	
280-42047-7	B301SCS0304AA	05/29/2013 23:03	05290035.D	3.85	9.42	
280-42047-8	B301SCS0308AA	05/29/2013 23:19	05290036.D	3.85	9.42	
280-42047-8 MS	B301SCS0308AA MS	05/29/2013 23:36	05290037.D	3.85	9.42	
280-42047-8 MSD	B301SCS0308AA MSD	05/29/2013 23:52	05290038.D	3.85	9.42	
280-42047-9	B301SCS0312AA	05/30/2013 00:42	05290041.D	3.85	9.42	
CCV 280-176329/42		05/30/2013 00:58	05290042.D	3.85	9.42	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.01 minutes of surrogate RT
DCB RT Limit = ± 0.01 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Sample No.: CCVRT 280-176496/10 Date Analyzed: 05/30/2013 16:44

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm)

Lab File ID (Standard): 05300010.D Heated Purge: (Y/N) N

Calibration ID: 14222

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.77	8.96	
UPPER LIMIT				3.78	8.97	
LOWER LIMIT				3.76	8.95	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-176496/10		05/30/2013 16:44	05300010.D	3.77	8.96	
280-42047-4 DL	B301SCS0204AA DL	05/30/2013 17:33	05300013.D			
CCV 280-176496/22		05/30/2013 20:02	05300022.D	3.77	8.96	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.01 minutes of surrogate RT
DCB RT Limit = ± 0.01 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Sample No.: CCVRT 280-176496/10 Date Analyzed: 05/30/2013 16:44

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm)

Lab File ID (Standard): 05300010.D Heated Purge: (Y/N) N

Calibration ID: 14223

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.84	9.42	
UPPER LIMIT				3.85	9.43	
LOWER LIMIT				3.83	9.41	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-176496/10		05/30/2013 16:44	05300010.D	3.84	9.42	
280-42047-4 DL	B301SCS0204AA DL	05/30/2013 17:33	05300013.D			
CCV 280-176496/22		05/30/2013 20:02	05300022.D	3.84	9.42	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.01 minutes of surrogate RT
DCB RT Limit = ± 0.01 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0104AA Lab Sample ID: 280-42047-1

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 21:57 Date Analyzed (2): 05/29/2013 21:57

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Heptachlor	1		5.04	5.03	5.05	1.4		1.1
	2		5.14	5.13	5.15	1.4		
Heptachlor epoxide	1		5.87	5.86	5.88	3.5		91.9
	2		5.97	5.96	5.98	1.3		
gamma-Chlordane	1		6.00	5.99	6.01	21		8.1
	2		6.17	6.16	6.18	23		
alpha-Chlordane	1		6.14	6.13	6.15	19		1.3
	2		6.33	6.32	6.34	19		
4,4'-DDE	1		6.23	6.22	6.24	54		1.6
	2		6.50	6.49	6.51	53		
Dieldrin	1		6.53	6.52	6.54	0.66		0.5
	2		6.67	6.66	6.68	0.66		
4,4'-DDD	1		6.83	6.82	6.84	12		14.6
	2		7.08	7.07	7.09	13		
4,4'-DDT	1		7.10	7.09	7.11	130		10.3
	2		7.39	7.37	7.39	150		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0104AA DL Lab Sample ID: 280-42047-1 DL

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 18:39 Date Analyzed (2): 05/29/2013 18:39

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-Chlordane	1		6.00	5.99	6.01	26		6.8
	2		6.17	6.16	6.18	24		
alpha-Chlordane	1		6.14	6.13	6.15	20		16.0
	2		6.33	6.32	6.34	24		
4,4'-DDE	1		6.22	6.22	6.24	59		7.1
	2		6.50	6.49	6.51	64		
4,4'-DDD	1		6.83	6.82	6.84	14		26.4
	2		7.08	7.07	7.09	18		
4,4'-DDT	1		7.10	7.09	7.11	160		7.9
	2		7.38	7.37	7.39	180		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0108AA Lab Sample ID: 280-42047-2

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 22:14 Date Analyzed (2): 05/29/2013 22:14

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Heptachlor	1		5.04	5.03	5.05	0.55		23.9
	2		5.14	5.13	5.15	0.44		
gamma-Chlordane	1		6.00	5.99	6.01	5.8		20.6
	2		6.17	6.16	6.18	4.7		
alpha-Chlordane	1		6.14	6.13	6.15	4.5		5.5
	2		6.33	6.32	6.34	4.7		
4,4'-DDE	1		6.23	6.22	6.24	30		3.3
	2		6.50	6.49	6.51	29		
4,4'-DDD	1		6.83	6.82	6.84	4.6		12.0
	2		7.08	7.07	7.09	5.2		
4,4'-DDT	1		7.10	7.09	7.11	77		8.2
	2		7.39	7.37	7.39	84		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0108AA DL Lab Sample ID: 280-42047-2 DL

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 18:56 Date Analyzed (2): 05/29/2013 18:56

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-Chlordane	1		6.00	5.99	6.01	5.9		17.3
	2		6.17	6.16	6.18	7.0		
alpha-Chlordane	1		6.14	6.13	6.15	4.9		9.5
	2		6.33	6.32	6.34	5.4		
4,4'-DDE	1		6.23	6.22	6.24	37		1.9
	2		6.50	6.49	6.51	36		
4,4'-DDD	1		6.83	6.82	6.84	5.8		13.1
	2		7.08	7.07	7.09	6.6		
4,4'-DDT	1		7.10	7.09	7.11	92		10.1
	2		7.38	7.37	7.39	100		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0112AA Lab Sample ID: 280-42047-3

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 19:12 Date Analyzed (2): 05/29/2013 19:12

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		6.23	6.22	6.24	0.52		6.1
	2		6.50	6.49	6.51	0.49		
4,4'-DDT	1		7.10	7.09	7.11	1.2		0.8
	2		7.39	7.37	7.39	1.2		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0204AA Lab Sample ID: 280-42047-4

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 22:30 Date Analyzed (2): 05/29/2013 22:30

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Heptachlor	1		5.04	5.03	5.05	1.4		11.7
	2		5.14	5.13	5.15	1.2		
Heptachlor epoxide	1		5.87	5.86	5.88	29		106.6
	2		5.97	5.96	5.98	8.7		
gamma-Chlordane	1		6.00	5.99	6.01	75		1.2
	2		6.17	6.16	6.18	74		
alpha-Chlordane	1		6.15	6.13	6.15	72		3.5
	2		6.33	6.32	6.34	69		
4,4'-DDE	1		6.23	6.22	6.24	1000		10.2
	2		6.51	6.49	6.51	910		
Dieldrin	1		6.53	6.52	6.54	8.5		37.0
	2		6.67	6.66	6.68	5.9		
4,4'-DDD	1		6.83	6.82	6.84	180		3.3
	2		7.08	7.07	7.09	170		
4,4'-DDT	1		7.11	7.09	7.11	2100		2.9
	2		7.39	7.37	7.39	2000		
Endrin ketone	1		8.04	8.04	8.06	4.1		79.3
	2		8.26	8.25	8.27	9.4		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0204AA DL Lab Sample ID: 280-42047-4 DL

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/30/2013 17:33 Date Analyzed (2): 05/30/2013 17:33

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-Chlordane	1		6.00	5.99	6.01	81		12.8
	2		6.17	6.16	6.18	92		
alpha-Chlordane	1		6.14	6.13	6.15	77		10.4
	2		6.33	6.31	6.33	85		
4,4'-DDE	1		6.23	6.22	6.24	1500		1.6
	2		6.50	6.49	6.51	1500		
4,4'-DDD	1		6.83	6.82	6.84	270		22.8
	2		7.08	7.07	7.09	220		
4,4'-DDT	1		7.10	7.09	7.11	3000		6.6
	2		7.38	7.37	7.39	3200		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0208AA Lab Sample ID: 280-42047-5

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 22:47 Date Analyzed (2): 05/29/2013 22:47

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Heptachlor epoxide	1		5.87	5.86	5.88	2.6		132.4
	2		5.97	5.96	5.98	0.52		
gamma-Chlordane	1		6.00	5.99	6.01	5.8		16.4
	2		6.17	6.16	6.18	6.8		
alpha-Chlordane	1		6.14	6.13	6.15	6.7		12.8
	2		6.33	6.32	6.34	5.9		
4,4'-DDE	1		6.23	6.22	6.24	120		0.2
	2		6.50	6.49	6.51	120		
Dieldrin	1		6.53	6.52	6.54	0.43		51.6
	2		6.67	6.66	6.68	0.26		
4,4'-DDD	1		6.83	6.82	6.84	17		2.0
	2		7.08	7.07	7.09	17		
4,4'-DDT	1		7.10	7.09	7.11	200		4.0
	2		7.39	7.37	7.39	210		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0208AA DL Lab Sample ID: 280-42047-5 DL

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 19:45 Date Analyzed (2): 05/29/2013 19:45

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-Chlordane	1		6.00	5.99	6.01	5.0		12.5
	2		6.17	6.16	6.18	5.7		
alpha-Chlordane	1		6.14	6.13	6.15	6.0		12.0
	2		6.33	6.32	6.34	5.3		
4,4'-DDE	1		6.23	6.22	6.24	140		5.1
	2		6.50	6.49	6.51	140		
4,4'-DDD	1		6.83	6.82	6.84	19		3.8
	2		7.08	7.07	7.09	18		
4,4'-DDT	1		7.10	7.09	7.11	230		3.4
	2		7.39	7.37	7.39	240		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0212AA Lab Sample ID: 280-42047-6

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 20:02 Date Analyzed (2): 05/29/2013 20:02

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		6.23	6.22	6.24	1.1		20.4
	2		6.50	6.49	6.51	0.87		
4,4'-DDT	1		7.10	7.09	7.11	1.2		4.6
	2		7.39	7.37	7.39	1.2		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0304AA Lab Sample ID: 280-42047-7

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 23:03 Date Analyzed (2): 05/29/2013 23:03

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Heptachlor epoxide	1		5.87	5.86	5.88	2.0		64.0
	2		5.97	5.96	5.98	3.9		
gamma-Chlordane	1		6.00	5.99	6.01	3.8		131.5
	2		6.16	6.16	6.18	18		
alpha-Chlordane	1		6.14	6.13	6.15	4.2		9.4
	2		6.33	6.32	6.34	4.6		
4,4'-DDE	1		6.23	6.22	6.24	13		8.6
	2		6.50	6.49	6.51	12		
Dieldrin	1		6.53	6.52	6.54	2.6		92.4
	2		6.67	6.66	6.68	0.97		
4,4'-DDD	1		6.83	6.82	6.84	6.9		4.7
	2		7.08	7.07	7.09	7.2		
4,4'-DDT	1		7.10	7.09	7.11	67		11.2
	2		7.39	7.37	7.39	75		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0304AA DL Lab Sample ID: 280-42047-7 DL

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 20:18 Date Analyzed (2): 05/29/2013 20:18

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-Chlordane	1		6.00	5.99	6.01	3.2		86.0
	2		6.17	6.16	6.18	8.0		
4,4'-DDE	1		6.22	6.22	6.24	15		1.5
	2		6.50	6.49	6.51	15		
4,4'-DDT	1		7.10	7.09	7.11	82		11.2
	2		7.39	7.37	7.39	92		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0308AA Lab Sample ID: 280-42047-8

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 23:19 Date Analyzed (2): 05/29/2013 23:19

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Heptachlor epoxide	1		5.87	5.86	5.88	0.53		11.6
	2		5.97	5.96	5.98	0.47		
alpha-Chlordane	1		6.14	6.13	6.15	1.3		27.5
	2		6.33	6.32	6.34	1.7		
4,4'-DDE	1		6.22	6.22	6.24	3.9		0.7
	2		6.50	6.49	6.51	3.9		
Dieldrin	1		6.53	6.52	6.54	0.99		37.3
	2		6.67	6.66	6.68	0.68		
4,4'-DDD	1		6.83	6.82	6.84	2.9		1.2
	2		7.08	7.07	7.09	2.9		
4,4'-DDT	1		7.10	7.09	7.11	11		15.0
	2		7.39	7.37	7.39	13		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0308AA DL Lab Sample ID: 280-42047-8 DL

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 20:35 Date Analyzed (2): 05/29/2013 20:35

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		6.23	6.22	6.24	3.6		13.1
	2		6.50	6.49	6.51	4.1		
4,4'-DDT	1		7.10	7.09	7.11	13		14.5
	2		7.39	7.37	7.39	15		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0308AA MS Lab Sample ID: 280-42047-8 MS

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 23:36 Date Analyzed (2): 05/29/2013 23:36

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.35	4.34	4.36	20.4		18.5
	2		4.47	4.46	4.48	17.0		
gamma-BHC (Lindane)	1		4.64	4.63	4.65	19.3		10.1
	2		4.78	4.77	4.79	17.4		
beta-BHC	1		4.72	4.71	4.73	19.9		28.2
	2		4.86	4.85	4.87	15.0		
delta-BHC	1		4.87	4.85	4.87	19.1		15.2
	2		5.09	5.08	5.10	16.4		
Heptachlor	1		5.04	5.03	5.05	17.8		1.7
	2		5.14	5.13	5.15	17.5		
Aldrin	1		5.29	5.28	5.30	18.4		8.6
	2		5.41	5.40	5.42	16.9		
Heptachlor epoxide	1		5.87	5.86	5.88	19.5		12.0
	2		5.97	5.96	5.98	17.3		
gamma-Chlordane	1		6.00	5.99	6.01	18.5		22.4
	2		6.17	6.16	6.18	14.8		
alpha-Chlordane	1		6.14	6.13	6.15	20.7		15.6
	2		6.33	6.32	6.34	17.7		
4,4'-DDE	1		6.22	6.22	6.24	19.1		1.9
	2		6.50	6.49	6.51	19.5		
Endosulfan I	1		6.29	6.27	6.29	17.4		6.9
	2		6.38	6.37	6.39	16.2		
Dieldrin	1		6.53	6.52	6.54	18.9		1.5
	2		6.67	6.66	6.68	18.6		
Endrin	1		6.76	6.75	6.77	20.1		5.6
	2		6.97	6.96	6.98	19.0		
4,4'-DDD	1		6.83	6.82	6.84	20.5		8.3
	2		7.08	7.07	7.09	18.9		
Endosulfan II	1		6.98	6.97	6.99	16.9		8.1
	2		7.18	7.17	7.19	15.6		
4,4'-DDT	1		7.10	7.09	7.11	27.3		1.8
	2		7.38	7.37	7.39	27.8		
Endrin aldehyde	1		7.39	7.37	7.39	11.5		9.0
	2		7.50	7.50	7.52	10.5		
Methoxychlor	1		7.56	7.55	7.57	13.8		21.2
	2		8.03	8.02	8.04	17.0		
Endosulfan sulfate	1		7.79	7.78	7.80	16.4		7.1
	2		7.76	7.75	7.77	15.3		
Endrin ketone	1		8.05	8.04	8.06	15.0		3.0
	2		8.26	8.25	8.27	14.5		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0308AA MS Lab Sample ID: 280-42047-8 MS

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/30/2013 00:09 Date Analyzed (2): 05/30/2013 00:09

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Toxaphene	1	1	6.13	6.10	6.14	501	147	21.8
		2	6.62	6.61	6.65	45.5		
		3	7.30	7.29	7.33	39.4		
		4	7.71	7.69	7.73	38.2		
		5	8.16	8.16	8.20	111		
	2	1	6.64	6.63	6.67	186	118	
		2	6.91	6.90	6.94	44.9		
		3	7.26	7.25	7.29	66.8		
		4	7.52	7.50	7.54	166		
		5	8.34	8.33	8.37	127		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0308AA MSD Lab Sample ID: 280-42047-8 MSD

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 23:52 Date Analyzed (2): 05/29/2013 23:52

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.35	4.34	4.36	19.1		18.4
	2		4.47	4.46	4.48	15.9		
gamma-BHC (Lindane)	1		4.64	4.63	4.65	18.0		9.8
	2		4.78	4.77	4.79	16.3		
beta-BHC	1		4.72	4.71	4.73	19.7		37.2
	2		4.86	4.85	4.87	13.5		
delta-BHC	1		4.87	4.85	4.87	17.7		17.1
	2		5.09	5.08	5.10	14.9		
Heptachlor	1		5.04	5.03	5.05	16.5		1.6
	2		5.14	5.13	5.15	16.3		
Aldrin	1		5.29	5.28	5.30	17.1		8.8
	2		5.41	5.40	5.42	15.7		
Heptachlor epoxide	1		5.87	5.86	5.88	17.6		10.1
	2		5.97	5.96	5.98	15.9		
gamma-Chlordane	1		6.00	5.99	6.01	17.4		27.3
	2		6.17	6.16	6.18	22.9		
alpha-Chlordane	1		6.14	6.13	6.15	19.7		17.0
	2		6.33	6.32	6.34	16.6		
4,4'-DDE	1		6.23	6.22	6.24	18.2		1.0
	2		6.50	6.49	6.51	18.4		
Endosulfan I	1		6.29	6.27	6.29	15.7		5.5
	2		6.38	6.37	6.39	14.9		
Dieldrin	1		6.53	6.52	6.54	17.2		0.9
	2		6.67	6.66	6.68	17.0		
Endrin	1		6.76	6.75	6.77	18.1		3.5
	2		6.97	6.96	6.98	17.5		
4,4'-DDD	1		6.83	6.82	6.84	19.0		7.2
	2		7.08	7.07	7.09	17.6		
Endosulfan II	1		6.98	6.97	6.99	15.2		6.4
	2		7.18	7.17	7.19	14.3		
4,4'-DDT	1		7.10	7.09	7.11	26.5		5.0
	2		7.38	7.37	7.39	27.9		
Endrin aldehyde	1		7.39	7.37	7.39	10.5		5.3
	2		7.51	7.50	7.52	10.0		
Methoxychlor	1		7.56	7.55	7.57	12.2		17.7
	2		8.03	8.02	8.04	14.5		
Endosulfan sulfate	1		7.79	7.78	7.80	14.5		5.2
	2		7.76	7.75	7.77	13.8		
Endrin ketone	1		8.05	8.04	8.06	13.2		1.7
	2		8.26	8.25	8.27	12.9		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0308AA MSD Lab Sample ID: 280-42047-8 MSD

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/30/2013 00:25 Date Analyzed (2): 05/30/2013 00:25

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Toxaphene	1	1	6.13	6.10	6.14	741	199	55.0
		2	6.62	6.61	6.65	57.0		
		3	7.30	7.29	7.33	40.1		
		4	7.71	7.69	7.73	39.5		
		5	8.16	8.16	8.20	115		
	2	1	6.64	6.63	6.67	188	113	
		2	6.92	6.90	6.94	33.6		
		3	7.26	7.25	7.29	56.0		
		4	7.52	7.50	7.54	183		
		5	8.34	8.33	8.37	104		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0312AA Lab Sample ID: 280-42047-9

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/30/2013 00:42 Date Analyzed (2): 05/30/2013 00:42

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-Chlordane	1		6.14	6.13	6.15	0.51		50.5
	2		6.33	6.32	6.34	0.85		
4,4'-DDE	1		6.23	6.22	6.24	2.4		10.0
	2		6.50	6.49	6.51	2.7		
Dieldrin	1		6.53	6.52	6.54	0.42		55.4
	2		6.67	6.66	6.68	0.24		
4,4'-DDD	1		6.83	6.82	6.84	2.3		15.0
	2		7.08	7.07	7.09	2.7		
4,4'-DDT	1		7.10	7.09	7.11	13		11.1
	2		7.38	7.37	7.39	15		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0312AA DL Lab Sample ID: 280-42047-9 DL

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 20:51 Date Analyzed (2): 05/29/2013 20:51

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDT	1		7.10	7.09	7.11	19		1.6
	2		7.39	7.37	7.39	19		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0112AC Lab Sample ID: 280-42047-10

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 21:08 Date Analyzed (2): 05/29/2013 21:08

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		6.23	6.22	6.24	0.26		6.2
	2		6.50	6.49	6.51	0.28		
4,4'-DDT	1		7.10	7.09	7.11	1.1		0.2
	2		7.39	7.37	7.39	1.1		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-174025/2-A

Instrument ID (1): SGC_P1 Instrument ID (2): SGC_P1

Date Analyzed (1): 05/15/2013 16:51 Date Analyzed (2): 05/15/2013 16:51

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.52	4.51	4.53	0.547		11.7
	2		4.33	4.32	4.34	0.486		
gamma-BHC (Lindane)	1		4.81	4.80	4.82	0.558		14.3
	2		4.65	4.64	4.66	0.484		
beta-BHC	1		4.89	4.88	4.90	0.513		13.0
	2		4.72	4.71	4.73	0.450		
delta-BHC	1		5.04	5.03	5.05	0.553		11.4
	2		4.96	4.94	4.96	0.494		
Heptachlor	1		5.22	5.21	5.23	0.383		25.4
	2		5.00	4.99	5.01	0.296		
Aldrin	1		5.49	5.48	5.50	0.339		15.4
	2		5.25	5.24	5.26	0.290		
Heptachlor epoxide	1		6.11	6.10	6.12	0.570		15.6
	2		5.76	5.75	5.77	0.488		
gamma-Chlordane	1		6.24	6.23	6.25	0.511		17.8
	2		5.95	5.94	5.96	0.427		
alpha-Chlordane	1		6.38	6.37	6.39	0.533		17.6
	2		6.11	6.10	6.12	0.447		
4,4'-DDE	1		6.45	6.44	6.46	0.516		13.1
	2		6.29	6.28	6.30	0.453		
Endosulfan I	1		6.52	6.51	6.53	0.582		17.5
	2		6.16	6.15	6.17	0.489		
Dieldrin	1		6.76	6.75	6.77	0.599		17.2
	2		6.44	6.43	6.45	0.504		
Endrin	1		7.00	6.99	7.01	0.655		16.5
	2		6.75	6.74	6.76	0.555		
4,4'-DDD	1		7.05	7.04	7.06	0.615		23.6
	2		6.87	6.86	6.88	0.485		
Endosulfan II	1		7.22	7.21	7.23	0.605		21.9
	2		6.96	6.95	6.97	0.486		
4,4'-DDT	1		7.33	7.32	7.34	0.560		29.2
	2		7.18	7.17	7.19	0.418		
Endrin aldehyde	1		7.62	7.61	7.63	0.554		20.2
	2		7.29	7.28	7.30	0.452		
Methoxychlor	1		7.78	7.77	7.79	0.586		34.2
	2		7.83	7.82	7.84	0.415		
Endosulfan sulfate	1		8.03	8.02	8.04	0.590		22.4
	2		7.55	7.54	7.56	0.472		
Endrin ketone	1		8.29	8.28	8.30	0.568		27.5
	2		8.04	8.03	8.05	0.431		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 280-174025/3-A

Instrument ID (1): SGC_P1 Instrument ID (2): SGC_P1

Date Analyzed (1): 05/15/2013 17:09 Date Analyzed (2): 05/15/2013 17:09

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.52	4.51	4.53	0.554		11.4
	2		4.33	4.32	4.34	0.494		
gamma-BHC (Lindane)	1		4.81	4.80	4.82	0.567		13.8
	2		4.65	4.64	4.66	0.493		
beta-BHC	1		4.89	4.88	4.90	0.522		13.2
	2		4.72	4.71	4.73	0.457		
delta-BHC	1		5.04	5.03	5.05	0.564		11.6
	2		4.96	4.94	4.96	0.502		
Heptachlor	1		5.22	5.21	5.23	0.377		26.1
	2		5.00	4.99	5.01	0.289		
Aldrin	1		5.49	5.48	5.50	0.317		15.8
	2		5.25	5.24	5.26	0.270		
Heptachlor epoxide	1		6.11	6.10	6.12	0.579		15.8
	2		5.76	5.75	5.77	0.494		
gamma-Chlordane	1		6.24	6.23	6.25	0.511		18.1
	2		5.95	5.94	5.96	0.426		
alpha-Chlordane	1		6.38	6.37	6.39	0.535		17.3
	2		6.11	6.10	6.12	0.450		
4,4'-DDE	1		6.45	6.44	6.46	0.512		13.4
	2		6.29	6.28	6.30	0.448		
Endosulfan I	1		6.52	6.51	6.53	0.589		17.2
	2		6.16	6.15	6.17	0.495		
Dieldrin	1		6.76	6.75	6.77	0.605		17.2
	2		6.45	6.43	6.45	0.509		
Endrin	1		7.00	6.99	7.01	0.663		16.3
	2		6.75	6.74	6.76	0.564		
4,4'-DDD	1		7.05	7.04	7.06	0.619		23.4
	2		6.87	6.86	6.88	0.490		
Endosulfan II	1		7.22	7.21	7.23	0.605		20.9
	2		6.96	6.95	6.97	0.490		
4,4'-DDT	1		7.33	7.32	7.34	0.569		29.6
	2		7.18	7.17	7.19	0.422		
Endrin aldehyde	1		7.62	7.61	7.63	0.560		21.1
	2		7.29	7.28	7.30	0.453		
Methoxychlor	1		7.78	7.77	7.79	0.579		32.3
	2		7.83	7.82	7.84	0.417		
Endosulfan sulfate	1		8.03	8.02	8.04	0.593		22.2
	2		7.55	7.54	7.56	0.474		
Endrin ketone	1		8.29	8.28	8.30	0.572		27.8
	2		8.04	8.03	8.05	0.432		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-174025/6-A

Instrument ID (1): SGC_P1 Instrument ID (2): SGC_P1

Date Analyzed (1): 05/15/2013 16:34 Date Analyzed (2):

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
Toxaphene	1	1	5.68	5.65	5.69	0.867	1.79	
		2	6.35	6.33	6.37	0.783		
		3	6.86	6.84	6.88	1.56		
		4	7.54	7.51	7.55	2.70		
		5	7.94	7.92	7.96	3.02		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-174346/2-A

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 17:33 Date Analyzed (2): 05/29/2013 17:33

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.35	4.34	4.36	15.3		4.2
	2		4.47	4.46	4.48	14.7		
gamma-BHC (Lindane)	1		4.64	4.63	4.65	15.5		5.4
	2		4.78	4.77	4.79	14.7		
beta-BHC	1		4.72	4.71	4.73	14.0		3.9
	2		4.86	4.85	4.87	13.4		
delta-BHC	1		4.86	4.85	4.87	15.4		6.4
	2		5.09	5.08	5.10	14.4		
Heptachlor	1		5.04	5.03	5.05	14.4		2.6
	2		5.14	5.13	5.15	14.8		
Aldrin	1		5.29	5.28	5.30	15.7		4.8
	2		5.41	5.40	5.42	15.0		
Heptachlor epoxide	1		5.87	5.86	5.88	15.6		5.2
	2		5.97	5.96	5.98	14.8		
gamma-Chlordane	1		6.00	5.99	6.01	14.9		0.6
	2		6.17	6.16	6.18	14.8		
alpha-Chlordane	1		6.14	6.13	6.15	15.3		4.4
	2		6.33	6.32	6.34	14.6		
4,4'-DDE	1		6.23	6.22	6.24	15.2		7.0
	2		6.50	6.49	6.51	14.2		
Endosulfan I	1		6.28	6.27	6.29	15.4		4.5
	2		6.38	6.37	6.39	14.7		
Dieldrin	1		6.53	6.52	6.54	15.7		6.1
	2		6.67	6.66	6.68	14.8		
Endrin	1		6.76	6.75	6.77	17.7		1.4
	2		6.97	6.96	6.98	17.5		
4,4'-DDD	1		6.83	6.82	6.84	15.0		3.0
	2		7.08	7.07	7.09	14.5		
Endosulfan II	1		6.98	6.97	6.99	15.3		5.6
	2		7.18	7.17	7.19	14.4		
4,4'-DDT	1		7.10	7.09	7.11	15.1		0.7
	2		7.38	7.37	7.39	15.2		
Endrin aldehyde	1		7.39	7.37	7.39	11.6		5.7
	2		7.50	7.50	7.52	11.0		
Methoxychlor	1		7.56	7.55	7.57	14.4		6.3
	2		8.03	8.02	8.04	15.4		
Endosulfan sulfate	1		7.79	7.78	7.80	14.6		3.5
	2		7.76	7.75	7.77	14.1		
Endrin ketone	1		8.05	8.04	8.06	13.4		0.2
	2		8.26	8.25	8.27	13.4		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-174346/3-A

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 05/29/2013 17:50 Date Analyzed (2):

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
Toxaphene	1	1	6.12	6.10	6.14	58.0	48.4	
		2	6.62	6.61	6.65	40.3		
		3	7.30	7.29	7.33	74.1		
		4	7.71	7.69	7.73	48.6		
		5	8.18	8.16	8.20	20.9		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0104AA | Lab Sample ID: 280-42047-1

Matrix: Solid | Lab File ID: 05290031.D

Analysis Method: 8081B | Date Collected: 05/06/2013 09:48

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 30.9(g) | Date Analyzed: 05/29/2013 21:57

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 9.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
309-00-2	Aldrin	0.49	U Q	1.8	0.49	0.27
5103-71-9	alpha-Chlordane	19	Q	1.8	0.49	0.35
60-57-1	Dieldrin	0.66	J Q	1.8	0.49	0.23
959-98-8	Endosulfan I	0.49	U Q	1.8	0.49	0.19
33213-65-9	Endosulfan II	0.49	U Q	1.8	0.49	0.31
1031-07-8	Endosulfan sulfate	0.49	U Q	1.8	0.49	0.30
72-20-8	Endrin	0.49	U Q	1.8	0.49	0.33
7421-93-4	Endrin aldehyde	0.49	U Q	1.8	0.49	0.18
53494-70-5	Endrin ketone	0.74	U Q	1.8	0.74	0.52
5103-74-2	gamma-Chlordane	21	Q	1.8	0.74	0.29
76-44-8	Heptachlor	1.4	J Q	1.8	0.49	0.23
8001-35-2	Toxaphene	29	U Q	180	29	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	128		55-130
877-09-8	Tetrachloro-m-xylene	65	Q	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290031.D		
Lims ID:	280-42047-A-1-A	Client ID:	B301SCS0104AA
Inject. Date:	29-May-2013 21:57:36	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-1-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	25
Lims Batch ID:	176329	Lims Sample ID:	31
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:55	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:27:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.767	0.003	15814994	13.0			
2	2	3.847	3.845	0.002	16414767	11.9			
						RPD = 8.94			
10 alpha-BHC									
1	-65	4.339	4.346	-0.007	3903840	2.37			
2	2	4.468	4.470	-0.002	53544	-0.2847			
						RPD = 254.51			
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100	5.040	5.038	0.002	4912520	3.82			
2	2	5.137	5.136	0.001	6093331	3.78			
						RPD = 1.14			
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.867	5.867	0.000	10994101	9.84			
2	2	5.972	5.971	0.001	5850485	3.65			
						RPD = 91.86			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65	6.001	5.999	0.002	64549604	59.5			
2	2	6.173	6.171	0.002	88277697	64.5			
						RPD = 8.08			
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.144	6.143	0.001	56108600	52.0			
2	2	6.326	6.325	0.001	69963281	52.7			
						RPD = 1.29			
25 4,4'-DDE									
1	-65	6.226	6.225	0.001	181038432	150.4			E
2	2	6.503	6.502	0.001	204480715	147.9			E
						RPD = 1.64			
26 Endosulfan I									
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100	6.527	6.528	-0.001	2727071	1.85			
2	2	6.665	6.665	0.000	3305739	1.84			
						RPD = 0.45			
30 Endrin									1
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.828	6.827	0.001	28117767	32.5			
2	2	7.082	7.083	-0.001	41019121	37.6			
						RPD = 14.64			
34 Endosulfan II									
1	100	6.980	6.980	0.000	1528041	0.7302			
2	2	7.185	7.178	0.007	6757149	5.18			
						RPD = 150.59			
35 4,4'-DDT									
1	-65	7.103	7.101	0.002	319981120	375.4			E
2	2	7.386	7.384	0.002	394974924	416.1			E
						RPD = 10.27			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						
39 Endosulfan sulfate									
1	-65	7.801	7.792	0.009	396790	-0.4472			
2	2	7.769	7.763	0.006	1029479	0.1433			
						RPD = -388.63			
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.965	8.962	0.003	19996904	25.6			
2	2	9.422	9.417	0.005	30548200	42.5			
						RPD = 49.80			

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

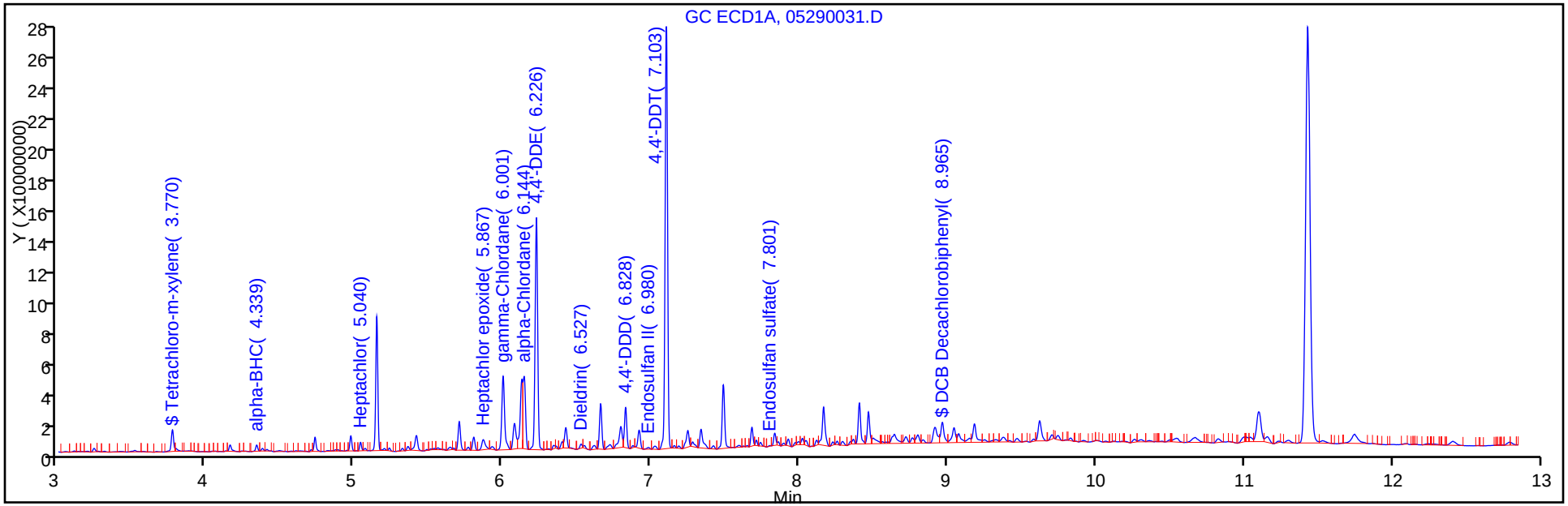
Report Date: 30-May-2013 07:32:57 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

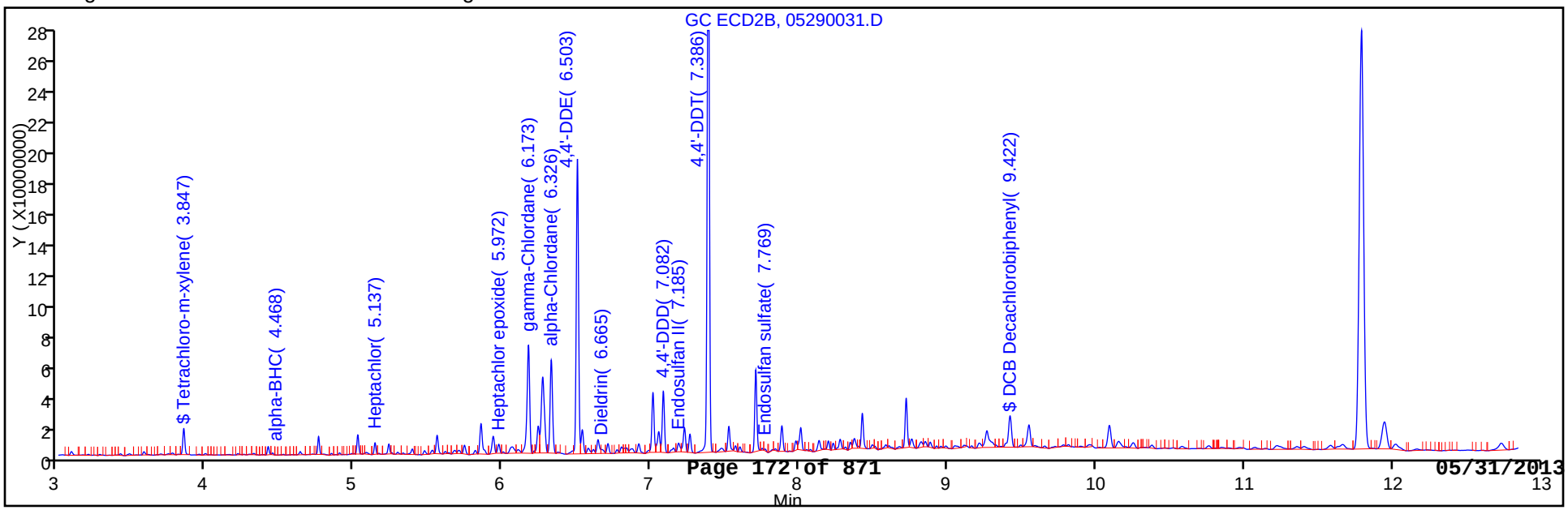
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290031.D

Injection Date:	29-May-2013 21:57:36	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0104AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	31
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0104AA Lab Sample ID: 280-42047-1

Matrix: Solid Lab File ID: 05290031.D

Analysis Method: 8081B Date Collected: 05/06/2013 09:48

Extraction Method: 3546 Date Extracted: 05/15/2013 11:08

Sample wt/vol: 30.9(g) Date Analyzed: 05/29/2013 21:57

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

% Moisture: 9.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
319-84-6	alpha-BHC	0.49	U Q	1.8	0.49	0.23
319-85-7	beta-BHC	0.74	U Q	1.8	0.74	0.71
319-86-8	delta-BHC	0.74	U Q	1.8	0.74	0.43
58-89-9	gamma-BHC (Lindane)	0.74	U Q	1.8	0.74	0.50
1024-57-3	Heptachlor epoxide	1.3	Q J	1.8	0.74	0.46

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	212	Q	55-130
877-09-8	Tetrachloro-m-xylene	59	Q	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290031.D		
Lims ID:	280-42047-A-1-A	Client ID:	B301SCS0104AA
Inject. Date:	29-May-2013 21:57:36	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-1-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	25
Lims Batch ID:	176329	Lims Sample ID:	31
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:55	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:27:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.767	0.003	15814994	13.0			
2	2	3.847	3.845	0.002	16414767	11.9			
						RPD = 8.94			
10 alpha-BHC									
1	-65	4.339	4.346	-0.007	3903840	2.37			
2	2	4.468	4.470	-0.002	53544	-0.2847			
						RPD = 254.51			
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100	5.040	5.038	0.002	4912520	3.82			
2	2	5.137	5.136	0.001	6093331	3.78			
						RPD = 1.14			
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.867	5.867	0.000	10994101	9.84			
2	2	5.972	5.971	0.001	5850485	3.65			
						RPD = 91.86			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65	6.001	5.999	0.002	64549604	59.5			
2	2	6.173	6.171	0.002	88277697	64.5			
						RPD = 8.08			
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.144	6.143	0.001	56108600	52.0			
2	2	6.326	6.325	0.001	69963281	52.7			
						RPD = 1.29			
25 4,4'-DDE									
1	-65	6.226	6.225	0.001	181038432	150.4			E
2	2	6.503	6.502	0.001	204480715	147.9			E
						RPD = 1.64			
26 Endosulfan I									
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100	6.527	6.528	-0.001	2727071	1.85			
2	2	6.665	6.665	0.000	3305739	1.84			
						RPD = 0.45			
30 Endrin									1
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.828	6.827	0.001	28117767	32.5			
2	2	7.082	7.083	-0.001	41019121	37.6			
						RPD = 14.64			
34 Endosulfan II									
1	100	6.980	6.980	0.000	1528041	0.7302			
2	2	7.185	7.178	0.007	6757149	5.18			
						RPD = 150.59			
35 4,4'-DDT									
1	-65	7.103	7.101	0.002	319981120	375.4			E
2	2	7.386	7.384	0.002	394974924	416.1			E
						RPD = 10.27			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						
39 Endosulfan sulfate									
1	-65	7.801	7.792	0.009	396790	-0.4472			
2	2	7.769	7.763	0.006	1029479	0.1433			
						RPD = -388.63			
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.965	8.962	0.003	19996904	25.6			
2	2	9.422	9.417	0.005	30548200	42.5			
						RPD = 49.80			

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

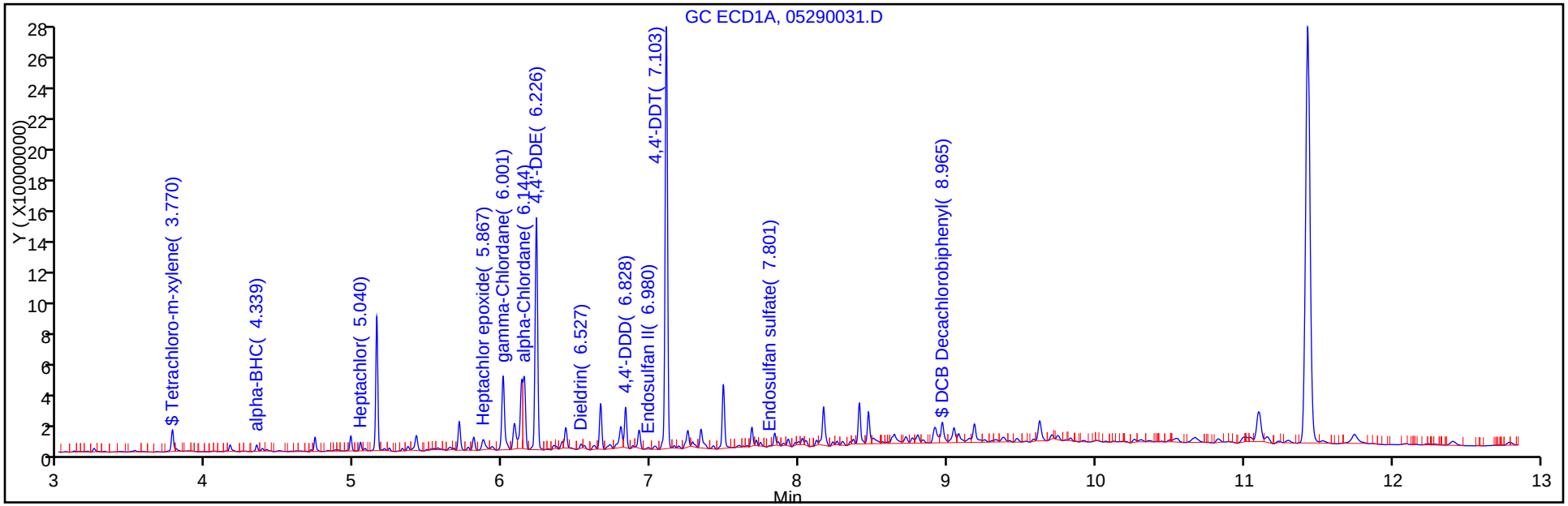
Report Date: 30-May-2013 07:32:58 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

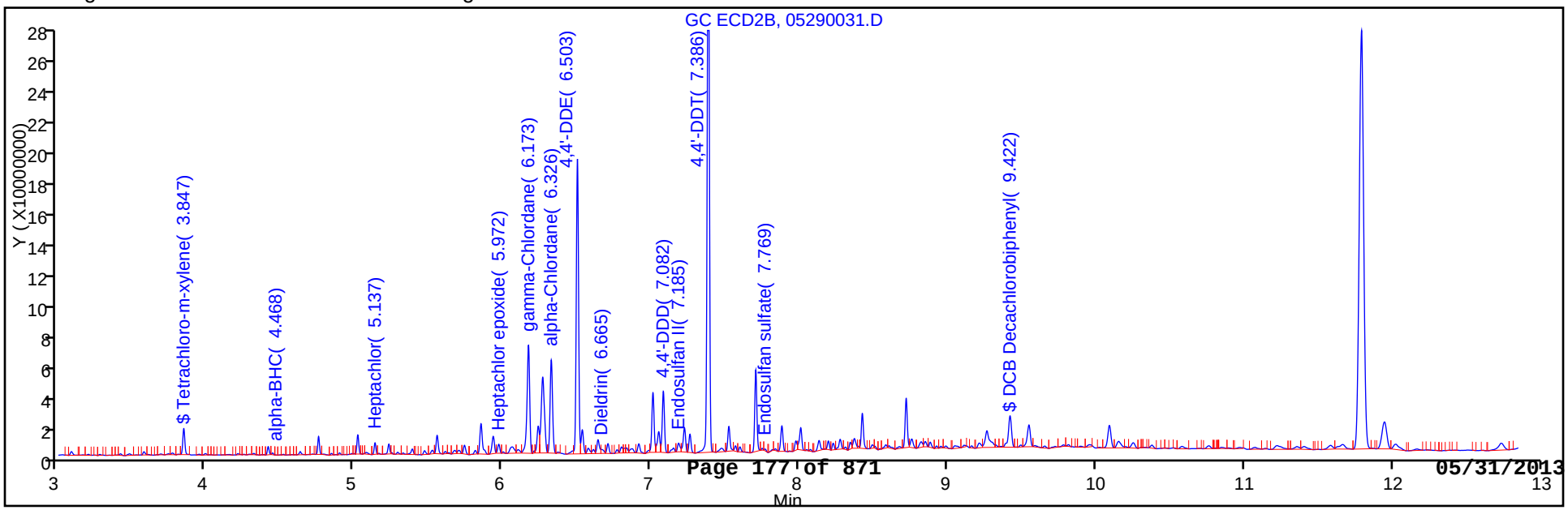
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290031.D

Injection Date:	29-May-2013 21:57:36	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0104AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	31
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0104AA DL | Lab Sample ID: 280-42047-1 DL

Matrix: Solid | Lab File ID: 05290019.D

Analysis Method: 8081B | Date Collected: 05/06/2013 09:48

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 30.9(g) | Date Analyzed: 05/29/2013 18:39

Con. Extract Vol.: 10000(uL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 9.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	14	J D Q	18	7.4	5.9
72-55-9	4,4'-DDE	59	D Q	18	4.9	2.6
50-29-3	4,4'-DDT	160	D Q	21	7.4	6.3
72-43-5	Methoxychlor	7.4	U Q	35	7.4	4.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	93	D	55-130
877-09-8	Tetrachloro-m-xylene	66	D Q	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290019.D		
Lims ID:	280-42047-A-1-A	Client ID:	B301SCS0104AA
Inject. Date:	29-May-2013 18:39:41	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	280-42047-A-1-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	176329	Lims Sample ID:	19
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:10:39

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.769	3.767	0.002	2239737	1.31			
2	2	3.845	3.845	0.000	2397376	1.20			
						RPD = 8.69			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									1
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100	5.039	5.038	0.001	726563	-0.0986			
2	2	5.136	5.136	0.000	1225452	0.2023			
						RPD = 580.18			
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.867	5.867	0.000	1681329	0.6564			
2	2	5.971	5.971	0.000	1086037	-0.0166			
						RPD = 210.38			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65	6.000	5.999	0.001	8440776	7.16			
2	2	6.173	6.171	0.002	9928548	6.69			
						RPD = 6.81			
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.142	6.143	-0.001	6857942	5.69			
2	2	6.326	6.325	0.001	9646677	6.68			
						RPD = 15.96			
25 4,4'-DDE									
1	-65	6.224	6.225	-0.001	20498844	16.6			
2	2	6.502	6.502	0.000	25142396	17.8			
						RPD = 7.09			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100		6.528						
2	2		6.665						
30 Endrin									1
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.827	6.827	0.000	3988518	3.90			
2	2	7.082	7.083	-0.001	6039104	5.09			
						RPD = 26.44			
34 Endosulfan II									
1	100	6.981	6.980	0.001	301256	-0.6300			
2	2	7.184	7.178	0.006	1311741	0.3013			
						RPD = -566.70			
35 4,4'-DDT									
1	-65	7.101	7.101	0.000	39003088	45.4			
2	2	7.384	7.384	0.000	46863090	49.1			
						RPD = 7.86			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.962	0.002	2223573	1.87			
2	2	9.420	9.417	0.003	3230506	3.37			
						RPD = 57.27			

QC Flag Legend

Processing Flags
1 - Missing Peaks

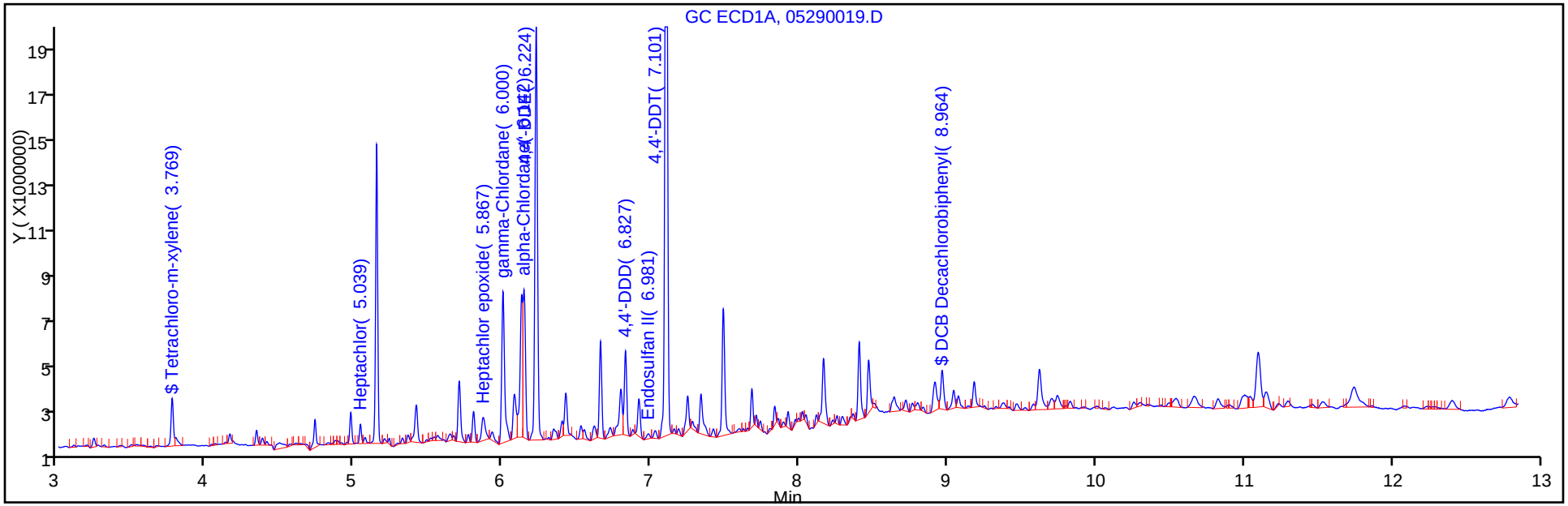
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TestAmerica Denver

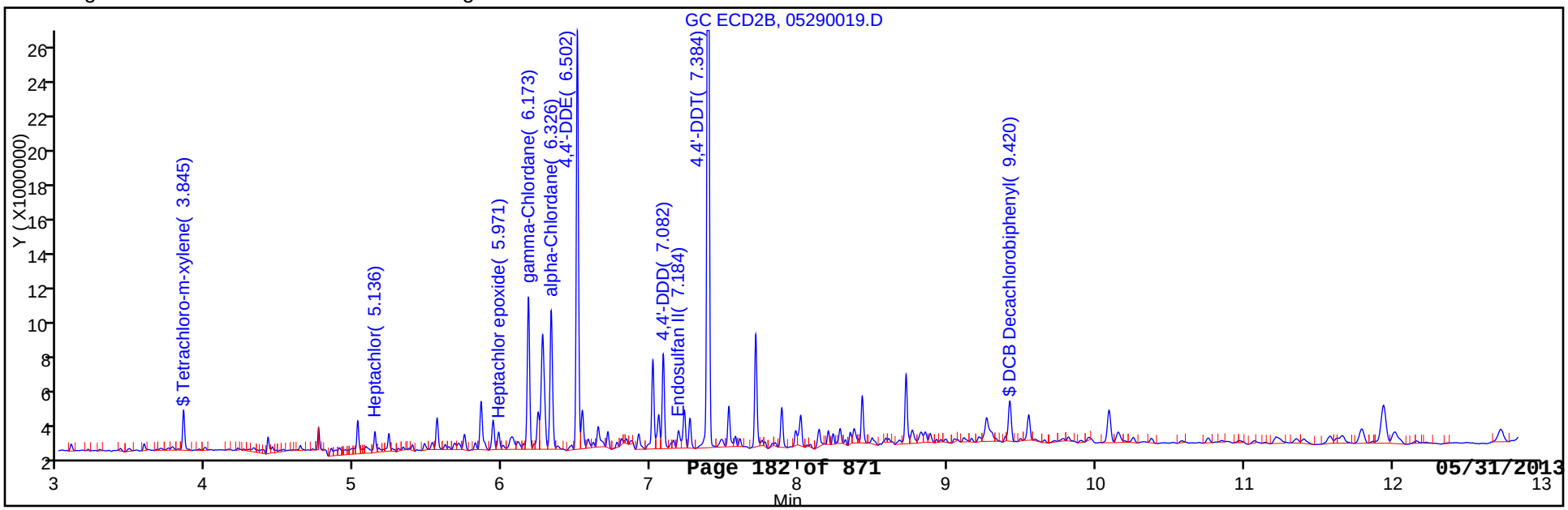
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290019.D

Injection Date:	29-May-2013 18:39:41	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0104AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	19
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0104AA DL Lab Sample ID: 280-42047-1 DL

Matrix: Solid Lab File ID: 05290019.D

Analysis Method: 8081B Date Collected: 05/06/2013 09:48

Extraction Method: 3546 Date Extracted: 05/15/2013 11:08

Sample wt/vol: 30.9(g) Date Analyzed: 05/29/2013 18:39

Con. Extract Vol.: 10000(uL) Dilution Factor: 10

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

% Moisture: 9.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	168	*D Q*	55-130
877-09-8	Tetrachloro-m-xylene	60	*D Q*	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290019.D		
Lims ID:	280-42047-A-1-A	Client ID:	B301SCS0104AA
Inject. Date:	29-May-2013 18:39:41	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	280-42047-A-1-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	13
Lims Batch ID:	176329	Lims Sample ID:	19
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:10:39

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.769	3.767	0.002	2239737	1.31			
2	2	3.845	3.845	0.000	2397376	1.20			
						RPD = 8.69			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									1
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100	5.039	5.038	0.001	726563	-0.0986			
2	2	5.136	5.136	0.000	1225452	0.2023			
						RPD = 580.18			
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.867	5.867	0.000	1681329	0.6564			
2	2	5.971	5.971	0.000	1086037	-0.0166			
						RPD = 210.38			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65	6.000	5.999	0.001	8440776	7.16			
2	2	6.173	6.171	0.002	9928548	6.69			
						RPD = 6.81			
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.142	6.143	-0.001	6857942	5.69			
2	2	6.326	6.325	0.001	9646677	6.68			
						RPD = 15.96			
25 4,4'-DDE									
1	-65	6.224	6.225	-0.001	20498844	16.6			
2	2	6.502	6.502	0.000	25142396	17.8			
						RPD = 7.09			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100		6.528						
2	2		6.665						
30 Endrin									1
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.827	6.827	0.000	3988518	3.90			
2	2	7.082	7.083	-0.001	6039104	5.09			
						RPD = 26.44			
34 Endosulfan II									
1	100	6.981	6.980	0.001	301256	-0.6300			
2	2	7.184	7.178	0.006	1311741	0.3013			
						RPD = -566.70			
35 4,4'-DDT									
1	-65	7.101	7.101	0.000	39003088	45.4			
2	2	7.384	7.384	0.000	46863090	49.1			
						RPD = 7.86			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.962	0.002	2223573	1.87			
2	2	9.420	9.417	0.003	3230506	3.37			
						RPD = 57.27			

QC Flag Legend

Processing Flags
1 - Missing Peaks

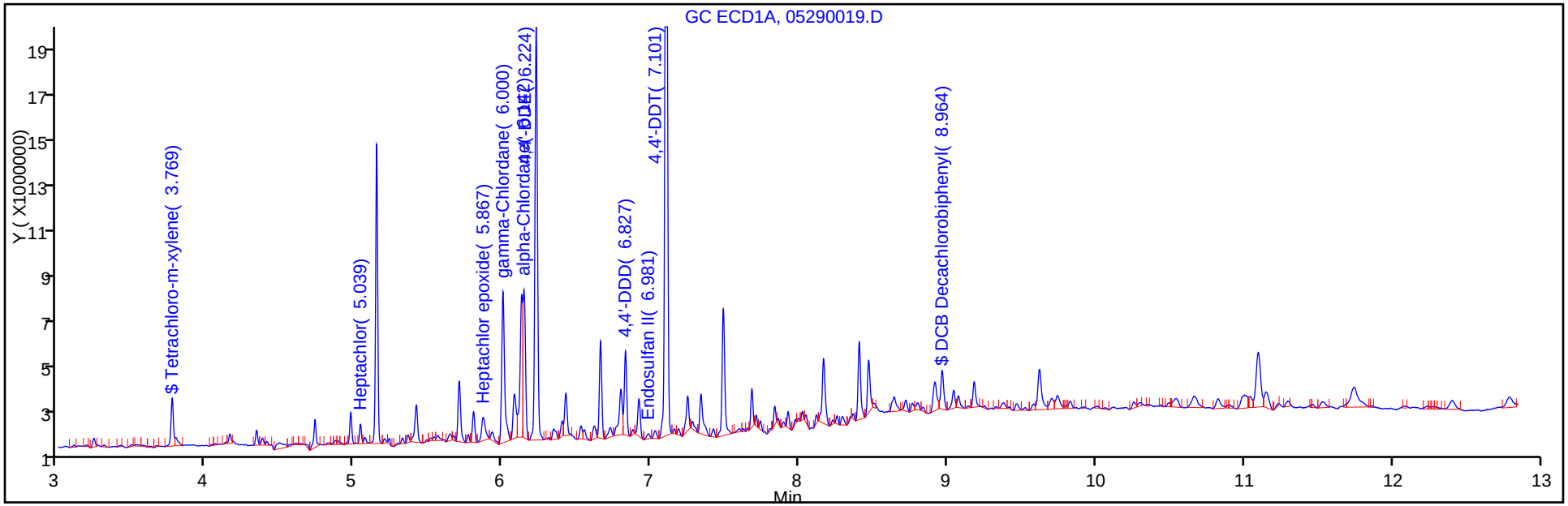
Report Date: 30-May-2013 07:32:44 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

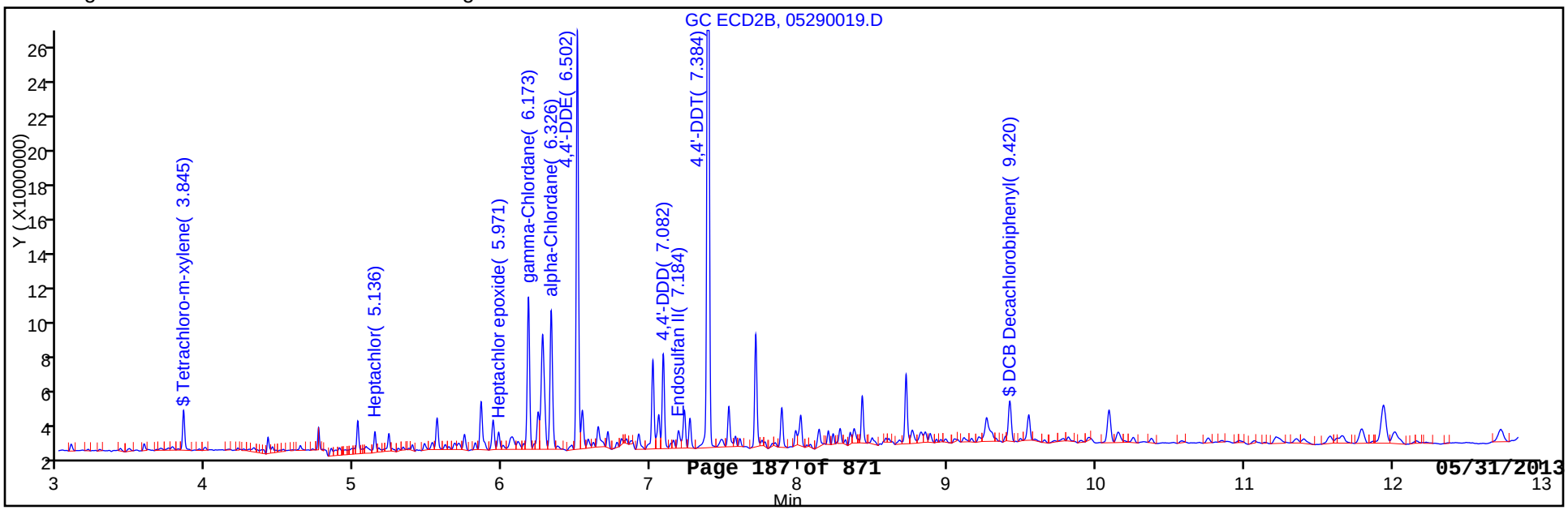
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290019.D

Injection Date:	29-May-2013 18:39:41	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0104AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	19
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0108AA | Lab Sample ID: 280-42047-2

Matrix: Solid | Lab File ID: 05290032.D

Analysis Method: 8081B | Date Collected: 05/06/2013 09:55

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.3(g) | Date Analyzed: 05/29/2013 22:14

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 6.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-55-9	4,4'-DDE	30		1.7	0.47	0.24
309-00-2	Aldrin	0.47	U	1.7	0.47	0.26
319-84-6	alpha-BHC	0.47	U	1.7	0.47	0.22
5103-71-9	alpha-Chlordane	4.5		1.7	0.47	0.33
60-57-1	Dieldrin	0.47	U	1.7	0.47	0.22
959-98-8	Endosulfan I	0.47	U	1.7	0.47	0.18
33213-65-9	Endosulfan II	0.47	U	1.7	0.47	0.30
1031-07-8	Endosulfan sulfate	0.47	U	1.7	0.47	0.28
72-20-8	Endrin	0.47	U	1.7	0.47	0.31
7421-93-4	Endrin aldehyde	0.47	U	1.7	0.47	0.18
53494-70-5	Endrin ketone	0.71	U	1.7	0.71	0.50
5103-74-2	gamma-Chlordane	5.8		1.7	0.71	0.27
76-44-8	Heptachlor	0.55	J	1.7	0.47	0.22
8001-35-2	Toxaphene	28	U Q	170	28	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	85		55-130
877-09-8	Tetrachloro-m-xylene	73		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290032.D		
Lims ID:	280-42047-A-2-A	Client ID:	B301SCS0108AA
Inject. Date:	29-May-2013 22:14:03	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-2-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	26
Lims Batch ID:	176329	Lims Sample ID:	32
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:55	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:27:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.767	0.003	17801679	14.7			
2	2	3.847	3.845	0.002	20309887	14.8			
						RPD = 0.98			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65	4.629	4.637	-0.008	1580839	0.6689			
2	2	4.789	4.784	0.005	494440	-0.1100			
						RPD = 278.68			
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100	5.039	5.038	0.001	2557431	1.62			
2	2	5.138	5.136	0.002	2680322	1.27			
						RPD = 23.91			
16 Aldrin									1
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.867	5.867	0.000	3762093	2.71			
2	2	5.972	5.971	0.001	1390655	0.2175			
						RPD = 170.26			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									M
1	-65	6.000	5.999	0.001	19012513	17.0			
2	2	6.169	6.171	-0.002	19624063	13.8			M
						RPD = 20.59			
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.142	6.143	-0.001	14653982	13.0			
2	2	6.326	6.325	0.001	18938692	13.8			
						RPD = 5.54			
25 4,4'-DDE									
1	-65	6.226	6.225	0.001	104681337	86.8			
2	2	6.503	6.502	0.001	116278674	83.9			
						RPD = 3.29			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100		6.528						
2	2		6.665						
30 Endrin									
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.827	6.827	0.000	12072639	13.5			
2	2	7.083	7.083	0.000	16916729	15.2			
						RPD = 12.04			
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	192367289	225.5			E
2	2	7.385	7.384	0.001	232541823	244.8			E
						RPD = 8.21			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65	8.043	8.052	-0.009	397093	-0.4794			
2	2	8.253	8.256	-0.003	1118697	0.2509			
						RPD = -639.11			
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.962	0.002	13516249	16.9			
2	2	9.420	9.417	0.003	23534865	32.5			
						RPD = 62.93			

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

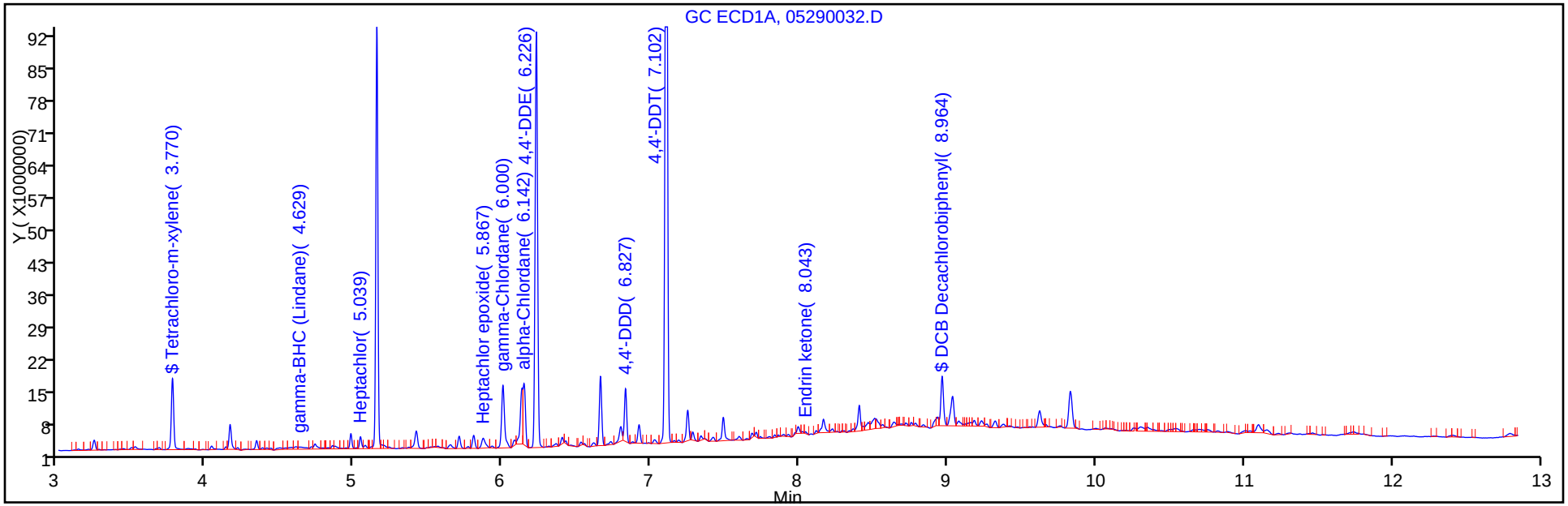
Review Flags
M - Manually Integrated

Report Date: 30-May-2013 07:32:59 Chrom Revision: 2.0 25-Apr-2013 12:05:30

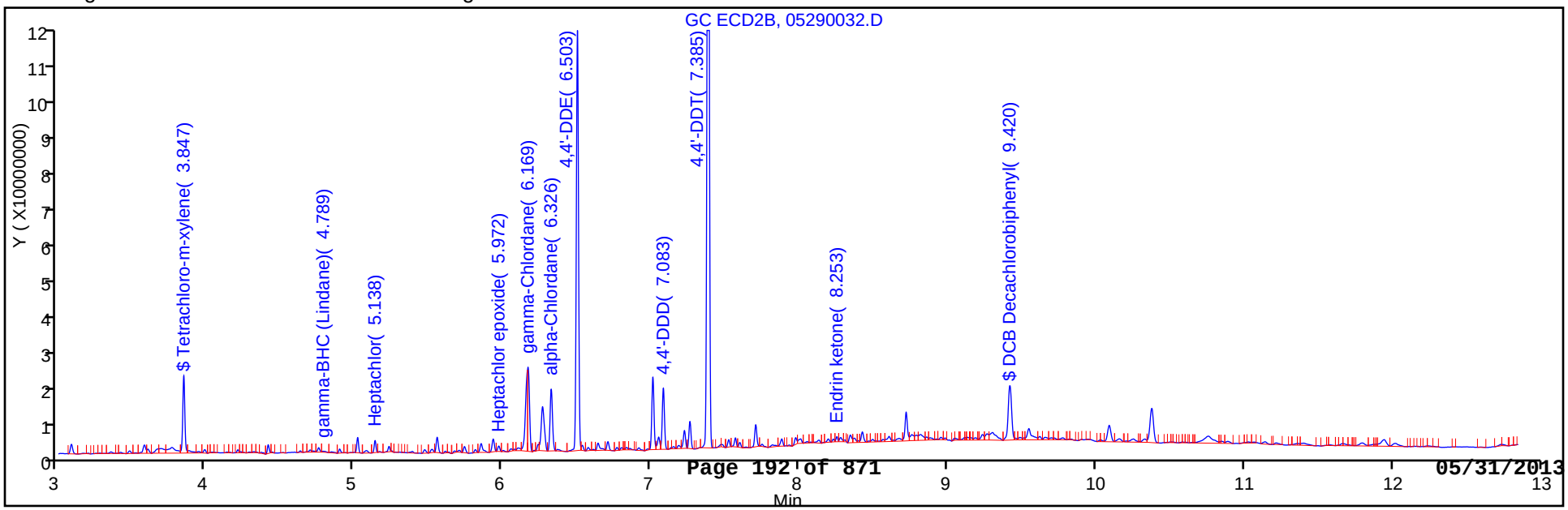
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290032.D		
Injection Date:	29-May-2013 22:14:03	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0108AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	32
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0108AA | Lab Sample ID: 280-42047-2

Matrix: Solid | Lab File ID: 05290032.D

Analysis Method: 8081B | Date Collected: 05/06/2013 09:55

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.3(g) | Date Analyzed: 05/29/2013 22:14

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 6.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
319-85-7	beta-BHC	0.71	U Q	1.7	0.71	0.68
319-86-8	delta-BHC	0.71	U Q	1.7	0.71	0.41
58-89-9	gamma-BHC (Lindane)	0.71	U Q	1.7	0.71	0.48
1024-57-3	Heptachlor epoxide	0.71	U Q	1.7	0.71	0.44

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	162	Q	55-130
877-09-8	Tetrachloro-m-xylene	74		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290032.D		
Lims ID:	280-42047-A-2-A	Client ID:	B301SCS0108AA
Inject. Date:	29-May-2013 22:14:03	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-2-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	26
Lims Batch ID:	176329	Lims Sample ID:	32
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:55	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:27:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.767	0.003	17801679	14.7			
2	2	3.847	3.845	0.002	20309887	14.8			
						RPD = 0.98			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65	4.629	4.637	-0.008	1580839	0.6689			
2	2	4.789	4.784	0.005	494440	-0.1100			
						RPD = 278.68			
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100	5.039	5.038	0.001	2557431	1.62			
2	2	5.138	5.136	0.002	2680322	1.27			
						RPD = 23.91			
16 Aldrin									1
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.867	5.867	0.000	3762093	2.71			
2	2	5.972	5.971	0.001	1390655	0.2175			
						RPD = 170.26			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									M
1	-65	6.000	5.999	0.001	19012513	17.0			
2	2	6.169	6.171	-0.002	19624063	13.8			M
						RPD = 20.59			
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.142	6.143	-0.001	14653982	13.0			
2	2	6.326	6.325	0.001	18938692	13.8			
						RPD = 5.54			
25 4,4'-DDE									
1	-65	6.226	6.225	0.001	104681337	86.8			
2	2	6.503	6.502	0.001	116278674	83.9			
						RPD = 3.29			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100		6.528						
2	2		6.665						
30 Endrin									
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.827	6.827	0.000	12072639	13.5			
2	2	7.083	7.083	0.000	16916729	15.2			
						RPD = 12.04			
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	192367289	225.5			E
2	2	7.385	7.384	0.001	232541823	244.8			E
						RPD = 8.21			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65	8.043	8.052	-0.009	397093	-0.4794			
2	2	8.253	8.256	-0.003	1118697	0.2509			
						RPD = -639.11			
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.962	0.002	13516249	16.9			
2	2	9.420	9.417	0.003	23534865	32.5			
						RPD = 62.93			

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

Review Flags
M - Manually Integrated

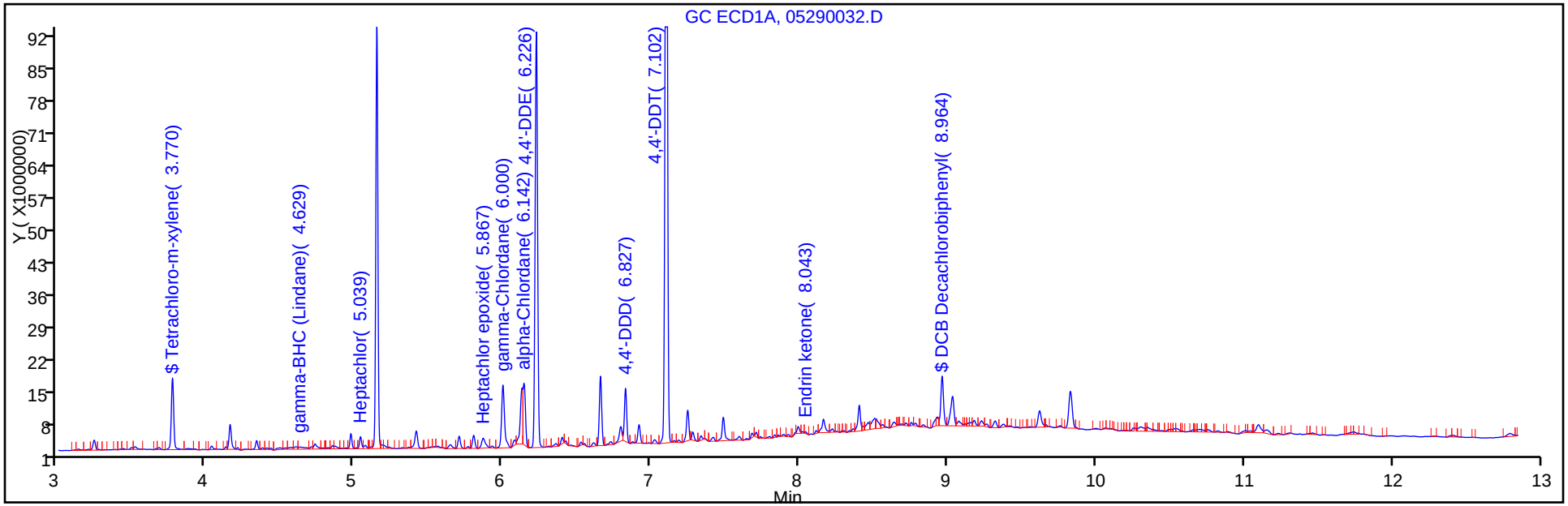
Report Date: 30-May-2013 07:32:59 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

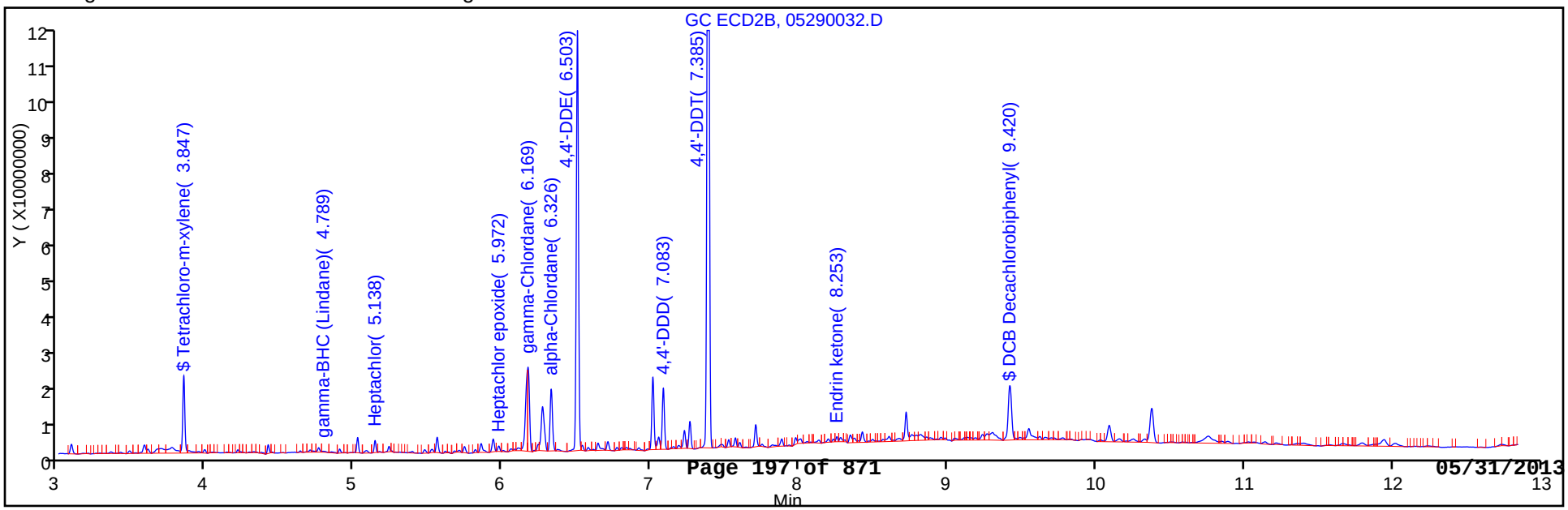
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290032.D

Injection Date:	29-May-2013 22:14:03	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0108AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	32
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

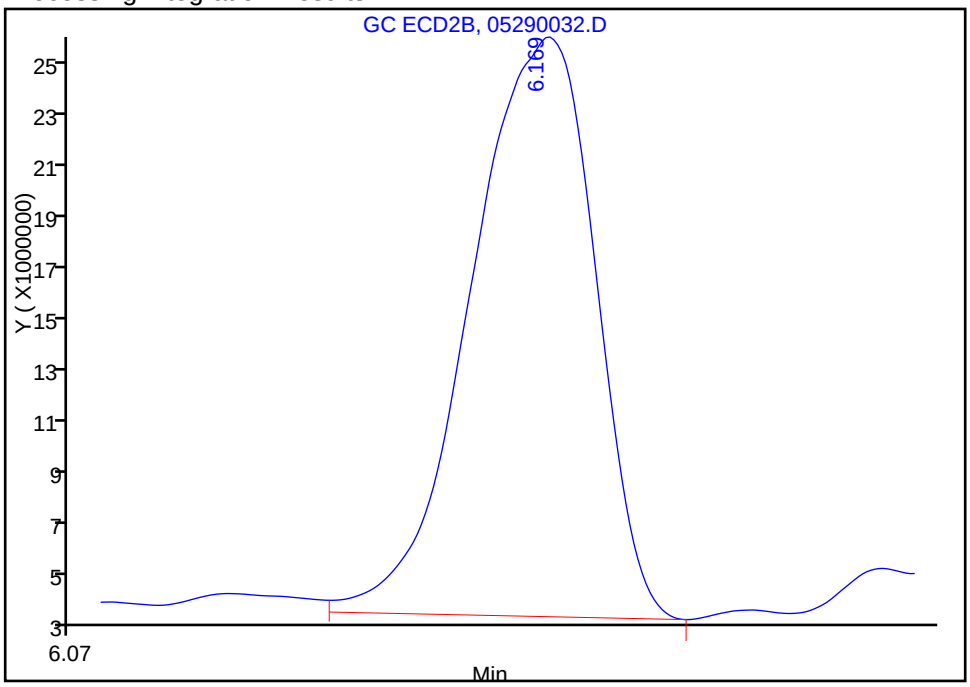
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290032.D		
Injection Date:	29-May-2013 22:14:03	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0108AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	32
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

23 gamma-Chlordane, Signal: 2, Type: quant, RT: 6.17, Det: GC ECD2B

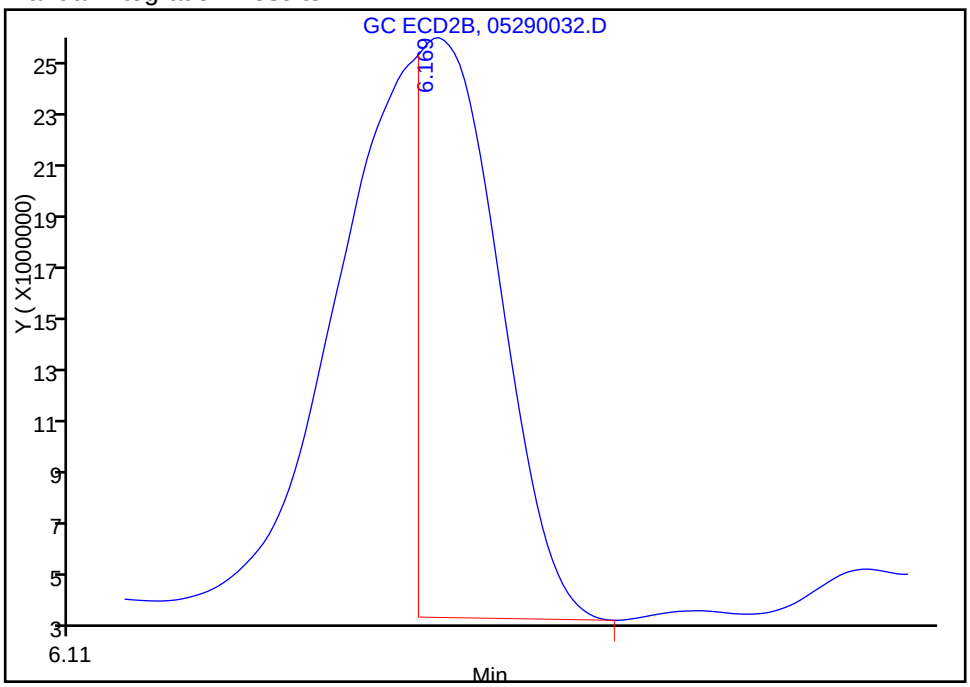
Processing Integration Results

RT: 6.17
Response: 40099834
Amount: 28.954319



Manual Integration Results

RT: 6.17
Response: 19624063
Amount: 13.844001



Reviewer: wellsd, 30-May-2013 07:27:32
Audit Action: Split an Integrated Peak
Audit Reason: Split Peak

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0108AA DL | Lab Sample ID: 280-42047-2 DL

Matrix: Solid | Lab File ID: 05290020.D

Analysis Method: 8081B | Date Collected: 05/06/2013 09:55

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.3(g) | Date Analyzed: 05/29/2013 18:56

Con. Extract Vol.: 10000(uL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 6.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	5.8	J D Q	17	7.1	5.6
50-29-3	4,4'-DDT	92	D Q	21	7.1	6.1
72-43-5	Methoxychlor	7.1	U Q	34	7.1	4.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	67	D	55-130
877-09-8	Tetrachloro-m-xylene	67	D Q	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290020.D		
Lims ID:	280-42047-A-2-A	Client ID:	B301SCS0108AA
Inject. Date:	29-May-2013 18:56:10	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	280-42047-A-2-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	176329	Lims Sample ID:	20
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:10:45

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.769	3.767	0.002	2270862	1.34			
2	2	3.845	3.845	0.000	2476686	1.26			
						RPD = 5.82			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									1
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									1
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65		5.867						
2	2		5.971						
23 gamma-Chlordane									
1	-65	6.000	5.999	0.001	2601400	1.71			
2	2	6.172	6.171	0.001	3625990	2.04			
						RPD = 17.29			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.143	6.143	0.000	2342009	1.44			
2	2	6.326	6.325	0.001	2972213	1.58			
						RPD = 9.46			
25 4,4'-DDE									
1	-65	6.226	6.225	0.001	13489052	10.8			
2	2	6.502	6.502	0.000	15133556	10.6			
						RPD = 1.87			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100		6.528						
2	2		6.665						
30 Endrin									
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.828	6.827	0.001	2123574	1.69			
2	2	7.082	7.083	-0.001	2639707	1.93			
						RPD = 13.08			
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	23268239	26.9			
2	2	7.384	7.384	0.000	28527935	29.8			
						RPD = 10.12			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.963	8.962	0.001	1820521	1.33			
2	2	9.419	9.417	0.002	3031720	3.08			
						RPD = 79.37			

QC Flag Legend

Processing Flags
1 - Missing Peaks

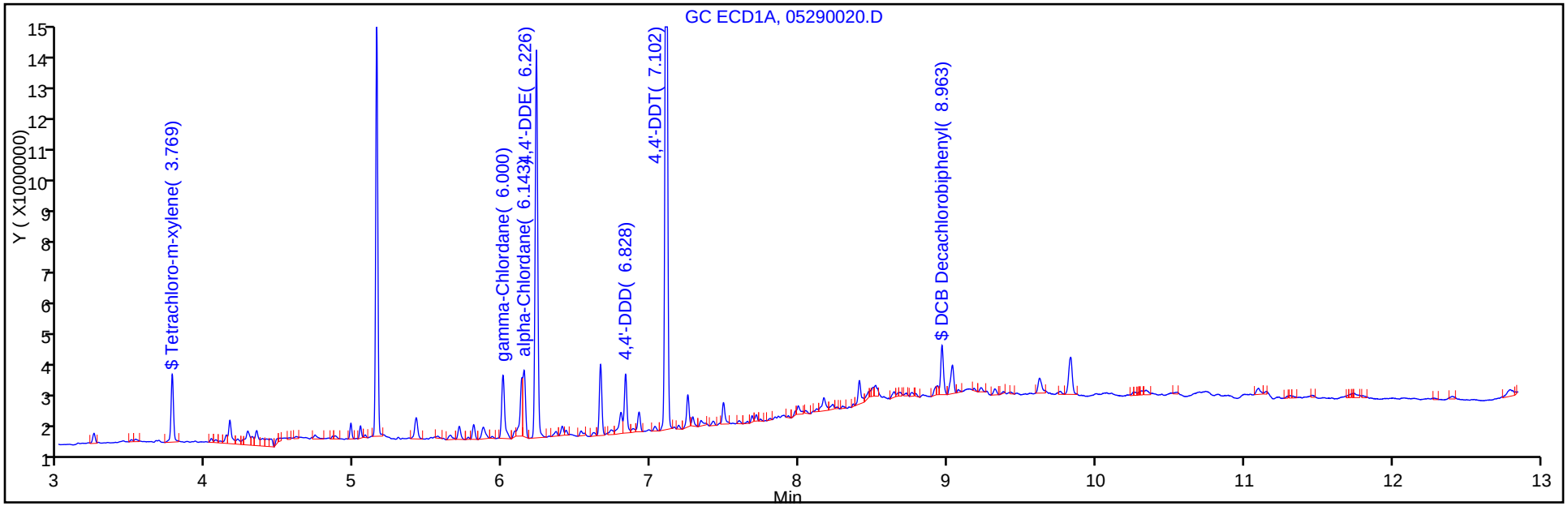
Report Date: 30-May-2013 07:32:45 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

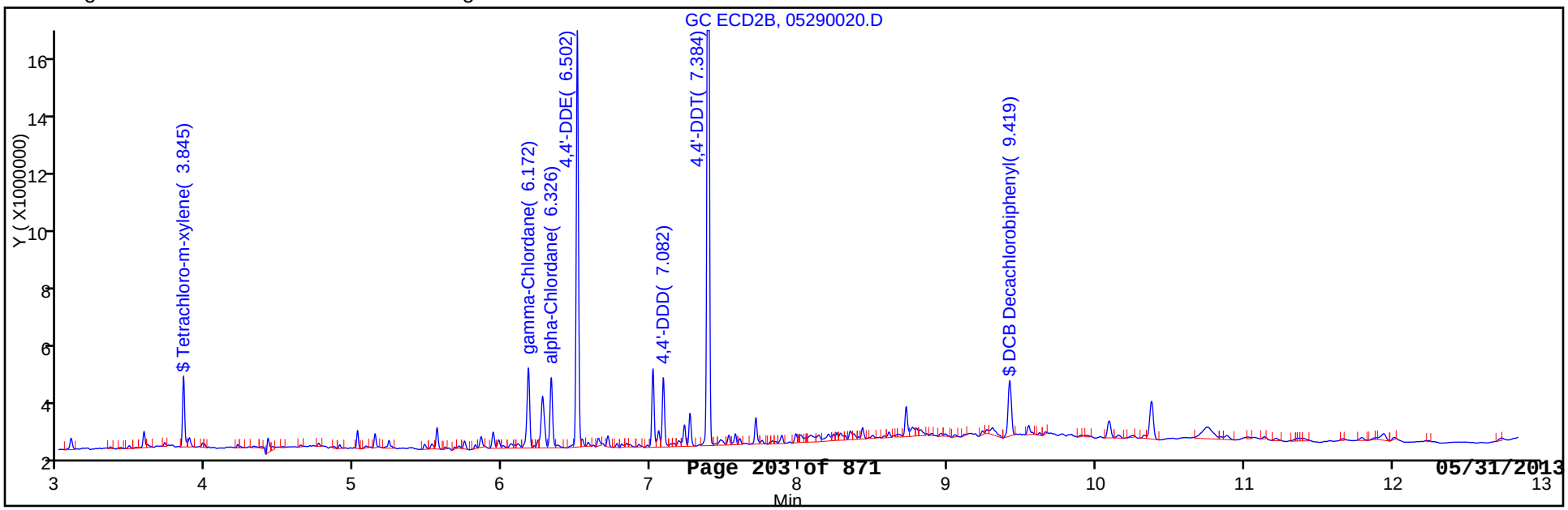
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290020.D

Injection Date:	29-May-2013 18:56:10	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0108AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	20
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0108AA DL Lab Sample ID: 280-42047-2 DL

Matrix: Solid Lab File ID: 05290020.D

Analysis Method: 8081B Date Collected: 05/06/2013 09:55

Extraction Method: 3546 Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.3(g) Date Analyzed: 05/29/2013 18:56

Con. Extract Vol.: 10000(uL) Dilution Factor: 10

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

% Moisture: 6.9 GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	154	*D Q*	55-130
877-09-8	Tetrachloro-m-xylene	63	*D Q*	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290020.D		
Lims ID:	280-42047-A-2-A	Client ID:	B301SCS0108AA
Inject. Date:	29-May-2013 18:56:10	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	280-42047-A-2-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	14
Lims Batch ID:	176329	Lims Sample ID:	20
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:10:45

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.769	3.767	0.002	2270862	1.34			
2	2	3.845	3.845	0.000	2476686	1.26			
						RPD = 5.82			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									1
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									1
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65		5.867						
2	2		5.971						
23 gamma-Chlordane									
1	-65	6.000	5.999	0.001	2601400	1.71			
2	2	6.172	6.171	0.001	3625990	2.04			
						RPD = 17.29			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.143	6.143	0.000	2342009	1.44			
2	2	6.326	6.325	0.001	2972213	1.58			
						RPD = 9.46			
25 4,4'-DDE									
1	-65	6.226	6.225	0.001	13489052	10.8			
2	2	6.502	6.502	0.000	15133556	10.6			
						RPD = 1.87			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100		6.528						
2	2		6.665						
30 Endrin									
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.828	6.827	0.001	2123574	1.69			
2	2	7.082	7.083	-0.001	2639707	1.93			
						RPD = 13.08			
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	23268239	26.9			
2	2	7.384	7.384	0.000	28527935	29.8			
						RPD = 10.12			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.963	8.962	0.001	1820521	1.33			
2	2	9.419	9.417	0.002	3031720	3.08			
						RPD = 79.37			

QC Flag Legend

Processing Flags
1 - Missing Peaks

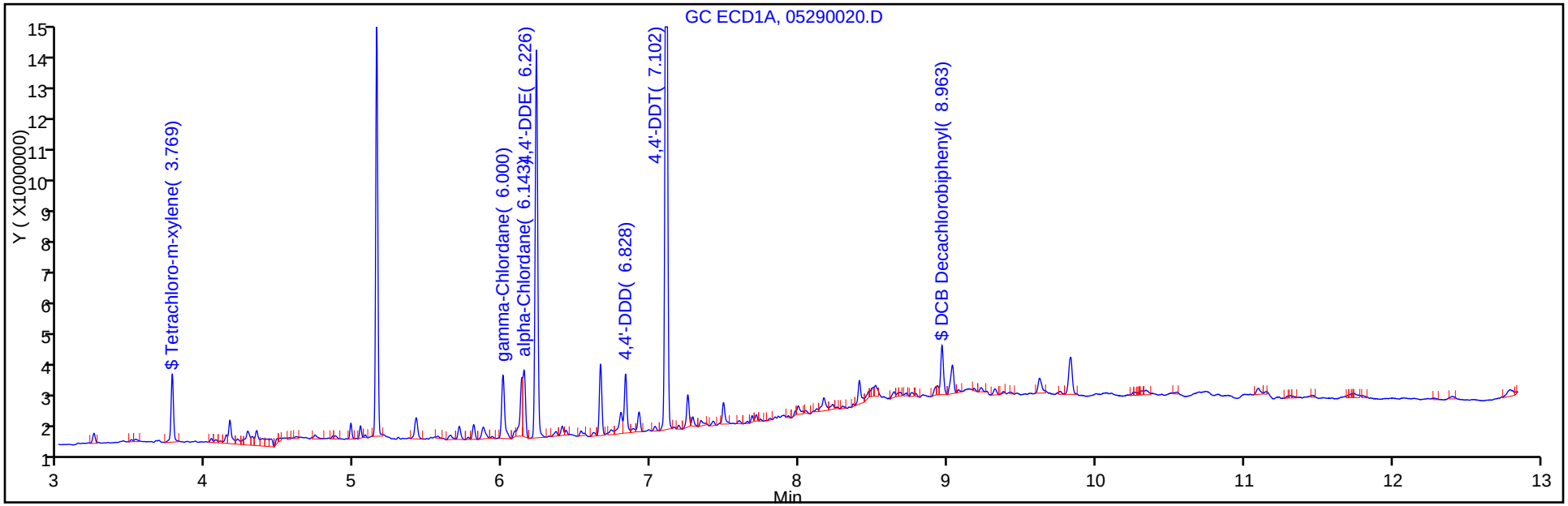
Report Date: 30-May-2013 07:32:45 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

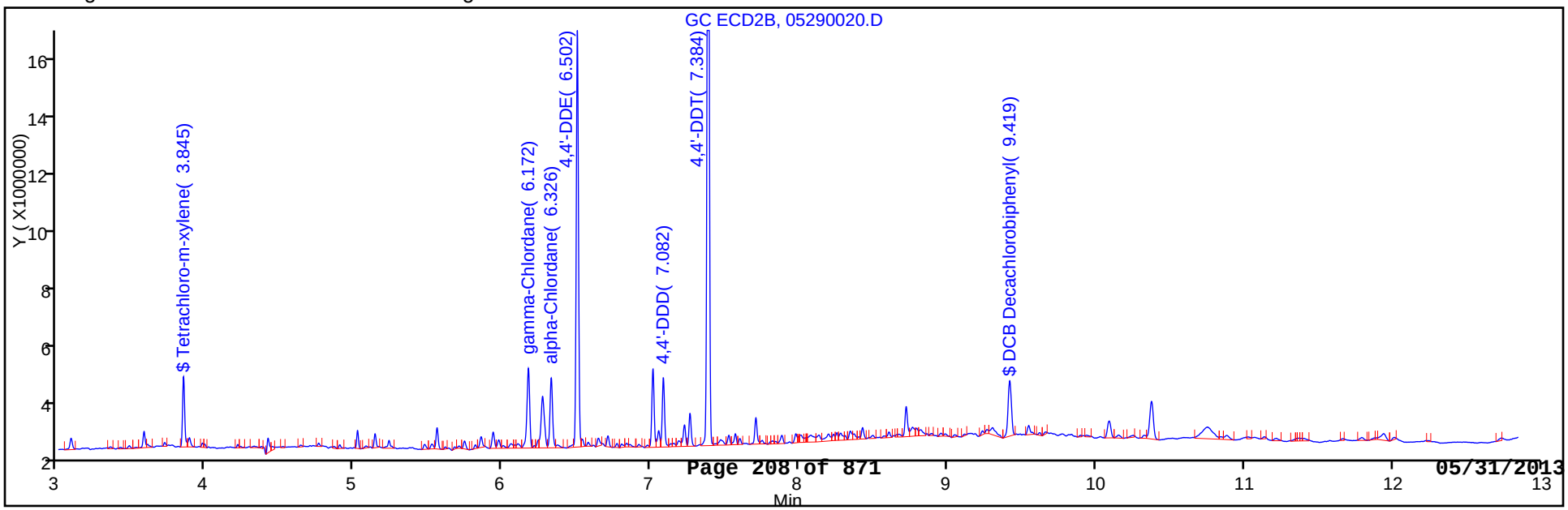
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290020.D

Injection Date:	29-May-2013 18:56:10	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0108AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	20
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0112AA | Lab Sample ID: 280-42047-3

Matrix: Solid | Lab File ID: 05290021.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:02

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.3(g) | Date Analyzed: 05/29/2013 19:12

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 9.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.73	U	1.8	0.73	0.58
72-55-9	4,4'-DDE	0.52	J	1.8	0.49	0.25
50-29-3	4,4'-DDT	1.2	J	2.1	0.73	0.62
309-00-2	Aldrin	0.49	U	1.8	0.49	0.27
319-84-6	alpha-BHC	0.49	U	1.8	0.49	0.23
5103-71-9	alpha-Chlordane	0.49	U	1.8	0.49	0.34
319-85-7	beta-BHC	0.73	U	1.8	0.73	0.70
319-86-8	delta-BHC	0.73	U	1.8	0.73	0.42
60-57-1	Dieldrin	0.49	U	1.8	0.49	0.22
959-98-8	Endosulfan I	0.49	U	1.8	0.49	0.19
33213-65-9	Endosulfan II	0.49	U	1.8	0.49	0.30
1031-07-8	Endosulfan sulfate	0.49	U	1.8	0.49	0.29
72-20-8	Endrin	0.49	U	1.8	0.49	0.32
7421-93-4	Endrin aldehyde	0.49	U	1.8	0.49	0.18
53494-70-5	Endrin ketone	0.73	U	1.8	0.73	0.52
58-89-9	gamma-BHC (Lindane)	0.73	U	1.8	0.73	0.49
5103-74-2	gamma-Chlordane	0.73	U	1.8	0.73	0.28
76-44-8	Heptachlor	0.49	U	1.8	0.49	0.23
1024-57-3	Heptachlor epoxide	0.73	U	1.8	0.73	0.45
72-43-5	Methoxychlor	0.73	U	3.5	0.73	0.48
8001-35-2	Toxaphene	29	U	180	29	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	97		55-130
877-09-8	Tetrachloro-m-xylene	90		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290021.D		
Lims ID:	280-42047-A-3-A	Client ID:	B301SCS0112AA
Inject. Date:	29-May-2013 19:12:46	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-3-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	176329	Lims Sample ID:	21
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:11:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.767	0.003	21606810	17.9			
2	2	3.845	3.845	0.000	23923249	17.6			
						RPD = 2.12			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100	4.706	4.716	-0.010	756155	0.1638			
2	2	4.857	4.857	0.000	309438	-0.4716			
						RPD = -412.84			
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65		5.867						
2	2		5.971						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65	6.002	5.999	0.003	243606	-0.4856			
2	2	6.163	6.171	-0.008	1361105	0.3667			
						RPD = -1432.83			
20 Toxaphene									1
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65		6.143						
2	2		6.325						
25 4,4'-DDE									M
1	-65	6.226	6.225	0.001	2326378	1.46			
2	2	6.503	6.502	0.001	2467329	1.38			M
						RPD = 6.14			
26 Endosulfan I									
1	100		6.284						
2	2		6.384						
28 Dieldrin									1
1	100		6.528						
2	2		6.665						
30 Endrin									1
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100		6.827						
2	2		7.083						
34 Endosulfan II									1
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									M
1	-65	7.103	7.101	0.002	3251800	3.40			
2	2	7.386	7.384	0.002	3528345	3.42			M
						RPD = 0.80			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
40 Endrin ketone									1
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.962	0.002	15371396	19.4			
2	2	9.417	9.417	0.000	14402161	19.4			
						RPD = 0.10			

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

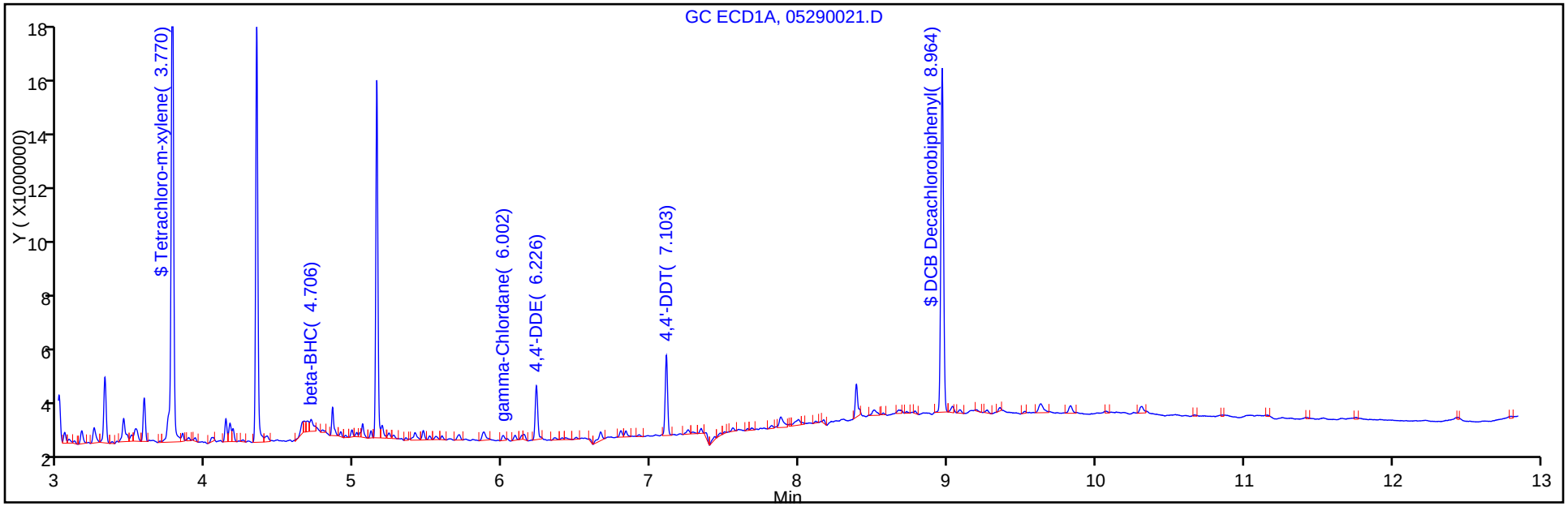
Report Date: 30-May-2013 07:32:46 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

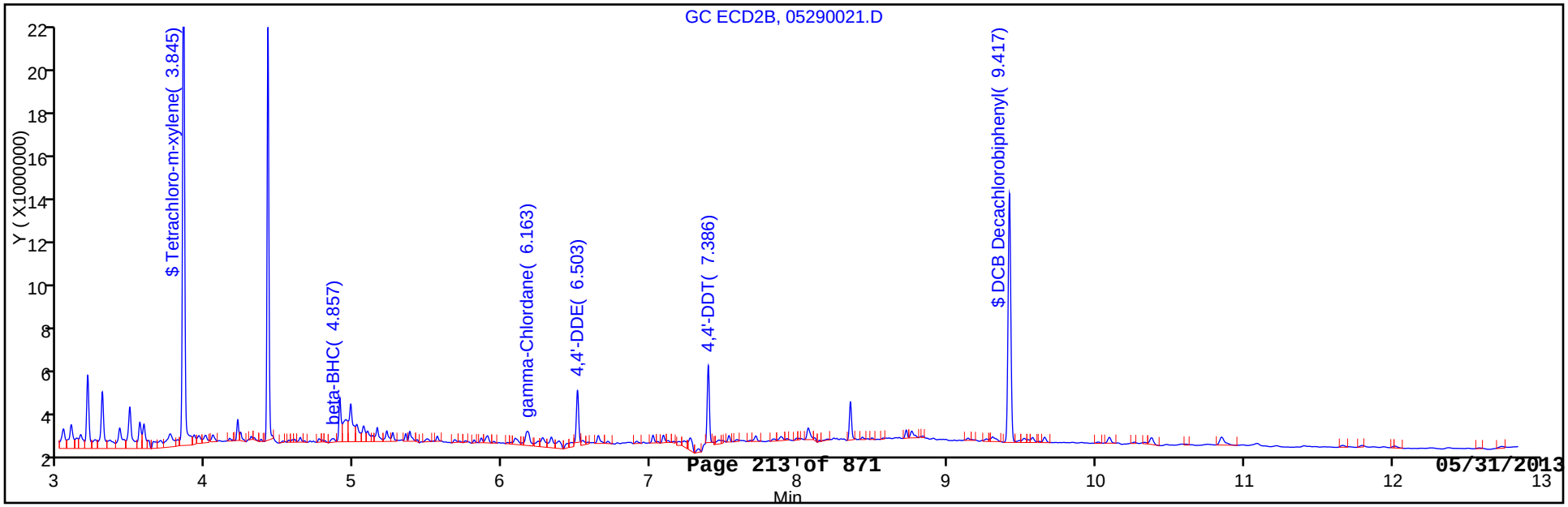
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290021.D

Injection Date:	29-May-2013 19:12:46	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0112AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	21
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0112AA Lab Sample ID: 280-42047-3

Matrix: Solid Lab File ID: 05290021.D

Analysis Method: 8081B Date Collected: 05/06/2013 10:02

Extraction Method: 3546 Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.3(g) Date Analyzed: 05/29/2013 19:12

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

% Moisture: 9.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	97		55-130
877-09-8	Tetrachloro-m-xylene	88		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290021.D		
Lims ID:	280-42047-A-3-A	Client ID:	B301SCS0112AA
Inject. Date:	29-May-2013 19:12:46	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-3-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	176329	Lims Sample ID:	21
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:11:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.767	0.003	21606810	17.9			
2	2	3.845	3.845	0.000	23923249	17.6			
						RPD = 2.12			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100	4.706	4.716	-0.010	756155	0.1638			
2	2	4.857	4.857	0.000	309438	-0.4716			
						RPD = -412.84			
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65		5.867						
2	2		5.971						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65	6.002	5.999	0.003	243606	-0.4856			
2	2	6.163	6.171	-0.008	1361105	0.3667			
						RPD = -1432.83			
20 Toxaphene									1
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65		6.143						
2	2		6.325						
25 4,4'-DDE									M
1	-65	6.226	6.225	0.001	2326378	1.46			
2	2	6.503	6.502	0.001	2467329	1.38			M
						RPD = 6.14			
26 Endosulfan I									
1	100		6.284						
2	2		6.384						
28 Dieldrin									1
1	100		6.528						
2	2		6.665						
30 Endrin									1
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100		6.827						
2	2		7.083						
34 Endosulfan II									1
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									M
1	-65	7.103	7.101	0.002	3251800	3.40			
2	2	7.386	7.384	0.002	3528345	3.42			M
						RPD = 0.80			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
40 Endrin ketone									1
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.962	0.002	15371396	19.4			
2	2	9.417	9.417	0.000	14402161	19.4			
						RPD = 0.10			

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

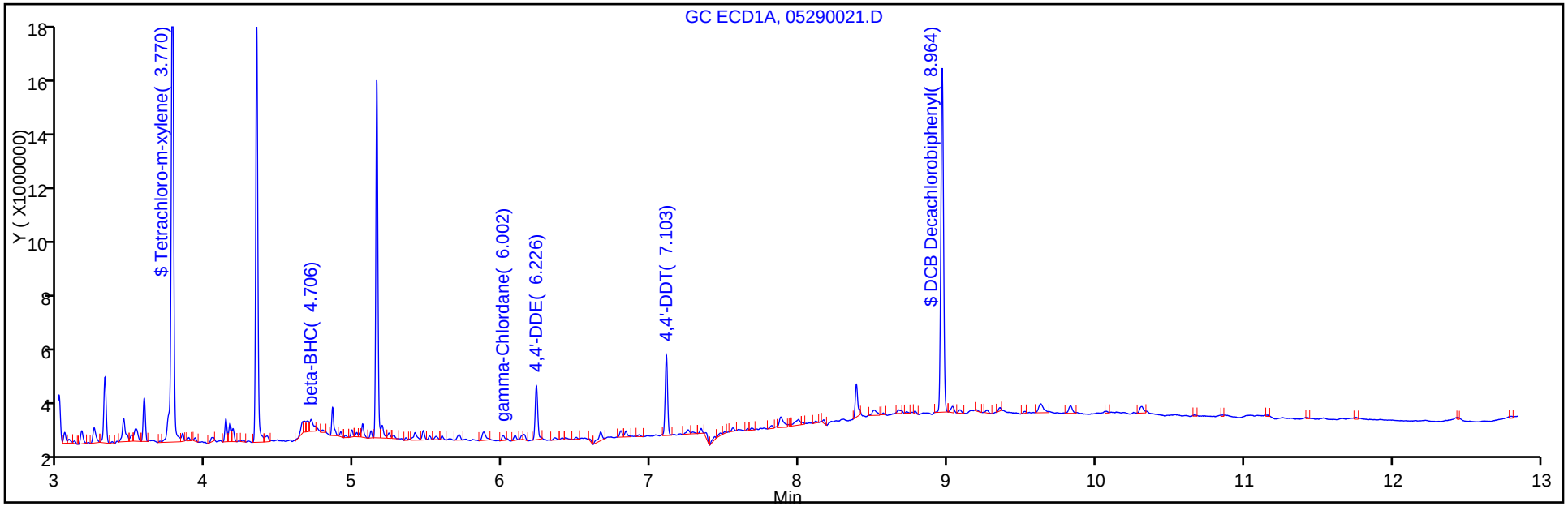
Report Date: 30-May-2013 07:32:46 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

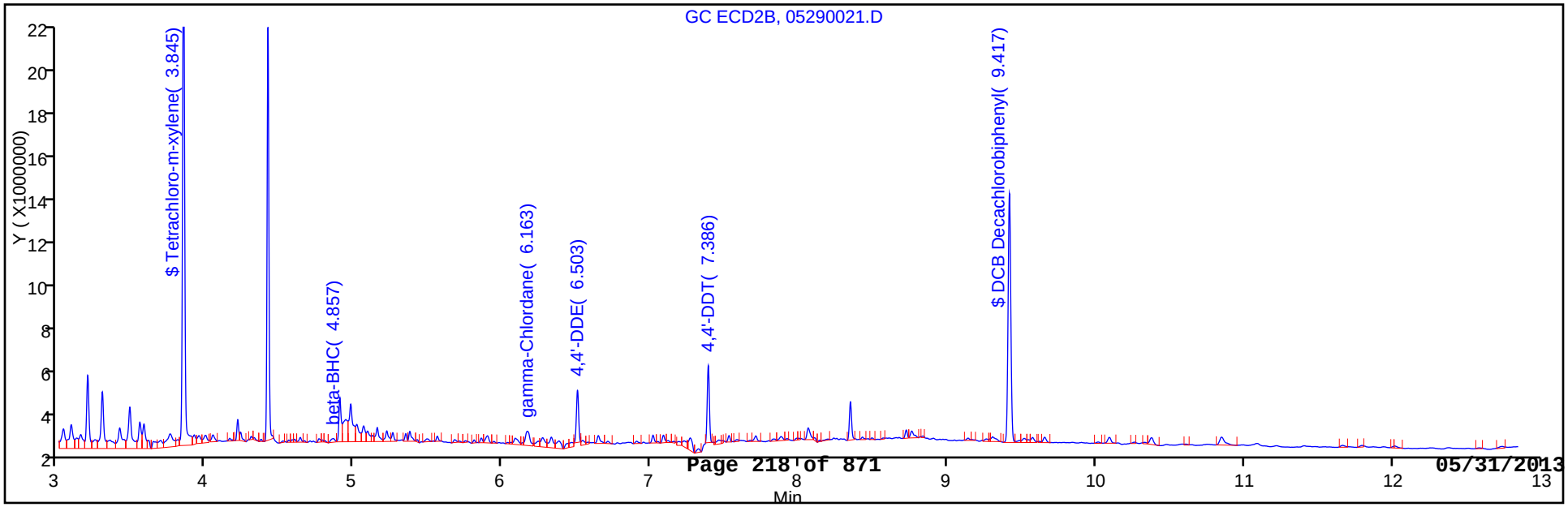
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290021.D

Injection Date:	29-May-2013 19:12:46	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0112AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	21
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

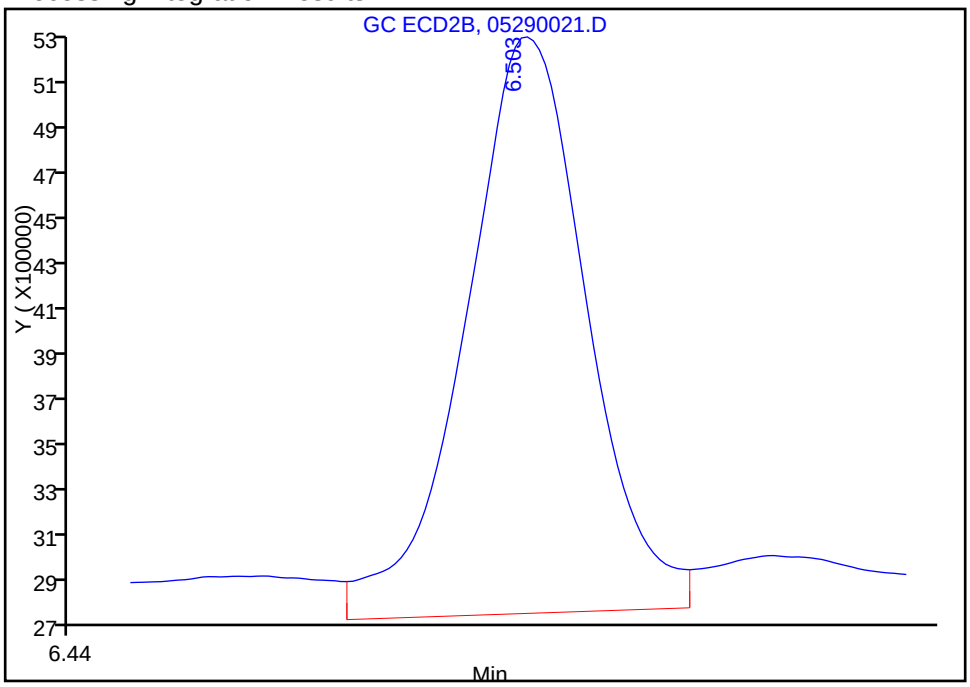
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290021.D		
Injection Date:	29-May-2013 19:12:46	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0112AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	21
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

25 4,4'-DDE, Signal: 2, Type: quant, RT: 6.50, Det: GC ECD2B

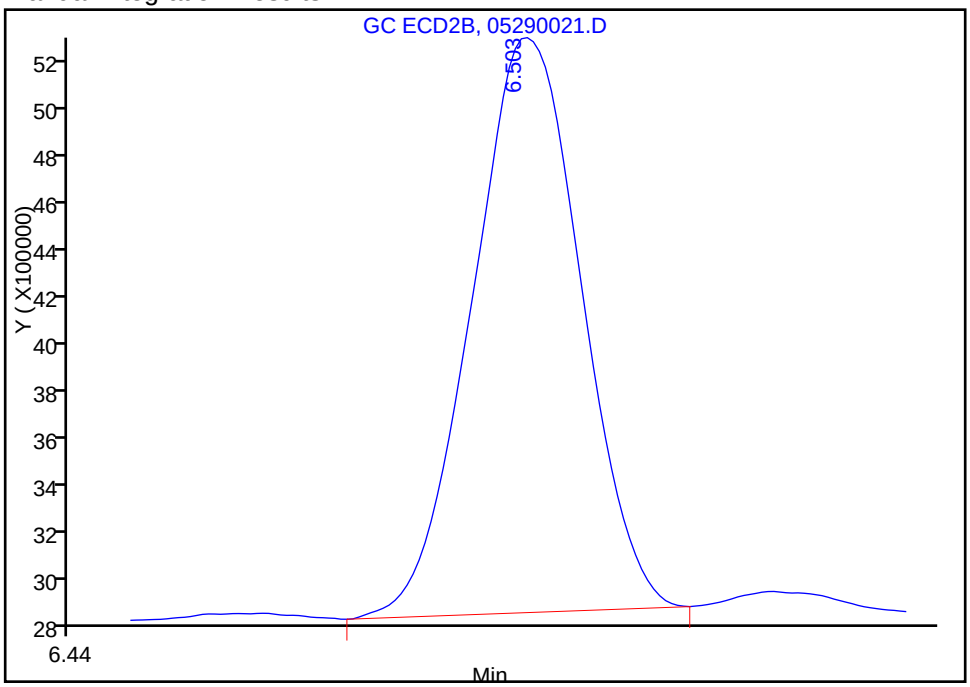
Processing Integration Results

RT: 6.50
Response: 2940546
Amount: 1.719949



Manual Integration Results

RT: 6.50
Response: 2467329
Amount: 1.376627



Reviewer: wellsd, 30-May-2013 07:11:11
Audit Action: Manually Integrated
Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

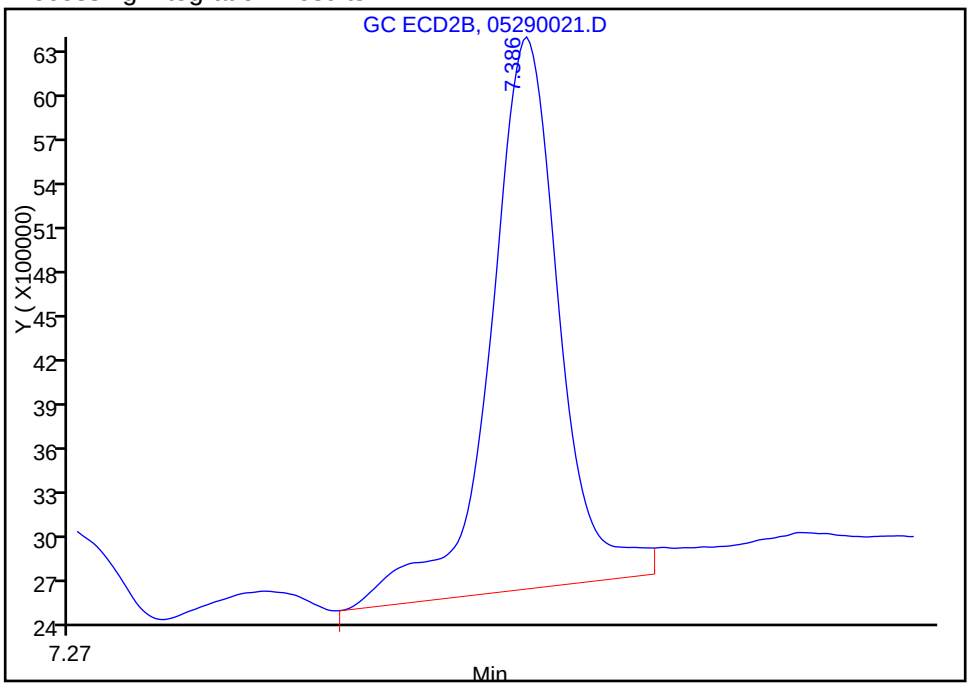
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290021.D		
Injection Date:	29-May-2013 19:12:46	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0112AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	21
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

35 4,4'-DDT, Signal: 2, Type: quant, RT: 7.38, Det: GC ECD2B

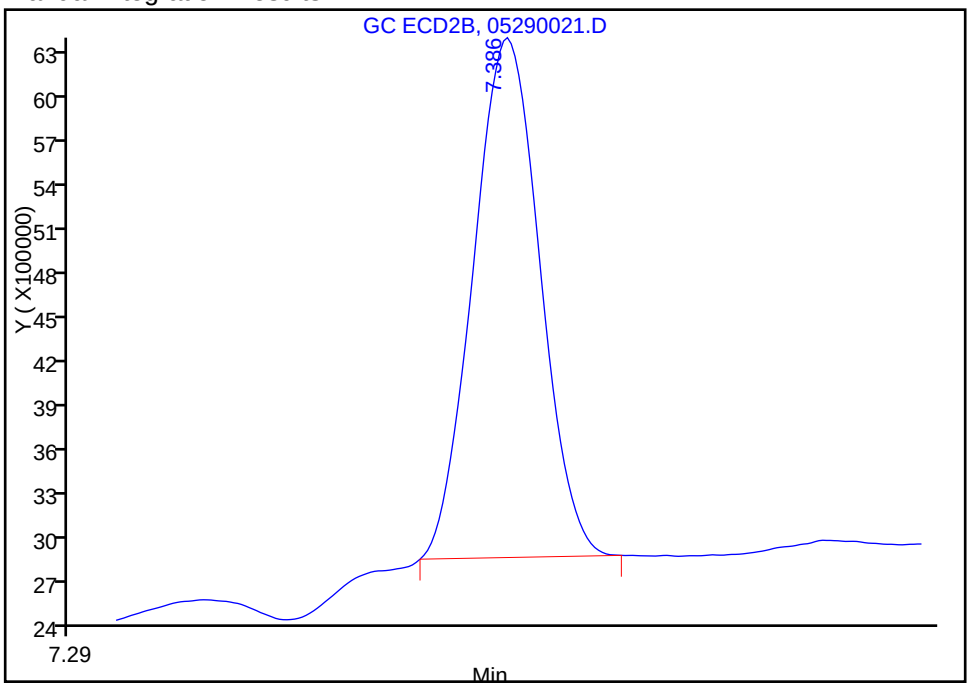
Processing Integration Results

RT: 7.39
Response: 4613610
Amount: 4.567483



Manual Integration Results

RT: 7.39
Response: 3528345
Amount: 3.423456



Reviewer: wellsd, 30-May-2013 07:11:11
Audit Action: Manually Integrated
Audit Reason: Baseline Smoothing

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0204AA | Lab Sample ID: 280-42047-4

Matrix: Solid | Lab File ID: 05290033.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:25

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 30.9(g) | Date Analyzed: 05/29/2013 22:30

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
309-00-2	Aldrin	0.51	U Q	1.9	0.51	0.28
319-86-8	delta-BHC	0.77	U Q	1.9	0.77	0.45
60-57-1	Dieldrin	8.5	Q	1.9	0.51	0.23
959-98-8	Endosulfan I	0.51	U Q	1.9	0.51	0.20
33213-65-9	Endosulfan II	0.51	U Q	1.9	0.51	0.32
1031-07-8	Endosulfan sulfate	0.51	U Q	1.9	0.51	0.31
72-20-8	Endrin	0.51	U Q	1.9	0.51	0.34
7421-93-4	Endrin aldehyde	0.51	U Q	1.9	0.51	0.19
53494-70-5	Endrin ketone	4.1	Q J	1.9	0.77	0.55
76-44-8	Heptachlor	1.4	J Q	1.9	0.51	0.24
8001-35-2	Toxaphene	30	U Q	190	30	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	137	Q	55-130
877-09-8	Tetrachloro-m-xylene	70		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290033.D
Lims ID: 280-42047-A-4-A Client ID: B301SCS0204AA
Inject. Date: 29-May-2013 22:30:36 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 280-42047-A-4-A
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 27
Lims Batch ID: 176329 Lims Sample ID: 33
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:55 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 30-May-2013 07:27:47

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.767	0.004	17097191	14.1			
2	2	3.847	3.845	0.002	18136131	13.2			
						RPD = 6.63			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65	4.640	4.637	0.003	788680	0.0128			
2	2	4.786	4.784	0.002	1130660	0.2995			
						RPD = 183.59			
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100	4.872	4.864	0.008	591183	-0.0195			
2	2	5.088	5.093	-0.005	4633065	2.55			
						RPD = 203.08			
15 Heptachlor									
1	100	5.040	5.038	0.002	4852080	3.77			
2	2	5.137	5.136	0.001	5507237	3.35			
						RPD = 11.73			
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.866	5.867	-0.001	79112540	77.0			
2	2	5.972	5.971	0.001	31625258	23.5			
						RPD = 106.69			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65	6.002	5.999	0.003	215435077	200.2			E
2	2	6.173	6.171	0.002	269084782	197.9			E
						RPD = 1.16			
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.145	6.143	0.002	206019686	193.0			E
2	2	6.327	6.325	0.002	245325116	186.5			E
						RPD = 3.46			
25 4,4'-DDE									
1	-65	6.229	6.225	0.004	3242361877	2701.5			E
2	2	6.505	6.502	0.003	3363859090	2440.1			E
						RPD = 10.17			
26 Endosulfan I									
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100	6.529	6.528	0.001	25200743	22.8			
2	2	6.670	6.665	0.005	21846241	15.7			
						RPD = 36.99			
30 Endrin									
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.830	6.827	0.003	405704248	479.6			E
2	2	7.084	7.083	0.001	499684649	463.9			E
						RPD = 3.32			
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									
1	-65	7.106	7.101	0.005	4734738757	5561.2			E
2	2	7.389	7.384	0.005	5123384188	5400.5			E
						RPD = 2.93			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									
1	-65		7.562						
2	2		8.031						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65	8.043	8.052	-0.009	11157173	10.9			
2	2	8.255	8.256	-0.001	28765054	25.3			
						RPD = 79.26			
$ 41 DCB Decachlorobiphenyl									
1	1	8.965	8.962	0.003	21407268	27.4			
2	2	9.423	9.417	0.006	37630943	52.6			
						RPD = 62.96			

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

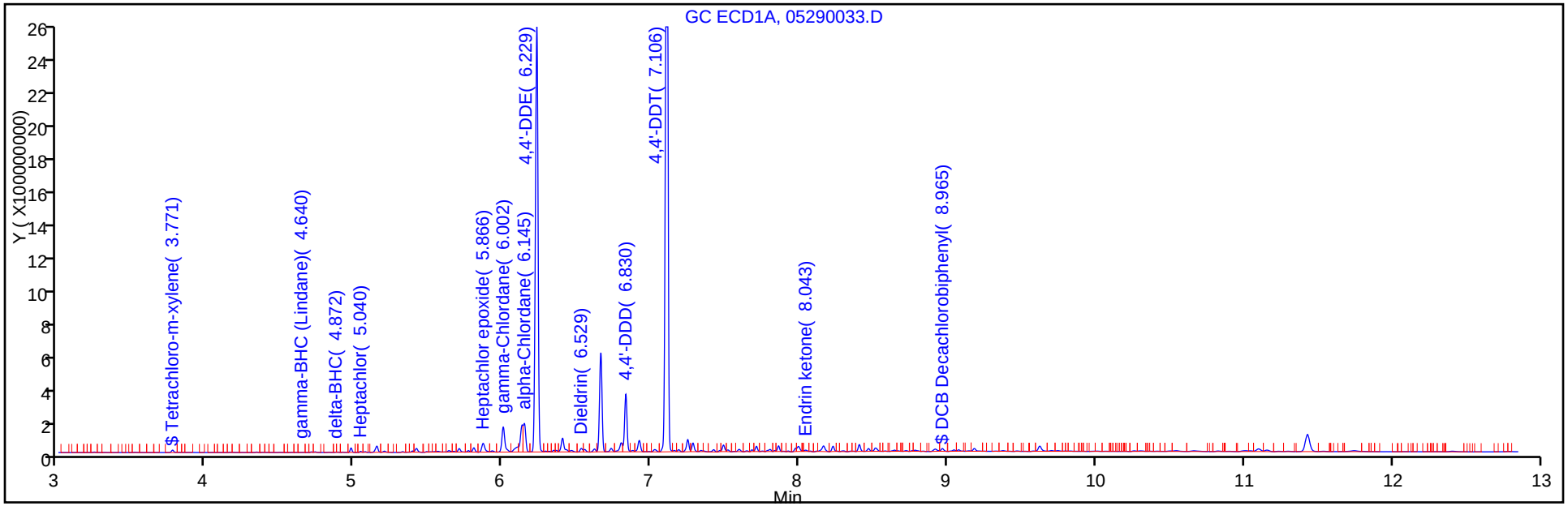
Report Date: 30-May-2013 07:33:01 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

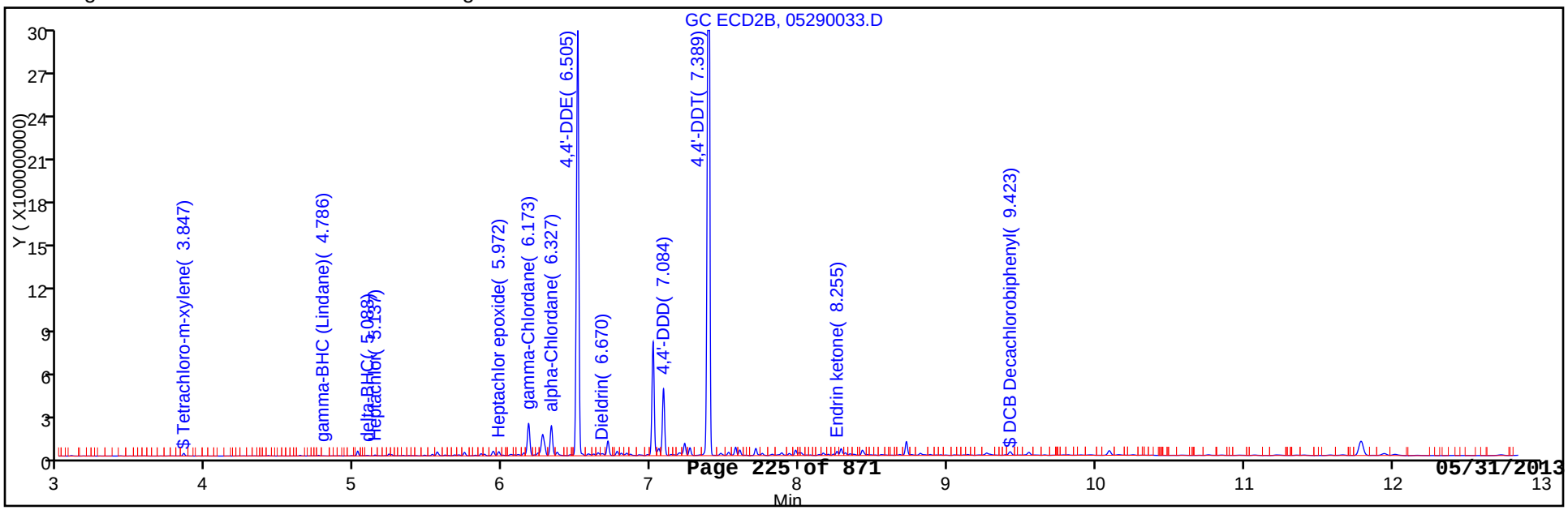
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Injection Date:	29-May-2013 22:30:36	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0204AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	33
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0204AA | Lab Sample ID: 280-42047-4

Matrix: Solid | Lab File ID: 05290033.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:25

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 30.9(g) | Date Analyzed: 05/29/2013 22:30

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
319-84-6	alpha-BHC	0.51	U Q	1.9	0.51	0.24
319-85-7	beta-BHC	0.77	U Q	1.9	0.77	0.74
58-89-9	gamma-BHC (Lindane)	0.77	U Q	1.9	0.77	0.52
1024-57-3	Heptachlor epoxide	8.7	Q J	1.9	0.77	0.48

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	263	Q	55-130
877-09-8	Tetrachloro-m-xylene	66	Q	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290033.D		
Lims ID:	280-42047-A-4-A	Client ID:	B301SCS0204AA
Inject. Date:	29-May-2013 22:30:36	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-4-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	27
Lims Batch ID:	176329	Lims Sample ID:	33
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:55	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:27:47

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.767	0.004	17097191	14.1			
2	2	3.847	3.845	0.002	18136131	13.2			
						RPD = 6.63			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65	4.640	4.637	0.003	788680	0.0128			
2	2	4.786	4.784	0.002	1130660	0.2995			
						RPD = 183.59			
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100	4.872	4.864	0.008	591183	-0.0195			
2	2	5.088	5.093	-0.005	4633065	2.55			
						RPD = 203.08			
15 Heptachlor									
1	100	5.040	5.038	0.002	4852080	3.77			
2	2	5.137	5.136	0.001	5507237	3.35			
						RPD = 11.73			
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.866	5.867	-0.001	79112540	77.0			
2	2	5.972	5.971	0.001	31625258	23.5			
						RPD = 106.91			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65	6.002	5.999	0.003	215435077	200.2			E
2	2	6.173	6.171	0.002	269084782	197.9			E
						RPD = 1.16			
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.145	6.143	0.002	206019686	193.0			E
2	2	6.327	6.325	0.002	245325116	186.5			E
						RPD = 3.46			
25 4,4'-DDE									
1	-65	6.229	6.225	0.004	3242361877	2701.5			E
2	2	6.505	6.502	0.003	3363859090	2440.1			E
						RPD = 10.17			
26 Endosulfan I									
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100	6.529	6.528	0.001	25200743	22.8			
2	2	6.670	6.665	0.005	21846241	15.7			
						RPD = 36.99			
30 Endrin									
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.830	6.827	0.003	405704248	479.6			E
2	2	7.084	7.083	0.001	499684649	463.9			E
						RPD = 3.32			
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									
1	-65	7.106	7.101	0.005	4734738757	5561.2			E
2	2	7.389	7.384	0.005	5123384188	5400.5			E
						RPD = 2.93			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									
1	-65		7.562						
2	2		8.031						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65	8.043	8.052	-0.009	11157173	10.9			
2	2	8.255	8.256	-0.001	28765054	25.3			
						RPD = 79.26			
$ 41 DCB Decachlorobiphenyl									
1	1	8.965	8.962	0.003	21407268	27.4			
2	2	9.423	9.417	0.006	37630943	52.6			
						RPD = 62.96			

QC Flag Legend

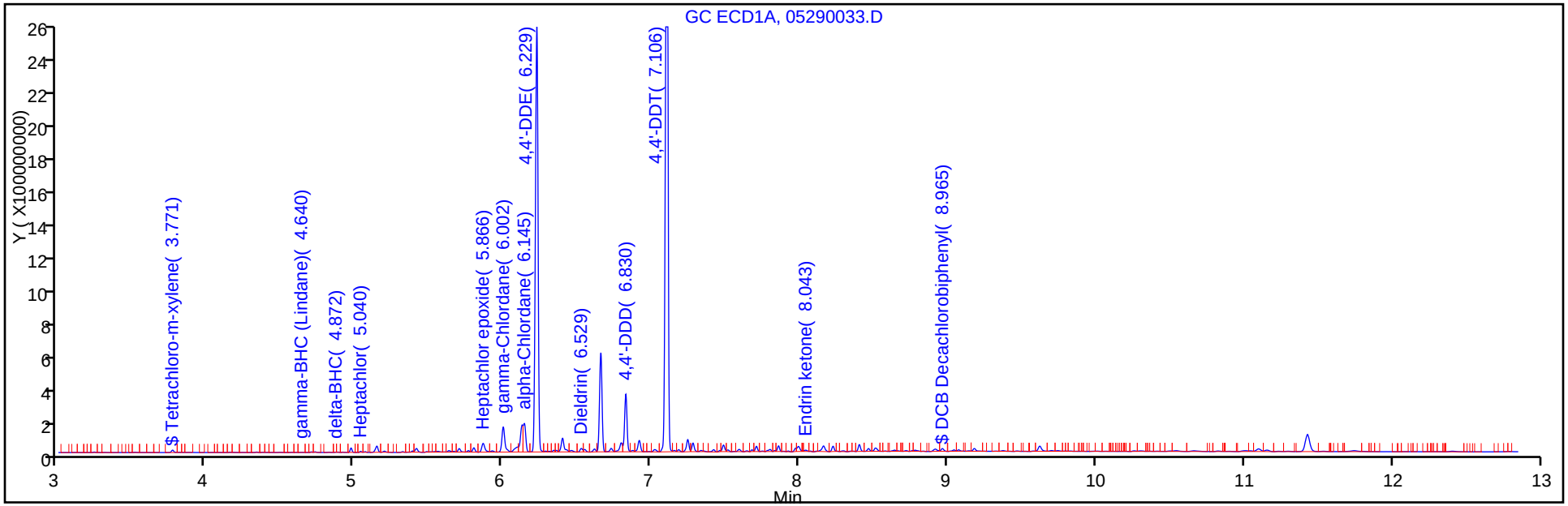
Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

Report Date: 30-May-2013 07:33:01 Chrom Revision: 2.0 25-Apr-2013 12:05:30

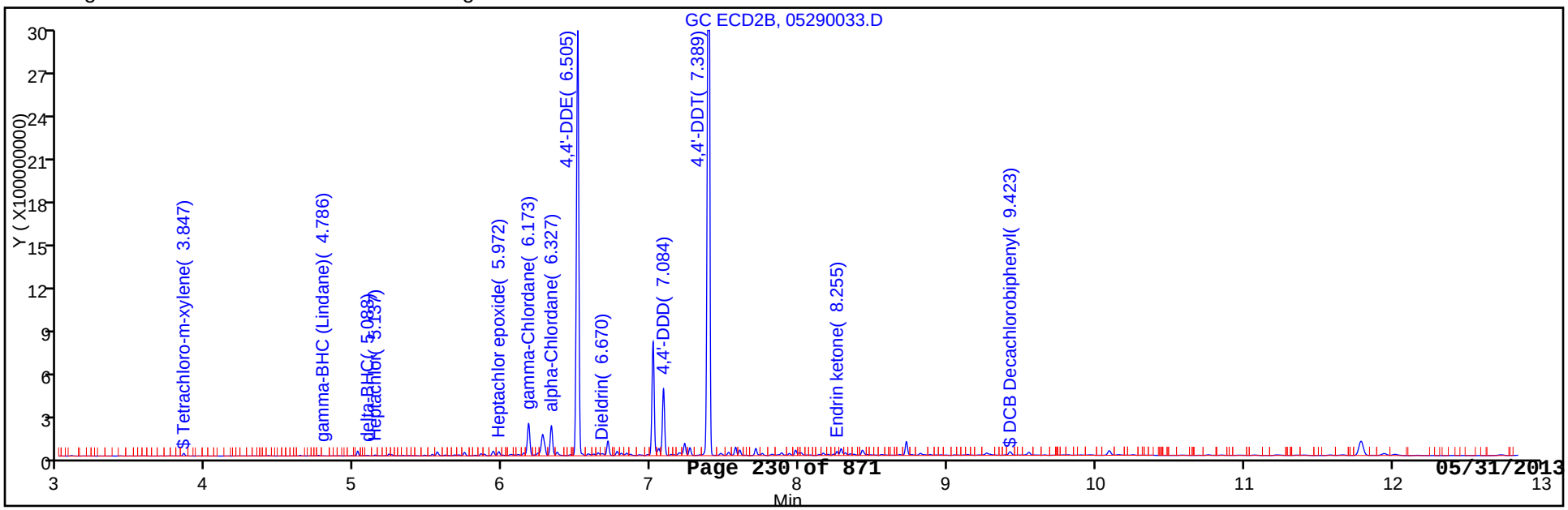
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290033.D		
Injection Date:	29-May-2013 22:30:36	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0204AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	33
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0204AA DL | Lab Sample ID: 280-42047-4 DL

Matrix: Solid | Lab File ID: 05300013.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:25

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 30.9(g) | Date Analyzed: 05/30/2013 17:33

Con. Extract Vol.: 10000(uL) | Dilution Factor: 100

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176496 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	270	D Q	190	77	61
72-55-9	4,4'-DDE	1500	D Q	190	51	27
50-29-3	4,4'-DDT	3000	D Q	220	77	66
5103-71-9	alpha-Chlordane	77	J D Q	190	51	36
5103-74-2	gamma-Chlordane	81	J D Q	190	77	30
72-43-5	Methoxychlor	77	U Q	370	77	50

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	0	D Q	55-130
877-09-8	Tetrachloro-m-xylene	0	D Q	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130530-12103.b\05300013.D		
Lims ID:	280-42047-A-4-A	Client ID:	B301SCS0204AA
Inject. Date:	30-May-2013 17:33:54	Dil. Factor:	100.0000
Sample Type:	Client		
Sample ID:	280-42047-A-4-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	176496	Lims Sample ID:	13
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130530-12103.b\8081 P2.m		
Last Update:	31-May-2013 07:50:38	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 31-May-2013 07:13:45

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100		3.768						
2	2		3.844						
10 alpha-BHC									1
1	-65		4.347						
2	2		4.469						
11 gamma-BHC (Lindane)									1
1	-65		4.638						
2	2		4.783						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									1
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100		5.039						
2	2		5.136						
16 Aldrin									1
1	-65		5.292						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.866	5.868	-0.002	1192372	0.1743			
2	2	5.971	5.970	0.001	539547	-0.4366			
						RPD = -465.82			
23 gamma-Chlordane									
1	-65	6.000	5.999	0.001	3095795	2.17			
2	2	6.172	6.170	0.002	4213725	2.47			
						RPD = 12.78			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									
1	-65		6.116						
1	-65		6.625						
1	-65		7.306						
1	-65		7.706						
1	-65		8.176						
2	6		6.640						
2	7		6.911						
2	8		7.259						
2	9		7.509						
2	10		8.342						
24 alpha-Chlordane									
1	-65	6.142	6.143	-0.001	3008500	2.07			
2	2	6.325	6.324	0.001	3903042	2.29			
						RPD = 10.37			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	48739225	40.1			
2	2	6.503	6.502	0.001	56788904	40.8			
						RPD = 1.60			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100		6.528						
2	2		6.665						
30 Endrin									
1	-65		6.762						
2	2		6.970						
32 4,4'-DDD									
1	100	6.828	6.829	-0.001	6848310	7.29			
2	2	7.084	7.082	0.002	6802233	5.80			
						RPD = 22.77			
34 Endosulfan II									1
1	100		6.980						
2	2		7.179						
35 4,4'-DDT									
1	-65	7.103	7.103	0.000	69558135	81.3			
2	2	7.384	7.384	0.000	82633169	86.8			
						RPD = 6.58			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.504						
37 Methoxychlor									1
1	-65		7.564						
2	2		8.031						
39 Endosulfan sulfate									
1	-65		7.793						
2	2		7.762						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
40 Endrin ketone									
1	-65		8.052						
2	2		8.255						
$ 41 DCB Decachlorobiphenyl									
1	1		8.964						
2	2		9.418						

QC Flag Legend

Processing Flags
1 - Missing Peaks

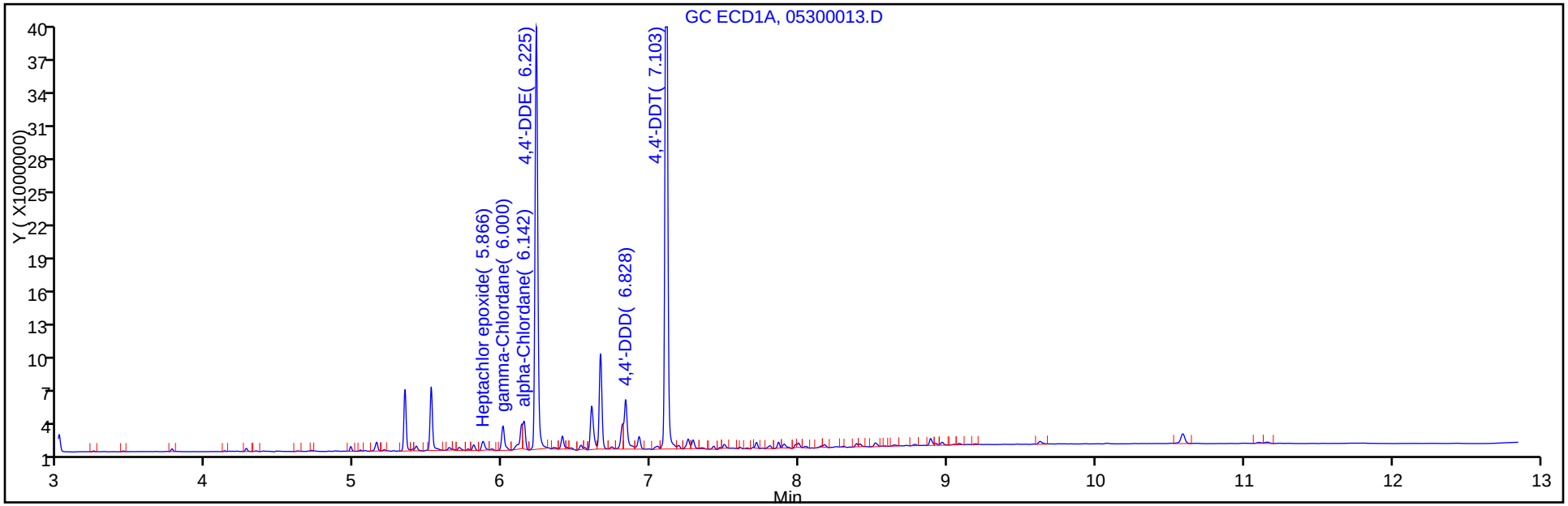
Report Date: 31-May-2013 07:50:44 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

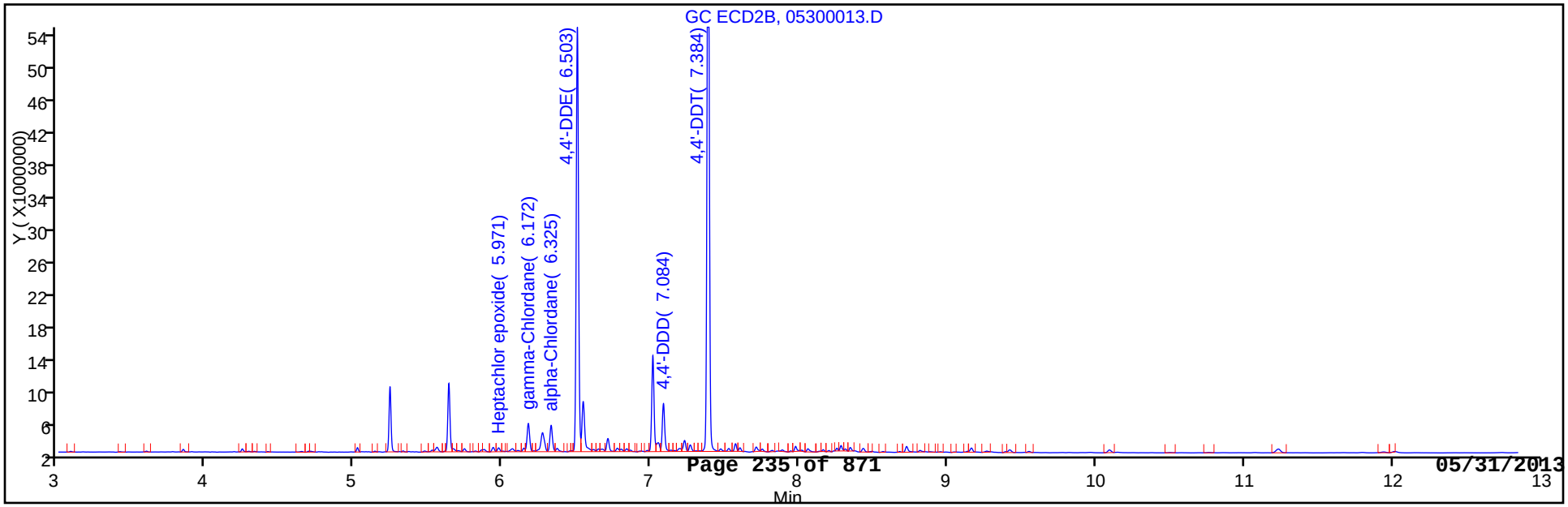
Data File: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\05300013.D

Injection Date:	30-May-2013 17:33:54	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0204AA	Instrument ID:	SGC_P2
Lims Batch ID:	176496	Lims Sample ID:	13
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0204AA DL Lab Sample ID: 280-42047-4 DL

Matrix: Solid Lab File ID: 05300013.D

Analysis Method: 8081B Date Collected: 05/06/2013 10:25

Extraction Method: 3546 Date Extracted: 05/15/2013 11:08

Sample wt/vol: 30.9(g) Date Analyzed: 05/30/2013 17:33

Con. Extract Vol.: 10000(uL) Dilution Factor: 100

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

% Moisture: 13.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 176496 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	0	*D Q*	55-130
877-09-8	Tetrachloro-m-xylene	0	*D Q*	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130530-12103.b\05300013.D		
Lims ID:	280-42047-A-4-A	Client ID:	B301SCS0204AA
Inject. Date:	30-May-2013 17:33:54	Dil. Factor:	100.0000
Sample Type:	Client		
Sample ID:	280-42047-A-4-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	176496	Lims Sample ID:	13
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130530-12103.b\8081 P2.m		
Last Update:	31-May-2013 07:50:38	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 31-May-2013 07:13:45

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100		3.768						
2	2		3.844						
10 alpha-BHC									1
1	-65		4.347						
2	2		4.469						
11 gamma-BHC (Lindane)									1
1	-65		4.638						
2	2		4.783						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									1
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100		5.039						
2	2		5.136						
16 Aldrin									1
1	-65		5.292						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.866	5.868	-0.002	1192372	0.1743			
2	2	5.971	5.970	0.001	539547	-0.4366			
						RPD = -465.82			
23 gamma-Chlordane									
1	-65	6.000	5.999	0.001	3095795	2.17			
2	2	6.172	6.170	0.002	4213725	2.47			
						RPD = 12.78			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									
1	-65		6.116						
1	-65		6.625						
1	-65		7.306						
1	-65		7.706						
1	-65		8.176						
2	6		6.640						
2	7		6.911						
2	8		7.259						
2	9		7.509						
2	10		8.342						
24 alpha-Chlordane									
1	-65	6.142	6.143	-0.001	3008500	2.07			
2	2	6.325	6.324	0.001	3903042	2.29			
						RPD = 10.37			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	48739225	40.1			
2	2	6.503	6.502	0.001	56788904	40.8			
						RPD = 1.60			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100		6.528						
2	2		6.665						
30 Endrin									
1	-65		6.762						
2	2		6.970						
32 4,4'-DDD									
1	100	6.828	6.829	-0.001	6848310	7.29			
2	2	7.084	7.082	0.002	6802233	5.80			
						RPD = 22.77			
34 Endosulfan II									1
1	100		6.980						
2	2		7.179						
35 4,4'-DDT									
1	-65	7.103	7.103	0.000	69558135	81.3			
2	2	7.384	7.384	0.000	82633169	86.8			
						RPD = 6.58			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.504						
37 Methoxychlor									1
1	-65		7.564						
2	2		8.031						
39 Endosulfan sulfate									
1	-65		7.793						
2	2		7.762						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
40 Endrin ketone									
1	-65		8.052						
2	2		8.255						
$ 41 DCB Decachlorobiphenyl									
1	1		8.964						
2	2		9.418						

QC Flag Legend

Processing Flags
1 - Missing Peaks

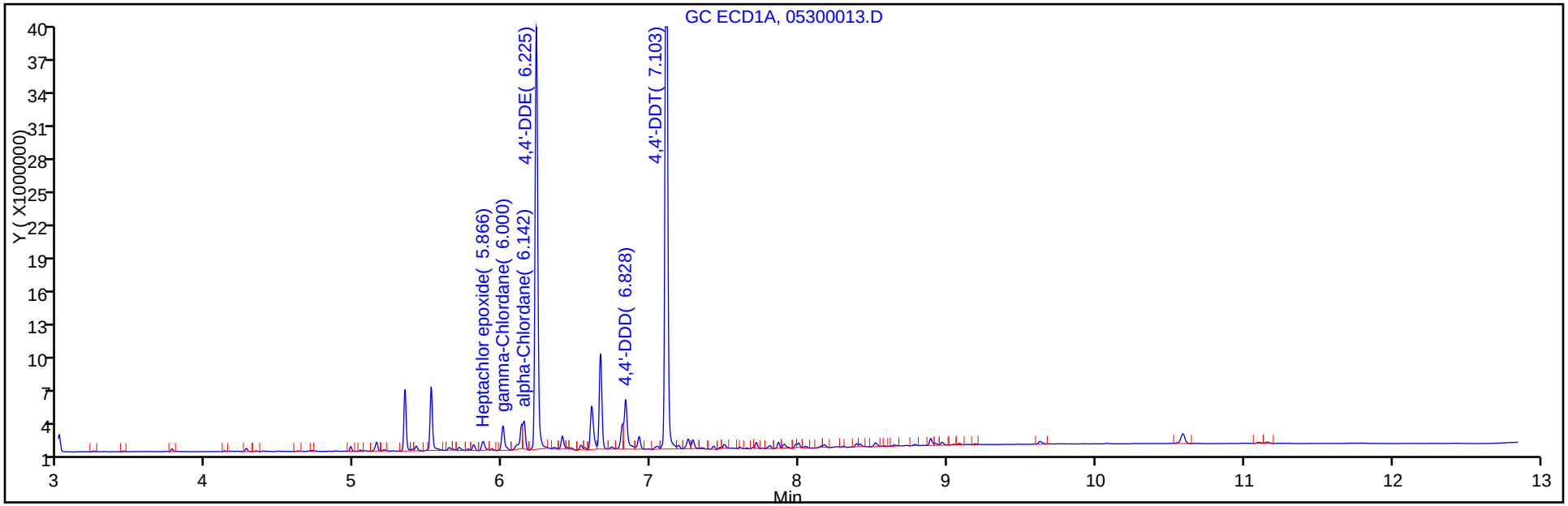
Report Date: 31-May-2013 07:50:44 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

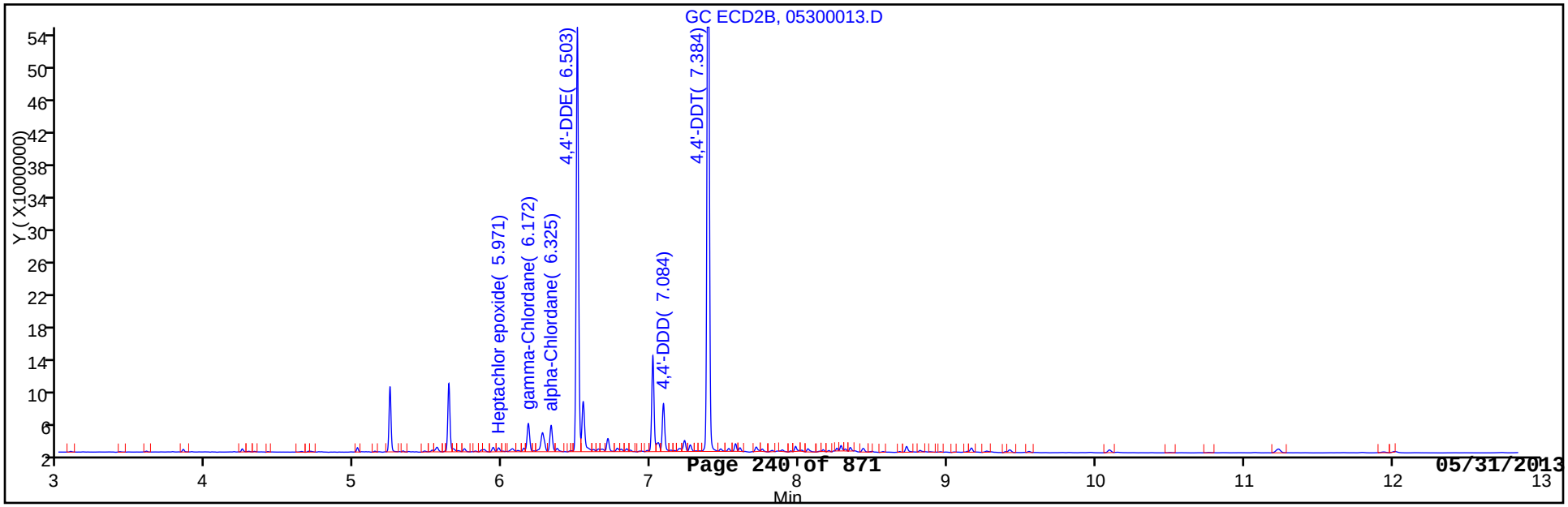
Data File: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\05300013.D

Injection Date:	30-May-2013 17:33:54	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0204AA	Instrument ID:	SGC_P2
Lims Batch ID:	176496	Lims Sample ID:	13
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0208AA | Lab Sample ID: 280-42047-5

Matrix: Solid | Lab File ID: 05290034.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:27

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 32.0(g) | Date Analyzed: 05/29/2013 22:47

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
309-00-2	Aldrin	0.47	U	1.7	0.47	0.26
319-84-6	alpha-BHC	0.47	U	1.7	0.47	0.22
5103-71-9	alpha-Chlordane	6.7		1.7	0.47	0.33
959-98-8	Endosulfan I	0.47	U	1.7	0.47	0.18
33213-65-9	Endosulfan II	0.47	U	1.7	0.47	0.29
1031-07-8	Endosulfan sulfate	0.47	U	1.7	0.47	0.28
72-20-8	Endrin	0.47	U	1.7	0.47	0.31
7421-93-4	Endrin aldehyde	0.47	U	1.7	0.47	0.17
53494-70-5	Endrin ketone	0.70	U	1.7	0.70	0.50
5103-74-2	gamma-Chlordane	5.8		1.7	0.70	0.27
76-44-8	Heptachlor	0.47	U	1.7	0.47	0.22
8001-35-2	Toxaphene	28	U Q	170	28	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	95		55-130
877-09-8	Tetrachloro-m-xylene	75		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290034.D		
Lims ID:	280-42047-A-5-A	Client ID:	B301SCS0208AA
Inject. Date:	29-May-2013 22:47:02	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-5-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	176329	Lims Sample ID:	34
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:55	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:29:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.767	0.003	18118393	14.9			
2	2	3.846	3.845	0.001	20444953	14.9			
						RPD = 0.17			
10 alpha-BHC									1
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100	4.866	4.864	0.002	602423	-0.0105			
2	2	5.087	5.093	-0.006	866824	0.1769			
						RPD = 225.26			
15 Heptachlor									
1	100	5.040	5.038	0.002	1212411	0.3567			
2	2	5.136	5.136	0.000	645807	-0.2238			
						RPD = 873.65			
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.865	5.867	-0.002	8670745	7.55			
2	2	5.971	5.971	0.000	3103399	1.53			
						RPD = 132.44			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65	6.000	5.999	0.001	19023017	17.0			
2	2	6.172	6.171	0.001	28066009	20.1			
						RPD = 16.40			
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.141	6.143	-0.002	21778517	19.7			
2	2	6.325	6.325	0.000	23644955	17.4			
						RPD = 12.78			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	408686491	340.1			E
2	2	6.502	6.502	0.000	468312875	339.4			E
						RPD = 0.22			
26 Endosulfan I									
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100	6.525	6.528	-0.003	2117632	1.28			
2	2	6.670	6.665	0.005	1856219	0.7529			
						RPD = 51.61			
30 Endrin									
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.826	6.827	-0.001	43112344	50.2			
2	2	7.082	7.083	-0.001	53535727	49.2			
						RPD = 1.99			
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	503507283	591.0			E
2	2	7.385	7.384	0.001	584046996	615.4			E
						RPD = 4.04			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									
1	-65		7.562						
2	2		8.031						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.962	8.962	0.000	15126901	19.1			
2	2	9.417	9.417	0.000	15043059	20.3			
						RPD = 6.22			

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

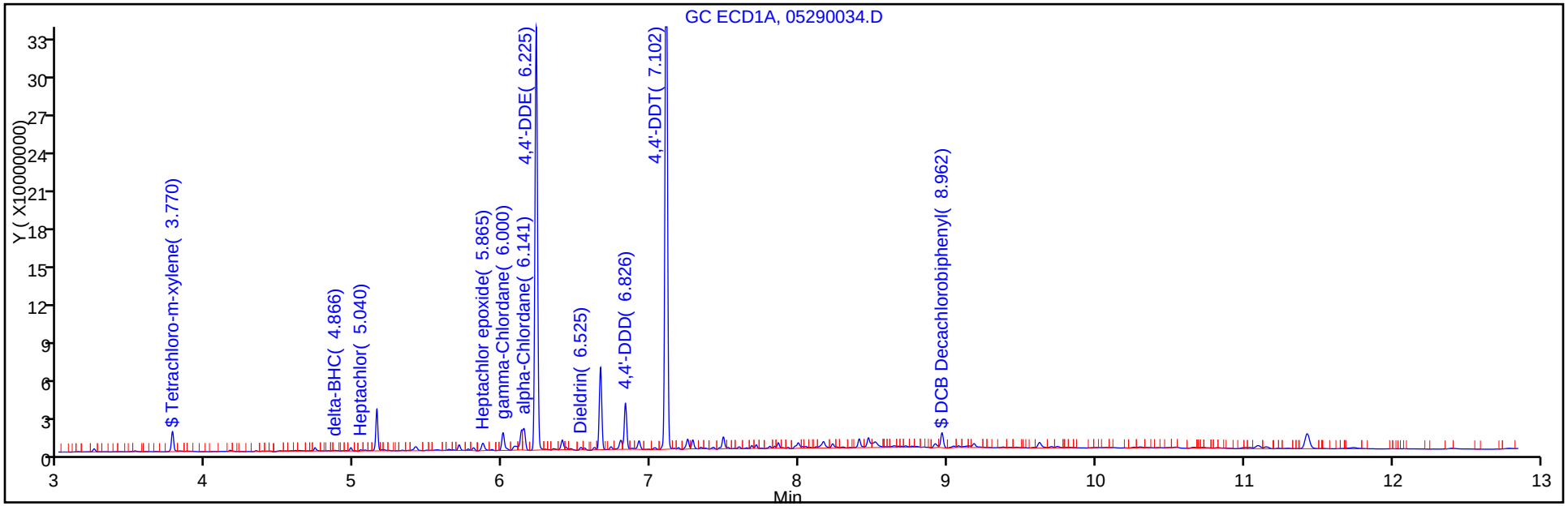
Report Date: 30-May-2013 07:33:02 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

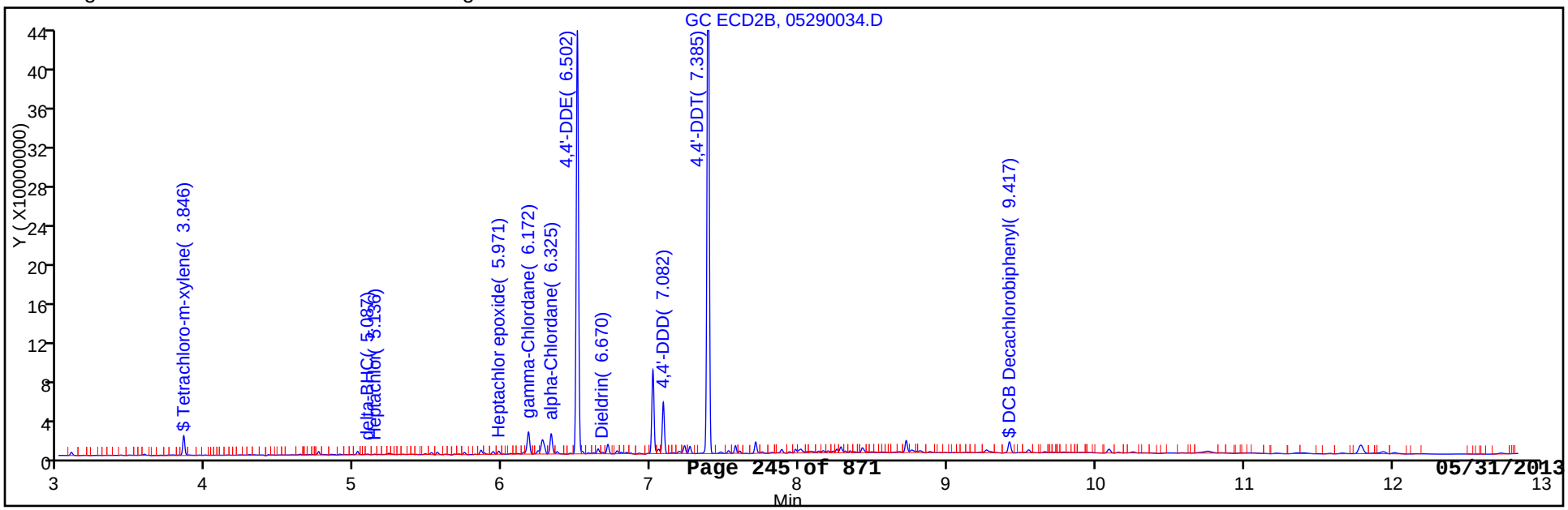
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290034.D

Injection Date:	29-May-2013 22:47:02	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0208AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	34
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0208AA | Lab Sample ID: 280-42047-5

Matrix: Solid | Lab File ID: 05290034.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:27

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 32.0(g) | Date Analyzed: 05/29/2013 22:47

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
319-85-7	beta-BHC	0.70	U	1.7	0.70	0.68
319-86-8	delta-BHC	0.70	U	1.7	0.70	0.41
60-57-1	Dieldrin	0.26	J	1.7	0.47	0.21
58-89-9	gamma-BHC (Lindane)	0.70	U	1.7	0.70	0.47
1024-57-3	Heptachlor epoxide	0.52	J	1.7	0.70	0.44

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	101		55-130
877-09-8	Tetrachloro-m-xylene	75		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290034.D		
Lims ID:	280-42047-A-5-A	Client ID:	B301SCS0208AA
Inject. Date:	29-May-2013 22:47:02	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-5-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	176329	Lims Sample ID:	34
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:55	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:29:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.767	0.003	18118393	14.9			
2	2	3.846	3.845	0.001	20444953	14.9			
						RPD = 0.17			
10 alpha-BHC									1
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100	4.866	4.864	0.002	602423	-0.0105			
2	2	5.087	5.093	-0.006	866824	0.1769			
						RPD = 225.26			
15 Heptachlor									
1	100	5.040	5.038	0.002	1212411	0.3567			
2	2	5.136	5.136	0.000	645807	-0.2238			
						RPD = 873.65			
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.865	5.867	-0.002	8670745	7.55			
2	2	5.971	5.971	0.000	3103399	1.53			
						RPD = 132.44			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65	6.000	5.999	0.001	19023017	17.0			
2	2	6.172	6.171	0.001	28066009	20.1			
						RPD = 16.40			
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.141	6.143	-0.002	21778517	19.7			
2	2	6.325	6.325	0.000	23644955	17.4			
						RPD = 12.78			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	408686491	340.1			E
2	2	6.502	6.502	0.000	468312875	339.4			E
						RPD = 0.22			
26 Endosulfan I									
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100	6.525	6.528	-0.003	2117632	1.28			
2	2	6.670	6.665	0.005	1856219	0.7529			
						RPD = 51.61			
30 Endrin									
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.826	6.827	-0.001	43112344	50.2			
2	2	7.082	7.083	-0.001	53535727	49.2			
						RPD = 1.99			
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	503507283	591.0			E
2	2	7.385	7.384	0.001	584046996	615.4			E
						RPD = 4.04			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									
1	-65		7.562						
2	2		8.031						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.962	8.962	0.000	15126901	19.1			
2	2	9.417	9.417	0.000	15043059	20.3			
						RPD = 6.22			

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

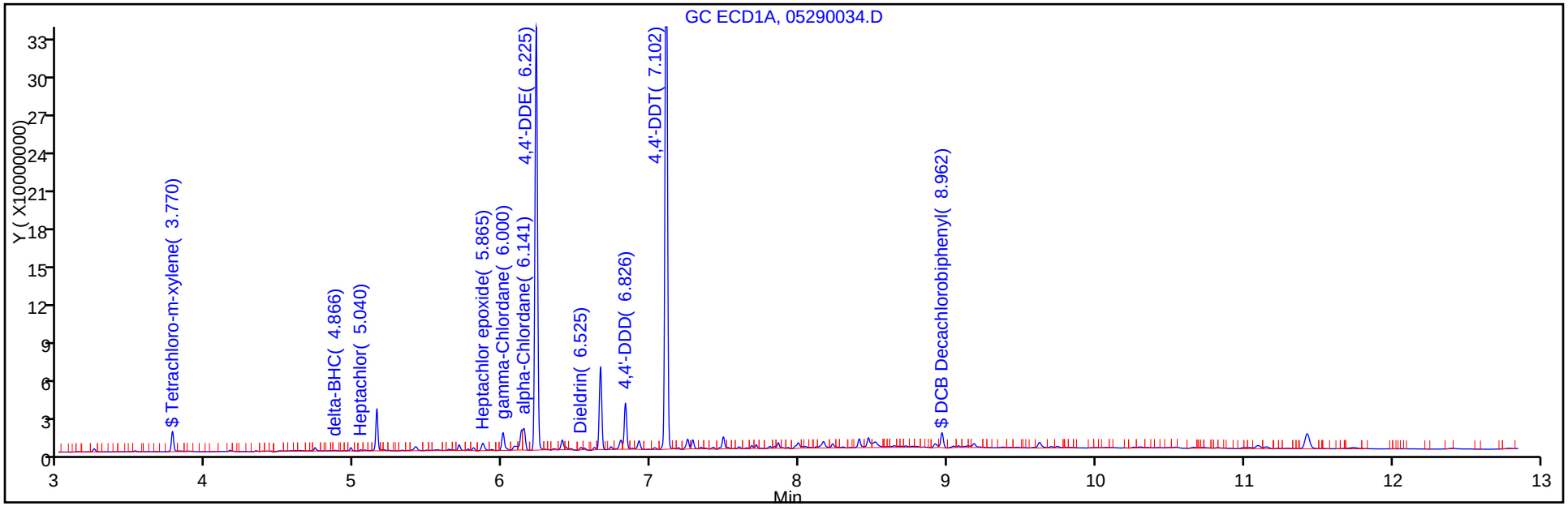
Report Date: 30-May-2013 07:33:03 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

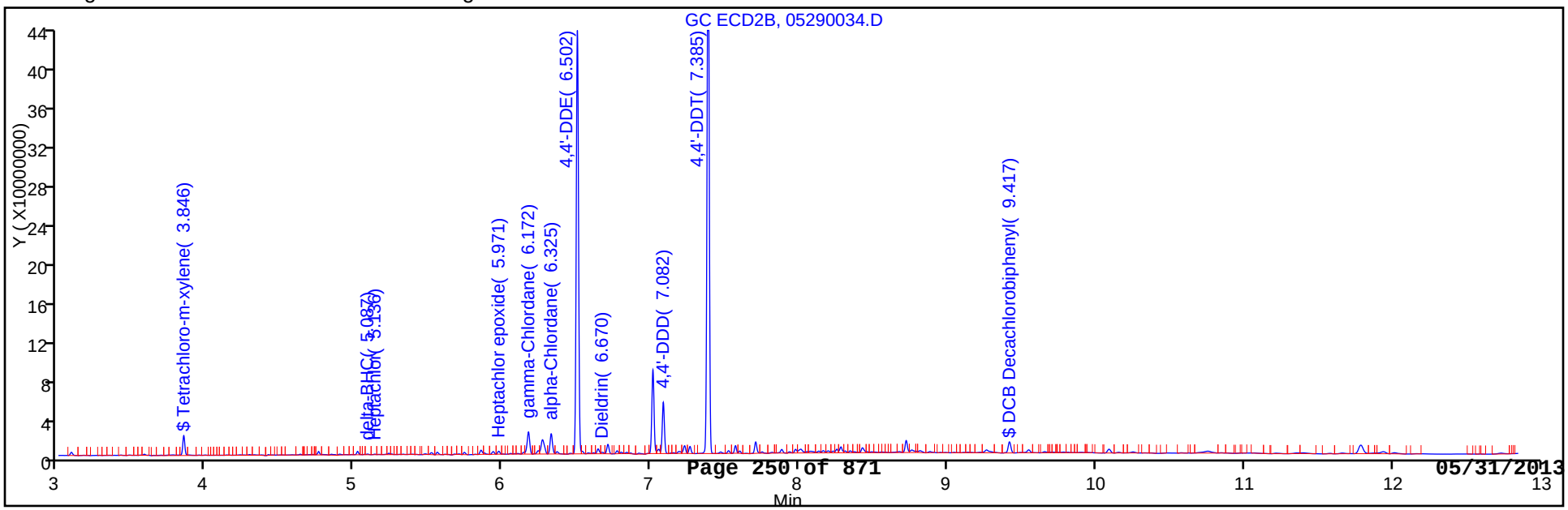
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290034.D

Injection Date:	29-May-2013 22:47:02	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0208AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	34
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0208AA DL | Lab Sample ID: 280-42047-5 DL

Matrix: Solid | Lab File ID: 05290023.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:27

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 32.0(g) | Date Analyzed: 05/29/2013 19:45

Con. Extract Vol.: 10000(uL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	19	D	17	7.0	5.6
72-55-9	4,4'-DDE	140	D	17	4.7	2.4
50-29-3	4,4'-DDT	230	D	20	7.0	6.0
72-43-5	Methoxychlor	7.0	U	34	7.0	4.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	79	D	55-130
877-09-8	Tetrachloro-m-xylene	71	D	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290023.D		
Lims ID:	280-42047-A-5-A	Client ID:	B301SCS0208AA
Inject. Date:	29-May-2013 19:45:44	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	280-42047-A-5-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	176329	Lims Sample ID:	23
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:24:59

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.767	0.003	2353423	1.41			
2	2	3.845	3.845	0.000	2450740	1.24			
						RPD = 12.54			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									1
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									1
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65		5.867						
2	2		5.971						
23 gamma-Chlordane									
1	-65	6.001	5.999	0.002	2351062	1.48			
2	2	6.172	6.171	0.001	3137618	1.68			
						RPD = 12.51			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.142	6.143	-0.001	2689846	1.77			
2	2	6.325	6.325	0.000	2951035	1.57			
						RPD = 12.01			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	50959971	42.0			
2	2	6.502	6.502	0.000	55547450	39.9			
						RPD = 5.14			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100		6.528						
2	2		6.665						
30 Endrin									
1	-65	6.770	6.761	0.009	147082	0.1704			
2	2	6.976	6.971	0.005	96331	-0.4081			
						RPD = -486.73			
32 4,4'-DDD									
1	100	6.829	6.827	0.002	5413205	5.59			
2	2	7.083	7.083	0.000	6352345	5.38			
						RPD = 3.79			
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	58569167	68.4			
2	2	7.385	7.384	0.001	67382855	70.7			
						RPD = 3.40			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						
39 Endosulfan sulfate									
1	-65		7.792						
2	2		7.763						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.962	0.002	2009093	1.58			
2	2	9.419	9.417	0.002	1818859	1.34			
						RPD = 16.24			

QC Flag Legend

Processing Flags
1 - Missing Peaks

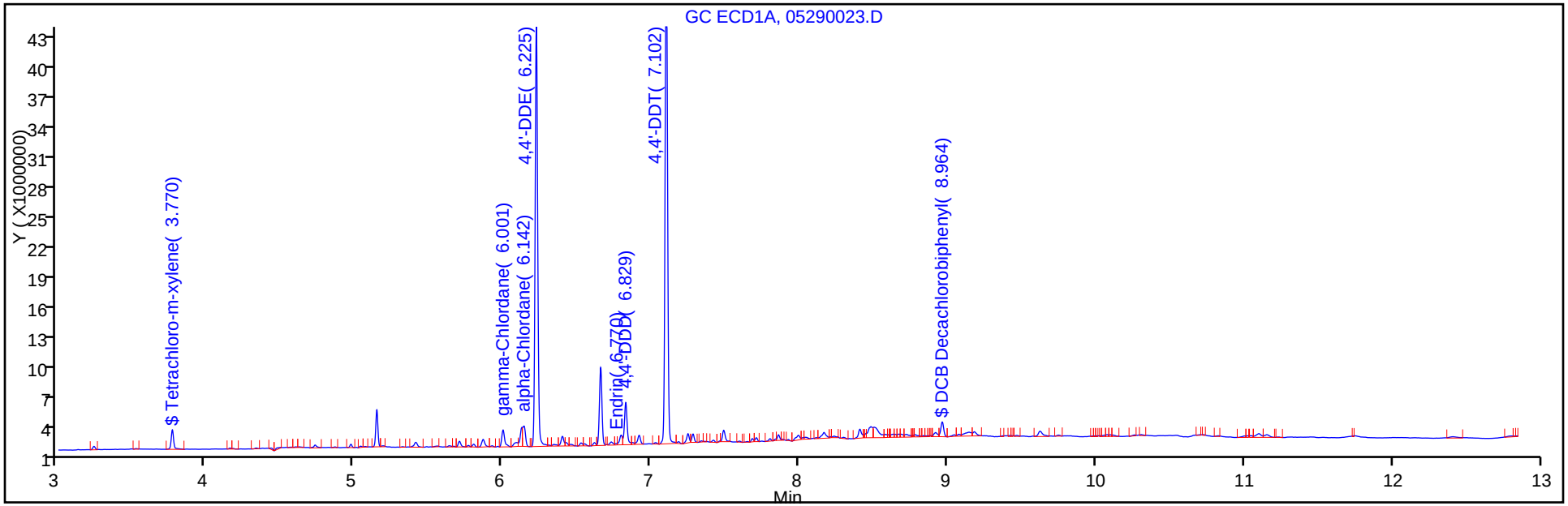
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TestAmerica Denver

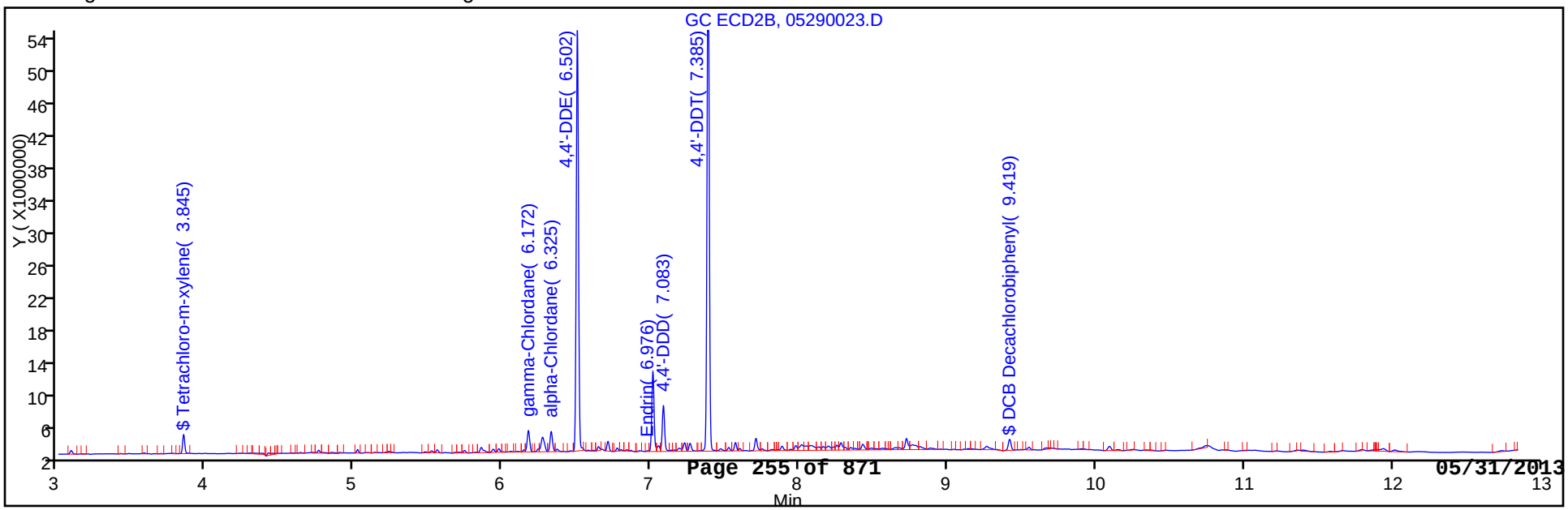
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290023.D

Injection Date:	29-May-2013 19:45:44	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0208AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	23
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0208AA DL | Lab Sample ID: 280-42047-5 DL

Matrix: Solid | Lab File ID: 05290023.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:27

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 32.0(g) | Date Analyzed: 05/29/2013 19:45

Con. Extract Vol.: 10000(uL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 8.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	67	*D*	55-130
877-09-8	Tetrachloro-m-xylene	62	*D Q*	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290023.D		
Lims ID:	280-42047-A-5-A	Client ID:	B301SCS0208AA
Inject. Date:	29-May-2013 19:45:44	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	280-42047-A-5-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	176329	Lims Sample ID:	23
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:24:59

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.767	0.003	2353423	1.41			
2	2	3.845	3.845	0.000	2450740	1.24			
						RPD = 12.54			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									1
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									1
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65		5.867						
2	2		5.971						
23 gamma-Chlordane									
1	-65	6.001	5.999	0.002	2351062	1.48			
2	2	6.172	6.171	0.001	3137618	1.68			
						RPD = 12.51			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.142	6.143	-0.001	2689846	1.77			
2	2	6.325	6.325	0.000	2951035	1.57			
						RPD = 12.01			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	50959971	42.0			
2	2	6.502	6.502	0.000	55547450	39.9			
						RPD = 5.14			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100		6.528						
2	2		6.665						
30 Endrin									
1	-65	6.770	6.761	0.009	147082	0.1704			
2	2	6.976	6.971	0.005	96331	-0.4081			
						RPD = -486.73			
32 4,4'-DDD									
1	100	6.829	6.827	0.002	5413205	5.59			
2	2	7.083	7.083	0.000	6352345	5.38			
						RPD = 3.79			
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	58569167	68.4			
2	2	7.385	7.384	0.001	67382855	70.7			
						RPD = 3.40			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						
39 Endosulfan sulfate									
1	-65		7.792						
2	2		7.763						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.962	0.002	2009093	1.58			
2	2	9.419	9.417	0.002	1818859	1.34			
						RPD = 16.24			

QC Flag Legend

Processing Flags
1 - Missing Peaks

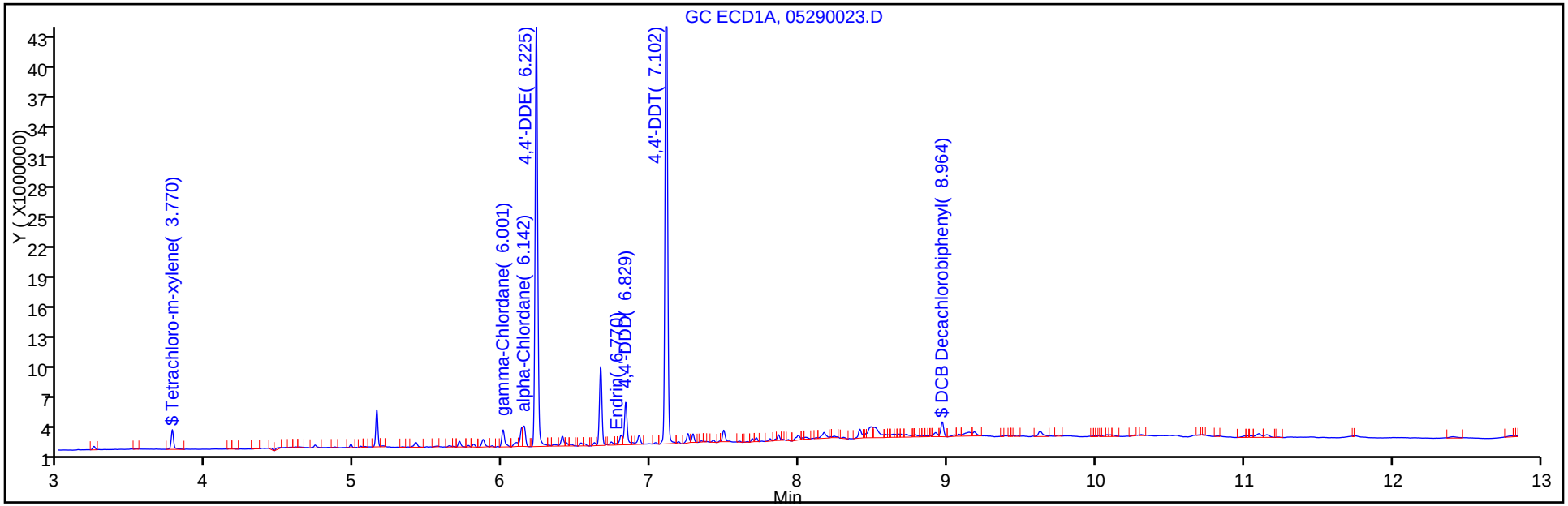
Report Date: 30-May-2013 07:32:49 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

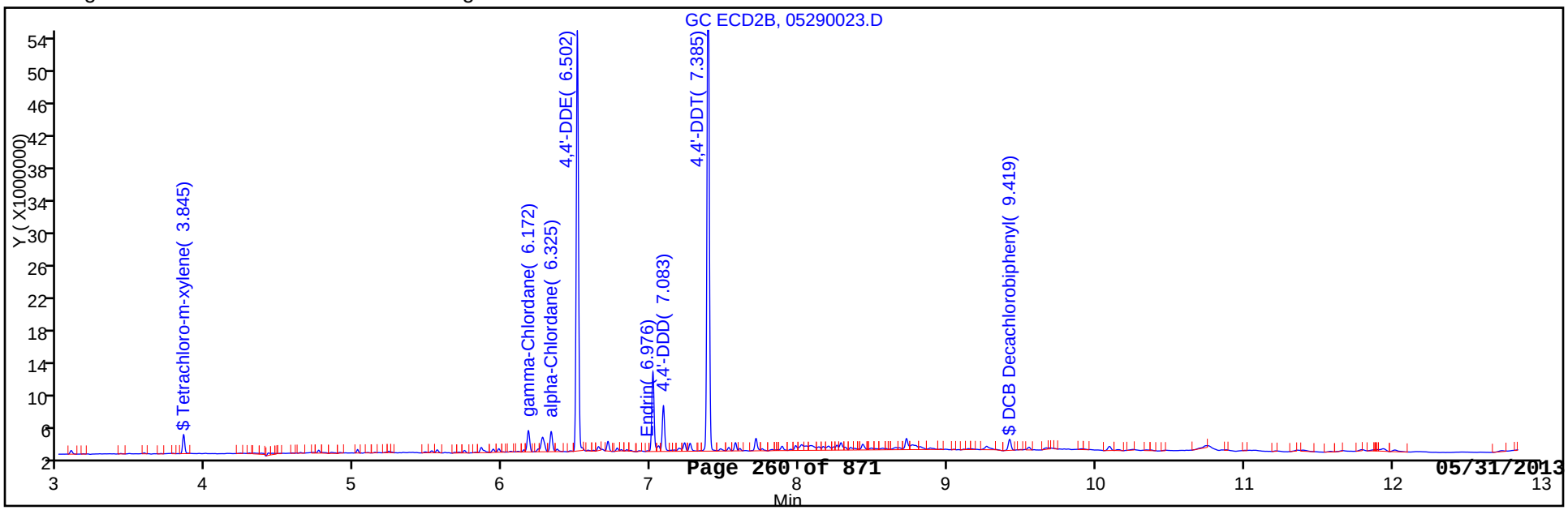
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Injection Date:	29-May-2013 19:45:44	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0208AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	23
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0212AA | Lab Sample ID: 280-42047-6

Matrix: Solid | Lab File ID: 05290024.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:31

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 30.9(g) | Date Analyzed: 05/29/2013 20:02

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 7.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.73	U	1.8	0.73	0.57
72-55-9	4,4'-DDE	1.1	J	1.8	0.48	0.25
50-29-3	4,4'-DDT	1.2	J	2.1	0.73	0.62
309-00-2	Aldrin	0.48	U	1.8	0.48	0.26
319-84-6	alpha-BHC	0.48	U	1.8	0.48	0.23
5103-71-9	alpha-Chlordane	0.48	U	1.8	0.48	0.34
319-85-7	beta-BHC	0.73	U	1.8	0.73	0.70
319-86-8	delta-BHC	0.73	U	1.8	0.73	0.42
60-57-1	Dieldrin	0.48	U	1.8	0.48	0.22
959-98-8	Endosulfan I	0.48	U	1.8	0.48	0.19
33213-65-9	Endosulfan II	0.48	U	1.8	0.48	0.30
1031-07-8	Endosulfan sulfate	0.48	U	1.8	0.48	0.29
72-20-8	Endrin	0.48	U	1.8	0.48	0.32
7421-93-4	Endrin aldehyde	0.48	U	1.8	0.48	0.18
53494-70-5	Endrin ketone	0.73	U	1.8	0.73	0.51
58-89-9	gamma-BHC (Lindane)	0.73	U	1.8	0.73	0.49
5103-74-2	gamma-Chlordane	0.73	U	1.8	0.73	0.28
76-44-8	Heptachlor	0.48	U	1.8	0.48	0.23
1024-57-3	Heptachlor epoxide	0.73	U	1.8	0.73	0.45
72-43-5	Methoxychlor	0.73	U	3.5	0.73	0.47
8001-35-2	Toxaphene	28	U	180	28	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	100		55-130
877-09-8	Tetrachloro-m-xylene	86		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290024.D		
Lims ID:	280-42047-A-6-A	Client ID:	B301SCS0212AA
Inject. Date:	29-May-2013 20:02:09	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-6-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	18
Lims Batch ID:	176329	Lims Sample ID:	24
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:25:29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.769	3.767	0.002	20825905	17.3			
2	2	3.845	3.845	0.000	23126603	17.0			
						RPD = 1.82			
10 alpha-BHC									1
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100	4.866	4.864	0.002	1296277	0.5450			
2	2	5.088	5.093	-0.005	297142	-0.1822			
						RPD = 400.82			
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65		5.867						
2	2		5.971						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									M
1	-65	6.002	5.999	0.003	108474	-0.6117			
2	2	6.167	6.171	-0.004	1057464	0.1426			M
						RPD = -321.58			
20 Toxaphene									M
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65		6.143						
2	2		6.325						
25 4,4'-DDE									M
1	-65	6.226	6.225	0.001	4214533	3.04			
2	2	6.502	6.502	0.000	3982949	2.48			M
						RPD = 20.35			
26 Endosulfan I									
1	100		6.284						
2	2		6.384						
28 Dieldrin									1
1	100		6.528						
2	2		6.665						
30 Endrin									1
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									M
1	100	6.828	6.827	0.001	288046	-0.4827			
2	2	7.082	7.083	-0.001	732551	0.1546			M
						RPD = -388.51			
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									M
1	-65	7.103	7.101	0.002	3330248	3.49			
2	2	7.385	7.384	0.001	3441979	3.33			M
						RPD = 4.57			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									
1	-65		7.562						
2	2		8.031						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									1
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.962	0.002	15801979	20.0			
2	2	9.418	9.417	0.001	14154414	19.0			
						RPD = 4.87			

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

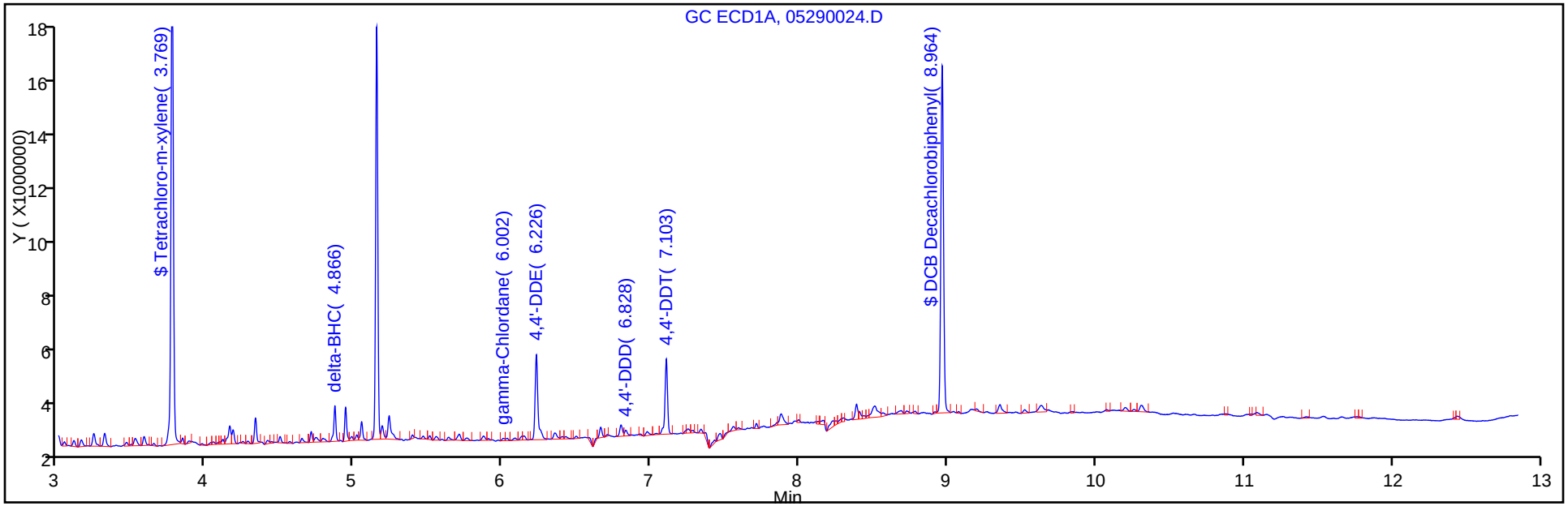
Report Date: 30-May-2013 07:32:49 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

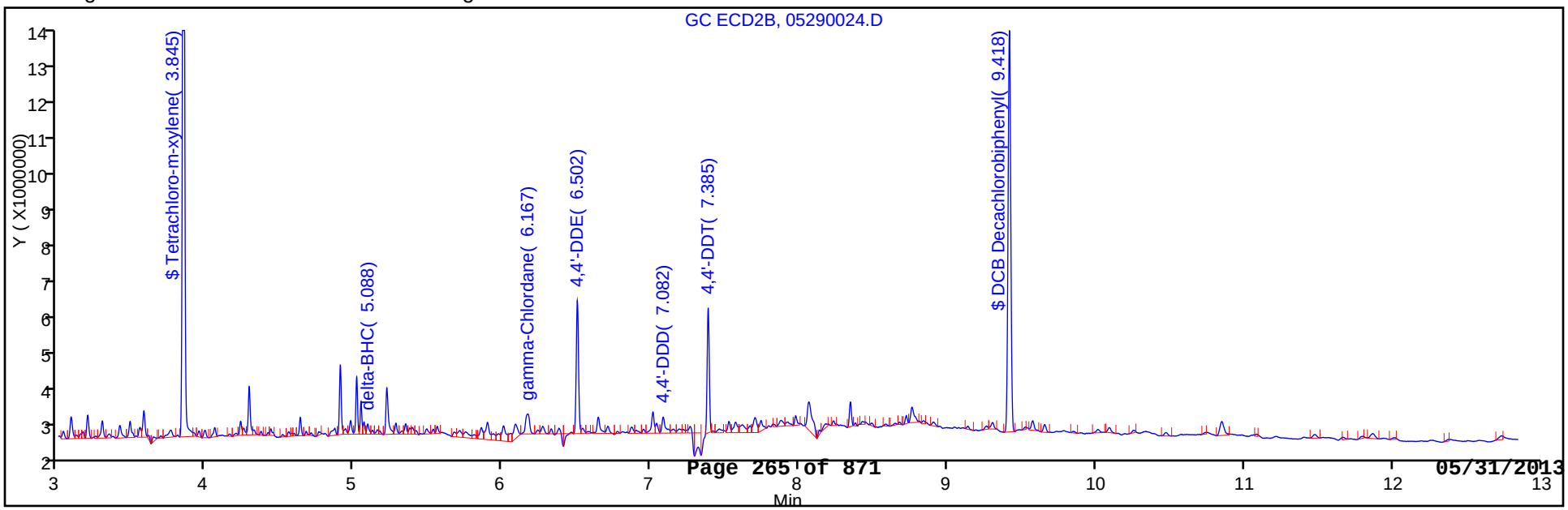
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290024.D

Injection Date:	29-May-2013 20:02:09	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0212AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	24
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0212AA Lab Sample ID: 280-42047-6

Matrix: Solid Lab File ID: 05290024.D

Analysis Method: 8081B Date Collected: 05/06/2013 10:31

Extraction Method: 3546 Date Extracted: 05/15/2013 11:08

Sample wt/vol: 30.9(g) Date Analyzed: 05/29/2013 20:02

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

% Moisture: 7.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	95		55-130
877-09-8	Tetrachloro-m-xylene	85		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290024.D		
Lims ID:	280-42047-A-6-A	Client ID:	B301SCS0212AA
Inject. Date:	29-May-2013 20:02:09	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-6-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	18
Lims Batch ID:	176329	Lims Sample ID:	24
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:25:29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.769	3.767	0.002	20825905	17.3			
2	2	3.845	3.845	0.000	23126603	17.0			
						RPD = 1.82			
10 alpha-BHC									1
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100	4.866	4.864	0.002	1296277	0.5450			
2	2	5.088	5.093	-0.005	297142	-0.1822			
						RPD = 400.82			
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65		5.867						
2	2		5.971						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									M
1	-65	6.002	5.999	0.003	108474	-0.6117			
2	2	6.167	6.171	-0.004	1057464	0.1426			M
						RPD = -321.58			
20 Toxaphene									M
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65		6.143						
2	2		6.325						
25 4,4'-DDE									M
1	-65	6.226	6.225	0.001	4214533	3.04			
2	2	6.502	6.502	0.000	3982949	2.48			M
						RPD = 20.35			
26 Endosulfan I									
1	100		6.284						
2	2		6.384						
28 Dieldrin									1
1	100		6.528						
2	2		6.665						
30 Endrin									1
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									M
1	100	6.828	6.827	0.001	288046	-0.4827			
2	2	7.082	7.083	-0.001	732551	0.1546			M
						RPD = -388.51			
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									M
1	-65	7.103	7.101	0.002	3330248	3.49			
2	2	7.385	7.384	0.001	3441979	3.33			M
						RPD = 4.57			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									
1	-65		7.562						
2	2		8.031						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									1
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.962	0.002	15801979	20.0			
2	2	9.418	9.417	0.001	14154414	19.0			
						RPD = 4.87			

QC Flag Legend

Processing Flags
1 - Missing Peaks

Review Flags
M - Manually Integrated

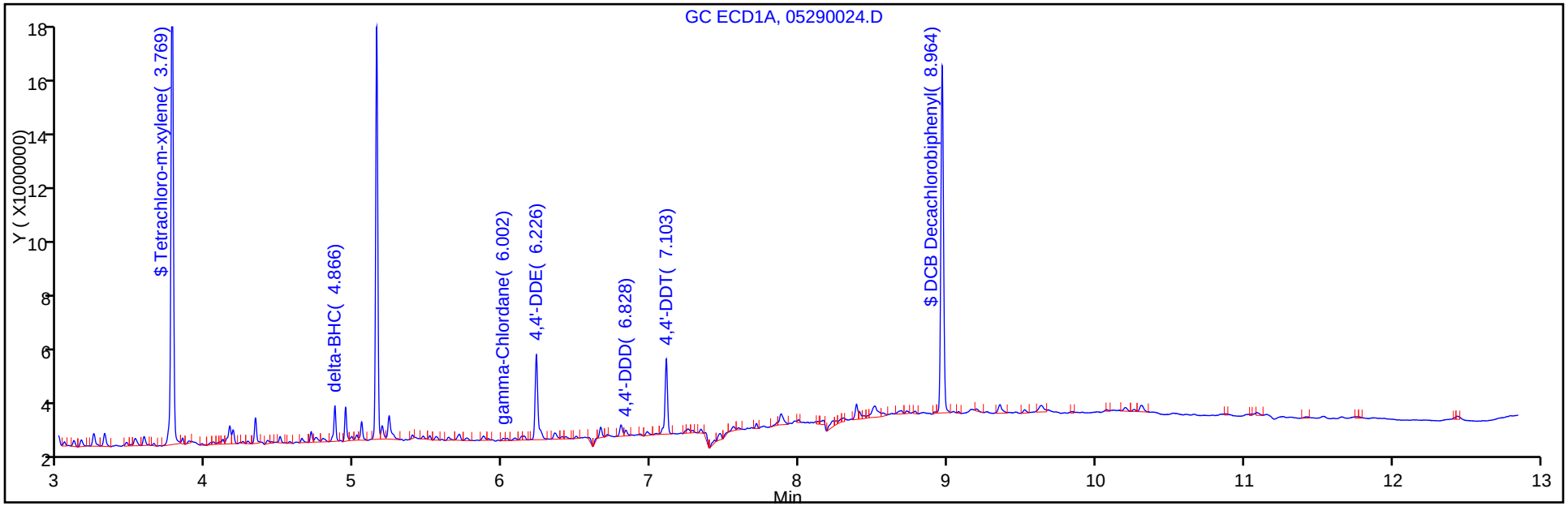
Report Date: 30-May-2013 07:32:50 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

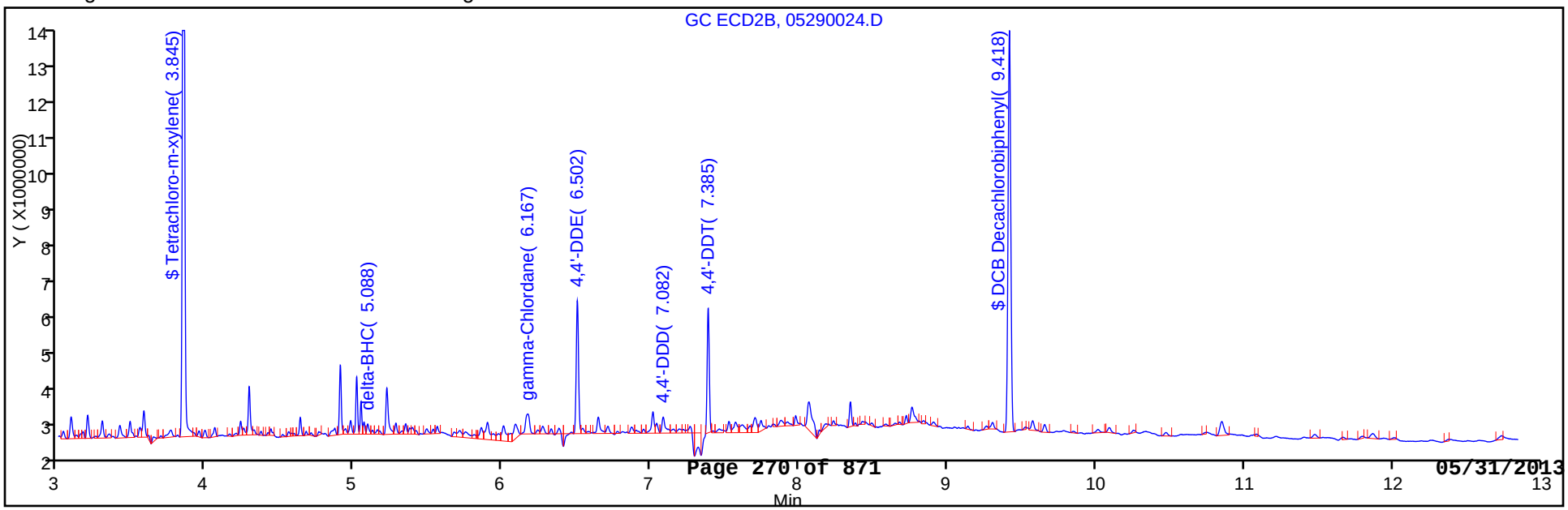
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290024.D

Injection Date:	29-May-2013 20:02:09	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0212AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	24
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

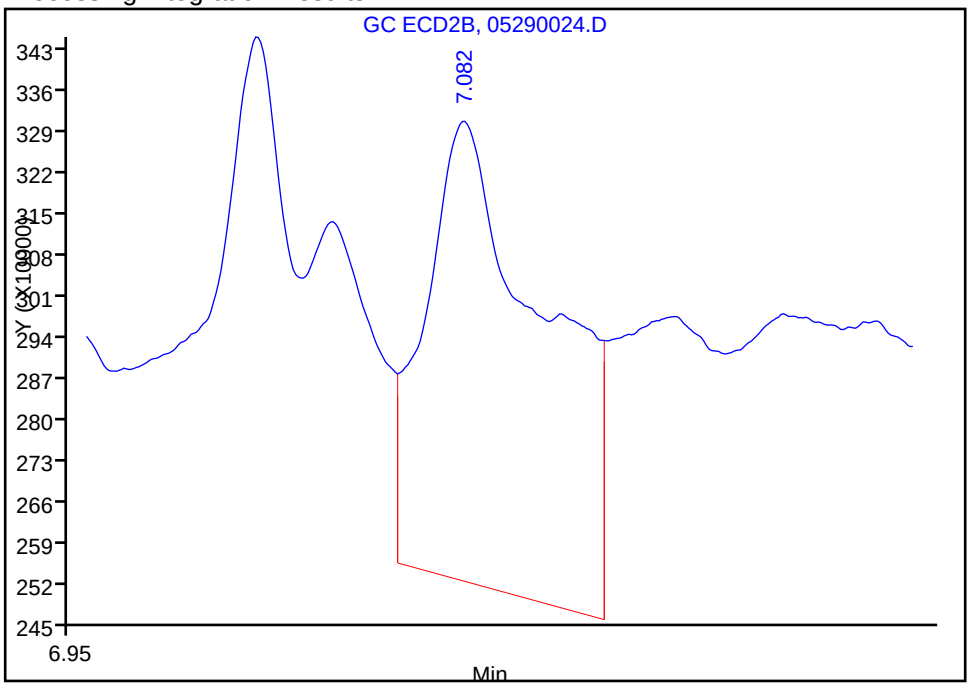
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290024.D		
Injection Date:	29-May-2013 20:02:09	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0212AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	24
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

32 4,4'-DDD, Signal: 2, Type: quant, RT: 7.08, Det: GC ECD2B

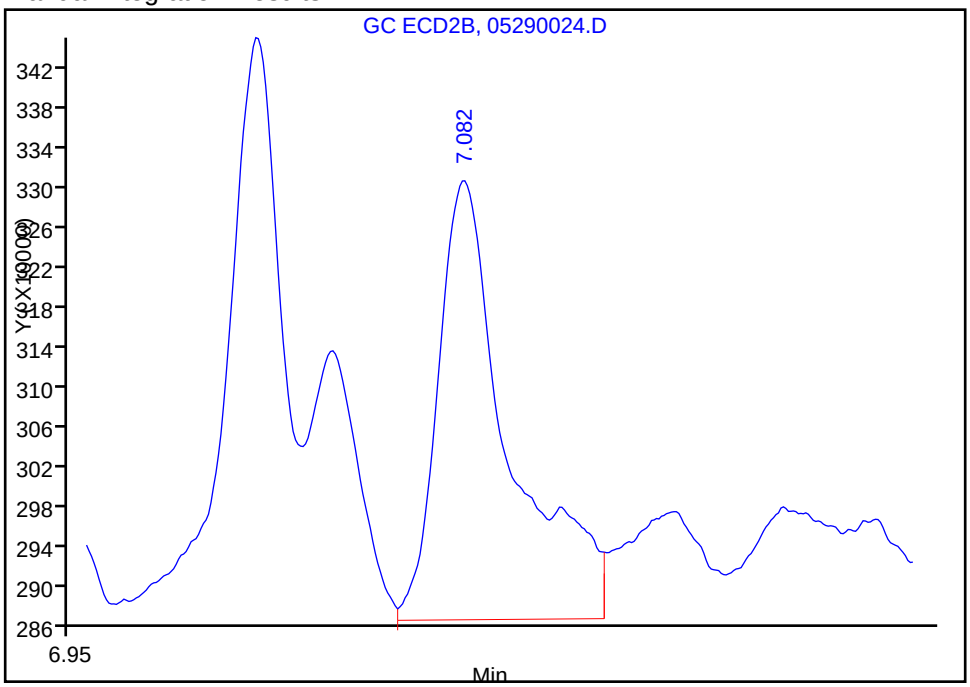
Processing Integration Results

RT: 7.08
Response: 2225505
Amount: 1.542245



Manual Integration Results

RT: 7.08
Response: 732551
Amount: 0.154625



Reviewer: wellsd, 30-May-2013 07:25:29
Audit Action: Assigned New Baseline
Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

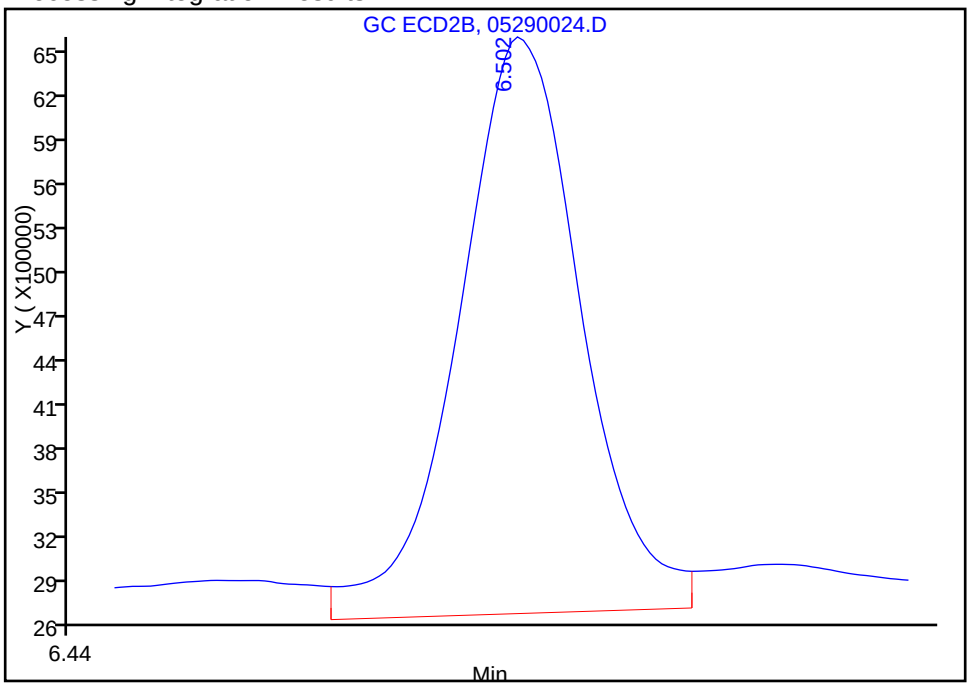
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290024.D		
Injection Date:	29-May-2013 20:02:09	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0212AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	24
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

25 4,4'-DDE, Signal: 2, Type: quant, RT: 6.50, Det: GC ECD2B

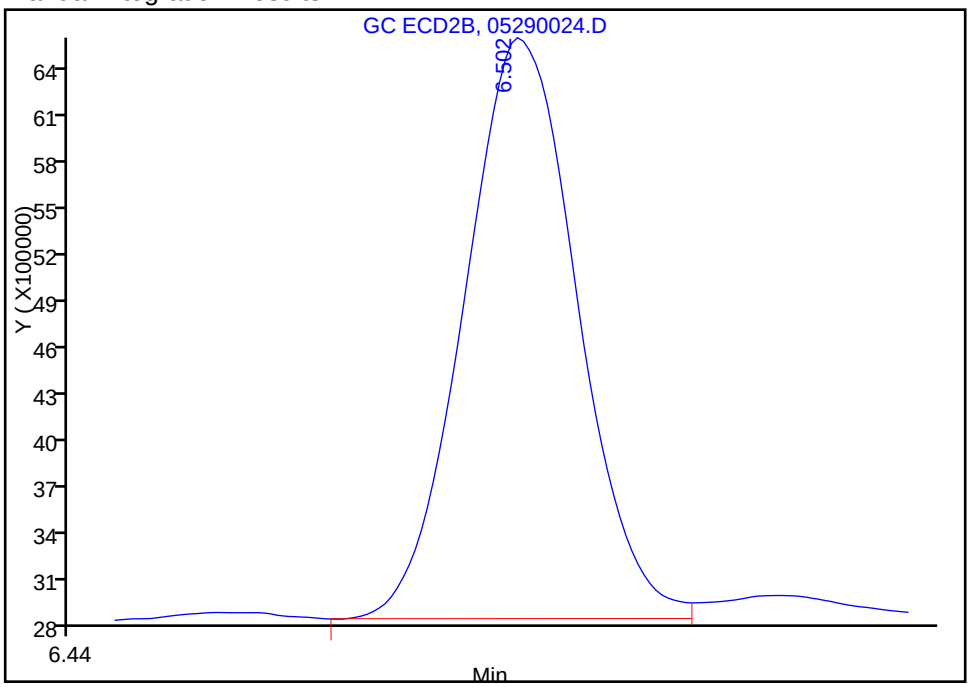
Processing Integration Results

RT: 6.50
Response: 4536236
Amount: 2.877634



Manual Integration Results

RT: 6.50
Response: 3982949
Amount: 2.476220



Reviewer: wellsd, 30-May-2013 07:25:29
Audit Action: Assigned New Baseline
Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

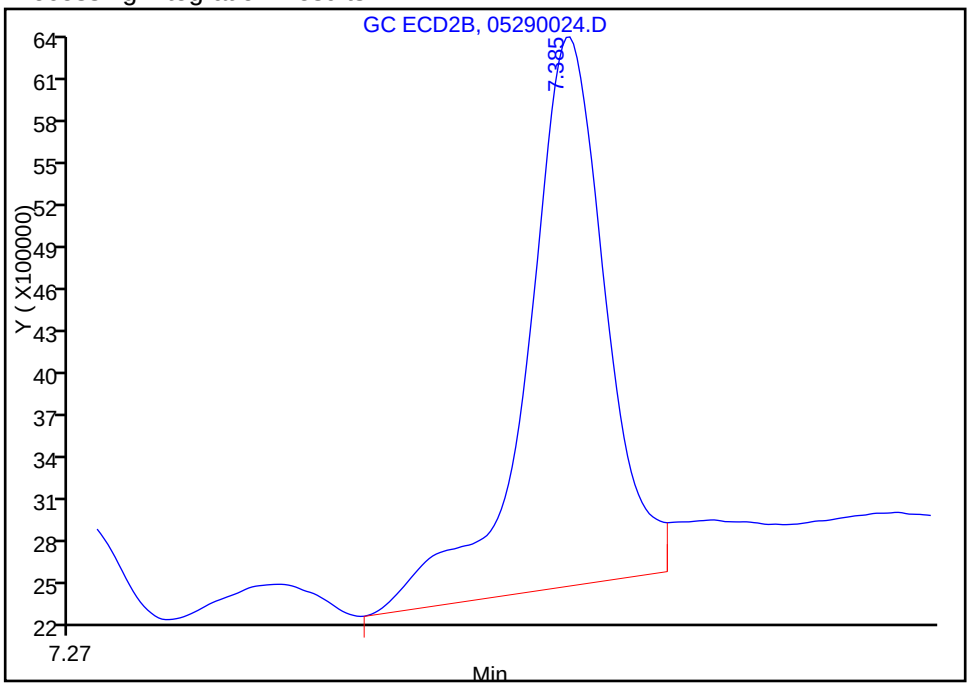
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290024.D		
Injection Date:	29-May-2013 20:02:09	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0212AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	24
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

35 4,4'-DDT, Signal: 2, Type: quant, RT: 7.38, Det: GC ECD2B

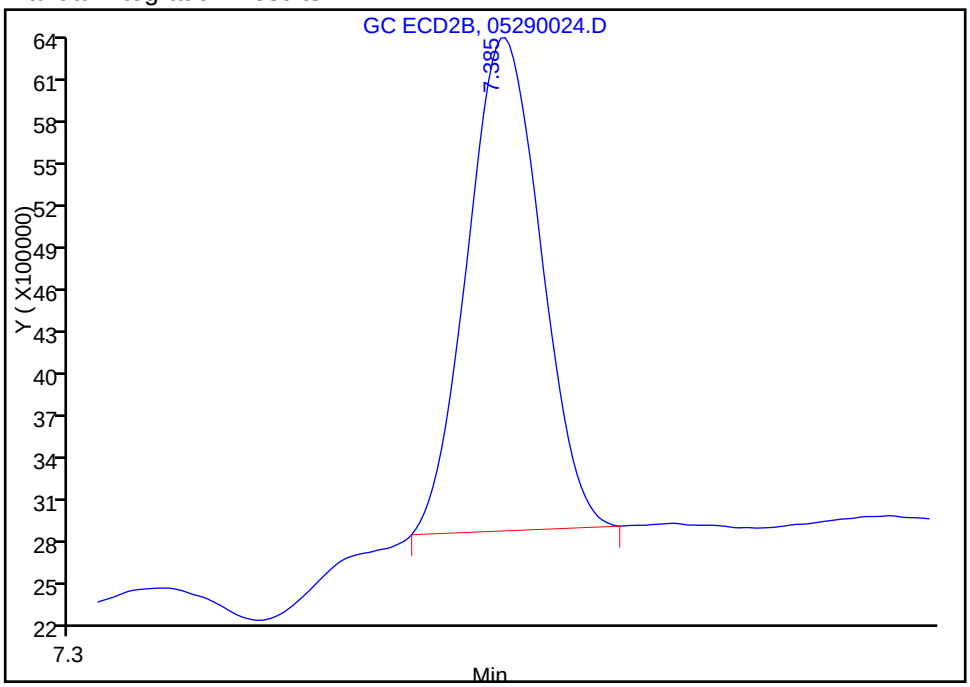
Processing Integration Results

RT: 7.39
Response: 4884401
Amount: 4.852936



Manual Integration Results

RT: 7.39
Response: 3441979
Amount: 3.332414



Reviewer: wellsd, 30-May-2013 07:25:29
Audit Action: Manually Integrated
Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

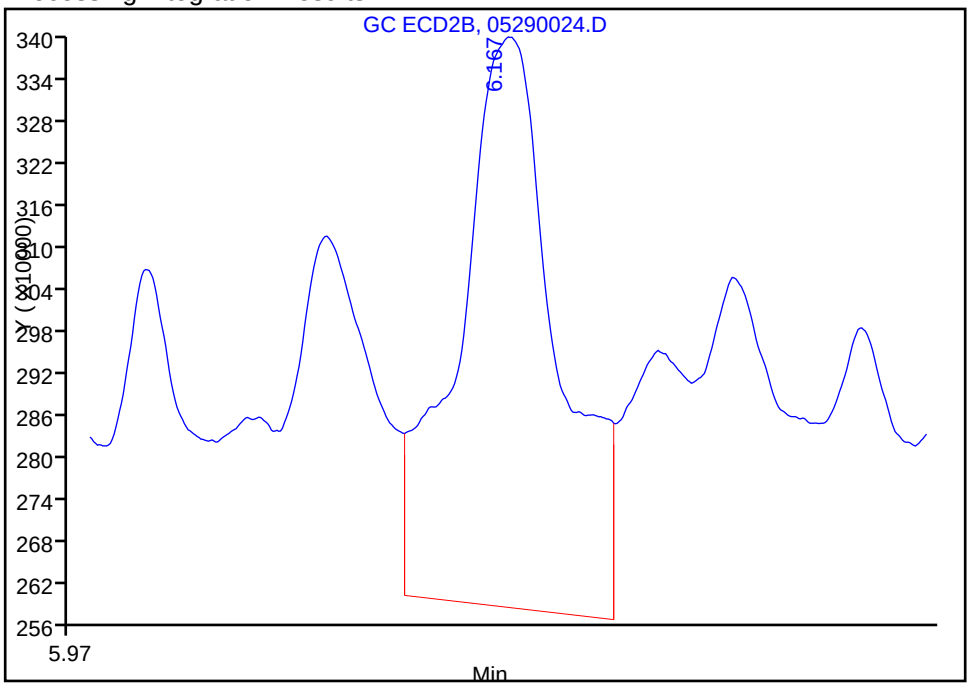
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290024.D		
Injection Date:	29-May-2013 20:02:09	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0212AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	24
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

23 gamma-Chlordane, Signal: 2, Type: quant, RT: 6.17, Det: GC ECD2B

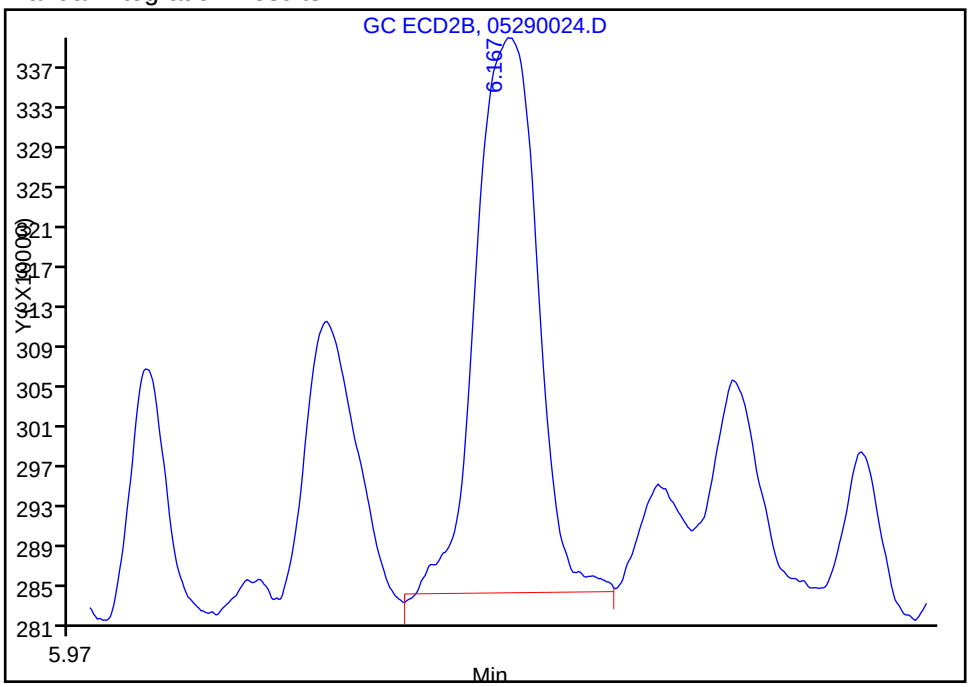
Processing Integration Results

RT: 6.17
Response: 2499872
Amount: 1.207017



Manual Integration Results

RT: 6.17
Response: 1057464
Amount: 0.142577



Reviewer: wellsd, 30-May-2013 07:25:29
Audit Action: Assigned New Baseline
Audit Reason: Baseline Smoothing

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0304AA | Lab Sample ID: 280-42047-7

Matrix: Solid | Lab File ID: 05290035.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:12

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.3(g) | Date Analyzed: 05/29/2013 23:03

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 10.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-55-9	4,4'-DDE	13	Q	1.8	0.49	0.25
309-00-2	Aldrin	0.49	U Q	1.8	0.49	0.27
5103-71-9	alpha-Chlordane	4.2	Q	1.8	0.49	0.35
959-98-8	Endosulfan I	0.49	U Q	1.8	0.49	0.19
33213-65-9	Endosulfan II	0.49	U Q	1.8	0.49	0.31
1031-07-8	Endosulfan sulfate	0.49	U Q	1.8	0.49	0.30
72-20-8	Endrin	0.49	U Q	1.8	0.49	0.33
7421-93-4	Endrin aldehyde	0.49	U Q	1.8	0.49	0.18
53494-70-5	Endrin ketone	0.74	U Q	1.8	0.74	0.52
5103-74-2	gamma-Chlordane	3.8	Q J	1.8	0.74	0.28
76-44-8	Heptachlor	0.49	U Q	1.8	0.49	0.23
1024-57-3	Heptachlor epoxide	2.0	Q J	1.8	0.74	0.46
8001-35-2	Toxaphene	29	U Q	180	29	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	141	Q	55-130
877-09-8	Tetrachloro-m-xylene	77		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290035.D
Lims ID: 280-42047-A-7-A Client ID: B301SCS0304AA
Inject. Date: 29-May-2013 23:03:29 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 280-42047-A-7-A
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 176329 Lims Sample ID: 35
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:55 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 30-May-2013 07:29:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.767	0.004	18570082	15.3			
2	2	3.847	3.845	0.002	18428732	13.4			
						RPD = 13.54			
10 alpha-BHC									
1	-65	4.339	4.346	-0.007	5009207	3.17			
2	2	4.470	4.470	0.000	119764	-0.2477			
						RPD = 233.87			
11 gamma-BHC (Lindane)									1
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100	4.872	4.864	0.008	1784355	0.9358			
2	2	5.088	5.093	-0.005	540462	-0.0288			
						RPD = 212.71			
15 Heptachlor									
1	100	5.040	5.038	0.002	1417704	0.5490			
2	2	5.137	5.136	0.001	483747	-0.3429			
						RPD = 865.46			
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.870	5.867	0.003	6650519	5.56			
2	2	5.972	5.971	0.001	15136135	10.8			
						RPD = 63.98			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65	6.002	5.999	0.003	12180633	10.6			
2	2	6.162	6.171	-0.009	70687827	51.5			
						RPD = 131.49			
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.142	6.143	-0.001	13276796	11.7			
2	2	6.327	6.325	0.002	17783804	12.9			
						RPD = 9.40			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	45811131	37.7			
2	2	6.503	6.502	0.001	48230710	34.6			
						RPD = 8.64			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100	6.527	6.528	-0.001	8666391	7.40			
2	2	6.672	6.665	0.007	4486852	2.72			
						RPD = 92.39			
30 Endrin									
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.828	6.827	0.001	16951980	19.2			
2	2	7.083	7.083	0.000	22269777	20.2			
						RPD = 4.69			
34 Endosulfan II									
1	100	6.977	6.980	-0.003	1609758	0.8208			
2	2	7.187	7.178	0.009	10382257	8.43			
						RPD = 164.51			
35 4,4'-DDT									
1	-65	7.103	7.101	0.002	160615697	188.2			E
2	2	7.386	7.384	0.002	200063868	210.6			E
						RPD = 11.21			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						
39 Endosulfan sulfate									
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.965	8.962	0.003	22048687	28.3			
2	2	9.421	9.417	0.004	23595809	32.5			
						RPD = 13.98			

QC Flag Legend

Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

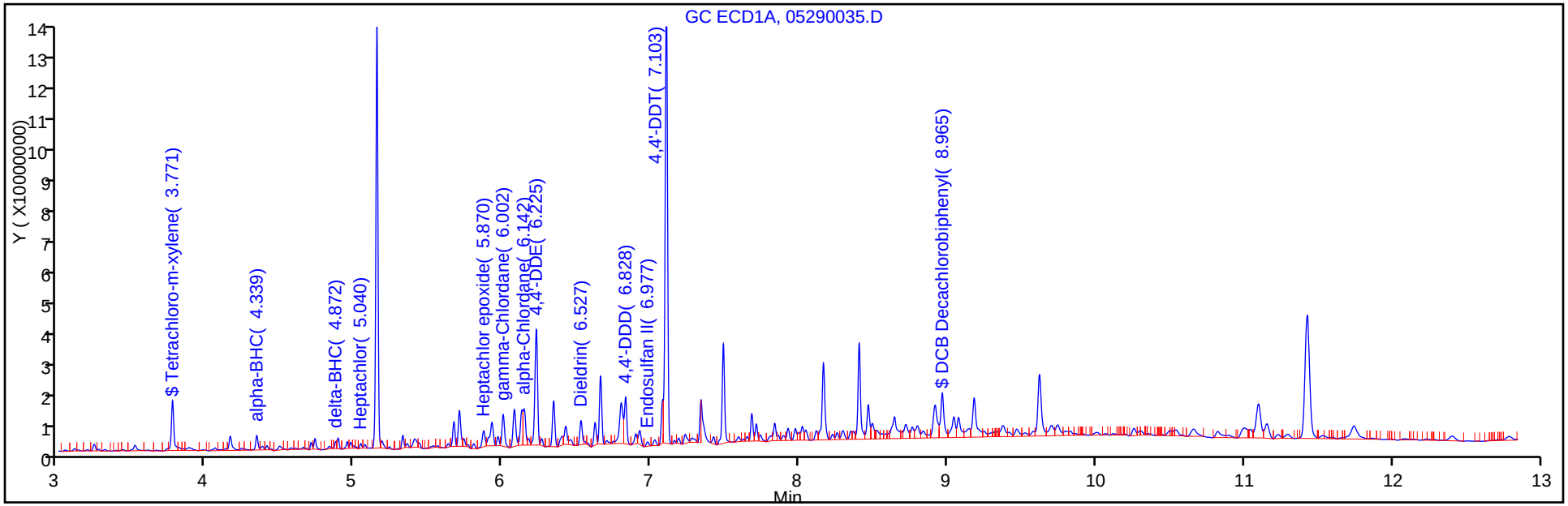
Report Date: 30-May-2013 07:33:04 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

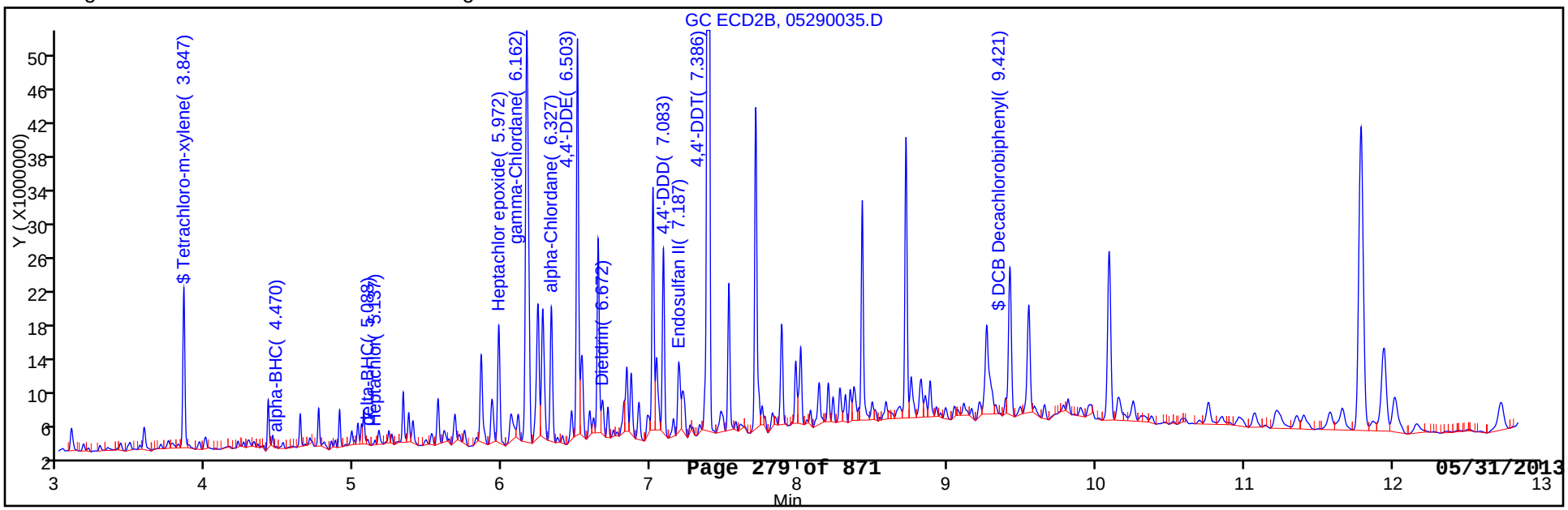
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290035.D

Injection Date:	29-May-2013 23:03:29	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0304AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	35
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0304AA | Lab Sample ID: 280-42047-7

Matrix: Solid | Lab File ID: 05290035.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:12

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.3(g) | Date Analyzed: 05/29/2013 23:03

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 10.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
319-84-6	alpha-BHC	0.49	U Q	1.8	0.49	0.23
319-85-7	beta-BHC	0.74	U Q	1.8	0.74	0.71
319-86-8	delta-BHC	0.74	U Q	1.8	0.74	0.43
60-57-1	Dieldrin	0.97	Q J	1.8	0.49	0.22
58-89-9	gamma-BHC (Lindane)	0.74	U Q	1.8	0.74	0.50

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	163	Q	55-130
877-09-8	Tetrachloro-m-xylene	67	Q	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290035.D		
Lims ID:	280-42047-A-7-A	Client ID:	B301SCS0304AA
Inject. Date:	29-May-2013 23:03:29	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-7-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	29
Lims Batch ID:	176329	Lims Sample ID:	35
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:55	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:29:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.767	0.004	18570082	15.3			
2	2	3.847	3.845	0.002	18428732	13.4			
						RPD = 13.54			
10 alpha-BHC									
1	-65	4.339	4.346	-0.007	5009207	3.17			
2	2	4.470	4.470	0.000	119764	-0.2477			
						RPD = 233.87			
11 gamma-BHC (Lindane)									1
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100	4.872	4.864	0.008	1784355	0.9358			
2	2	5.088	5.093	-0.005	540462	-0.0288			
						RPD = 212.71			
15 Heptachlor									
1	100	5.040	5.038	0.002	1417704	0.5490			
2	2	5.137	5.136	0.001	483747	-0.3429			
						RPD = 865.46			
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.870	5.867	0.003	6650519	5.56			
2	2	5.972	5.971	0.001	15136135	10.8			
						RPD = 63.92			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65	6.002	5.999	0.003	12180633	10.6			
2	2	6.162	6.171	-0.009	70687827	51.5			
						RPD = 131.49			
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.142	6.143	-0.001	13276796	11.7			
2	2	6.327	6.325	0.002	17783804	12.9			
						RPD = 9.40			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	45811131	37.7			
2	2	6.503	6.502	0.001	48230710	34.6			
						RPD = 8.64			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100	6.527	6.528	-0.001	8666391	7.40			
2	2	6.672	6.665	0.007	4486852	2.72			
						RPD = 92.39			
30 Endrin									
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.828	6.827	0.001	16951980	19.2			
2	2	7.083	7.083	0.000	22269777	20.2			
						RPD = 4.69			
34 Endosulfan II									
1	100	6.977	6.980	-0.003	1609758	0.8208			
2	2	7.187	7.178	0.009	10382257	8.43			
						RPD = 164.51			
35 4,4'-DDT									
1	-65	7.103	7.101	0.002	160615697	188.2			E
2	2	7.386	7.384	0.002	200063868	210.6			E
						RPD = 11.21			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						
39 Endosulfan sulfate									
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.965	8.962	0.003	22048687	28.3			
2	2	9.421	9.417	0.004	23595809	32.5			
						RPD = 13.98			

QC Flag Legend

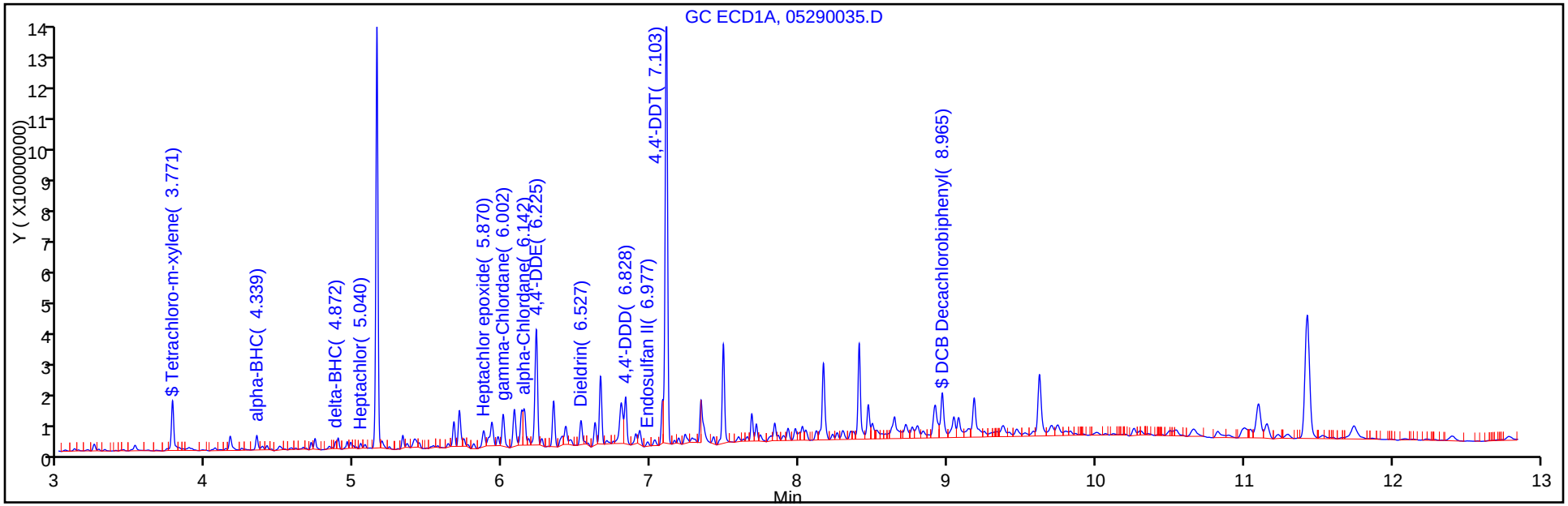
Processing Flags
1 - Missing Peaks
E - Exceeded Maximum Amount

Report Date: 30-May-2013 07:33:04 Chrom Revision: 2.0 25-Apr-2013 12:05:30

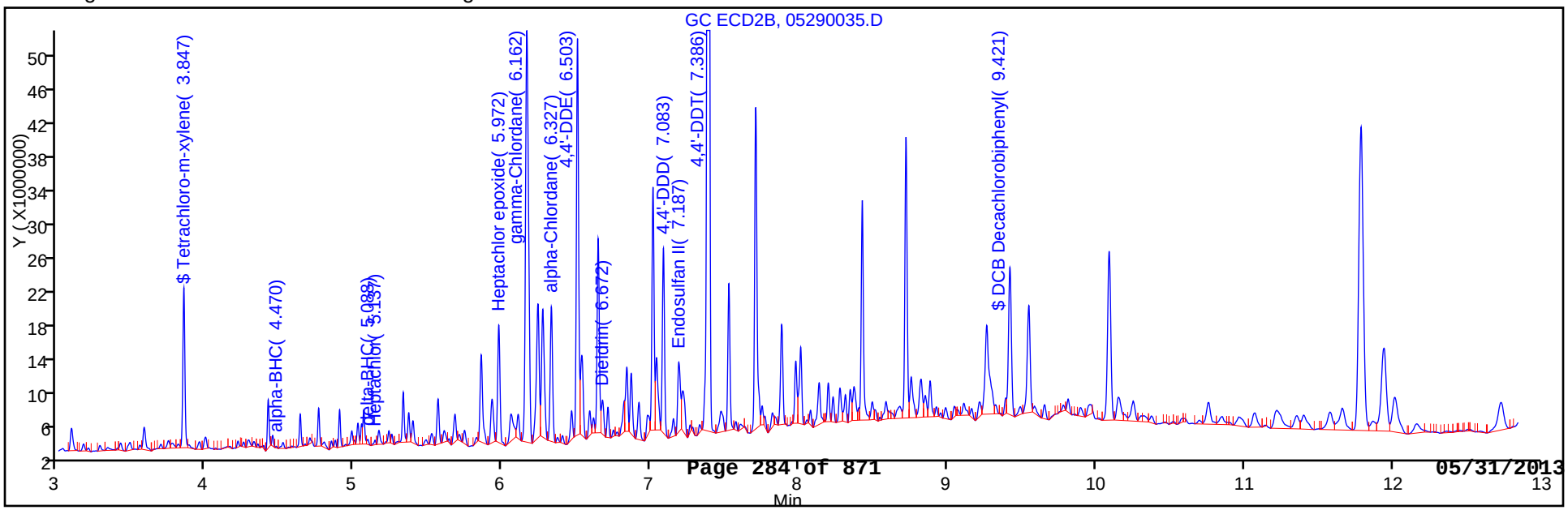
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290035.D		
Injection Date:	29-May-2013 23:03:29	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0304AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	35
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0304AA DL | Lab Sample ID: 280-42047-7 DL

Matrix: Solid | Lab File ID: 05290025.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:12

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.3(g) | Date Analyzed: 05/29/2013 20:18

Con. Extract Vol.: 10000(uL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 10.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	7.4	U	18	7.4	5.8
50-29-3	4,4'-DDT	82	D	21	7.4	6.3
72-43-5	Methoxychlor	7.4	U	35	7.4	4.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	88	D	55-130
877-09-8	Tetrachloro-m-xylene	75	D	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290025.D		
Lims ID:	280-42047-A-7-A	Client ID:	B301SCS0304AA
Inject. Date:	29-May-2013 20:18:44	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	280-42047-A-7-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	176329	Lims Sample ID:	25
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:25:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.768	3.767	0.001	2459416	1.50			
2	2	3.844	3.845	-0.001	2398560	1.20			
						RPD = 21.95			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									1
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.871	5.867	0.004	990020	-0.0252			
2	2	5.971	5.971	0.000	2384603	0.9814			
						RPD = 210.54			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65	6.001	5.999	0.002	1715988	0.8878			
2	2	6.171	6.171	0.000	3881752	2.23			
						RPD = 85.98			
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.142	6.143	-0.001	1829359	0.9590			
2	2	6.326	6.325	0.001	2504532	1.23			
						RPD = 24.56			
25 4,4'-DDE									
1	-65	6.224	6.225	-0.001	5442805	4.06			
2	2	6.503	6.502	0.001	6253762	4.12			
						RPD = 1.54			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100	6.526	6.528	-0.002	1377029	0.5846			
2	2	6.671	6.665	0.006	700272	-0.1123			
						RPD = 295.06			
30 Endrin									
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.827	6.827	0.000	2040880	1.59			
2	2	7.083	7.083	0.000	2733477	2.01			
						RPD = 23.38			
34 Endosulfan II									
1	100	6.978	6.980	-0.002	272241	-0.6622			
2	2	7.188	7.178	0.010	1498955	0.4691			
						RPD = -1171.75			
35 4,4'-DDT									
1	-65	7.103	7.101	0.002	19893150	22.9			
2	2	7.385	7.384	0.001	24627748	25.7			
						RPD = 11.20			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						
39 Endosulfan sulfate									
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.962	0.002	2144969	1.76			
2	2	9.420	9.417	0.003	2912392	2.91			
						RPD = 49.12			

QC Flag Legend

Processing Flags
1 - Missing Peaks

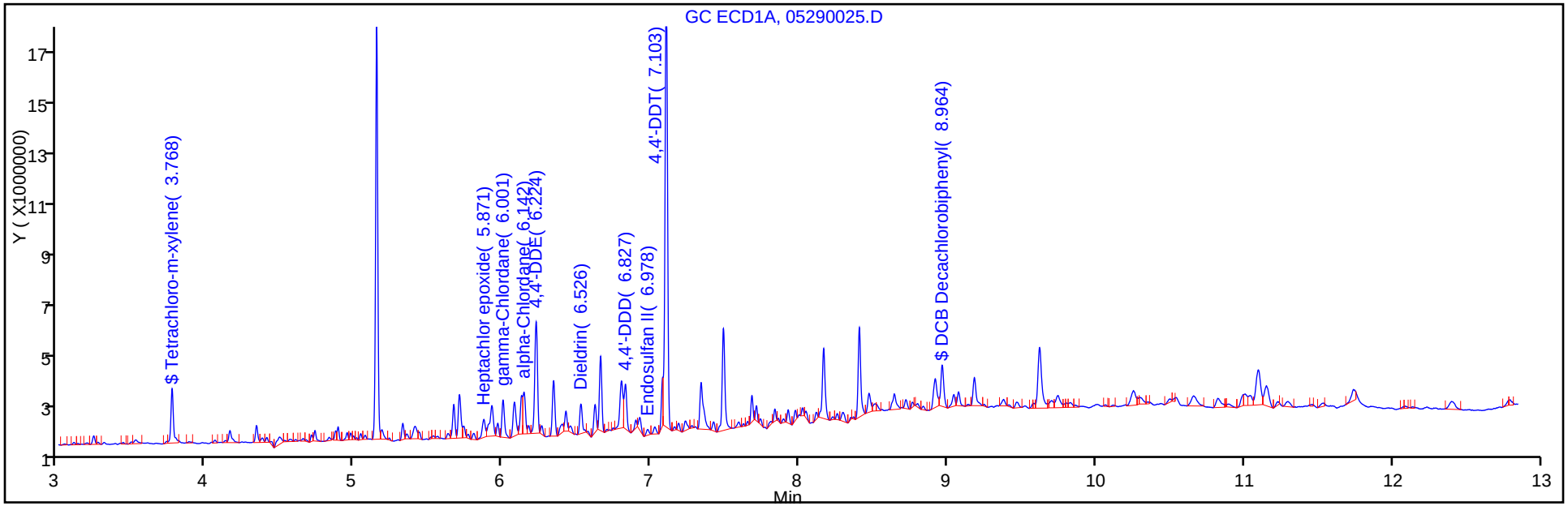
Report Date: 30-May-2013 07:32:50 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

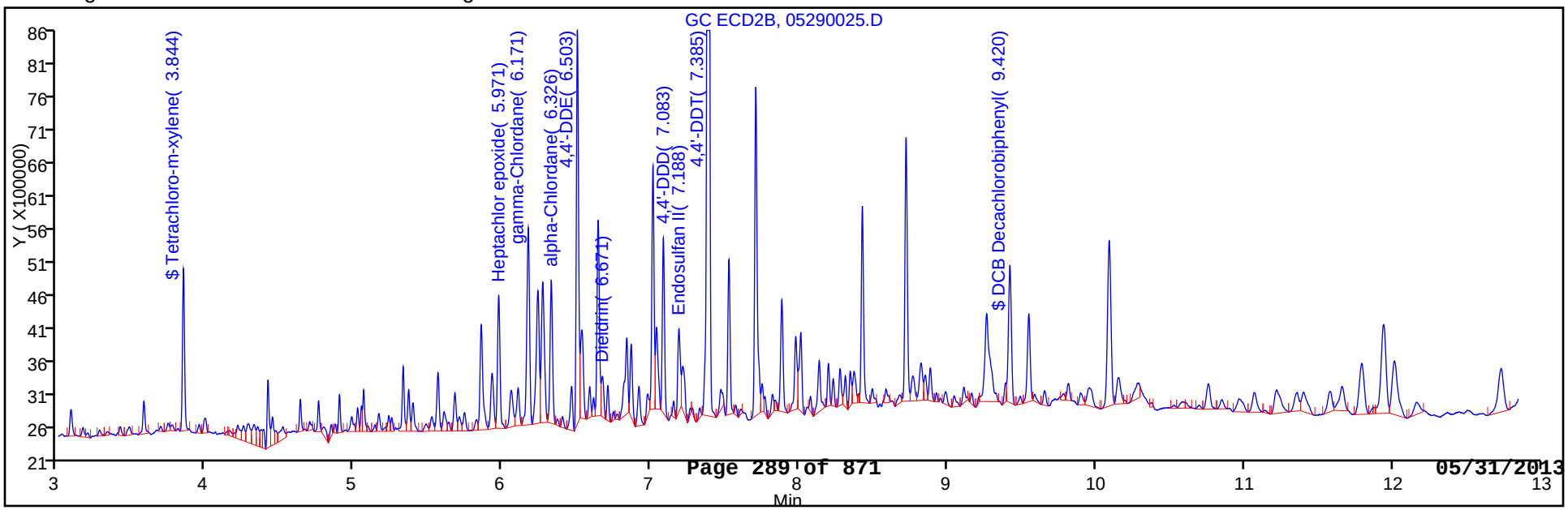
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290025.D

Injection Date:	29-May-2013 20:18:44	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0304AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	25
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0304AA DL Lab Sample ID: 280-42047-7 DL

Matrix: Solid Lab File ID: 05290025.D

Analysis Method: 8081B Date Collected: 05/06/2013 10:12

Extraction Method: 3546 Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.3(g) Date Analyzed: 05/29/2013 20:18

Con. Extract Vol.: 10000(uL) Dilution Factor: 10

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

% Moisture: 10.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	146	*D Q*	55-130
877-09-8	Tetrachloro-m-xylene	60	*D Q*	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290025.D		
Lims ID:	280-42047-A-7-A	Client ID:	B301SCS0304AA
Inject. Date:	29-May-2013 20:18:44	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	280-42047-A-7-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	176329	Lims Sample ID:	25
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:25:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.768	3.767	0.001	2459416	1.50			
2	2	3.844	3.845	-0.001	2398560	1.20			
						RPD = 21.95			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									1
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.871	5.867	0.004	990020	-0.0252			
2	2	5.971	5.971	0.000	2384603	0.9814			
						RPD = 210.54			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65	6.001	5.999	0.002	1715988	0.8878			
2	2	6.171	6.171	0.000	3881752	2.23			
						RPD = 85.98			
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.142	6.143	-0.001	1829359	0.9590			
2	2	6.326	6.325	0.001	2504532	1.23			
						RPD = 24.56			
25 4,4'-DDE									
1	-65	6.224	6.225	-0.001	5442805	4.06			
2	2	6.503	6.502	0.001	6253762	4.12			
						RPD = 1.54			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100	6.526	6.528	-0.002	1377029	0.5846			
2	2	6.671	6.665	0.006	700272	-0.1123			
						RPD = 295.06			
30 Endrin									
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.827	6.827	0.000	2040880	1.59			
2	2	7.083	7.083	0.000	2733477	2.01			
						RPD = 23.38			
34 Endosulfan II									
1	100	6.978	6.980	-0.002	272241	-0.6622			
2	2	7.188	7.178	0.010	1498955	0.4691			
						RPD = -1171.75			
35 4,4'-DDT									
1	-65	7.103	7.101	0.002	19893150	22.9			
2	2	7.385	7.384	0.001	24627748	25.7			
						RPD = 11.20			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						
39 Endosulfan sulfate									
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.962	0.002	2144969	1.76			
2	2	9.420	9.417	0.003	2912392	2.91			
						RPD = 49.12			

QC Flag Legend

Processing Flags
1 - Missing Peaks

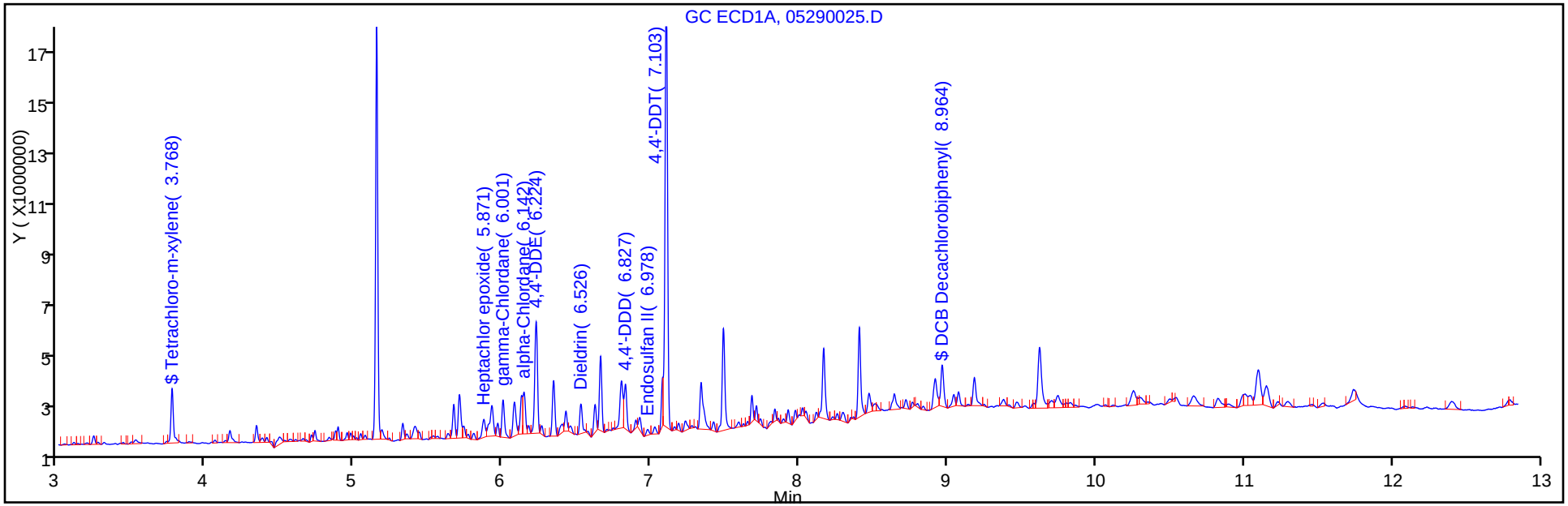
Report Date: 30-May-2013 07:32:51 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

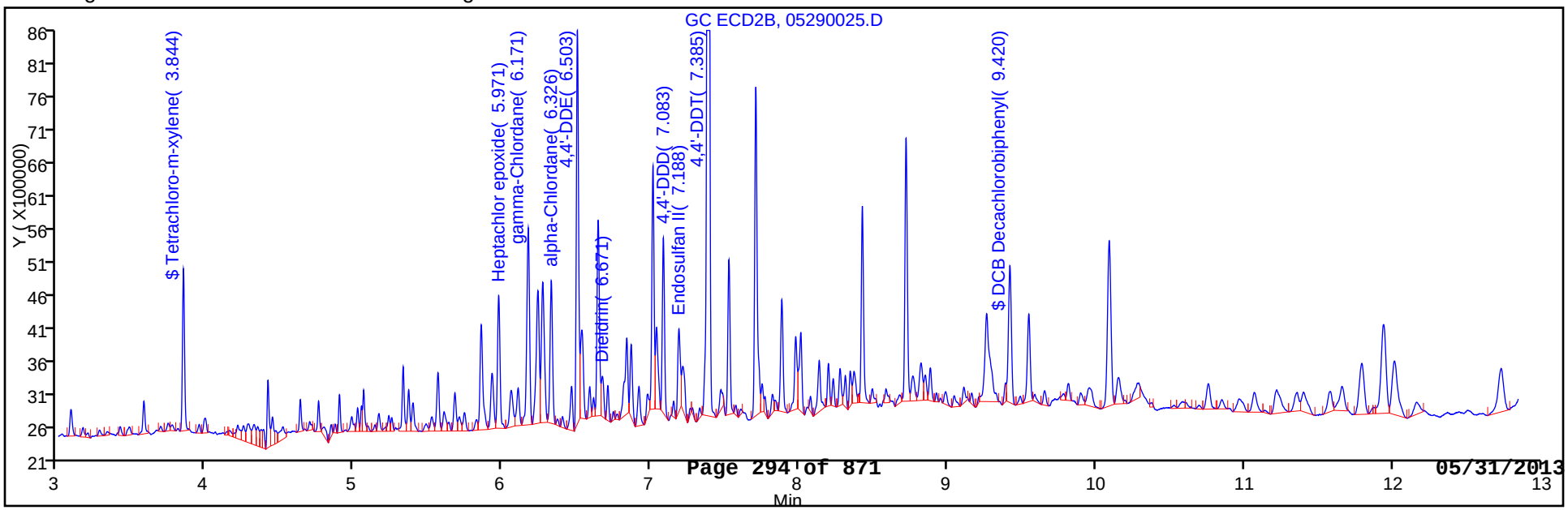
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290025.D

Injection Date:	29-May-2013 20:18:44	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0304AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	25
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0308AA | Lab Sample ID: 280-42047-8

Matrix: Solid | Lab File ID: 05290036.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:16

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.9(g) | Date Analyzed: 05/29/2013 23:19

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-55-9	4,4'-DDE	3.9	Q	1.8	0.50	0.26
309-00-2	Aldrin	0.50	U Q	1.8	0.50	0.27
5103-71-9	alpha-Chlordane	1.3	J Q	1.8	0.50	0.35
60-57-1	Dieldrin	0.99	J Q	1.8	0.50	0.23
959-98-8	Endosulfan I	0.50	U Q	1.8	0.50	0.19
33213-65-9	Endosulfan II	0.50	U Q	1.8	0.50	0.31
1031-07-8	Endosulfan sulfate	0.50	U Q	1.8	0.50	0.30
72-20-8	Endrin	0.50	U Q	1.8	0.50	0.33
7421-93-4	Endrin aldehyde	0.50	U Q	1.8	0.50	0.19
53494-70-5	Endrin ketone	0.75	U Q	1.8	0.75	0.53
5103-74-2	gamma-Chlordane	0.75	U Q	1.8	0.75	0.29
76-44-8	Heptachlor	0.50	U Q	1.8	0.50	0.23
1024-57-3	Heptachlor epoxide	0.53	J Q	1.8	0.75	0.46
8001-35-2	Toxaphene	29	U Q J	180	29	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	100		55-130
877-09-8	Tetrachloro-m-xylene	69	Q	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290036.D		
Lims ID:	280-42047-C-8-A	Client ID:	B301SCS0308AA
Inject. Date:	29-May-2013 23:19:57	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-C-8-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	30
Lims Batch ID:	176329	Lims Sample ID:	36
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:55	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:29:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.767	0.004	16741249	13.8			
2	2	3.846	3.845	0.001	20289419	14.8			
						RPD = 7.28			
10 alpha-BHC									
1	-65	4.339	4.346	-0.007	3276750	1.92			
2	2	4.475	4.470	0.005	601267	0.0218			
						RPD = 195.52			
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									1
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100	5.040	5.038	0.002	1065367	0.2189			
2	2	5.136	5.136	0.000	274499	-0.4967			
						RPD = -515.15			
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.868	5.867	0.001	2499218	1.46			
2	2	5.972	5.971	0.001	2801429	1.30			
						RPD = 11.64			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65		5.999						
2	2		6.171						
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.140	6.143	-0.003	4543647	3.51			
2	2	6.326	6.325	0.001	6966564	4.63			
						RPD = 27.49			
25 4,4'-DDE									
1	-65	6.224	6.225	-0.001	13479335	10.8			
2	2	6.503	6.502	0.001	15506415	10.8			
						RPD = 0.73			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100	6.528	6.528	0.000	3671354	2.73			
2	2	6.668	6.665	0.003	3348992	1.87			
						RPD = 37.33			
30 Endrin									1
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.827	6.827	0.000	7491185	8.05			
2	2	7.083	7.083	0.000	9119727	7.95			
						RPD = 1.20			
34 Endosulfan II									
1	100	6.975	6.980	-0.005	520233	-0.3872			
2	2	7.187	7.178	0.009	1871434	0.8029			
						RPD = 572.65			
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	26207046	30.4			
2	2	7.385	7.384	0.001	33761668	35.3			
						RPD = 15.03			
36 Endrin aldehyde									
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.963	8.962	0.001	15758289	19.9			
2	2	9.418	9.417	0.001	14471030	19.5			
						RPD = 2.22			

QC Flag Legend

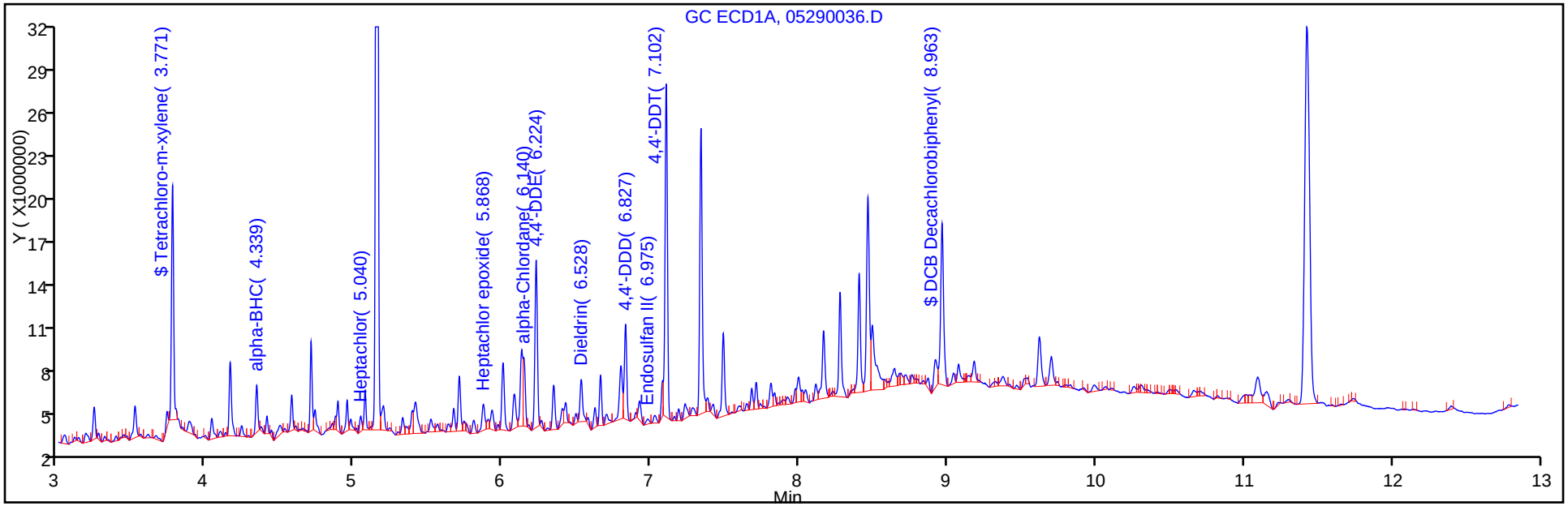
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Report Date: 30-May-2013 07:33:05 Chrom Revision: 2.0 25-Apr-2013 12:05:30

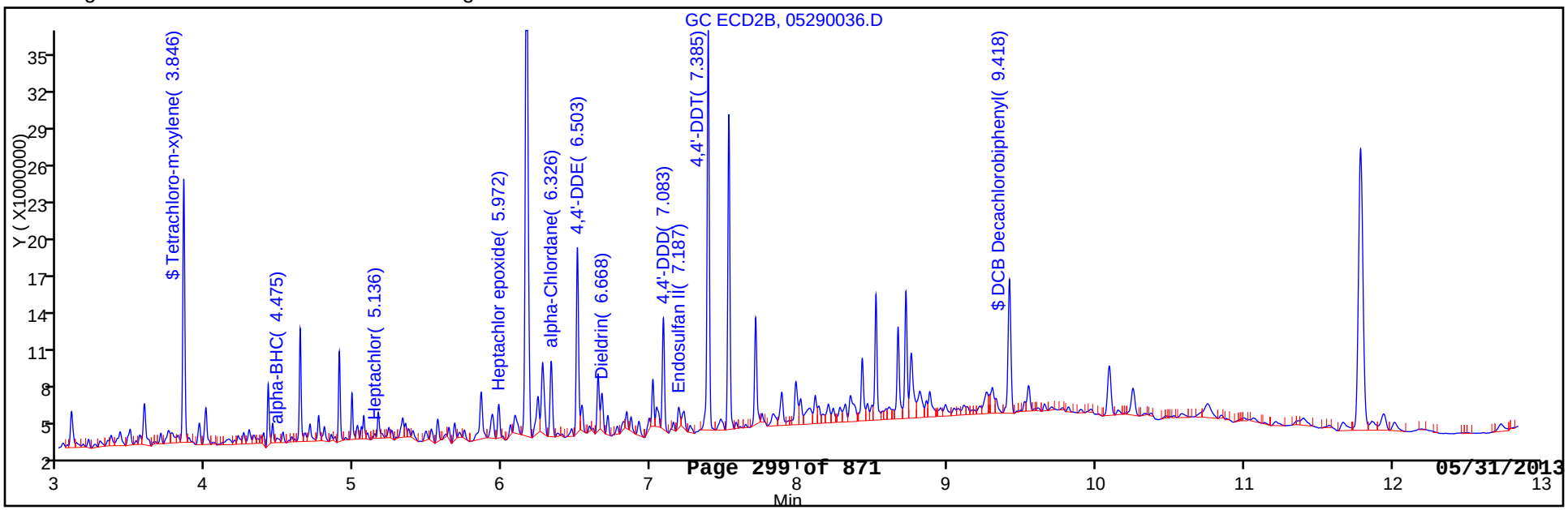
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290036.D		
Injection Date:	29-May-2013 23:19:57	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0308AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	36
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0308AA | Lab Sample ID: 280-42047-8

Matrix: Solid | Lab File ID: 05290036.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:16

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.9(g) | Date Analyzed: 05/29/2013 23:19

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
319-84-6	alpha-BHC	0.50	U	1.8	0.50	0.23
319-85-7	beta-BHC	0.75	U	1.8	0.75	0.72
319-86-8	delta-BHC	0.75	U	1.8	0.75	0.43
58-89-9	gamma-BHC (Lindane)	0.75	U	1.8	0.75	0.50

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	97		55-130
877-09-8	Tetrachloro-m-xylene	74		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290036.D		
Lims ID:	280-42047-C-8-A	Client ID:	B301SCS0308AA
Inject. Date:	29-May-2013 23:19:57	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-C-8-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	30
Lims Batch ID:	176329	Lims Sample ID:	36
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:55	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:29:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.767	0.004	16741249	13.8			
2	2	3.846	3.845	0.001	20289419	14.8			
						RPD = 7.28			
10 alpha-BHC									
1	-65	4.339	4.346	-0.007	3276750	1.92			
2	2	4.475	4.470	0.005	601267	0.0218			
						RPD = 195.52			
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									1
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100	5.040	5.038	0.002	1065367	0.2189			
2	2	5.136	5.136	0.000	274499	-0.4967			
						RPD = -515.15			
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.868	5.867	0.001	2499218	1.46			
2	2	5.972	5.971	0.001	2801429	1.30			
						RPD = 11.64			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65		5.999						
2	2		6.171						
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.140	6.143	-0.003	4543647	3.51			
2	2	6.326	6.325	0.001	6966564	4.63			
						RPD = 27.49			
25 4,4'-DDE									
1	-65	6.224	6.225	-0.001	13479335	10.8			
2	2	6.503	6.502	0.001	15506415	10.8			
						RPD = 0.73			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100	6.528	6.528	0.000	3671354	2.73			
2	2	6.668	6.665	0.003	3348992	1.87			
						RPD = 37.33			
30 Endrin									1
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.827	6.827	0.000	7491185	8.05			
2	2	7.083	7.083	0.000	9119727	7.95			
						RPD = 1.20			
34 Endosulfan II									
1	100	6.975	6.980	-0.005	520233	-0.3872			
2	2	7.187	7.178	0.009	1871434	0.8029			
						RPD = 572.65			
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	26207046	30.4			
2	2	7.385	7.384	0.001	33761668	35.3			
						RPD = 15.03			
36 Endrin aldehyde									
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.963	8.962	0.001	15758289	19.9			
2	2	9.418	9.417	0.001	14471030	19.5			
						RPD = 2.22			

QC Flag Legend

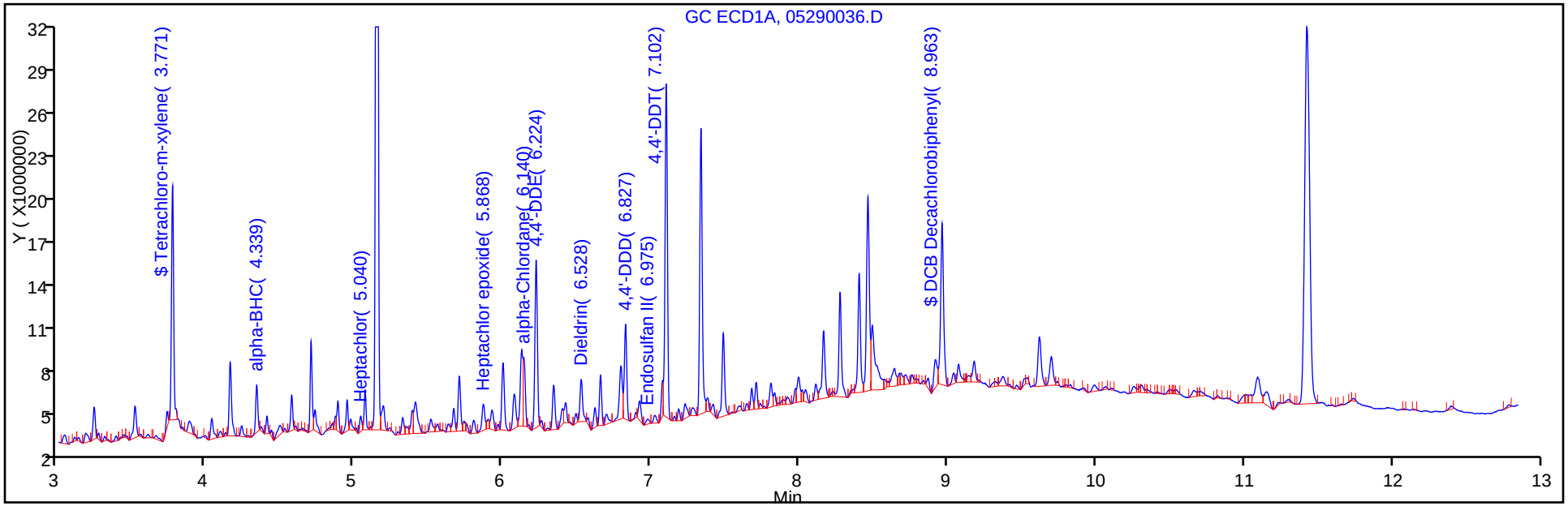
Processing Flags
1 - Missing Peaks

Report Date: 30-May-2013 07:33:05 Chrom Revision: 2.0 25-Apr-2013 12:05:30

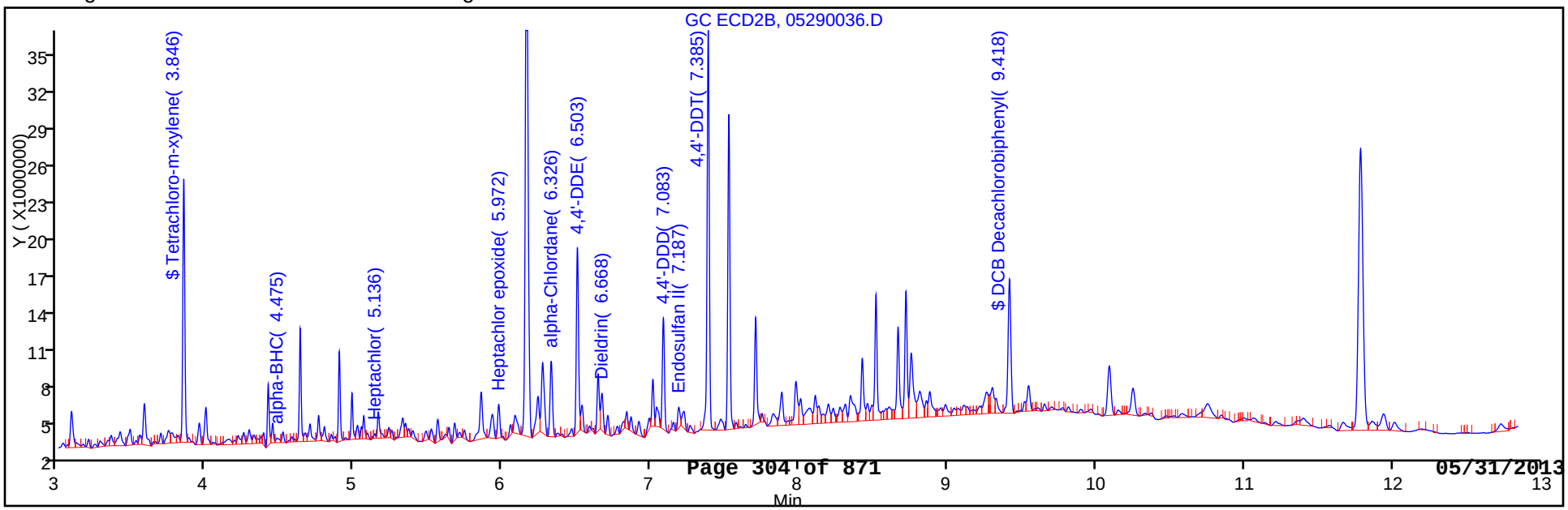
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290036.D		
Injection Date:	29-May-2013 23:19:57	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0308AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	36
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0308AA DL | Lab Sample ID: 280-42047-8 DL

Matrix: Solid | Lab File ID: 05290026.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:16

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.9(g) | Date Analyzed: 05/29/2013 20:35

Con. Extract Vol.: 10000(uL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	7.5	U Q	18	7.5	5.9
50-29-3	4,4'-DDT	13	J D Q	22	7.5	6.4
72-43-5	Methoxychlor	7.5	U Q	36	7.5	4.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	81	D	55-130
877-09-8	Tetrachloro-m-xylene	69	D Q	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290026.D		
Lims ID:	280-42047-C-8-A	Client ID:	B301SCS0308AA
Inject. Date:	29-May-2013 20:35:12	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	280-42047-C-8-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	176329	Lims Sample ID:	26
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:26:00

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.769	3.767	0.002	2308022	1.37			
2	2	3.845	3.845	0.000	2413743	1.22			
						RPD = 12.02			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									1
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65		5.867						
2	2		5.971						
23 gamma-Chlordane									
1	-65	6.000	5.999	0.001	793694	0.0275			
2	2	6.170	6.171	-0.001	1938759	0.7929			
						RPD = 186.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.142	6.143	-0.001	544727	-0.2493			
2	2	6.326	6.325	0.001	1117821	0.1697			
						RPD = -1052.85			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	1753578	0.9866			
2	2	6.502	6.502	0.000	2120211	1.12			
						RPD = 13.09			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100		6.528						
2	2		6.665						
30 Endrin									1
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.827	6.827	0.000	1083137	0.4587			
2	2	7.082	7.083	-0.001	1288769	0.6716			
						RPD = 37.67			
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	3471220	3.65			
2	2	7.385	7.384	0.001	4289386	4.23			
						RPD = 14.51			
36 Endrin aldehyde									
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									
1	-65		7.562						
2	2		8.031						
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.962	0.002	2042645	1.63			
2	2	9.418	9.417	0.001	1897454	1.46			
						RPD = 11.01			

QC Flag Legend

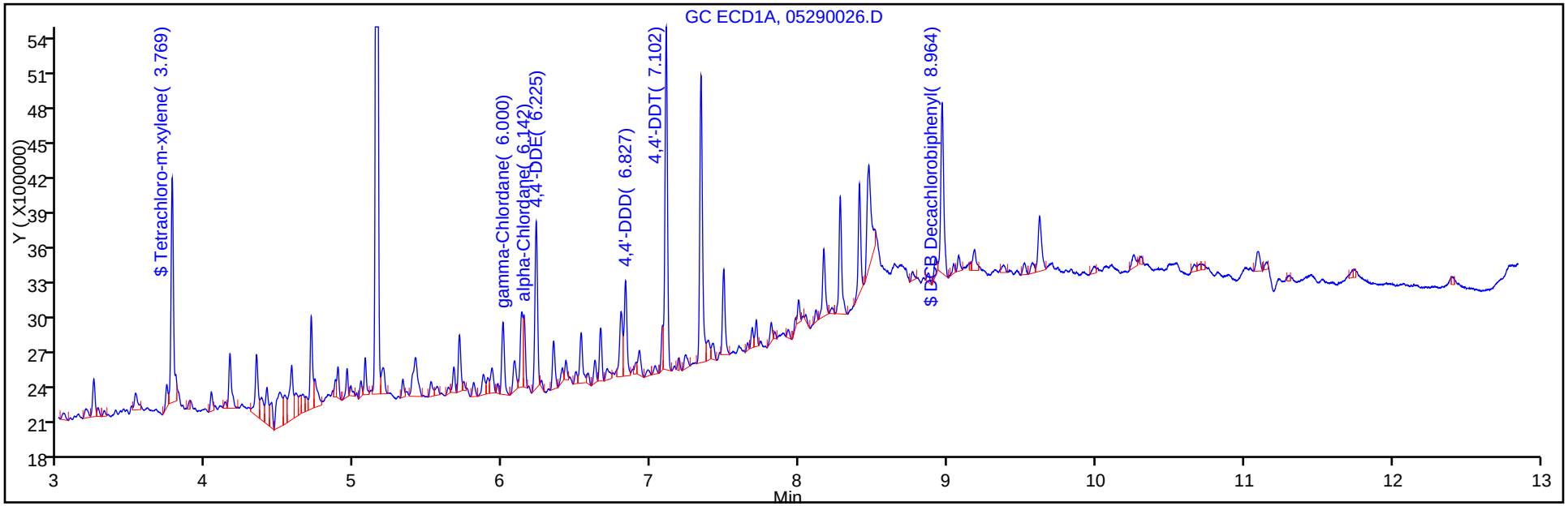
Processing Flags
1 - Missing Peaks

Report Date: 30-May-2013 07:32:51 Chrom Revision: 2.0 25-Apr-2013 12:05:30

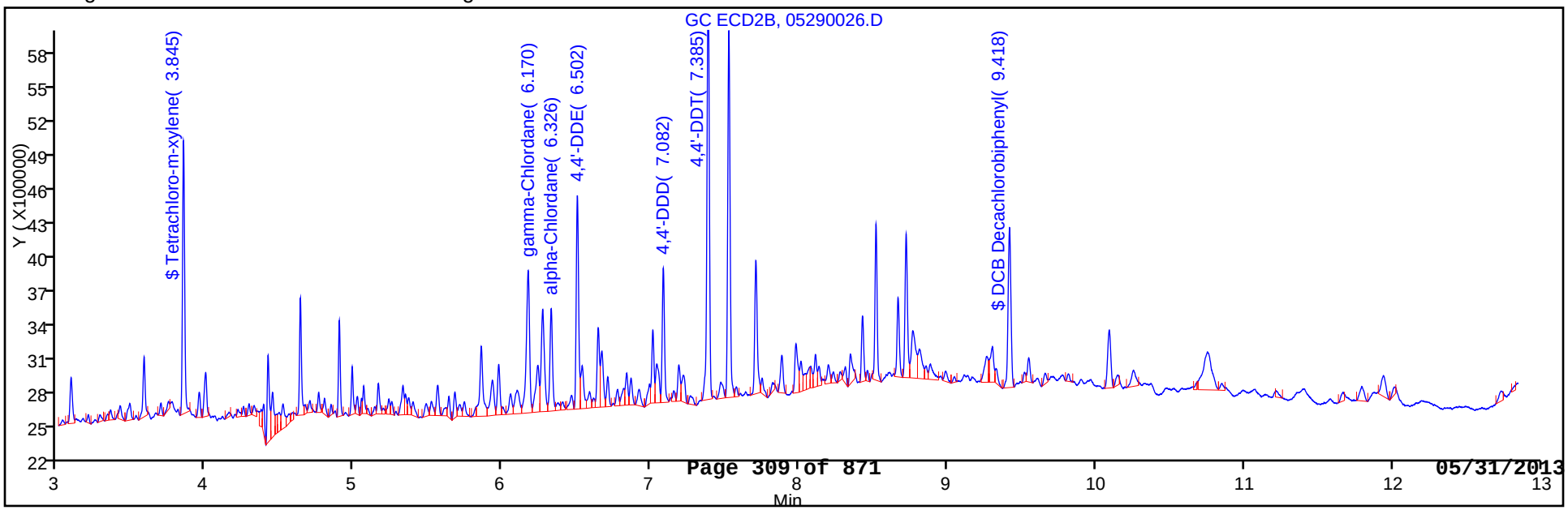
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290026.D		
Injection Date:	29-May-2013 20:35:12	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0308AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0308AA DL | Lab Sample ID: 280-42047-8 DL

Matrix: Solid | Lab File ID: 05290026.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:16

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.9(g) | Date Analyzed: 05/29/2013 20:35

Con. Extract Vol.: 10000(uL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	73	*D*	55-130
877-09-8	Tetrachloro-m-xylene	61	*D Q*	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290026.D		
Lims ID:	280-42047-C-8-A	Client ID:	B301SCS0308AA
Inject. Date:	29-May-2013 20:35:12	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	280-42047-C-8-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	176329	Lims Sample ID:	26
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:26:00

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.769	3.767	0.002	2308022	1.37			
2	2	3.845	3.845	0.000	2413743	1.22			
						RPD = 12.02			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									1
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65		5.867						
2	2		5.971						
23 gamma-Chlordane									
1	-65	6.000	5.999	0.001	793694	0.0275			
2	2	6.170	6.171	-0.001	1938759	0.7929			
						RPD = 186.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.142	6.143	-0.001	544727	-0.2493			
2	2	6.326	6.325	0.001	1117821	0.1697			
						RPD = -1052.85			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	1753578	0.9866			
2	2	6.502	6.502	0.000	2120211	1.12			
						RPD = 13.09			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100		6.528						
2	2		6.665						
30 Endrin									1
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.827	6.827	0.000	1083137	0.4587			
2	2	7.082	7.083	-0.001	1288769	0.6716			
						RPD = 37.67			
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	3471220	3.65			
2	2	7.385	7.384	0.001	4289386	4.23			
						RPD = 14.51			
36 Endrin aldehyde									
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									
1	-65		7.562						
2	2		8.031						
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.962	0.002	2042645	1.63			
2	2	9.418	9.417	0.001	1897454	1.46			
						RPD = 11.01			

QC Flag Legend

Processing Flags
1 - Missing Peaks

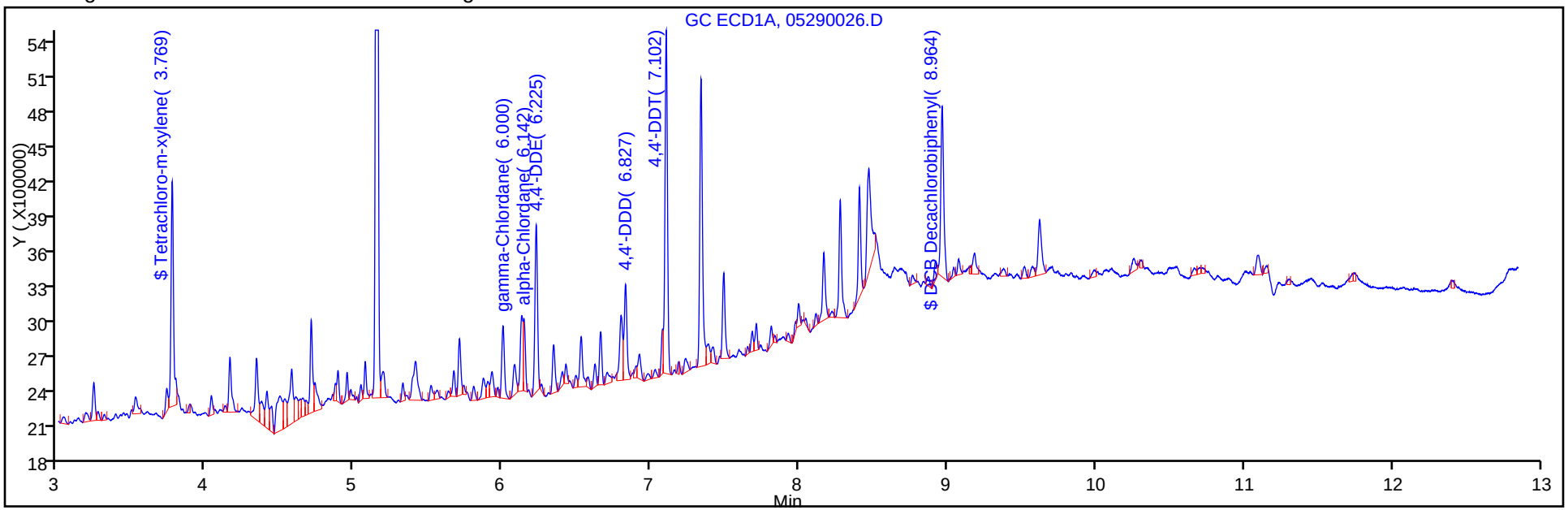
Report Date: 30-May-2013 07:32:52 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

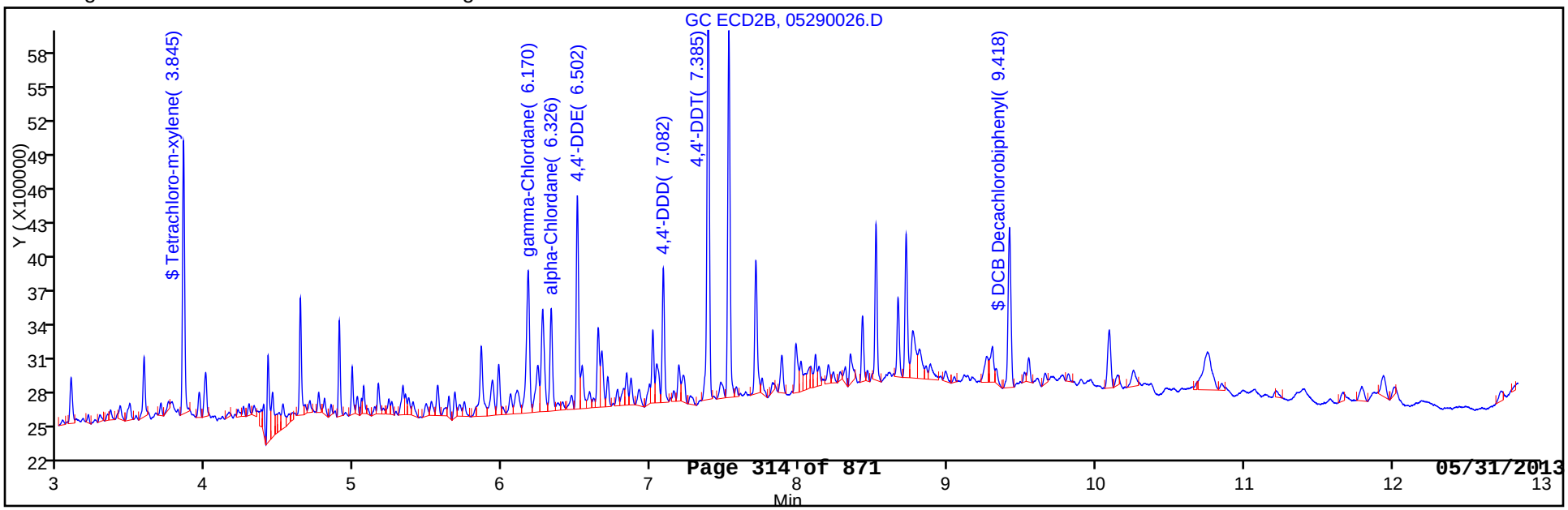
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290026.D

Injection Date:	29-May-2013 20:35:12	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0308AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0312AA | Lab Sample ID: 280-42047-9

Matrix: Solid | Lab File ID: 05290041.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:29

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.0(g) | Date Analyzed: 05/30/2013 00:42

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 7.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-55-9	4,4'-DDE	2.4		1.8	0.48	0.25
309-00-2	Aldrin	0.48	U	1.8	0.48	0.26
5103-71-9	alpha-Chlordane	0.51	J	1.8	0.48	0.34
959-98-8	Endosulfan I	0.48	U	1.8	0.48	0.18
33213-65-9	Endosulfan II	0.48	U	1.8	0.48	0.30
1031-07-8	Endosulfan sulfate	0.48	U	1.8	0.48	0.29
72-20-8	Endrin	0.48	U	1.8	0.48	0.32
7421-93-4	Endrin aldehyde	0.48	U	1.8	0.48	0.18
53494-70-5	Endrin ketone	0.72	U	1.8	0.72	0.51
5103-74-2	gamma-Chlordane	0.72	U	1.8	0.72	0.28
76-44-8	Heptachlor	0.48	U	1.8	0.48	0.22
1024-57-3	Heptachlor epoxide	0.72	U	1.8	0.72	0.45
8001-35-2	Toxaphene	28	U Q	180	28	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	99		55-130
877-09-8	Tetrachloro-m-xylene	92		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290041.D		
Lims ID:	280-42047-A-9-A	Client ID:	B301SCS0312AA
Inject. Date:	30-May-2013 00:42:17	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-9-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	35
Lims Batch ID:	176329	Lims Sample ID:	41
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:55	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:31:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.767	0.004	22144208	18.4			
2	2	3.847	3.845	0.002	21012480	15.4			
						RPD = 18.07			
10 alpha-BHC									
1	-65	4.339	4.346	-0.007	1955679	0.9673			
2	2	4.472	4.470	0.002	692282	0.0727			
						RPD = 172.04			
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100	4.869	4.864	0.005	686763	0.0570			
2	2	5.088	5.093	-0.005	812054	0.1423			
						RPD = 85.59			
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.870	5.867	0.003	1526790	0.5040			
2	2	5.972	5.971	0.001	3065427	1.50			
						RPD = 99.63			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65		5.999						
2	2		6.171						
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.143	6.143	0.000	2355504	1.45			
2	2	6.327	6.325	0.002	4088901	2.44			
						RPD = 50.50			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	8824067	6.88			
2	2	6.503	6.502	0.001	11049132	7.60			
						RPD = 10.00			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100	6.528	6.528	0.000	2029505	1.19			
2	2	6.669	6.665	0.004	1753817	0.6762			
						RPD = 55.39			
30 Endrin									1
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.828	6.827	0.001	6345739	6.69			
2	2	7.083	7.083	0.000	8933822	7.78			
						RPD = 15.03			
34 Endosulfan II									
1	100	6.978	6.980	-0.002	401064	-0.5194			
2	2	7.187	7.178	0.009	2247943	1.14			
						RPD = 534.57			
35 4,4'-DDT									
1	-65	7.103	7.101	0.002	32681893	38.0			
2	2	7.384	7.384	0.000	40517809	42.4			
						RPD = 11.07			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.963	8.962	0.001	15711581	19.8			
2	2	9.417	9.417	0.000	16174013	21.9			
						RPD = 9.89			

QC Flag Legend

Processing Flags
1 - Missing Peaks

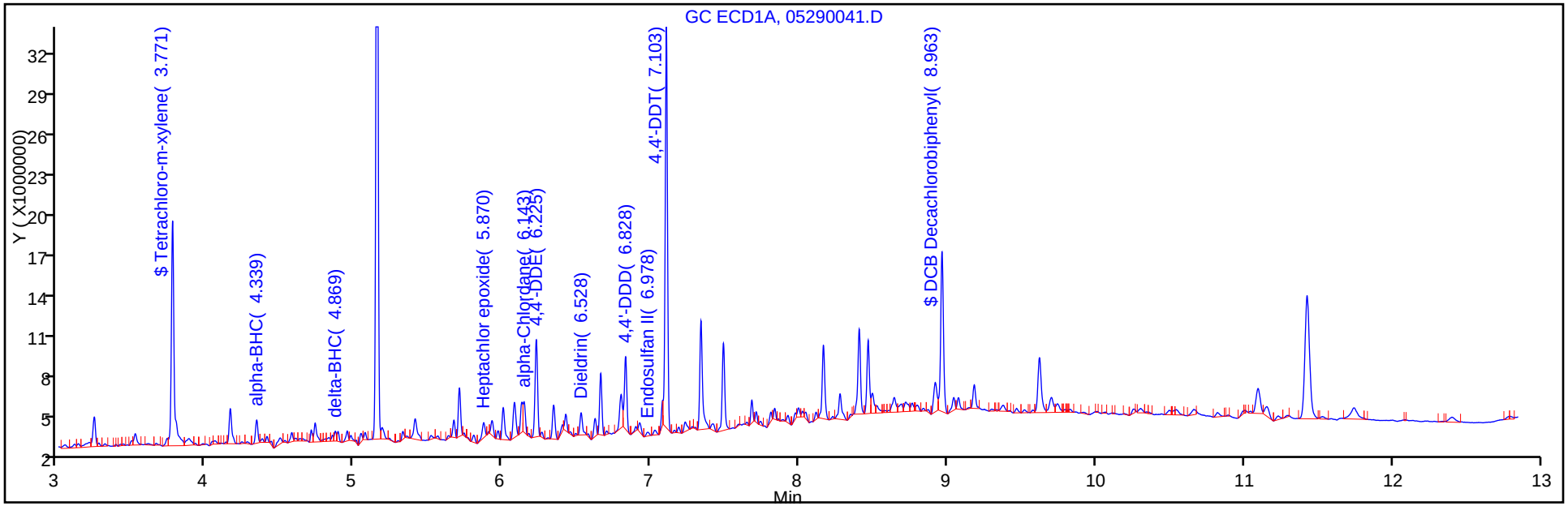
Report Date: 30-May-2013 07:33:13 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

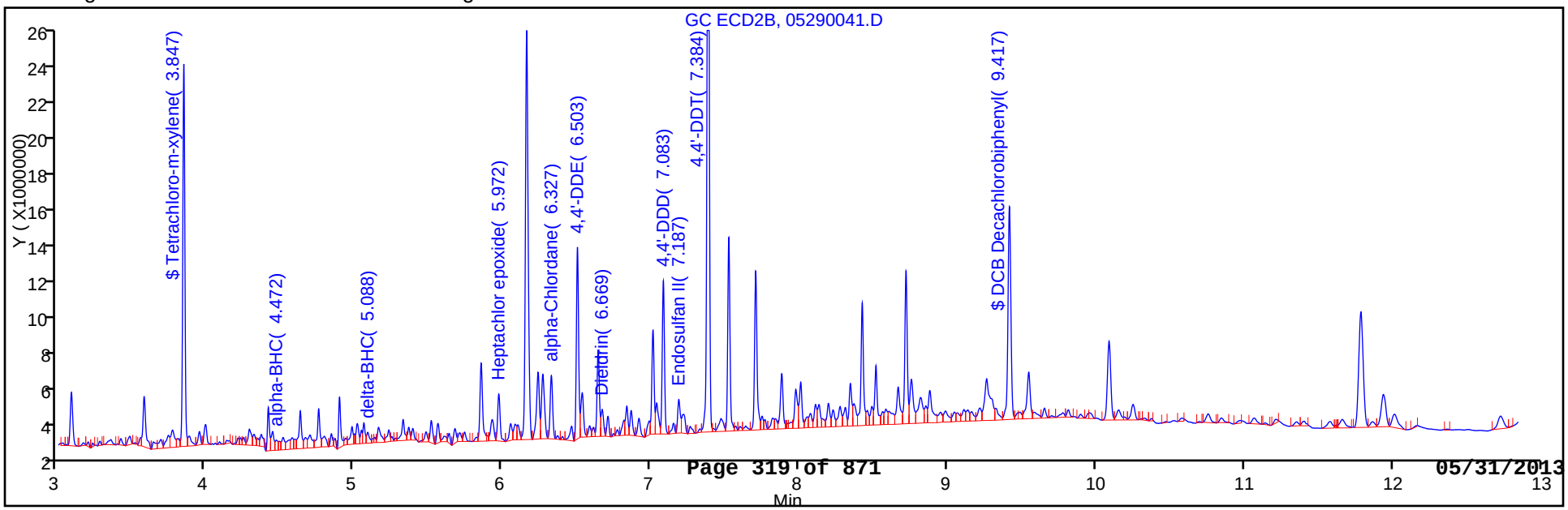
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290041.D

Injection Date:	30-May-2013 00:42:17	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0312AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	41
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0312AA | Lab Sample ID: 280-42047-9

Matrix: Solid | Lab File ID: 05290041.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:29

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.0(g) | Date Analyzed: 05/30/2013 00:42

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 7.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
319-84-6	alpha-BHC	0.48	U	1.8	0.48	0.22
319-85-7	beta-BHC	0.72	U	1.8	0.72	0.70
319-86-8	delta-BHC	0.72	U	1.8	0.72	0.42
60-57-1	Dieldrin	0.24	J	1.8	0.48	0.22
58-89-9	gamma-BHC (Lindane)	0.72	U	1.8	0.72	0.49

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	110		55-130
877-09-8	Tetrachloro-m-xylene	77		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290041.D		
Lims ID:	280-42047-A-9-A	Client ID:	B301SCS0312AA
Inject. Date:	30-May-2013 00:42:17	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-9-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	35
Lims Batch ID:	176329	Lims Sample ID:	41
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:55	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:31:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.767	0.004	22144208	18.4			
2	2	3.847	3.845	0.002	21012480	15.4			
						RPD = 18.07			
10 alpha-BHC									
1	-65	4.339	4.346	-0.007	1955679	0.9673			
2	2	4.472	4.470	0.002	692282	0.0727			
						RPD = 172.04			
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100	4.869	4.864	0.005	686763	0.0570			
2	2	5.088	5.093	-0.005	812054	0.1423			
						RPD = 85.59			
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65	5.870	5.867	0.003	1526790	0.5040			
2	2	5.972	5.971	0.001	3065427	1.50			
						RPD = 99.63			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65		5.999						
2	2		6.171						
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65	6.143	6.143	0.000	2355504	1.45			
2	2	6.327	6.325	0.002	4088901	2.44			
						RPD = 50.50			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	8824067	6.88			
2	2	6.503	6.502	0.001	11049132	7.60			
						RPD = 10.00			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100	6.528	6.528	0.000	2029505	1.19			
2	2	6.669	6.665	0.004	1753817	0.6762			
						RPD = 55.39			
30 Endrin									1
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100	6.828	6.827	0.001	6345739	6.69			
2	2	7.083	7.083	0.000	8933822	7.78			
						RPD = 15.03			
34 Endosulfan II									
1	100	6.978	6.980	-0.002	401064	-0.5194			
2	2	7.187	7.178	0.009	2247943	1.14			
						RPD = 534.57			
35 4,4'-DDT									
1	-65	7.103	7.101	0.002	32681893	38.0			
2	2	7.384	7.384	0.000	40517809	42.4			
						RPD = 11.07			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.963	8.962	0.001	15711581	19.8			
2	2	9.417	9.417	0.000	16174013	21.9			
						RPD = 9.89			

QC Flag Legend

Processing Flags
1 - Missing Peaks

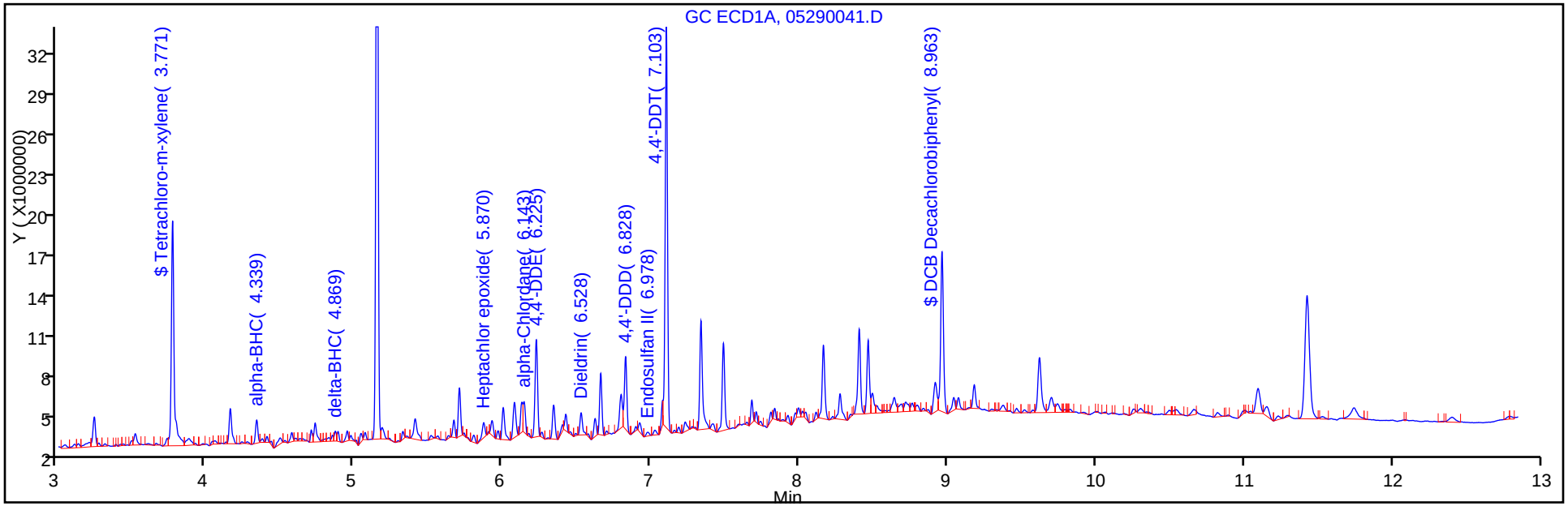
Report Date: 30-May-2013 07:33:13 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

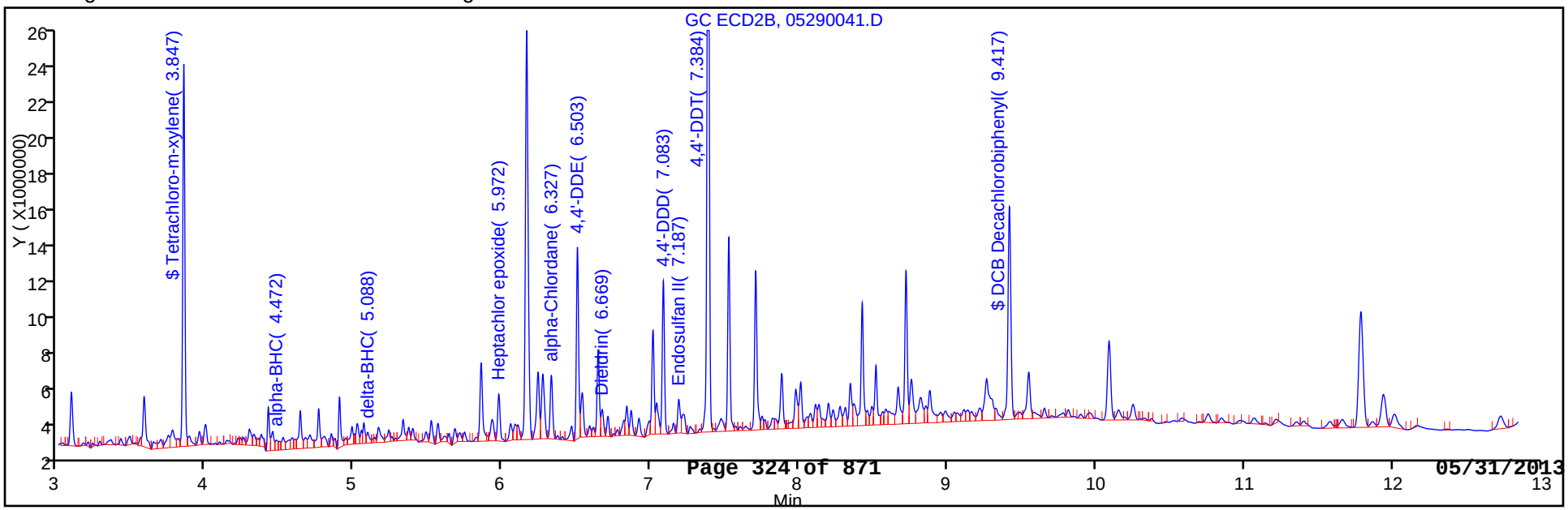
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290041.D

Injection Date:	30-May-2013 00:42:17	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0312AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	41
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0312AA DL | Lab Sample ID: 280-42047-9 DL

Matrix: Solid | Lab File ID: 05290027.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:29

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.0(g) | Date Analyzed: 05/29/2013 20:51

Con. Extract Vol.: 10000(uL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 7.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	7.2	U Q	18	7.2	5.7
50-29-3	4,4'-DDT	19	J D Q	21	7.2	6.2
72-43-5	Methoxychlor	7.2	U Q	35	7.2	4.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	90	D	55-130
877-09-8	Tetrachloro-m-xylene	68	D Q	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290027.D		
Lims ID:	280-42047-A-9-A	Client ID:	B301SCS0312AA
Inject. Date:	29-May-2013 20:51:40	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	280-42047-A-9-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	176329	Lims Sample ID:	27
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:26:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.769	3.767	0.002	2303228	1.37			
2	2	3.845	3.845	0.000	2483498	1.27			
						RPD = 7.47			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									1
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65		5.867						
2	2		5.971						
23 gamma-Chlordane									
1	-65		5.999						
2	2		6.171						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65		6.143						
2	2		6.325						
25 4,4'-DDE									
1	-65	6.224	6.225	-0.001	1260990	0.5761			
2	2	6.503	6.502	0.001	1436811	0.6290			
						RPD = 8.78			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100		6.528						
2	2		6.665						
30 Endrin									1
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100		6.827						
2	2		7.083						
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									
1	-65	7.103	7.101	0.002	4958556	5.40			
2	2	7.385	7.384	0.001	5484454	5.49			
						RPD = 1.55			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 41 DCB Decachlorobiphenyl									
1	1	8.963	8.962	0.001	2165461	1.79			
2	2	9.418	9.417	0.001	2028204	1.64			
						RPD = 8.51			

QC Flag Legend

Processing Flags
1 - Missing Peaks

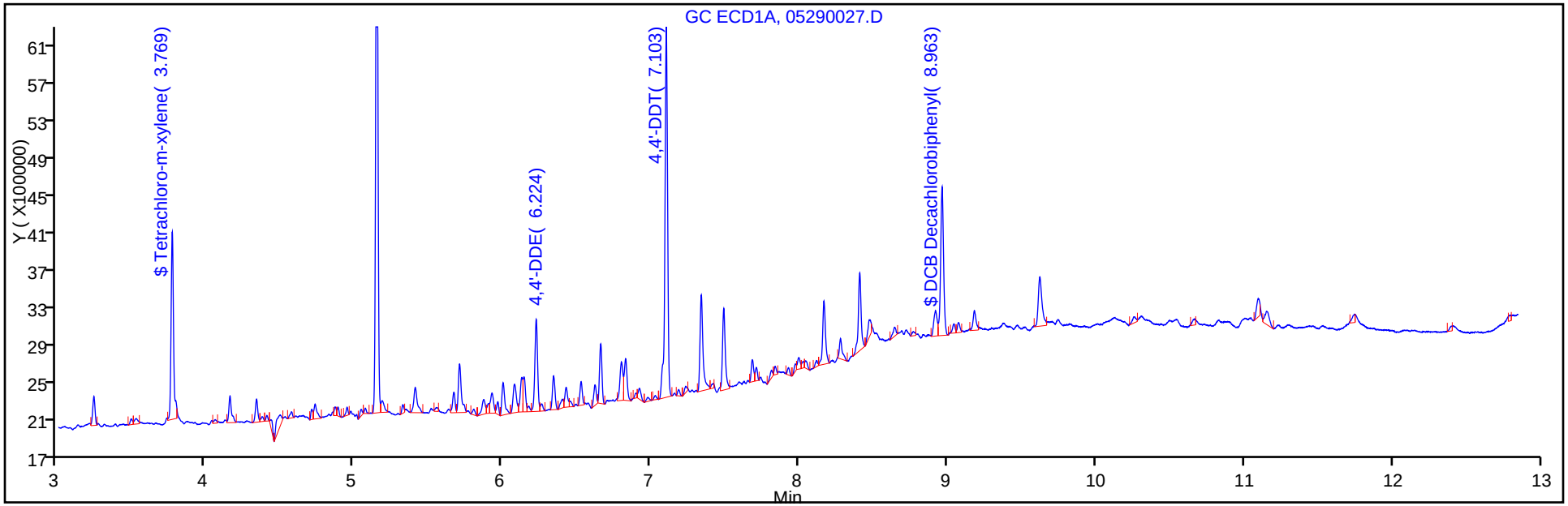
Report Date: 30-May-2013 07:32:52 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

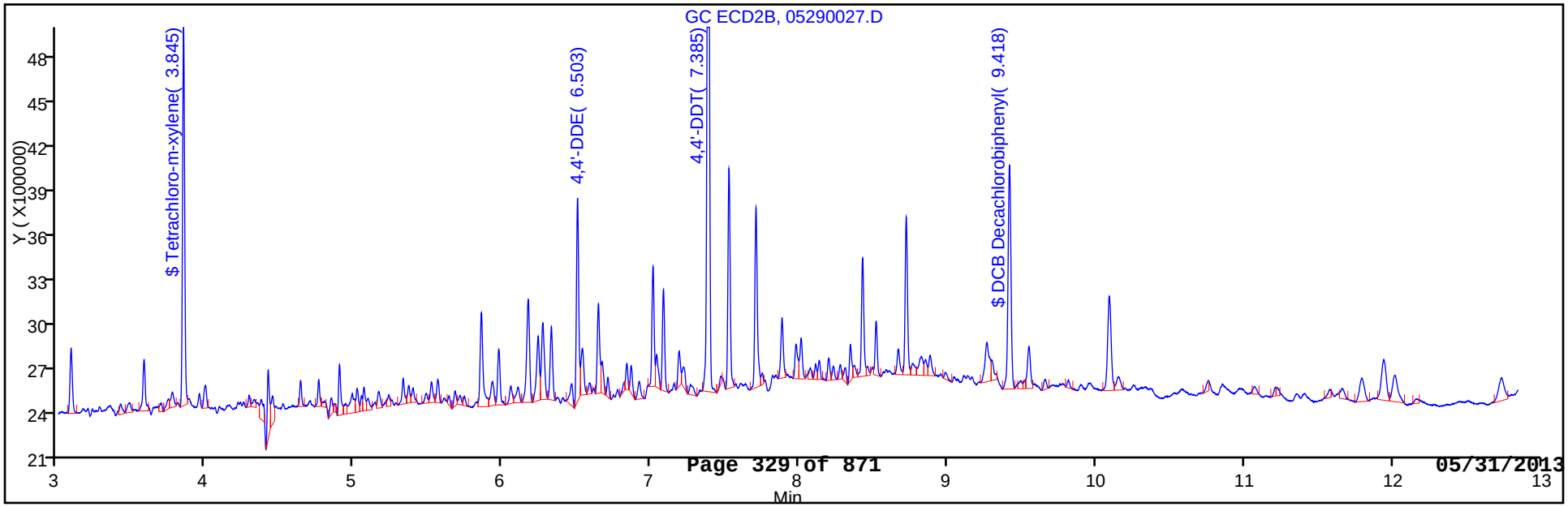
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290027.D

Injection Date:	29-May-2013 20:51:40	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0312AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0312AA DL Lab Sample ID: 280-42047-9 DL

Matrix: Solid Lab File ID: 05290027.D

Analysis Method: 8081B Date Collected: 05/06/2013 10:29

Extraction Method: 3546 Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.0(g) Date Analyzed: 05/29/2013 20:51

Con. Extract Vol.: 10000(uL) Dilution Factor: 10

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

% Moisture: 7.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	82	*D*	55-130
877-09-8	Tetrachloro-m-xylene	63	*D Q*	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290027.D		
Lims ID:	280-42047-A-9-A	Client ID:	B301SCS0312AA
Inject. Date:	29-May-2013 20:51:40	Dil. Factor:	10.0000
Sample Type:	Client		
Sample ID:	280-42047-A-9-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	176329	Lims Sample ID:	27
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:26:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.769	3.767	0.002	2303228	1.37			
2	2	3.845	3.845	0.000	2483498	1.27			
						RPD = 7.47			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									1
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65		5.867						
2	2		5.971						
23 gamma-Chlordane									
1	-65		5.999						
2	2		6.171						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									
1	-65		6.143						
2	2		6.325						
25 4,4'-DDE									
1	-65	6.224	6.225	-0.001	1260990	0.5761			
2	2	6.503	6.502	0.001	1436811	0.6290			
						RPD = 8.78			
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
28 Dieldrin									
1	100		6.528						
2	2		6.665						
30 Endrin									1
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									
1	100		6.827						
2	2		7.083						
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									
1	-65	7.103	7.101	0.002	4958556	5.40			
2	2	7.385	7.384	0.001	5484454	5.49			
						RPD = 1.55			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									1
1	-65		7.562						
2	2		8.031						
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 41 DCB Decachlorobiphenyl									
1	1	8.963	8.962	0.001	2165461	1.79			
2	2	9.418	9.417	0.001	2028204	1.64			
						RPD = 8.51			

QC Flag Legend

Processing Flags
1 - Missing Peaks

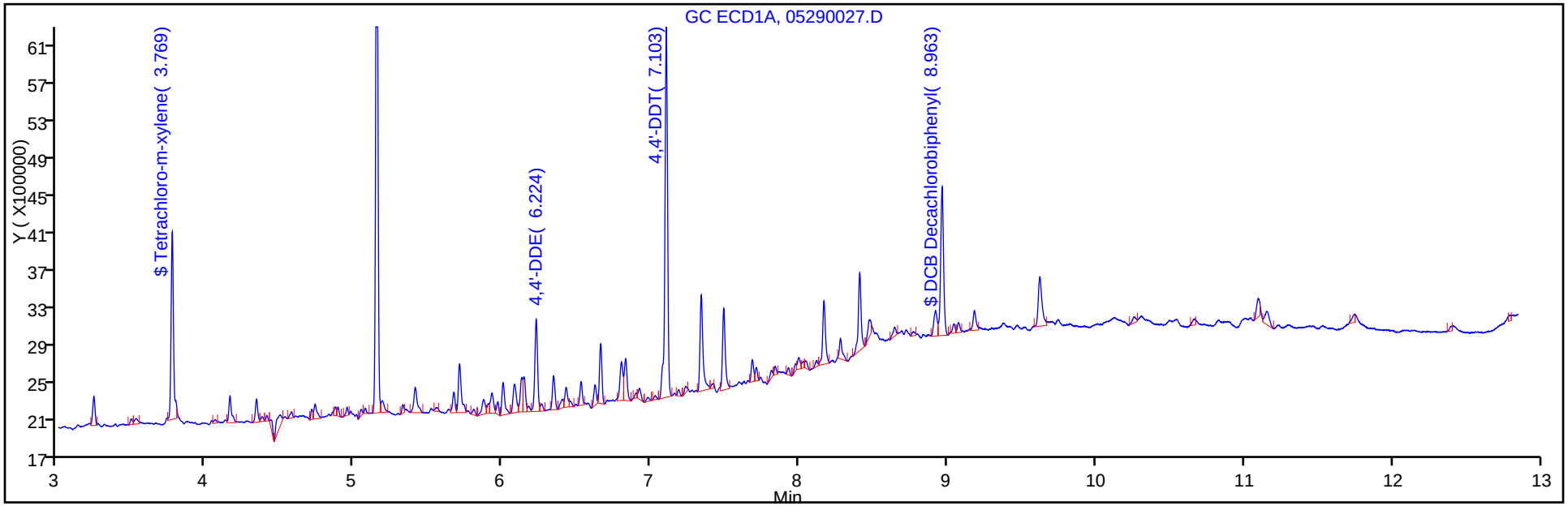
Report Date: 30-May-2013 07:32:53 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

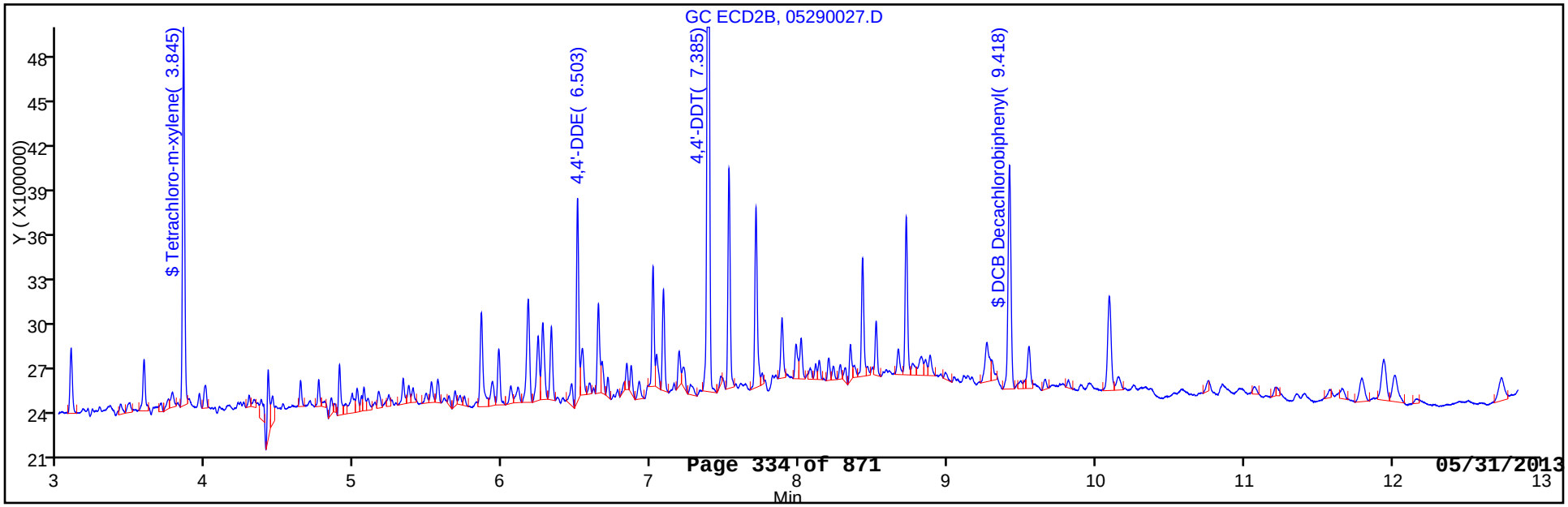
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290027.D

Injection Date:	29-May-2013 20:51:40	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0312AA	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0112AC | Lab Sample ID: 280-42047-10

Matrix: Solid | Lab File ID: 05290028.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:08

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.5(g) | Date Analyzed: 05/29/2013 21:08

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 7.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.71	U	1.8	0.71	0.56
72-55-9	4,4'-DDE	0.26	J	1.8	0.47	0.25
50-29-3	4,4'-DDT	1.1	J	2.1	0.71	0.61
309-00-2	Aldrin	0.47	U	1.8	0.47	0.26
319-84-6	alpha-BHC	0.47	U	1.8	0.47	0.22
5103-71-9	alpha-Chlordane	0.47	U	1.8	0.47	0.33
319-85-7	beta-BHC	0.71	U	1.8	0.71	0.69
319-86-8	delta-BHC	0.71	U	1.8	0.71	0.41
60-57-1	Dieldrin	0.47	U	1.8	0.47	0.22
959-98-8	Endosulfan I	0.47	U	1.8	0.47	0.18
33213-65-9	Endosulfan II	0.47	U	1.8	0.47	0.30
1031-07-8	Endosulfan sulfate	0.47	U	1.8	0.47	0.28
72-20-8	Endrin	0.47	U	1.8	0.47	0.32
7421-93-4	Endrin aldehyde	0.47	U	1.8	0.47	0.18
53494-70-5	Endrin ketone	0.71	U	1.8	0.71	0.50
58-89-9	gamma-BHC (Lindane)	0.71	U	1.8	0.71	0.48
5103-74-2	gamma-Chlordane	0.71	U	1.8	0.71	0.27
76-44-8	Heptachlor	0.47	U	1.8	0.47	0.22
1024-57-3	Heptachlor epoxide	0.71	U	1.8	0.71	0.44
72-43-5	Methoxychlor	0.71	U	3.4	0.71	0.46
8001-35-2	Toxaphene	28	U	180	28	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	99		55-130
877-09-8	Tetrachloro-m-xylene	88		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290028.D		
Lims ID:	280-42047-A-10-A	Client ID:	B301SCS0112AC
Inject. Date:	29-May-2013 21:08:08	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-10-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	176329	Lims Sample ID:	28
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:26:34

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.768	3.767	0.001	21286828	17.7			
2	2	3.844	3.845	-0.001	23429881	17.2			
						RPD = 2.73			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									1
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100	4.708	4.716	-0.008	1077845	0.8054			
2	2	4.855	4.857	-0.002	135192	-0.7402			
						RPD = 4739.07			
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65		5.867						
2	2		5.971						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65	6.000	5.999	0.001	528212	-0.2201			
2	2	6.172	6.171	0.001	1088158	0.1652			
						RPD = -1403.55			
20 Toxaphene									1
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									M
1	-65	6.143	6.143	0.000	695371	-0.1076			7
2	2	6.326	6.325	0.001	581122	-0.2397			7M
						RPD = -76.09			
LOD = 0.1300									
25 4,4'-DDE									M
1	-65	6.226	6.225	0.001	1489581	0.7666			
2	2	6.503	6.502	0.001	1694424	0.8159			M
						RPD = 6.23			
26 Endosulfan I									
1	100		6.284						
2	2		6.384						
28 Dieldrin									1
1	100		6.528						
2	2		6.665						
30 Endrin									
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									M
1	100	6.828	6.827	0.001	532654	-0.1931			
2	2	7.084	7.083	0.001	828024	0.2434			M
						RPD = 1736.20			
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									M
1	-65	7.103	7.101	0.002	3199368	3.33			
2	2	7.385	7.384	0.001	3451027	3.34			M
						RPD = 0.22			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									
1	-65		7.562						
2	2		8.031						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									1
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.962	0.002	15688096	19.8			
2	2	9.418	9.417	0.001	14515131	19.5			
						RPD = 1.43			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

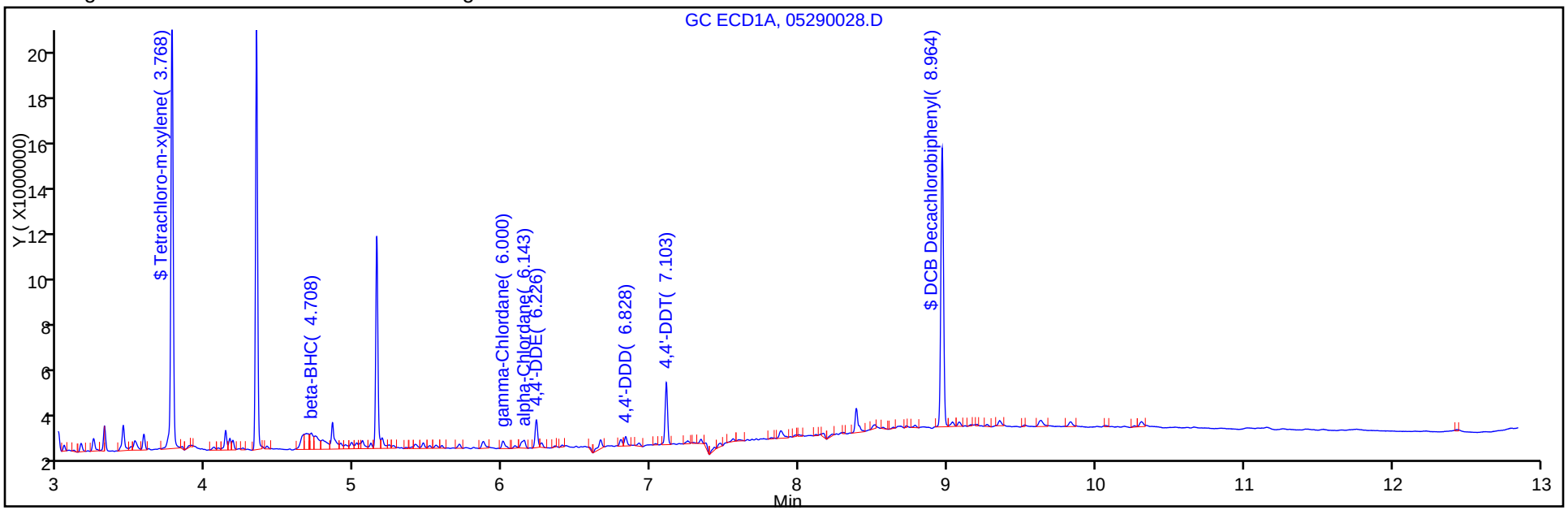
Report Date: 30-May-2013 07:32:53 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

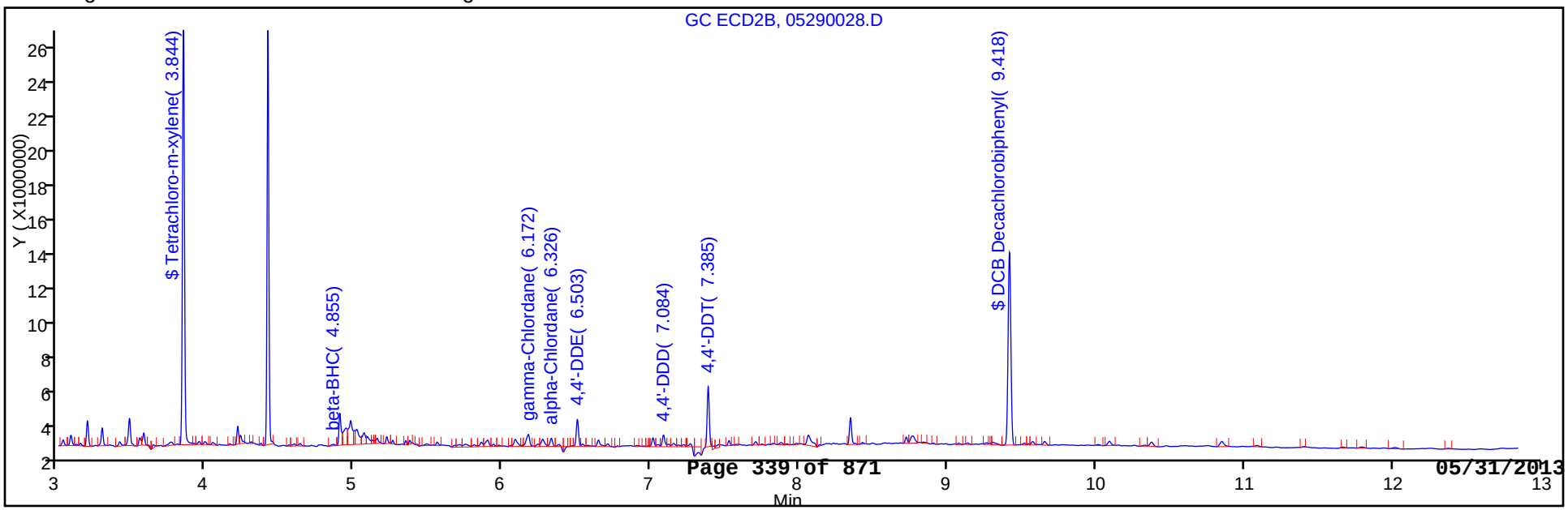
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290028.D

Injection Date:	29-May-2013 21:08:08	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0112AC	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0112AC Lab Sample ID: 280-42047-10

Matrix: Solid Lab File ID: 05290028.D

Analysis Method: 8081B Date Collected: 05/06/2013 10:08

Extraction Method: 3546 Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.5(g) Date Analyzed: 05/29/2013 21:08

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

% Moisture: 7.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	98		55-130
877-09-8	Tetrachloro-m-xylene	86		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290028.D		
Lims ID:	280-42047-A-10-A	Client ID:	B301SCS0112AC
Inject. Date:	29-May-2013 21:08:08	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-10-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	176329	Lims Sample ID:	28
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:41	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:26:34

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.768	3.767	0.001	21286828	17.7			
2	2	3.844	3.845	-0.001	23429881	17.2			
						RPD = 2.73			
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									1
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100	4.708	4.716	-0.008	1077845	0.8054			
2	2	4.855	4.857	-0.002	135192	-0.7402			
						RPD = 4739.07			
13 delta-BHC									
1	100		4.864						
2	2		5.093						
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									
1	-65		5.291						
2	2		5.413						
22 Heptachlor epoxide									
1	-65		5.867						
2	2		5.971						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65	6.000	5.999	0.001	528212	-0.2201			
2	2	6.172	6.171	0.001	1088158	0.1652			
						RPD = -1403.55			
20 Toxaphene									1
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									M
1	-65	6.143	6.143	0.000	695371	-0.1076			7
2	2	6.326	6.325	0.001	581122	-0.2397			7M
						RPD = -76.09			
LOD = 0.1300									
25 4,4'-DDE									M
1	-65	6.226	6.225	0.001	1489581	0.7666			
2	2	6.503	6.502	0.001	1694424	0.8159			M
						RPD = 6.23			
26 Endosulfan I									
1	100		6.284						
2	2		6.384						
28 Dieldrin									1
1	100		6.528						
2	2		6.665						
30 Endrin									
1	-65		6.761						
2	2		6.971						
32 4,4'-DDD									M
1	100	6.828	6.827	0.001	532654	-0.1931			
2	2	7.084	7.083	0.001	828024	0.2434			M
						RPD = 1736.20			
34 Endosulfan II									
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									M
1	-65	7.103	7.101	0.002	3199368	3.33			
2	2	7.385	7.384	0.001	3451027	3.34			M
						RPD = 0.22			
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						
37 Methoxychlor									
1	-65		7.562						
2	2		8.031						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									1
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.962	0.002	15688096	19.8			
2	2	9.418	9.417	0.001	14515131	19.5			
						RPD = 1.43			

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

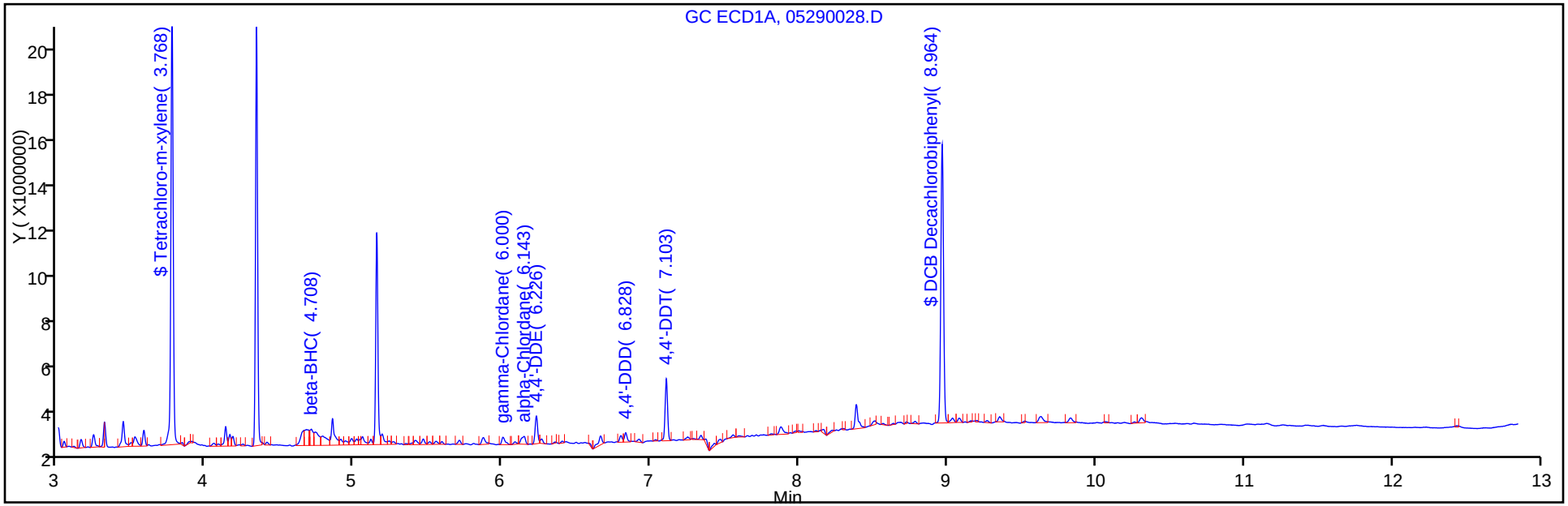
Report Date: 30-May-2013 07:32:54 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

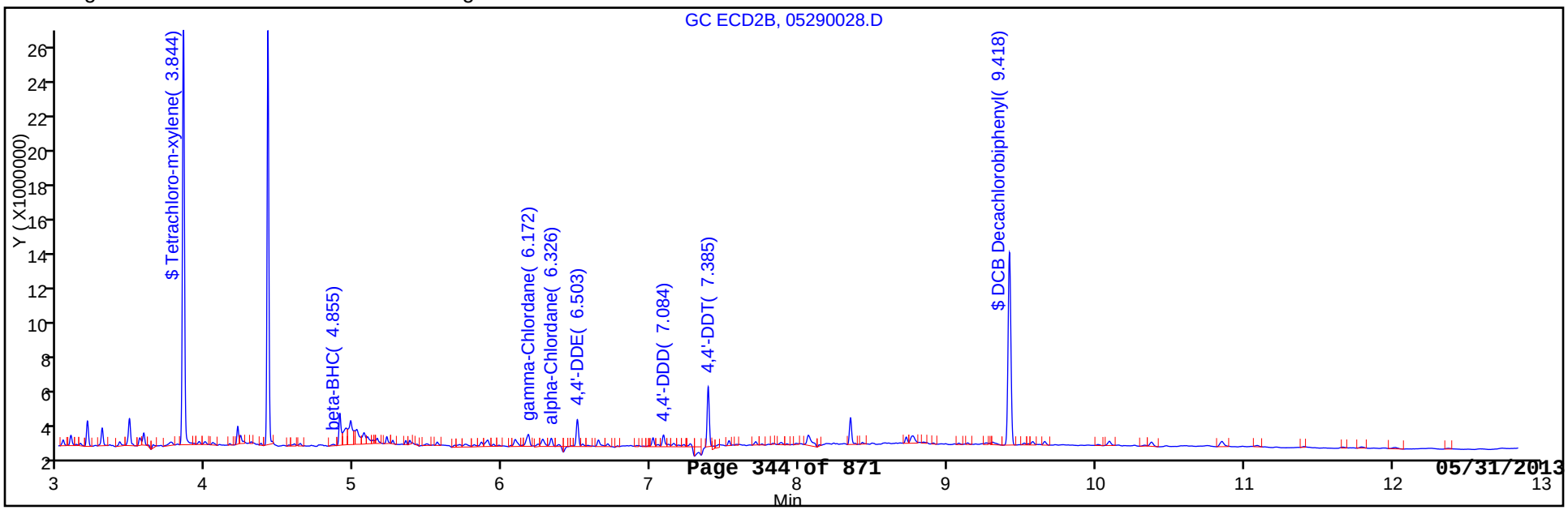
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290028.D

Injection Date:	29-May-2013 21:08:08	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0112AC	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

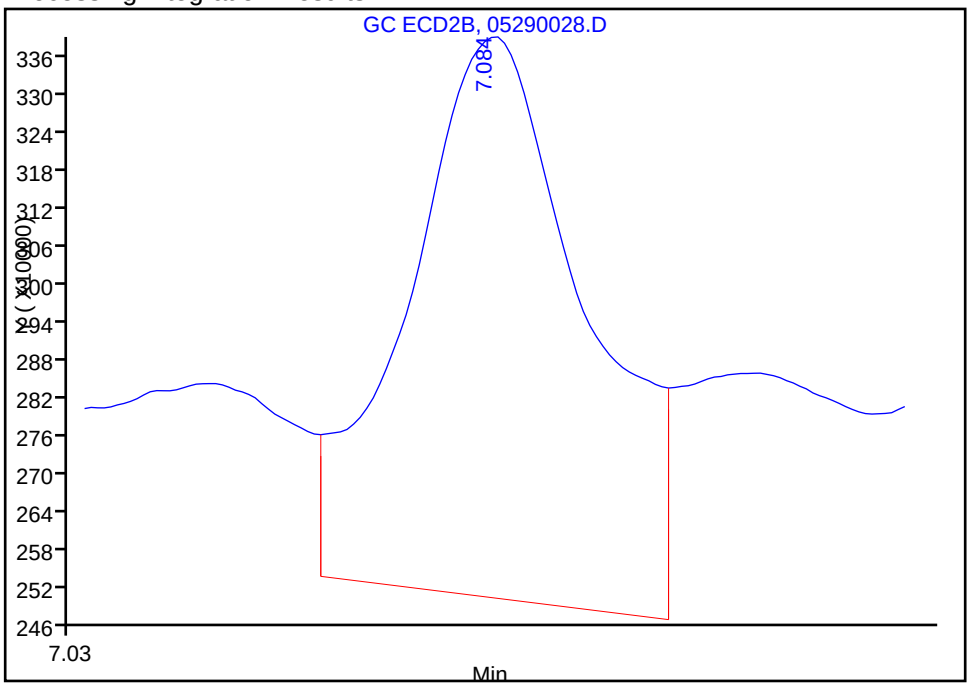
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290028.D		
Injection Date:	29-May-2013 21:08:08	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0112AC	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

32 4,4'-DDD, Signal: 2, Type: quant, RT: 7.08, Det: GC ECD2B

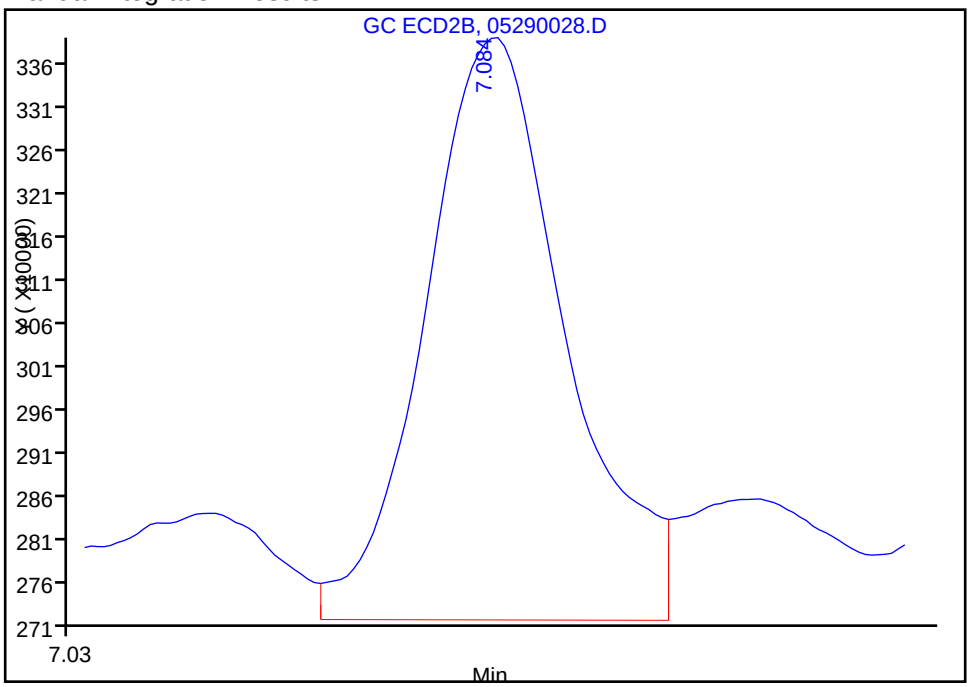
Processing Integration Results

RT: 7.08
Response: 1400384
Amount: 0.775340



Manual Integration Results

RT: 7.08
Response: 828024
Amount: 0.243362



Reviewer: wellsd, 30-May-2013 07:26:34
Audit Action: Assigned New Baseline
Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

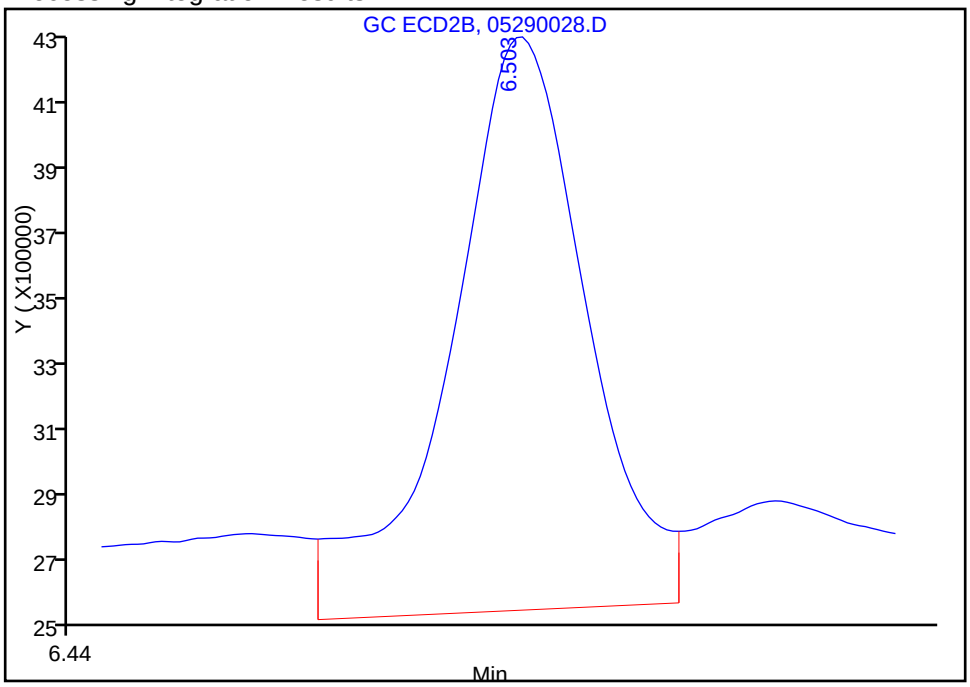
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290028.D		
Injection Date:	29-May-2013 21:08:08	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0112AC	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

25 4,4'-DDE, Signal: 2, Type: quant, RT: 6.50, Det: GC ECD2B

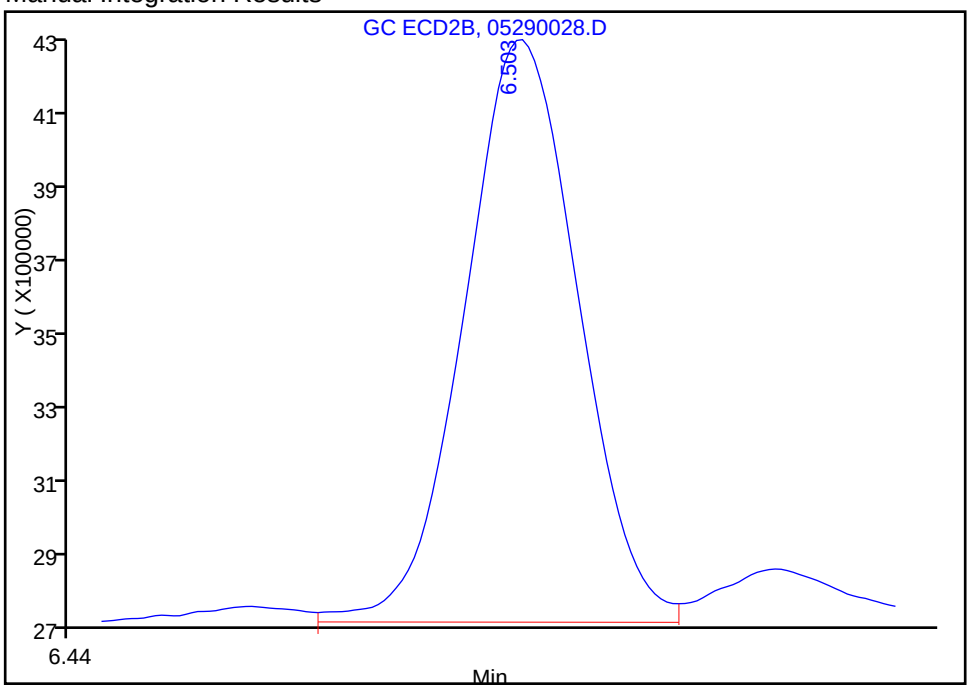
Processing Integration Results

RT: 6.50
Response: 2273553
Amount: 1.236041



Manual Integration Results

RT: 6.50
Response: 1694424
Amount: 0.815879



Reviewer: wellsd, 30-May-2013 07:26:34
Audit Action: Assigned New Baseline
Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

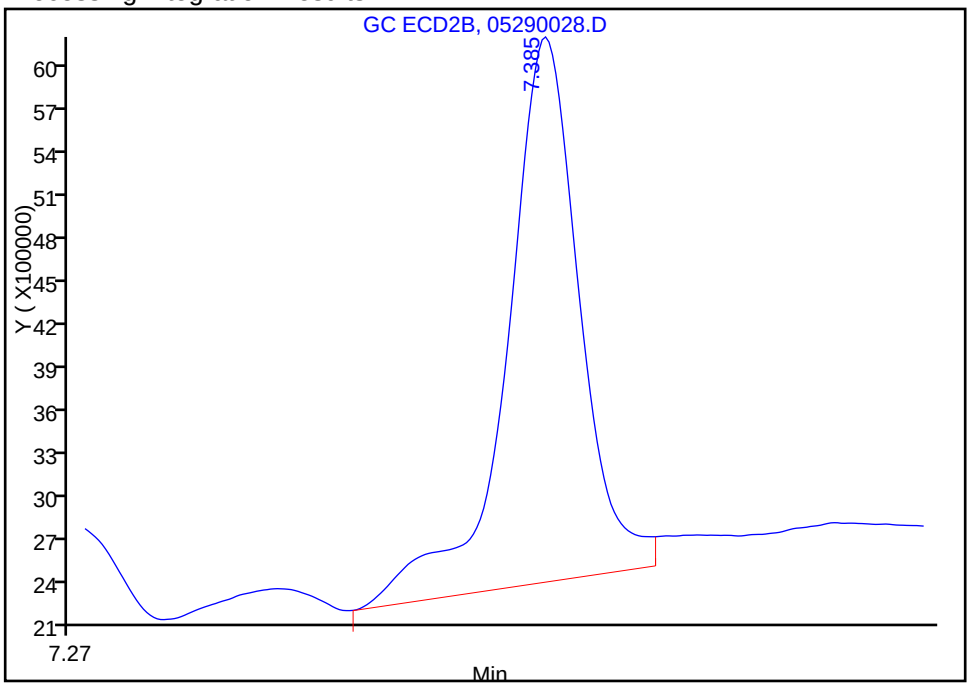
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290028.D		
Injection Date:	29-May-2013 21:08:08	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0112AC	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

35 4,4'-DDT, Signal: 2, Type: quant, RT: 7.38, Det: GC ECD2B

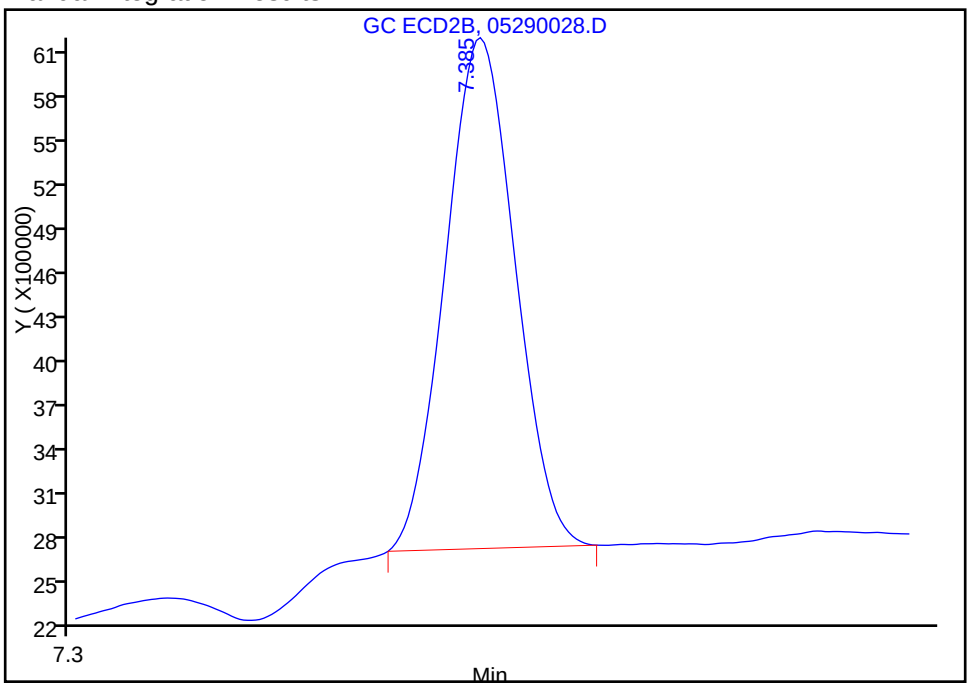
Processing Integration Results

RT: 7.39
Response: 4555899
Amount: 4.506647



Manual Integration Results

RT: 7.39
Response: 3451027
Amount: 3.341952



Reviewer: wellsd, 30-May-2013 07:26:34
Audit Action: Manually Integrated
Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

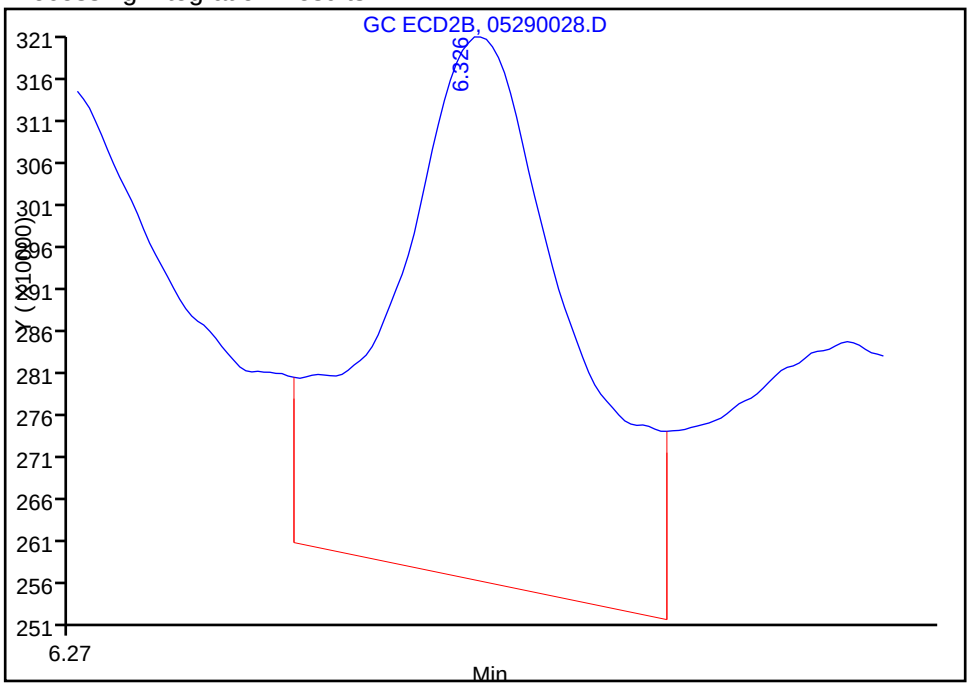
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290028.D		
Injection Date:	29-May-2013 21:08:08	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0112AC	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

24 alpha-Chlordane, Signal: 2, Type: quant, RT: 6.32, Det: GC ECD2B

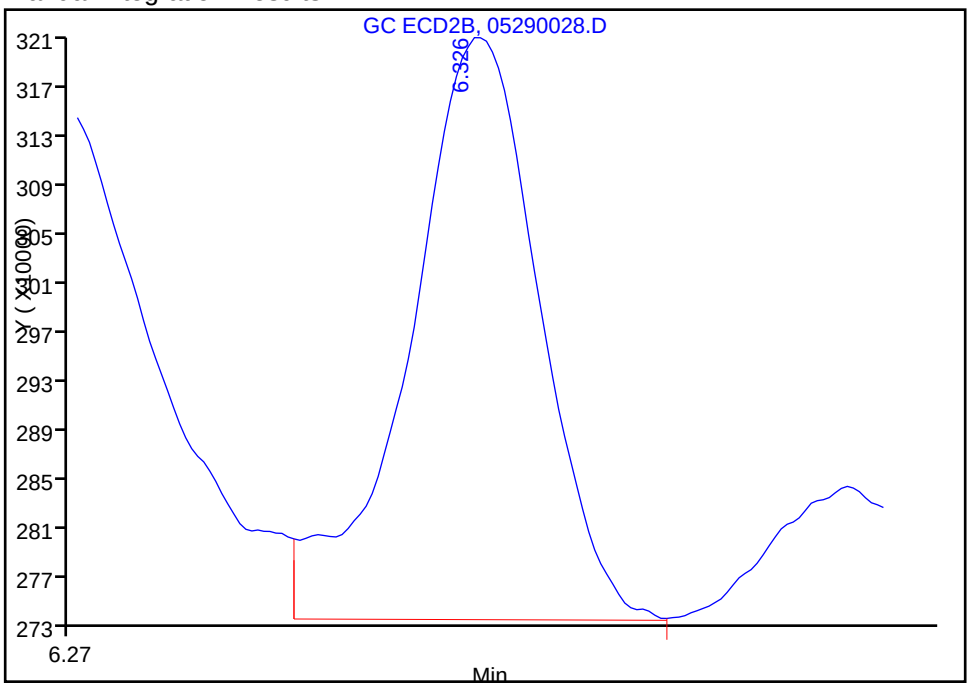
Processing Integration Results

RT: 6.33
Response: 1125397
Amount: 0.175468



Manual Integration Results

RT: 6.33
Response: 581122
Amount: -0.239714



Reviewer: wellsd, 30-May-2013 07:26:34
Audit Action: Assigned New Baseline
Audit Reason: Baseline Smoothing

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: 050613AE | Lab Sample ID: 280-42047-11

Matrix: Water | Lab File ID: 05150026.D

Analysis Method: 8081B | Date Collected: 05/06/2013 16:30

Extraction Method: 3510C | Date Extracted: 05/13/2013 17:20

Sample wt/vol: 1056.8(mL) | Date Analyzed: 05/15/2013 18:36

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174317 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.0095	U	0.047	0.0095	0.0073
72-55-9	4,4'-DDE	0.0095	U	0.047	0.0095	0.0071
50-29-3	4,4'-DDT	0.019	U	0.047	0.019	0.014
309-00-2	Aldrin	0.0095	U	0.047	0.0095	0.0056
319-84-6	alpha-BHC	0.0095	U	0.047	0.0095	0.0050
5103-71-9	alpha-Chlordane	0.0095	U	0.047	0.0095	0.0050
319-85-7	beta-BHC	0.0095	U	0.047	0.0095	0.0082
319-86-8	delta-BHC	0.0095	U	0.047	0.0095	0.0055
60-57-1	Dieldrin	0.0095	U	0.047	0.0095	0.0060
33213-65-9	Endosulfan II	0.0095	U	0.047	0.0095	0.0066
1031-07-8	Endosulfan sulfate	0.0095	U	0.047	0.0095	0.0054
72-20-8	Endrin	0.0095	U	0.047	0.0095	0.0075
7421-93-4	Endrin aldehyde	0.0095	U	0.047	0.0095	0.0083
53494-70-5	Endrin ketone	0.0095	U	0.047	0.0095	0.0066
58-89-9	gamma-BHC (Lindane)	0.0095	U	0.047	0.0095	0.0065
5103-74-2	gamma-Chlordane	0.0095	U	0.047	0.0095	0.0086
76-44-8	Heptachlor	0.0095	U	0.047	0.0095	0.0073
1024-57-3	Heptachlor epoxide	0.0095	U	0.047	0.0095	0.0071
72-43-5	Methoxychlor	0.019	U	0.095	0.019	0.012

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	123		30-135
877-09-8	Tetrachloro-m-xylene	56		25-140

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150026.D		
Lims ID:	280-42047-A-11-A	Client ID:	050613AE
Inject. Date:	15-May-2013 18:36:42	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-11-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P1
Injection Vol:	1.0 ul	ALS Bottle#:	18
Lims Batch ID:	174317	Lims Sample ID:	26
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P1\20130515-11633.b\8081 P1.m		
Last Update:	16-May-2013 06:55:42	Calib Date:	15-May-2013 13:25:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150011.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.942	3.941	0.001	29702274	11.1			
2	2	3.709	3.707	0.002	48164368	9.88			
						RPD = 11.98			
10 alpha-BHC									1
1	-65		4.523						
2	2		4.330						
11 gamma-BHC (Lindane)									1
1	-65		4.813						
2	2		4.645						
12 beta-BHC									
1	100		4.890						
2	2		4.721						
13 delta-BHC									
1	100		5.039						
2	2		4.954						
15 Heptachlor									
1	100		5.219						
2	2		4.995						
16 Aldrin									1
1	-65		5.492						
2	2		5.250						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									1
1	-65		5.667						
1	-65		6.352						
1	-65		6.859						
1	-65		7.534						
1	-65		7.937						
2	6		5.339						
2	7		5.619						
2	8		6.540						
2	9		7.044						
2	10		7.773						
22 Heptachlor epoxide									
1	-65		6.107						
2	2		5.763						
23 gamma-Chlordane									1
1	-65		6.239						
2	2		5.950						
24 alpha-Chlordane									1
1	-65		6.377						
2	2		6.105						
25 4,4'-DDE									1
1	-65		6.452						
2	2		6.287						
26 Endosulfan I									1
1	100		6.520						
2	2		6.162						
28 Dieldrin									1
1	100		6.764						
2	2		6.444						
30 Endrin									1
1	-65		6.998						
2	2		6.749						
32 4,4'-DDD									1
1	100		7.054						
2	2		6.871						
34 Endosulfan II									1
1	100		7.217						
2	2		6.960						
35 4,4'-DDT									1
1	-65		7.326						
2	2		7.176						
36 Endrin aldehyde									1
1	-65		7.620						
2	2		7.290						
37 Methoxychlor									1
1	-65		7.779						
2	2		7.827						
39 Endosulfan sulfate									1
1	-65		8.029						
2	2		7.553						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
40 Endrin ketone									1
1	-65		8.288						
2	2		8.040						
$ 41 DCB Decachlorobiphenyl									
1	1	9.209	9.210	-0.001	52626148	24.6			
2	2	9.156	9.159	-0.003	40317627	20.8			
						RPD = 16.80			

QC Flag Legend

Processing Flags
1 - Missing Peaks

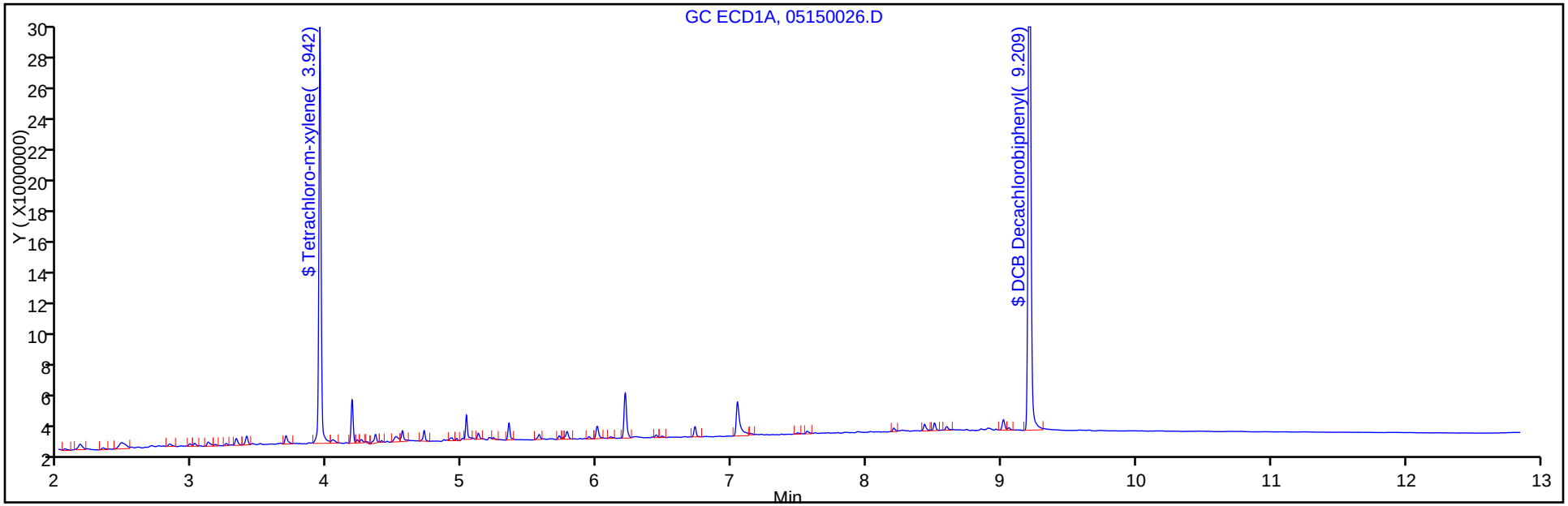
Report Date: 16-May-2013 06:55:56 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

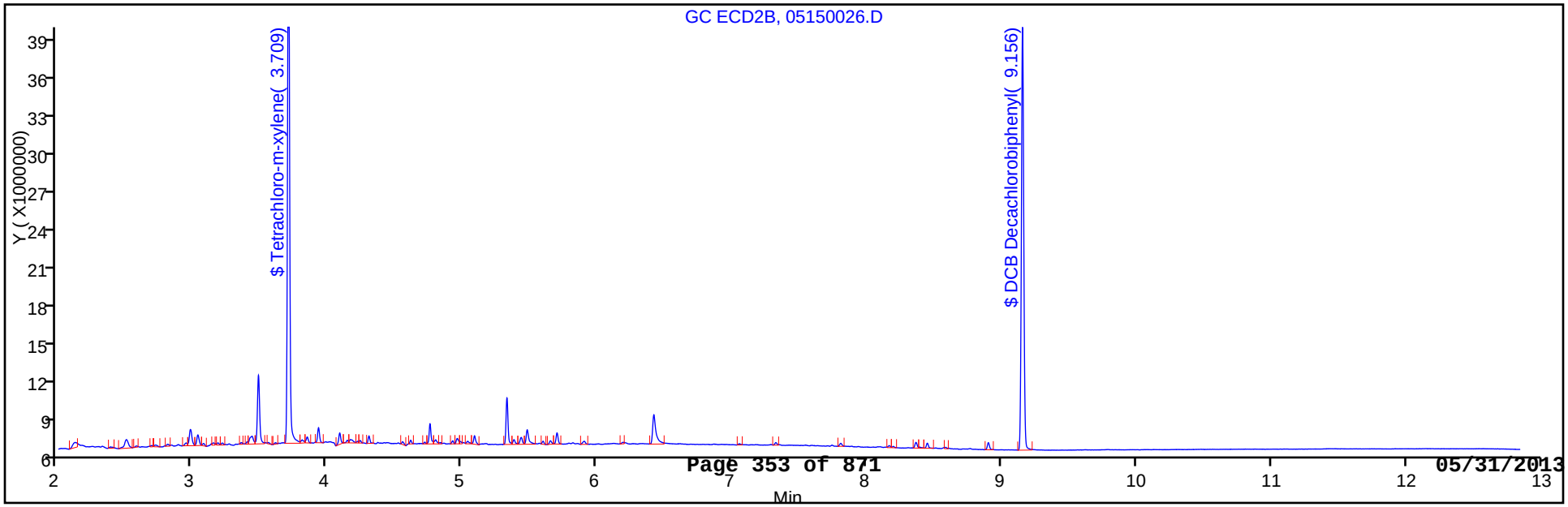
Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150026.D

Injection Date:	15-May-2013 18:36:42	Limit Group:	GCSV - 8081A
Client ID:	050613AE	Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: 050613AE | Lab Sample ID: 280-42047-11

Matrix: Water | Lab File ID: 05150026.D

Analysis Method: 8081B | Date Collected: 05/06/2013 16:30

Extraction Method: 3510C | Date Extracted: 05/13/2013 17:20

Sample wt/vol: 1056.8(mL) | Date Analyzed: 05/15/2013 18:36

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174317 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
959-98-8	Endosulfan I	0.0095	U	0.047	0.0095	0.0055

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		30-135
877-09-8	Tetrachloro-m-xylene	49		25-140

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150026.D		
Lims ID:	280-42047-A-11-A	Client ID:	050613AE
Inject. Date:	15-May-2013 18:36:42	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-42047-A-11-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P1
Injection Vol:	1.0 ul	ALS Bottle#:	18
Lims Batch ID:	174317	Lims Sample ID:	26
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P1\20130515-11633.b\8081 P1.m		
Last Update:	16-May-2013 06:55:42	Calib Date:	15-May-2013 13:25:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150011.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.942	3.941	0.001	29702274	11.1			
2	2	3.709	3.707	0.002	48164368	9.88			
						RPD = 11.98			
10 alpha-BHC									1
1	-65		4.523						
2	2		4.330						
11 gamma-BHC (Lindane)									1
1	-65		4.813						
2	2		4.645						
12 beta-BHC									
1	100		4.890						
2	2		4.721						
13 delta-BHC									
1	100		5.039						
2	2		4.954						
15 Heptachlor									
1	100		5.219						
2	2		4.995						
16 Aldrin									1
1	-65		5.492						
2	2		5.250						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									1
1	-65		5.667						
1	-65		6.352						
1	-65		6.859						
1	-65		7.534						
1	-65		7.937						
2	6		5.339						
2	7		5.619						
2	8		6.540						
2	9		7.044						
2	10		7.773						
22 Heptachlor epoxide									
1	-65		6.107						
2	2		5.763						
23 gamma-Chlordane									1
1	-65		6.239						
2	2		5.950						
24 alpha-Chlordane									1
1	-65		6.377						
2	2		6.105						
25 4,4'-DDE									1
1	-65		6.452						
2	2		6.287						
26 Endosulfan I									1
1	100		6.520						
2	2		6.162						
28 Dieldrin									1
1	100		6.764						
2	2		6.444						
30 Endrin									1
1	-65		6.998						
2	2		6.749						
32 4,4'-DDD									1
1	100		7.054						
2	2		6.871						
34 Endosulfan II									1
1	100		7.217						
2	2		6.960						
35 4,4'-DDT									1
1	-65		7.326						
2	2		7.176						
36 Endrin aldehyde									1
1	-65		7.620						
2	2		7.290						
37 Methoxychlor									1
1	-65		7.779						
2	2		7.827						
39 Endosulfan sulfate									1
1	-65		8.029						
2	2		7.553						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
40 Endrin ketone									1
1	-65		8.288						
2	2		8.040						
$ 41 DCB Decachlorobiphenyl									
1	1	9.209	9.210	-0.001	52626148	24.6			
2	2	9.156	9.159	-0.003	40317627	20.8			
						RPD = 16.80			

QC Flag Legend

Processing Flags
1 - Missing Peaks

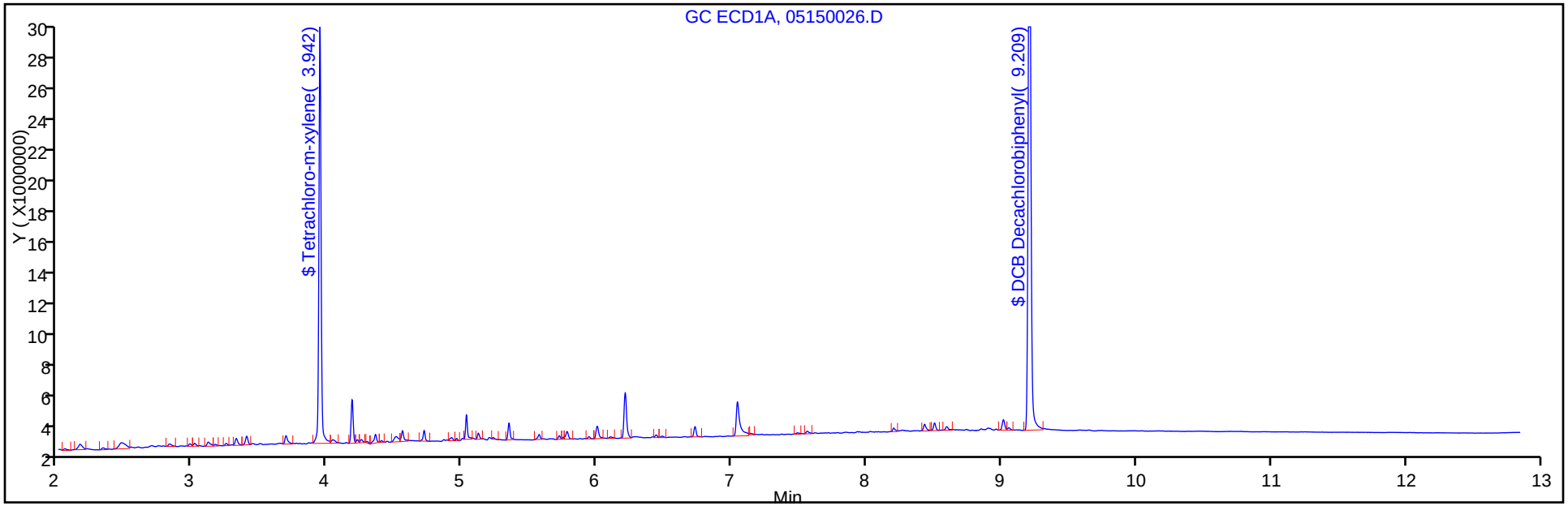
Report Date: 16-May-2013 06:55:56 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

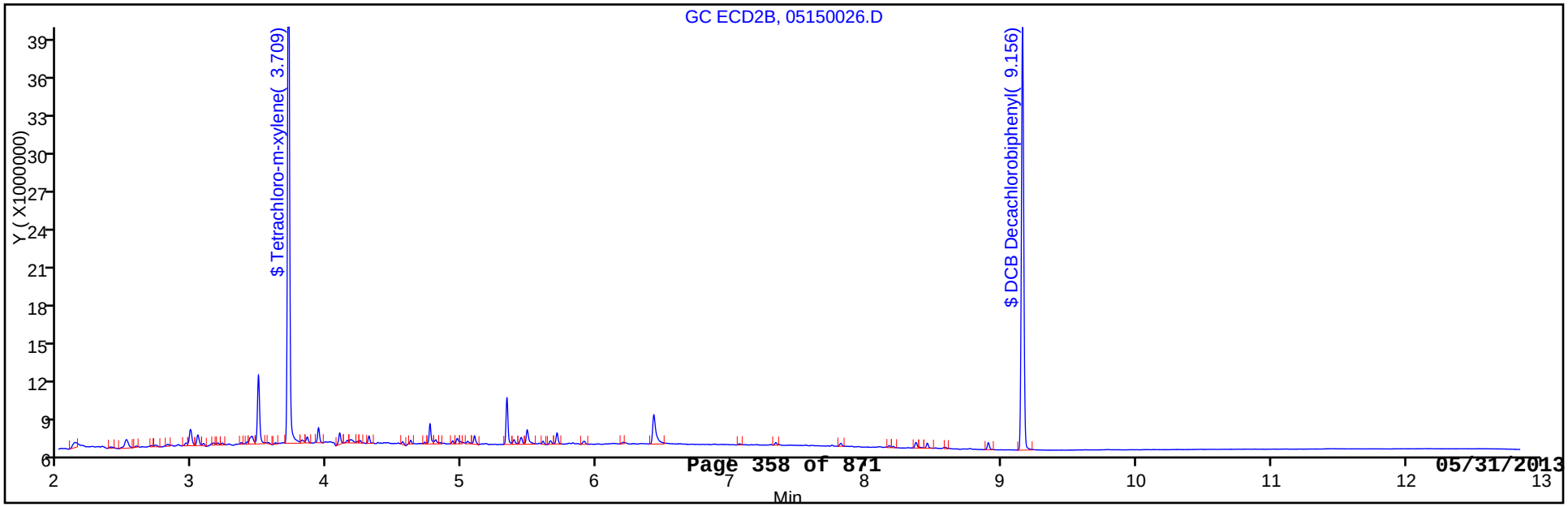
Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150026.D

Injection Date:	15-May-2013 18:36:42	Limit Group:	GCSV - 8081A
Client ID:	050613AE	Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 171763

SDG No.:

Instrument ID: SGC_P1 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2013 13:49 Calibration End Date: 04/29/2013 15:16 Calibration ID: 13795

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-171763/9	04290009.D
Level 2	STD2 280-171763/8	04290008.D
Level 3	STD3 280-171763/7	04290007.D
Level 4	STD4 280-171763/6	04290006.D
Level 5	STD5 280-171763/5	04290005.D
Level 6	STD6 280-171763/4	04290004.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Hexachlorobenzene	4.354	4.352	4.353	4.353	4.352	4.353					4.343 - 4.363	4.353
alpha-BHC	4.524	4.523	4.523	4.524	4.523	4.524					4.514 - 4.534	4.524
gamma-BHC (Lindane)	4.814	4.813	4.813	4.814	4.813	4.814					4.804 - 4.824	4.814
beta-BHC	4.891	4.891	4.892	4.892	4.890	4.890					4.882 - 4.902	4.891
delta-BHC	5.040	5.040	5.041	5.041	5.040	5.040					5.031 - 5.051	5.040
Heptachlor	5.220	5.220	5.221	5.221	5.220	5.220					5.211 - 5.231	5.220
Aldrin	5.493	5.493	5.493	5.493	5.493	5.493					5.483 - 5.503	5.493
Isodrin	5.820	5.821	5.822	5.821	5.821	5.820					5.811 - 5.831	5.821
Heptachlor epoxide	6.110	6.108	6.109	6.109	6.109	6.109					6.099 - 6.119	6.109
gamma-Chlordane	6.240	6.240	6.240	6.240	6.240	6.240					6.230 - 6.250	6.240
alpha-Chlordane	6.380	6.379	6.380	6.379	6.379	6.379					6.369 - 6.389	6.379
4,4'-DDE	6.454	6.454	6.454	6.454	6.453	6.454					6.444 - 6.464	6.454
Endosulfan I	6.523	6.522	6.523	6.523	6.522	6.523					6.513 - 6.533	6.523
Dieldrin	6.766	6.766	6.766	6.767	6.765	6.766					6.757 - 6.777	6.766
Endrin	6.999	7.000	6.999	7.000	7.000	7.000					6.990 - 7.010	7.000
4,4'-DDD	7.056	7.056	7.056	7.056	7.055	7.056					7.046 - 7.066	7.056
Endosulfan II	7.220	7.219	7.220	7.219	7.219	7.220					7.209 - 7.229	7.220
4,4'-DDT	7.328	7.328	7.328	7.328	7.327	7.328					7.318 - 7.338	7.328
Endrin aldehyde	7.622	7.622	7.622	7.622	7.622	7.623					7.612 - 7.632	7.622
Methoxychlor	7.782	7.781	7.781	7.780	7.780	7.780					7.770 - 7.790	7.781
Mirex	7.934	7.934	7.933	7.934	7.933	7.934					7.924 - 7.944	7.934
Endosulfan sulfate	8.030	8.029	8.031	8.031	8.030	8.030					8.021 - 8.041	8.030
Endrin ketone	8.290	8.289	8.290	8.289	8.289	8.290					8.279 - 8.299	8.290
Tetrachloro-m-xylene	3.943	3.942	3.942	3.943	3.942	3.942					3.933 - 3.953	3.942
DCB Decachlorobiphenyl	9.213	9.212	9.212	9.212	9.211	9.212					9.202 - 9.222	9.212

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 171763

SDG No.:

Instrument ID: SGC_P1 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2013 13:49 Calibration End Date: 04/29/2013 15:16 Calibration ID: 13795

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-171763/9	04290009.D
Level 2	STD2 280-171763/8	04290008.D
Level 3	STD3 280-171763/7	04290007.D
Level 4	STD4 280-171763/6	04290006.D
Level 5	STD5 280-171763/5	04290005.D
Level 6	STD6 280-171763/4	04290004.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Hexachlorobenzene	3319105 2952705	3276491 2991855	3170103	3040739	Lin2	1382046.61	3025351.79							0.9990		0.9900
alpha-BHC	3793258 3783025	3892573 3888719	3939605	3902582	Lin2	-299051.10	3888225.20							1.0000		0.9900
gamma-BHC (Lindane)	3542407 3398103	3560351 3507089	3574217	3526977	Lin2	252397.182	3499961.92							1.0000		0.9900
beta-BHC	1624532 1402659	1548760 1442826	1507502	1463452	Lin2	792297.179	1441066.99							0.9990		0.9900
delta-BHC	3856617 3559683	3791585 3666974	3780051	3707106	Lin2	868293.145	3664292.59							1.0000		0.9900
Heptachlor	3590716 3214986	3574762 3277170	3525151	3406040	Lin2	1217748.72	3343522.43							0.9980		0.9900
Aldrin	3723657 3517609	3705957 3545941	3733624	3617494	Lin2	642183.375	3594333.83							0.9990		0.9900
Isodrin	3658138 3268116	3575197 3266991	3525105	3369373	Lin2	1480368.93	3336904.44							0.9990		0.9900
Heptachlor epoxide	3604350 3139518	3528236 3130073	3473600	3297024	Lin2	1725610.36	3237506.13							0.9980		0.9900
gamma-Chlordane	3747400 3430887	3566971 3488957	3613180	3514203	Lin2	1062773.40	3483510.42							1.0000		0.9900
alpha-Chlordane	3597804 3337261	3537940 3379174	3512348	3405582	Lin2	921670.277	3395119.98							1.0000		0.9900
4,4'-DDE	3503209 3389553	3501887 3424631	3563485	3459436	Lin2	273432.837	3453952.09							1.0000		0.9900
Endosulfan I	3511182 3014803	3397544 2977179	3337467	3151551	Lin2	1924488.77	3092630.11							0.9980		0.9900
Dieldrin	3700552 3371305	3676231 3347119	3672916	3497222	Lin2	1200822.27	3457498.07							0.9980		0.9900
Endrin	2943249 2706568	2924614 2718016	2917470	2780943	Ave		2831809.89				3.9		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 171763

SDG No.:

Instrument ID: SGC_P1 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2013 13:49 Calibration End Date: 04/29/2013 15:16 Calibration ID: 13795

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDD	2878508 2721437	2825994 2751843	2898740	2787836	Lin2	454345.054	2777912.53							0.9990		0.9900
Endosulfan II	3317287 2856501	3240420 2805130	3159339	2963699	Lin2	1849571.31	2923482.47							0.9970		0.9900
4,4'-DDT	2916348 2920894	2907287 2960176	3045566	2915675	Lin2	-169613.25	2956574.14							1.0000		0.9900
Endrin aldehyde	2897681 2410846	2718083 2368356	2663127	2503464	Lin2	1949356.76	2452805.90							0.9980		0.9900
Methoxychlor	1692288 1386072	1600569 1353998	1536979	1430934	Lin2	1269204.66	1408475.11							0.9970		0.9900
Mirex	2752335 2268985	2532256 2254903	2437420	2289380	Lin2	2015242.90	2277001.27							0.9990		0.9900
Endosulfan sulfate	3121950 2689667	2988960 2662062	2923388	2740590	Lin2	1763771.17	2727052.79							0.9990		0.9900
Endrin ketone	3645864 3033140	3478749 2965146	3389465	3149927	Lin2	2482824.94	3097733.29							0.9970		0.9900
Tetrachloro-m-xylene	2798158 2532457	2709858 2549195	2699825	2602678	Lin2	967353.808	2578830.76							0.9990		0.9900
DCB Decachlorobiphenyl	2550615 2049250	2314767 2031870	2200172	2071425	Lin2	2105894.00	2050924.36							0.9990		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 171763

SDG No.:

Instrument ID: SGC_P1 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2013 13:49 Calibration End Date: 04/29/2013 15:16 Calibration ID: 13795

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-171763/9	04290009.D
Level 2	STD2 280-171763/8	04290008.D
Level 3	STD3 280-171763/7	04290007.D
Level 4	STD4 280-171763/6	04290006.D
Level 5	STD5 280-171763/5	04290005.D
Level 6	STD6 280-171763/4	04290004.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Hexachlorobenzene	Lin2	13276419 299185486	32764912	79252570	152036966	221452851	4.00 100	10.0	25.0	50.0	75.0
alpha-BHC	Lin2	15173032 388871932	38925734	98490135	195129087	283726841	4.00 100	10.0	25.0	50.0	75.0
gamma-BHC (Lindane)	Lin2	14169626 350708935	35603510	89355414	176348860	254857726	4.00 100	10.0	25.0	50.0	75.0
beta-BHC	Lin2	6498129 144282553	15487603	37687553	73172599	105199392	4.00 100	10.0	25.0	50.0	75.0
delta-BHC	Lin2	15426470 366697386	37915845	94501265	185355298	266976260	4.00 100	10.0	25.0	50.0	75.0
Heptachlor	Lin2	14362864 327717023	35747624	88128776	170301980	241123980	4.00 100	10.0	25.0	50.0	75.0
Aldrin	Lin2	14894629 354594111	37059567	93340609	180874718	263820648	4.00 100	10.0	25.0	50.0	75.0
Isodrin	Lin2	14632552 326699069	35751968	88127613	168468672	245108728	4.00 100	10.0	25.0	50.0	75.0
Heptachlor epoxide	Lin2	14417401 313007338	35282363	86839997	164851187	235463831	4.00 100	10.0	25.0	50.0	75.0
gamma-Chlordane	Lin2	14989599 348895704	35669710	90329491	175710148	257316547	4.00 100	10.0	25.0	50.0	75.0
alpha-Chlordane	Lin2	14391215 337917407	35379403	87808712	170279111	250294612	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDE	Lin2	14012834 342463095	35018868	89087129	172971775	254216491	4.00 100	10.0	25.0	50.0	75.0
Endosulfan I	Lin2	14044728 297717915	33975435	83436663	157577573	226110236	4.00 100	10.0	25.0	50.0	75.0
Dieldrin	Lin2	14802206 334711889	36762310	91822900	174861120	252847871	4.00 100	10.0	25.0	50.0	75.0
Endrin	Ave	11772994 271801625	29246141	72936742	139047129	202992619	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDD	Lin2	11514033 275184328	28259936	72468510	139391794	204107748	4.00 100	10.0	25.0	50.0	75.0

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 171763

SDG No.:

Instrument ID: SGC_P1 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2013 13:49 Calibration End Date: 04/29/2013 15:16 Calibration ID: 13795

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endosulfan II	Lin2	13269148 280512957	32404195	78983483	148184965	214237576	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDT	Lin2	11665392 296017579	29072866	76139161	145783733	219067071	4.00 100	10.0	25.0	50.0	75.0
Endrin aldehyde	Lin2	11590725 236835610	27180829	66578170	125173195	180813428	4.00 100	10.0	25.0	50.0	75.0
Methoxychlor	Lin2	6769150 135399800	16005685	38424485	71546698	103955401	4.00 100	10.0	25.0	50.0	75.0
Mirex	Lin2	11009340 225490295	25322561	60935505	114469004	170173890	4.00 100	10.0	25.0	50.0	75.0
Endosulfan sulfate	Lin2	12487801 266206223	29889604	73084695	137029506	201725007	4.00 100	10.0	25.0	50.0	75.0
Endrin ketone	Lin2	14583454 296514595	34787487	84736629	157496367	227485491	4.00 100	10.0	25.0	50.0	75.0
Tetrachloro-m-xylene	Lin2	11192632 254919543	27098579	67495627	130133906	189934253	4.00 100	10.0	25.0	50.0	75.0
DCB Decachlorobiphenyl	Lin2	10202461 203187047	23147674	55004291	103571263	153693767	4.00 100	10.0	25.0	50.0	75.0

Curve Type Legend:

Ave = Average
Lin2 = Linear 1/conc^2

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290004.D
Lims ID: STD6 AB Client ID:
Inject. Date: 29-Apr-2013 13:49:09 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD6 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 171763 Lims Sample ID: 4
Sublist: chrom-8081 P1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m
Last Update: 30-Apr-2013 14:00:06 Calib Date: 29-Apr-2013 22:51:18
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290035.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						392.9			
2						402.1			
						RPD = 2.30			
$ 7 Tetrachloro-m-xylene									
1	100	3.942	3.943	-0.001	254919543	98.5			
2	2	3.714	3.714	0.000	469573021	99.9			
						RPD = 1.47			
8 Hexachlorobenzene									
1	100	4.353	4.353	0.000	299185486	98.4			
2	2	4.190	4.190	0.000	483739555	100.3			
						RPD = 1.92			
10 alpha-BHC									
1	-65	4.524	4.524	0.000	388871932	100.1			
2	2	4.337	4.337	0.000	580911639	102.4			
						RPD = 2.28			
11 gamma-BHC (Lindane)									
1	-65	4.814	4.814	0.000	350708935	100.1			
2	2	4.652	4.652	0.000	461301812	102.3			
						RPD = 2.17			
12 beta-BHC									
1	100	4.890	4.892	-0.002	144282553	99.6			
2	2	4.729	4.728	0.001	178666171	100.1			
						RPD = 0.48			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	5.040	5.041	-0.001	366697386	99.8			
2	2	4.961	4.962	-0.001	440522210	102.0			
						RPD = 2.13			
15 Heptachlor									
1	100	5.220	5.221	-0.001	327717023	97.7			
2	2	5.002	5.002	0.000	368743077	100.2			
						RPD = 2.60			
16 Aldrin									
1	-65	5.493	5.493	0.000	354594111	98.5			
2	2	5.258	5.257	0.001	395169826	101.0			
						RPD = 2.57			
18 Isodrin									
1	100	5.820	5.821	-0.001	326699069	97.5			
2	2	5.601	5.601	0.000	345509254	99.9			
						RPD = 2.49			
22 Heptachlor epoxide									
1	-65	6.109	6.109	0.000	313007338	96.1			
2	2	5.773	5.772	0.001	316697752	99.4			
						RPD = 3.33			
23 gamma-Chlordane									
1	-65	6.240	6.240	0.000	348895704	99.9			
2	2	5.961	5.961	0.000	344804828	101.5			
						RPD = 1.65			
24 alpha-Chlordane									
1	-65	6.379	6.379	0.000	337917407	99.3			
2	2	6.117	6.117	0.000	331563384	100.9			
						RPD = 1.66			
25 4,4'-DDE									
1	-65	6.454	6.454	0.000	342463095	99.1			
2	2	6.298	6.297	0.001	341867781	100.8			
						RPD = 1.76			
26 Endosulfan I									
1	100	6.523	6.523	0.000	297717915	95.6			
2	2	6.174	6.173	0.001	290481077	98.7			
						RPD = 3.16			
28 Dieldrin									
1	100	6.766	6.767	-0.001	334711889	96.5			
2	2	6.455	6.455	0.000	324319291	99.6			
						RPD = 3.23			
30 Endrin									
1	-65	7.000	7.000	0.000	271801625	96.0			
2	2	6.761	6.761	0.000	250789326	101.0			
						RPD = 5.07			
32 4,4'-DDD									
1	100	7.056	7.056	0.000	275184328	98.9			
2	2	6.883	6.882	0.001	244449930	100.5			
						RPD = 1.57			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	7.220	7.219	0.001	280512957	95.3			
2	2	6.971	6.972	-0.001	259330471	97.3			
						RPD = 2.09			
35 4,4'-DDT									
1	-65	7.328	7.328	0.000	296017579	100.2			
2	2	7.187	7.187	0.000	238654659	101.4			
						RPD = 1.23			
36 Endrin aldehyde									
1	-65	7.623	7.622	0.001	236835610	95.8			
2	2	7.301	7.301	0.000	216056471	97.7			
						RPD = 2.05			
37 Methoxychlor									
1	-65	7.780	7.780	0.000	135399800	95.2			
2	2	7.838	7.838	0.000	108599927	98.6			
						RPD = 3.44			
38 Mirex									
1	100	7.934	7.934	0.000	225490295	98.1			
2	2	8.008	8.008	0.000	175309273	99.0			
						RPD = 0.83			
39 Endosulfan sulfate									
1	-65	8.030	8.031	-0.001	266206223	97.0			
2	2	7.565	7.564	0.001	239185661	98.8			
						RPD = 1.89			
40 Endrin ketone									
1	-65	8.290	8.289	0.001	296514595	94.9			
2	2	8.052	8.052	0.000	256614019	98.2			
						RPD = 3.38			
$ 41 DCB Decachlorobiphenyl									
1	1	9.212	9.212	0.000	203187047	98.0			
2	2	9.172	9.171	0.001	187086007	99.3			
						RPD = 1.27			

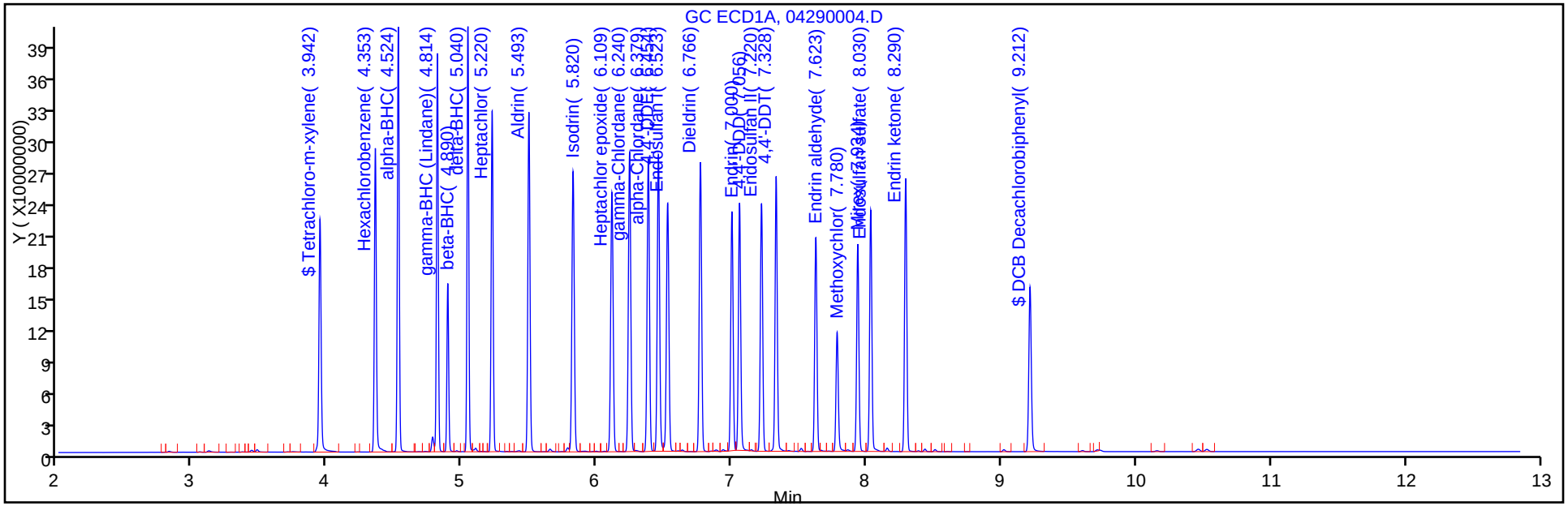
Report Date: 30-Apr-2013 14:00:07 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

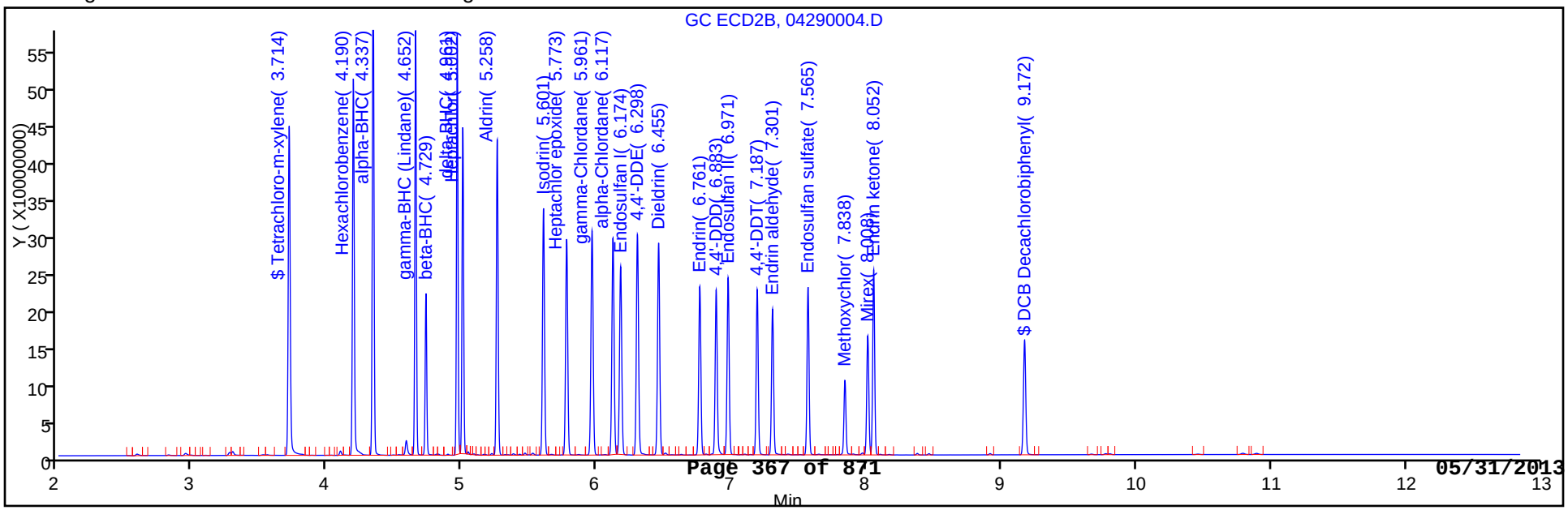
Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290004.D

Injection Date:	29-Apr-2013 13:49:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	4
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290005.D
Lims ID: STD5 AB Client ID:
Inject. Date: 29-Apr-2013 14:06:24 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD5 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 171763 Lims Sample ID: 5
Sublist: chrom-8081 P1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m
Last Update: 30-Apr-2013 14:00:09 Calib Date: 29-Apr-2013 22:51:18
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290035.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 30-Apr-2013 06:51:47

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						291.0			
2						292.6			
						RPD = 0.57			
$ 7 Tetrachloro-m-xylene									
1	100	3.942	3.943	-0.001	189934253	73.3			
2	2	3.714	3.714	0.000	345870854	73.5			
						RPD = 0.31			
8 Hexachlorobenzene									
1	100	4.352	4.353	-0.001	221452851	72.7			
2	2	4.190	4.190	0.000	354837323	73.4			
						RPD = 0.95			
10 alpha-BHC									
1	-65	4.523	4.524	-0.001	283726841	73.0			
2	2	4.337	4.337	0.000	417737601	73.7			
						RPD = 0.83			
11 gamma-BHC (Lindane)									
1	-65	4.813	4.814	-0.001	254857726	72.7			
2	2	4.652	4.652	0.000	330249210	73.2			
						RPD = 0.68			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									
1	100	4.890	4.892	-0.002	105199392	72.5			
2	2	4.729	4.728	0.001	129937019	72.6			
						RPD = 0.15			
13 delta-BHC									
1	100	5.040	5.041	-0.001	266976260	72.6			
2	2	4.961	4.962	-0.001	316358774	73.2			
						RPD = 0.83			
15 Heptachlor									
1	100	5.220	5.221	-0.001	241123980	71.8			
2	2	5.003	5.002	0.001	265616274	72.1			
						RPD = 0.45			
16 Aldrin									
1	-65	5.493	5.493	0.000	263820648	73.2			
2	2	5.258	5.257	0.001	288832305	73.8			
						RPD = 0.80			
18 Isodrin									
1	100	5.821	5.821	0.000	245108728	73.0			
2	2	5.601	5.601	0.000	254579147	73.5			
						RPD = 0.70			
22 Heptachlor epoxide									
1	-65	6.109	6.109	0.000	235463831	72.2			
2	2	5.773	5.772	0.001	233356545	73.1			
						RPD = 1.26			
23 gamma-Chlordane									
1	-65	6.240	6.240	0.000	257316547	73.6			
2	2	5.961	5.961	0.000	250796936	73.8			
						RPD = 0.26			
24 alpha-Chlordane									
1	-65	6.379	6.379	0.000	250294612	73.5			
2	2	6.117	6.117	0.000	242442980	73.7			
						RPD = 0.32			
25 4,4'-DDE									
1	-65	6.453	6.454	-0.001	254216491	73.5			
2	2	6.299	6.297	0.002	250896456	74.0			
						RPD = 0.59			
26 Endosulfan I									
1	100	6.522	6.523	-0.001	226110236	72.5			
2	2	6.174	6.173	0.001	215024432	72.9			
						RPD = 0.52			
28 Dieldrin									
1	100	6.765	6.767	-0.002	252847871	72.8			
2	2	6.455	6.455	0.000	239865776	73.6			
						RPD = 1.12			
30 Endrin									
1	-65	7.000	7.000	0.000	202992619	71.7			
2	2	6.760	6.761	-0.001	183472586	73.8			
						RPD = 2.85			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
32 4,4'-DDD									
1	100	7.055	7.056	-0.001	204107748	73.3			
2	2	6.882	6.882	0.000	179250913	73.5			
						RPD = 0.31			
34 Endosulfan II									
1	100	7.219	7.219	0.000	214237576	72.6			
2	2	6.971	6.972	-0.001	194701158	72.9			
						RPD = 0.35			
35 4,4'-DDT									
1	-65	7.327	7.328	-0.001	219067071	74.2			
2	2	7.187	7.187	0.000	174291675	74.0			
						RPD = 0.15			
36 Endrin aldehyde									
1	-65	7.622	7.622	0.000	180813428	72.9			
2	2	7.301	7.301	0.000	162291738	73.3			
						RPD = 0.46			
37 Methoxychlor									
1	-65	7.780	7.780	0.000	103955401	72.9			
2	2	7.838	7.838	0.000	81221219	73.6			
						RPD = 0.91			
38 Mirex									
1	100	7.933	7.934	-0.001	170173890	73.9			
2	2	8.008	8.008	0.000	131525528	74.0			
						RPD = 0.23			
39 Endosulfan sulfate									
1	-65	8.030	8.031	-0.001	201725007	73.3			
2	2	7.564	7.564	0.000	178644404	73.6			
						RPD = 0.42			
40 Endrin ketone									
1	-65	8.289	8.289	0.000	227485491	72.6			
2	2	8.051	8.052	-0.001	193348629	73.8			
						RPD = 1.63			
$ 41 DCB Decachlorobiphenyl									
1	1	9.211	9.212	-0.001	153693767	73.9			
2	2	9.171	9.171	0.000	140545137	74.4			
						RPD = 0.67			

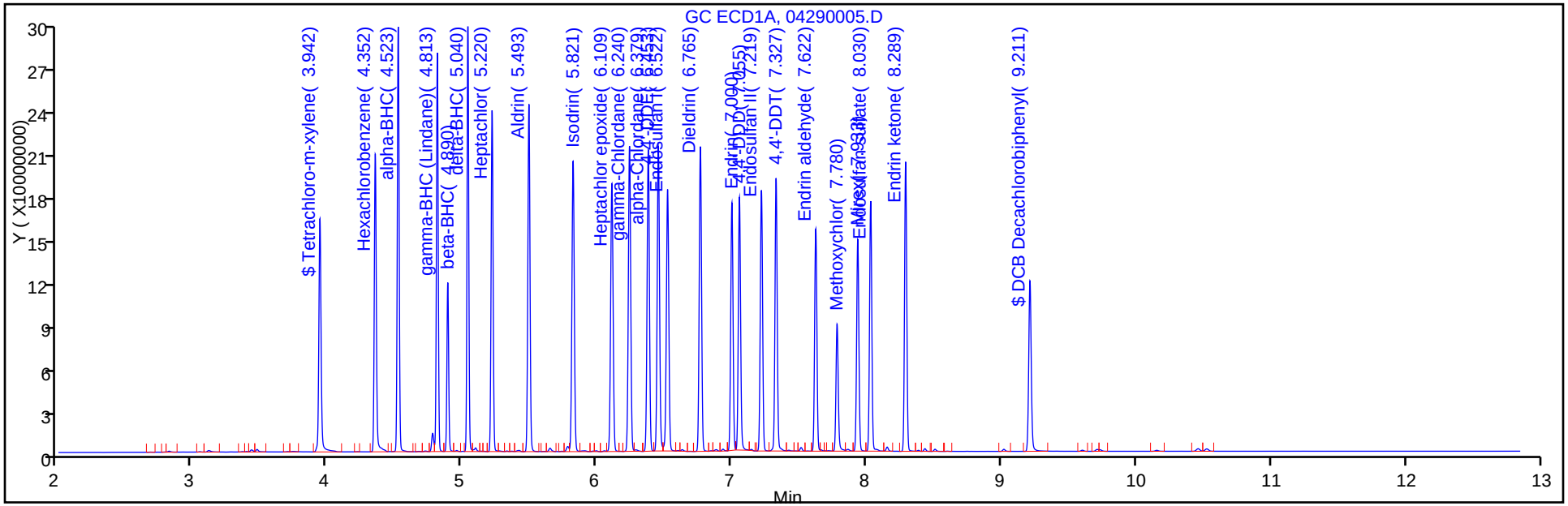
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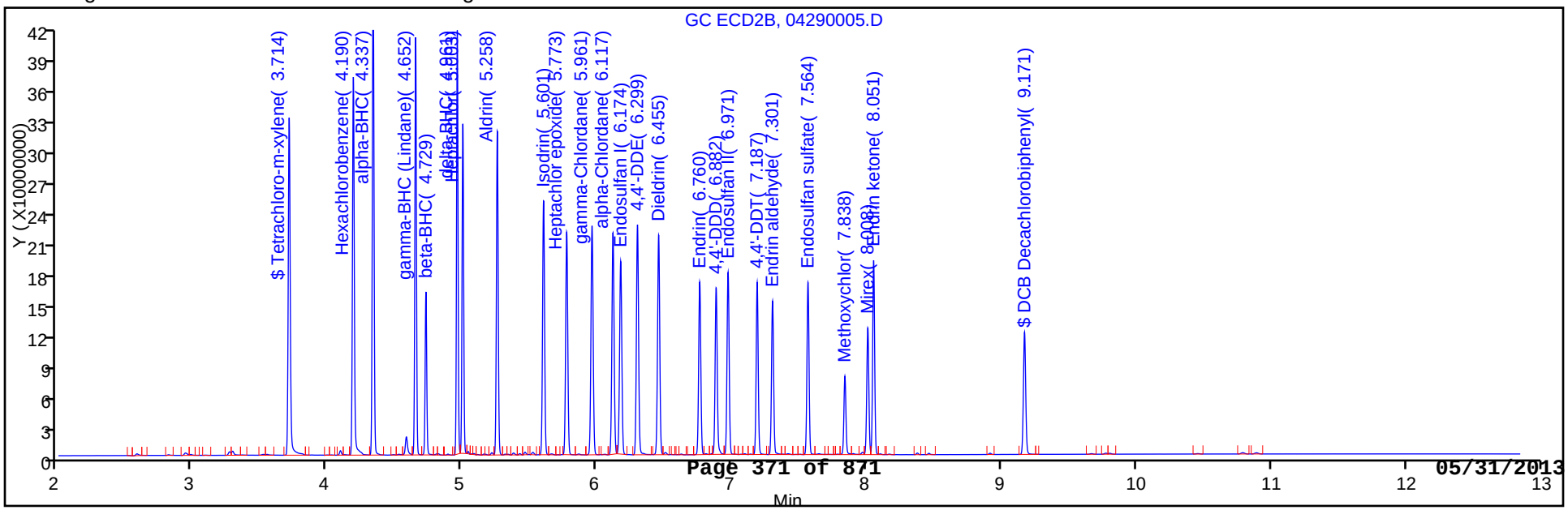
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Injection Date:	29-Apr-2013 14:06:24	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	5
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290006.D
Lims ID: STD4 AB Client ID:
Inject. Date: 29-Apr-2013 14:23:54 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD4 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 171763 Lims Sample ID: 6
Sublist: chrom-8081 P1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m
Last Update: 30-Apr-2013 14:00:11 Calib Date: 29-Apr-2013 22:51:18
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290035.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 30-Apr-2013 06:49:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						201.0			
2						199.5			
						RPD = 0.76			
$ 7 Tetrachloro-m-xylene									
1	100	3.943	3.943	0.000	130133906	50.1			
2	2	3.714	3.714	0.000	236005813	50.0			
						RPD = 0.13			
8 Hexachlorobenzene									
1	100	4.353	4.353	0.000	152036966	49.8			
2	2	4.190	4.190	0.000	242418083	50.0			
						RPD = 0.35			
10 alpha-BHC									
1	-65	4.524	4.524	0.000	195129087	50.3			
2	2	4.337	4.337	0.000	284669106	50.2			
						RPD = 0.10			
11 gamma-BHC (Lindane)									
1	-65	4.814	4.814	0.000	176348860	50.3			
2	2	4.652	4.652	0.000	226872588	50.3			
						RPD = 0.03			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									
1	100	4.892	4.892	0.000	73172599	50.2			
2	2	4.728	4.728	0.000	90367037	50.2			
						RPD = 0.01			
13 delta-BHC									
1	100	5.041	5.041	0.000	185355298	50.3			
2	2	4.962	4.962	0.000	216377585	50.1			
						RPD = 0.55			
15 Heptachlor									
1	100	5.221	5.221	0.000	170301980	50.6			
2	2	5.002	5.002	0.000	185320268	50.2			
						RPD = 0.81			
16 Aldrin									
1	-65	5.493	5.493	0.000	180874718	50.1			
2	2	5.257	5.257	0.000	195616156	49.9			
						RPD = 0.39			
18 Isodrin									
1	100	5.821	5.821	0.000	168468672	50.0			
2	2	5.601	5.601	0.000	173134364	49.9			
						RPD = 0.34			
22 Heptachlor epoxide									
1	-65	6.109	6.109	0.000	164851187	50.4			
2	2	5.772	5.772	0.000	159782657	49.9			
						RPD = 0.95			
23 gamma-Chlordane									
1	-65	6.240	6.240	0.000	175710148	50.1			
2	2	5.961	5.961	0.000	169594216	49.8			
						RPD = 0.71			
24 alpha-Chlordane									
1	-65	6.379	6.379	0.000	170279111	49.9			
2	2	6.117	6.117	0.000	163663588	49.6			
						RPD = 0.55			
25 4,4'-DDE									
1	-65	6.454	6.454	0.000	172971775	50.0			
2	2	6.297	6.297	0.000	169471293	49.9			
						RPD = 0.18			
26 Endosulfan I									
1	100	6.523	6.523	0.000	157577573	50.3			
2	2	6.173	6.173	0.000	147811839	49.9			
						RPD = 0.95			
28 Dieldrin									
1	100	6.767	6.767	0.000	174861120	50.2			
2	2	6.455	6.455	0.000	163532176	50.1			
						RPD = 0.29			
30 Endrin									
1	-65	7.000	7.000	0.000	139047129	49.1			
2	2	6.761	6.761	0.000	123548581	49.5			
						RPD = 0.85			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
32 4,4'-DDD									
1	100	7.056	7.056	0.000	139391794	50.0			
2	2	6.882	6.882	0.000	121206997	49.6			
						RPD = 0.90			
34 Endosulfan II									
1	100	7.219	7.219	0.000	148184965	50.1			
2	2	6.972	6.972	0.000	134093360	50.0			
						RPD = 0.12			
35 4,4'-DDT									
1	-65	7.328	7.328	0.000	145783733	49.4			
2	2	7.187	7.187	0.000	116416844	49.4			
						RPD = 0.10			
36 Endrin aldehyde									
1	-65	7.622	7.622	0.000	125173195	50.2			
2	2	7.301	7.301	0.000	110681276	49.8			
						RPD = 0.97			
37 Methoxychlor									
1	-65	7.780	7.780	0.000	71546698	49.9			
2	2	7.838	7.838	0.000	55666232	50.2			
						RPD = 0.68			
38 Mirex									
1	100	7.934	7.934	0.000	114469004	49.4			
2	2	8.008	8.008	0.000	88596444	49.6			
						RPD = 0.36			
39 Endosulfan sulfate									
1	-65	8.031	8.031	0.000	137029506	49.6			
2	2	7.564	7.564	0.000	121360459	49.8			
						RPD = 0.42			
40 Endrin ketone									
1	-65	8.289	8.289	0.000	157496367	50.0			
2	2	8.052	8.052	0.000	131236892	49.9			
						RPD = 0.23			
$ 41 DCB Decachlorobiphenyl									
1	1	9.212	9.212	0.000	103571263	49.5			
2	2	9.171	9.171	0.000	93832035	49.4			
						RPD = 0.09			

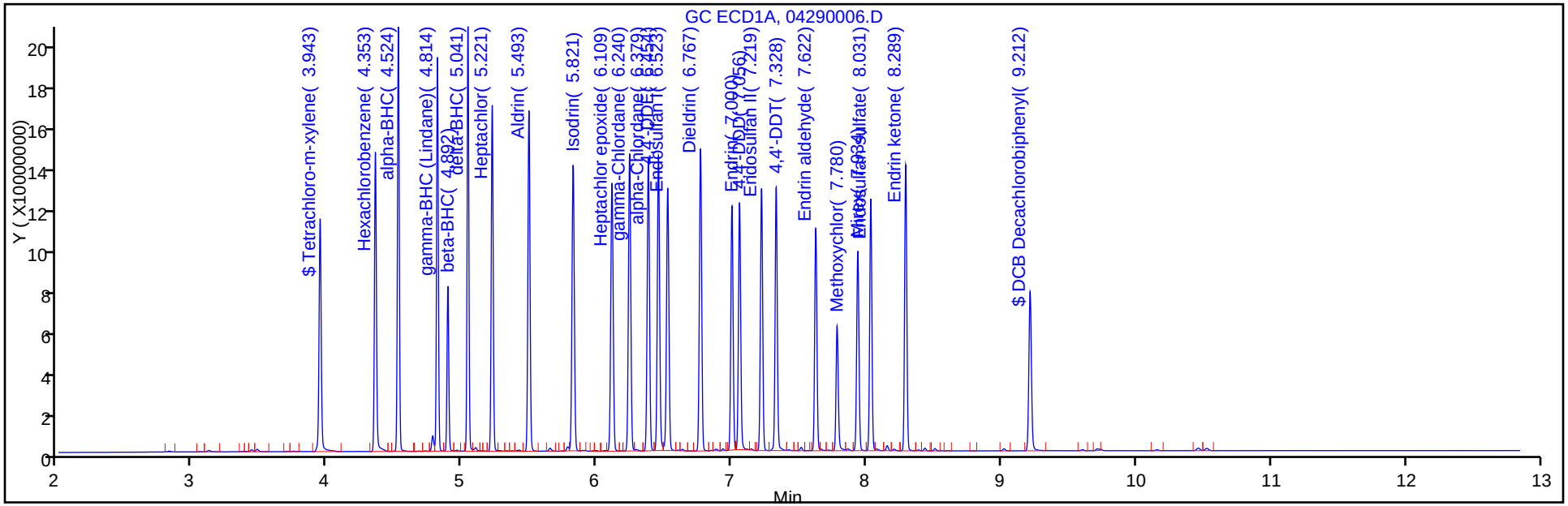
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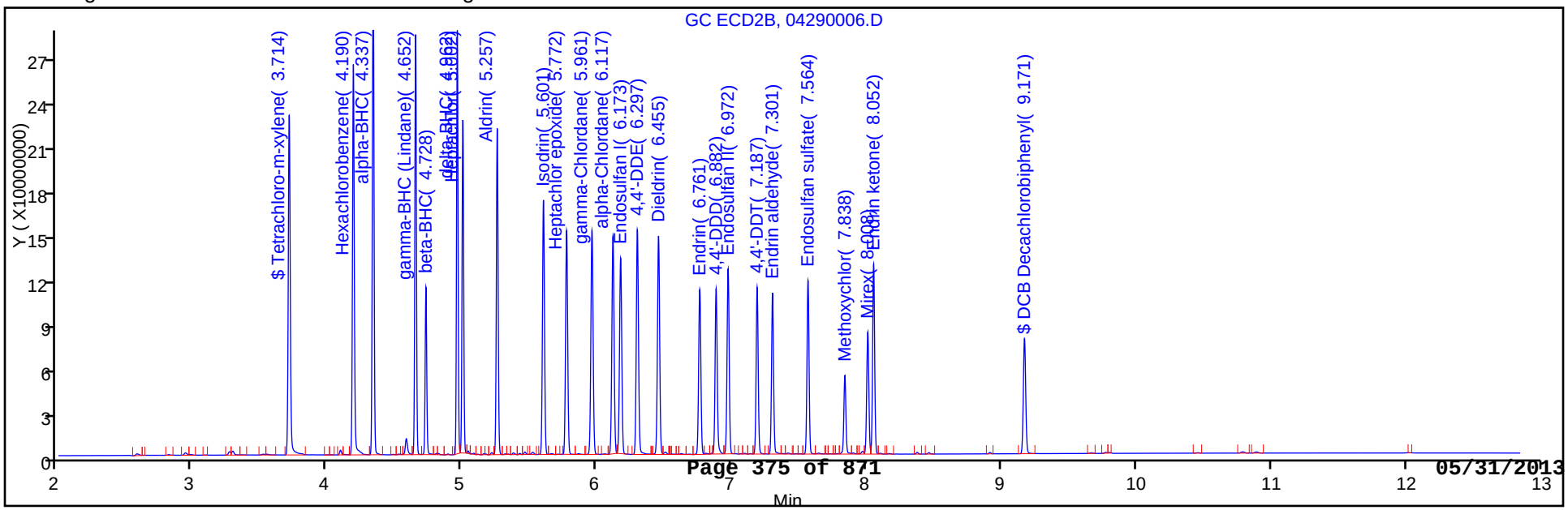
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Injection Date:	29-Apr-2013 14:23:54	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	6
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290007.D
Lims ID: STD3 AB Client ID:
Inject. Date: 29-Apr-2013 14:41:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD3 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 171763 Lims Sample ID: 7
Sublist: chrom-8081 P1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m
Last Update: 30-Apr-2013 14:00:13 Calib Date: 29-Apr-2013 22:51:18
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290035.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						103.5			
2						101.8			
						RPD = 1.64			
$ 7 Tetrachloro-m-xylene									
1	100	3.942	3.943	-0.001	67495627	25.8			
2	2	3.713	3.714	-0.001	120976045	25.4			
						RPD = 1.39			
8 Hexachlorobenzene									
1	100	4.353	4.353	0.000	79252570	25.7			
2	2	4.190	4.190	0.000	124508216	25.4			
						RPD = 1.49			
10 alpha-BHC									
1	-65	4.523	4.524	-0.001	98490135	25.4			
2	2	4.337	4.337	0.000	141209589	24.9			
						RPD = 1.86			
11 gamma-BHC (Lindane)									
1	-65	4.813	4.814	-0.001	89355414	25.5			
2	2	4.652	4.652	0.000	112717293	25.0			
						RPD = 1.97			
12 beta-BHC									
1	100	4.892	4.892	0.000	37687553	25.6			
2	2	4.728	4.728	0.000	46117956	25.3			
						RPD = 1.32			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	5.041	5.041	0.000	94501265	25.6			
2	2	4.962	4.962	0.000	108882011	25.2			
						RPD = 1.50			
15 Heptachlor									
1	100	5.221	5.221	0.000	88128776	26.0			
2	2	5.002	5.002	0.000	95499575	25.6			
						RPD = 1.34			
16 Aldrin									
1	-65	5.493	5.493	0.000	93340609	25.8			
2	2	5.258	5.257	0.001	99294854	25.3			
						RPD = 1.97			
18 Isodrin									
1	100	5.822	5.821	0.001	88127613	26.0			
2	2	5.602	5.601	0.001	89405717	25.6			
						RPD = 1.56			
22 Heptachlor epoxide									
1	-65	6.109	6.109	0.000	86839997	26.3			
2	2	5.773	5.772	0.001	82550572	25.5			
						RPD = 2.87			
23 gamma-Chlordane									
1	-65	6.240	6.240	0.000	90329491	25.6			
2	2	5.962	5.961	0.001	86503841	25.2			
						RPD = 1.48			
24 alpha-Chlordane									
1	-65	6.380	6.379	0.001	87808712	25.6			
2	2	6.117	6.117	0.000	84340388	25.4			
						RPD = 0.87			
25 4,4'-DDE									
1	-65	6.454	6.454	0.000	89087129	25.7			
2	2	6.298	6.297	0.001	85971047	25.2			
						RPD = 1.82			
26 Endosulfan I									
1	100	6.523	6.523	0.000	83436663	26.4			
2	2	6.174	6.173	0.001	77829896	25.9			
						RPD = 1.80			
28 Dieldrin									
1	100	6.766	6.767	-0.001	91822900	26.2			
2	2	6.456	6.455	0.001	83674562	25.5			
						RPD = 2.85			
30 Endrin									
1	-65	6.999	7.000	-0.001	72936742	25.8			
2	2	6.762	6.761	0.001	64085120	25.5			
						RPD = 1.11			
32 4,4'-DDD									
1	100	7.056	7.056	0.000	72468510	25.9			
2	2	6.882	6.882	0.000	63808812	25.9			
						RPD = 0.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	7.220	7.219	0.001	78983483	26.4			
2	2	6.972	6.972	0.000	71525027	26.3			
						RPD = 0.15			
35 4,4'-DDT									
1	-65	7.328	7.328	0.000	76139161	25.8			
2	2	7.187	7.187	0.000	59956203	25.4			
						RPD = 1.62			
36 Endrin aldehyde									
1	-65	7.622	7.622	0.000	66578170	26.3			
2	2	7.302	7.301	0.001	58624790	26.0			
						RPD = 1.15			
37 Methoxychlor									
1	-65	7.781	7.780	0.001	38424485	26.4			
2	2	7.839	7.838	0.001	28534603	25.5			
						RPD = 3.52			
38 Mirex									
1	100	7.933	7.934	-0.001	60935505	25.9			
2	2	8.008	8.008	0.000	46419906	25.5			
						RPD = 1.31			
39 Endosulfan sulfate									
1	-65	8.031	8.031	0.000	73084695	26.2			
2	2	7.565	7.564	0.001	63327130	25.7			
						RPD = 1.86			
40 Endrin ketone									
1	-65	8.290	8.289	0.001	84736629	26.6			
2	2	8.052	8.052	0.000	68353091	25.7			
						RPD = 3.16			
$ 41 DCB Decachlorobiphenyl									
1	1	9.212	9.212	0.000	55004291	25.8			
2	2	9.171	9.171	0.000	49203692	25.6			
						RPD = 0.88			

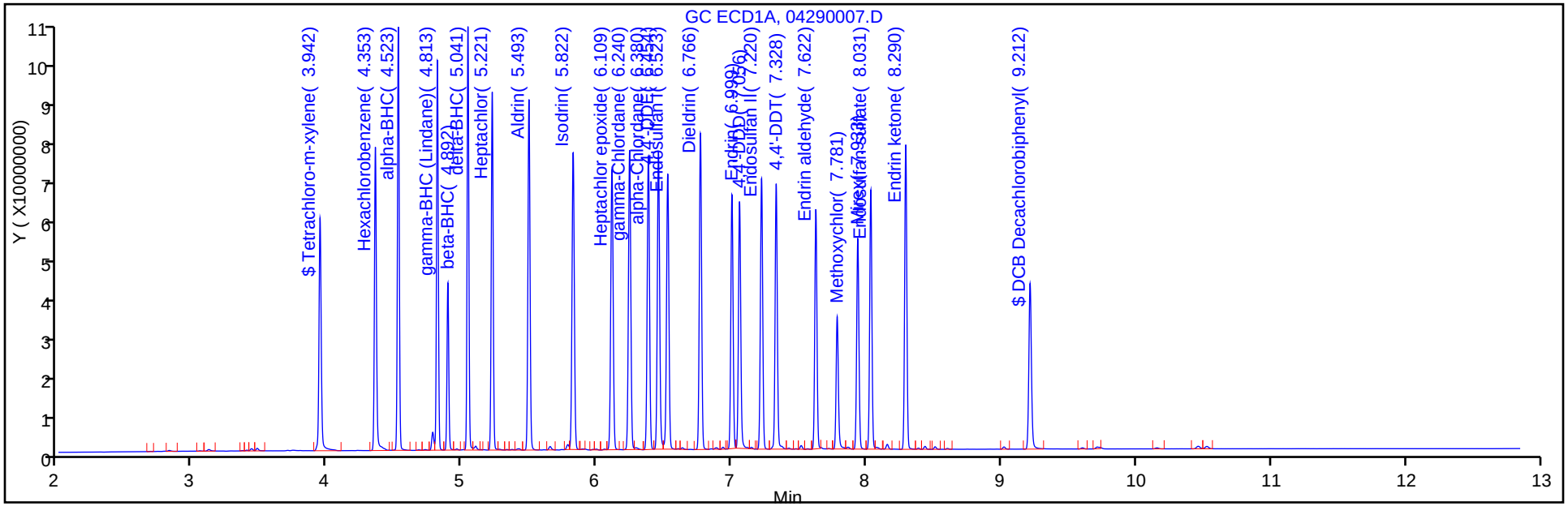
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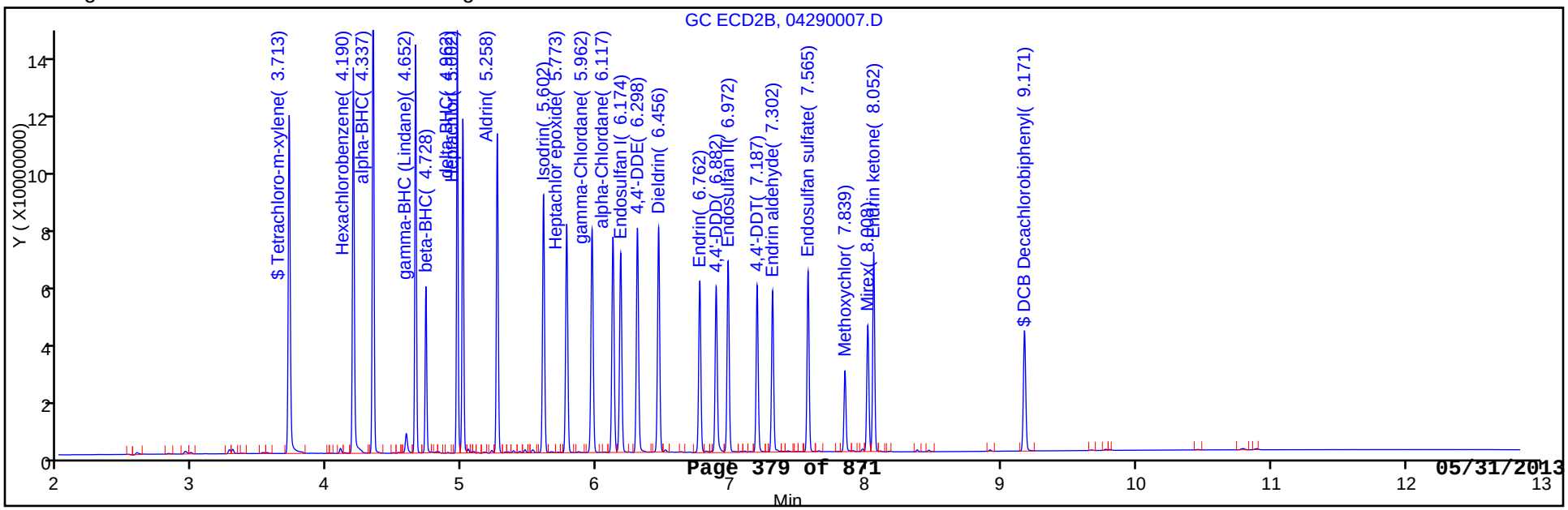
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Injection Date:	29-Apr-2013 14:41:30	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	7
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290008.D		
Lims ID:	STD2 AB	Client ID:	
Inject. Date:	29-Apr-2013 14:58:41	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P1
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	171763	Lims Sample ID:	8
Sublist:	chrom-8081 P1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m		
Last Update:	30-Apr-2013 14:00:15	Calib Date:	29-Apr-2013 22:51:18
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290035.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						40.8			
2						40.4			
						RPD = 1.00			
$ 7 Tetrachloro-m-xylene									
1	100	3.942	3.943	-0.001	27098579	10.1			
2	2	3.713	3.714	-0.001	49046304	10.1			
						RPD = 0.61			
8 Hexachlorobenzene									
1	100	4.352	4.353	-0.001	32764912	10.4			
2	2	4.190	4.190	0.000	51315188	10.1			
						RPD = 2.86			
10 alpha-BHC									
1	-65	4.523	4.524	-0.001	38925734	10.1			
2	2	4.337	4.337	0.000	55645906	9.87			
						RPD = 2.22			
11 gamma-BHC (Lindane)									
1	-65	4.813	4.814	-0.001	35603510	10.1			
2	2	4.652	4.652	0.000	44986871	9.93			
						RPD = 1.72			
12 beta-BHC									
1	100	4.891	4.892	-0.001	15487603	10.2			
2	2	4.728	4.728	0.000	19560887	10.3			
						RPD = 0.84			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	5.040	5.041	-0.001	37915845	10.1			
2	2	4.962	4.962	0.000	43095605	9.94			
						RPD = 1.74			
15 Heptachlor									
1	100	5.220	5.221	-0.001	35747624	10.3			
2	2	5.002	5.002	0.000	38776106	10.2			
						RPD = 1.58			
16 Aldrin									
1	-65	5.493	5.493	0.000	37059567	10.1			
2	2	5.258	5.257	0.001	39339193	9.94			
						RPD = 1.92			
18 Isodrin									
1	100	5.821	5.821	0.000	35751968	10.3			
2	2	5.602	5.601	0.001	35952785	10.0			
						RPD = 2.22			
22 Heptachlor epoxide									
1	-65	6.108	6.109	-0.001	35282363	10.4			
2	2	5.773	5.772	0.001	33941133	10.2			
						RPD = 1.47			
23 gamma-Chlordane									
1	-65	6.240	6.240	0.000	35669710	9.93			
2	2	5.962	5.961	0.001	34675993	9.95			
						RPD = 0.14			
24 alpha-Chlordane									
1	-65	6.379	6.379	0.000	35379403	10.1			
2	2	6.117	6.117	0.000	34174369	10.0			
						RPD = 1.06			
25 4,4'-DDE									
1	-65	6.454	6.454	0.000	35018868	10.1			
2	2	6.299	6.297	0.002	34255355	9.97			
						RPD = 0.85			
26 Endosulfan I									
1	100	6.522	6.523	-0.001	33975435	10.4			
2	2	6.174	6.173	0.001	32030826	10.2			
						RPD = 1.57			
28 Dieldrin									
1	100	6.766	6.767	-0.001	36762310	10.3			
2	2	6.455	6.455	0.000	33660228	10.1			
						RPD = 2.20			
30 Endrin									
1	-65	7.000	7.000	0.000	29246141	10.3			
2	2	6.761	6.761	0.000	25795060	9.99			
						RPD = 3.33			
32 4,4'-DDD									
1	100	7.056	7.056	0.000	28259936	10.0			
2	2	6.883	6.882	0.001	25103605	9.88			
						RPD = 1.28			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	7.219	7.219	0.000	32404195	10.5			
2	2	6.972	6.972	0.000	28594988	10.1			
						RPD = 3.24			
35 4,4'-DDT									
1	-65	7.328	7.328	0.000	29072866	9.89			
2	2	7.188	7.187	0.001	23614571	9.93			
						RPD = 0.43			
36 Endrin aldehyde									
1	-65	7.622	7.622	0.000	27180829	10.3			
2	2	7.302	7.301	0.001	23860803	10.2			
						RPD = 0.69			
37 Methoxychlor									
1	-65	7.781	7.780	0.001	16005685	10.5			
2	2	7.839	7.838	0.001	11805280	10.2			
						RPD = 2.59			
38 Mirex									
1	100	7.934	7.934	0.000	25322561	10.2			
2	2	8.008	8.008	0.000	19497629	10.2			
						RPD = 0.32			
39 Endosulfan sulfate									
1	-65	8.029	8.031	-0.002	29889604	10.3			
2	2	7.565	7.564	0.001	26029316	10.2			
						RPD = 1.52			
40 Endrin ketone									
1	-65	8.289	8.289	0.000	34787487	10.4			
2	2	8.052	8.052	0.000	27882052	10.2			
						RPD = 2.69			
$ 41 DCB Decachlorobiphenyl									
1	1	9.212	9.212	0.000	23147674	10.3			
2	2	9.172	9.171	0.001	20266364	10.1			
						RPD = 1.63			

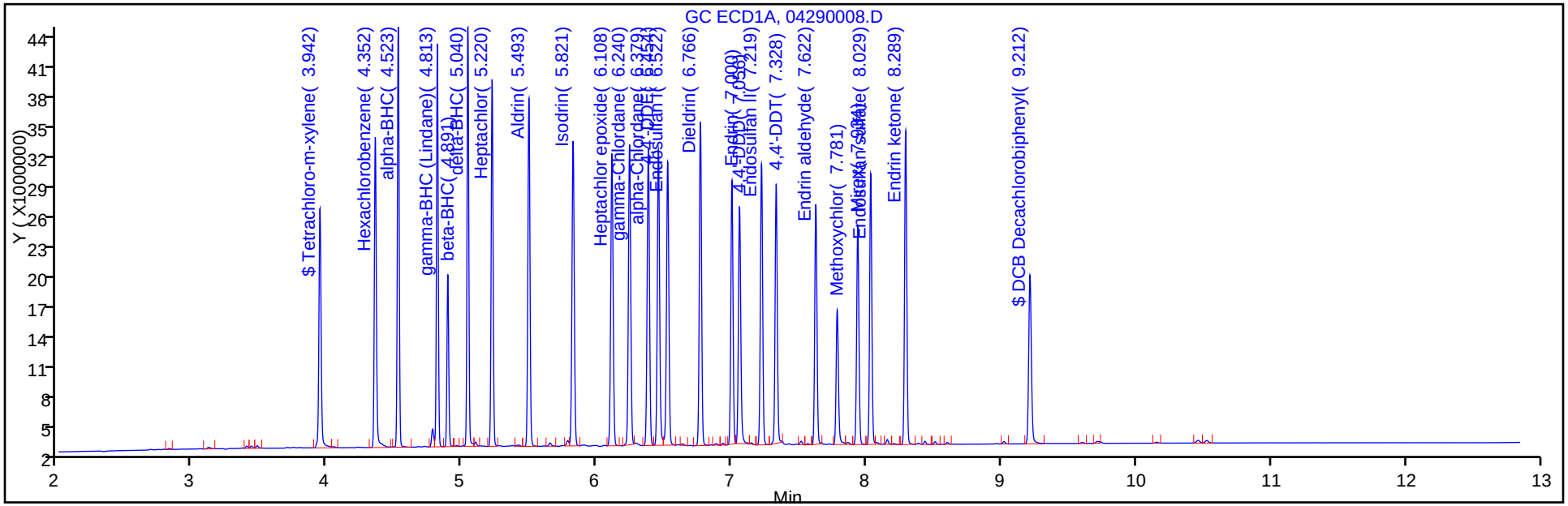
Report Date: 30-Apr-2013 14:00:15 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

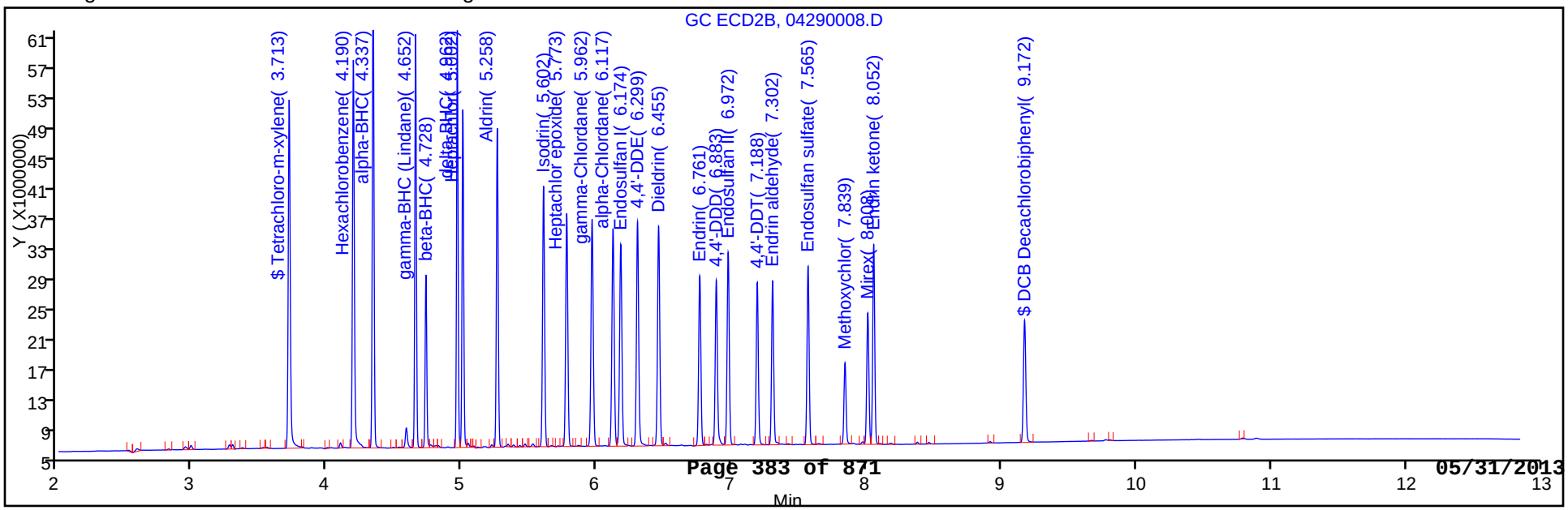
Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290008.D

Injection Date:	29-Apr-2013 14:58:41	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	8
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290009.D
Lims ID: STD1 AB Client ID:
Inject. Date: 29-Apr-2013 15:16:09 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD1 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 171763 Lims Sample ID: 9
Sublist: chrom-8081 P1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m
Last Update: 30-Apr-2013 14:00:17 Calib Date: 29-Apr-2013 22:51:18
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290035.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 30-Apr-2013 06:53:09

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						15.8			
2						15.9			
						RPD = 0.62			
$ 7 Tetrachloro-m-xylene									
1	100	3.943	3.943	0.000	11192632	3.97			
2	2	3.714	3.714	0.000	20548819	3.98			
						RPD = 0.41			
8 Hexachlorobenzene									
1	100	4.354	4.353	0.001	13276419	3.93			
2	2	4.190	4.190	0.000	22094995	3.98			
						RPD = 1.27			
10 alpha-BHC									
1	-65	4.524	4.524	0.000	15173032	3.98			
2	2	4.337	4.337	0.000	22468488	4.02			
						RPD = 1.06			
11 gamma-BHC (Lindane)									
1	-65	4.814	4.814	0.000	14169626	3.98			
2	2	4.651	4.652	-0.001	18330592	4.01			
						RPD = 0.89			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									
1	100	4.891	4.892	-0.001	6498129	3.96			
2	2	4.728	4.728	0.000	8341394	3.95			
						RPD = 0.16			
13 delta-BHC									
1	100	5.040	5.041	-0.001	15426470	3.97			
2	2	4.961	4.962	-0.001	17495133	4.01			
						RPD = 0.86			
15 Heptachlor									
1	100	5.220	5.221	-0.001	14362864	3.93			
2	2	5.002	5.002	0.000	16055120	3.96			
						RPD = 0.82			
16 Aldrin									
1	-65	5.493	5.493	0.000	14894629	3.97			
2	2	5.258	5.257	0.001	16158605	4.00			
						RPD = 0.98			
18 Isodrin									
1	100	5.820	5.821	-0.001	14632552	3.94			
2	2	5.601	5.601	0.000	15074088	3.98			
						RPD = 1.06			
22 Heptachlor epoxide									
1	-65	6.110	6.109	0.001	14417401	3.92			
2	2	5.773	5.772	0.001	14110212	3.96			
						RPD = 0.98			
23 gamma-Chlordane									
1	-65	6.240	6.240	0.000	14989599	4.00			
2	2	5.961	5.961	0.000	14544832	4.00			
						RPD = 0.16			
24 alpha-Chlordane									
1	-65	6.380	6.379	0.001	14391215	3.97			
2	2	6.117	6.117	0.000	14364989	3.99			
						RPD = 0.53			
25 4,4'-DDE									
1	-65	6.454	6.454	0.000	14012834	3.98			
2	2	6.299	6.297	0.002	14028428	4.00			
						RPD = 0.55			
26 Endosulfan I									
1	100	6.523	6.523	0.000	14044728	3.92			
2	2	6.174	6.173	0.001	13786355	3.95			
						RPD = 0.89			
28 Dieldrin									
1	100	6.766	6.767	-0.001	14802206	3.93			
2	2	6.455	6.455	0.000	13930026	3.98			
						RPD = 1.22			
30 Endrin									
1	-65	6.999	7.000	-0.001	11772994	4.16			
2	2	6.760	6.761	-0.001	10971499	3.99			
						RPD = 3.99			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
32 4,4'-DDD									
1	100	7.056	7.056	0.000	11514033	3.98			
2	2	6.883	6.882	0.001	10864814	4.00			
						RPD = 0.54			
34 Endosulfan II									
1	100	7.220	7.219	0.001	13269148	3.91			
2	2	6.971	6.972	-0.001	12293872	3.96			
						RPD = 1.29			
35 4,4'-DDT									
1	-65	7.328	7.328	0.000	11665392	4.00			
2	2	7.187	7.187	0.000	9680545	4.00			
						RPD = 0.05			
36 Endrin aldehyde									
1	-65	7.622	7.622	0.000	11590725	3.93			
2	2	7.301	7.301	0.000	10099040	3.95			
						RPD = 0.46			
37 Methoxychlor									
1	-65	7.782	7.780	0.002	6769150	3.90			
2	2	7.839	7.838	0.001	4977914	3.96			
						RPD = 1.44			
38 Mirex									
1	100	7.934	7.934	0.000	11009340	3.95			
2	2	8.008	8.008	0.000	8540188	3.96			
						RPD = 0.28			
39 Endosulfan sulfate									
1	-65	8.030	8.031	-0.001	12487801	3.93			
2	2	7.565	7.564	0.001	11139097	3.96			
						RPD = 0.81			
40 Endrin ketone									
1	-65	8.290	8.289	0.001	14583454	3.91			
2	2	8.052	8.052	0.000	11802354	3.96			
						RPD = 1.46			
$ 41 DCB Decachlorobiphenyl									
1	1	9.213	9.212	0.001	10202461	3.95			
2	2	9.172	9.171	0.001	8826924	3.98			
						RPD = 0.74			

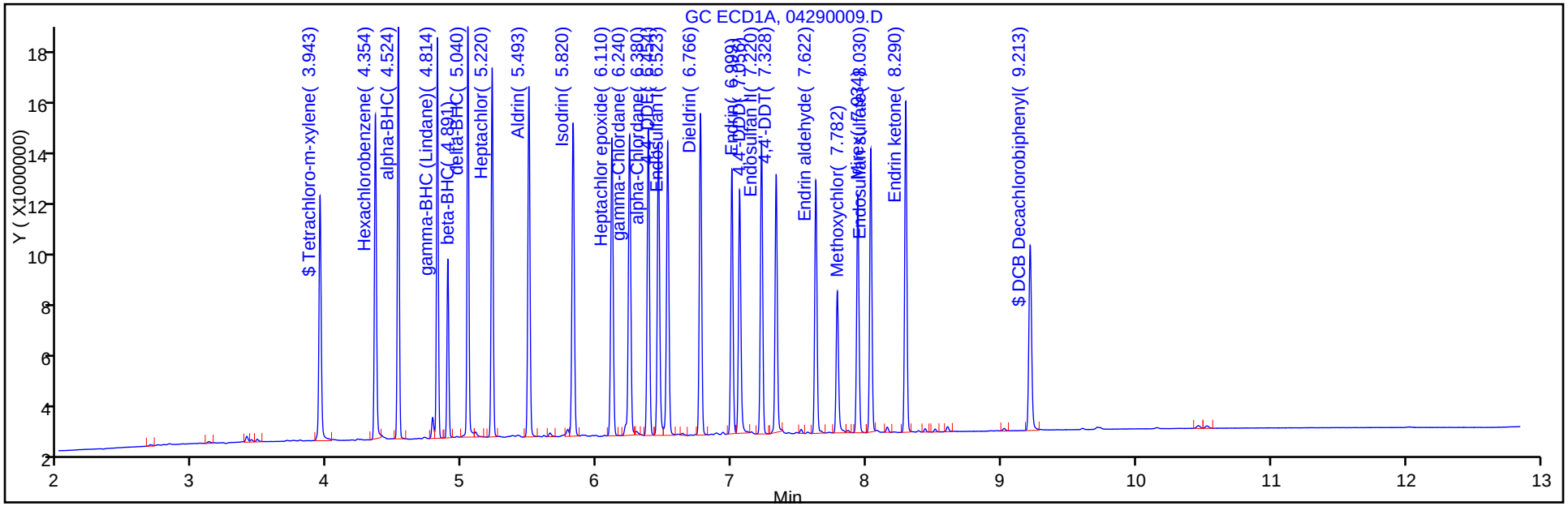
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TestAmerica Denver

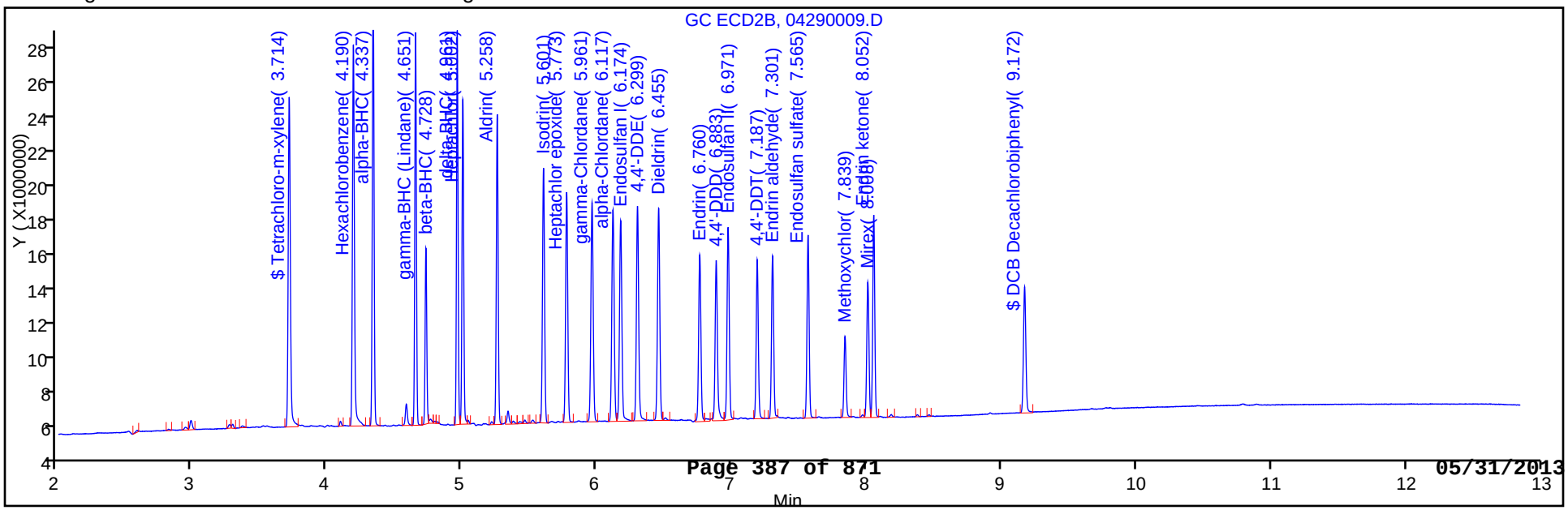
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Injection Date:	29-Apr-2013 15:16:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	9
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 171763

SDG No.:

Instrument ID: SGC_P1 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2013 13:49 Calibration End Date: 04/29/2013 15:16 Calibration ID: 13796

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-171763/9	04290009.D
Level 2	STD2 280-171763/8	04290008.D
Level 3	STD3 280-171763/7	04290007.D
Level 4	STD4 280-171763/6	04290006.D
Level 5	STD5 280-171763/5	04290005.D
Level 6	STD6 280-171763/4	04290004.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Hexachlorobenzene	4.190	4.190	4.190	4.190	4.190	4.190					4.180 - 4.200	4.190
alpha-BHC	4.337	4.337	4.337	4.337	4.337	4.337					4.327 - 4.347	4.337
gamma-BHC (Lindane)	4.651	4.652	4.652	4.652	4.652	4.652					4.642 - 4.662	4.652
beta-BHC	4.728	4.728	4.728	4.728	4.729	4.729					4.718 - 4.738	4.728
delta-BHC	4.961	4.962	4.962	4.962	4.961	4.961					4.952 - 4.972	4.962
Heptachlor	5.002	5.002	5.002	5.002	5.003	5.002					4.992 - 5.012	5.002
Aldrin	5.258	5.258	5.258	5.257	5.258	5.258					5.247 - 5.267	5.258
Isodrin	5.601	5.602	5.602	5.601	5.601	5.601					5.591 - 5.611	5.601
Heptachlor epoxide	5.773	5.773	5.773	5.772	5.773	5.773					5.762 - 5.782	5.773
gamma-Chlordane	5.961	5.962	5.962	5.961	5.961	5.961					5.951 - 5.971	5.961
alpha-Chlordane	6.117	6.117	6.117	6.117	6.117	6.117					6.107 - 6.127	6.117
Endosulfan I	6.174	6.174	6.174	6.173	6.174	6.174					6.163 - 6.183	6.174
4,4'-DDE	6.299	6.299	6.298	6.297	6.299	6.298					6.287 - 6.307	6.298
Dieldrin	6.455	6.455	6.456	6.455	6.455	6.455					6.445 - 6.465	6.455
Endrin	6.760	6.761	6.762	6.761	6.760	6.761					6.751 - 6.771	6.761
4,4'-DDD	6.883	6.883	6.882	6.882	6.882	6.883					6.872 - 6.892	6.883
Endosulfan II	6.971	6.972	6.972	6.972	6.971	6.971					6.962 - 6.982	6.972
4,4'-DDT	7.187	7.188	7.187	7.187	7.187	7.187					7.177 - 7.197	7.187
Endrin aldehyde	7.301	7.302	7.302	7.301	7.301	7.301					7.291 - 7.311	7.301
Endosulfan sulfate	7.565	7.565	7.565	7.564	7.564	7.565					7.554 - 7.574	7.565
Methoxychlor	7.839	7.839	7.839	7.838	7.838	7.838					7.828 - 7.848	7.839
Mirex	8.008	8.008	8.008	8.008	8.008	8.008					7.998 - 8.018	8.008
Endrin ketone	8.052	8.052	8.052	8.052	8.051	8.052					8.042 - 8.062	8.052
Tetrachloro-m-xylene	3.714	3.713	3.713	3.714	3.714	3.714					3.704 - 3.724	3.714
DCB Decachlorobiphenyl	9.172	9.172	9.171	9.171	9.171	9.172					9.161 - 9.181	9.172

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 171763

SDG No.:

Instrument ID: SGC_P1 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2013 13:49 Calibration End Date: 04/29/2013 15:16 Calibration ID: 13796

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-171763/9	04290009.D
Level 2	STD2 280-171763/8	04290008.D
Level 3	STD3 280-171763/7	04290007.D
Level 4	STD4 280-171763/6	04290006.D
Level 5	STD5 280-171763/5	04290005.D
Level 6	STD6 280-171763/4	04290004.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Hexachlorobenzene	5523749 4731164	5131519 4837396	4980329	4848362	Lin2	3018893.93	4790721.72							1.0000		0.9900
alpha-BHC	5617122 5569835	5564591 5809116	5648384	5693382	Lin2	-359017.56	5676333.94							1.0000		0.9900
gamma-BHC (Lindane)	4582648 4403323	4498687 4613018	4508692	4537452	Lin2	254857.967	4505563.51							1.0000		0.9900
beta-BHC	2085349 1732494	1956089 1786662	1844718	1807341	Lin2	1334946.79	1772362.42							0.9990		0.9900
delta-BHC	4373783 4218117	4309561 4405222	4355280	4327552	Lin2	194045.109	4317571.46							1.0000		0.9900
Heptachlor	4013780 3541550	3877611 3687431	3819983	3706405	Lin2	1532356.46	3663789.82							0.9990		0.9900
Aldrin	4039651 3851097	3933919 3951698	3971794	3912323	Lin2	516891.835	3906082.84							1.0000		0.9900
Isodrin	3768522 3394389	3595279 3455093	3576229	3462687	Lin2	1354363.78	3444217.78							1.0000		0.9900
Heptachlor epoxide	3527553 3111421	3394113 3166978	3302023	3195653	Lin2	1560074.58	3170284.69							1.0000		0.9900
gamma-Chlordane	3636208 3343959	3467599 3448048	3460154	3391884	Lin2	981253.120	3387107.17							1.0000		0.9900
alpha-Chlordane	3591247 3232573	3417437 3315634	3373616	3273272	Lin2	1312308.15	3272518.58							1.0000		0.9900
Endosulfan I	3446589 2866992	3203083 2904811	3113196	2956237	Lin2	2240684.55	2919990.64							0.9990		0.9900
4,4'-DDE	3507107 3345286	3425536 3418678	3438842	3389426	Lin2	485518.517	3385747.13							1.0000		0.9900
Dieldrin	3482507 3198210	3366023 3243193	3346982	3270644	Lin2	1007962.21	3245129.16							1.0000		0.9900
Endrin	2742875 2446301	2579506 2507893	2563405	2470972	Lin2	1093114.68	2472878.09							1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 171763

SDG No.:

Instrument ID: SGC_P1 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2013 13:49 Calibration End Date: 04/29/2013 15:16 Calibration ID: 13796

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDD	2716204 2390012	2510361 2444499	2552352	2424140	Lin2	1171281.96	2421668.73							0.9990		0.9900
Endosulfan II	3073468 2596015	2859499 2593305	2861001	2681867	Lin2	1824829.94	2645732.60							0.9990		0.9900
4,4'-DDT	2420136 2323889	2361457 2386547	2398248	2328337	Lin2	267405.604	2350456.36							1.0000		0.9900
Endrin aldehyde	2524760 2163890	2386080 2160565	2344992	2213626	Lin2	1428211.24	2195836.74							0.9990		0.9900
Endosulfan sulfate	2784774 2381925	2602932 2391857	2533085	2427209	Lin2	1607653.80	2404188.71							1.0000		0.9900
Methoxychlor	1244479 1082950	1180528 1085999	1141384	1113325	Lin2	638613.507	1095321.93							1.0000		0.9900
Mirex	2135047 1753674	1949763 1753093	1856796	1771929	Lin2	1587034.37	1755431.09							1.0000		0.9900
Endrin ketone	2950589 2577982	2788205 2566140	2734124	2624738	Lin2	1502814.59	2598426.24							1.0000		0.9900
Tetrachloro-m-xylene	5137205 4611611	4904630 4695730	4839042	4720116	Lin2	1916896.46	4679613.28							1.0000		0.9900
DCB Decachlorobiphenyl	2206731 1873935	2026636 1870860	1968148	1876641	Lin2	1389550.60	1870135.40							1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 171763

SDG No.:

Instrument ID: SGC_P1 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2013 13:49 Calibration End Date: 04/29/2013 15:16 Calibration ID: 13796

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-171763/9	04290009.D
Level 2	STD2 280-171763/8	04290008.D
Level 3	STD3 280-171763/7	04290007.D
Level 4	STD4 280-171763/6	04290006.D
Level 5	STD5 280-171763/5	04290005.D
Level 6	STD6 280-171763/4	04290004.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Hexachlorobenzene	Lin2	22094995 483739555	51315188	124508216	242418083	354837323	4.00 100	10.0	25.0	50.0	75.0
alpha-BHC	Lin2	22468488 580911639	55645906	141209589	284669106	417737601	4.00 100	10.0	25.0	50.0	75.0
gamma-BHC (Lindane)	Lin2	18330592 461301812	44986871	112717293	226872588	330249210	4.00 100	10.0	25.0	50.0	75.0
beta-BHC	Lin2	8341394 178666171	19560887	46117956	90367037	129937019	4.00 100	10.0	25.0	50.0	75.0
delta-BHC	Lin2	17495133 440522210	43095605	108882011	216377585	316358774	4.00 100	10.0	25.0	50.0	75.0
Heptachlor	Lin2	16055120 368743077	38776106	95499575	185320268	265616274	4.00 100	10.0	25.0	50.0	75.0
Aldrin	Lin2	16158605 395169826	39339193	99294854	195616156	288832305	4.00 100	10.0	25.0	50.0	75.0
Isodrin	Lin2	15074088 345509254	35952785	89405717	173134364	254579147	4.00 100	10.0	25.0	50.0	75.0
Heptachlor epoxide	Lin2	14110212 316697752	33941133	82550572	159782657	233356545	4.00 100	10.0	25.0	50.0	75.0
gamma-Chlordane	Lin2	14544832 344804828	34675993	86503841	169594216	250796936	4.00 100	10.0	25.0	50.0	75.0
alpha-Chlordane	Lin2	14364989 331563384	34174369	84340388	163663588	242442980	4.00 100	10.0	25.0	50.0	75.0
Endosulfan I	Lin2	13786355 290481077	32030826	77829896	147811839	215024432	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDE	Lin2	14028428 341867781	34255355	85971047	169471293	250896456	4.00 100	10.0	25.0	50.0	75.0
Dieldrin	Lin2	13930026 324319291	33660228	83674562	163532176	239865776	4.00 100	10.0	25.0	50.0	75.0
Endrin	Lin2	10971499 250789326	25795060	64085120	123548581	183472586	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDD	Lin2	10864814 244449930	25103605	63808812	121206997	179250913	4.00 100	10.0	25.0	50.0	75.0

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 171763

SDG No.:

Instrument ID: SGC_P1 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2013 13:49 Calibration End Date: 04/29/2013 15:16 Calibration ID: 13796

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endosulfan II	Lin2	12293872 259330471	28594988	71525027	134093360	194701158	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDT	Lin2	9680545 238654659	23614571	59956203	116416844	174291675	4.00 100	10.0	25.0	50.0	75.0
Endrin aldehyde	Lin2	10099040 216056471	23860803	58624790	110681276	162291738	4.00 100	10.0	25.0	50.0	75.0
Endosulfan sulfate	Lin2	11139097 239185661	26029316	63327130	121360459	178644404	4.00 100	10.0	25.0	50.0	75.0
Methoxychlor	Lin2	4977914 108599927	11805280	28534603	55666232	81221219	4.00 100	10.0	25.0	50.0	75.0
Mirex	Lin2	8540188 175309273	19497629	46419906	88596444	131525528	4.00 100	10.0	25.0	50.0	75.0
Endrin ketone	Lin2	11802354 256614019	27882052	68353091	131236892	193348629	4.00 100	10.0	25.0	50.0	75.0
Tetrachloro-m-xylene	Lin2	20548819 469573021	49046304	120976045	236005813	345870854	4.00 100	10.0	25.0	50.0	75.0
DCB Decachlorobiphenyl	Lin2	8826924 187086007	20266364	49203692	93832035	140545137	4.00 100	10.0	25.0	50.0	75.0

Curve Type Legend:
Lin2 = Linear 1/conc^2

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290004.D
Lims ID: STD6 AB Client ID:
Inject. Date: 29-Apr-2013 13:49:09 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD6 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 171763 Lims Sample ID: 4
Sublist: chrom-8081 P1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m
Last Update: 30-Apr-2013 14:00:06 Calib Date: 29-Apr-2013 22:51:18
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290035.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						392.9			
2						402.1			
						RPD = 2.30			
$ 7 Tetrachloro-m-xylene									
1	100	3.942	3.943	-0.001	254919543	98.5			
2	2	3.714	3.714	0.000	469573021	99.9			
						RPD = 1.47			
8 Hexachlorobenzene									
1	100	4.353	4.353	0.000	299185486	98.4			
2	2	4.190	4.190	0.000	483739555	100.3			
						RPD = 1.92			
10 alpha-BHC									
1	-65	4.524	4.524	0.000	388871932	100.1			
2	2	4.337	4.337	0.000	580911639	102.4			
						RPD = 2.28			
11 gamma-BHC (Lindane)									
1	-65	4.814	4.814	0.000	350708935	100.1			
2	2	4.652	4.652	0.000	461301812	102.3			
						RPD = 2.17			
12 beta-BHC									
1	100	4.890	4.892	-0.002	144282553	99.6			
2	2	4.729	4.728	0.001	178666171	100.1			
						RPD = 0.48			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	5.040	5.041	-0.001	366697386	99.8			
2	2	4.961	4.962	-0.001	440522210	102.0			
						RPD = 2.13			
15 Heptachlor									
1	100	5.220	5.221	-0.001	327717023	97.7			
2	2	5.002	5.002	0.000	368743077	100.2			
						RPD = 2.60			
16 Aldrin									
1	-65	5.493	5.493	0.000	354594111	98.5			
2	2	5.258	5.257	0.001	395169826	101.0			
						RPD = 2.57			
18 Isodrin									
1	100	5.820	5.821	-0.001	326699069	97.5			
2	2	5.601	5.601	0.000	345509254	99.9			
						RPD = 2.49			
22 Heptachlor epoxide									
1	-65	6.109	6.109	0.000	313007338	96.1			
2	2	5.773	5.772	0.001	316697752	99.4			
						RPD = 3.33			
23 gamma-Chlordane									
1	-65	6.240	6.240	0.000	348895704	99.9			
2	2	5.961	5.961	0.000	344804828	101.5			
						RPD = 1.65			
24 alpha-Chlordane									
1	-65	6.379	6.379	0.000	337917407	99.3			
2	2	6.117	6.117	0.000	331563384	100.9			
						RPD = 1.66			
25 4,4'-DDE									
1	-65	6.454	6.454	0.000	342463095	99.1			
2	2	6.298	6.297	0.001	341867781	100.8			
						RPD = 1.76			
26 Endosulfan I									
1	100	6.523	6.523	0.000	297717915	95.6			
2	2	6.174	6.173	0.001	290481077	98.7			
						RPD = 3.16			
28 Dieldrin									
1	100	6.766	6.767	-0.001	334711889	96.5			
2	2	6.455	6.455	0.000	324319291	99.6			
						RPD = 3.23			
30 Endrin									
1	-65	7.000	7.000	0.000	271801625	96.0			
2	2	6.761	6.761	0.000	250789326	101.0			
						RPD = 5.07			
32 4,4'-DDD									
1	100	7.056	7.056	0.000	275184328	98.9			
2	2	6.883	6.882	0.001	244449930	100.5			
						RPD = 1.57			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	7.220	7.219	0.001	280512957	95.3			
2	2	6.971	6.972	-0.001	259330471	97.3			
						RPD = 2.09			
35 4,4'-DDT									
1	-65	7.328	7.328	0.000	296017579	100.2			
2	2	7.187	7.187	0.000	238654659	101.4			
						RPD = 1.23			
36 Endrin aldehyde									
1	-65	7.623	7.622	0.001	236835610	95.8			
2	2	7.301	7.301	0.000	216056471	97.7			
						RPD = 2.05			
37 Methoxychlor									
1	-65	7.780	7.780	0.000	135399800	95.2			
2	2	7.838	7.838	0.000	108599927	98.6			
						RPD = 3.44			
38 Mirex									
1	100	7.934	7.934	0.000	225490295	98.1			
2	2	8.008	8.008	0.000	175309273	99.0			
						RPD = 0.83			
39 Endosulfan sulfate									
1	-65	8.030	8.031	-0.001	266206223	97.0			
2	2	7.565	7.564	0.001	239185661	98.8			
						RPD = 1.89			
40 Endrin ketone									
1	-65	8.290	8.289	0.001	296514595	94.9			
2	2	8.052	8.052	0.000	256614019	98.2			
						RPD = 3.38			
$ 41 DCB Decachlorobiphenyl									
1	1	9.212	9.212	0.000	203187047	98.0			
2	2	9.172	9.171	0.001	187086007	99.3			
						RPD = 1.27			

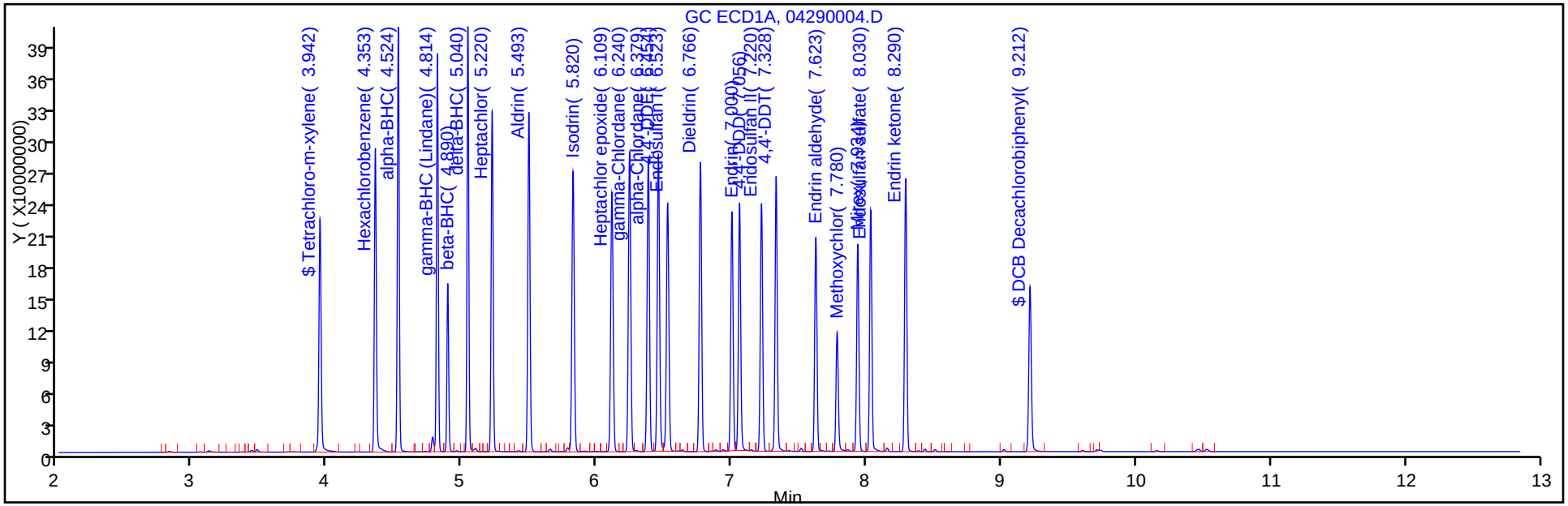
Report Date: 30-Apr-2013 14:00:07 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

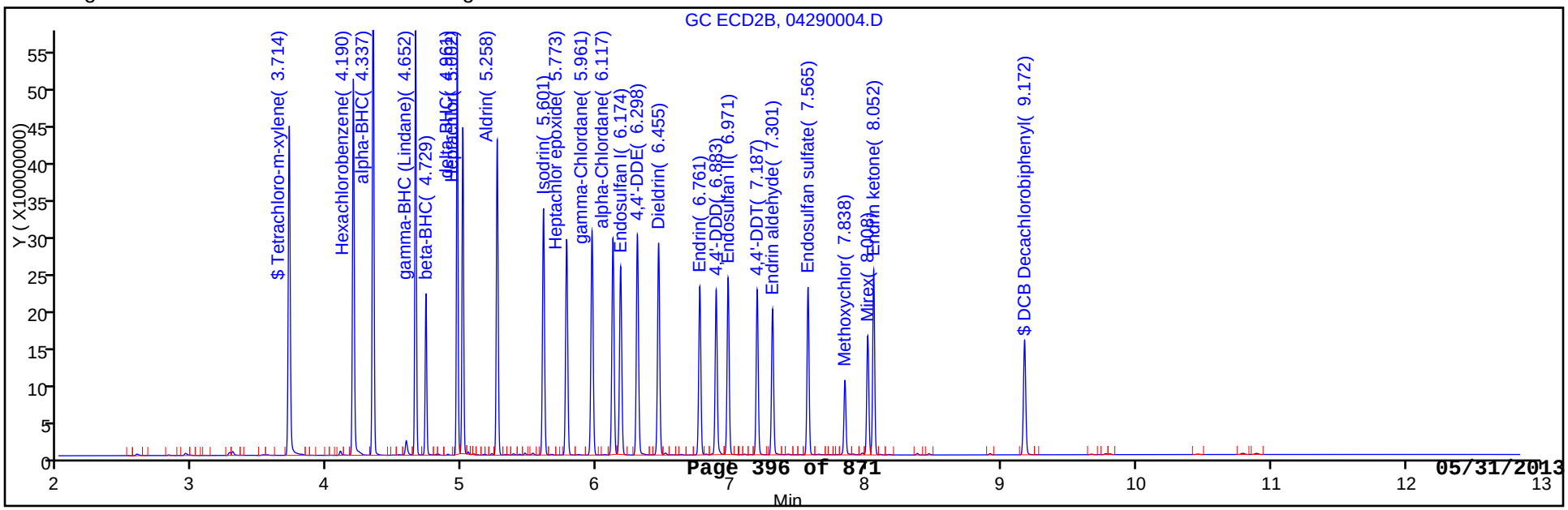
Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290004.D

Injection Date:	29-Apr-2013 13:49:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	4
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290005.D
Lims ID: STD5 AB Client ID:
Inject. Date: 29-Apr-2013 14:06:24 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD5 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 171763 Lims Sample ID: 5
Sublist: chrom-8081 P1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m
Last Update: 30-Apr-2013 14:00:09 Calib Date: 29-Apr-2013 22:51:18
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290035.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 30-Apr-2013 06:51:47

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						291.0			
2						292.6			
						RPD = 0.57			
$ 7 Tetrachloro-m-xylene									
1	100	3.942	3.943	-0.001	189934253	73.3			
2	2	3.714	3.714	0.000	345870854	73.5			
						RPD = 0.31			
8 Hexachlorobenzene									
1	100	4.352	4.353	-0.001	221452851	72.7			
2	2	4.190	4.190	0.000	354837323	73.4			
						RPD = 0.95			
10 alpha-BHC									
1	-65	4.523	4.524	-0.001	283726841	73.0			
2	2	4.337	4.337	0.000	417737601	73.7			
						RPD = 0.83			
11 gamma-BHC (Lindane)									
1	-65	4.813	4.814	-0.001	254857726	72.7			
2	2	4.652	4.652	0.000	330249210	73.2			
						RPD = 0.68			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									
1	100	4.890	4.892	-0.002	105199392	72.5			
2	2	4.729	4.728	0.001	129937019	72.6			
						RPD = 0.15			
13 delta-BHC									
1	100	5.040	5.041	-0.001	266976260	72.6			
2	2	4.961	4.962	-0.001	316358774	73.2			
						RPD = 0.83			
15 Heptachlor									
1	100	5.220	5.221	-0.001	241123980	71.8			
2	2	5.003	5.002	0.001	265616274	72.1			
						RPD = 0.45			
16 Aldrin									
1	-65	5.493	5.493	0.000	263820648	73.2			
2	2	5.258	5.257	0.001	288832305	73.8			
						RPD = 0.80			
18 Isodrin									
1	100	5.821	5.821	0.000	245108728	73.0			
2	2	5.601	5.601	0.000	254579147	73.5			
						RPD = 0.70			
22 Heptachlor epoxide									
1	-65	6.109	6.109	0.000	235463831	72.2			
2	2	5.773	5.772	0.001	233356545	73.1			
						RPD = 1.26			
23 gamma-Chlordane									
1	-65	6.240	6.240	0.000	257316547	73.6			
2	2	5.961	5.961	0.000	250796936	73.8			
						RPD = 0.26			
24 alpha-Chlordane									
1	-65	6.379	6.379	0.000	250294612	73.5			
2	2	6.117	6.117	0.000	242442980	73.7			
						RPD = 0.32			
25 4,4'-DDE									
1	-65	6.453	6.454	-0.001	254216491	73.5			
2	2	6.299	6.297	0.002	250896456	74.0			
						RPD = 0.59			
26 Endosulfan I									
1	100	6.522	6.523	-0.001	226110236	72.5			
2	2	6.174	6.173	0.001	215024432	72.9			
						RPD = 0.52			
28 Dieldrin									
1	100	6.765	6.767	-0.002	252847871	72.8			
2	2	6.455	6.455	0.000	239865776	73.6			
						RPD = 1.12			
30 Endrin									
1	-65	7.000	7.000	0.000	202992619	71.7			
2	2	6.760	6.761	-0.001	183472586	73.8			
						RPD = 2.85			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
32 4,4'-DDD									
1	100	7.055	7.056	-0.001	204107748	73.3			
2	2	6.882	6.882	0.000	179250913	73.5			
						RPD = 0.31			
34 Endosulfan II									
1	100	7.219	7.219	0.000	214237576	72.6			
2	2	6.971	6.972	-0.001	194701158	72.9			
						RPD = 0.35			
35 4,4'-DDT									
1	-65	7.327	7.328	-0.001	219067071	74.2			
2	2	7.187	7.187	0.000	174291675	74.0			
						RPD = 0.15			
36 Endrin aldehyde									
1	-65	7.622	7.622	0.000	180813428	72.9			
2	2	7.301	7.301	0.000	162291738	73.3			
						RPD = 0.46			
37 Methoxychlor									
1	-65	7.780	7.780	0.000	103955401	72.9			
2	2	7.838	7.838	0.000	81221219	73.6			
						RPD = 0.91			
38 Mirex									
1	100	7.933	7.934	-0.001	170173890	73.9			
2	2	8.008	8.008	0.000	131525528	74.0			
						RPD = 0.23			
39 Endosulfan sulfate									
1	-65	8.030	8.031	-0.001	201725007	73.3			
2	2	7.564	7.564	0.000	178644404	73.6			
						RPD = 0.42			
40 Endrin ketone									
1	-65	8.289	8.289	0.000	227485491	72.6			
2	2	8.051	8.052	-0.001	193348629	73.8			
						RPD = 1.63			
$ 41 DCB Decachlorobiphenyl									
1	1	9.211	9.212	-0.001	153693767	73.9			
2	2	9.171	9.171	0.000	140545137	74.4			
						RPD = 0.67			

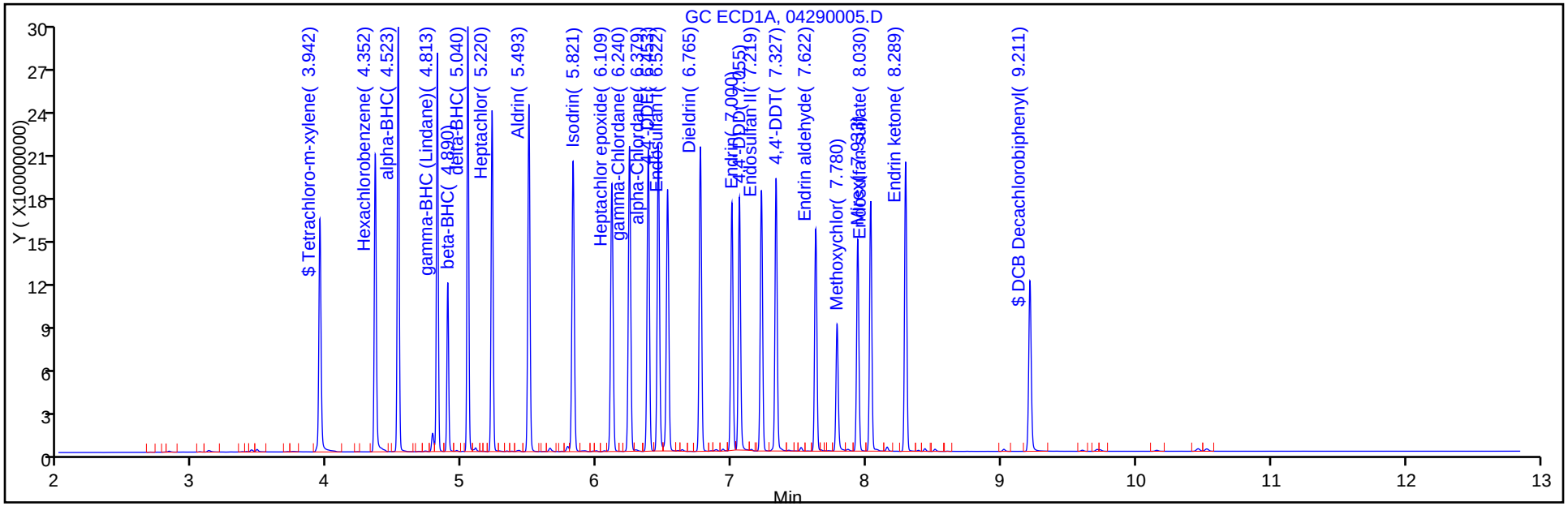
Report Date: 30-Apr-2013 14:00:10 Chrom Revision: 2.0 25-Apr-2013 12:05:30

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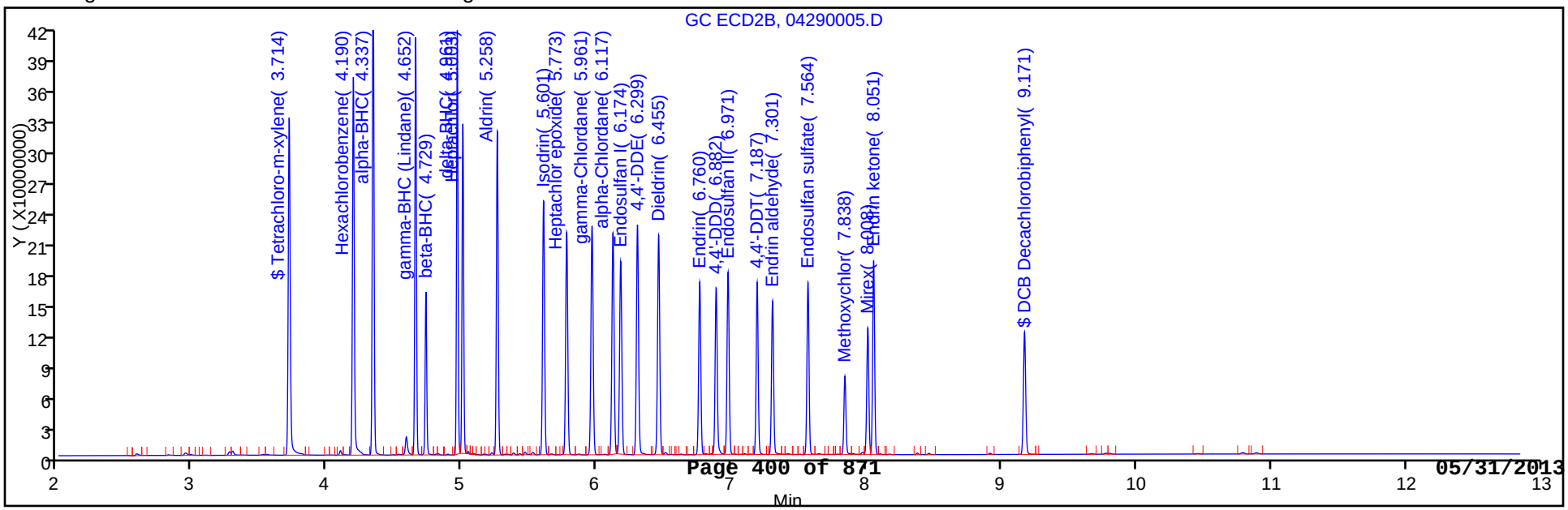
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Injection Date:	29-Apr-2013 14:06:24	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	5
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290006.D
Lims ID: STD4 AB Client ID:
Inject. Date: 29-Apr-2013 14:23:54 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD4 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 171763 Lims Sample ID: 6
Sublist: chrom-8081 P1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m
Last Update: 30-Apr-2013 14:00:11 Calib Date: 29-Apr-2013 22:51:18
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290035.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 30-Apr-2013 06:49:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						201.0			
2						199.5			
						RPD = 0.76			
$ 7 Tetrachloro-m-xylene									
1	100	3.943	3.943	0.000	130133906	50.1			
2	2	3.714	3.714	0.000	236005813	50.0			
						RPD = 0.13			
8 Hexachlorobenzene									
1	100	4.353	4.353	0.000	152036966	49.8			
2	2	4.190	4.190	0.000	242418083	50.0			
						RPD = 0.35			
10 alpha-BHC									
1	-65	4.524	4.524	0.000	195129087	50.3			
2	2	4.337	4.337	0.000	284669106	50.2			
						RPD = 0.10			
11 gamma-BHC (Lindane)									
1	-65	4.814	4.814	0.000	176348860	50.3			
2	2	4.652	4.652	0.000	226872588	50.3			
						RPD = 0.03			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									
1	100	4.892	4.892	0.000	73172599	50.2			
2	2	4.728	4.728	0.000	90367037	50.2			
						RPD = 0.01			
13 delta-BHC									
1	100	5.041	5.041	0.000	185355298	50.3			
2	2	4.962	4.962	0.000	216377585	50.1			
						RPD = 0.55			
15 Heptachlor									
1	100	5.221	5.221	0.000	170301980	50.6			
2	2	5.002	5.002	0.000	185320268	50.2			
						RPD = 0.81			
16 Aldrin									
1	-65	5.493	5.493	0.000	180874718	50.1			
2	2	5.257	5.257	0.000	195616156	49.9			
						RPD = 0.39			
18 Isodrin									
1	100	5.821	5.821	0.000	168468672	50.0			
2	2	5.601	5.601	0.000	173134364	49.9			
						RPD = 0.34			
22 Heptachlor epoxide									
1	-65	6.109	6.109	0.000	164851187	50.4			
2	2	5.772	5.772	0.000	159782657	49.9			
						RPD = 0.95			
23 gamma-Chlordane									
1	-65	6.240	6.240	0.000	175710148	50.1			
2	2	5.961	5.961	0.000	169594216	49.8			
						RPD = 0.71			
24 alpha-Chlordane									
1	-65	6.379	6.379	0.000	170279111	49.9			
2	2	6.117	6.117	0.000	163663588	49.6			
						RPD = 0.55			
25 4,4'-DDE									
1	-65	6.454	6.454	0.000	172971775	50.0			
2	2	6.297	6.297	0.000	169471293	49.9			
						RPD = 0.18			
26 Endosulfan I									
1	100	6.523	6.523	0.000	157577573	50.3			
2	2	6.173	6.173	0.000	147811839	49.9			
						RPD = 0.95			
28 Dieldrin									
1	100	6.767	6.767	0.000	174861120	50.2			
2	2	6.455	6.455	0.000	163532176	50.1			
						RPD = 0.29			
30 Endrin									
1	-65	7.000	7.000	0.000	139047129	49.1			
2	2	6.761	6.761	0.000	123548581	49.5			
						RPD = 0.85			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
32 4,4'-DDD									
1	100	7.056	7.056	0.000	139391794	50.0			
2	2	6.882	6.882	0.000	121206997	49.6			
						RPD = 0.90			
34 Endosulfan II									
1	100	7.219	7.219	0.000	148184965	50.1			
2	2	6.972	6.972	0.000	134093360	50.0			
						RPD = 0.12			
35 4,4'-DDT									
1	-65	7.328	7.328	0.000	145783733	49.4			
2	2	7.187	7.187	0.000	116416844	49.4			
						RPD = 0.10			
36 Endrin aldehyde									
1	-65	7.622	7.622	0.000	125173195	50.2			
2	2	7.301	7.301	0.000	110681276	49.8			
						RPD = 0.97			
37 Methoxychlor									
1	-65	7.780	7.780	0.000	71546698	49.9			
2	2	7.838	7.838	0.000	55666232	50.2			
						RPD = 0.68			
38 Mirex									
1	100	7.934	7.934	0.000	114469004	49.4			
2	2	8.008	8.008	0.000	88596444	49.6			
						RPD = 0.36			
39 Endosulfan sulfate									
1	-65	8.031	8.031	0.000	137029506	49.6			
2	2	7.564	7.564	0.000	121360459	49.8			
						RPD = 0.42			
40 Endrin ketone									
1	-65	8.289	8.289	0.000	157496367	50.0			
2	2	8.052	8.052	0.000	131236892	49.9			
						RPD = 0.23			
$ 41 DCB Decachlorobiphenyl									
1	1	9.212	9.212	0.000	103571263	49.5			
2	2	9.171	9.171	0.000	93832035	49.4			
						RPD = 0.09			

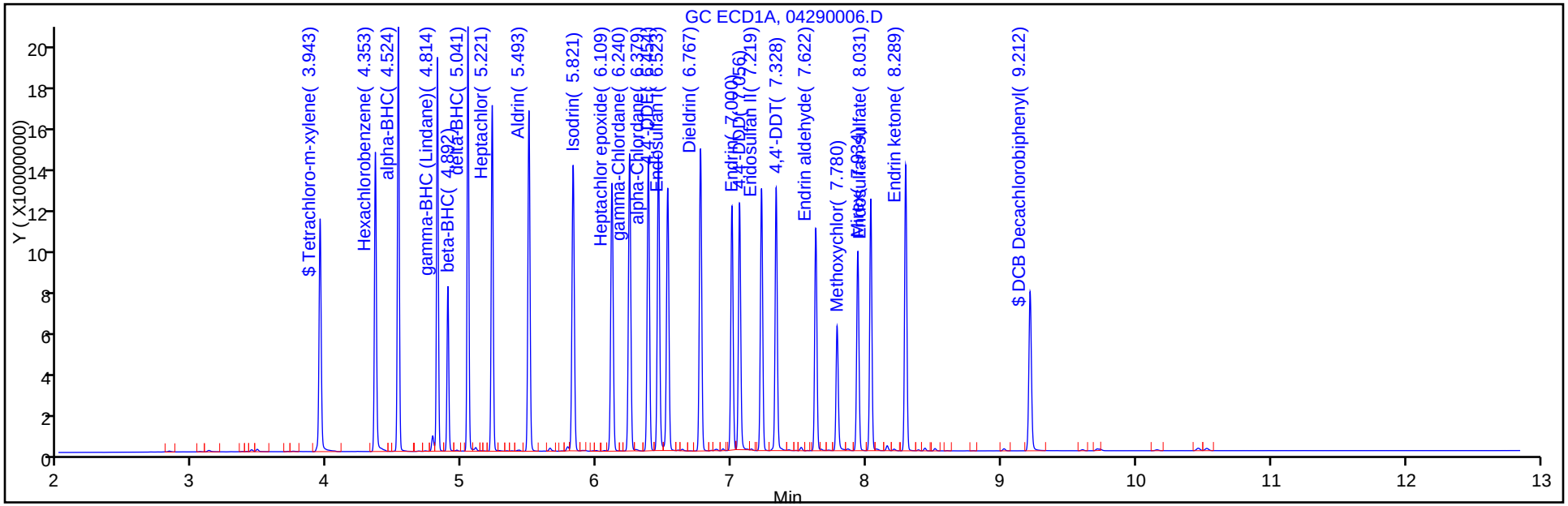
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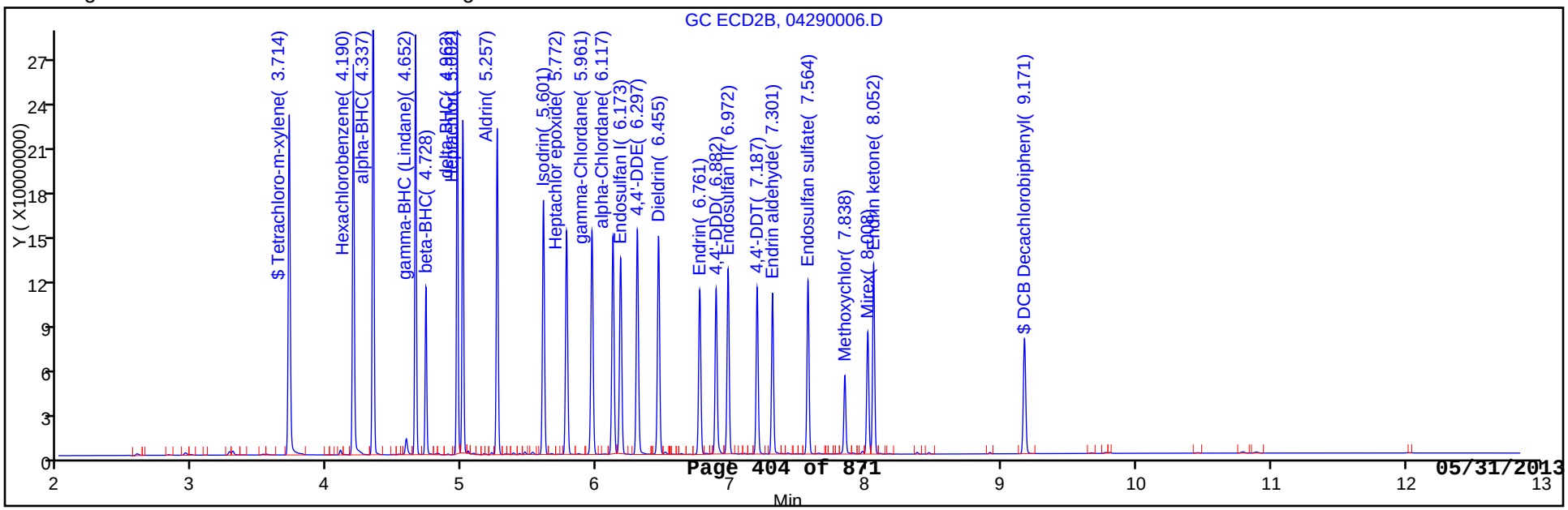
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Injection Date:	29-Apr-2013 14:23:54	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	6
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290007.D
Lims ID: STD3 AB Client ID:
Inject. Date: 29-Apr-2013 14:41:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD3 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 7
Lims Batch ID: 171763 Lims Sample ID: 7
Sublist: chrom-8081 P1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m
Last Update: 30-Apr-2013 14:00:13 Calib Date: 29-Apr-2013 22:51:18
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290035.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						103.5			
2						101.8			
						RPD = 1.64			
$ 7 Tetrachloro-m-xylene									
1	100	3.942	3.943	-0.001	67495627	25.8			
2	2	3.713	3.714	-0.001	120976045	25.4			
						RPD = 1.39			
8 Hexachlorobenzene									
1	100	4.353	4.353	0.000	79252570	25.7			
2	2	4.190	4.190	0.000	124508216	25.4			
						RPD = 1.49			
10 alpha-BHC									
1	-65	4.523	4.524	-0.001	98490135	25.4			
2	2	4.337	4.337	0.000	141209589	24.9			
						RPD = 1.86			
11 gamma-BHC (Lindane)									
1	-65	4.813	4.814	-0.001	89355414	25.5			
2	2	4.652	4.652	0.000	112717293	25.0			
						RPD = 1.97			
12 beta-BHC									
1	100	4.892	4.892	0.000	37687553	25.6			
2	2	4.728	4.728	0.000	46117956	25.3			
						RPD = 1.32			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	5.041	5.041	0.000	94501265	25.6			
2	2	4.962	4.962	0.000	108882011	25.2			
						RPD = 1.50			
15 Heptachlor									
1	100	5.221	5.221	0.000	88128776	26.0			
2	2	5.002	5.002	0.000	95499575	25.6			
						RPD = 1.34			
16 Aldrin									
1	-65	5.493	5.493	0.000	93340609	25.8			
2	2	5.258	5.257	0.001	99294854	25.3			
						RPD = 1.97			
18 Isodrin									
1	100	5.822	5.821	0.001	88127613	26.0			
2	2	5.602	5.601	0.001	89405717	25.6			
						RPD = 1.56			
22 Heptachlor epoxide									
1	-65	6.109	6.109	0.000	86839997	26.3			
2	2	5.773	5.772	0.001	82550572	25.5			
						RPD = 2.87			
23 gamma-Chlordane									
1	-65	6.240	6.240	0.000	90329491	25.6			
2	2	5.962	5.961	0.001	86503841	25.2			
						RPD = 1.48			
24 alpha-Chlordane									
1	-65	6.380	6.379	0.001	87808712	25.6			
2	2	6.117	6.117	0.000	84340388	25.4			
						RPD = 0.87			
25 4,4'-DDE									
1	-65	6.454	6.454	0.000	89087129	25.7			
2	2	6.298	6.297	0.001	85971047	25.2			
						RPD = 1.82			
26 Endosulfan I									
1	100	6.523	6.523	0.000	83436663	26.4			
2	2	6.174	6.173	0.001	77829896	25.9			
						RPD = 1.80			
28 Dieldrin									
1	100	6.766	6.767	-0.001	91822900	26.2			
2	2	6.456	6.455	0.001	83674562	25.5			
						RPD = 2.85			
30 Endrin									
1	-65	6.999	7.000	-0.001	72936742	25.8			
2	2	6.762	6.761	0.001	64085120	25.5			
						RPD = 1.11			
32 4,4'-DDD									
1	100	7.056	7.056	0.000	72468510	25.9			
2	2	6.882	6.882	0.000	63808812	25.9			
						RPD = 0.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	7.220	7.219	0.001	78983483	26.4			
2	2	6.972	6.972	0.000	71525027	26.3			
						RPD = 0.15			
35 4,4'-DDT									
1	-65	7.328	7.328	0.000	76139161	25.8			
2	2	7.187	7.187	0.000	59956203	25.4			
						RPD = 1.62			
36 Endrin aldehyde									
1	-65	7.622	7.622	0.000	66578170	26.3			
2	2	7.302	7.301	0.001	58624790	26.0			
						RPD = 1.15			
37 Methoxychlor									
1	-65	7.781	7.780	0.001	38424485	26.4			
2	2	7.839	7.838	0.001	28534603	25.5			
						RPD = 3.52			
38 Mirex									
1	100	7.933	7.934	-0.001	60935505	25.9			
2	2	8.008	8.008	0.000	46419906	25.5			
						RPD = 1.31			
39 Endosulfan sulfate									
1	-65	8.031	8.031	0.000	73084695	26.2			
2	2	7.565	7.564	0.001	63327130	25.7			
						RPD = 1.86			
40 Endrin ketone									
1	-65	8.290	8.289	0.001	84736629	26.6			
2	2	8.052	8.052	0.000	68353091	25.7			
						RPD = 3.16			
$ 41 DCB Decachlorobiphenyl									
1	1	9.212	9.212	0.000	55004291	25.8			
2	2	9.171	9.171	0.000	49203692	25.6			
						RPD = 0.88			

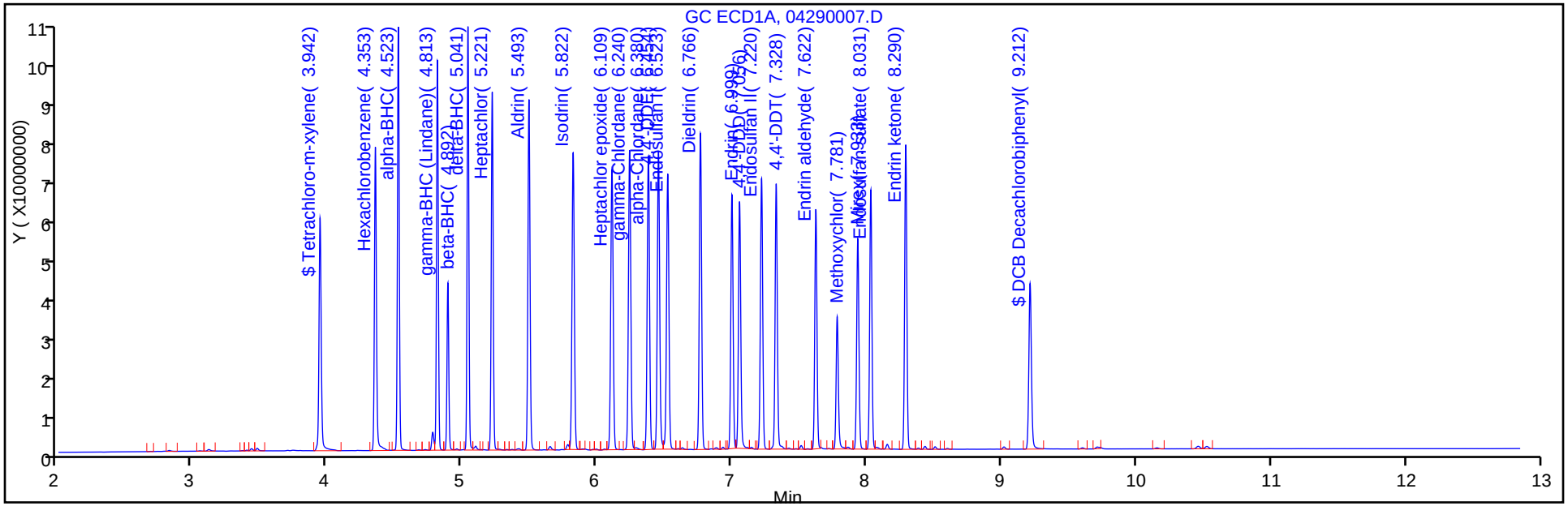
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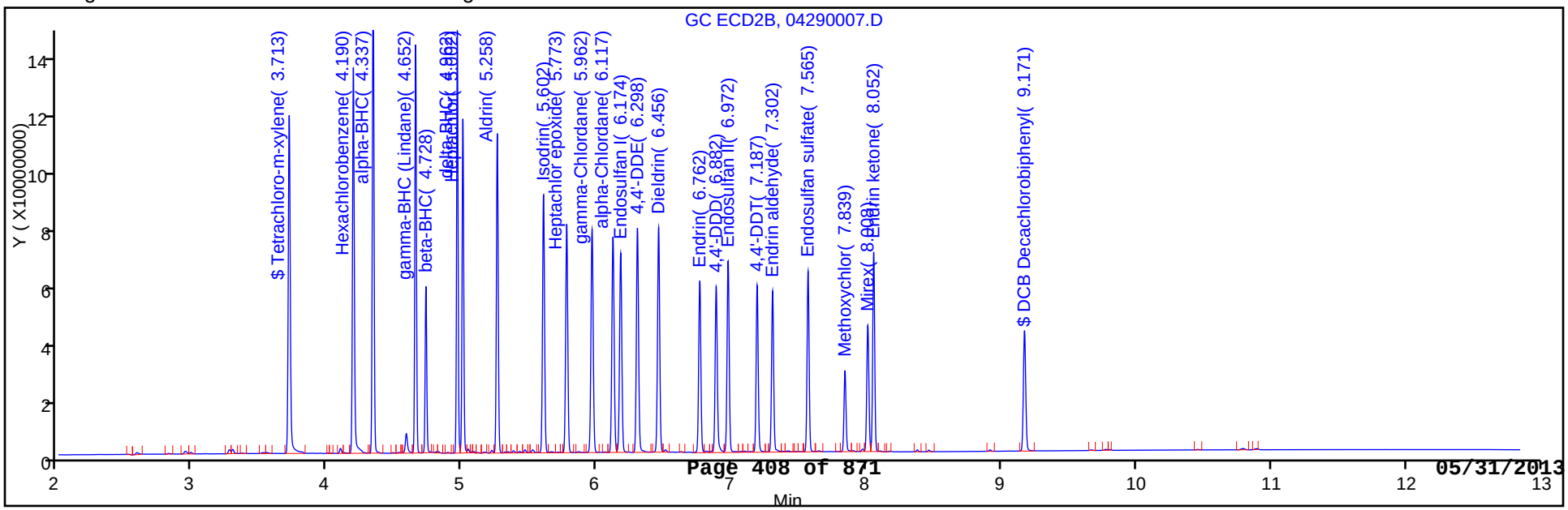
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Injection Date:	29-Apr-2013 14:41:30	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	7
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290008.D		
Lims ID:	STD2 AB	Client ID:	
Inject. Date:	29-Apr-2013 14:58:41	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P1
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	171763	Lims Sample ID:	8
Sublist:	chrom-8081 P1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m		
Last Update:	30-Apr-2013 14:00:15	Calib Date:	29-Apr-2013 22:51:18
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290035.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						40.8			
2						40.4			
						RPD = 1.00			
$ 7 Tetrachloro-m-xylene									
1	100	3.942	3.943	-0.001	27098579	10.1			
2	2	3.713	3.714	-0.001	49046304	10.1			
						RPD = 0.61			
8 Hexachlorobenzene									
1	100	4.352	4.353	-0.001	32764912	10.4			
2	2	4.190	4.190	0.000	51315188	10.1			
						RPD = 2.86			
10 alpha-BHC									
1	-65	4.523	4.524	-0.001	38925734	10.1			
2	2	4.337	4.337	0.000	55645906	9.87			
						RPD = 2.22			
11 gamma-BHC (Lindane)									
1	-65	4.813	4.814	-0.001	35603510	10.1			
2	2	4.652	4.652	0.000	44986871	9.93			
						RPD = 1.72			
12 beta-BHC									
1	100	4.891	4.892	-0.001	15487603	10.2			
2	2	4.728	4.728	0.000	19560887	10.3			
						RPD = 0.84			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	5.040	5.041	-0.001	37915845	10.1			
2	2	4.962	4.962	0.000	43095605	9.94			
						RPD = 1.74			
15 Heptachlor									
1	100	5.220	5.221	-0.001	35747624	10.3			
2	2	5.002	5.002	0.000	38776106	10.2			
						RPD = 1.58			
16 Aldrin									
1	-65	5.493	5.493	0.000	37059567	10.1			
2	2	5.258	5.257	0.001	39339193	9.94			
						RPD = 1.92			
18 Isodrin									
1	100	5.821	5.821	0.000	35751968	10.3			
2	2	5.602	5.601	0.001	35952785	10.0			
						RPD = 2.22			
22 Heptachlor epoxide									
1	-65	6.108	6.109	-0.001	35282363	10.4			
2	2	5.773	5.772	0.001	33941133	10.2			
						RPD = 1.47			
23 gamma-Chlordane									
1	-65	6.240	6.240	0.000	35669710	9.93			
2	2	5.962	5.961	0.001	34675993	9.95			
						RPD = 0.14			
24 alpha-Chlordane									
1	-65	6.379	6.379	0.000	35379403	10.1			
2	2	6.117	6.117	0.000	34174369	10.0			
						RPD = 1.06			
25 4,4'-DDE									
1	-65	6.454	6.454	0.000	35018868	10.1			
2	2	6.299	6.297	0.002	34255355	9.97			
						RPD = 0.85			
26 Endosulfan I									
1	100	6.522	6.523	-0.001	33975435	10.4			
2	2	6.174	6.173	0.001	32030826	10.2			
						RPD = 1.57			
28 Dieldrin									
1	100	6.766	6.767	-0.001	36762310	10.3			
2	2	6.455	6.455	0.000	33660228	10.1			
						RPD = 2.20			
30 Endrin									
1	-65	7.000	7.000	0.000	29246141	10.3			
2	2	6.761	6.761	0.000	25795060	9.99			
						RPD = 3.33			
32 4,4'-DDD									
1	100	7.056	7.056	0.000	28259936	10.0			
2	2	6.883	6.882	0.001	25103605	9.88			
						RPD = 1.28			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	7.219	7.219	0.000	32404195	10.5			
2	2	6.972	6.972	0.000	28594988	10.1			
						RPD = 3.24			
35 4,4'-DDT									
1	-65	7.328	7.328	0.000	29072866	9.89			
2	2	7.188	7.187	0.001	23614571	9.93			
						RPD = 0.43			
36 Endrin aldehyde									
1	-65	7.622	7.622	0.000	27180829	10.3			
2	2	7.302	7.301	0.001	23860803	10.2			
						RPD = 0.69			
37 Methoxychlor									
1	-65	7.781	7.780	0.001	16005685	10.5			
2	2	7.839	7.838	0.001	11805280	10.2			
						RPD = 2.59			
38 Mirex									
1	100	7.934	7.934	0.000	25322561	10.2			
2	2	8.008	8.008	0.000	19497629	10.2			
						RPD = 0.32			
39 Endosulfan sulfate									
1	-65	8.029	8.031	-0.002	29889604	10.3			
2	2	7.565	7.564	0.001	26029316	10.2			
						RPD = 1.52			
40 Endrin ketone									
1	-65	8.289	8.289	0.000	34787487	10.4			
2	2	8.052	8.052	0.000	27882052	10.2			
						RPD = 2.69			
$ 41 DCB Decachlorobiphenyl									
1	1	9.212	9.212	0.000	23147674	10.3			
2	2	9.172	9.171	0.001	20266364	10.1			
						RPD = 1.63			

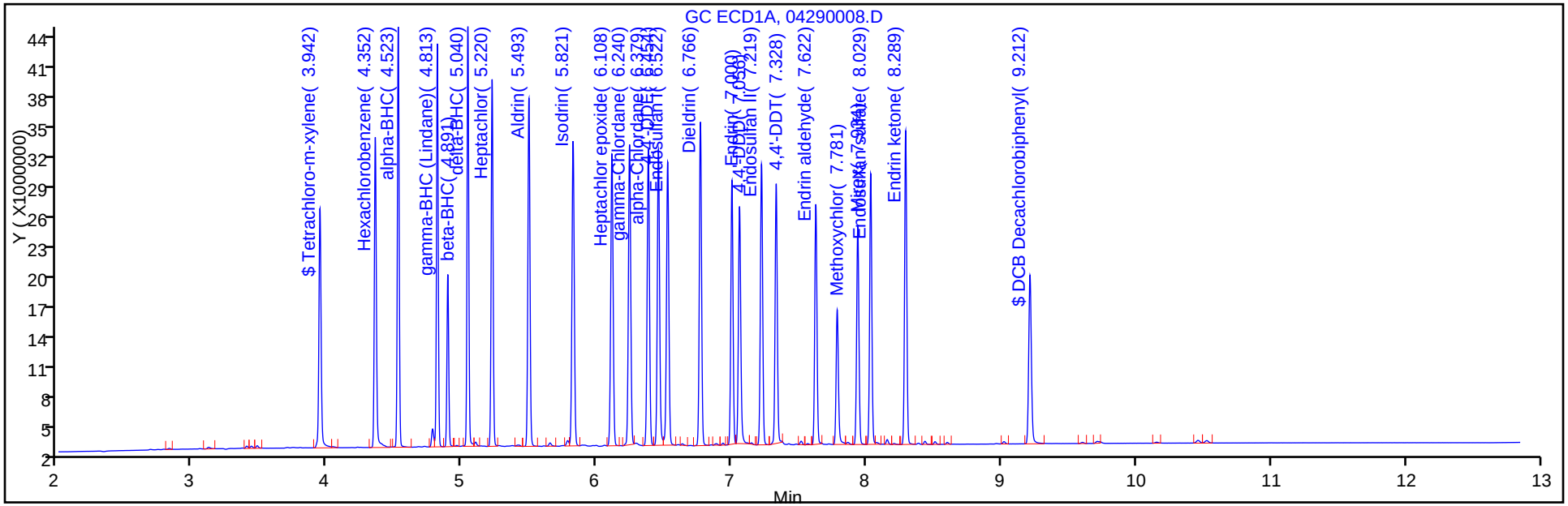
Report Date: 30-Apr-2013 14:00:16 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

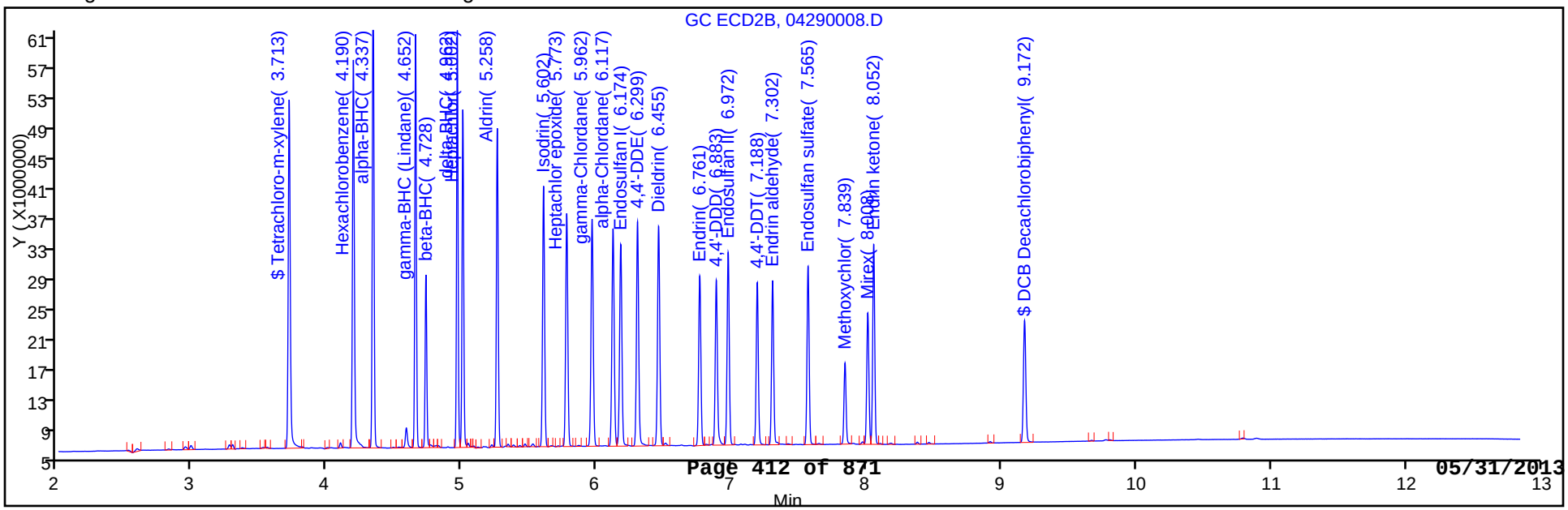
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Injection Date:	29-Apr-2013 14:58:41	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	8
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290009.D
Lims ID: STD1 AB Client ID:
Inject. Date: 29-Apr-2013 15:16:09 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD1 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 171763 Lims Sample ID: 9
Sublist: chrom-8081 P1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m
Last Update: 30-Apr-2013 14:00:17 Calib Date: 29-Apr-2013 22:51:18
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290035.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 30-Apr-2013 06:53:09

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						15.8			
2						15.9			
						RPD = 0.62			
$ 7 Tetrachloro-m-xylene									
1	100	3.943	3.943	0.000	11192632	3.97			
2	2	3.714	3.714	0.000	20548819	3.98			
						RPD = 0.41			
8 Hexachlorobenzene									
1	100	4.354	4.353	0.001	13276419	3.93			
2	2	4.190	4.190	0.000	22094995	3.98			
						RPD = 1.27			
10 alpha-BHC									
1	-65	4.524	4.524	0.000	15173032	3.98			
2	2	4.337	4.337	0.000	22468488	4.02			
						RPD = 1.06			
11 gamma-BHC (Lindane)									
1	-65	4.814	4.814	0.000	14169626	3.98			
2	2	4.651	4.652	-0.001	18330592	4.01			
						RPD = 0.89			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									
1	100	4.891	4.892	-0.001	6498129	3.96			
2	2	4.728	4.728	0.000	8341394	3.95			
						RPD = 0.16			
13 delta-BHC									
1	100	5.040	5.041	-0.001	15426470	3.97			
2	2	4.961	4.962	-0.001	17495133	4.01			
						RPD = 0.86			
15 Heptachlor									
1	100	5.220	5.221	-0.001	14362864	3.93			
2	2	5.002	5.002	0.000	16055120	3.96			
						RPD = 0.82			
16 Aldrin									
1	-65	5.493	5.493	0.000	14894629	3.97			
2	2	5.258	5.257	0.001	16158605	4.00			
						RPD = 0.98			
18 Isodrin									
1	100	5.820	5.821	-0.001	14632552	3.94			
2	2	5.601	5.601	0.000	15074088	3.98			
						RPD = 1.06			
22 Heptachlor epoxide									
1	-65	6.110	6.109	0.001	14417401	3.92			
2	2	5.773	5.772	0.001	14110212	3.96			
						RPD = 0.98			
23 gamma-Chlordane									
1	-65	6.240	6.240	0.000	14989599	4.00			
2	2	5.961	5.961	0.000	14544832	4.00			
						RPD = 0.16			
24 alpha-Chlordane									
1	-65	6.380	6.379	0.001	14391215	3.97			
2	2	6.117	6.117	0.000	14364989	3.99			
						RPD = 0.53			
25 4,4'-DDE									
1	-65	6.454	6.454	0.000	14012834	3.98			
2	2	6.299	6.297	0.002	14028428	4.00			
						RPD = 0.55			
26 Endosulfan I									
1	100	6.523	6.523	0.000	14044728	3.92			
2	2	6.174	6.173	0.001	13786355	3.95			
						RPD = 0.89			
28 Dieldrin									
1	100	6.766	6.767	-0.001	14802206	3.93			
2	2	6.455	6.455	0.000	13930026	3.98			
						RPD = 1.22			
30 Endrin									
1	-65	6.999	7.000	-0.001	11772994	4.16			
2	2	6.760	6.761	-0.001	10971499	3.99			
						RPD = 3.99			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
32 4,4'-DDD									
1	100	7.056	7.056	0.000	11514033	3.98			
2	2	6.883	6.882	0.001	10864814	4.00			
						RPD = 0.54			
34 Endosulfan II									
1	100	7.220	7.219	0.001	13269148	3.91			
2	2	6.971	6.972	-0.001	12293872	3.96			
						RPD = 1.29			
35 4,4'-DDT									
1	-65	7.328	7.328	0.000	11665392	4.00			
2	2	7.187	7.187	0.000	9680545	4.00			
						RPD = 0.05			
36 Endrin aldehyde									
1	-65	7.622	7.622	0.000	11590725	3.93			
2	2	7.301	7.301	0.000	10099040	3.95			
						RPD = 0.46			
37 Methoxychlor									
1	-65	7.782	7.780	0.002	6769150	3.90			
2	2	7.839	7.838	0.001	4977914	3.96			
						RPD = 1.44			
38 Mirex									
1	100	7.934	7.934	0.000	11009340	3.95			
2	2	8.008	8.008	0.000	8540188	3.96			
						RPD = 0.28			
39 Endosulfan sulfate									
1	-65	8.030	8.031	-0.001	12487801	3.93			
2	2	7.565	7.564	0.001	11139097	3.96			
						RPD = 0.81			
40 Endrin ketone									
1	-65	8.290	8.289	0.001	14583454	3.91			
2	2	8.052	8.052	0.000	11802354	3.96			
						RPD = 1.46			
$ 41 DCB Decachlorobiphenyl									
1	1	9.213	9.212	0.001	10202461	3.95			
2	2	9.172	9.171	0.001	8826924	3.98			
						RPD = 0.74			

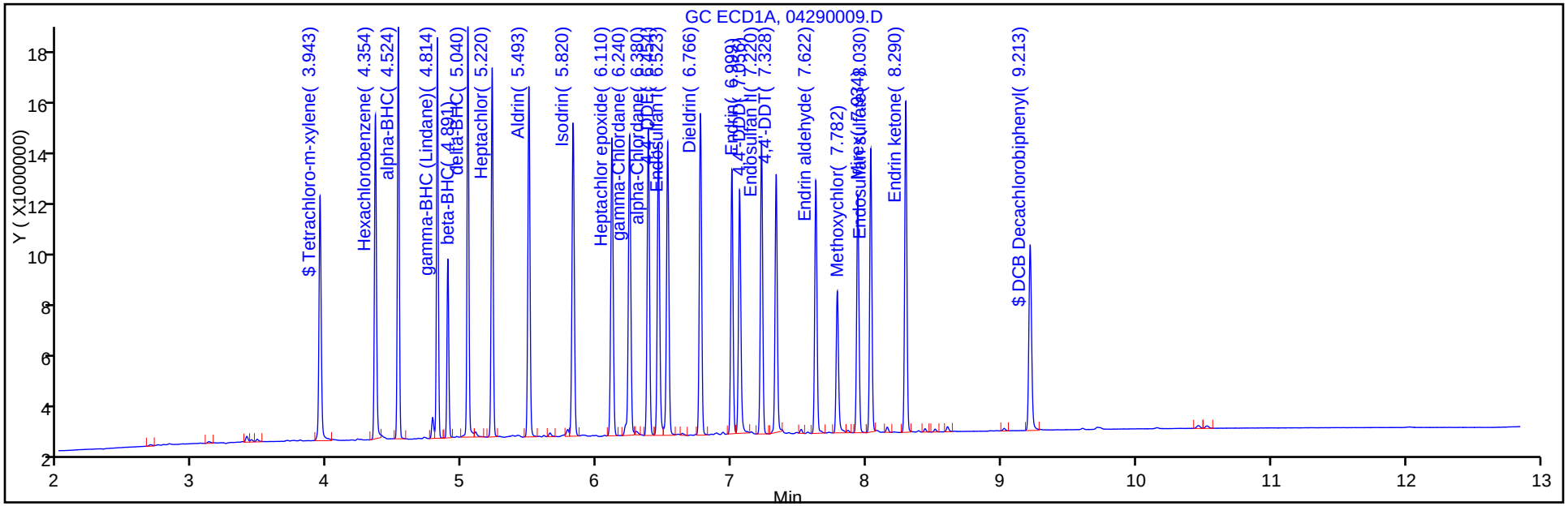
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TestAmerica Denver

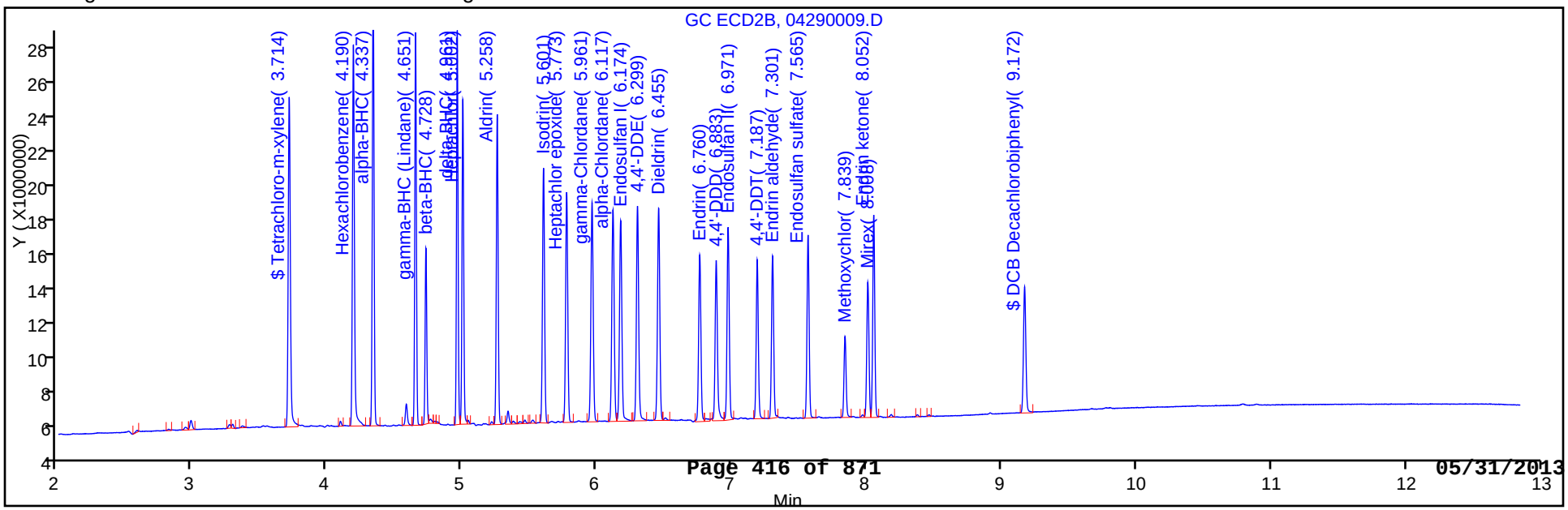
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Injection Date:	29-Apr-2013 15:16:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	9
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 171763

SDG No.:

Instrument ID: SGC_P1 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2013 19:38 Calibration End Date: 04/29/2013 21:06 Calibration ID: 13807

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-171763/29	04290029.D
Level 2	STD2 280-171763/28	04290028.D
Level 3	STD3 280-171763/27	04290027.D
Level 4	STD4 280-171763/26	04290026.D
Level 5	STD5 280-171763/25	04290025.D
Level 6	STD6 280-171763/24	04290024.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Toxaphene Peak 1	5.670	5.668	5.668	5.668	5.669	5.670					5.648 - 5.688	5.669
Toxaphene Peak 2	6.355	6.353	6.352	6.353	6.354	6.353					6.333 - 6.373	6.353
Toxaphene Peak 3	6.862	6.860	6.860	6.860	6.860	6.860					6.840 - 6.880	6.860
Toxaphene Peak 4	7.537	7.537	7.537	7.536	7.537	7.537					7.516 - 7.556	7.537
Toxaphene Peak 5	7.941	7.940	7.939	7.939	7.939	7.940					7.919 - 7.959	7.940

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 171763

SDG No.:

Instrument ID: SGC_P1 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2013 19:38 Calibration End Date: 04/29/2013 21:06 Calibration ID: 13807

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-171763/29	04290029.D
Level 2	STD2 280-171763/28	04290028.D
Level 3	STD3 280-171763/27	04290027.D
Level 4	STD4 280-171763/26	04290026.D
Level 5	STD5 280-171763/25	04290025.D
Level 6	STD6 280-171763/24	04290024.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	9491.6 7566.6	8202.4 7312.1	8512.8	7923.5	Lin2	385325.365	7603.02491							0.9980		0.9900
Toxaphene Peak 2	35220 32743	35251 31575	35779	31861	Lin2	639380.913	32800.3220							0.9970		0.9900
Toxaphene Peak 3	72186 60936	67031 55352	66851	63108	Lin2	2631711.80	60384.1444							0.9960		0.9900
Toxaphene Peak 4	106862 94110	102718 87307	106314	98801	Lin2	2800800.40	95244.1002							0.9950		0.9900
Toxaphene Peak 5	127579 113638	124317 107275	121938	117742	Lin2	3208696.01	114042.268							0.9980		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 171763

SDG No.:

Instrument ID: SGC_P1 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2013 19:38 Calibration End Date: 04/29/2013 21:06 Calibration ID: 13807

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-171763/29	04290029.D
Level 2	STD2 280-171763/28	04290028.D
Level 3	STD3 280-171763/27	04290027.D
Level 4	STD4 280-171763/26	04290026.D
Level 5	STD5 280-171763/25	04290025.D
Level 6	STD6 280-171763/24	04290024.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Lin2	1898324 73120548	4101191	8512821	15847069	37833002	200 10000	500	1000	2000	5000
Toxaphene Peak 2	Lin2	7043932 315747836	17625591	35779005	63721047	163716649	200 10000	500	1000	2000	5000
Toxaphene Peak 3	Lin2	14437272 553515446	33515658	66850603	126215514	304681747	200 10000	500	1000	2000	5000
Toxaphene Peak 4	Lin2	21372395 873067816	51358756	106314395	197601106	470552142	200 10000	500	1000	2000	5000
Toxaphene Peak 5	Lin2	25515876 1072754904	62158629	121937945	235483489	568191566	200 10000	500	1000	2000	5000

Curve Type Legend:
Lin2 = Linear 1/conc^2

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290024.D		
Lims ID:	STD6 TOX	Client ID:	
Inject. Date:	29-Apr-2013 19:38:59	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD6 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P1
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	171763	Lims Sample ID:	24
Sublist:	chrom-8081 P1*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m		
Last Update:	30-Apr-2013 13:34:17	Calib Date:	29-Apr-2013 19:38:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290024.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									
1	-65	5.670	5.668	0.002	73120548	10000		100.0	
1	-65	6.353	6.353	0.000	315747836	10000	382.1- 422.1	431.8	
1	-65	6.860	6.860	0.000	553515446	10000	776.5- 816.5	757.0	
1	-65	7.537	7.536	0.001	873067816	10000	1226.9-1266.9	1194.0	
1	-65	7.940	7.939	0.001	1072754904	10000	1466.0-1506.0	1467.1	
			Average of Peak Amounts =			10000			
2	6	5.346	5.346	0.000	75282053	10000		100.0	
2	7	5.627	5.627	0.000	123314149	10000	140.0- 200.0	163.8	
2	8	6.550	6.550	0.000	339377199	10000	411.6- 471.6	450.8	
2	9	7.054	7.053	0.001	1493833280	10000	1853.2-1913.2	1984.3	
2	10	7.783	7.783	0.000	814715604	10000	956.9-1016.9	1082.2	
			Average of Peak Amounts =			10000			
						RPD = 0.00			

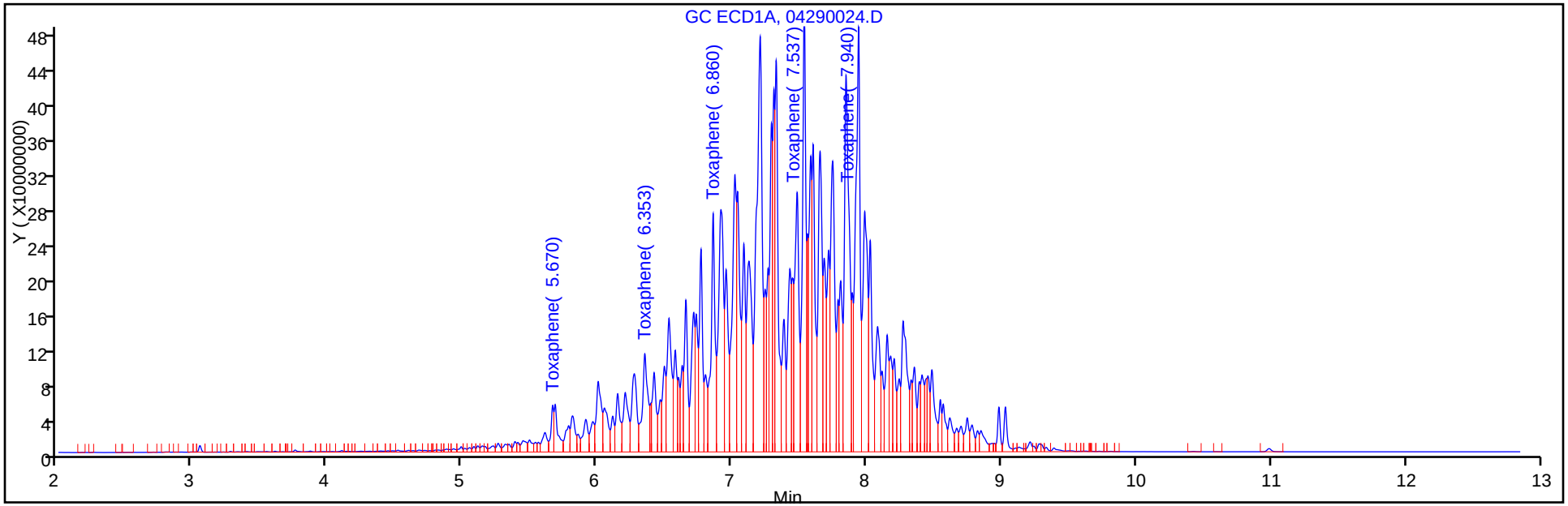
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TestAmerica Denver

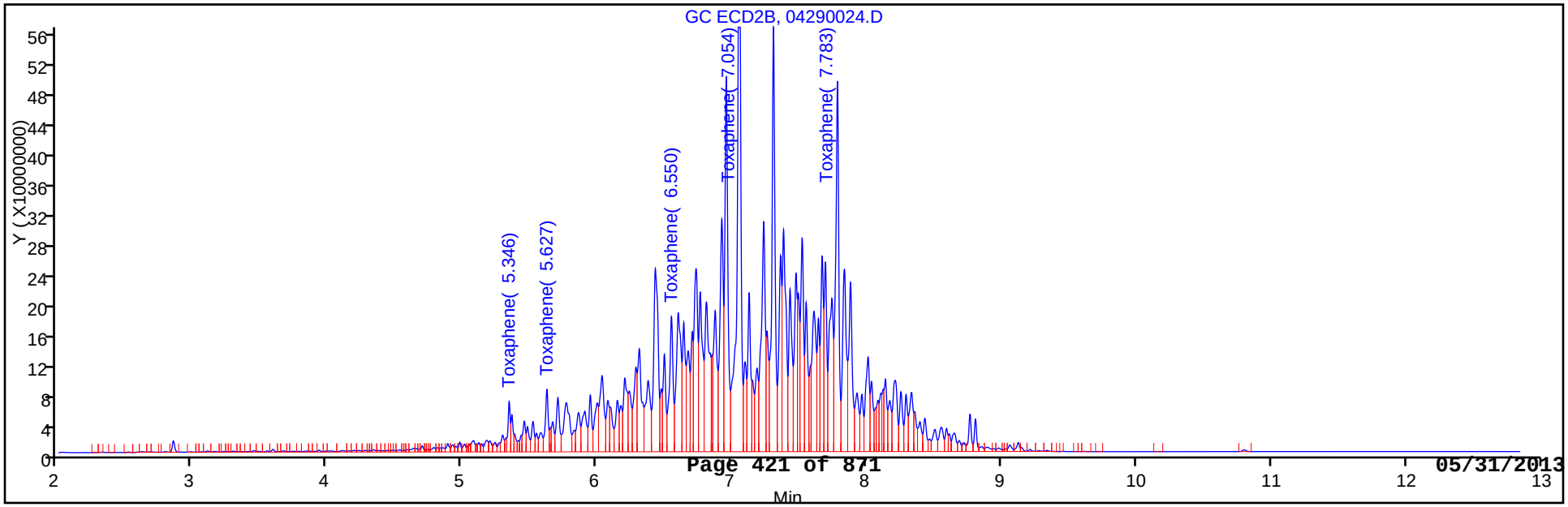
Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290024.D

Injection Date:	29-Apr-2013 19:38:59	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	24
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290025.D		
Lims ID:	STD5 TOX	Client ID:	
Inject. Date:	29-Apr-2013 19:56:28	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD5 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P1
Injection Vol:	1.0 ul	ALS Bottle#:	25
Lims Batch ID:	171763	Lims Sample ID:	25
Sublist:	chrom-8081 P1*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m		
Last Update:	30-Apr-2013 13:34:18	Calib Date:	29-Apr-2013 19:56:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290025.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									
1	-65	5.669	5.668	0.001	37833002	5000.0		100.0	
1	-65	6.354	6.353	0.001	163716649	5000.0	382.1- 422.1	432.7	
1	-65	6.860	6.860	0.000	304681747	5000.0	776.5- 816.5	805.3	
1	-65	7.537	7.536	0.001	470552142	5000.0	1226.9-1266.9	1243.8	
1	-65	7.939	7.939	0.000	568191566	5000.0	1466.0-1506.0	1501.8	
			Average of Peak Amounts =			5000.0			
2	6	5.346	5.346	0.000	38602560	5000.0		100.0	
2	7	5.627	5.627	0.000	64971750	5000.0	140.0- 200.0	168.3	
2	8	6.550	6.550	0.000	177811143	5000.0	411.6- 471.6	460.6	
2	9	7.054	7.053	0.001	775435063	5000.0	1853.2-1913.2	2008.8	
2	10	7.783	7.783	0.000	412982116	5000.0	956.9-1016.9	1069.8	
			Average of Peak Amounts =			5000.0			
						RPD = 0.00			

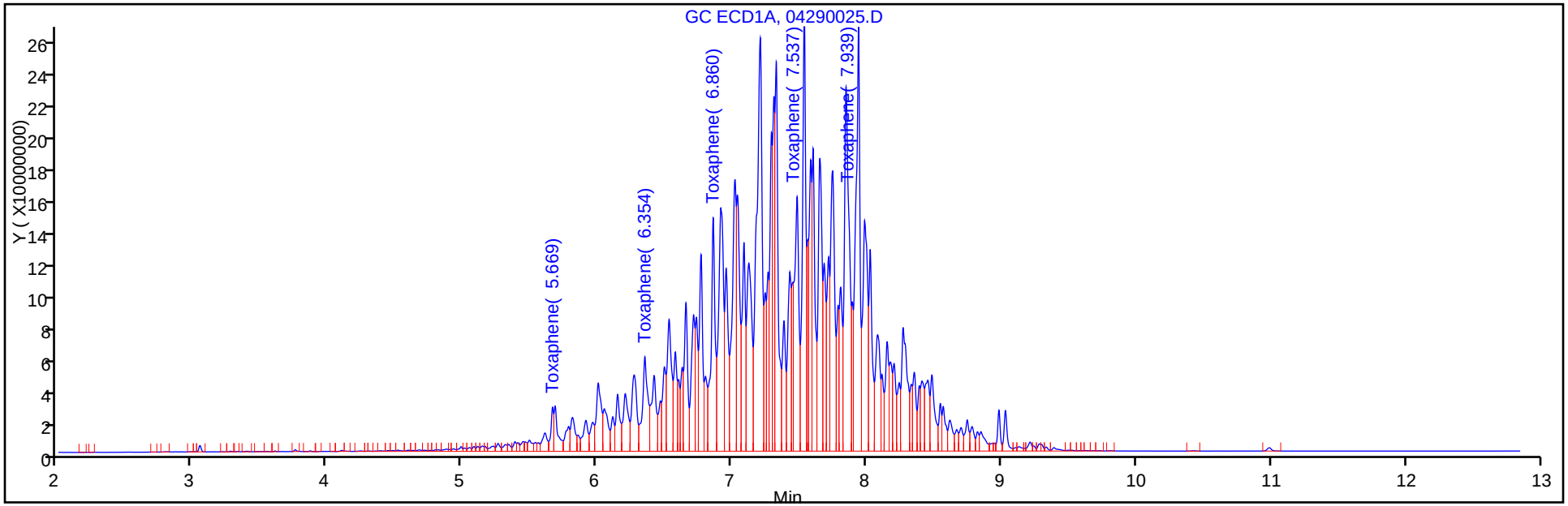
Report Date: 30-Apr-2013 13:34:18 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

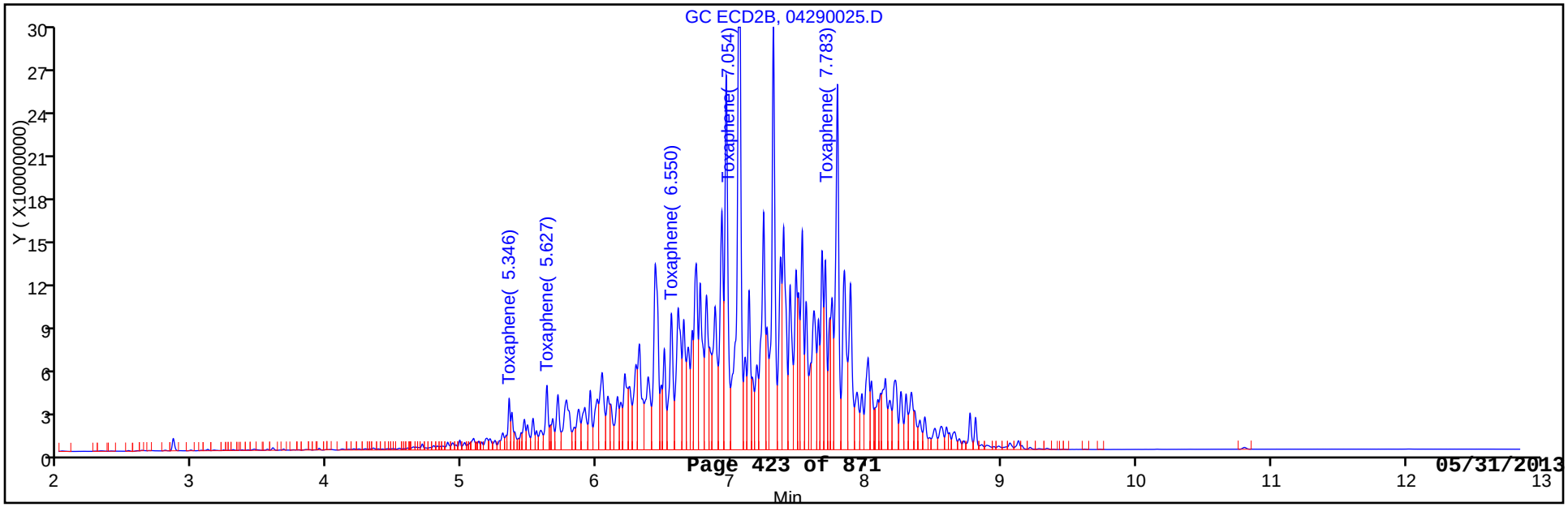
Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290025.D

Injection Date:	29-Apr-2013 19:56:28	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	25
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290026.D		
Lims ID:	STD4 TOX	Client ID:	
Inject. Date:	29-Apr-2013 20:13:56	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD4 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P1
Injection Vol:	1.0 ul	ALS Bottle#:	26
Lims Batch ID:	171763	Lims Sample ID:	26
Sublist:	chrom-8081 P1*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m		
Last Update:	30-Apr-2013 13:34:20	Calib Date:	29-Apr-2013 20:13:56
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290026.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	5.668	5.668	0.000	15847069	1995.7		100.0	M
1	-65	6.353	6.353	0.000	63721047	1989.5	382.1- 422.1	402.1	M
1	-65	6.860	6.860	0.000	126215514	1979.7	776.5- 816.5	796.5	M
1	-65	7.536	7.536	0.000	197601106	1986.0	1226.9-1266.9	1246.9	M
1	-65	7.939	7.939	0.000	235483489	1989.2	1466.0-1506.0	1486.0	M
			Average of Peak Amounts =			1988.0			
2	6	5.346	5.346	0.000	16616514	2000.1		100.0	M
2	7	5.627	5.627	0.000	28241468	1994.5	140.0- 200.0	170.0	M
2	8	6.550	6.550	0.000	73373730	1991.5	411.6- 471.6	441.6	M
2	9	7.053	7.053	0.000	312915438	1991.9	1853.2-1913.2	1883.2	M
2	10	7.783	7.783	0.000	163989497	1996.3	956.9-1016.9	986.9	M
			Average of Peak Amounts =			1994.8			
						RPD = 0.34			

QC Flag Legend

Review Flags
M - Manually Integrated

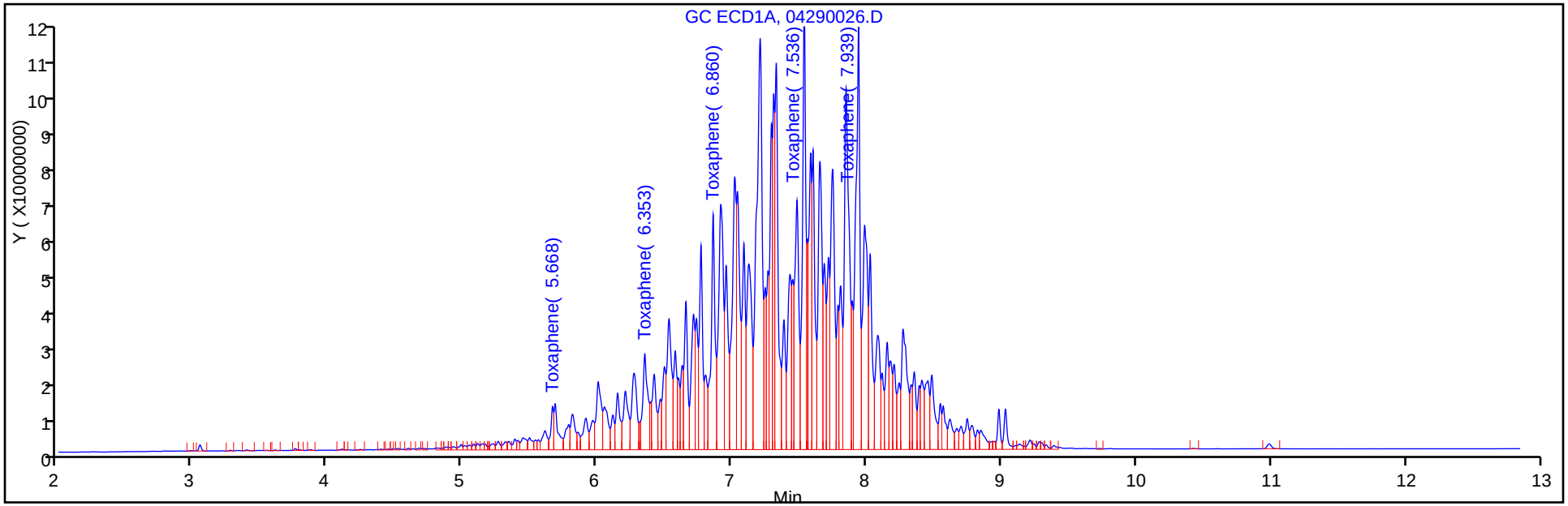
Report Date: 30-Apr-2013 13:34:20 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

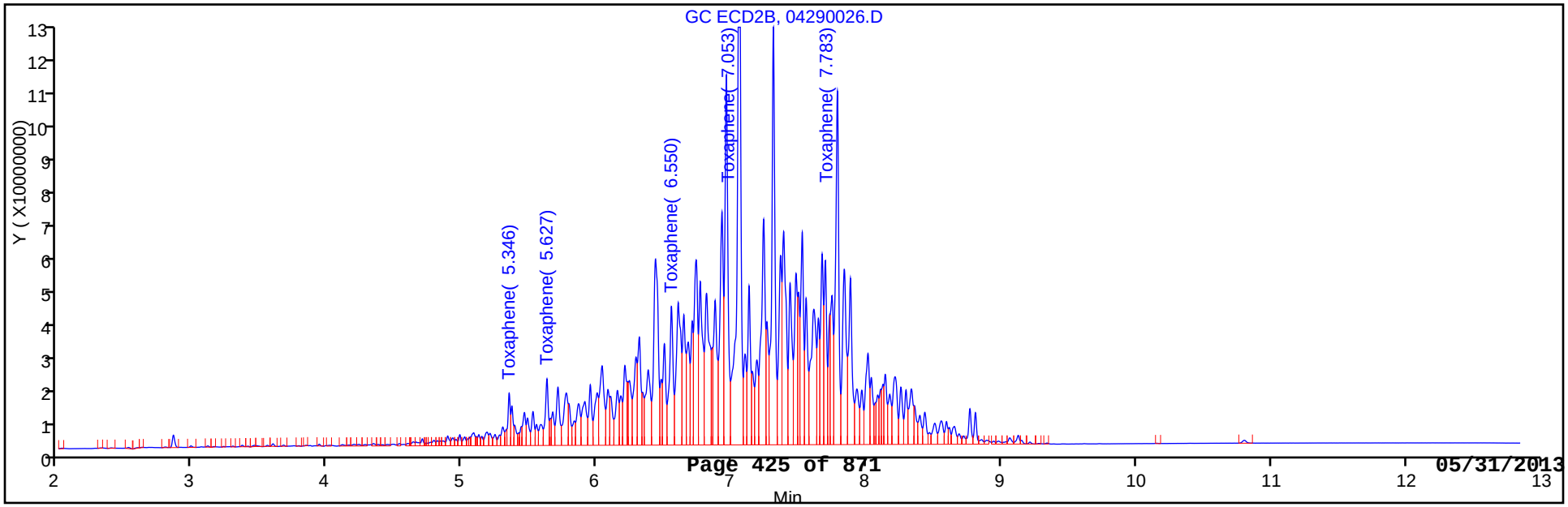
Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290026.D

Injection Date:	29-Apr-2013 20:13:56	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



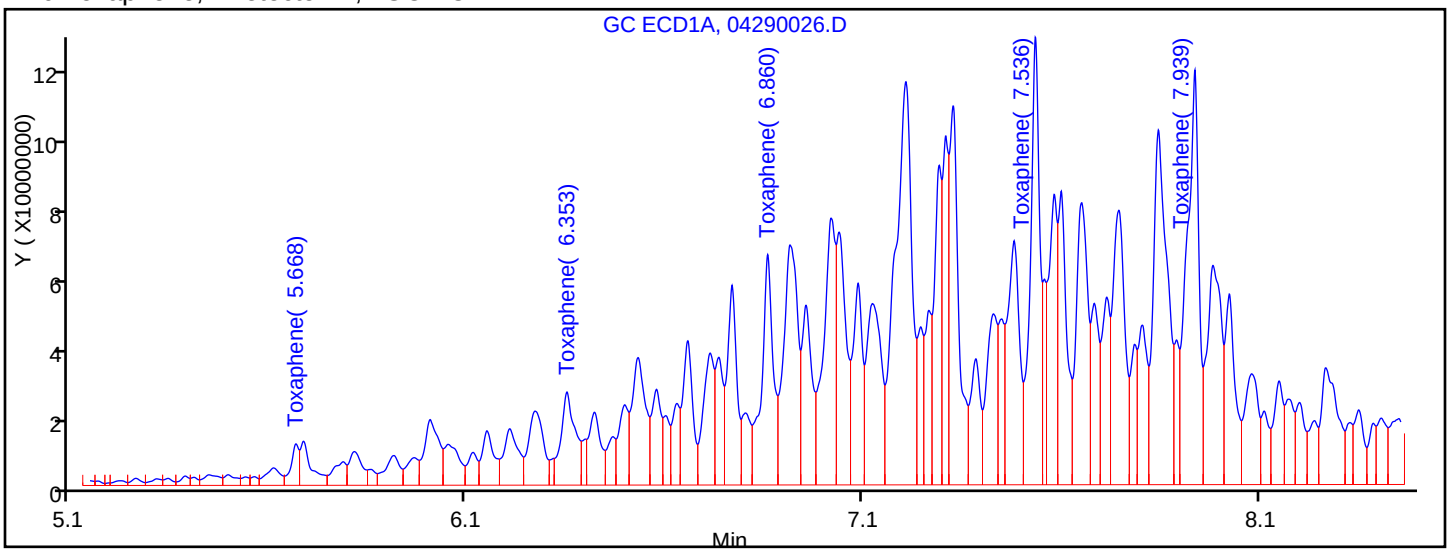
Report Date: 30-Apr-2013 13:34:20 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290026.D

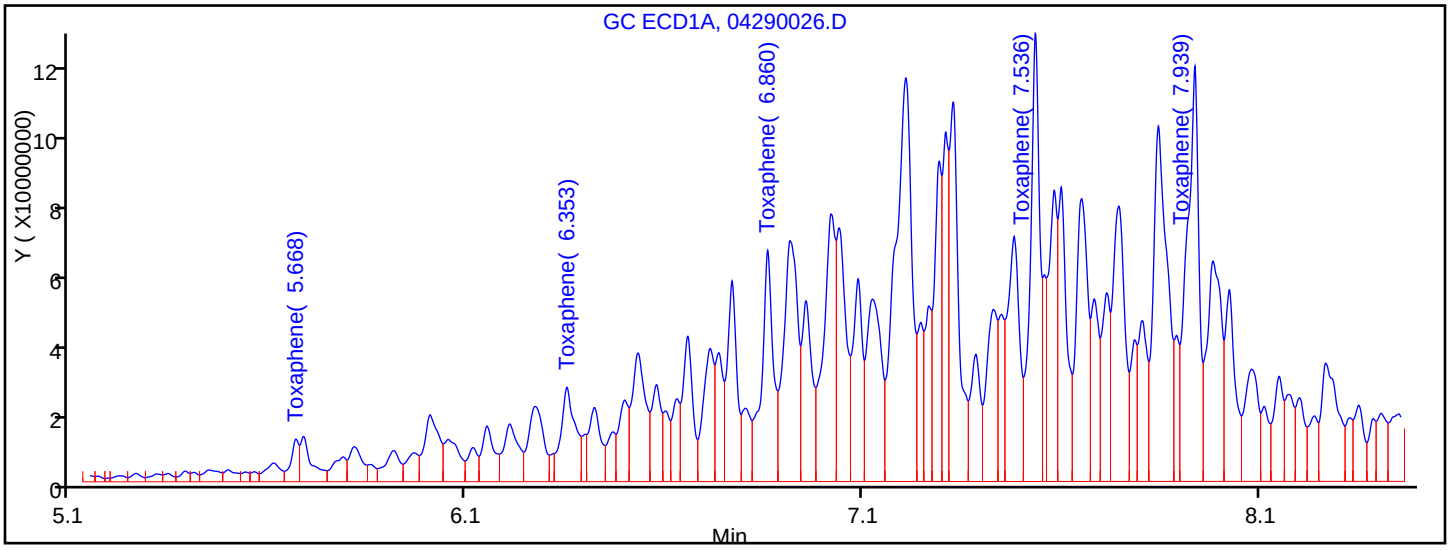
Injection Date:	29-Apr-2013 20:13:56	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.668	Response = 15018016	M
RT = 6.353	Response = 62114847	M
RT = 6.860	Response = 124606517	M
RT = 7.536	Response = 196314009	M
RT = 7.939	Response = 233844337	M



Manual Integration Results

RT = 5.668	Response = 15847069	M
RT = 6.353	Response = 63721047	M
RT = 6.860	Response = 126215514	M
RT = 7.536	Response = 197601106	M
RT = 7.939	Response = 235483489	M

Reviewer: wellsd, 30-Apr-2013 10:05:45

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290027.D		
Lims ID:	STD3 TOX	Client ID:	
Inject. Date:	29-Apr-2013 20:31:24	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD3 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P1
Injection Vol:	1.0 ul	ALS Bottle#:	27
Lims Batch ID:	171763	Lims Sample ID:	27
Sublist:	chrom-8081 P1*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m		
Last Update:	30-Apr-2013 13:34:21	Calib Date:	29-Apr-2013 20:31:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290027.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	5.668	5.668	0.000	8512821	997.2		100.0	M
1	-65	6.352	6.353	-0.001	35779005	1016.3	382.1- 422.1	420.3	M
1	-65	6.860	6.860	0.000	66850603	988.0	776.5- 816.5	785.3	M
1	-65	7.537	7.536	0.001	106314395	991.0	1226.9-1266.9	1248.9	M
1	-65	7.939	7.939	0.000	121937945	990.2	1466.0-1506.0	1432.4	M
			Average of Peak Amounts =			996.6			
2	6	5.346	5.346	0.000	9023131	995.3		100.0	M
2	7	5.627	5.627	0.000	15070877	986.7	140.0- 200.0	167.0	M
2	8	6.551	6.550	0.001	38473558	994.4	411.6- 471.6	426.4	M
2	9	7.053	7.053	0.000	134562782	974.9	1853.2-1913.2	1491.3	M
2	10	7.782	7.783	-0.001	83456427	1001.7	956.9-1016.9	924.9	M
			Average of Peak Amounts =			990.6			
						RPD = 0.60			

QC Flag Legend

Review Flags
M - Manually Integrated

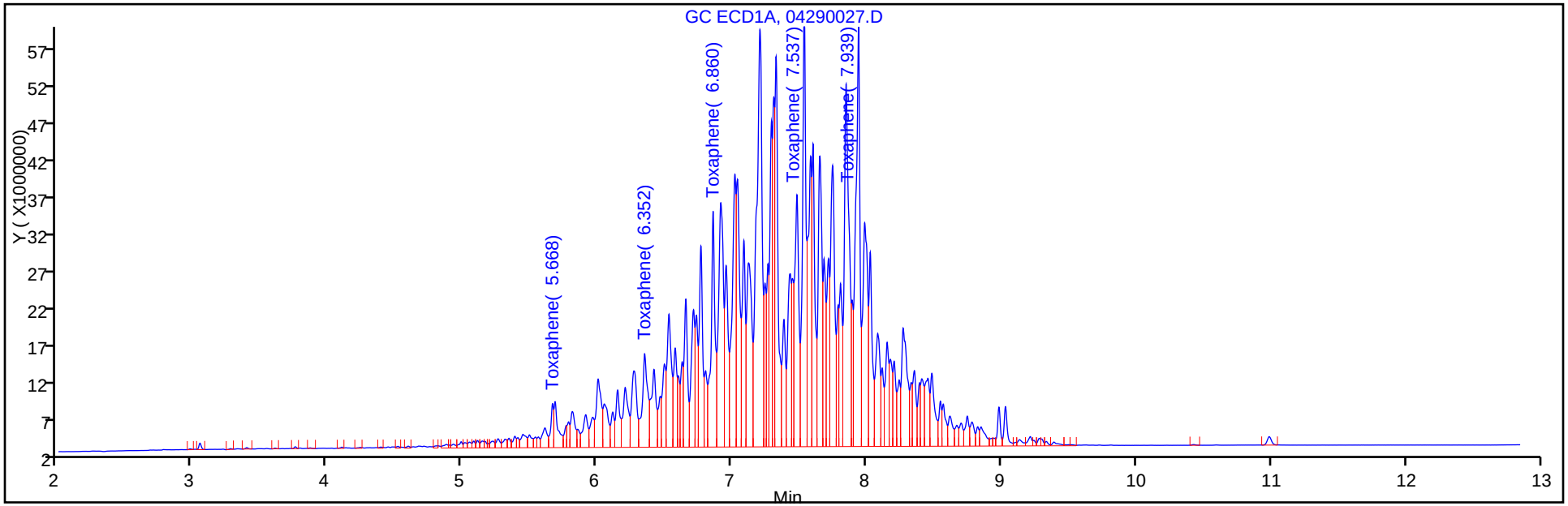
Report Date: 30-Apr-2013 13:34:22 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

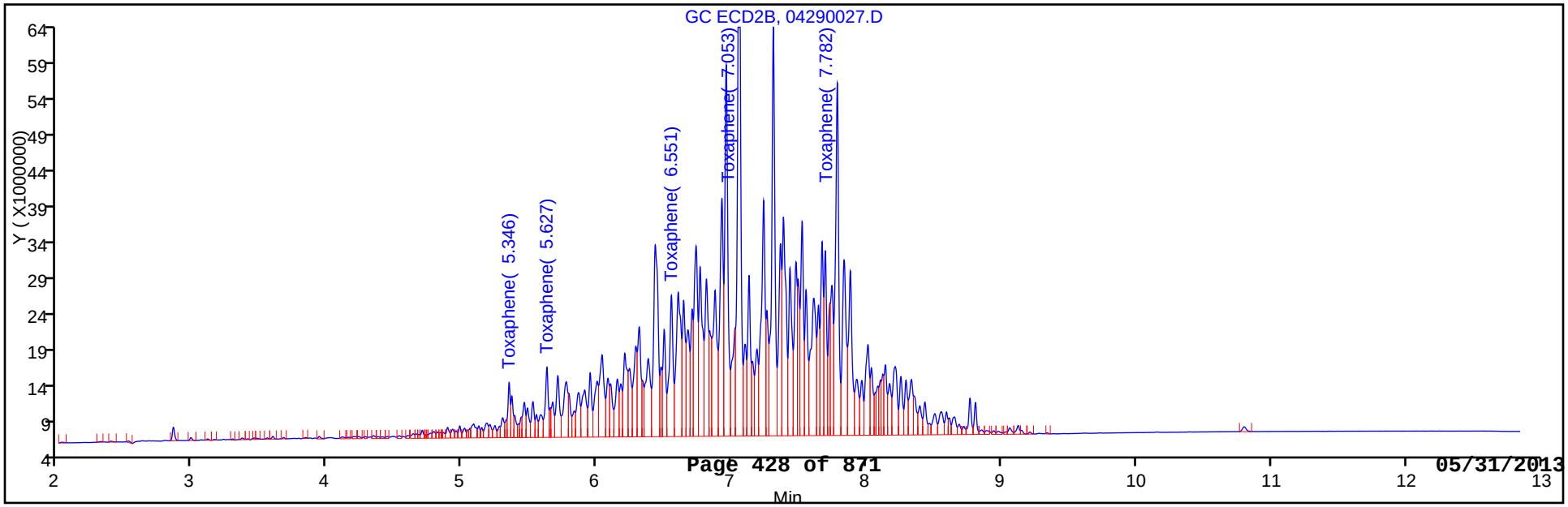
Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290027.D

Injection Date:	29-Apr-2013 20:31:24	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



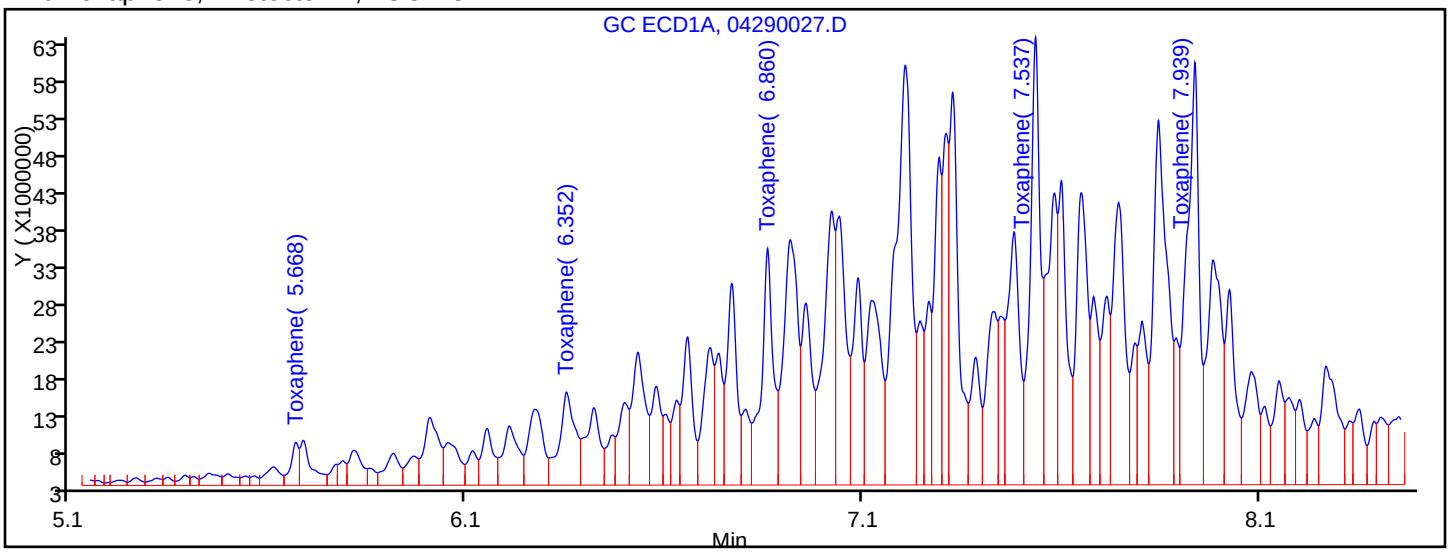
Report Date: 30-Apr-2013 13:34:22 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290027.D

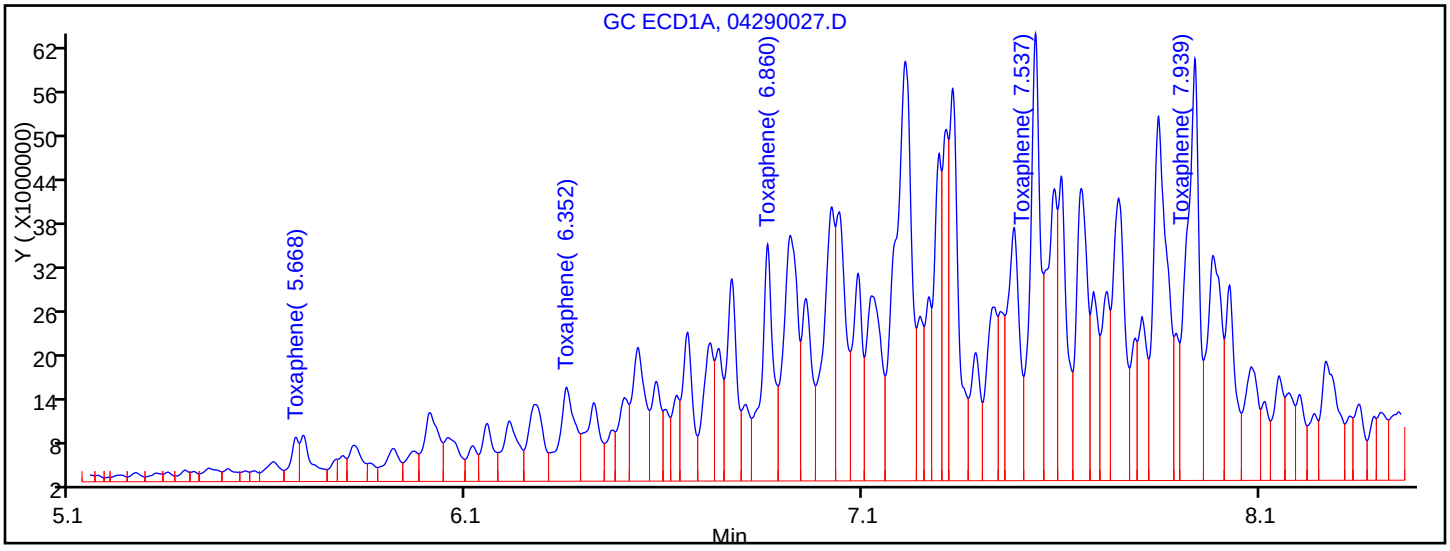
Injection Date:	29-Apr-2013 20:31:24	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.668	Response = 8081710	M
RT = 6.352	Response = 34989384	M
RT = 6.860	Response = 66250170	M
RT = 7.537	Response = 105921871	M
RT = 7.939	Response = 121515311	M



Manual Integration Results

RT = 5.668	Response = 8512821	M
RT = 6.352	Response = 35779005	M
RT = 6.860	Response = 66850603	M
RT = 7.537	Response = 106314395	M
RT = 7.939	Response = 121937945	M

Reviewer: wellsd, 30-Apr-2013 10:06:02

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290028.D		
Lims ID:	STD2 TOX	Client ID:	
Inject. Date:	29-Apr-2013 20:48:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P1
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	171763	Lims Sample ID:	28
Sublist:	chrom-8081 P1*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m		
Last Update:	30-Apr-2013 13:34:23	Calib Date:	29-Apr-2013 20:48:54
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290028.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	5.668	5.668	0.000	4101191	482.7		100.0	M
1	-65	6.353	6.353	0.000	17625591	489.4	382.1- 422.1	429.8	M
1	-65	6.860	6.860	0.000	33515658	484.3	776.5- 816.5	817.2	M
1	-65	7.537	7.536	0.001	51358756	479.4	1226.9-1266.9	1252.3	M
1	-65	7.940	7.939	0.001	62158629	490.5	1466.0-1506.0	1515.6	M
			Average of Peak Amounts =			485.3			
2	6	5.346	5.346	0.000	5062213	493.6		100.0	M
2	7	5.627	5.627	0.000	7871516	484.7	140.0- 200.0	155.5	M
2	8	6.552	6.550	0.002	19883563	492.0	411.6- 471.6	392.8	M
2	9	7.054	7.053	0.001	80687467	522.7	1853.2-1913.2	1593.9	M
2	10	7.783	7.783	0.000	41511708	498.0	956.9-1016.9	820.0	M
			Average of Peak Amounts =			498.2			
						RPD = 2.63			

QC Flag Legend

Review Flags
M - Manually Integrated

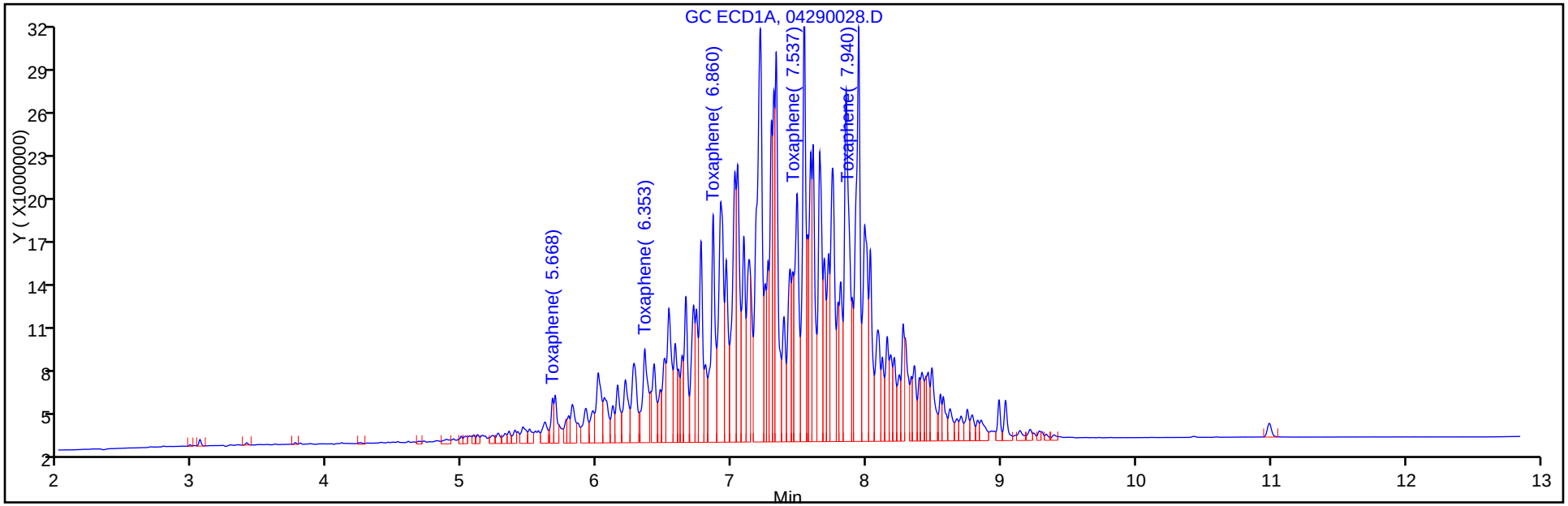
Report Date: 30-Apr-2013 13:34:23 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

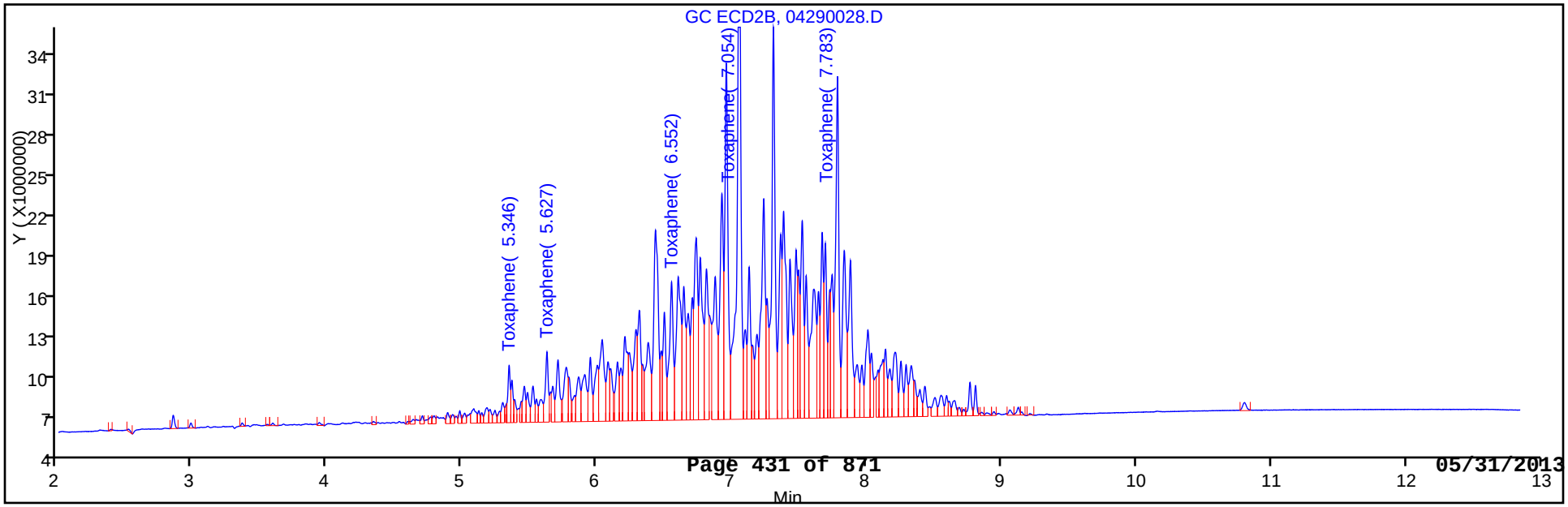
Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290028.D

Injection Date:	29-Apr-2013 20:48:54	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



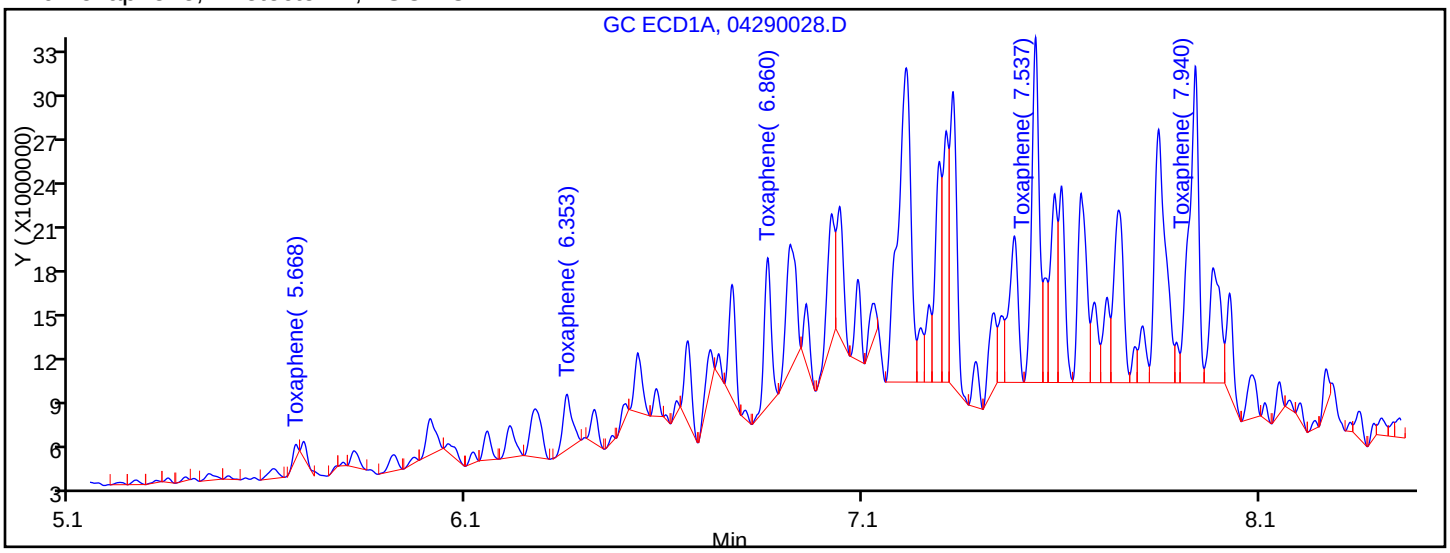
Report Date: 30-Apr-2013 13:34:24 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290028.D

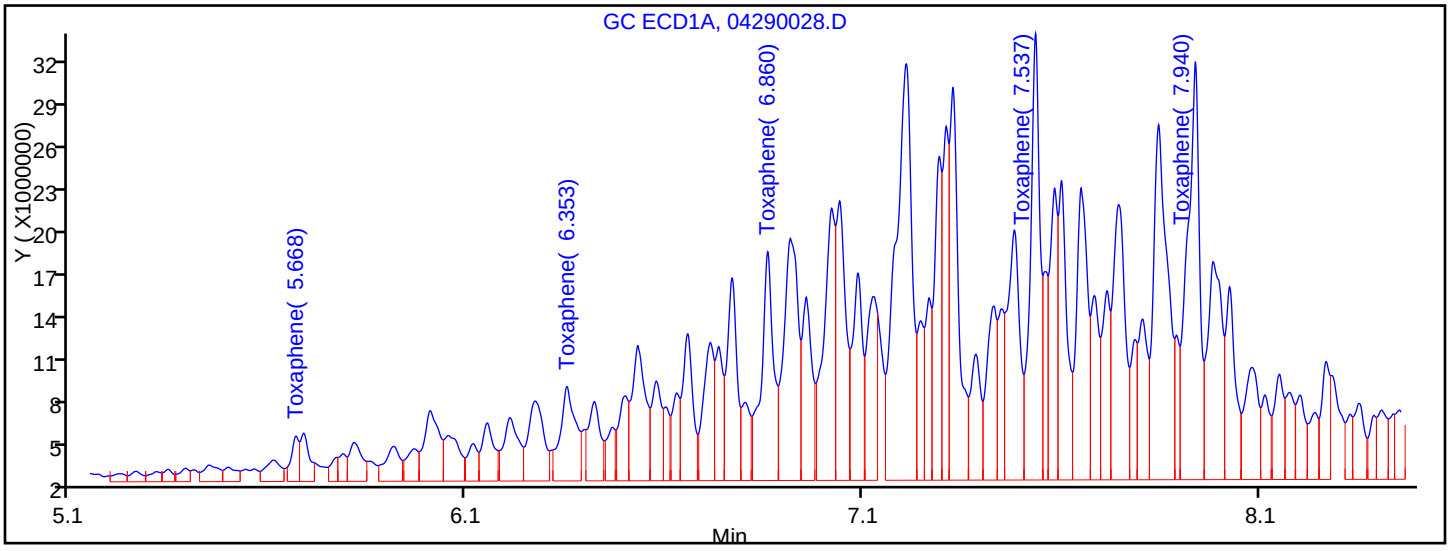
Injection Date:	29-Apr-2013 20:48:54	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.668	Response = 786968	M
RT = 6.353	Response = 5923001	M
RT = 6.860	Response = 12315504	M
RT = 7.537	Response = 30835555	M
RT = 7.940	Response = 36063264	M



Manual Integration Results

RT = 5.668	Response = 4101191	M
RT = 6.353	Response = 17625591	M
RT = 6.860	Response = 33515658	M
RT = 7.537	Response = 51358756	M
RT = 7.940	Response = 62158629	M

Reviewer: wellsd, 30-Apr-2013 10:06:21

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290029.D
Lims ID: STD1 TOX
Client ID:
Inject. Date: 29-Apr-2013 21:06:22
Dil. Factor: 1.0000
Sample Type: IC
Calib Level: 1
Sample ID: STD1 TOX
Misc. Info.:
Operator: DW
Instrument ID: SGC_P1
Injection Vol: 1.0 ul
ALS Bottle#: 29
Lims Batch ID: 171763
Lims Sample ID: 29
Sublist: chrom-8081 P1*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m
Last Update: 30-Apr-2013 13:34:25
Calib Date: 29-Apr-2013 21:06:22
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290029.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1
Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	5.670	5.668	0.002	1898324	199.0		100.0	M
1	-65	6.355	6.353	0.002	7043932	195.3	382.1- 422.1	371.1	M
1	-65	6.862	6.860	0.002	14437272	195.5	776.5- 816.5	760.5	M
1	-65	7.537	7.536	0.001	21372395	195.0	1226.9-1266.9	1125.9	M
1	-65	7.941	7.939	0.002	25515876	195.6	1466.0-1506.0	1344.1	M
			Average of Peak Amounts =			196.1			
2	6	5.346	5.346	0.000	2467494	194.2		100.0	M
2	7	5.627	5.627	0.000	3489044	193.5	140.0- 200.0	141.4	M
2	8	6.552	6.550	0.002	8807467	197.0	411.6- 471.6	356.9	M
2	9	7.053	7.053	0.000	34614510	201.7	1853.2-1913.2	1402.8	M
2	10	7.783	7.783	0.000	17757738	201.0	956.9-1016.9	719.7	M
			Average of Peak Amounts =			197.5			
						RPD = 0.71			

QC Flag Legend

Review Flags
M - Manually Integrated

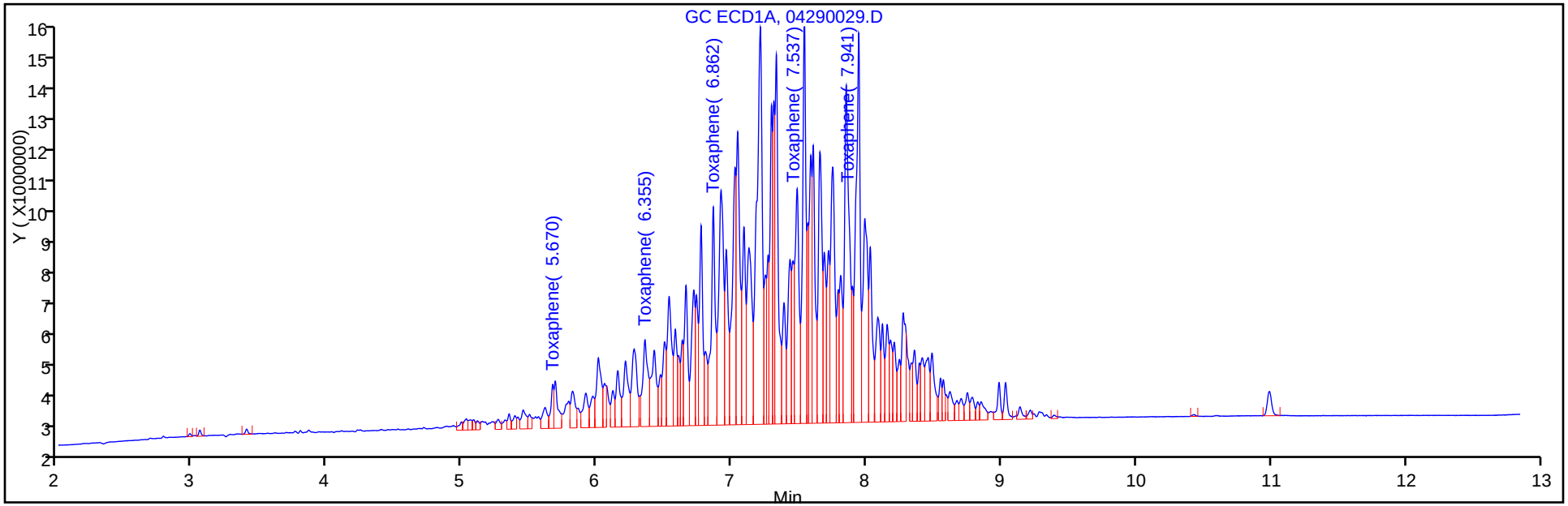
Report Date: 30-Apr-2013 13:34:25 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

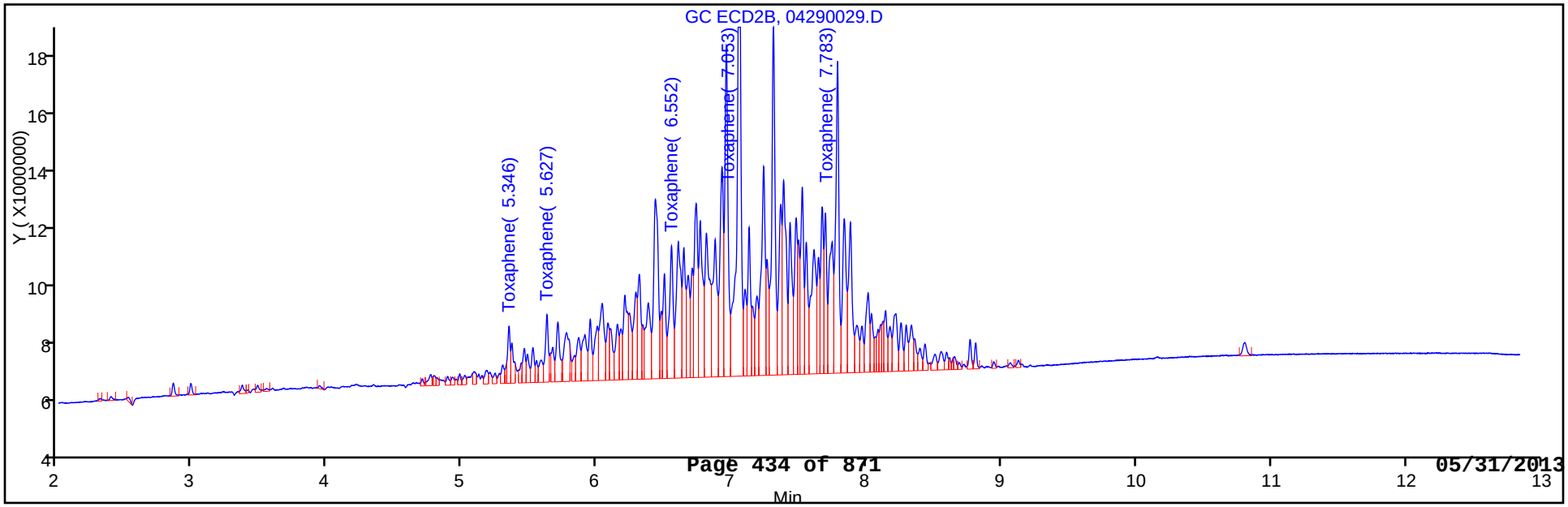
Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290029.D

Injection Date:	29-Apr-2013 21:06:22	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	29
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



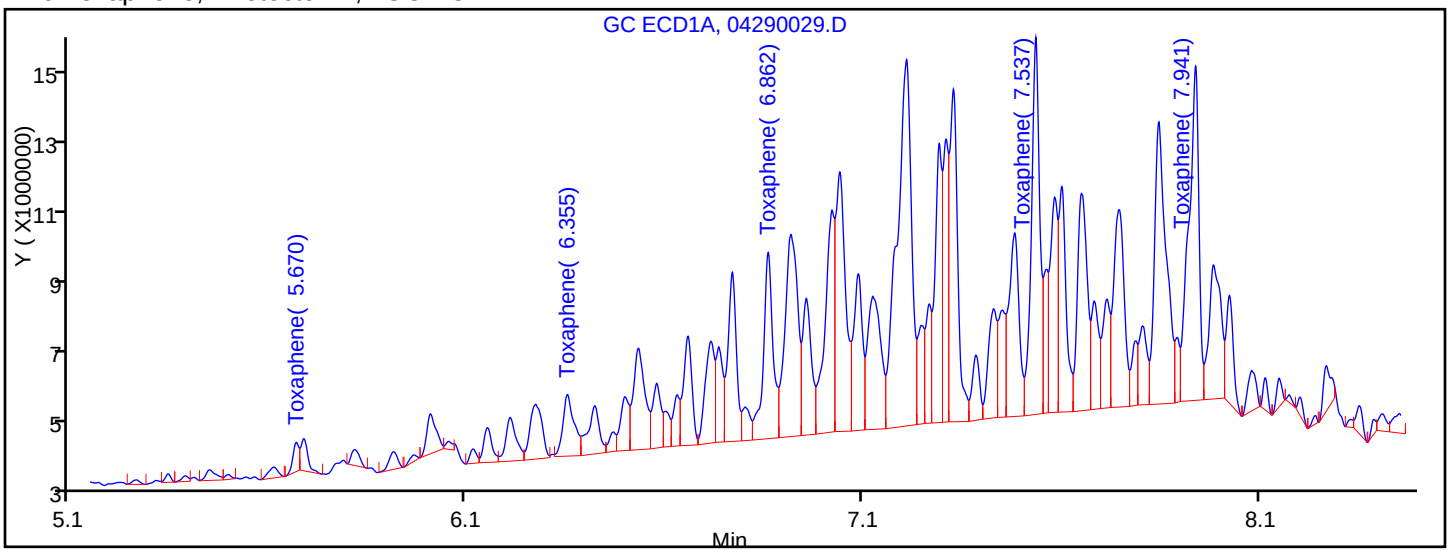
Report Date: 30-Apr-2013 13:34:25 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290029.D

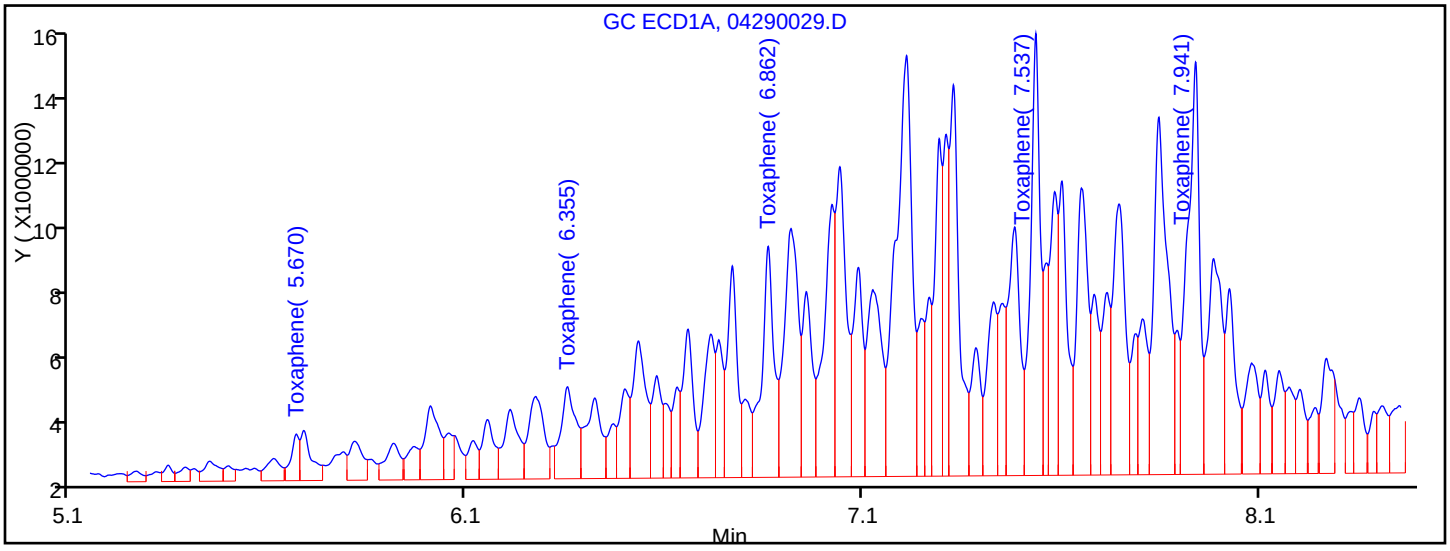
Injection Date:	29-Apr-2013 21:06:22	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	29
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.670	Response = 885302	M
RT = 6.355	Response = 3473906	M
RT = 6.862	Response = 9067426	M
RT = 7.537	Response = 15736758	M
RT = 7.941	Response = 17189777	M



Manual Integration Results

RT = 5.670	Response = 1898324	M
RT = 6.355	Response = 7043932	M
RT = 6.862	Response = 14437272	M
RT = 7.537	Response = 21372395	M
RT = 7.941	Response = 25515876	M

Reviewer: wellsd, 30-Apr-2013 10:06:34

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 171763

SDG No.:

Instrument ID: SGC_P1 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2013 19:38 Calibration End Date: 04/29/2013 21:06 Calibration ID: 13808

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-171763/29	04290029.D
Level 2	STD2 280-171763/28	04290028.D
Level 3	STD3 280-171763/27	04290027.D
Level 4	STD4 280-171763/26	04290026.D
Level 5	STD5 280-171763/25	04290025.D
Level 6	STD6 280-171763/24	04290024.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Toxaphene Peak 1	5.346	5.346	5.346	5.346	5.346	5.346					5.326 - 5.366	5.346
Toxaphene Peak 2	5.627	5.627	5.627	5.627	5.627	5.627					5.607 - 5.647	5.627
Toxaphene Peak 3	6.552	6.552	6.551	6.550	6.550	6.550					6.530 - 6.570	6.551
Toxaphene Peak 4	7.053	7.054	7.053	7.053	7.054	7.054					7.033 - 7.073	7.054
Toxaphene Peak 5	7.783	7.783	7.782	7.783	7.783	7.783					7.763 - 7.803	7.783

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 171763

SDG No.:

Instrument ID: SGC_P1 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2013 19:38 Calibration End Date: 04/29/2013 21:06 Calibration ID: 13808

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-171763/29	04290029.D
Level 2	STD2 280-171763/28	04290028.D
Level 3	STD3 280-171763/27	04290027.D
Level 4	STD4 280-171763/26	04290026.D
Level 5	STD5 280-171763/25	04290025.D
Level 6	STD6 280-171763/24	04290024.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	12337 7720.5	10124 7528.2	9023.1	8308.3	Lin2	959109.766	7766.97256							0.9980		0.9900
Toxaphene Peak 2	17445 12994	15743 12331	15071	14121	Lin2	922221.075	13265.0137							0.9950		0.9900
Toxaphene Peak 3	44037 35562	39767 33938	38474	36687	Lin2	1837622.51	35382.2924							0.9990		0.9900
Toxaphene Peak 4	173073 155087	161375 149383	134563	156458	Lin2	4769094.52	147995.049							0.9940		0.9900
Toxaphene Peak 5	88789 82596	83023 81472	83456	81995	Lin2	1369758.63	81546.2315							1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 171763

SDG No.:

Instrument ID: SGC_P1 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/29/2013 19:38 Calibration End Date: 04/29/2013 21:06 Calibration ID: 13808

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-171763/29	04290029.D
Level 2	STD2 280-171763/28	04290028.D
Level 3	STD3 280-171763/27	04290027.D
Level 4	STD4 280-171763/26	04290026.D
Level 5	STD5 280-171763/25	04290025.D
Level 6	STD6 280-171763/24	04290024.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Lin2	2467494 75282053	5062213	9023131	16616514	38602560	200 10000	500	1000	2000	5000
Toxaphene Peak 2	Lin2	3489044 123314149	7871516	15070877	28241468	64971750	200 10000	500	1000	2000	5000
Toxaphene Peak 3	Lin2	8807467 339377199	19883563	38473558	73373730	177811143	200 10000	500	1000	2000	5000
Toxaphene Peak 4	Lin2	34614510 1493833280	80687467	134562782	312915438	775435063	200 10000	500	1000	2000	5000
Toxaphene Peak 5	Lin2	17757738 814715604	41511708	83456427	163989497	412982116	200 10000	500	1000	2000	5000

Curve Type Legend:
Lin2 = Linear 1/conc^2

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290024.D		
Lims ID:	STD6 TOX	Client ID:	
Inject. Date:	29-Apr-2013 19:38:59	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD6 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P1
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	171763	Lims Sample ID:	24
Sublist:	chrom-8081 P1*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m		
Last Update:	30-Apr-2013 13:34:17	Calib Date:	29-Apr-2013 19:38:59
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290024.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									
1	-65	5.670	5.668	0.002	73120548	10000		100.0	
1	-65	6.353	6.353	0.000	315747836	10000	382.1- 422.1	431.8	
1	-65	6.860	6.860	0.000	553515446	10000	776.5- 816.5	757.0	
1	-65	7.537	7.536	0.001	873067816	10000	1226.9-1266.9	1194.0	
1	-65	7.940	7.939	0.001	1072754904	10000	1466.0-1506.0	1467.1	
			Average of Peak Amounts =			10000			
2	6	5.346	5.346	0.000	75282053	10000		100.0	
2	7	5.627	5.627	0.000	123314149	10000	140.0- 200.0	163.8	
2	8	6.550	6.550	0.000	339377199	10000	411.6- 471.6	450.8	
2	9	7.054	7.053	0.001	1493833280	10000	1853.2-1913.2	1984.3	
2	10	7.783	7.783	0.000	814715604	10000	956.9-1016.9	1082.2	
			Average of Peak Amounts =			10000			
						RPD = 0.00			

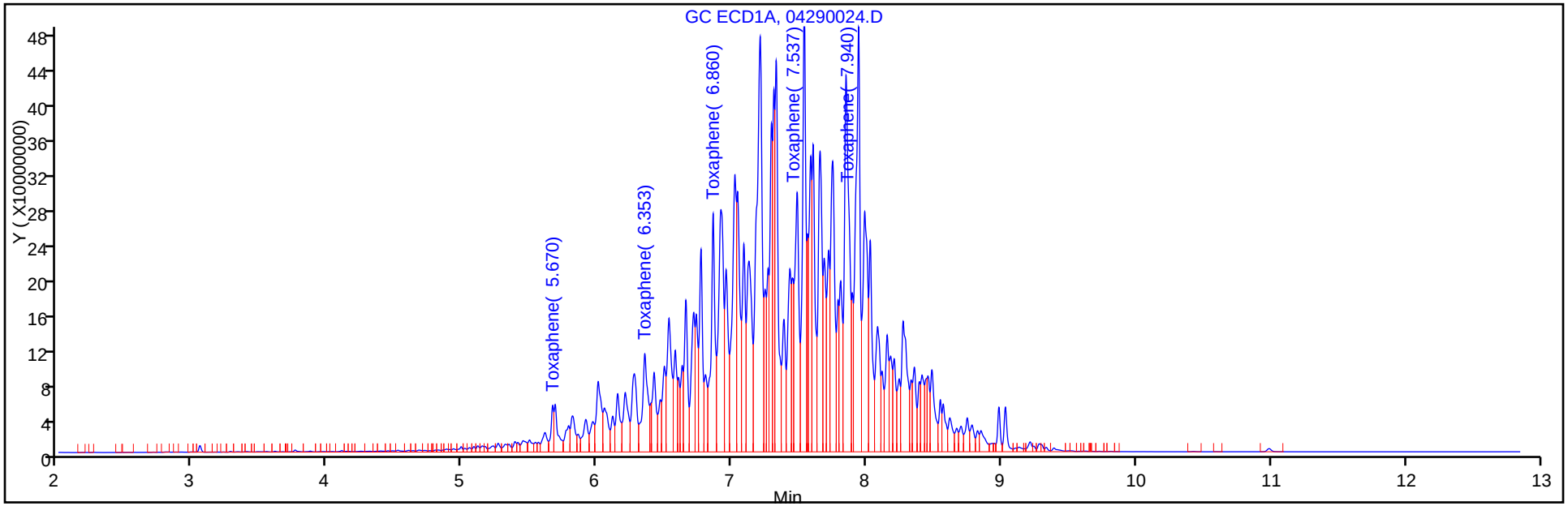
Report Date: 30-Apr-2013 13:34:17 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

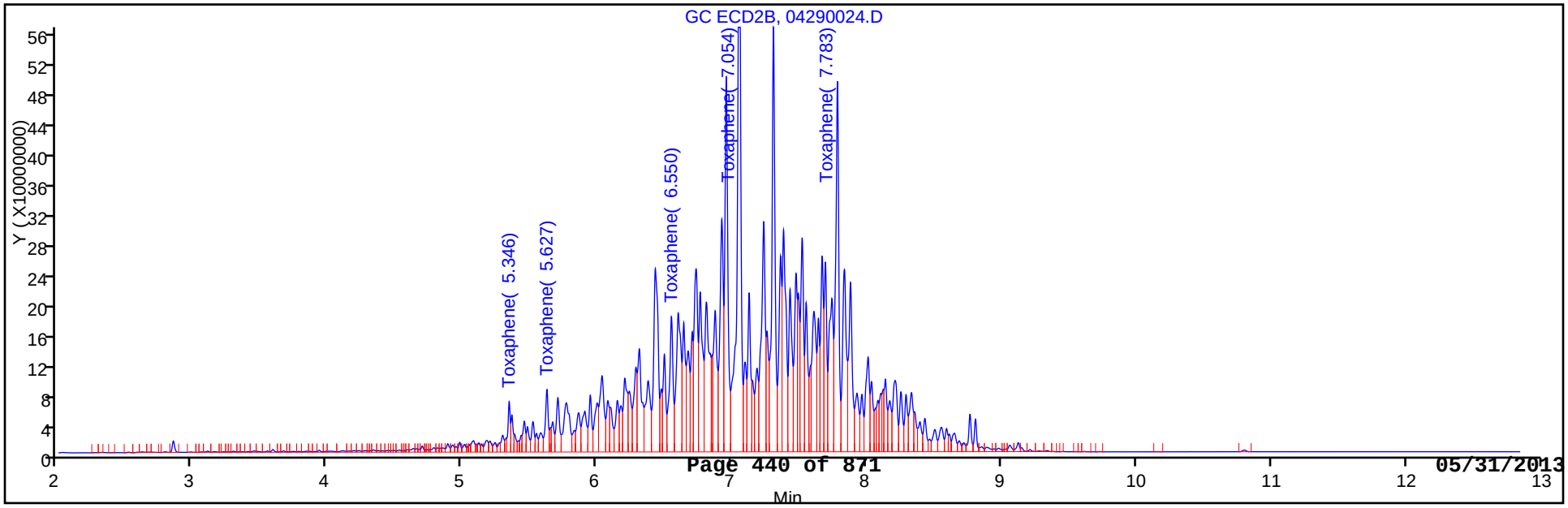
Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290024.D

Injection Date:	29-Apr-2013 19:38:59	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	24
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290025.D		
Lims ID:	STD5 TOX	Client ID:	
Inject. Date:	29-Apr-2013 19:56:28	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD5 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P1
Injection Vol:	1.0 ul	ALS Bottle#:	25
Lims Batch ID:	171763	Lims Sample ID:	25
Sublist:	chrom-8081 P1*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m		
Last Update:	30-Apr-2013 13:34:18	Calib Date:	29-Apr-2013 19:56:28
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290025.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									
1	-65	5.669	5.668	0.001	37833002	5000.0		100.0	
1	-65	6.354	6.353	0.001	163716649	5000.0	382.1- 422.1	432.7	
1	-65	6.860	6.860	0.000	304681747	5000.0	776.5- 816.5	805.3	
1	-65	7.537	7.536	0.001	470552142	5000.0	1226.9-1266.9	1243.8	
1	-65	7.939	7.939	0.000	568191566	5000.0	1466.0-1506.0	1501.8	
			Average of Peak Amounts =			5000.0			
2	6	5.346	5.346	0.000	38602560	5000.0		100.0	
2	7	5.627	5.627	0.000	64971750	5000.0	140.0- 200.0	168.3	
2	8	6.550	6.550	0.000	177811143	5000.0	411.6- 471.6	460.6	
2	9	7.054	7.053	0.001	775435063	5000.0	1853.2-1913.2	2008.8	
2	10	7.783	7.783	0.000	412982116	5000.0	956.9-1016.9	1069.8	
			Average of Peak Amounts =			5000.0			
						RPD = 0.00			

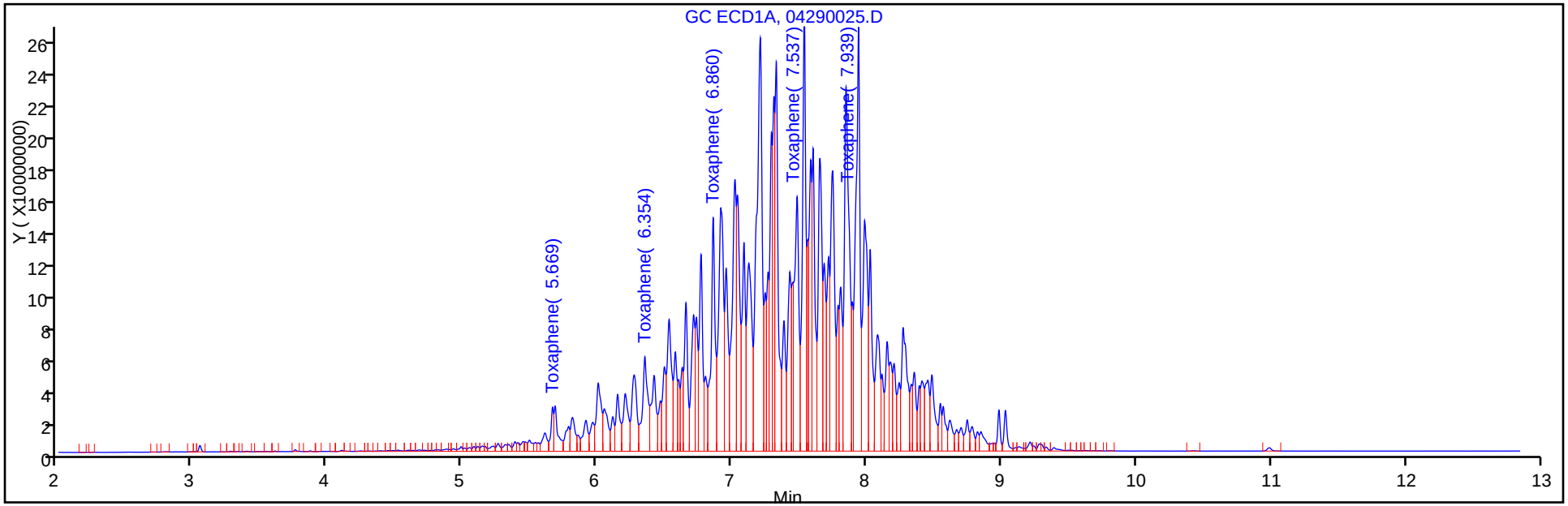
Report Date: 30-Apr-2013 13:34:19 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

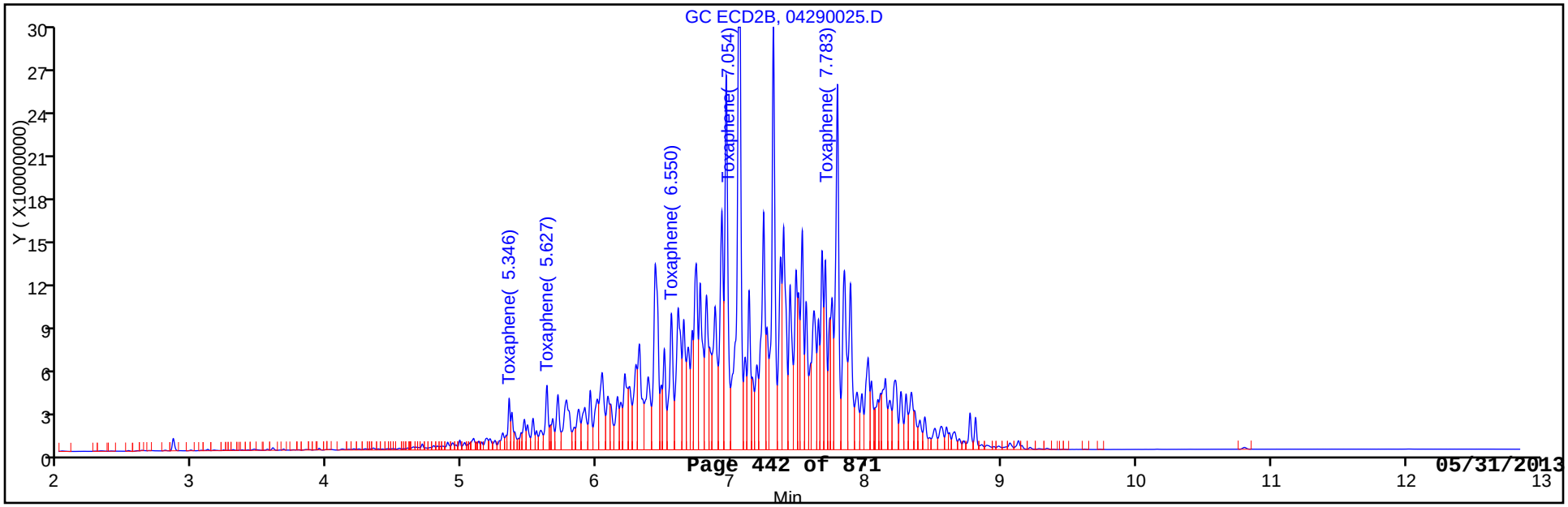
Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290025.D

Injection Date:	29-Apr-2013 19:56:28	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	25
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290026.D		
Lims ID:	STD4 TOX	Client ID:	
Inject. Date:	29-Apr-2013 20:13:56	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD4 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P1
Injection Vol:	1.0 ul	ALS Bottle#:	26
Lims Batch ID:	171763	Lims Sample ID:	26
Sublist:	chrom-8081 P1*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m		
Last Update:	30-Apr-2013 13:34:20	Calib Date:	29-Apr-2013 20:13:56
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290026.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	5.668	5.668	0.000	15847069	1995.7		100.0	M
1	-65	6.353	6.353	0.000	63721047	1989.5	382.1- 422.1	402.1	M
1	-65	6.860	6.860	0.000	126215514	1979.7	776.5- 816.5	796.5	M
1	-65	7.536	7.536	0.000	197601106	1986.0	1226.9-1266.9	1246.9	M
1	-65	7.939	7.939	0.000	235483489	1989.2	1466.0-1506.0	1486.0	M
			Average of Peak Amounts =			1988.0			
2	6	5.346	5.346	0.000	16616514	2000.1		100.0	M
2	7	5.627	5.627	0.000	28241468	1994.5	140.0- 200.0	170.0	M
2	8	6.550	6.550	0.000	73373730	1991.5	411.6- 471.6	441.6	M
2	9	7.053	7.053	0.000	312915438	1991.9	1853.2-1913.2	1883.2	M
2	10	7.783	7.783	0.000	163989497	1996.3	956.9-1016.9	986.9	M
			Average of Peak Amounts =			1994.8			
						RPD = 0.34			

QC Flag Legend

Review Flags
M - Manually Integrated

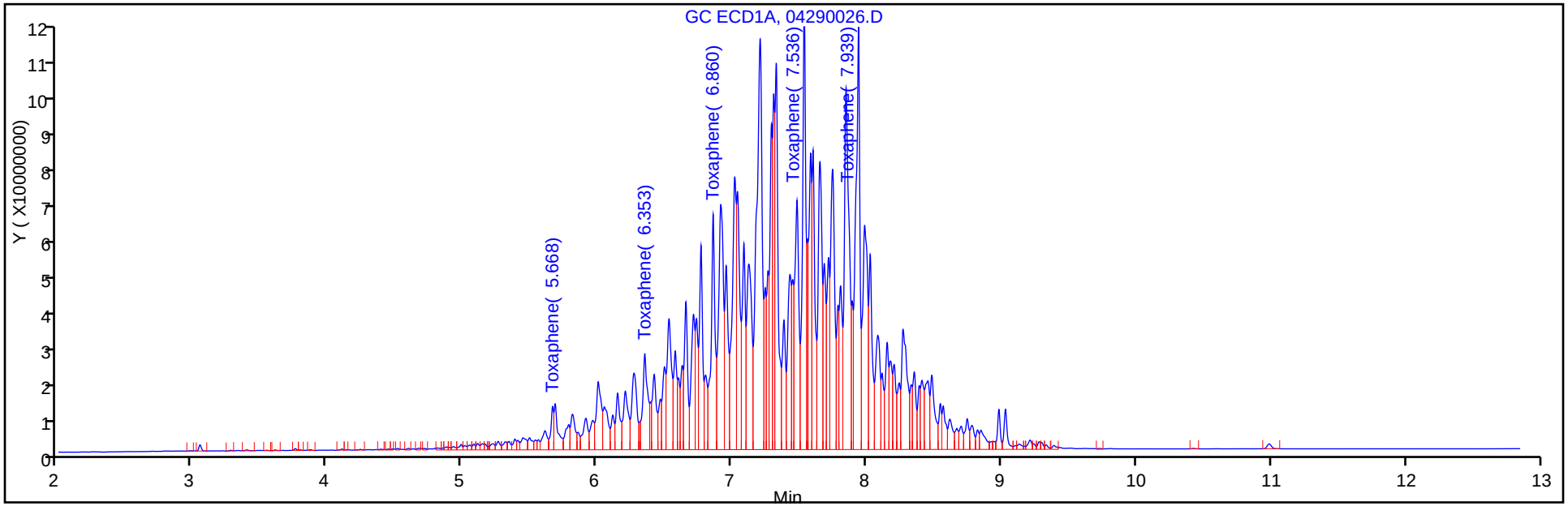
Report Date: 30-Apr-2013 13:34:20 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

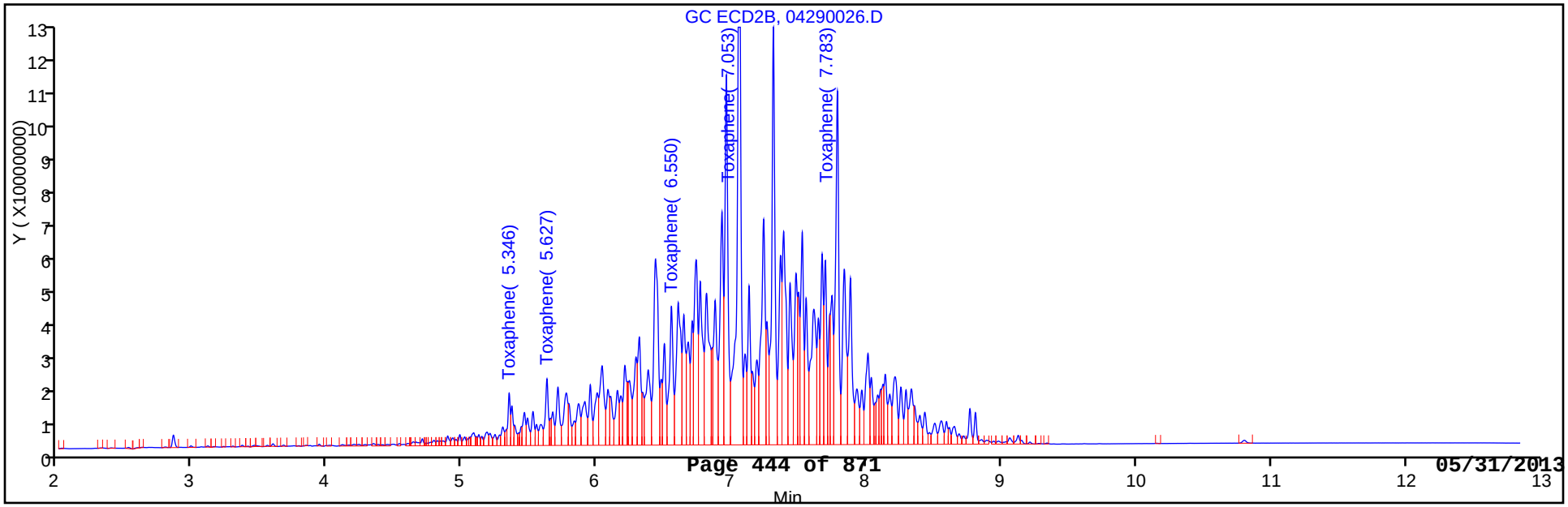
Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290026.D

Injection Date:	29-Apr-2013 20:13:56	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



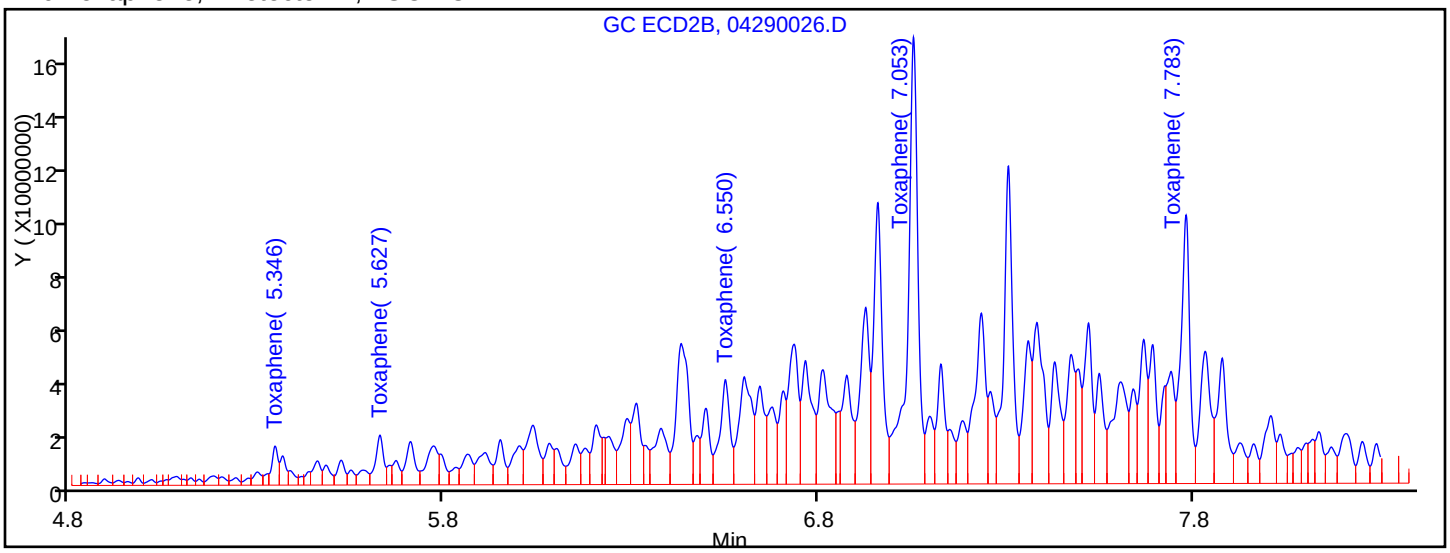
Report Date: 30-Apr-2013 13:34:20 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290026.D

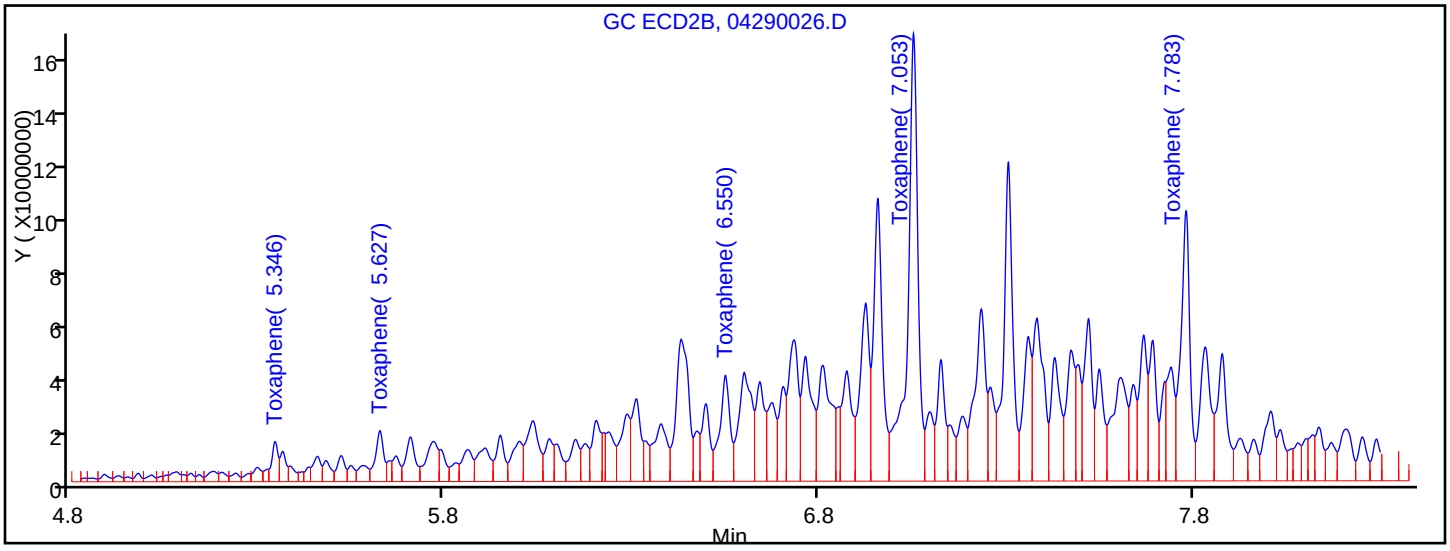
Injection Date:	29-Apr-2013 20:13:56	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 5.346	Response = 15915895	M
RT = 5.627	Response = 27041432	M
RT = 6.550	Response = 71532921	M
RT = 7.053	Response = 309383718	M
RT = 7.783	Response = 161741290	M



Manual Integration Results

RT = 5.346	Response = 16616514	M
RT = 5.627	Response = 28241468	M
RT = 6.550	Response = 73373730	M
RT = 7.053	Response = 312915438	M
RT = 7.783	Response = 163989497	M

Reviewer: wellsd, 30-Apr-2013 10:05:45

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290027.D		
Lims ID:	STD3 TOX	Client ID:	
Inject. Date:	29-Apr-2013 20:31:24	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD3 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P1
Injection Vol:	1.0 ul	ALS Bottle#:	27
Lims Batch ID:	171763	Lims Sample ID:	27
Sublist:	chrom-8081 P1*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m		
Last Update:	30-Apr-2013 13:34:21	Calib Date:	29-Apr-2013 20:31:24
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290027.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	5.668	5.668	0.000	8512821	997.2		100.0	M
1	-65	6.352	6.353	-0.001	35779005	1016.3	382.1- 422.1	420.3	M
1	-65	6.860	6.860	0.000	66850603	988.0	776.5- 816.5	785.3	M
1	-65	7.537	7.536	0.001	106314395	991.0	1226.9-1266.9	1248.9	M
1	-65	7.939	7.939	0.000	121937945	990.2	1466.0-1506.0	1432.4	M
			Average of Peak Amounts =			996.6			
2	6	5.346	5.346	0.000	9023131	995.3		100.0	M
2	7	5.627	5.627	0.000	15070877	986.7	140.0- 200.0	167.0	M
2	8	6.551	6.550	0.001	38473558	994.4	411.6- 471.6	426.4	M
2	9	7.053	7.053	0.000	134562782	974.9	1853.2-1913.2	1491.3	M
2	10	7.782	7.783	-0.001	83456427	1001.7	956.9-1016.9	924.9	M
			Average of Peak Amounts =			990.6			
						RPD = 0.60			

QC Flag Legend

Review Flags
M - Manually Integrated

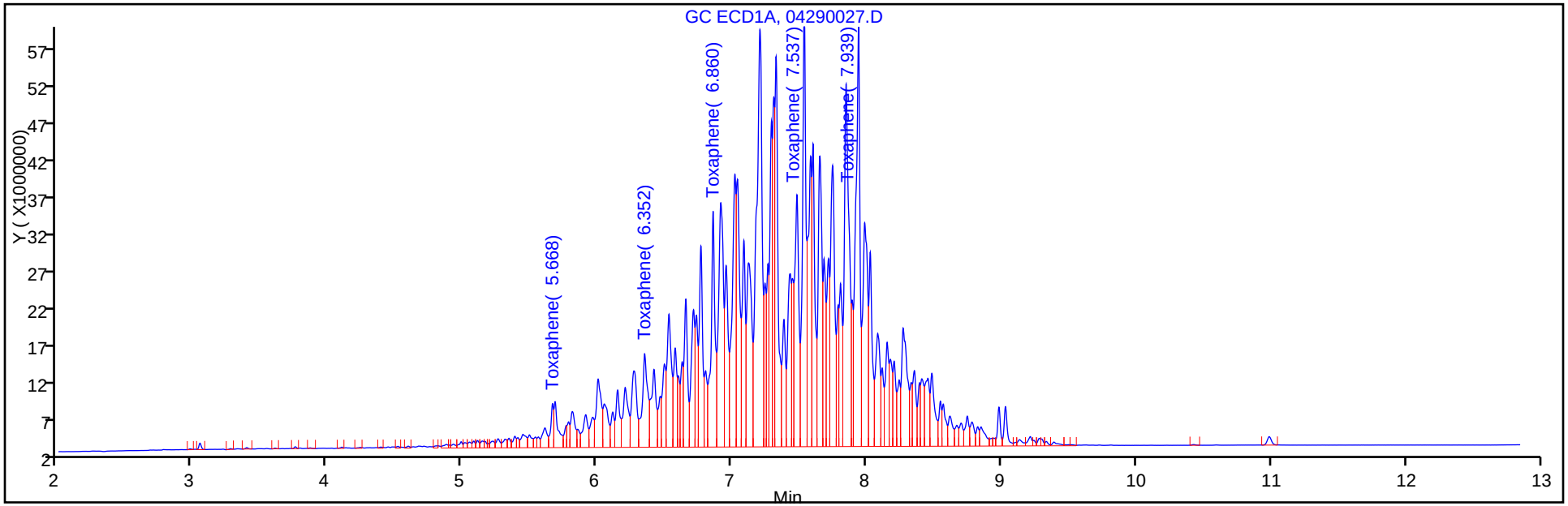
Report Date: 30-Apr-2013 13:34:22 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

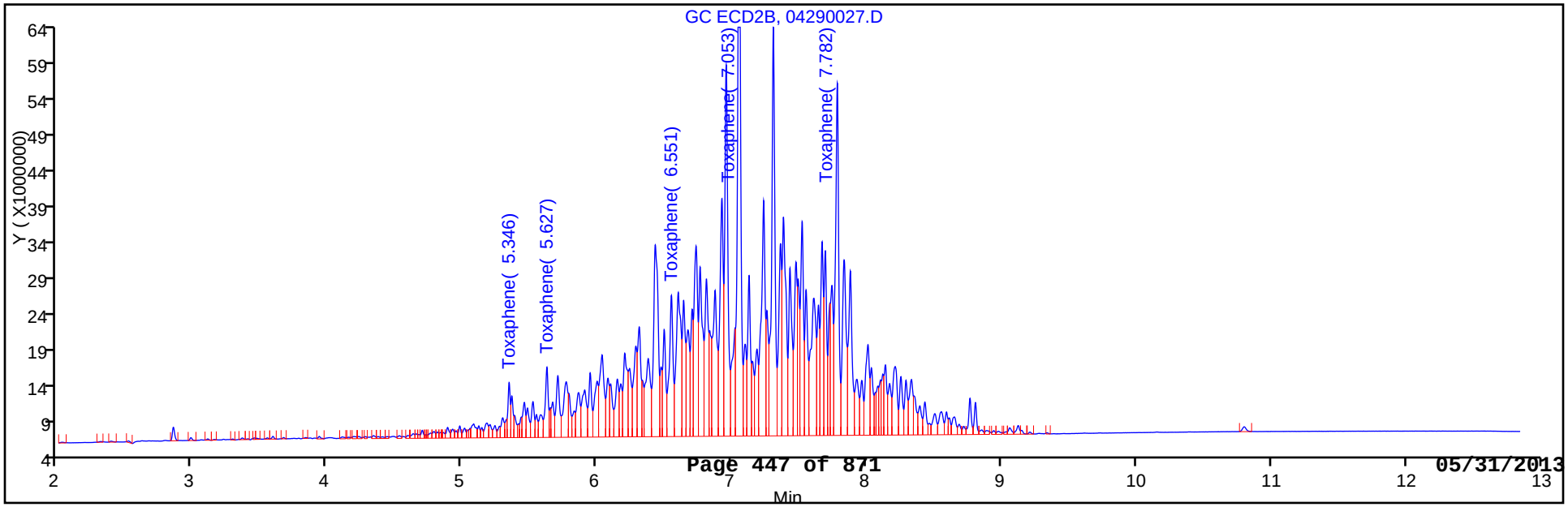
Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290027.D

Injection Date:	29-Apr-2013 20:31:24	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



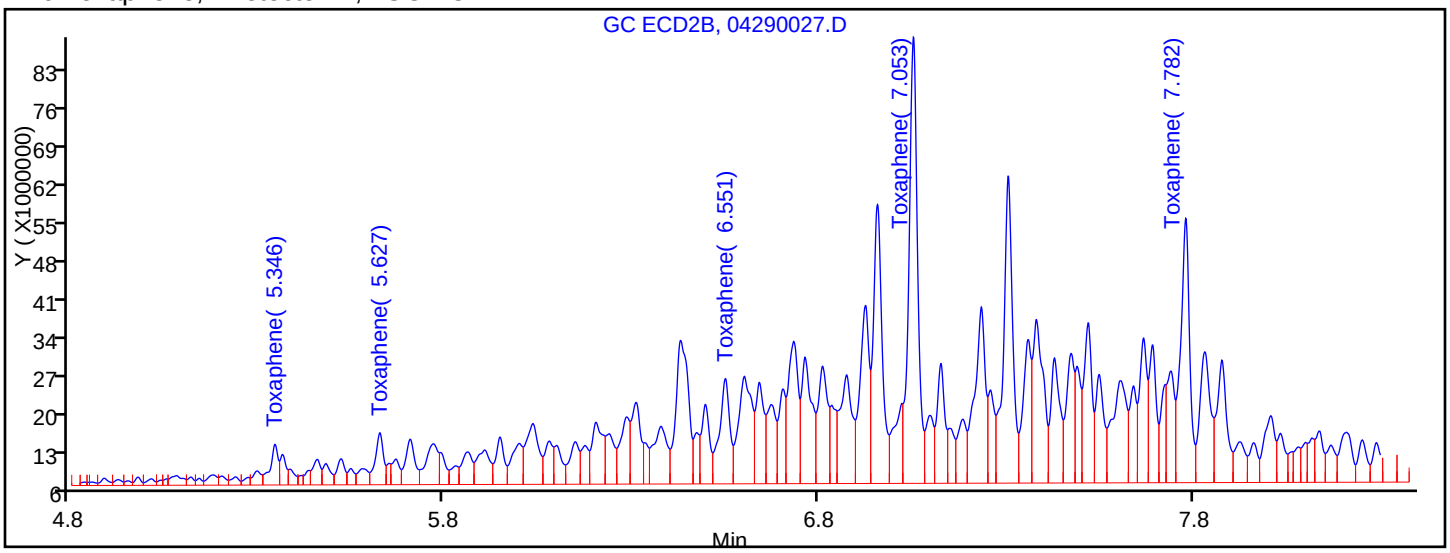
Report Date: 30-Apr-2013 13:34:22 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290027.D

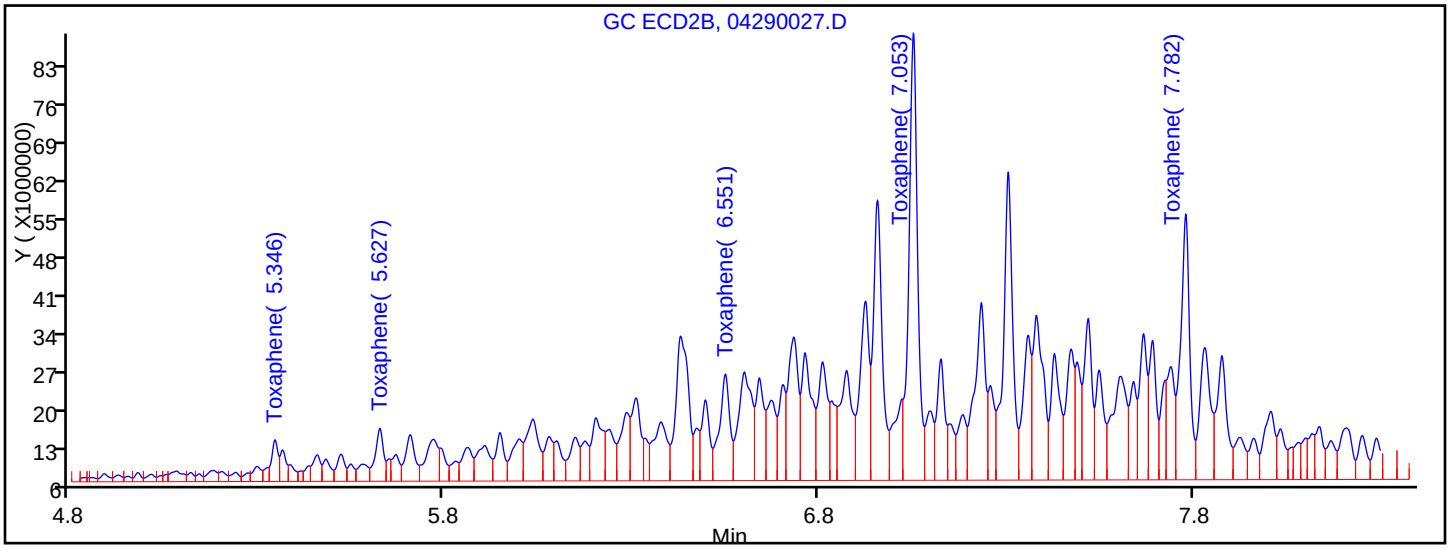
Injection Date:	29-Apr-2013 20:31:24	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 5.346	Response = 11000275	M
RT = 5.627	Response = 14546914	M
RT = 6.551	Response = 37676293	M
RT = 7.053	Response = 133618431	M
RT = 7.782	Response = 82488092	M



Manual Integration Results

RT = 5.346	Response = 9023131	M
RT = 5.627	Response = 15070877	M
RT = 6.551	Response = 38473558	M
RT = 7.053	Response = 134562782	M
RT = 7.782	Response = 83456427	M

Reviewer: wellsd, 30-Apr-2013 10:06:02

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290028.D		
Lims ID:	STD2 TOX	Client ID:	
Inject. Date:	29-Apr-2013 20:48:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P1
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	171763	Lims Sample ID:	28
Sublist:	chrom-8081 P1*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m		
Last Update:	30-Apr-2013 13:34:23	Calib Date:	29-Apr-2013 20:48:54
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290028.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	5.668	5.668	0.000	4101191	482.7		100.0	M
1	-65	6.353	6.353	0.000	17625591	489.4	382.1- 422.1	429.8	M
1	-65	6.860	6.860	0.000	33515658	484.3	776.5- 816.5	817.2	M
1	-65	7.537	7.536	0.001	51358756	479.4	1226.9-1266.9	1252.3	M
1	-65	7.940	7.939	0.001	62158629	490.5	1466.0-1506.0	1515.6	M
			Average of Peak Amounts =			485.3			
2	6	5.346	5.346	0.000	5062213	493.6		100.0	M
2	7	5.627	5.627	0.000	7871516	484.7	140.0- 200.0	155.5	M
2	8	6.552	6.550	0.002	19883563	492.0	411.6- 471.6	392.8	M
2	9	7.054	7.053	0.001	80687467	522.7	1853.2-1913.2	1593.9	M
2	10	7.783	7.783	0.000	41511708	498.0	956.9-1016.9	820.0	M
			Average of Peak Amounts =			498.2			
						RPD = 2.63			

QC Flag Legend

Review Flags
M - Manually Integrated

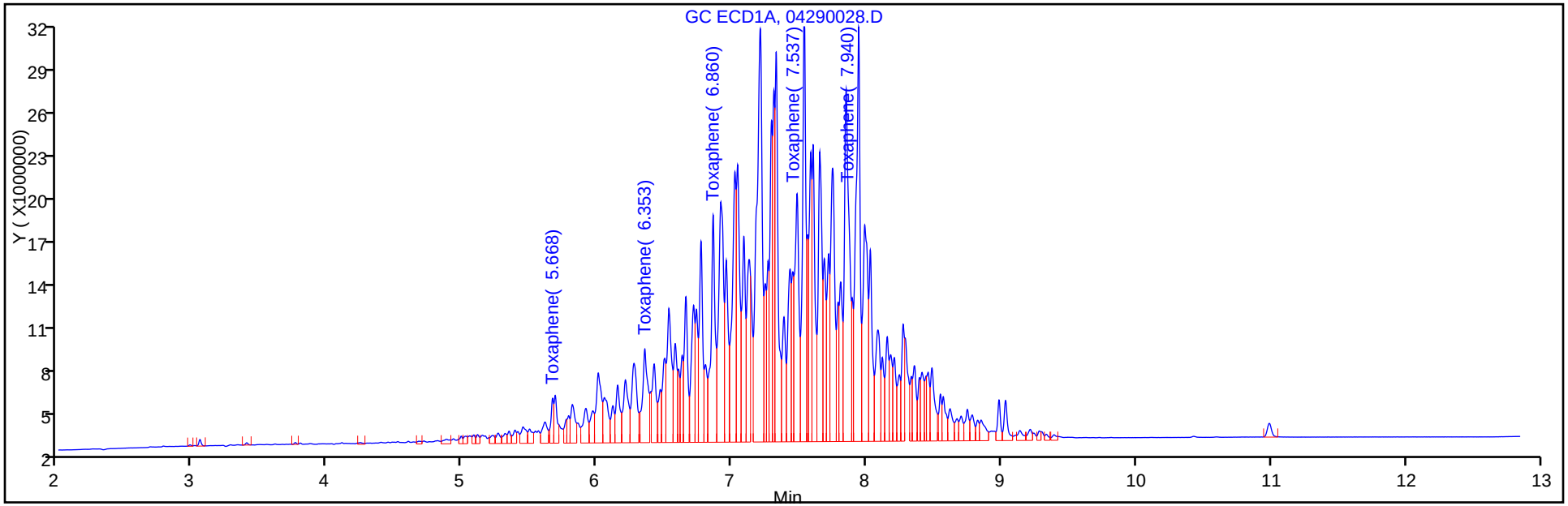
Report Date: 30-Apr-2013 13:34:24 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

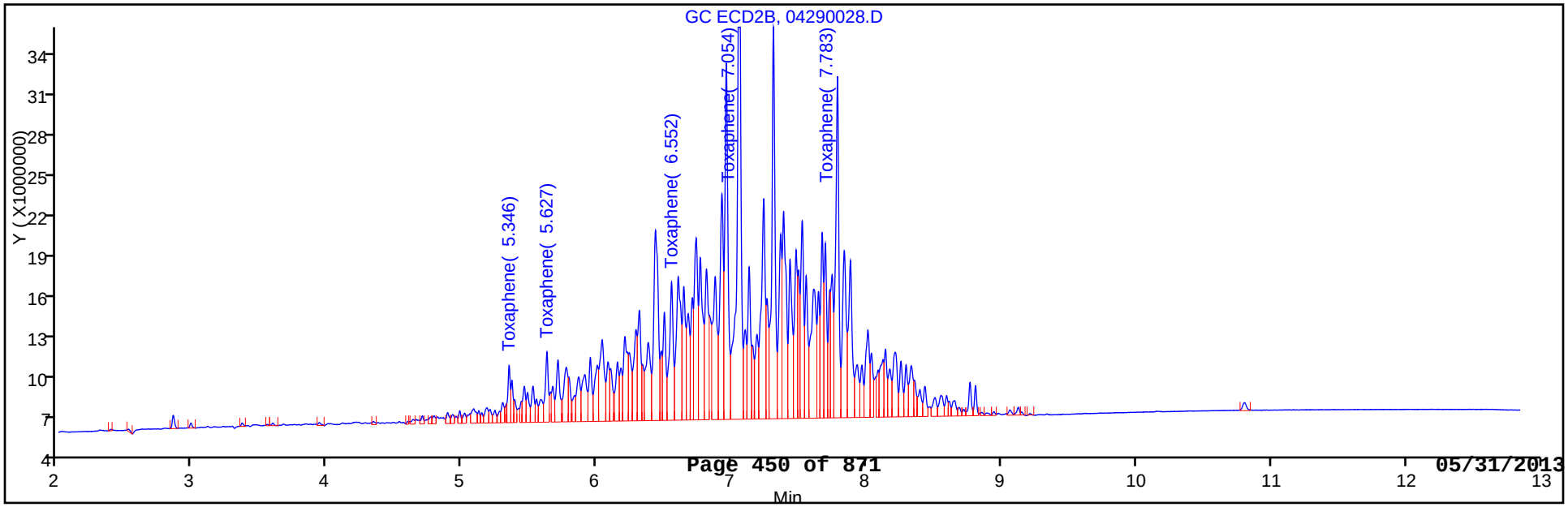
Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290028.D

Injection Date:	29-Apr-2013 20:48:54	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



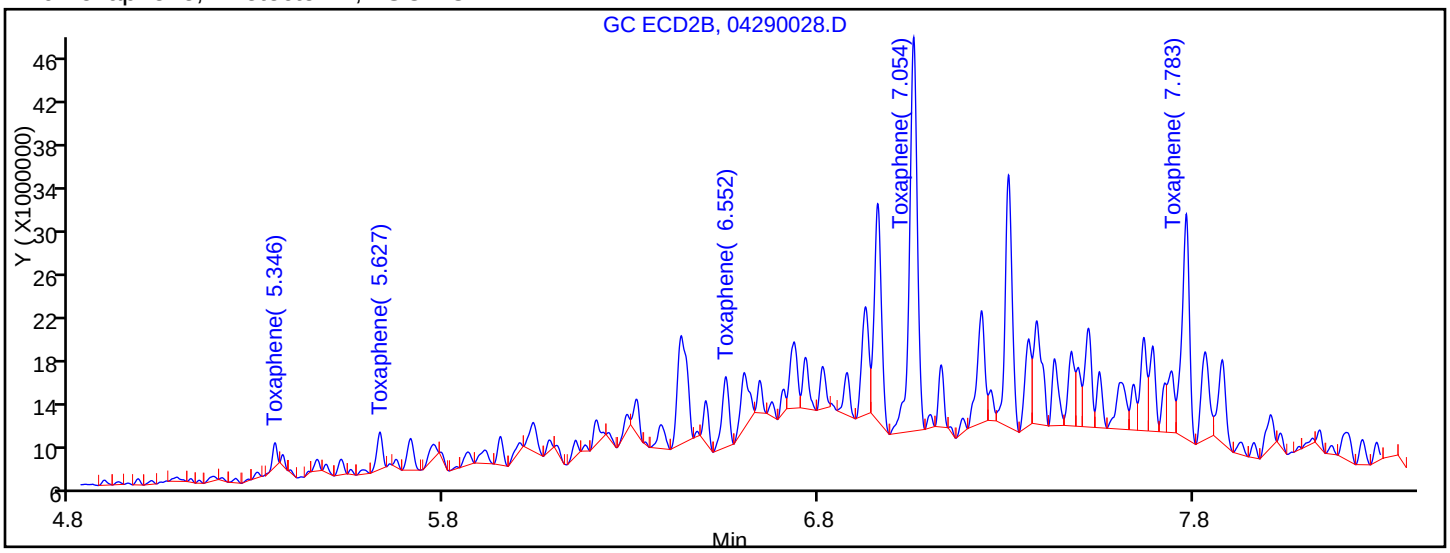
Report Date: 30-Apr-2013 13:34:24 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290028.D

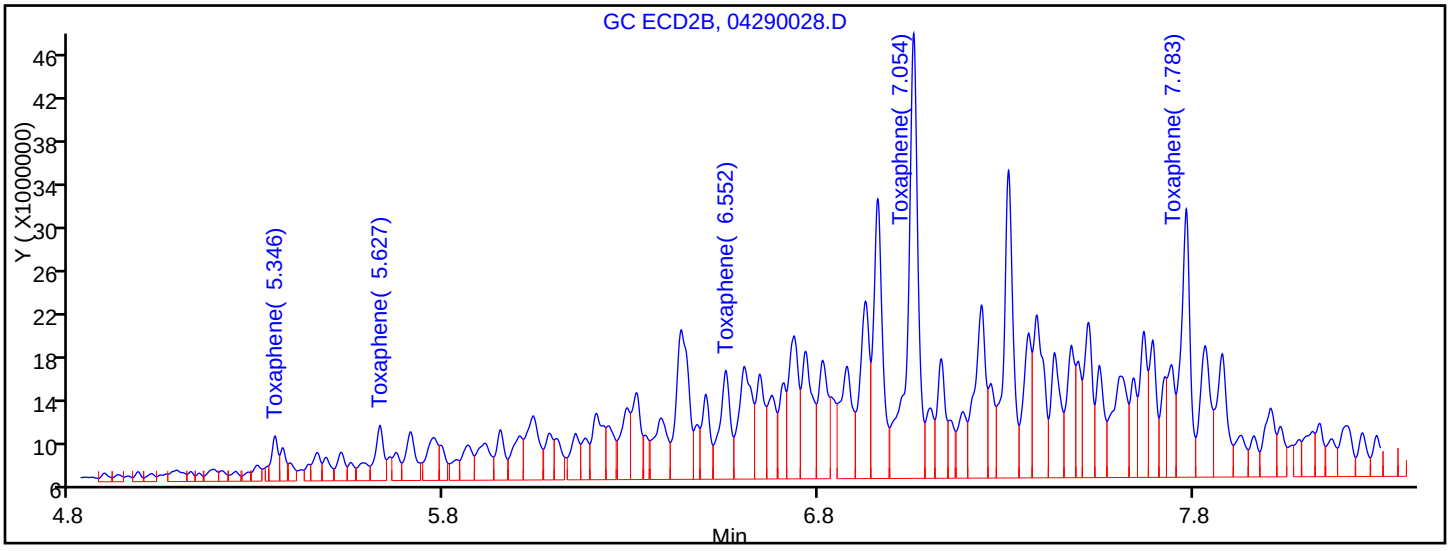
Injection Date:	29-Apr-2013 20:48:54	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 5.346	Response = 1797144	M
RT = 5.627	Response = 3628804	M
RT = 6.552	Response = 8505986	M
RT = 7.054	Response = 52895462	M
RT = 7.783	Response = 28513863	M



Manual Integration Results

RT = 5.346	Response = 5062213	M
RT = 5.627	Response = 7871516	M
RT = 6.552	Response = 19883563	M
RT = 7.054	Response = 80687467	M
RT = 7.783	Response = 41511708	M

Reviewer: wellsd, 30-Apr-2013 10:06:21

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290029.D		
Lims ID:	STD1 TOX	Client ID:	
Inject. Date:	29-Apr-2013 21:06:22	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD1 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P1
Injection Vol:	1.0 ul	ALS Bottle#:	29
Lims Batch ID:	171763	Lims Sample ID:	29
Sublist:	chrom-8081 P1*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m		
Last Update:	30-Apr-2013 13:34:25	Calib Date:	29-Apr-2013 21:06:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290029.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	5.670	5.668	0.002	1898324	199.0		100.0	M
1	-65	6.355	6.353	0.002	7043932	195.3	382.1- 422.1	371.1	M
1	-65	6.862	6.860	0.002	14437272	195.5	776.5- 816.5	760.5	M
1	-65	7.537	7.536	0.001	21372395	195.0	1226.9-1266.9	1125.9	M
1	-65	7.941	7.939	0.002	25515876	195.6	1466.0-1506.0	1344.1	M
			Average of Peak Amounts =			196.1			
2	6	5.346	5.346	0.000	2467494	194.2		100.0	M
2	7	5.627	5.627	0.000	3489044	193.5	140.0- 200.0	141.4	M
2	8	6.552	6.550	0.002	8807467	197.0	411.6- 471.6	356.9	M
2	9	7.053	7.053	0.000	34614510	201.7	1853.2-1913.2	1402.8	M
2	10	7.783	7.783	0.000	17757738	201.0	956.9-1016.9	719.7	M
			Average of Peak Amounts =			197.5			
						RPD = 0.71			

QC Flag Legend

Review Flags
M - Manually Integrated

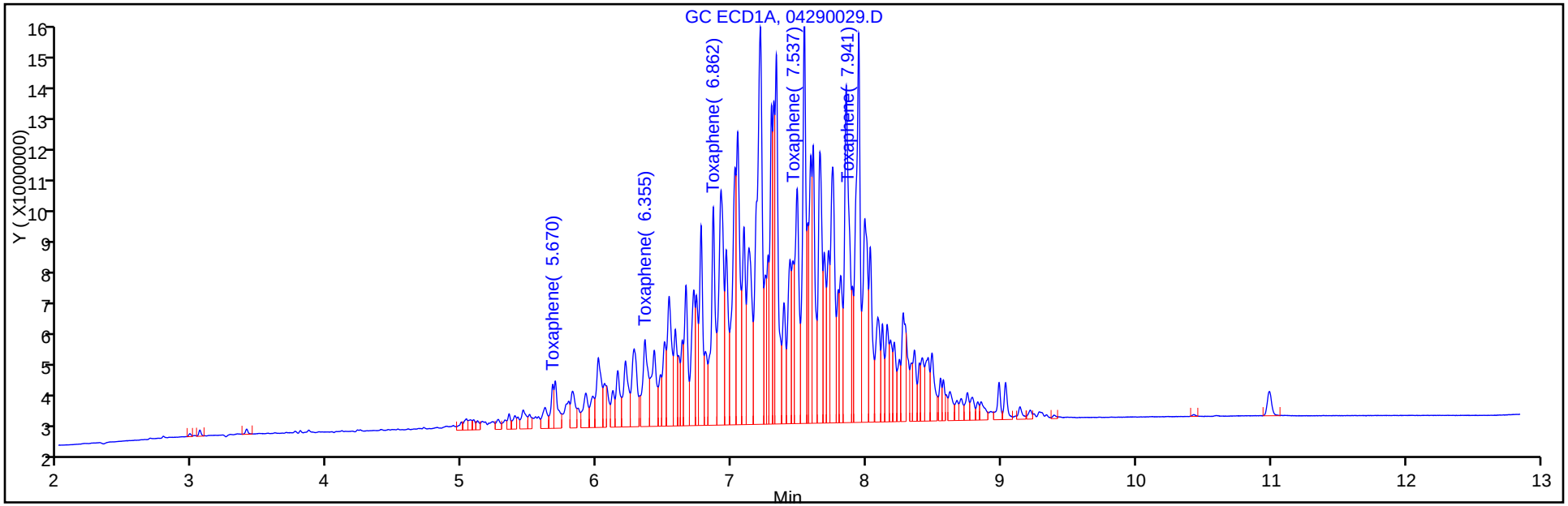
Report Date: 30-Apr-2013 13:34:26 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

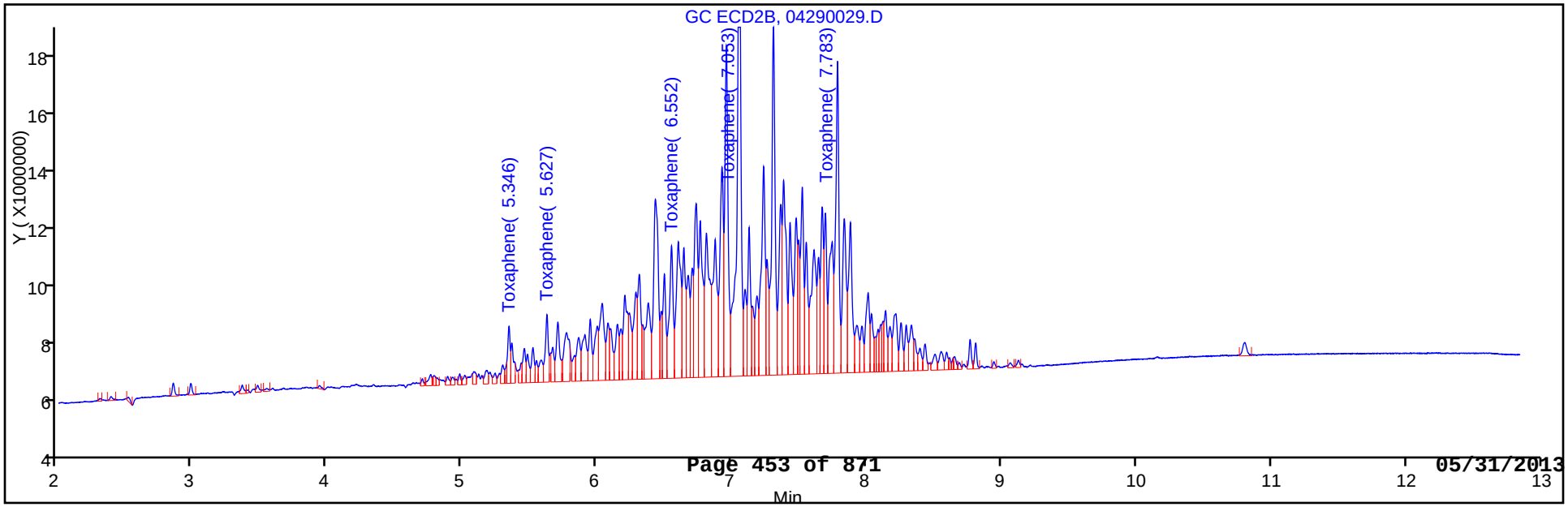
Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290029.D

Injection Date:	29-Apr-2013 21:06:22	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	29
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



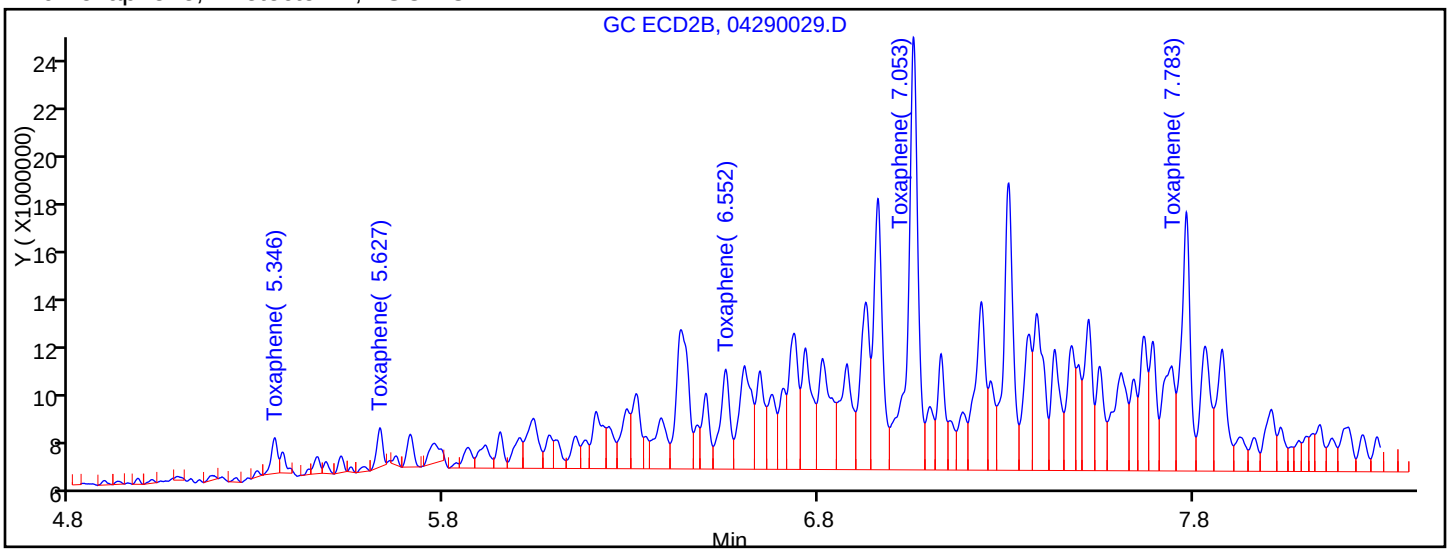
Report Date: 30-Apr-2013 13:34:26 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290029.D

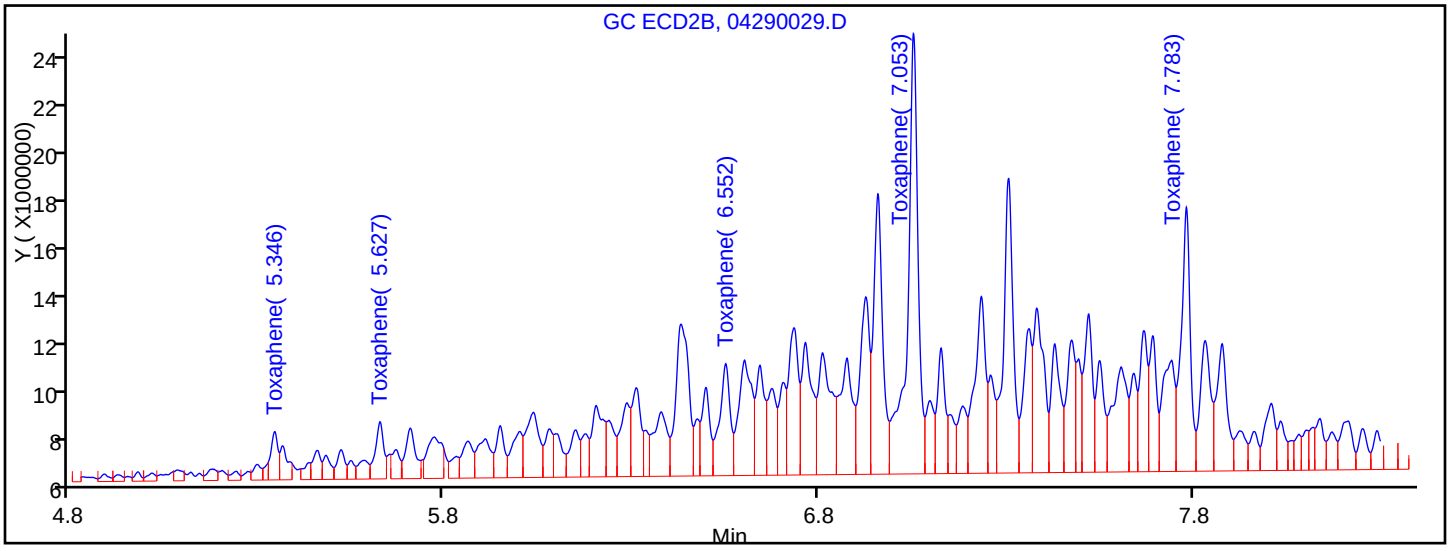
Injection Date:	29-Apr-2013 21:06:22	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	29
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 5.346	Response = 1641634	M
RT = 5.627	Response = 1673890	M
RT = 6.552	Response = 7124256	M
RT = 7.053	Response = 32263884	M
RT = 7.783	Response = 16912218	M



Manual Integration Results

RT = 5.346	Response = 2467494	M
RT = 5.627	Response = 3489044	M
RT = 6.552	Response = 8807467	M
RT = 7.053	Response = 34614510	M
RT = 7.783	Response = 17757738	M

Reviewer: wellsd, 30-Apr-2013 10:06:34

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 173579

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/09/2013 23:51 Calibration End Date: 05/10/2013 01:13 Calibration ID: 13994

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-173579/29	05090029.D
Level 2	STD2 280-173579/28	05090028.D
Level 3	STD3 280-173579/27	05090027.D
Level 4	STD4 280-173579/26	05090026.D
Level 5	STD5 280-173579/25	05090025.D
Level 6	STD6 280-173579/24	05090024.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Toxaphene Peak 1	6.137	6.138	6.137	6.137	6.138	6.136					6.117 - 6.157	6.137
Toxaphene Peak 2	6.648	6.647	6.647	6.647	6.647	6.646					6.627 - 6.667	6.647
Toxaphene Peak 3	7.327	7.327	7.326	7.326	7.327	7.326					7.306 - 7.346	7.327
Toxaphene Peak 4	7.727	7.726	7.726	7.725	7.727	7.727					7.705 - 7.745	7.726
Toxaphene Peak 5	8.196	8.196	8.196	8.194	8.195	8.194					8.174 - 8.214	8.195

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 173579

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/09/2013 23:51 Calibration End Date: 05/10/2013 01:13 Calibration ID: 13994

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-173579/29	05090029.D
Level 2	STD2 280-173579/28	05090028.D
Level 3	STD3 280-173579/27	05090027.D
Level 4	STD4 280-173579/26	05090026.D
Level 5	STD5 280-173579/25	05090025.D
Level 6	STD6 280-173579/24	05090024.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	2697.2 2955.6	3144.9 2954.9	3267.0	3166.8	Lin2	-66727.155	3128.91911							0.9960		0.9900
Toxaphene Peak 2	16772 16508	17692 16475	17784	16972	Lin2	32479.2079	16986.1880							0.9980		0.9900
Toxaphene Peak 3	26756 24858	26227 23554	28122	23785	Lin2	502072.288	24814.1285							0.9950		0.9900
Toxaphene Peak 4	46837 45868	49475 45485	48803	47237	Lin2	182664.398	47016.1552							0.9980		0.9900
Toxaphene Peak 5	18373 21818	22662 22095	22614	22842	Lin2	-773919.76	22869.1846							0.9980		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 173579

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/09/2013 23:51 Calibration End Date: 05/10/2013 01:13 Calibration ID: 13994

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-173579/29	05090029.D
Level 2	STD2 280-173579/28	05090028.D
Level 3	STD3 280-173579/27	05090027.D
Level 4	STD4 280-173579/26	05090026.D
Level 5	STD5 280-173579/25	05090025.D
Level 6	STD6 280-173579/24	05090024.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Lin2	539437 29549397	1572437	3266991	6333548	14777760	200 10000	500	1000	2000	5000
Toxaphene Peak 2	Lin2	3354367 164752532	8846109	17783982	33943497	82539541	200 10000	500	1000	2000	5000
Toxaphene Peak 3	Lin2	5351248 235542094	13113566	28121941	47570653	124290790	200 10000	500	1000	2000	5000
Toxaphene Peak 4	Lin2	9367331 454850884	24737506	48803240	94473152	229339033	200 10000	500	1000	2000	5000
Toxaphene Peak 5	Lin2	3674659 220951328	11331158	22613995	45683106	109091611	200 10000	500	1000	2000	5000

Curve Type Legend:
Lin2 = Linear 1/conc^2

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090024.D		
Lims ID:	STD6 TOX	Client ID:	
Inject. Date:	09-May-2013 23:51:09	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD6 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	18
Lims Batch ID:	173579	Lims Sample ID:	24
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\8081 P2.m		
Last Update:	10-May-2013 10:18:42	Calib Date:	10-May-2013 02:03:21
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090032.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 10-May-2013 08:26:00

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.136	6.137	-0.001	29549397	9465.3		100.0	M
1	-65	6.646	6.647	-0.001	164752532	9697.3	515.9- 555.9	557.5	M
1	-65	7.326	7.326	0.000	235542094	9472.0	731.1- 771.1	797.1	M
1	-65	7.727	7.725	0.002	454850884	9670.5	1471.6-1511.6	1539.3	M
1	-65	8.194	8.194	0.000	220951328	9695.4	701.3- 741.3	747.7	M
			Average of Peak Amounts =			9600.1			
2	6	6.677	6.676	0.001	135441763	9170.6		100.0	M
2	7	6.943	6.941	0.002	307889592	9537.3	185.9- 245.9	227.3	M
2	8	7.292	7.292	0.000	442824065	9589.0	281.4- 341.4	326.9	M
2	9	7.541	7.542	-0.001	569327976	9430.2	371.6- 431.6	420.3	M
2	10	8.375	8.375	0.000	221443436	9413.7	123.9- 183.9	163.5	M
			Average of Peak Amounts =			9428.1			
						RPD = 1.81			

QC Flag Legend

Review Flags
M - Manually Integrated

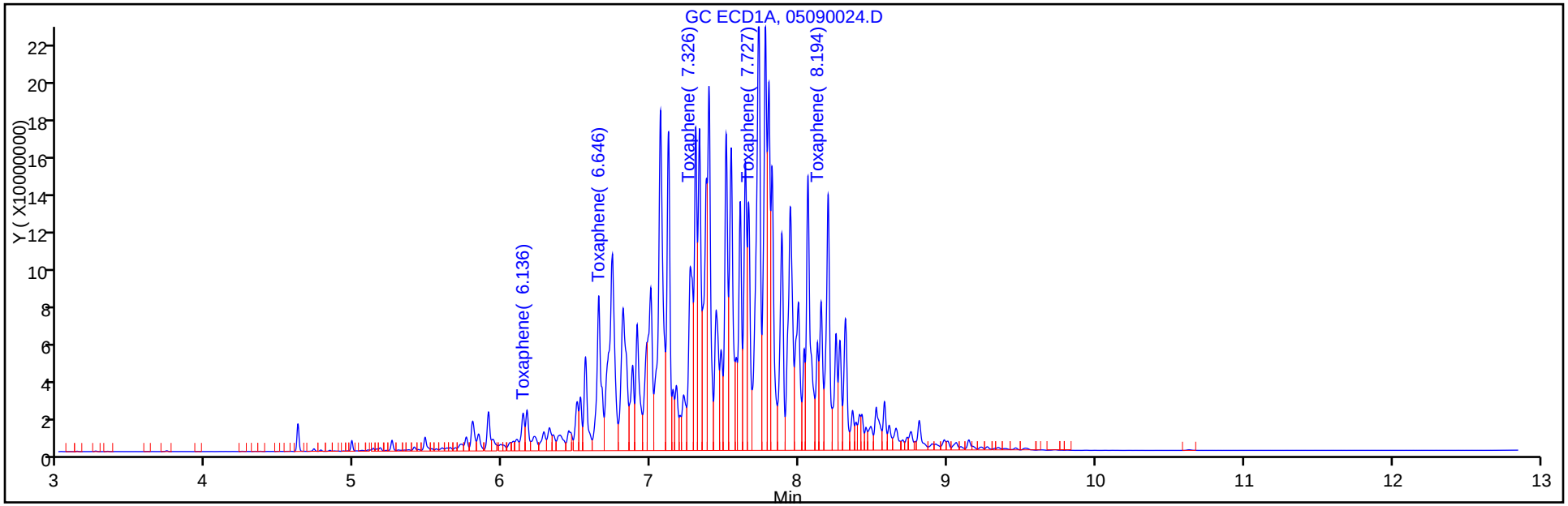
Report Date: 10-May-2013 10:18:42 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

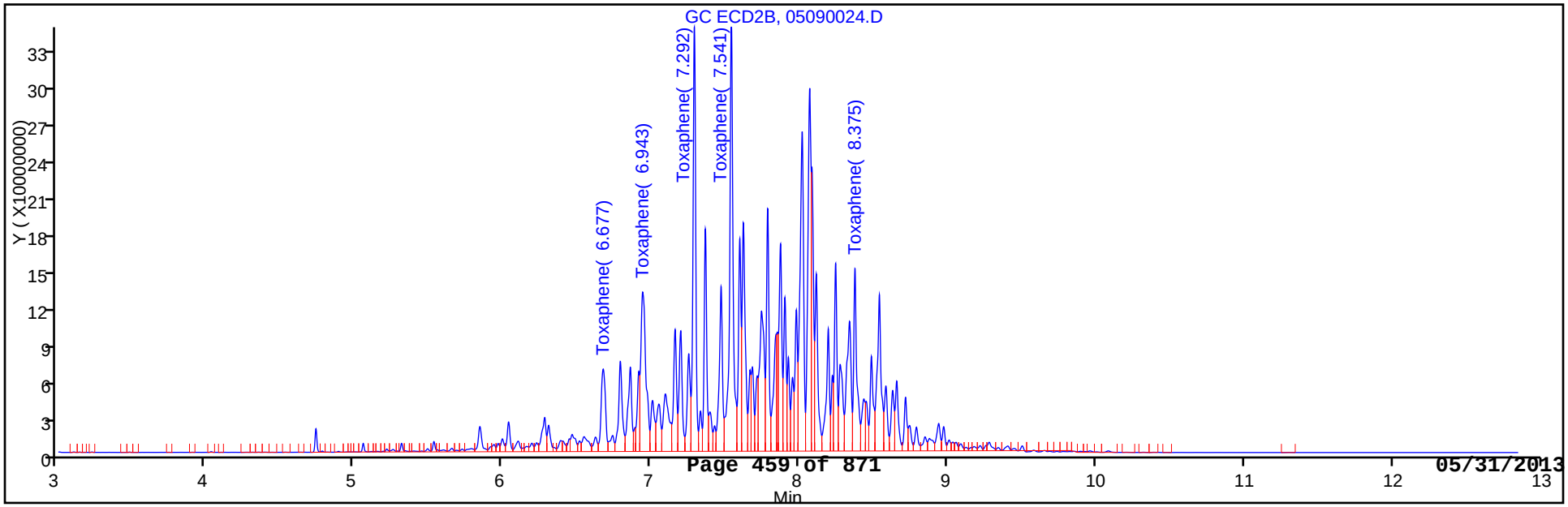
Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090024.D

Injection Date:	09-May-2013 23:51:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	24
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



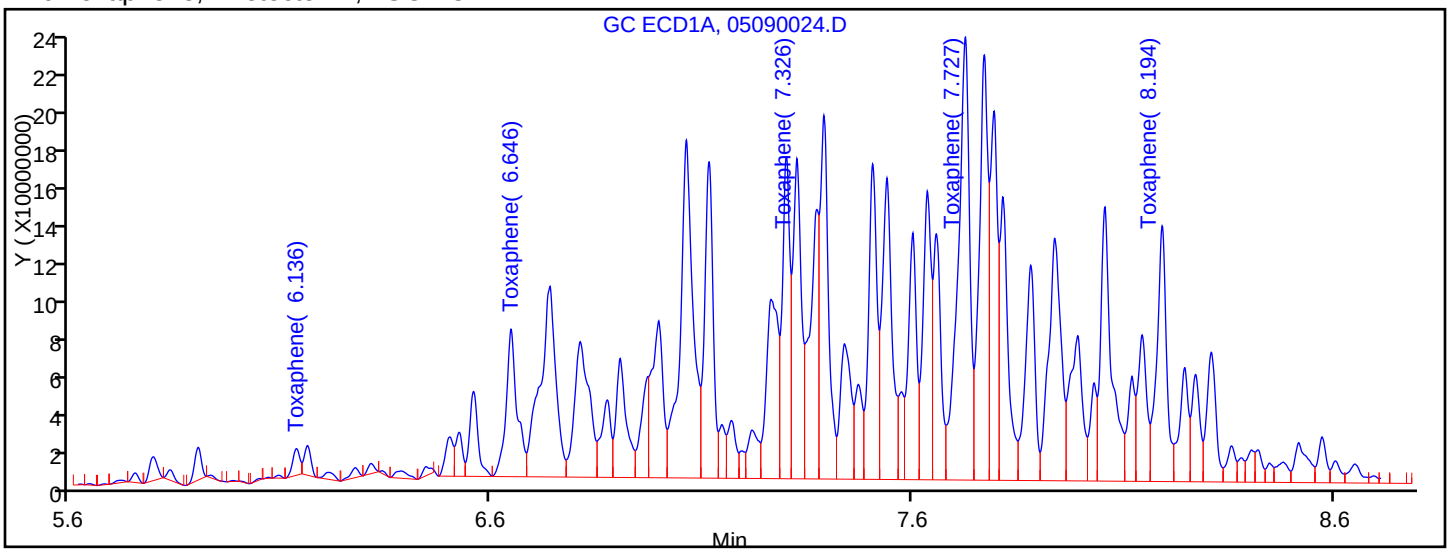
Report Date: 10-May-2013 10:18:42 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090024.D

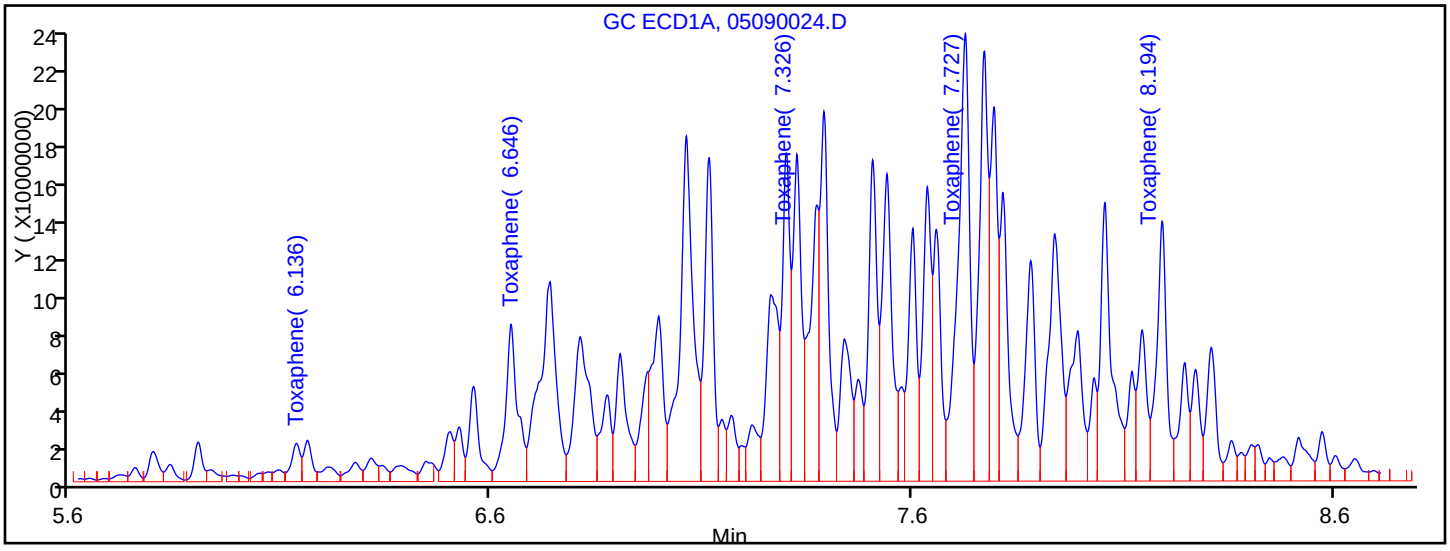
Injection Date:	09-May-2013 23:51:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	24
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.136	Response = 16251570	M
RT = 6.646	Response = 138968315	M
RT = 7.326	Response = 227862156	M
RT = 7.727	Response = 441422064	M
RT = 8.194	Response = 212567608	M



Manual Integration Results

RT = 6.136	Response = 29549397	M
RT = 6.646	Response = 164752532	M
RT = 7.326	Response = 235542094	M
RT = 7.727	Response = 454850884	M
RT = 8.194	Response = 220951328	M

Reviewer: wellsd, 10-May-2013 08:31:08

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090025.D		
Lims ID:	STD5 TOX	Client ID:	
Inject. Date:	10-May-2013 00:07:46	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD5 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	173579	Lims Sample ID:	25
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\8081 P2.m		
Last Update:	10-May-2013 10:18:43	Calib Date:	10-May-2013 02:03:21
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090032.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 10-May-2013 08:25:48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.138	6.137	0.001	14777760	4744.3		100.0	M
1	-65	6.647	6.647	0.000	82539541	4857.3	515.9- 555.9	558.5	M
1	-65	7.327	7.326	0.001	124290790	4988.6	731.1- 771.1	841.1	M
1	-65	7.727	7.725	0.002	229339033	4874.0	1471.6-1511.6	1551.9	M
1	-65	8.195	8.194	0.001	109091611	4804.1	701.3- 741.3	738.2	M
			Average of Peak Amounts =			4853.7			
2	6	6.677	6.676	0.001	70893295	4799.1		100.0	M
2	7	6.943	6.941	0.002	157544958	4887.4	185.9- 245.9	222.2	M
2	8	7.292	7.292	0.000	225191411	4881.9	281.4- 341.4	317.6	M
2	9	7.541	7.542	-0.001	290842249	4834.6	371.6- 431.6	410.3	M
2	10	8.374	8.375	-0.001	111593884	4773.6	123.9- 183.9	157.4	M
			Average of Peak Amounts =			4835.3			
						RPD = 0.38			

QC Flag Legend

Review Flags
M - Manually Integrated

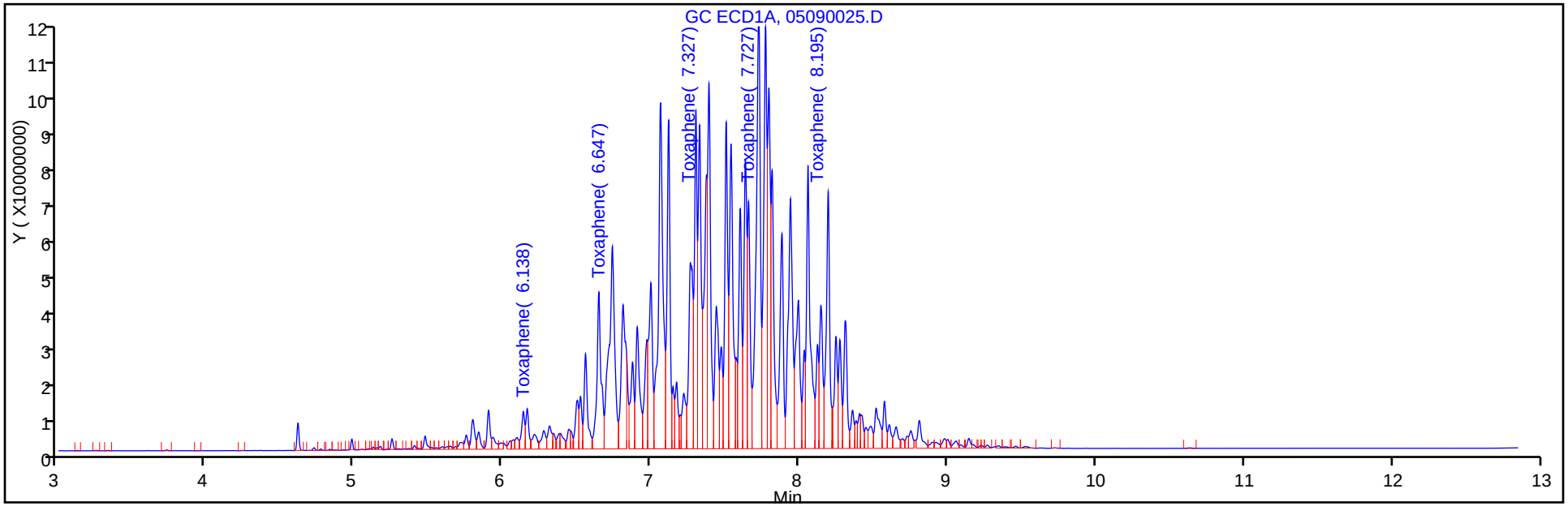
Report Date: 10-May-2013 10:18:44 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

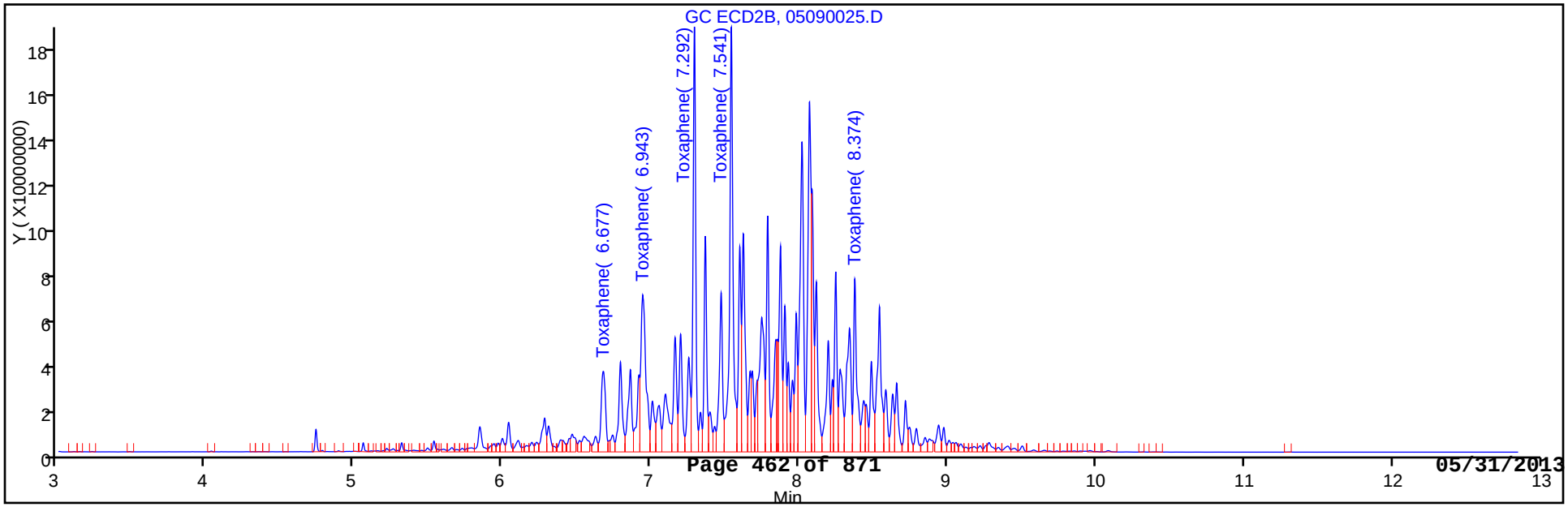
Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090025.D

Injection Date:	10-May-2013 00:07:46	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	25
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



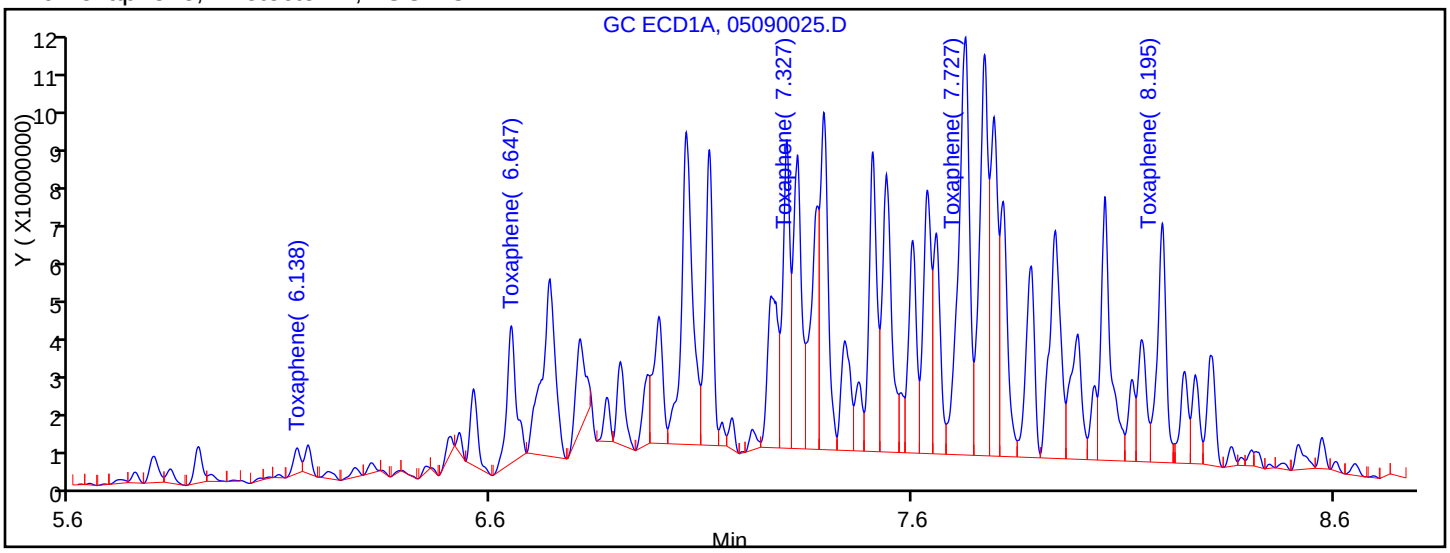
Report Date: 10-May-2013 10:18:44 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090025.D

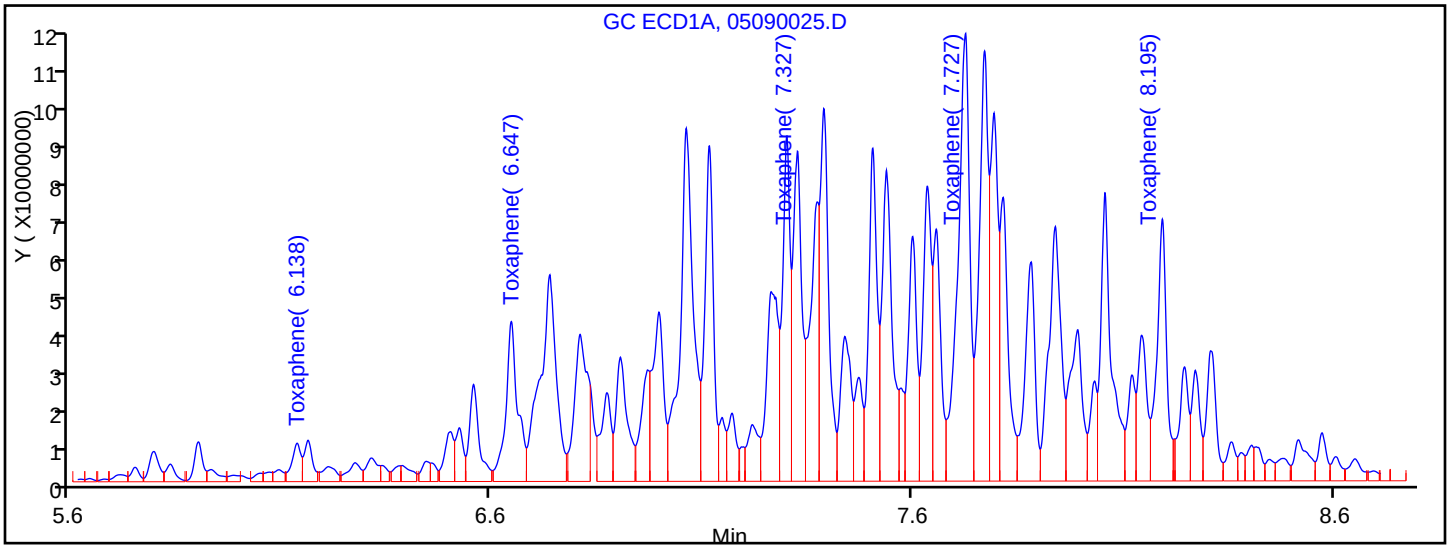
Injection Date:	10-May-2013 00:07:46	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	25
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.138	Response = 7537983	M
RT = 6.647	Response = 55296538	M
RT = 7.327	Response = 104942710	M
RT = 7.727	Response = 197502025	M
RT = 8.195	Response = 89457905	M



Manual Integration Results

RT = 6.138	Response = 14777760	M
RT = 6.647	Response = 82539541	M
RT = 7.327	Response = 124290790	M
RT = 7.727	Response = 229339033	M
RT = 8.195	Response = 109091611	M

Reviewer: wellsd, 10-May-2013 08:31:24

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090026.D		
Lims ID:	STD4 TOX	Client ID:	
Inject. Date:	10-May-2013 00:24:15	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD4 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	173579	Lims Sample ID:	26
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\8081 P2.m		
Last Update:	10-May-2013 10:18:45	Calib Date:	10-May-2013 02:03:21
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090032.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 10-May-2013 08:23:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.137	6.137	0.000	6333548	2045.5		100.0	M
1	-65	6.647	6.647	0.000	33943497	1996.4	515.9- 555.9	535.9	M
1	-65	7.326	7.326	0.000	47570653	1896.8	731.1- 771.1	751.1	M
1	-65	7.725	7.725	0.000	94473152	2005.5	1471.6-1511.6	1491.6	M
1	-65	8.194	8.194	0.000	45683106	2031.4	701.3- 741.3	721.3	M
			Average of Peak Amounts =			1995.1			
2	6	6.676	6.676	0.000	29284697	1981.2		100.0	M
2	7	6.941	6.941	0.000	63218981	1970.0	185.9- 245.9	215.9	M
2	8	7.292	7.292	0.000	91205635	1984.0	281.4- 341.4	311.4	M
2	9	7.542	7.542	0.000	117611457	1975.9	371.6- 431.6	401.6	M
2	10	8.375	8.375	0.000	45058920	1963.1	123.9- 183.9	153.9	M
			Average of Peak Amounts =			1974.8			
						RPD = 1.02			

QC Flag Legend

Review Flags
M - Manually Integrated

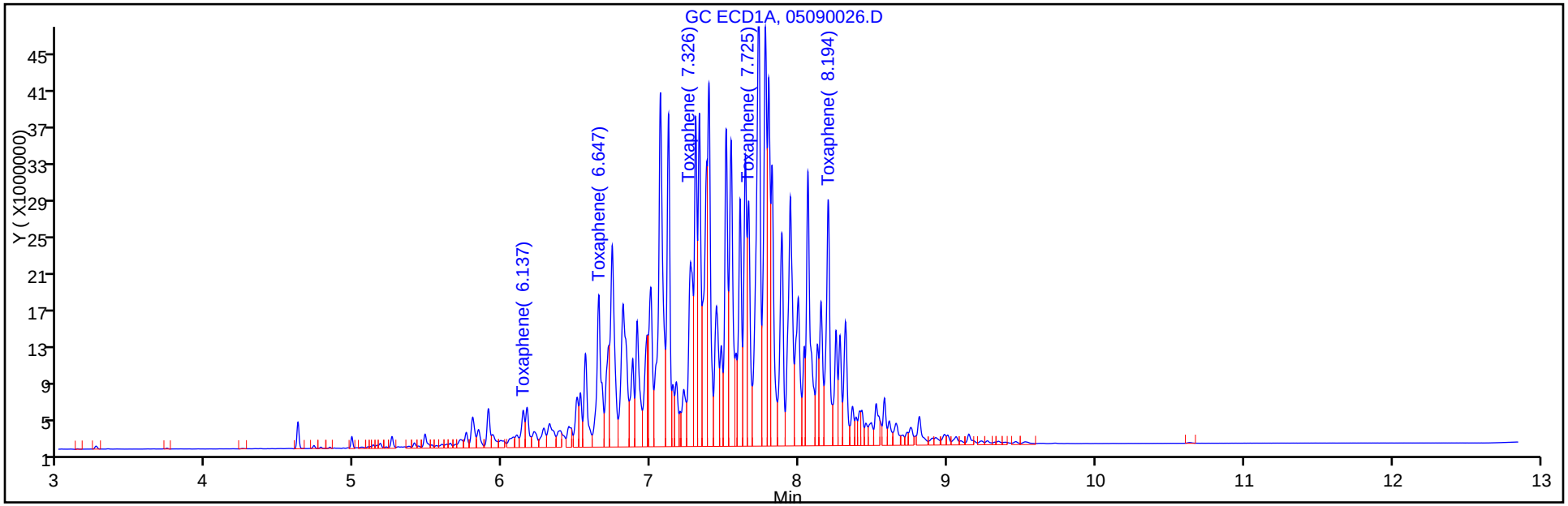
Report Date: 10-May-2013 10:18:45 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

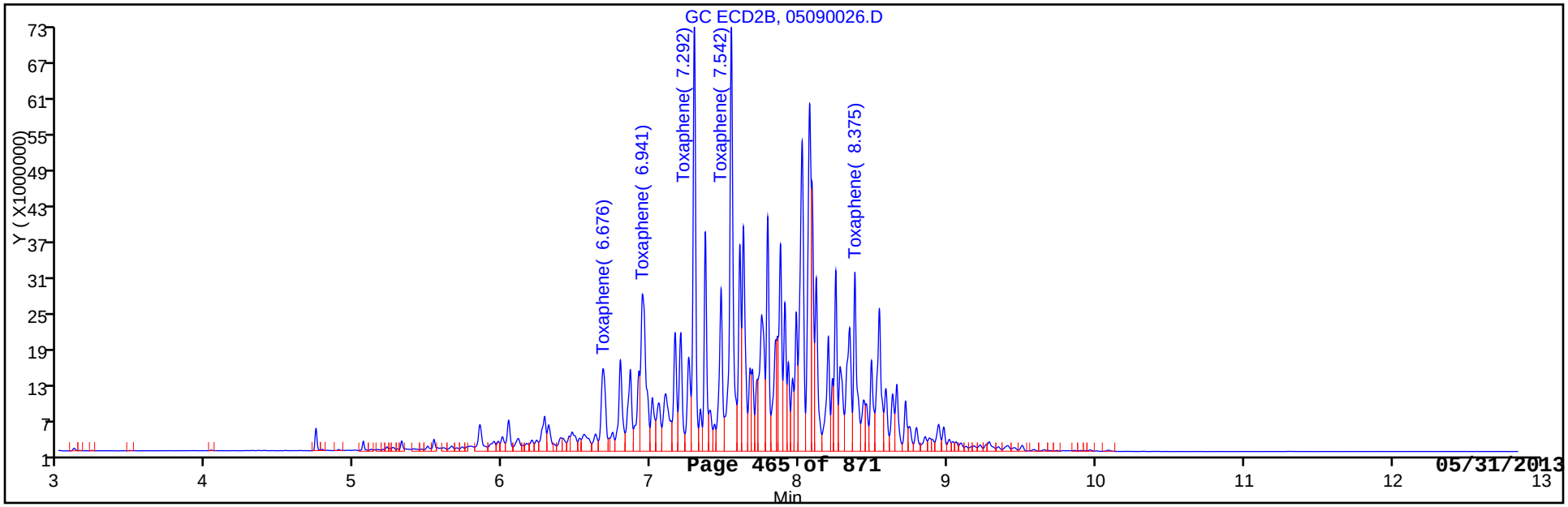
Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090026.D

Injection Date:	10-May-2013 00:24:15	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



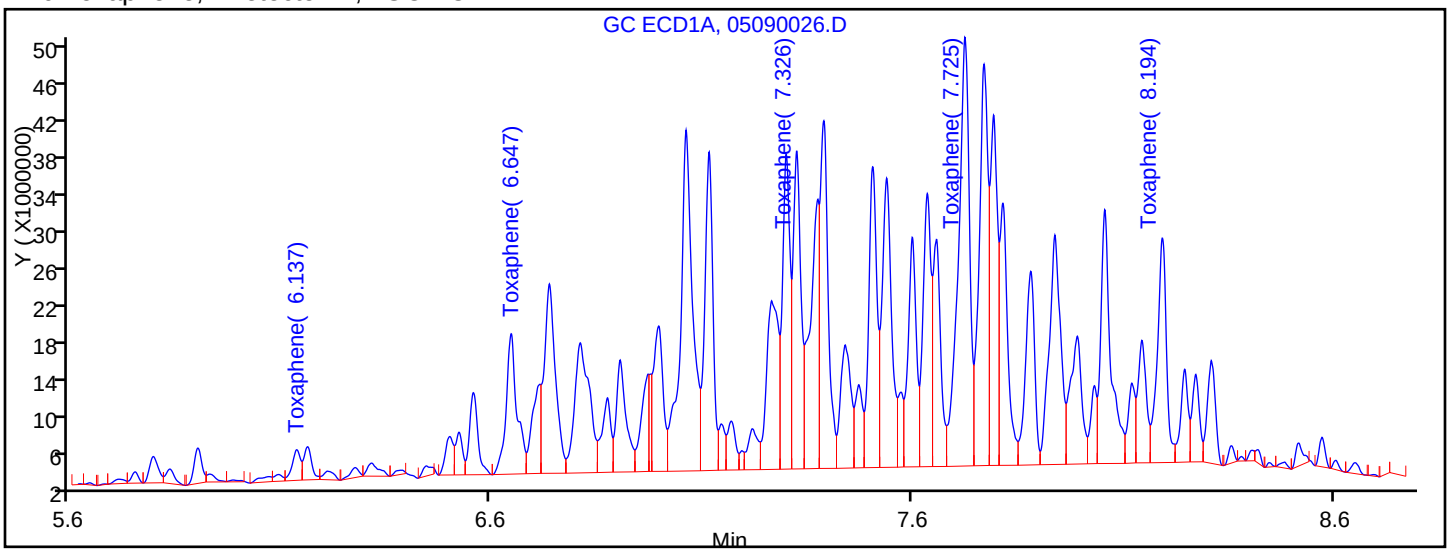
Report Date: 10-May-2013 10:18:45 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090026.D

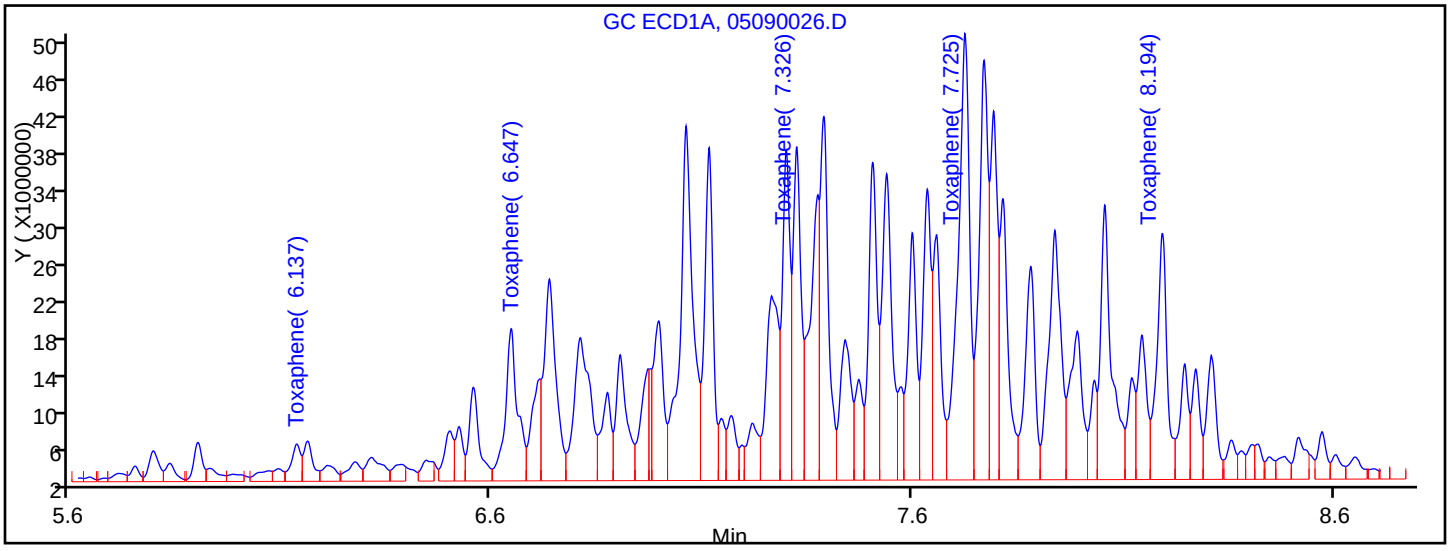
Injection Date:	10-May-2013 00:24:15	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.137	Response = 4577991	M
RT = 6.647	Response = 27405503	M
RT = 7.326	Response = 44242471	M
RT = 7.725	Response = 86244207	M
RT = 8.194	Response = 37002141	M



Manual Integration Results

RT = 6.137	Response = 6333548	M
RT = 6.647	Response = 33943497	M
RT = 7.326	Response = 47570653	M
RT = 7.725	Response = 94473152	M
RT = 8.194	Response = 45683106	M

Reviewer: wellsd, 10-May-2013 08:31:36

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090027.D		
Lims ID:	STD3 TOX	Client ID:	
Inject. Date:	10-May-2013 00:40:42	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD3 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	173579	Lims Sample ID:	27
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\8081 P2.m		
Last Update:	10-May-2013 10:18:47	Calib Date:	10-May-2013 02:03:21
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090032.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 10-May-2013 08:26:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.137	6.137	0.000	3266991	1065.5		100.0	M
1	-65	6.647	6.647	0.000	17783982	1045.1	515.9- 555.9	544.4	M
1	-65	7.326	7.326	0.000	28121941	1113.1	731.1- 771.1	860.8	M
1	-65	7.726	7.725	0.001	48803240	1034.1	1471.6-1511.6	1493.8	M
1	-65	8.196	8.194	0.002	22613995	1022.7	701.3- 741.3	692.2	M
			Average of Peak Amounts =			1056.1			
2	6	6.679	6.676	0.003	15827045	1069.8		100.0	M
2	7	6.945	6.941	0.004	33119833	1039.1	185.9- 245.9	209.3	M
2	8	7.292	7.292	0.000	47731865	1043.7	281.4- 341.4	301.6	M
2	9	7.541	7.542	-0.001	61520384	1050.2	371.6- 431.6	388.7	M
2	10	8.374	8.375	-0.001	23347931	1046.0	123.9- 183.9	147.5	M
			Average of Peak Amounts =			1049.8			
						RPD = 0.60			

QC Flag Legend

Review Flags
M - Manually Integrated

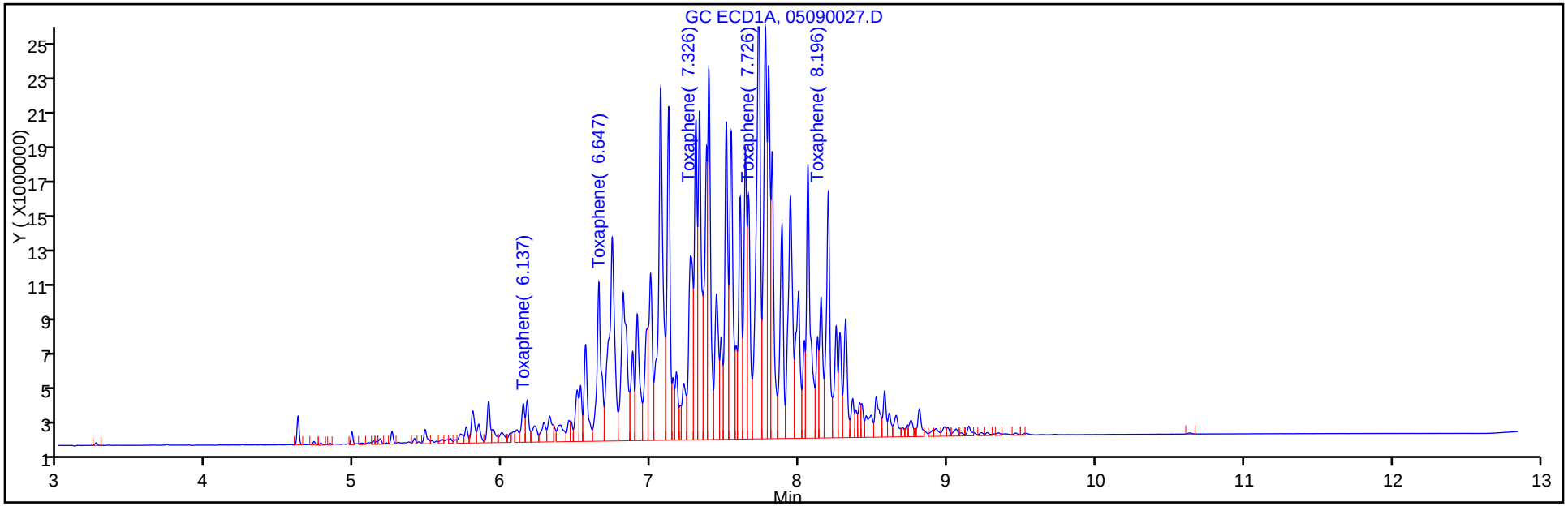
Report Date: 10-May-2013 10:18:47 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

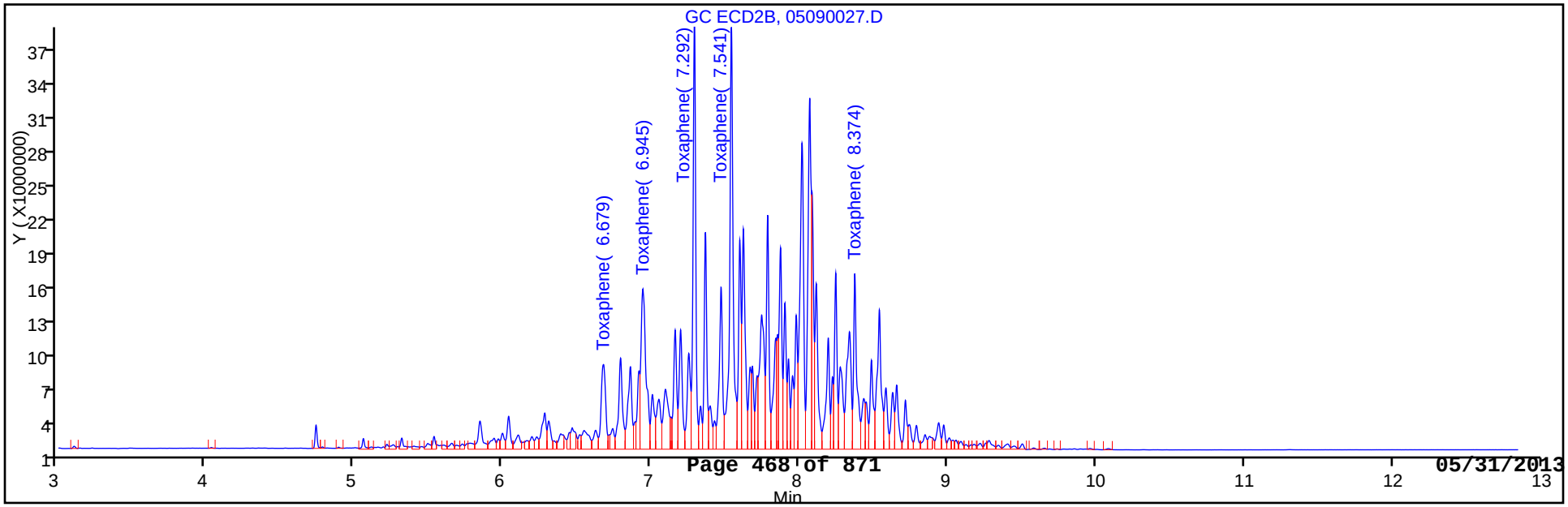
Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090027.D

Injection Date:	10-May-2013 00:40:42	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



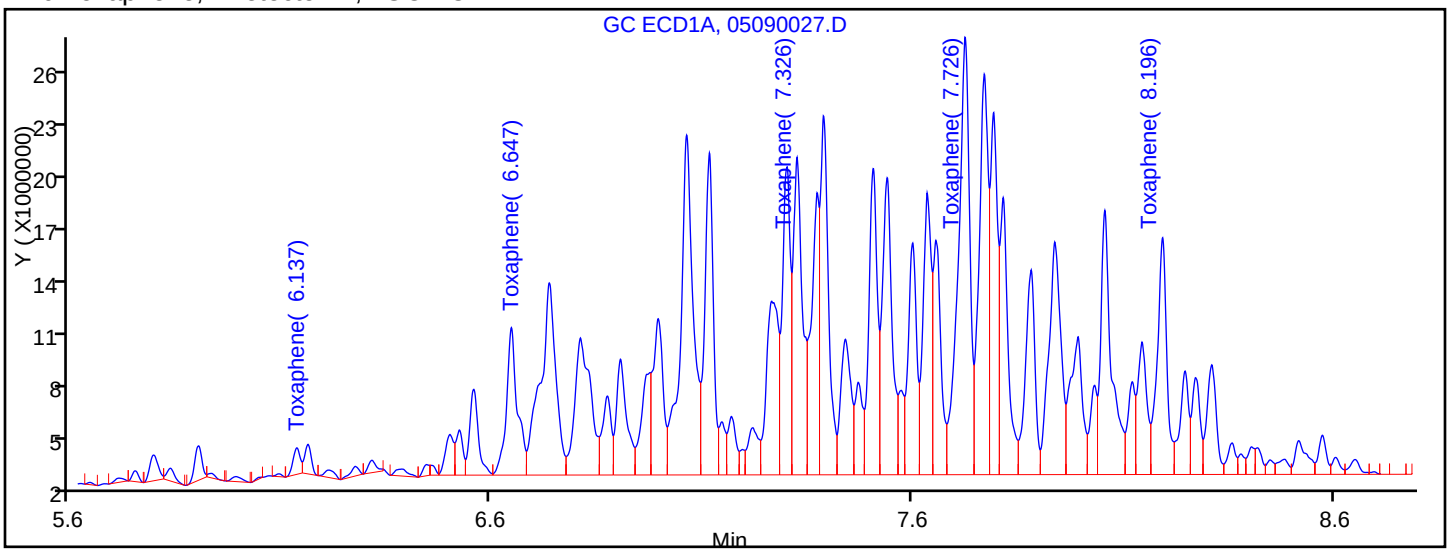
Report Date: 10-May-2013 10:18:47 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090027.D

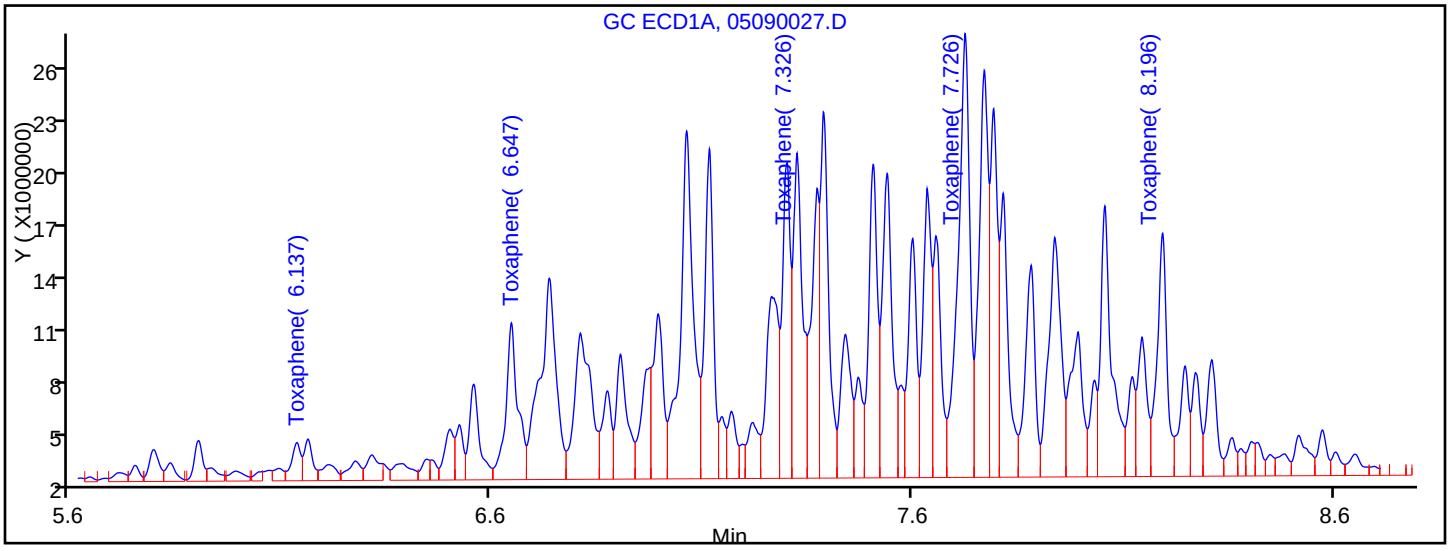
Injection Date:	10-May-2013 00:40:42	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.137	Response = 1757500	M
RT = 6.647	Response = 15078800	M
RT = 7.326	Response = 27027838	M
RT = 7.726	Response = 47009552	M
RT = 8.196	Response = 21229640	M



Manual Integration Results

RT = 6.137	Response = 3266991	M
RT = 6.647	Response = 17783982	M
RT = 7.326	Response = 28121941	M
RT = 7.726	Response = 48803240	M
RT = 8.196	Response = 22613995	M

Reviewer: wellsd, 10-May-2013 08:31:49

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090028.D		
Lims ID:	STD2 TOX	Client ID:	
Inject. Date:	10-May-2013 00:57:12	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	173579	Lims Sample ID:	28
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\8081 P2.m		
Last Update:	10-May-2013 10:18:48	Calib Date:	10-May-2013 02:03:21
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090032.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 10-May-2013 08:26:59

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.138	6.137	0.001	1572437	523.9		100.0	M
1	-65	6.647	6.647	0.000	8846109	518.9	515.9- 555.9	562.6	M
1	-65	7.327	7.326	0.001	13113566	508.2	731.1- 771.1	834.0	M
1	-65	7.726	7.725	0.001	24737506	522.3	1471.6-1511.6	1573.2	M
1	-65	8.196	8.194	0.002	11331158	529.3	701.3- 741.3	720.6	M
			Average of Peak Amounts =			520.5			
2	6	6.676	6.676	0.000	8304133	560.4		100.0	M
2	7	6.943	6.941	0.002	17015221	541.0	185.9- 245.9	204.9	M
2	8	7.293	7.292	0.001	23946732	529.3	281.4- 341.4	288.4	M
2	9	7.542	7.542	0.000	31120000	548.6	371.6- 431.6	374.8	M
2	10	8.375	8.375	0.000	12012925	567.2	123.9- 183.9	144.7	M
			Average of Peak Amounts =			549.3			
						RPD = 5.38			

QC Flag Legend

Review Flags
M - Manually Integrated

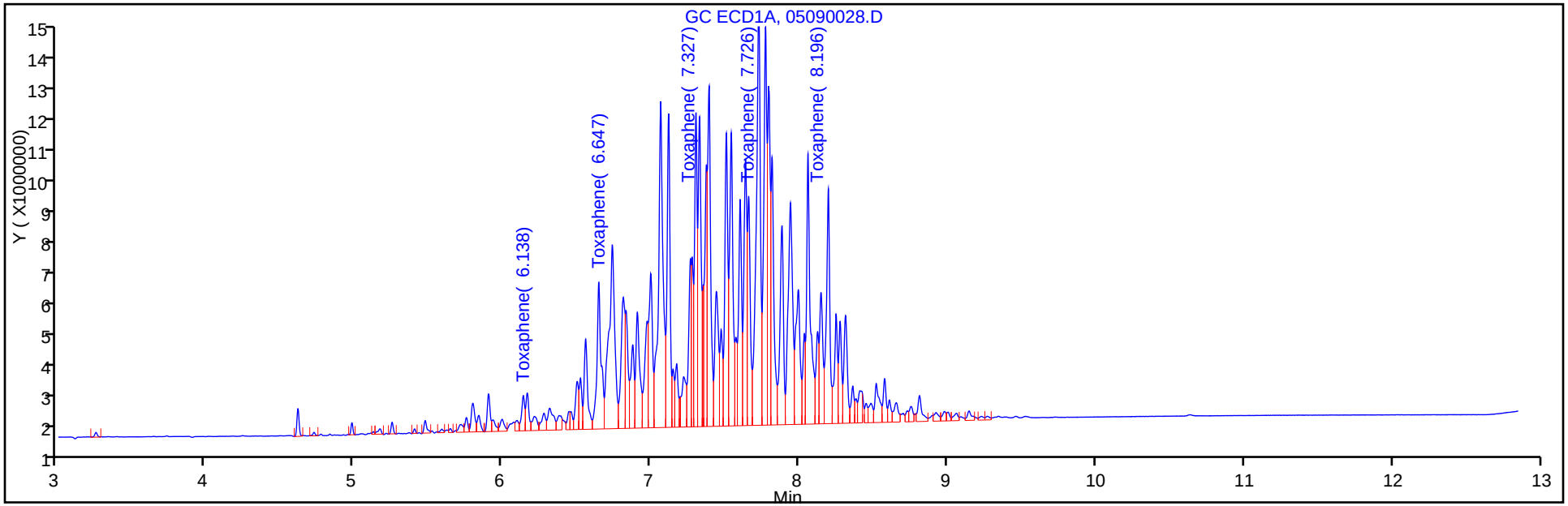
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TestAmerica Denver

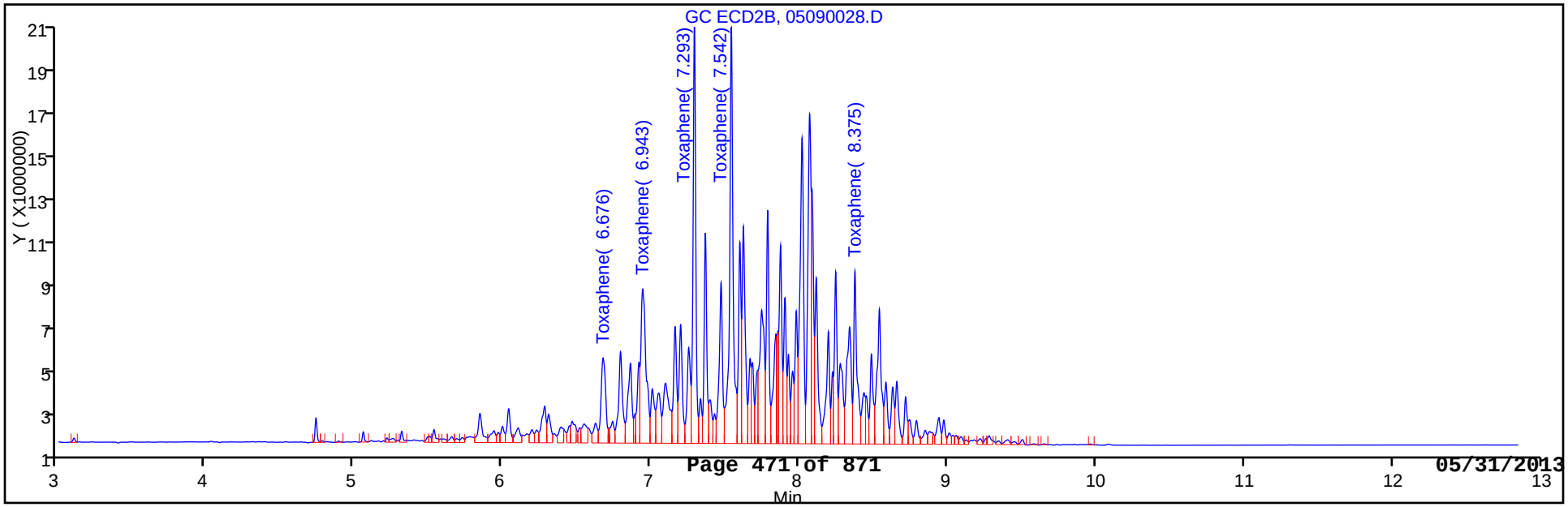
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Injection Date:	10-May-2013 00:57:12	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



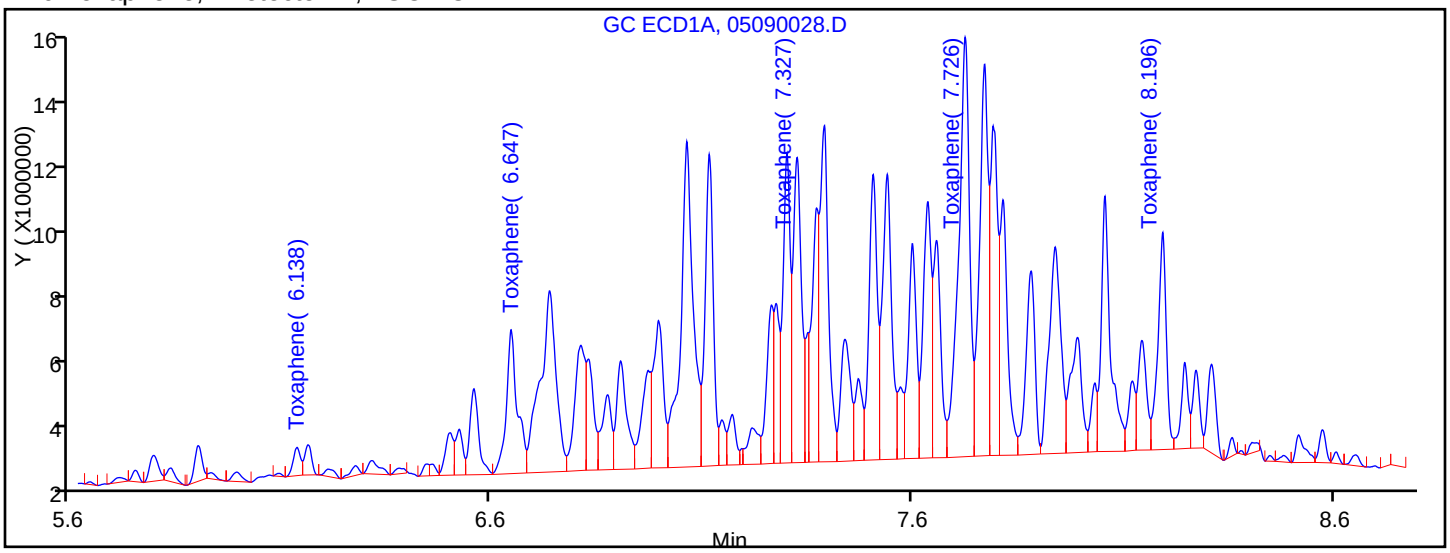
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TestAmerica Denver

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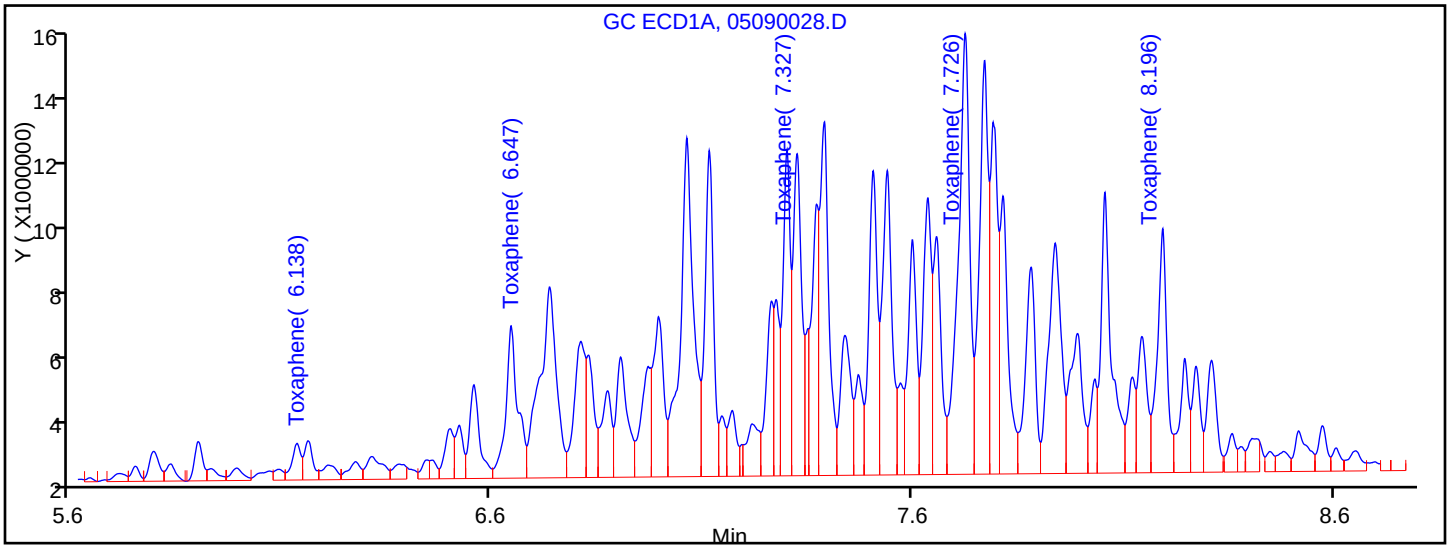
Injection Date:	10-May-2013 00:57:12	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.138	Response = 995009	M
RT = 6.647	Response = 7647499	M
RT = 7.327	Response = 12169847	M
RT = 7.726	Response = 22314756	M
RT = 8.196	Response = 8782041	M



Manual Integration Results

RT = 6.138	Response = 1572437	M
RT = 6.647	Response = 8846109	M
RT = 7.327	Response = 13113566	M
RT = 7.726	Response = 24737506	M
RT = 8.196	Response = 11331158	M

Reviewer: wellsd, 10-May-2013 08:32:06

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090029.D		
Lims ID:	STD1 TOX	Client ID:	
Inject. Date:	10-May-2013 01:13:48	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD1 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	173579	Lims Sample ID:	29
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\8081 P2.m		
Last Update:	10-May-2013 10:18:50	Calib Date:	10-May-2013 02:03:21
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090032.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 10-May-2013 08:27:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									
1	-65	6.137	6.137	0.000	539437	193.7		100.0	
1	-65	6.648	6.647	0.001	3354367	195.6	515.9- 555.9	621.8	
1	-65	7.327	7.326	0.001	5351248	195.4	731.1- 771.1	992.0	
1	-65	7.727	7.725	0.002	9367331	195.4	1471.6-1511.6	1736.5	
1	-65	8.196	8.194	0.002	3674659	194.5	701.3- 741.3	681.2	
			Average of Peak Amounts =			194.9			
2	6	6.678	6.676	0.002	2811810	188.4		100.0	
2	7	6.944	6.941	0.003	5748519	192.5	185.9- 245.9	204.4	
2	8	7.292	7.292	0.000	8447772	194.1	281.4- 341.4	300.4	
2	9	7.542	7.542	0.000	9449723	191.0	371.6- 431.6	336.1	
2	10	8.376	8.375	0.001	3043274	188.4	123.9- 183.9	108.2	
			Average of Peak Amounts =			190.9			
						RPD = 2.10			

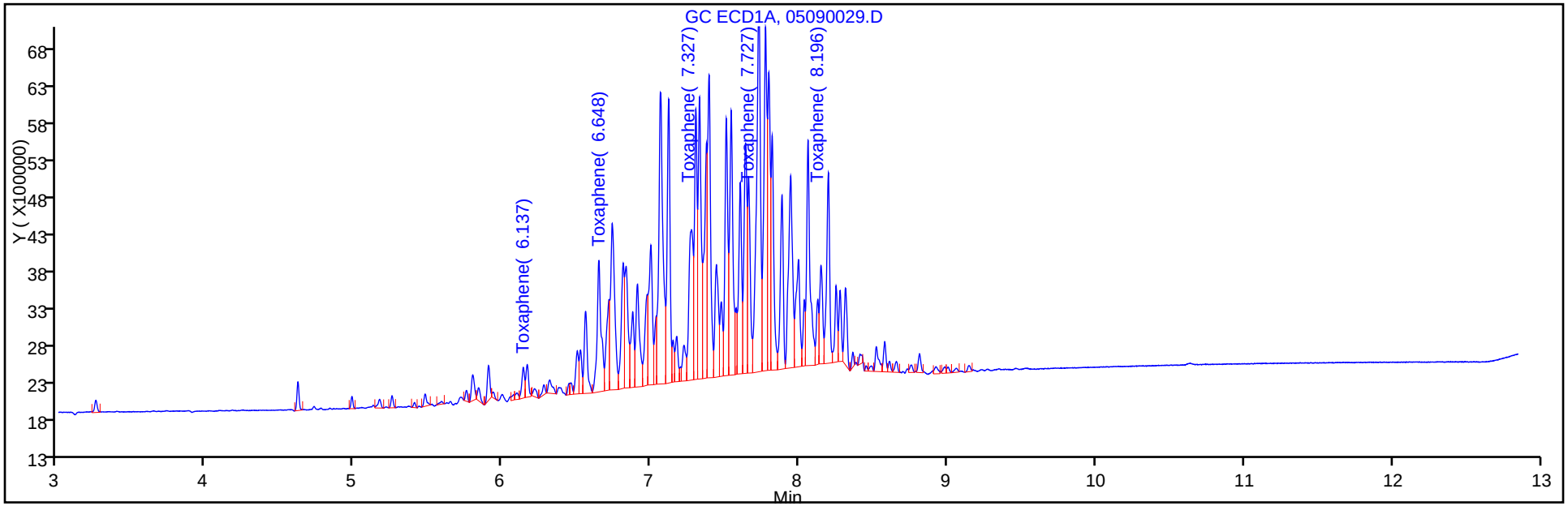
Report Date: 10-May-2013 10:18:50 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

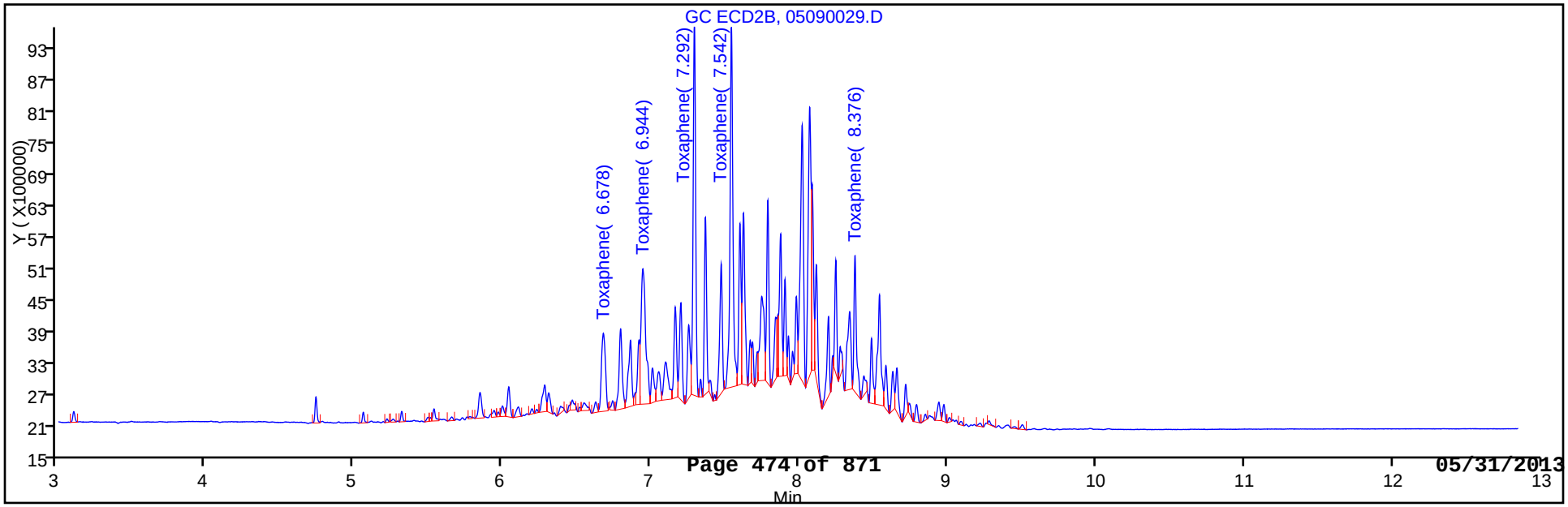
Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090029.D

Injection Date:	10-May-2013 01:13:48	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	29
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 173579

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/09/2013 23:51 Calibration End Date: 05/10/2013 01:13 Calibration ID: 13995

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-173579/29	05090029.D
Level 2	STD2 280-173579/28	05090028.D
Level 3	STD3 280-173579/27	05090027.D
Level 4	STD4 280-173579/26	05090026.D
Level 5	STD5 280-173579/25	05090025.D
Level 6	STD6 280-173579/24	05090024.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Toxaphene Peak 1	6.678	6.676	6.679	6.676	6.677	6.677					6.656 - 6.696	6.677
Toxaphene Peak 2	6.944	6.943	6.945	6.941	6.943	6.943					6.921 - 6.961	6.943
Toxaphene Peak 3	7.292	7.293	7.292	7.292	7.292	7.292					7.272 - 7.312	7.292
Toxaphene Peak 4	7.542	7.542	7.541	7.542	7.541	7.541					7.522 - 7.562	7.542
Toxaphene Peak 5	8.376	8.375	8.374	8.375	8.374	8.375					8.355 - 8.395	8.375

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 173579

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/09/2013 23:51 Calibration End Date: 05/10/2013 01:13 Calibration ID: 13995

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-173579/29	05090029.D
Level 2	STD2 280-173579/28	05090028.D
Level 3	STD3 280-173579/27	05090027.D
Level 4	STD4 280-173579/26	05090026.D
Level 5	STD5 280-173579/25	05090025.D
Level 6	STD6 280-173579/24	05090024.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	14059 14179	16608 13544	15827	14642	Lin2	30058.5458	14765.8383							0.9910		0.9900
Toxaphene Peak 2	28743 31509	34030 30789	33120	31609	Lin2	-476887.22	32332.8198							0.9960		0.9900
Toxaphene Peak 3	42239 45038	47893 44282	47732	45603	Lin2	-525386.40	46235.1826							0.9980		0.9900
Toxaphene Peak 4	47249 58168	62240 56933	61520	58806	Lin2	-2121702.0	60597.8254							0.9950		0.9900
Toxaphene Peak 5	15216 22319	24026 22144	23348	22529	Lin2	-1416075.4	23674.0325							0.9920		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 173579

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/09/2013 23:51 Calibration End Date: 05/10/2013 01:13 Calibration ID: 13995

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-173579/29	05090029.D
Level 2	STD2 280-173579/28	05090028.D
Level 3	STD3 280-173579/27	05090027.D
Level 4	STD4 280-173579/26	05090026.D
Level 5	STD5 280-173579/25	05090025.D
Level 6	STD6 280-173579/24	05090024.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Lin2	2811810 135441763	8304133	15827045	29284697	70893295	200 10000	500	1000	2000	5000
Toxaphene Peak 2	Lin2	5748519 307889592	17015221	33119833	63218981	157544958	200 10000	500	1000	2000	5000
Toxaphene Peak 3	Lin2	8447772 442824065	23946732	47731865	91205635	225191411	200 10000	500	1000	2000	5000
Toxaphene Peak 4	Lin2	9449723 569327976	31120000	61520384	117611457	290842249	200 10000	500	1000	2000	5000
Toxaphene Peak 5	Lin2	3043274 221443436	12012925	23347931	45058920	111593884	200 10000	500	1000	2000	5000

Curve Type Legend:
Lin2 = Linear 1/conc^2

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090024.D		
Lims ID:	STD6 TOX	Client ID:	
Inject. Date:	09-May-2013 23:51:09	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD6 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	18
Lims Batch ID:	173579	Lims Sample ID:	24
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\8081 P2.m		
Last Update:	10-May-2013 10:18:42	Calib Date:	10-May-2013 02:03:21
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090032.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 10-May-2013 08:26:00

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.136	6.137	-0.001	29549397	9465.3		100.0	M
1	-65	6.646	6.647	-0.001	164752532	9697.3	515.9- 555.9	557.5	M
1	-65	7.326	7.326	0.000	235542094	9472.0	731.1- 771.1	797.1	M
1	-65	7.727	7.725	0.002	454850884	9670.5	1471.6-1511.6	1539.3	M
1	-65	8.194	8.194	0.000	220951328	9695.4	701.3- 741.3	747.7	M
			Average of Peak Amounts =			9600.1			
2	6	6.677	6.676	0.001	135441763	9170.6		100.0	M
2	7	6.943	6.941	0.002	307889592	9537.3	185.9- 245.9	227.3	M
2	8	7.292	7.292	0.000	442824065	9589.0	281.4- 341.4	326.9	M
2	9	7.541	7.542	-0.001	569327976	9430.2	371.6- 431.6	420.3	M
2	10	8.375	8.375	0.000	221443436	9413.7	123.9- 183.9	163.5	M
			Average of Peak Amounts =			9428.1			
						RPD = 1.81			

QC Flag Legend

Review Flags
M - Manually Integrated

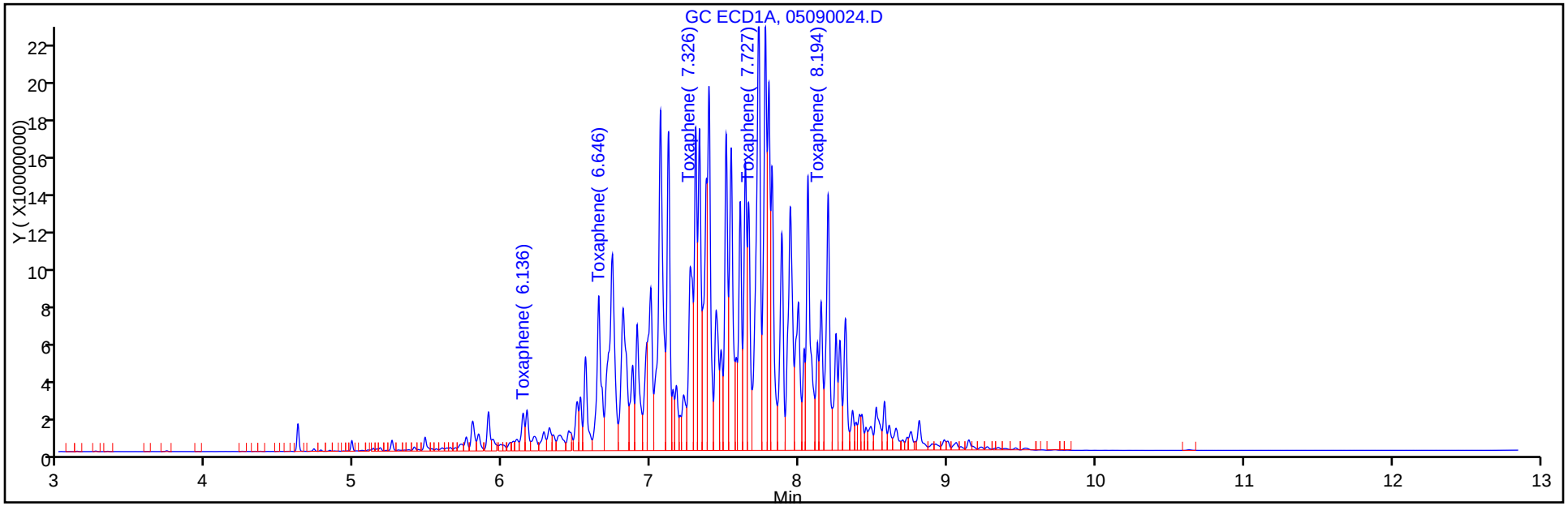
Report Date: 10-May-2013 10:18:42 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

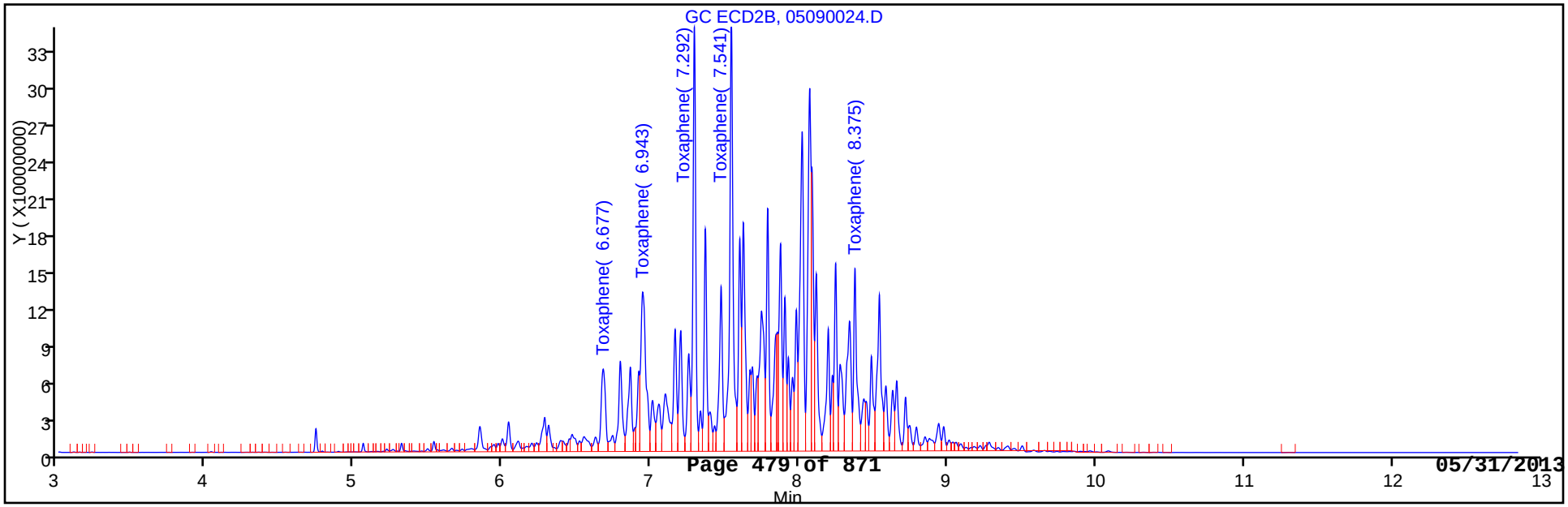
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Injection Date:	09-May-2013 23:51:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	24
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



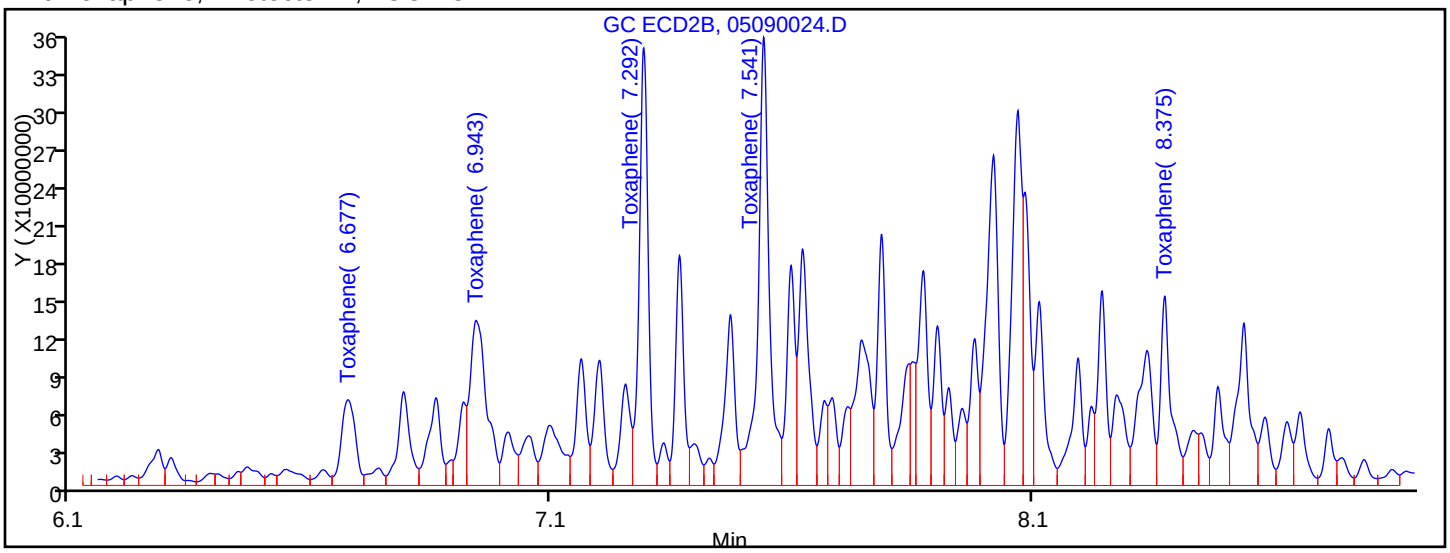
Report Date: 10-May-2013 10:18:42 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090024.D

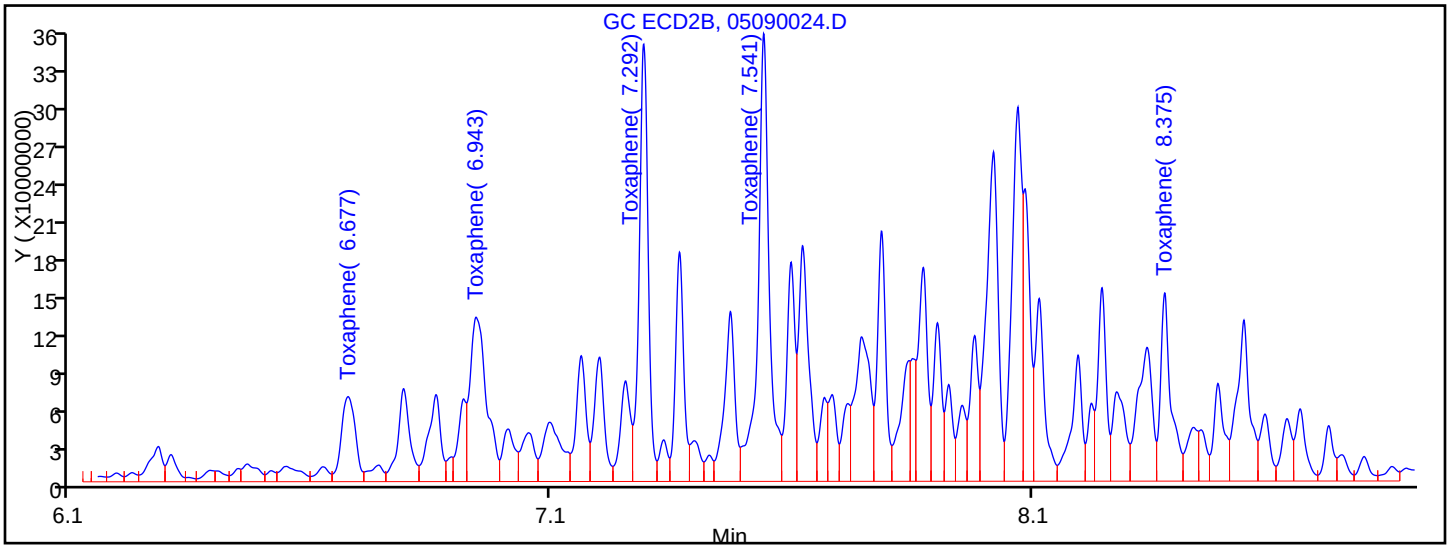
Injection Date:	09-May-2013 23:51:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	24
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.677	Response = 137849556	M
RT = 6.943	Response = 310696684	M
RT = 7.292	Response = 445186075	M
RT = 7.541	Response = 573648571	M
RT = 8.375	Response = 224961223	M



Manual Integration Results

RT = 6.677	Response = 135441763	M
RT = 6.943	Response = 307889592	M
RT = 7.292	Response = 442824065	M
RT = 7.541	Response = 569327976	M
RT = 8.375	Response = 221443436	M

Reviewer: wellsd, 10-May-2013 08:31:08

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090025.D		
Lims ID:	STD5 TOX	Client ID:	
Inject. Date:	10-May-2013 00:07:46	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD5 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	173579	Lims Sample ID:	25
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\8081 P2.m		
Last Update:	10-May-2013 10:18:43	Calib Date:	10-May-2013 02:03:21
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090032.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 10-May-2013 08:25:48

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.138	6.137	0.001	14777760	4744.3		100.0	M
1	-65	6.647	6.647	0.000	82539541	4857.3	515.9- 555.9	558.5	M
1	-65	7.327	7.326	0.001	124290790	4988.6	731.1- 771.1	841.1	M
1	-65	7.727	7.725	0.002	229339033	4874.0	1471.6-1511.6	1551.9	M
1	-65	8.195	8.194	0.001	109091611	4804.1	701.3- 741.3	738.2	M
			Average of Peak Amounts =			4853.7			
2	6	6.677	6.676	0.001	70893295	4799.1		100.0	M
2	7	6.943	6.941	0.002	157544958	4887.4	185.9- 245.9	222.2	M
2	8	7.292	7.292	0.000	225191411	4881.9	281.4- 341.4	317.6	M
2	9	7.541	7.542	-0.001	290842249	4834.6	371.6- 431.6	410.3	M
2	10	8.374	8.375	-0.001	111593884	4773.6	123.9- 183.9	157.4	M
			Average of Peak Amounts =			4835.3			
						RPD = 0.38			

QC Flag Legend

Review Flags
M - Manually Integrated

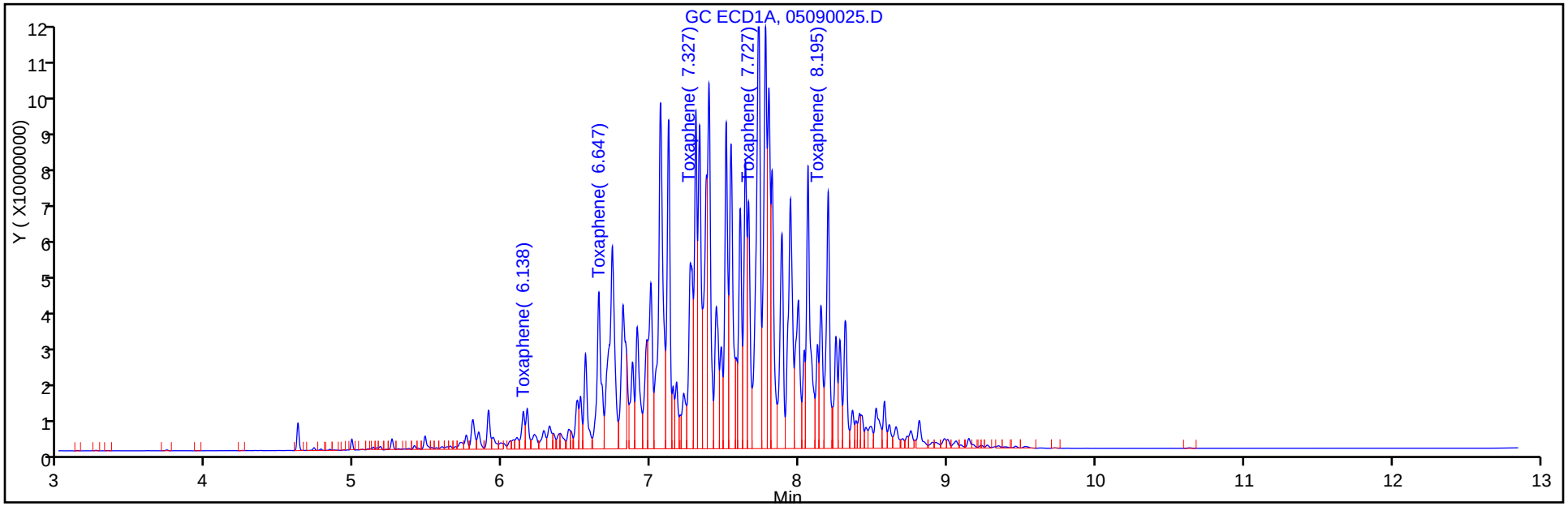
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TestAmerica Denver

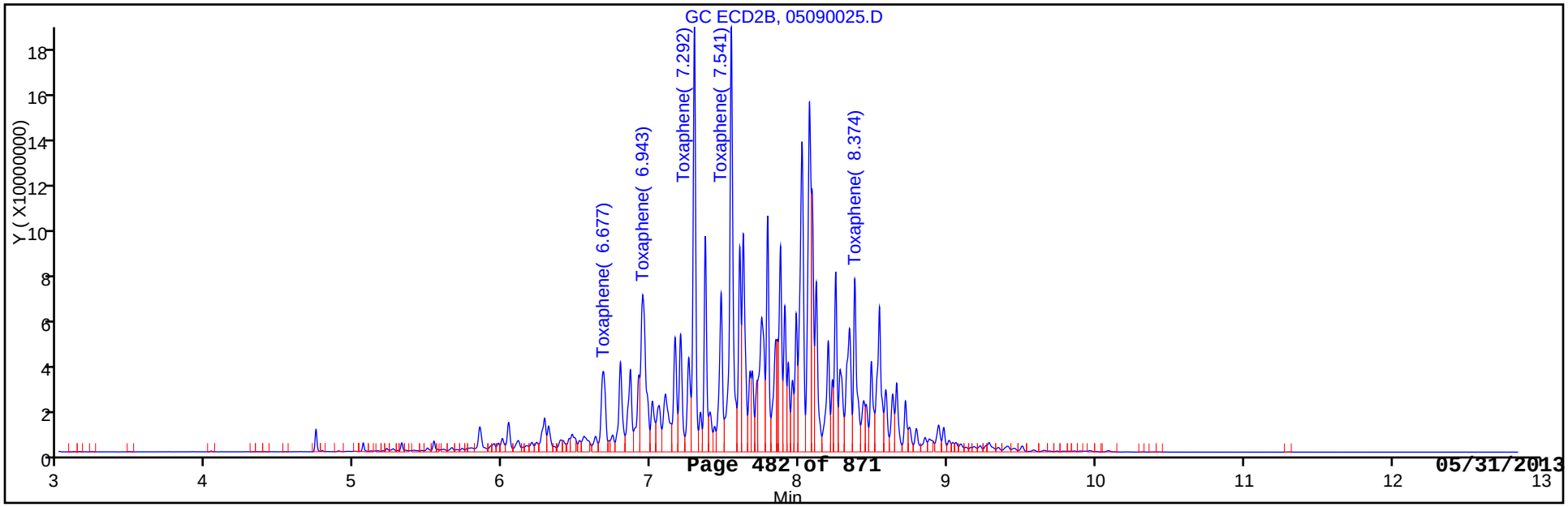
Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090025.D

Injection Date:	10-May-2013 00:07:46	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	25
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



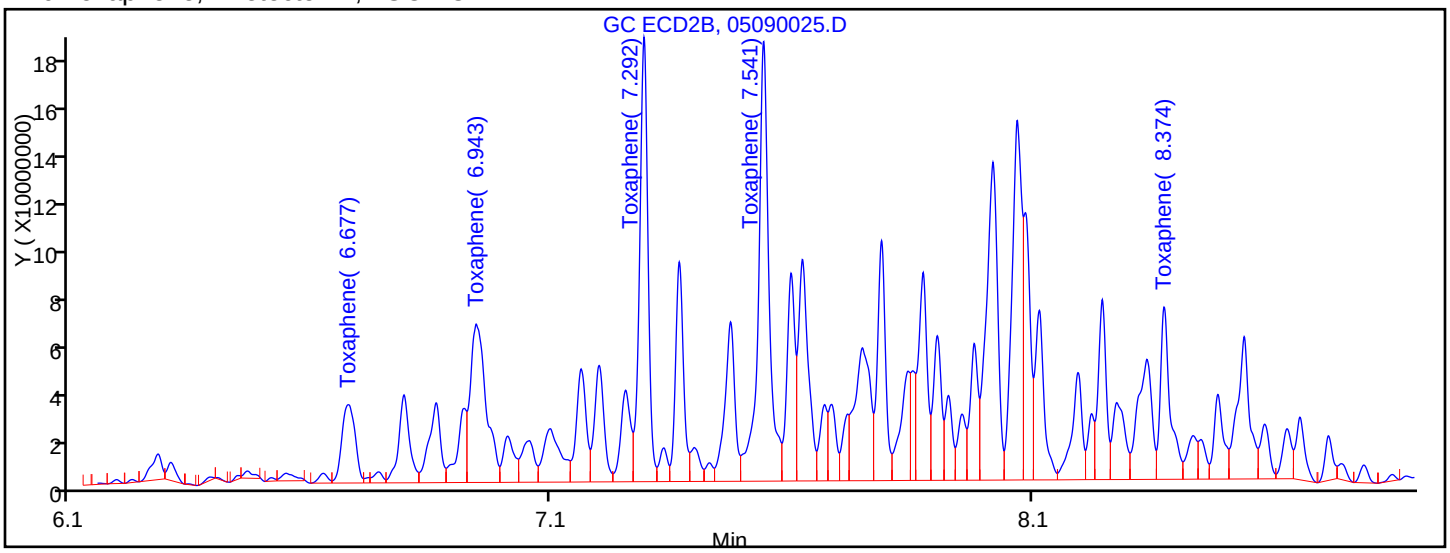
Report Date: 10-May-2013 10:18:44 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090025.D

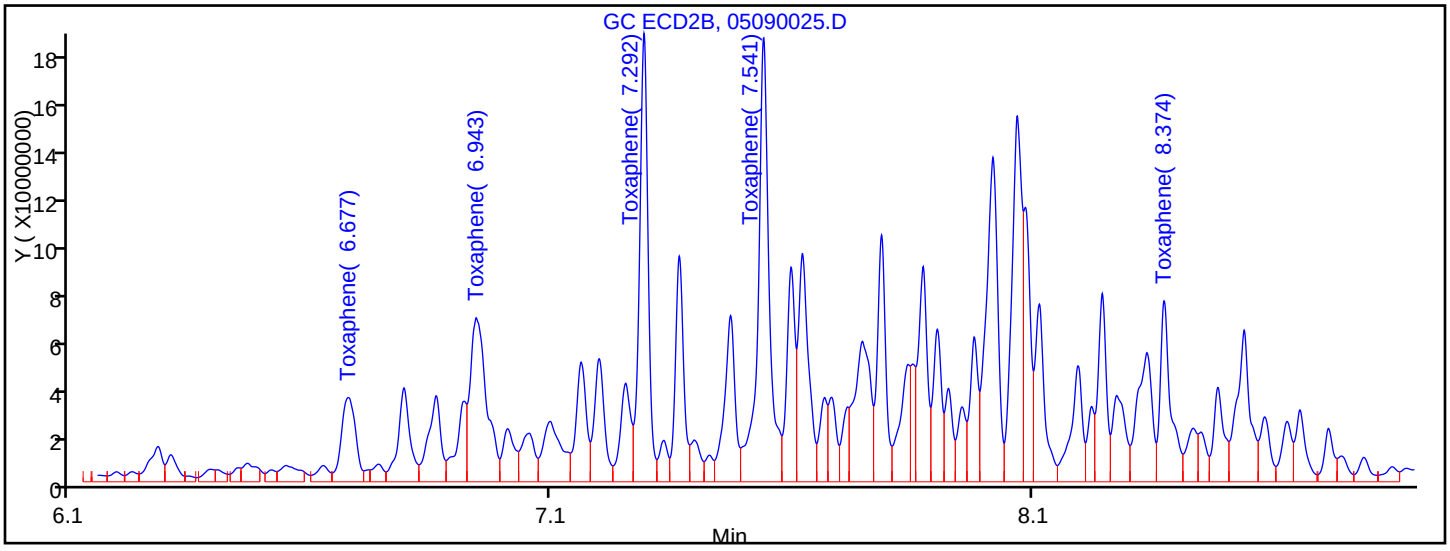
Injection Date:	10-May-2013 00:07:46	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	25
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.677	Response = 60324918	M
RT = 6.943	Response = 145656479	M
RT = 7.292	Response = 215732269	M
RT = 7.541	Response = 273314873	M
RT = 8.374	Response = 97888183	M



Manual Integration Results

RT = 6.677	Response = 70893295	M
RT = 6.943	Response = 157544958	M
RT = 7.292	Response = 225191411	M
RT = 7.541	Response = 290842249	M
RT = 8.374	Response = 111593884	M

Reviewer: wellsd, 10-May-2013 08:31:24

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090026.D		
Lims ID:	STD4 TOX	Client ID:	
Inject. Date:	10-May-2013 00:24:15	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD4 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	173579	Lims Sample ID:	26
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\8081 P2.m		
Last Update:	10-May-2013 10:18:45	Calib Date:	10-May-2013 02:03:21
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090032.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 10-May-2013 08:23:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.137	6.137	0.000	6333548	2045.5		100.0	M
1	-65	6.647	6.647	0.000	33943497	1996.4	515.9- 555.9	535.9	M
1	-65	7.326	7.326	0.000	47570653	1896.8	731.1- 771.1	751.1	M
1	-65	7.725	7.725	0.000	94473152	2005.5	1471.6-1511.6	1491.6	M
1	-65	8.194	8.194	0.000	45683106	2031.4	701.3- 741.3	721.3	M
			Average of Peak Amounts =			1995.1			
2	6	6.676	6.676	0.000	29284697	1981.2		100.0	M
2	7	6.941	6.941	0.000	63218981	1970.0	185.9- 245.9	215.9	M
2	8	7.292	7.292	0.000	91205635	1984.0	281.4- 341.4	311.4	M
2	9	7.542	7.542	0.000	117611457	1975.9	371.6- 431.6	401.6	M
2	10	8.375	8.375	0.000	45058920	1963.1	123.9- 183.9	153.9	M
			Average of Peak Amounts =			1974.8			
						RPD = 1.02			

QC Flag Legend

Review Flags
M - Manually Integrated

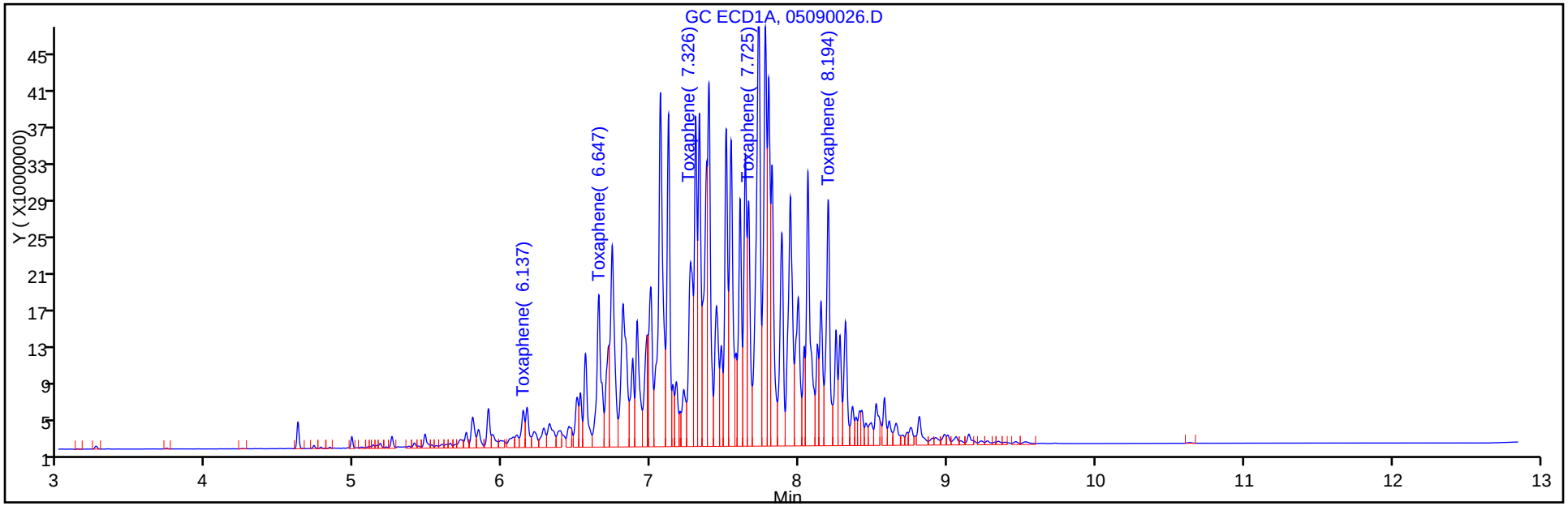
Report Date: 10-May-2013 10:18:46 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

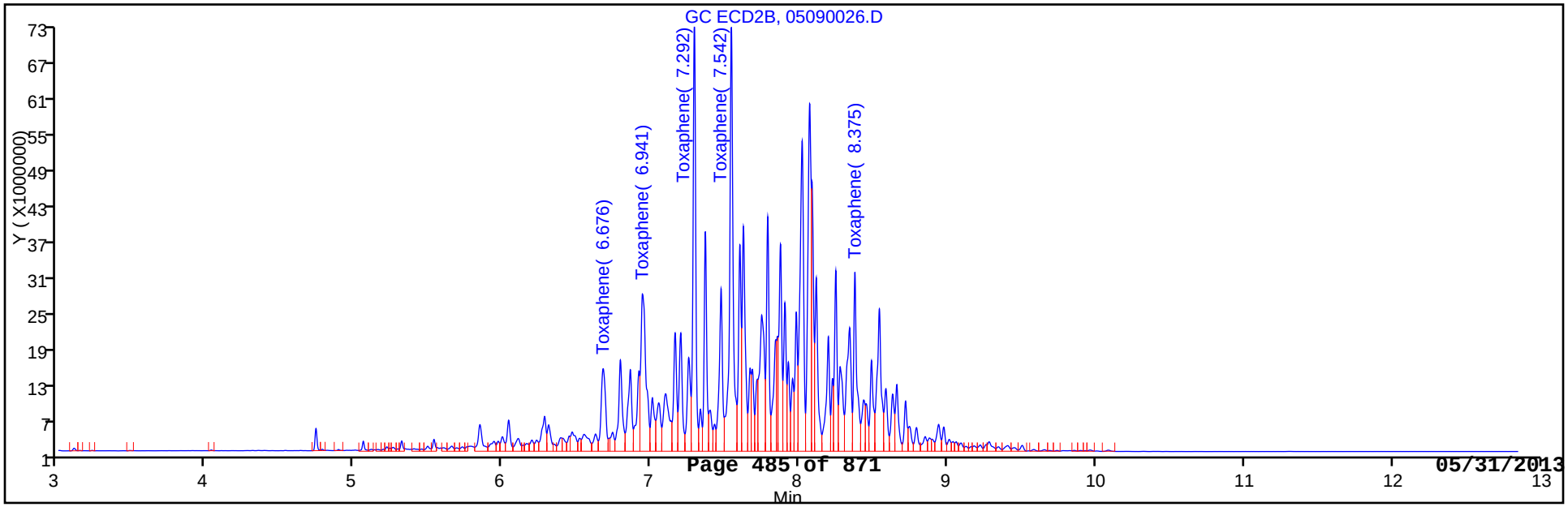
Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090026.D

Injection Date:	10-May-2013 00:24:15	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



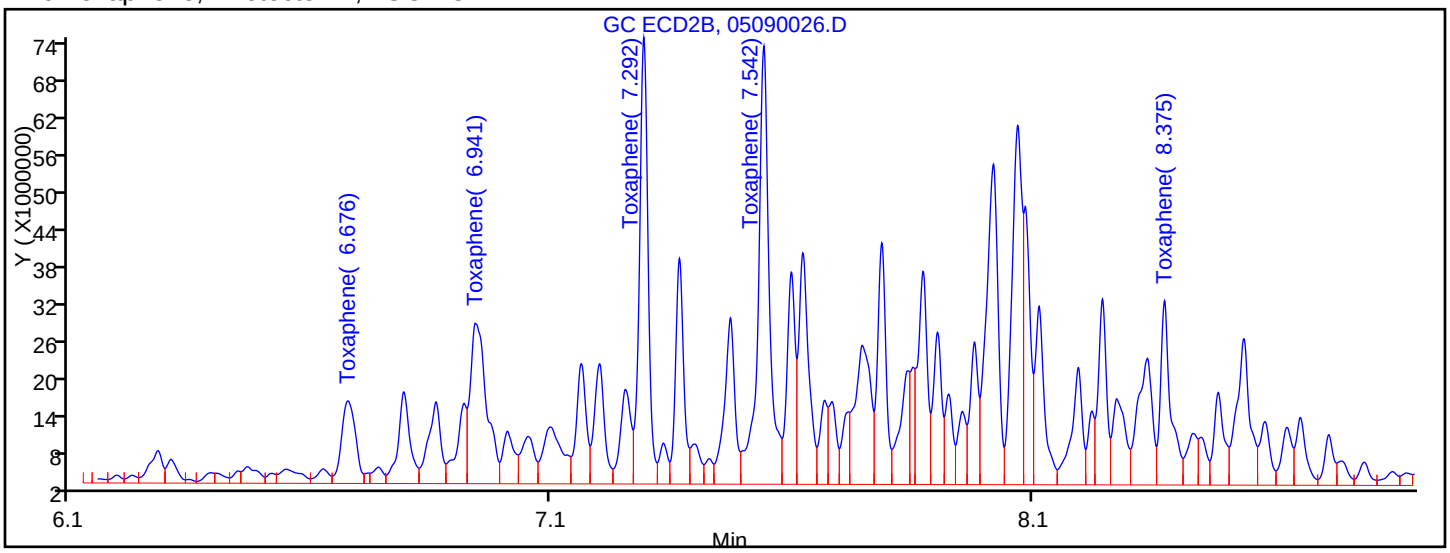
Report Date: 10-May-2013 10:18:46 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090026.D

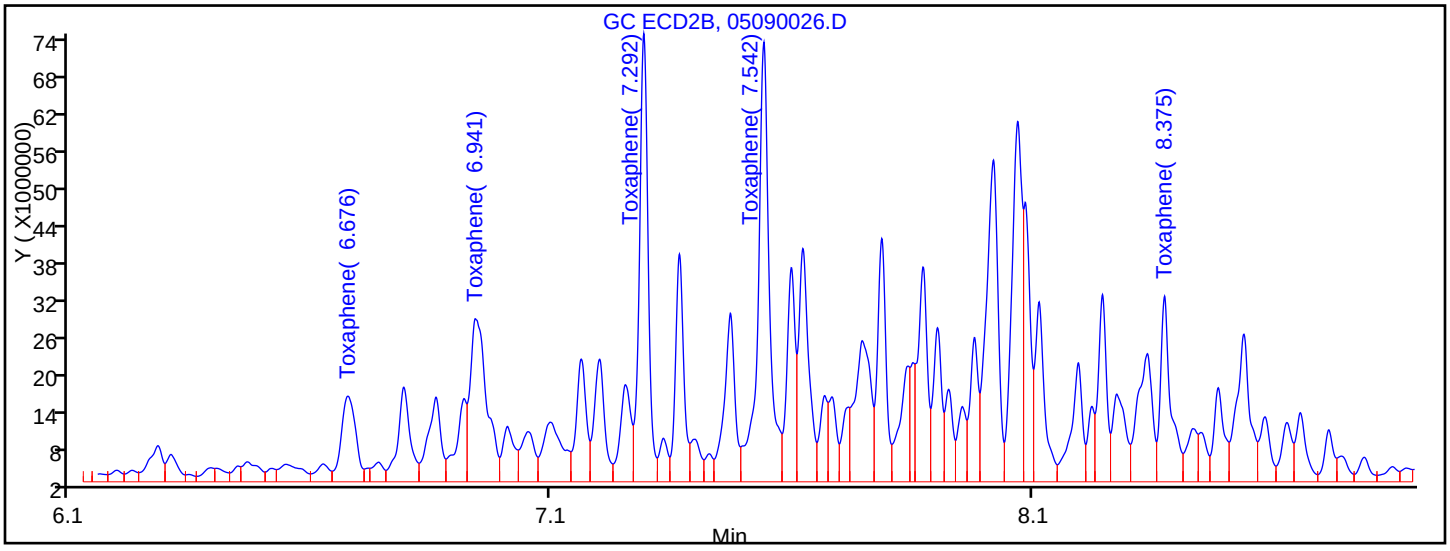
Injection Date:	10-May-2013 00:24:15	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.676	Response = 27128915	M
RT = 6.941	Response = 61203930	M
RT = 7.292	Response = 89861869	M
RT = 7.542	Response = 115487556	M
RT = 8.375	Response = 44110689	M



Manual Integration Results

RT = 6.676	Response = 29284697	M
RT = 6.941	Response = 63218981	M
RT = 7.292	Response = 91205635	M
RT = 7.542	Response = 117611457	M
RT = 8.375	Response = 45058920	M

Reviewer: wellsd, 10-May-2013 08:31:36

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090027.D		
Lims ID:	STD3 TOX	Client ID:	
Inject. Date:	10-May-2013 00:40:42	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD3 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	173579	Lims Sample ID:	27
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\8081 P2.m		
Last Update:	10-May-2013 10:18:47	Calib Date:	10-May-2013 02:03:21
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090032.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 10-May-2013 08:26:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.137	6.137	0.000	3266991	1065.5		100.0	M
1	-65	6.647	6.647	0.000	17783982	1045.1	515.9- 555.9	544.4	M
1	-65	7.326	7.326	0.000	28121941	1113.1	731.1- 771.1	860.8	M
1	-65	7.726	7.725	0.001	48803240	1034.1	1471.6-1511.6	1493.8	M
1	-65	8.196	8.194	0.002	22613995	1022.7	701.3- 741.3	692.2	M
			Average of Peak Amounts =			1056.1			
2	6	6.679	6.676	0.003	15827045	1069.8		100.0	M
2	7	6.945	6.941	0.004	33119833	1039.1	185.9- 245.9	209.3	M
2	8	7.292	7.292	0.000	47731865	1043.7	281.4- 341.4	301.6	M
2	9	7.541	7.542	-0.001	61520384	1050.2	371.6- 431.6	388.7	M
2	10	8.374	8.375	-0.001	23347931	1046.0	123.9- 183.9	147.5	M
			Average of Peak Amounts =			1049.8			
						RPD = 0.60			

QC Flag Legend

Review Flags
M - Manually Integrated

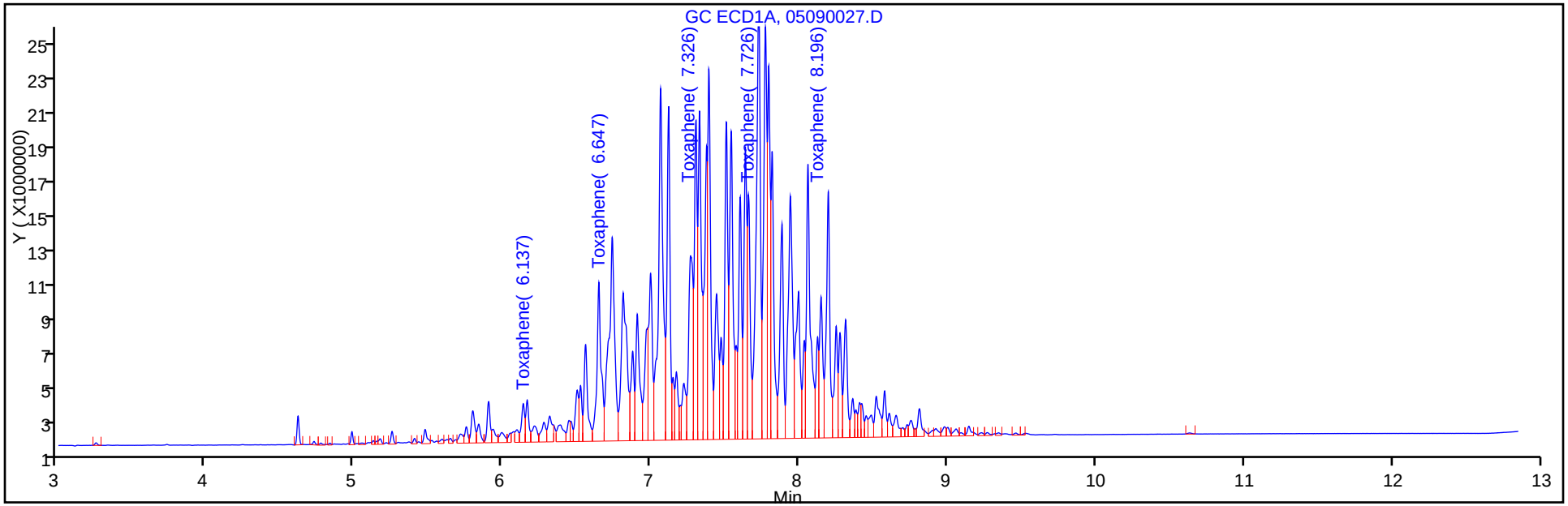
Report Date: 10-May-2013 10:18:47 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

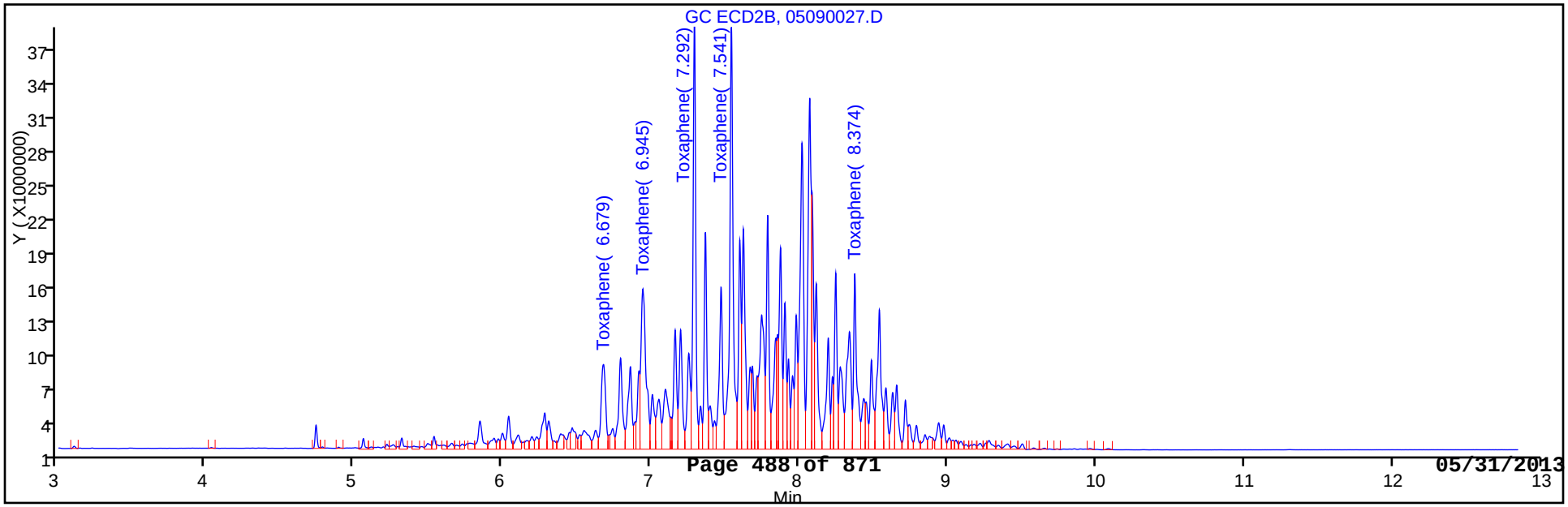
Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090027.D

Injection Date:	10-May-2013 00:40:42	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



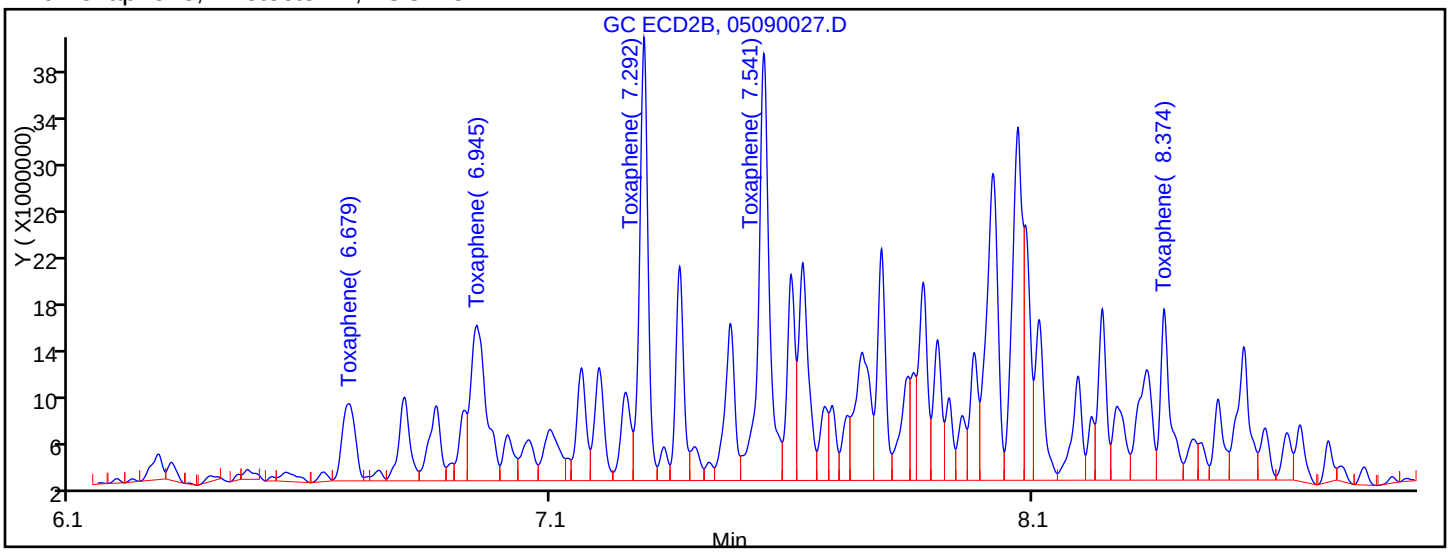
Report Date: 10-May-2013 10:18:47 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090027.D

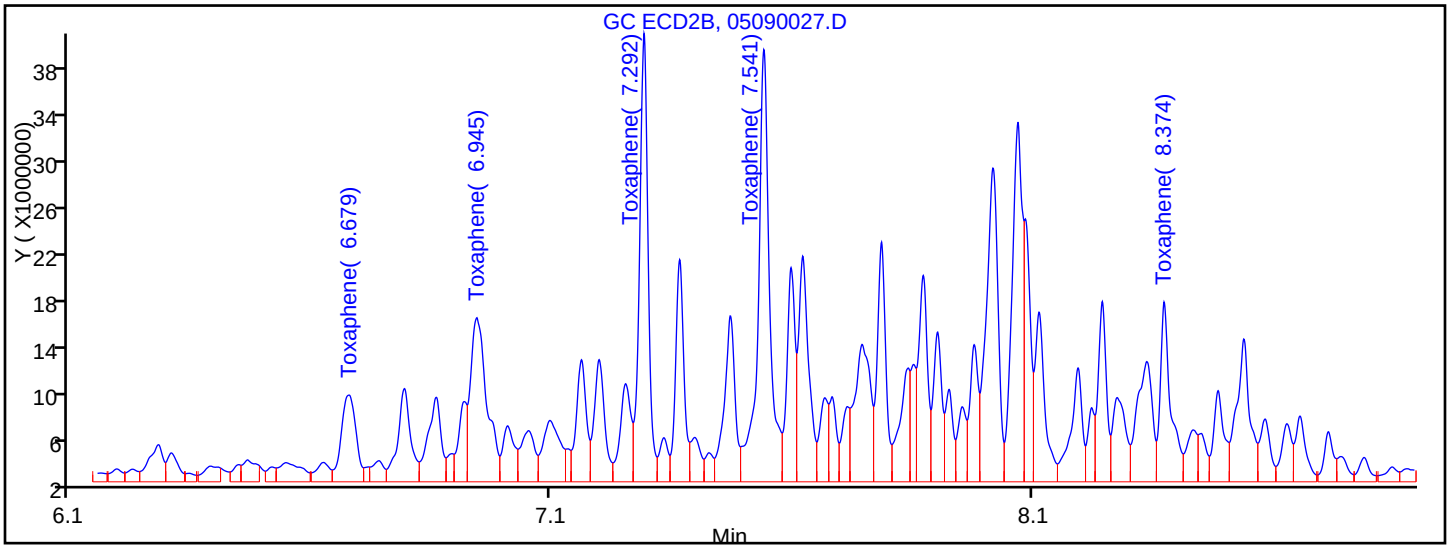
Injection Date:	10-May-2013 00:40:42	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.679	Response = 12293962	M
RT = 6.945	Response = 29412295	M
RT = 7.292	Response = 44946300	M
RT = 7.541	Response = 56648551	M
RT = 8.374	Response = 20103057	M



Manual Integration Results

RT = 6.679	Response = 15827045	M
RT = 6.945	Response = 33119833	M
RT = 7.292	Response = 47731865	M
RT = 7.541	Response = 61520384	M
RT = 8.374	Response = 23347931	M

Reviewer: wellsd, 10-May-2013 08:31:49

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090028.D		
Lims ID:	STD2 TOX	Client ID:	
Inject. Date:	10-May-2013 00:57:12	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	173579	Lims Sample ID:	28
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\8081 P2.m		
Last Update:	10-May-2013 10:18:48	Calib Date:	10-May-2013 02:03:21
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090032.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 10-May-2013 08:26:59

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.138	6.137	0.001	1572437	523.9		100.0	M
1	-65	6.647	6.647	0.000	8846109	518.9	515.9- 555.9	562.6	M
1	-65	7.327	7.326	0.001	13113566	508.2	731.1- 771.1	834.0	M
1	-65	7.726	7.725	0.001	24737506	522.3	1471.6-1511.6	1573.2	M
1	-65	8.196	8.194	0.002	11331158	529.3	701.3- 741.3	720.6	M
			Average of Peak Amounts =			520.5			
2	6	6.676	6.676	0.000	8304133	560.4		100.0	M
2	7	6.943	6.941	0.002	17015221	541.0	185.9- 245.9	204.9	M
2	8	7.293	7.292	0.001	23946732	529.3	281.4- 341.4	288.4	M
2	9	7.542	7.542	0.000	31120000	548.6	371.6- 431.6	374.8	M
2	10	8.375	8.375	0.000	12012925	567.2	123.9- 183.9	144.7	M
			Average of Peak Amounts =			549.3			
						RPD = 5.38			

QC Flag Legend

Review Flags
M - Manually Integrated

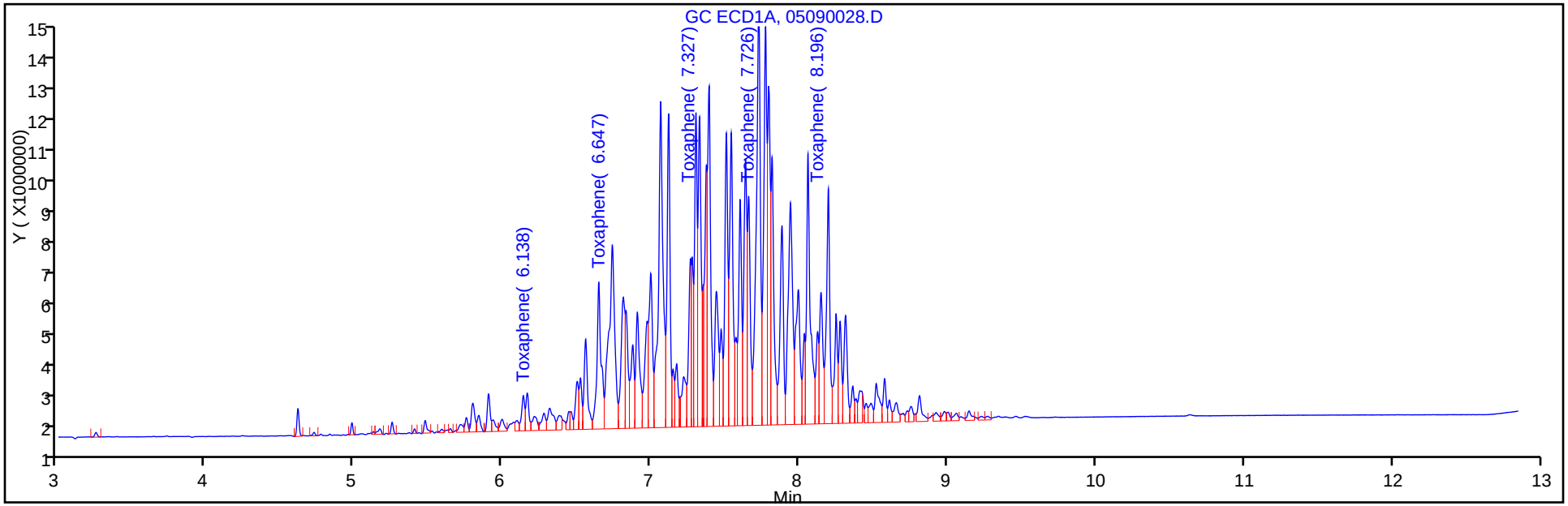
Report Date: 10-May-2013 10:18:49 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

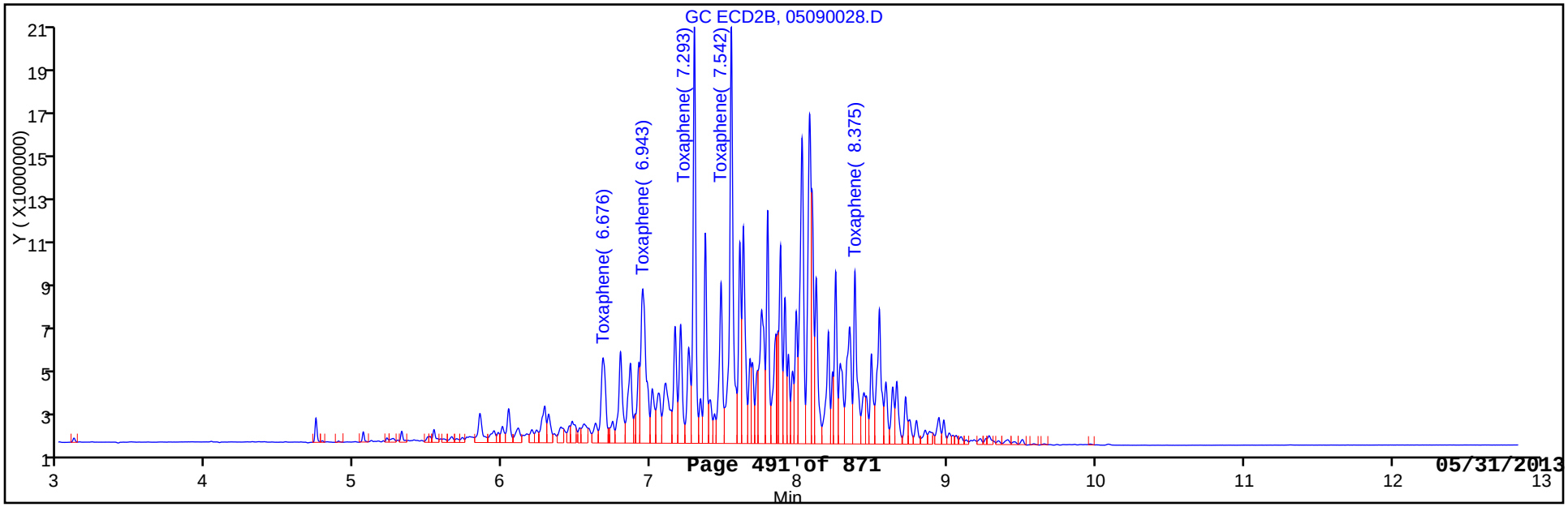
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Injection Date:	10-May-2013 00:57:12	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



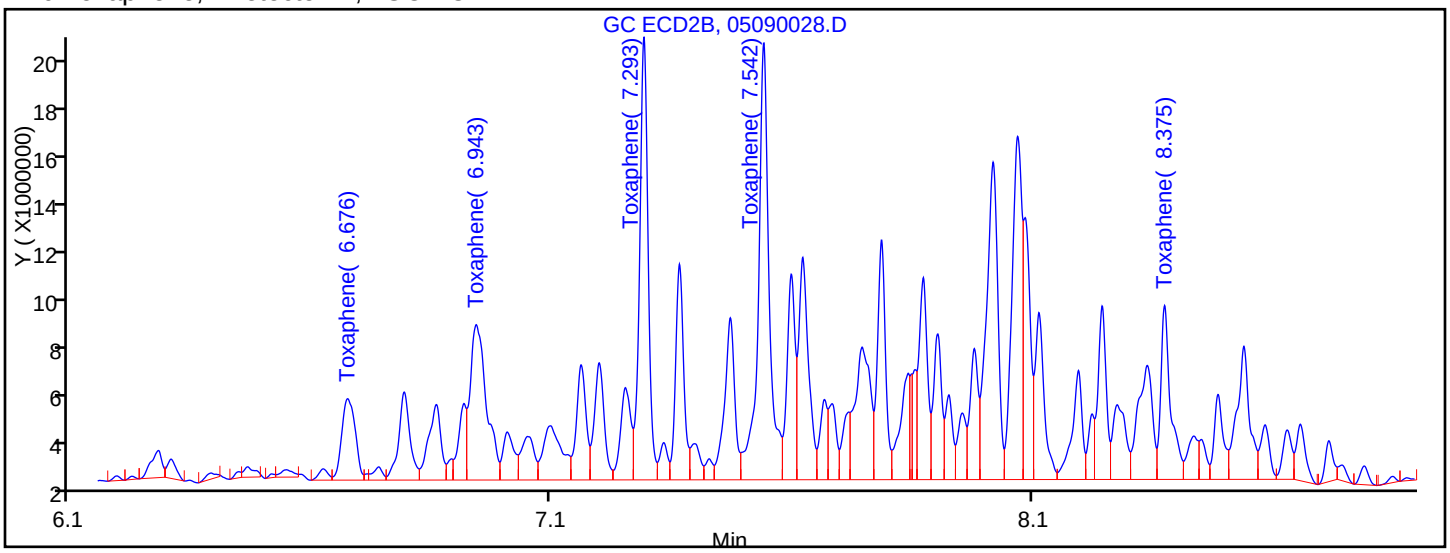
Report Date: 10-May-2013 10:18:49 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090028.D

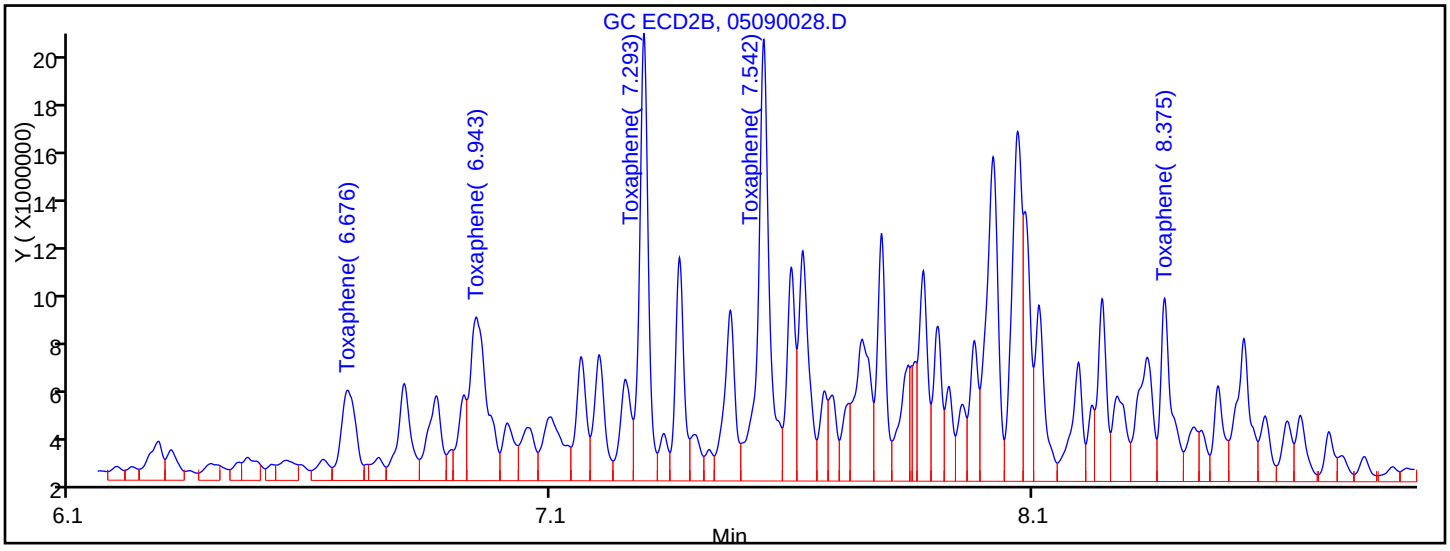
Injection Date:	10-May-2013 00:57:12	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.676	Response = 6632795	M
RT = 6.943	Response = 15233559	M
RT = 7.293	Response = 22614703	M
RT = 7.542	Response = 28759065	M
RT = 8.375	Response = 10394538	M



Manual Integration Results

RT = 6.676	Response = 8304133	M
RT = 6.943	Response = 17015221	M
RT = 7.293	Response = 23946732	M
RT = 7.542	Response = 31120000	M
RT = 8.375	Response = 12012925	M

Reviewer: wellsd, 10-May-2013 08:32:06

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090029.D		
Lims ID:	STD1 TOX	Client ID:	
Inject. Date:	10-May-2013 01:13:48	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD1 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	173579	Lims Sample ID:	29
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\8081 P2.m		
Last Update:	10-May-2013 10:18:50	Calib Date:	10-May-2013 02:03:21
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090032.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 10-May-2013 08:27:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									
1	-65	6.137	6.137	0.000	539437	193.7		100.0	
1	-65	6.648	6.647	0.001	3354367	195.6	515.9- 555.9	621.8	
1	-65	7.327	7.326	0.001	5351248	195.4	731.1- 771.1	992.0	
1	-65	7.727	7.725	0.002	9367331	195.4	1471.6-1511.6	1736.5	
1	-65	8.196	8.194	0.002	3674659	194.5	701.3- 741.3	681.2	
			Average of Peak Amounts =			194.9			
2	6	6.678	6.676	0.002	2811810	188.4		100.0	
2	7	6.944	6.941	0.003	5748519	192.5	185.9- 245.9	204.4	
2	8	7.292	7.292	0.000	8447772	194.1	281.4- 341.4	300.4	
2	9	7.542	7.542	0.000	9449723	191.0	371.6- 431.6	336.1	
2	10	8.376	8.375	0.001	3043274	188.4	123.9- 183.9	108.2	
			Average of Peak Amounts =			190.9			
						RPD = 2.10			

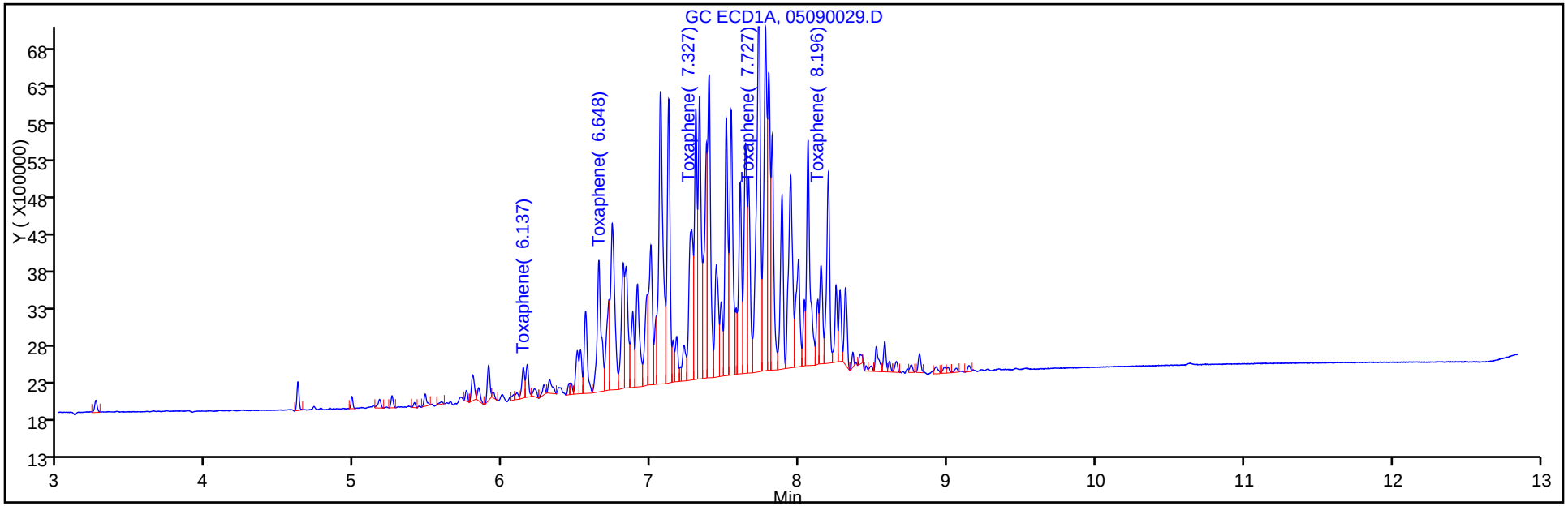
Report Date: 10-May-2013 10:18:50 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

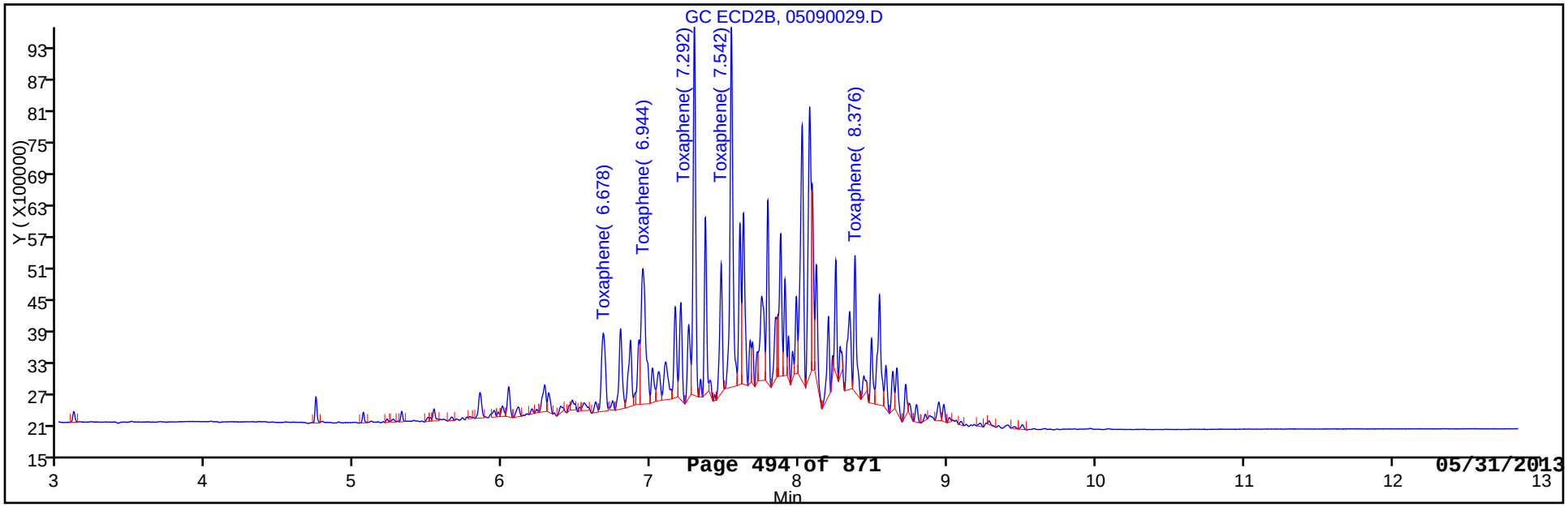
Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090029.D

Injection Date:	10-May-2013 01:13:48	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	29
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 176155

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/28/2013 13:37 Calibration End Date: 05/28/2013 15:00 Calibration ID: 14222

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-176155/15	0528A015.D
Level 2	STD2 280-176155/14	0528A014.D
Level 3	STD3 280-176155/13	0528A013.D
Level 4	STD4 280-176155/12	0528A012.D
Level 5	STD5 280-176155/11	0528A011.D
Level 6	STD6 280-176155/10	0528A010.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Hexachlorobenzene	4.181	4.182	4.181	4.181	4.181	4.188					4.171 - 4.191	4.182
alpha-BHC	4.350	4.350	4.349	4.349	4.350	4.357					4.339 - 4.359	4.351
gamma-BHC (Lindane)	4.640	4.641	4.641	4.641	4.641	4.648					4.631 - 4.651	4.642
beta-BHC	4.719	4.719	4.718	4.718	4.719	4.726					4.708 - 4.728	4.720
delta-BHC	4.867	4.867	4.868	4.866	4.867	4.874					4.856 - 4.876	4.868
Heptachlor	5.041	5.041	5.041	5.041	5.041	5.048					5.031 - 5.051	5.042
Aldrin	5.295	5.296	5.296	5.296	5.295	5.303					5.286 - 5.306	5.297
Isodrin	5.601	5.602	5.602	5.601	5.601	5.611					5.591 - 5.611	5.603
Heptachlor epoxide	5.872	5.872	5.872	5.871	5.872	5.882					5.861 - 5.881	5.874
gamma-Chlordane	6.004	6.005	6.004	6.005	6.003	6.015					5.995 - 6.015	6.006
alpha-Chlordane	6.147	6.148	6.148	6.147	6.146	6.158					6.137 - 6.157	6.149
4,4'-DDE	6.230	6.230	6.230	6.230	6.229	6.240					6.220 - 6.240	6.232
Endosulfan I	6.289	6.289	6.289	6.288	6.288	6.298					6.278 - 6.298	6.290
Dieldrin	6.534	6.533	6.533	6.533	6.532	6.543					6.523 - 6.543	6.535
Endrin	6.765	6.767	6.767	6.766	6.766	6.774					6.756 - 6.776	6.768
4,4'-DDD	6.833	6.832	6.833	6.831	6.832	6.841					6.821 - 6.841	6.834
Endosulfan II	6.985	6.985	6.986	6.985	6.985	6.994					6.975 - 6.995	6.987
4,4'-DDT	7.107	7.107	7.106	7.106	7.106	7.115					7.096 - 7.116	7.108
Endrin aldehyde	7.389	7.391	7.390	7.388	7.389	7.398					7.378 - 7.398	7.391
Methoxychlor	7.569	7.569	7.568	7.567	7.568	7.575					7.557 - 7.577	7.569
Mirex	7.708	7.708	7.708	7.706	7.708	7.716					7.696 - 7.716	7.709
Endosulfan sulfate	7.798	7.797	7.797	7.796	7.797	7.806					7.786 - 7.806	7.799
Endrin ketone	8.057	8.057	8.058	8.056	8.056	8.064					8.046 - 8.066	8.058
Tetrachloro-m-xylene	3.770	3.771	3.770	3.771	3.771	3.777					3.761 - 3.781	3.772
DCB Decachlorobiphenyl	8.969	8.969	8.968	8.967	8.968	8.975					8.957 - 8.977	8.969

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 176155

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/28/2013 13:37 Calibration End Date: 05/28/2013 15:00 Calibration ID: 14222

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-176155/15	0528A015.D
Level 2	STD2 280-176155/14	0528A014.D
Level 3	STD3 280-176155/13	0528A013.D
Level 4	STD4 280-176155/12	0528A012.D
Level 5	STD5 280-176155/11	0528A011.D
Level 6	STD6 280-176155/10	0528A010.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Hexachlorobenzene	1578865 1359409	1479742 1304435	1424171	1308449	Lin2	1066015.48	1332188.58							0.9990		0.9900
alpha-BHC	1510366 1415768	1496662 1311670	1501514	1338807	Lin2	616305.978	1384620.22							0.9970		0.9900
gamma-BHC (Lindane)	1371916 1237100	1338451 1139064	1323204	1169847	Lin2	773205.867	1207421.11							0.9960		0.9900
beta-BHC	655003 517125	599101 473887	563469	491808	Lin2	674030.257	501385.545							0.9950		0.9900
delta-BHC	1376996 1282641	1357695 1183701	1355389	1204254	Lin2	615544.892	1248990.02							0.9970		0.9900
Heptachlor	1243362 1094042	1210759 994032	1189686	1032052	Lin2	831759.073	1067250.55							0.9940		0.9900
Aldrin	1295035 1176811	1260568 1093165	1252389	1117737	Lin2	671514.498	1150785.96							0.9970		0.9900
Isodrin	1254612 1088880	1200990 1000868	1169469	1031090	Lin2	884861.674	1060411.29							0.9960		0.9900
Heptachlor epoxide	1239324 1037002	1170872 954514	1135377	988957	Lin2	1015573.11	1014327.34							0.9950		0.9900
gamma-Chlordane	1244354 1105230	1179962 1022539	1171642	1039835	Lin2	764217.778	1072066.69							0.9970		0.9900
alpha-Chlordane	1243591 1094811	1185774 1011124	1159126	1035490	Lin2	809749.929	1063170.59							0.9970		0.9900
4,4'-DDE	1328277 1224909	1282608 1163621	1267918	1179640	Lin2	569689.809	1200017.83							0.9990		0.9900
Endosulfan I	1189168 1000081	1137777 920231	1095730	972452	Lin2	937630.266	984855.354							0.9950		0.9900
Dieldrin	1233255 1094651	1192880 1011109	1166919	1048084	Lin2	751369.349	1070217.53							0.9970		0.9900
Endrin	958000 841721	900396 784169	898279	795941	Ave		863084.378				7.8		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 176155

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/28/2013 13:37 Calibration End Date: 05/28/2013 15:00 Calibration ID: 14222

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDD	1004687 858141	936560 804551	919110	845689	Lin2	695723.371	844543.186							0.9980		0.9900
Endosulfan II	1096093 916621	1031955 845651	999640	898313	Lin2	869490.988	901915.229							0.9960		0.9900
4,4'-DDT	933660 869173	902178 833987	890307	834909	Lin2	360588.143	851326.455							0.9990		0.9900
Endrin aldehyde	988947 801590	912699 745076	864269	788412	Lin2	887257.027	786085.805							0.9970		0.9900
Methoxychlor	503260 416832	466998 407562	444843	416525	Lin2	378293.227	415348.783							0.9990		0.9900
Mirex	837397 660613	750234 629399	703140	647636	Lin2	808786.725	646324.068							0.9990		0.9900
Endosulfan sulfate	992382 834166	913940 784636	883391	810063	Lin2	761189.039	814787.888							0.9980		0.9900
Endrin ketone	1136430 955318	1061421 906807	1014290	943250	Lin2	848488.471	941639.571							0.9980		0.9900
Tetrachloro-m-xylene	1328501 1181498	1261555 1140251	1235249	1149240	Lin2	710110.083	1164763.22							0.9990		0.9900
DCB Decachlorobiphenyl	946643 757880	854382 750391	797279	751912	Lin2	822108.820	750373.304							0.9990		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 176155

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/28/2013 13:37 Calibration End Date: 05/28/2013 15:00 Calibration ID: 14222

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-176155/15	0528A015.D
Level 2	STD2 280-176155/14	0528A014.D
Level 3	STD3 280-176155/13	0528A013.D
Level 4	STD4 280-176155/12	0528A012.D
Level 5	STD5 280-176155/11	0528A011.D
Level 6	STD6 280-176155/10	0528A010.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Hexachlorobenzene	Lin2	6315459 130443522	14797415	35604283	65422464	101955710	4.00 100	10.0	25.0	50.0	75.0
alpha-BHC	Lin2	6041465 131167022	14966624	37537838	66940330	106182620	4.00 100	10.0	25.0	50.0	75.0
gamma-BHC (Lindane)	Lin2	5487662 113906444	13384514	33080102	58492355	92782502	4.00 100	10.0	25.0	50.0	75.0
beta-BHC	Lin2	2620010 47388741	5991013	14086732	24590400	38784342	4.00 100	10.0	25.0	50.0	75.0
delta-BHC	Lin2	5507985 118370113	13576950	33884719	60212723	96198049	4.00 100	10.0	25.0	50.0	75.0
Heptachlor	Lin2	4973447 99403204	12107587	29742150	51602611	82053113	4.00 100	10.0	25.0	50.0	75.0
Aldrin	Lin2	5180140 109316546	12605676	31309720	55886860	88260849	4.00 100	10.0	25.0	50.0	75.0
Isodrin	Lin2	5018447 100086775	12009899	29236719	51554480	81666002	4.00 100	10.0	25.0	50.0	75.0
Heptachlor epoxide	Lin2	4957294 95451404	11708721	28384433	49447840	77775146	4.00 100	10.0	25.0	50.0	75.0
gamma-Chlordane	Lin2	4977414 102253873	11799620	29291050	51991734	82892270	4.00 100	10.0	25.0	50.0	75.0
alpha-Chlordane	Lin2	4974362 101112389	11857738	28978141	51774508	82110838	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDE	Lin2	5313108 116362143	12826078	31697939	58982007	91868148	4.00 100	10.0	25.0	50.0	75.0
Endosulfan I	Lin2	4756671 92023117	11377766	27393248	48622600	75006085	4.00 100	10.0	25.0	50.0	75.0
Dieldrin	Lin2	4933020 101110921	11928802	29172987	52404180	82098832	4.00 100	10.0	25.0	50.0	75.0
Endrin	Ave	3832000 78416864	9003964	22456979	39797068	63129053	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDD	Lin2	4018748 80455143	9365603	22977748	42284469	64360591	4.00 100	10.0	25.0	50.0	75.0

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 176155

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/28/2013 13:37 Calibration End Date: 05/28/2013 15:00 Calibration ID: 14222

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endosulfan II	Lin2	4384370 84565051	10319545	24990994	44915642	68746552	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDT	Lin2	3734640 83398734	9021783	22257665	41745439	65187943	4.00 100	10.0	25.0	50.0	75.0
Endrin aldehyde	Lin2	3955788 74507560	9126991	21606728	39420620	60119224	4.00 100	10.0	25.0	50.0	75.0
Methoxychlor	Lin2	2013040 40756162	4669981	11121068	20826250	31262424	4.00 100	10.0	25.0	50.0	75.0
Mirex	Lin2	3349586 62939863	7502343	17578501	32381786	49546010	4.00 100	10.0	25.0	50.0	75.0
Endosulfan sulfate	Lin2	3969526 78463553	9139395	22084767	40503145	62562435	4.00 100	10.0	25.0	50.0	75.0
Endrin ketone	Lin2	4545721 90680696	10614210	25357247	47162501	71648824	4.00 100	10.0	25.0	50.0	75.0
Tetrachloro-m-xylene	Lin2	5314002 114025141	12615547	30881232	57461988	88612353	4.00 100	10.0	25.0	50.0	75.0
DCB Decachlorobiphenyl	Lin2	3786571 75039110	8543817	19931968	37595616	56841029	4.00 100	10.0	25.0	50.0	75.0

Curve Type Legend:

Ave = Average
Lin2 = Linear 1/conc^2

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A010.D
Lims ID: STD6 AB Client ID:
Inject. Date: 28-May-2013 13:37:55 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD6 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 176155 Lims Sample ID: 10
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\8081 P2.m
Last Update: 29-May-2013 10:10:58 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC356

First Level Reviewer: pavlakoa Date: 29-May-2013 10:10:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						374.5			
2						377.5			
						RPD = 0.81			
$ 7 Tetrachloro-m-xylene									
1	100	3.777	3.771	0.006	114025141	97.3			
2	2	3.848	3.847	0.001	129730969	98.0			
						RPD = 0.72			
8 Hexachlorobenzene									
1	100	4.188	4.181	0.007	130443522	97.1			
2	2	4.329	4.328	0.001	134166781	98.6			
						RPD = 1.55			
10 alpha-BHC									
1	-65	4.357	4.349	0.008	131167022	94.3			
2	2	4.473	4.473	0.000	171778855	95.8			
						RPD = 1.61			
11 gamma-BHC (Lindane)									
1	-65	4.648	4.641	0.007	113906444	93.7			
2	2	4.788	4.787	0.001	148142216	94.9			
						RPD = 1.28			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									
1	100	4.726	4.718	0.008	47388741	93.2			
2	2	4.863	4.861	0.002	61986502	94.6			
						RPD = 1.51			
13 delta-BHC									
1	100	4.874	4.866	0.008	118370113	94.3			
2	2	5.099	5.097	0.002	151882830	95.4			
						RPD = 1.13			
15 Heptachlor									
1	100	5.048	5.041	0.007	99403204	92.4			
2	2	5.142	5.141	0.001	126830791	92.5			
						RPD = 0.18			
16 Aldrin									
1	-65	5.303	5.296	0.007	109316546	94.4			
2	2	5.421	5.418	0.003	138693400	95.5			
						RPD = 1.14			
18 Isodrin									
1	100	5.611	5.601	0.010	100086775	93.6			
2	2	5.796	5.792	0.004	128537349	94.7			
						RPD = 1.27			
22 Heptachlor epoxide									
1	-65	5.882	5.871	0.011	95451404	93.1			
2	2	5.981	5.976	0.005	123605335	94.1			
						RPD = 1.11			
23 gamma-Chlordane									
1	-65	6.015	6.005	0.010	102253873	94.7			
2	2	6.181	6.176	0.005	129944819	95.3			
						RPD = 0.62			
24 alpha-Chlordane									
1	-65	6.158	6.147	0.011	101112389	94.3			
2	2	6.334	6.331	0.003	126215285	95.6			
						RPD = 1.32			
25 4,4'-DDE									
1	-65	6.240	6.230	0.010	116362143	96.5			
2	2	6.512	6.507	0.005	134490189	97.2			
						RPD = 0.69			
26 Endosulfan I									
1	100	6.298	6.288	0.010	92023117	92.5			
2	2	6.393	6.389	0.004	112337511	93.6			
						RPD = 1.24			
28 Dieldrin									
1	100	6.543	6.533	0.010	101110921	93.8			
2	2	6.675	6.671	0.004	128212688	95.3			
						RPD = 1.64			
30 Endrin									
1	-65	6.774	6.766	0.008	78416864	90.9			
2	2	6.981	6.976	0.005	101379764	96.5			
						RPD = 6.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
32 4,4'-DDD									
1	100	6.841	6.831	0.010	80455143	94.4			
2	2	7.092	7.087	0.005	104763965	96.8			
						RPD = 2.51			
34 Endosulfan II									
1	100	6.994	6.985	0.009	84565051	92.8			
2	2	7.188	7.184	0.004	105753983	93.9			
						RPD = 1.18			
35 4,4'-DDT									
1	-65	7.115	7.106	0.009	83398734	97.5			
2	2	7.394	7.390	0.004	94418903	99.2			
						RPD = 1.72			
36 Endrin aldehyde									
1	-65	7.398	7.388	0.010	74507560	93.7			
2	2	7.514	7.511	0.003	92004058	95.0			
						RPD = 1.40			
37 Methoxychlor									
1	-65	7.575	7.567	0.008	40756162	97.2			
2	2	8.038	8.036	0.002	45024826	100.2			
						RPD = 3.02			
38 Mirex									
1	100	7.716	7.706	0.010	62939863	96.1			
2	2	8.225	8.221	0.004	70562754	97.2			
						RPD = 1.13			
39 Endosulfan sulfate									
1	-65	7.806	7.796	0.010	78463553	95.4			
2	2	7.772	7.768	0.004	96818949	96.4			
						RPD = 1.04			
40 Endrin ketone									
1	-65	8.064	8.056	0.008	90680696	95.4			
2	2	8.264	8.261	0.003	107670035	96.9			
						RPD = 1.54			
$ 41 DCB Decachlorobiphenyl									
1	1	8.975	8.967	0.008	75039110	98.9			
2	2	9.428	9.423	0.005	70063188	99.1			
						RPD = 0.20			

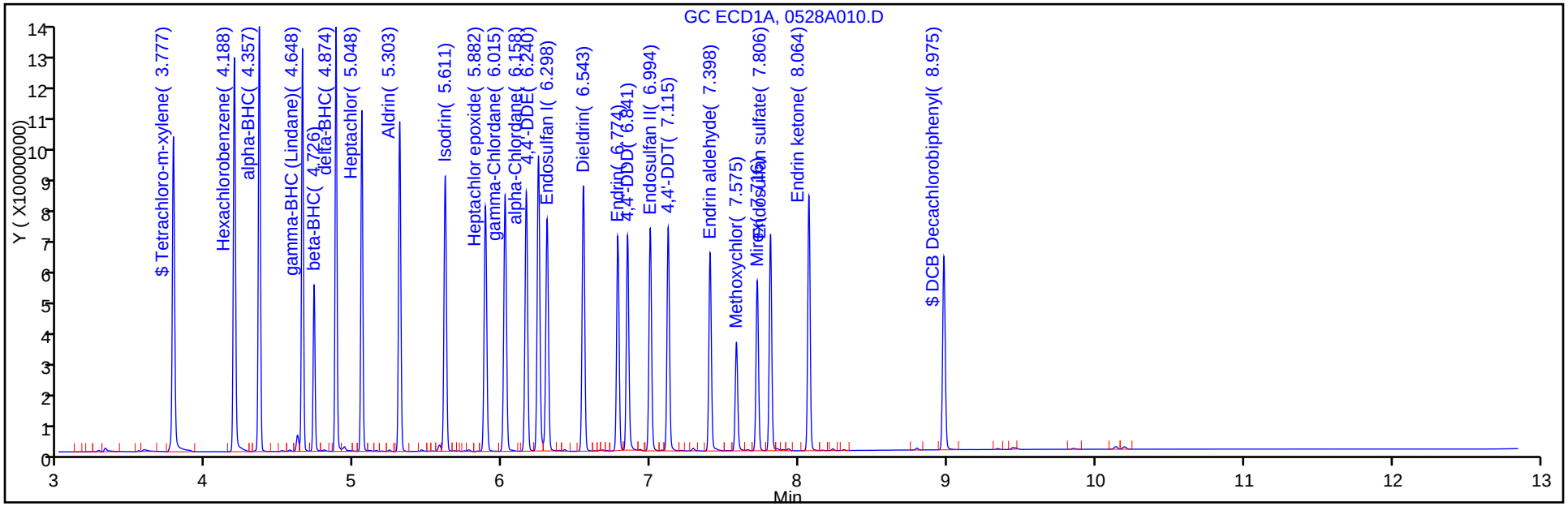
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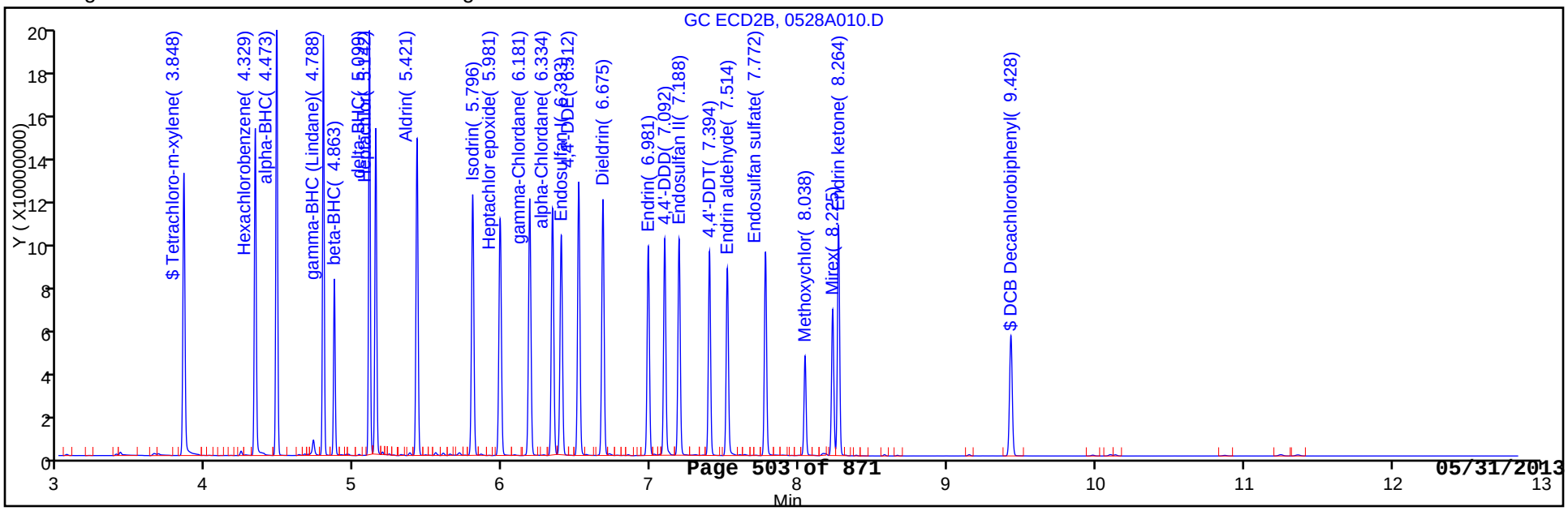
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Injection Date:	28-May-2013 13:37:55	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176155	Lims Sample ID:	10
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A011.D		
Lims ID:	STD5 AB	Client ID:	
Inject. Date:	28-May-2013 13:54:26	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD5 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	176155	Lims Sample ID:	11
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\8081 P2.m		
Last Update:	29-May-2013 10:08:28	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC356		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						304.9			
2						304.8			
						RPD = 0.01			
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.771	0.000	88612353	75.5			
2	2	3.847	3.847	0.000	99929659	75.3			
						RPD = 0.18			
8 Hexachlorobenzene									
1	100	4.181	4.181	0.000	101955710	75.7			
2	2	4.328	4.328	0.000	102661261	75.3			
						RPD = 0.56			
10 alpha-BHC									
1	-65	4.350	4.349	0.001	106182620	76.2			
2	2	4.473	4.473	0.000	137296420	76.5			
						RPD = 0.36			
11 gamma-BHC (Lindane)									
1	-65	4.641	4.641	0.000	92782502	76.2			
2	2	4.786	4.787	-0.001	119178455	76.3			
						RPD = 0.09			
12 beta-BHC									
1	100	4.719	4.718	0.001	38784342	76.0			
2	2	4.861	4.861	0.000	49897918	76.0			
						RPD = 0.07			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.867	4.866	0.001	96198049	76.5			
2	2	5.096	5.097	-0.001	121859180	76.4			
						RPD = 0.13			
15 Heptachlor									
1	100	5.041	5.041	0.000	82053113	76.1			
2	2	5.140	5.141	-0.001	104106458	75.8			
						RPD = 0.37			
16 Aldrin									
1	-65	5.295	5.296	-0.001	88260849	76.1			
2	2	5.417	5.418	-0.001	111093038	76.4			
						RPD = 0.37			
18 Isodrin									
1	100	5.601	5.601	0.000	81666002	76.2			
2	2	5.791	5.792	-0.001	103445802	76.1			
						RPD = 0.09			
22 Heptachlor epoxide									
1	-65	5.872	5.871	0.001	77775146	75.7			
2	2	5.976	5.976	0.000	100126224	76.1			
						RPD = 0.56			
23 gamma-Chlordane									
1	-65	6.003	6.005	-0.002	82892270	76.6			
2	2	6.176	6.176	0.000	104745888	76.7			
						RPD = 0.07			
24 alpha-Chlordane									
1	-65	6.146	6.147	-0.001	82110838	76.5			
2	2	6.330	6.331	-0.001	100834409	76.2			
						RPD = 0.31			
25 4,4'-DDE									
1	-65	6.229	6.230	-0.001	91868148	76.1			
2	2	6.506	6.507	-0.001	105639794	76.2			
						RPD = 0.19			
26 Endosulfan I									
1	100	6.288	6.288	0.000	75006085	75.2			
2	2	6.389	6.389	0.000	91093208	75.8			
						RPD = 0.76			
28 Dieldrin									
1	100	6.532	6.533	-0.001	82098832	76.0			
2	2	6.670	6.671	-0.001	102805512	76.3			
						RPD = 0.39			
30 Endrin									
1	-65	6.766	6.766	0.000	63129053	73.1			
2	2	6.976	6.976	0.000	80779144	76.8			
						RPD = 4.90			
32 4,4'-DDD									
1	100	6.832	6.831	0.001	64360591	75.4			
2	2	7.087	7.087	0.000	81992948	75.7			
						RPD = 0.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.985	6.985	0.000	68746552	75.3			
2	2	7.184	7.184	0.000	85046080	75.3			
						RPD = 0.11			
35 4,4'-DDT									
1	-65	7.106	7.106	0.000	65187943	76.1			
2	2	7.389	7.390	-0.001	73055105	76.7			
						RPD = 0.74			
36 Endrin aldehyde									
1	-65	7.389	7.388	0.001	60119224	75.4			
2	2	7.510	7.511	-0.001	73560839	75.7			
						RPD = 0.50			
37 Methoxychlor									
1	-65	7.568	7.567	0.001	31262424	74.4			
2	2	8.036	8.036	0.000	34068909	75.6			
						RPD = 1.68			
38 Mirex									
1	100	7.708	7.706	0.002	49546010	75.4			
2	2	8.221	8.221	0.000	55208139	75.8			
						RPD = 0.51			
39 Endosulfan sulfate									
1	-65	7.797	7.796	0.001	62562435	75.8			
2	2	7.768	7.768	0.000	76561170	76.0			
						RPD = 0.22			
40 Endrin ketone									
1	-65	8.056	8.056	0.000	71648824	75.2			
2	2	8.261	8.261	0.000	84477817	75.8			
						RPD = 0.87			
$ 41 DCB Decachlorobiphenyl									
1	1	8.968	8.967	0.001	56841029	74.7			
2	2	9.423	9.423	0.000	52974521	74.6			
						RPD = 0.04			

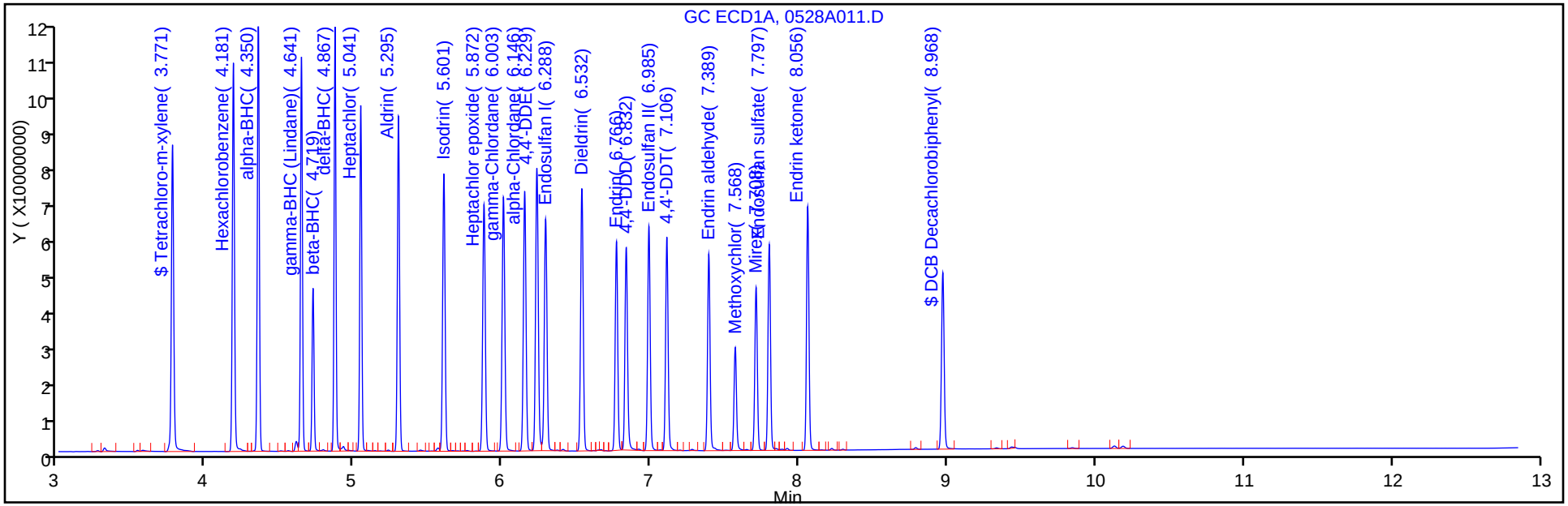
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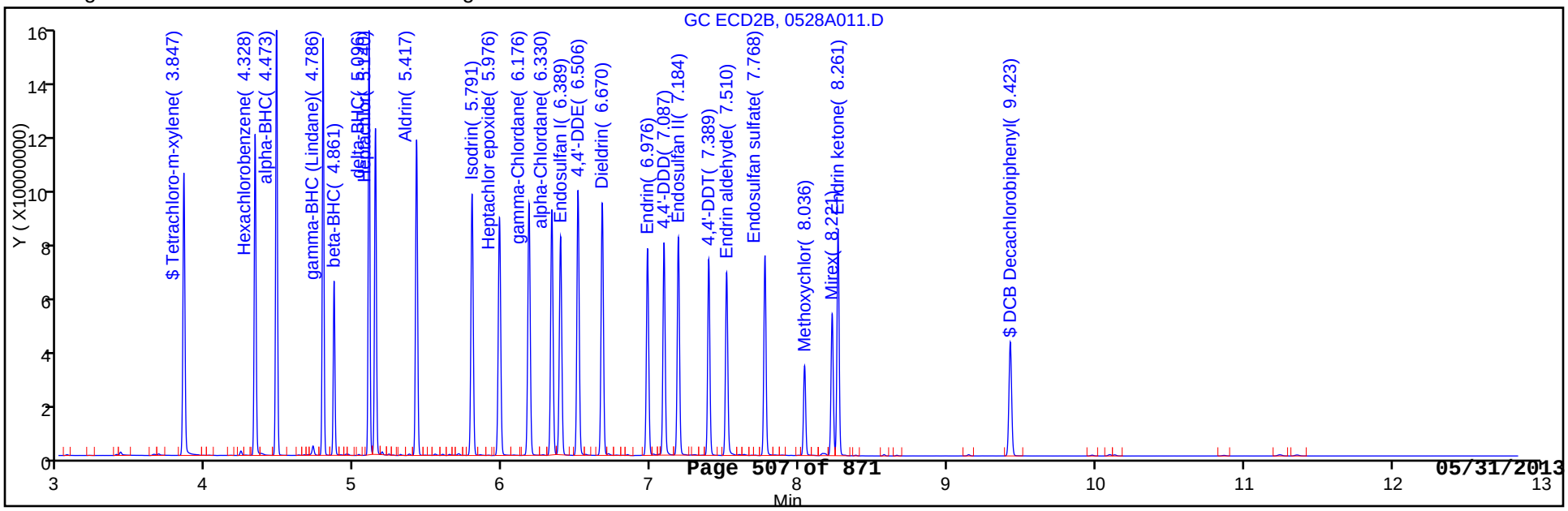
Data File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A011.D

Injection Date:	28-May-2013 13:54:26	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176155	Lims Sample ID:	11
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A012.D
Lims ID: STD4 AB Client ID:
Inject. Date: 28-May-2013 14:10:59 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD4 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 176155 Lims Sample ID: 12
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\8081 P2.m
Last Update: 29-May-2013 10:08:29 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC356

First Level Reviewer: pavlakoa Date: 29-May-2013 09:54:29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						191.0			
2						190.8			
						RPD = 0.12			
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.771	0.000	57461988	48.7			
2	2	3.847	3.847	0.000	64796784	48.6			
						RPD = 0.19			
8 Hexachlorobenzene									
1	100	4.181	4.181	0.000	65422464	48.3			
2	2	4.328	4.328	0.000	65429822	47.7			
						RPD = 1.19			
10 alpha-BHC									
1	-65	4.349	4.349	0.000	66940330	47.9			
2	2	4.473	4.473	0.000	85545944	47.6			
						RPD = 0.72			
11 gamma-BHC (Lindane)									
1	-65	4.641	4.641	0.000	58492355	47.8			
2	2	4.787	4.787	0.000	74381309	47.4			
						RPD = 0.76			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									
1	100	4.718	4.718	0.000	24590400	47.7			
2	2	4.861	4.861	0.000	31450185	47.5			
						RPD = 0.37			
13 delta-BHC									
1	100	4.866	4.866	0.000	60212723	47.7			
2	2	5.097	5.097	0.000	75992868	47.5			
						RPD = 0.41			
15 Heptachlor									
1	100	5.041	5.041	0.000	51602611	47.6			
2	2	5.141	5.141	0.000	65788676	47.7			
						RPD = 0.18			
16 Aldrin									
1	-65	5.296	5.296	0.000	55886860	48.0			
2	2	5.418	5.418	0.000	69421260	47.6			
						RPD = 0.88			
18 Isodrin									
1	100	5.601	5.601	0.000	51554480	47.8			
2	2	5.792	5.792	0.000	65211796	47.7			
						RPD = 0.14			
22 Heptachlor epoxide									
1	-65	5.871	5.871	0.000	49447840	47.7			
2	2	5.976	5.976	0.000	63059912	47.6			
						RPD = 0.29			
23 gamma-Chlordane									
1	-65	6.005	6.005	0.000	51991734	47.8			
2	2	6.176	6.176	0.000	65426382	47.6			
						RPD = 0.29			
24 alpha-Chlordane									
1	-65	6.147	6.147	0.000	51774508	47.9			
2	2	6.331	6.331	0.000	63684279	47.9			
						RPD = 0.08			
25 4,4'-DDE									
1	-65	6.230	6.230	0.000	58982007	48.7			
2	2	6.507	6.507	0.000	67180124	48.3			
						RPD = 0.72			
26 Endosulfan I									
1	100	6.288	6.288	0.000	48622600	48.4			
2	2	6.389	6.389	0.000	58412462	48.3			
						RPD = 0.21			
28 Dieldrin									
1	100	6.533	6.533	0.000	52404180	48.3			
2	2	6.671	6.671	0.000	65021382	48.0			
						RPD = 0.49			
30 Endrin									
1	-65	6.766	6.766	0.000	39797068	46.1			
2	2	6.976	6.976	0.000	50105624	47.5			
						RPD = 2.88			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
32 4,4'-DDD									
1	100	6.831	6.831	0.000	42284469	49.2			
2	2	7.087	7.087	0.000	53180728	48.9			
						RPD = 0.70			
34 Endosulfan II									
1	100	6.985	6.985	0.000	44915642	48.8			
2	2	7.184	7.184	0.000	55389201	48.8			
						RPD = 0.15			
35 4,4'-DDT									
1	-65	7.106	7.106	0.000	41745439	48.6			
2	2	7.390	7.390	0.000	46399915	48.6			
						RPD = 0.01			
36 Endrin aldehyde									
1	-65	7.388	7.388	0.000	39420620	49.0			
2	2	7.511	7.511	0.000	47720494	48.8			
						RPD = 0.51			
37 Methoxychlor									
1	-65	7.567	7.567	0.000	20826250	49.2			
2	2	8.036	8.036	0.000	22021820	48.6			
						RPD = 1.33			
38 Mirex									
1	100	7.706	7.706	0.000	32381786	48.9			
2	2	8.221	8.221	0.000	35687565	48.5			
						RPD = 0.63			
39 Endosulfan sulfate									
1	-65	7.796	7.796	0.000	40503145	48.8			
2	2	7.768	7.768	0.000	49115904	48.4			
						RPD = 0.68			
40 Endrin ketone									
1	-65	8.056	8.056	0.000	47162501	49.2			
2	2	8.261	8.261	0.000	54758394	48.9			
						RPD = 0.59			
$ 41 DCB Decachlorobiphenyl									
1	1	8.967	8.967	0.000	37595616	49.0			
2	2	9.423	9.423	0.000	34952533	48.8			
						RPD = 0.41			

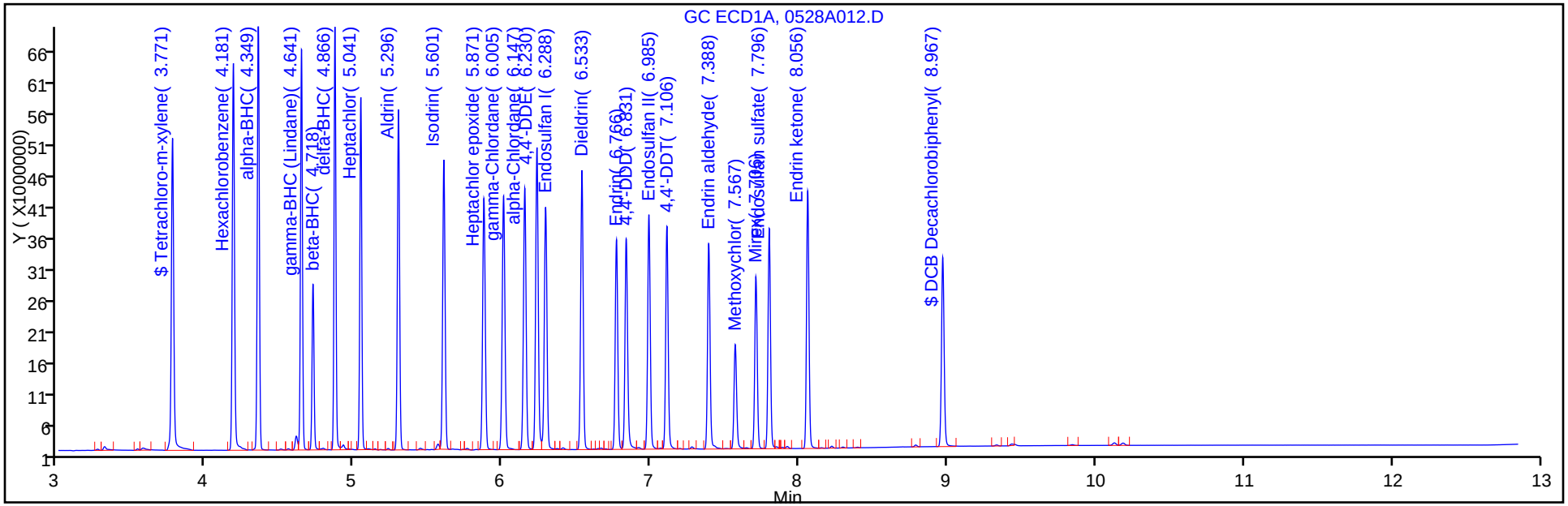
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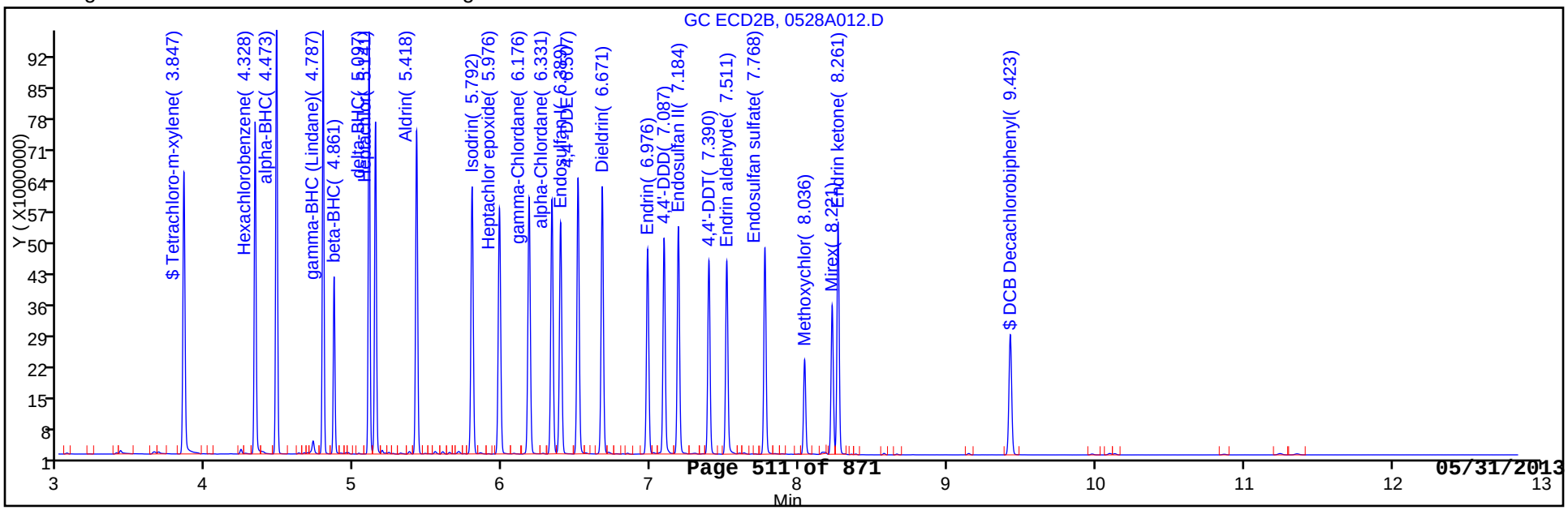
Data File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A012.D

Injection Date:	28-May-2013 14:10:59	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176155	Lims Sample ID:	12
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A013.D		
Lims ID:	STD3 AB	Client ID:	
Inject. Date:	28-May-2013 14:27:38	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD3 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	176155	Lims Sample ID:	13
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\8081 P2.m		
Last Update:	29-May-2013 10:08:31	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC356		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						107.2			
2						106.6			
						RPD = 0.57			
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.771	-0.001	30881232	25.9			
2	2	3.848	3.847	0.001	34713389	25.8			
						RPD = 0.53			
8 Hexachlorobenzene									
1	100	4.181	4.181	0.000	35604283	25.9			
2	2	4.328	4.328	0.000	35983938	25.9			
						RPD = 0.02			
10 alpha-BHC									
1	-65	4.349	4.349	0.000	37537838	26.7			
2	2	4.473	4.473	0.000	47711133	26.4			
						RPD = 1.06			
11 gamma-BHC (Lindane)									
1	-65	4.641	4.641	0.000	33080102	26.8			
2	2	4.788	4.787	0.001	42064651	26.6			
						RPD = 0.43			
12 beta-BHC									
1	100	4.718	4.718	0.000	14086732	26.8			
2	2	4.861	4.861	0.000	17973365	26.8			
						RPD = 0.00			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.868	4.866	0.002	33884719	26.6			
2	2	5.097	5.097	0.000	42712800	26.5			
						RPD = 0.33			
15 Heptachlor									
1	100	5.041	5.041	0.000	29742150	27.1			
2	2	5.140	5.141	-0.001	37891619	27.2			
						RPD = 0.24			
16 Aldrin									
1	-65	5.296	5.296	0.000	31309720	26.6			
2	2	5.418	5.418	0.000	38963648	26.5			
						RPD = 0.51			
18 Isodrin									
1	100	5.602	5.601	0.001	29236719	26.7			
2	2	5.792	5.792	0.000	36767483	26.6			
						RPD = 0.54			
22 Heptachlor epoxide									
1	-65	5.872	5.871	0.001	28384433	27.0			
2	2	5.977	5.976	0.001	35849026	26.7			
						RPD = 1.05			
23 gamma-Chlordane									
1	-65	6.004	6.005	-0.001	29291050	26.6			
2	2	6.177	6.176	0.001	36648919	26.4			
						RPD = 0.76			
24 alpha-Chlordane									
1	-65	6.148	6.147	0.001	28978141	26.5			
2	2	6.331	6.331	0.000	35378174	26.3			
						RPD = 0.72			
25 4,4'-DDE									
1	-65	6.230	6.230	0.000	31697939	25.9			
2	2	6.507	6.507	0.000	36255711	25.9			
						RPD = 0.19			
26 Endosulfan I									
1	100	6.289	6.288	0.001	27393248	26.9			
2	2	6.389	6.389	0.000	32630160	26.6			
						RPD = 0.81			
28 Dieldrin									
1	100	6.533	6.533	0.000	29172987	26.6			
2	2	6.670	6.671	-0.001	36044262	26.3			
						RPD = 0.82			
30 Endrin									
1	-65	6.767	6.766	0.001	22456979	26.0			
2	2	6.976	6.976	0.000	27942869	26.2			
						RPD = 0.87			
32 4,4'-DDD									
1	100	6.833	6.831	0.002	22977748	26.4			
2	2	7.088	7.087	0.001	28329957	25.8			
						RPD = 2.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.986	6.985	0.001	24990994	26.7			
2	2	7.184	7.184	0.000	30610855	26.6			
						RPD = 0.70			
35 4,4'-DDT									
1	-65	7.106	7.106	0.000	22257665	25.7			
2	2	7.389	7.390	-0.001	24295510	25.3			
						RPD = 1.59			
36 Endrin aldehyde									
1	-65	7.390	7.388	0.002	21606728	26.4			
2	2	7.509	7.511	-0.002	26002683	26.1			
						RPD = 0.95			
37 Methoxychlor									
1	-65	7.568	7.567	0.001	11121068	25.9			
2	2	8.036	8.036	0.000	11620120	25.2			
						RPD = 2.44			
38 Mirex									
1	100	7.708	7.706	0.002	17578501	25.9			
2	2	8.221	8.221	0.000	19273337	25.6			
						RPD = 1.23			
39 Endosulfan sulfate									
1	-65	7.797	7.796	0.001	22084767	26.2			
2	2	7.768	7.768	0.000	26677717	25.9			
						RPD = 1.01			
40 Endrin ketone									
1	-65	8.058	8.056	0.002	25357247	26.0			
2	2	8.260	8.261	-0.001	29154991	25.7			
						RPD = 1.36			
$ 41 DCB Decachlorobiphenyl									
1	1	8.968	8.967	0.001	19931968	25.5			
2	2	9.423	9.423	0.000	18624114	25.4			
						RPD = 0.20			

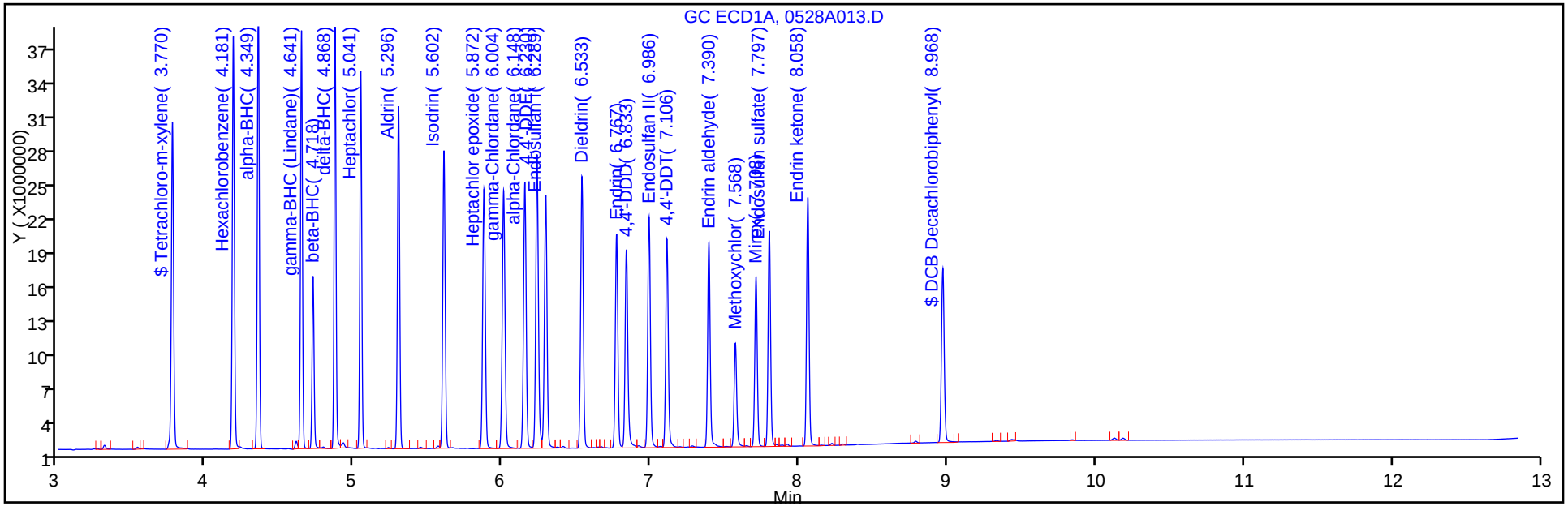
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TestAmerica Denver

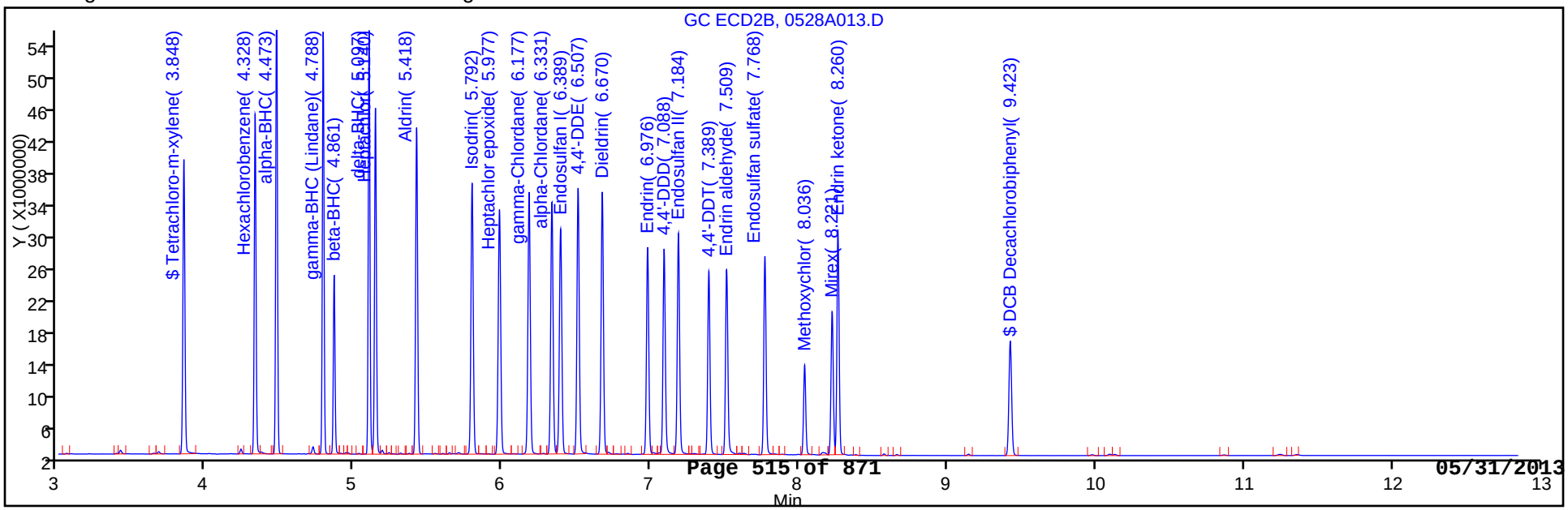
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Injection Date:	28-May-2013 14:27:38	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176155	Lims Sample ID:	13
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A014.D		
Lims ID:	STD2 AB	Client ID:	
Inject. Date:	28-May-2013 14:44:08	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	176155	Lims Sample ID:	14
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\8081 P2.m		
Last Update:	29-May-2013 10:08:33	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC356		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						41.8			
2						41.7			
						RPD = 0.16			
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.771	0.000	12615547	10.2			
2	2	3.848	3.847	0.001	14290168	10.2			
						RPD = 0.21			
8 Hexachlorobenzene									
1	100	4.182	4.181	0.001	14797415	10.3			
2	2	4.328	4.328	0.000	14909517	10.3			
						RPD = 0.18			
10 alpha-BHC									
1	-65	4.350	4.349	0.001	14966624	10.4			
2	2	4.473	4.473	0.000	19011375	10.3			
						RPD = 0.39			
11 gamma-BHC (Lindane)									
1	-65	4.641	4.641	0.000	13384514	10.4			
2	2	4.787	4.787	0.000	16846921	10.4			
						RPD = 0.30			
12 beta-BHC									
1	100	4.719	4.718	0.001	5991013	10.6			
2	2	4.862	4.861	0.001	7391288	10.4			
						RPD = 1.53			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.867	4.866	0.001	13576950	10.4			
2	2	5.097	5.097	0.000	16984799	10.3			
						RPD = 0.41			
15 Heptachlor									
1	100	5.041	5.041	0.000	12107587	10.6			
2	2	5.141	5.141	0.000	15282815	10.5			
						RPD = 0.29			
16 Aldrin									
1	-65	5.296	5.296	0.000	12605676	10.4			
2	2	5.418	5.418	0.000	15627638	10.3			
						RPD = 0.27			
18 Isodrin									
1	100	5.602	5.601	0.001	12009899	10.5			
2	2	5.792	5.792	0.000	14982636	10.4			
						RPD = 0.73			
22 Heptachlor epoxide									
1	-65	5.872	5.871	0.001	11708721	10.5			
2	2	5.977	5.976	0.001	14752358	10.5			
						RPD = 0.53			
23 gamma-Chlordane									
1	-65	6.005	6.005	0.000	11799620	10.3			
2	2	6.177	6.176	0.001	14880920	10.3			
						RPD = 0.49			
24 alpha-Chlordane									
1	-65	6.148	6.147	0.001	11857738	10.4			
2	2	6.332	6.331	0.001	14476046	10.4			
						RPD = 0.31			
25 4,4'-DDE									
1	-65	6.230	6.230	0.000	12826078	10.2			
2	2	6.507	6.507	0.000	14643517	10.2			
						RPD = 0.03			
26 Endosulfan I									
1	100	6.289	6.288	0.001	11377766	10.6			
2	2	6.389	6.389	0.000	13359461	10.4			
						RPD = 1.44			
28 Dieldrin									
1	100	6.533	6.533	0.000	11928802	10.4			
2	2	6.671	6.671	0.000	14650252	10.3			
						RPD = 1.11			
30 Endrin									
1	-65	6.767	6.766	0.001	9003964	10.4			
2	2	6.977	6.976	0.001	11233908	10.3			
						RPD = 1.74			
32 4,4'-DDD									
1	100	6.832	6.831	0.001	9365603	10.3			
2	2	7.088	7.087	0.001	11591062	10.2			
						RPD = 0.18			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.985	6.985	0.000	10319545	10.5			
2	2	7.185	7.184	0.001	12593966	10.4			
						RPD = 0.63			
35 4,4'-DDT									
1	-65	7.107	7.106	0.001	9021783	10.2			
2	2	7.390	7.390	0.000	9776110	10.0			
						RPD = 1.63			
36 Endrin aldehyde									
1	-65	7.391	7.388	0.003	9126991	10.5			
2	2	7.511	7.511	0.000	10952991	10.4			
						RPD = 0.71			
37 Methoxychlor									
1	-65	7.569	7.567	0.002	4669981	10.3			
2	2	8.037	8.036	0.001	4889838	10.1			
						RPD = 1.90			
38 Mirex									
1	100	7.708	7.706	0.002	7502343	10.4			
2	2	8.222	8.221	0.001	8342896	10.4			
						RPD = 0.16			
39 Endosulfan sulfate									
1	-65	7.797	7.796	0.001	9139395	10.3			
2	2	7.768	7.768	0.000	11176981	10.3			
						RPD = 0.52			
40 Endrin ketone									
1	-65	8.057	8.056	0.001	10614210	10.4			
2	2	8.262	8.261	0.001	12180365	10.3			
						RPD = 0.86			
$ 41 DCB Decachlorobiphenyl									
1	1	8.969	8.967	0.002	8543817	10.3			
2	2	9.422	9.423	-0.001	8110054	10.4			
						RPD = 0.63			

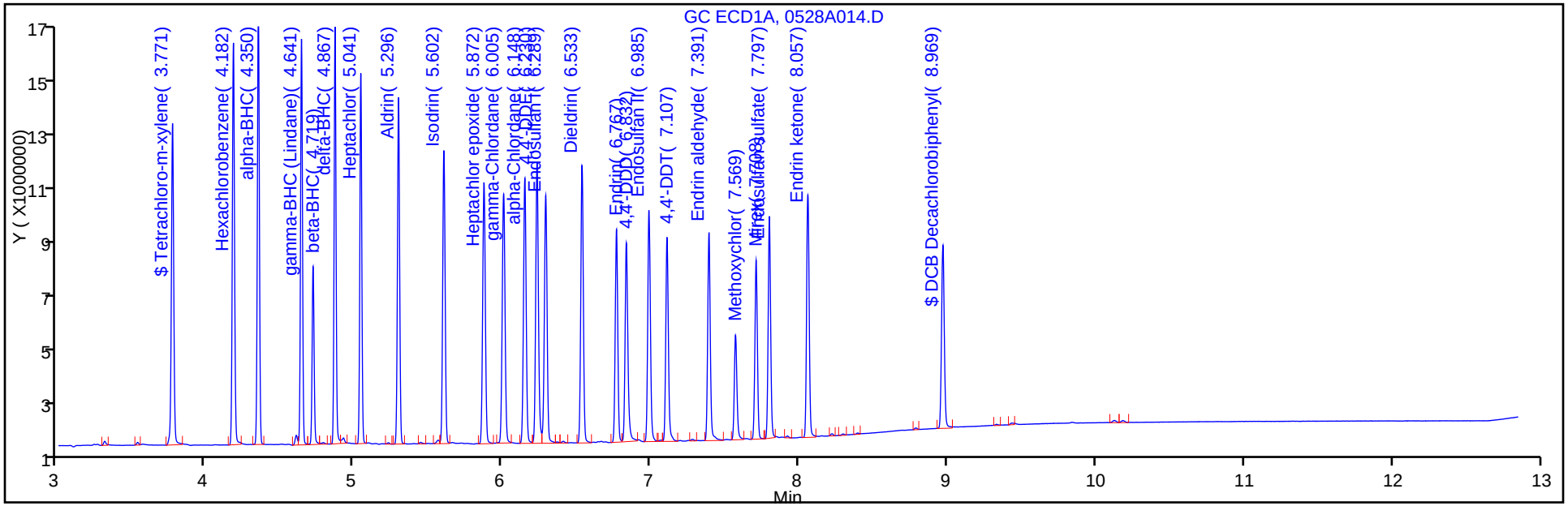
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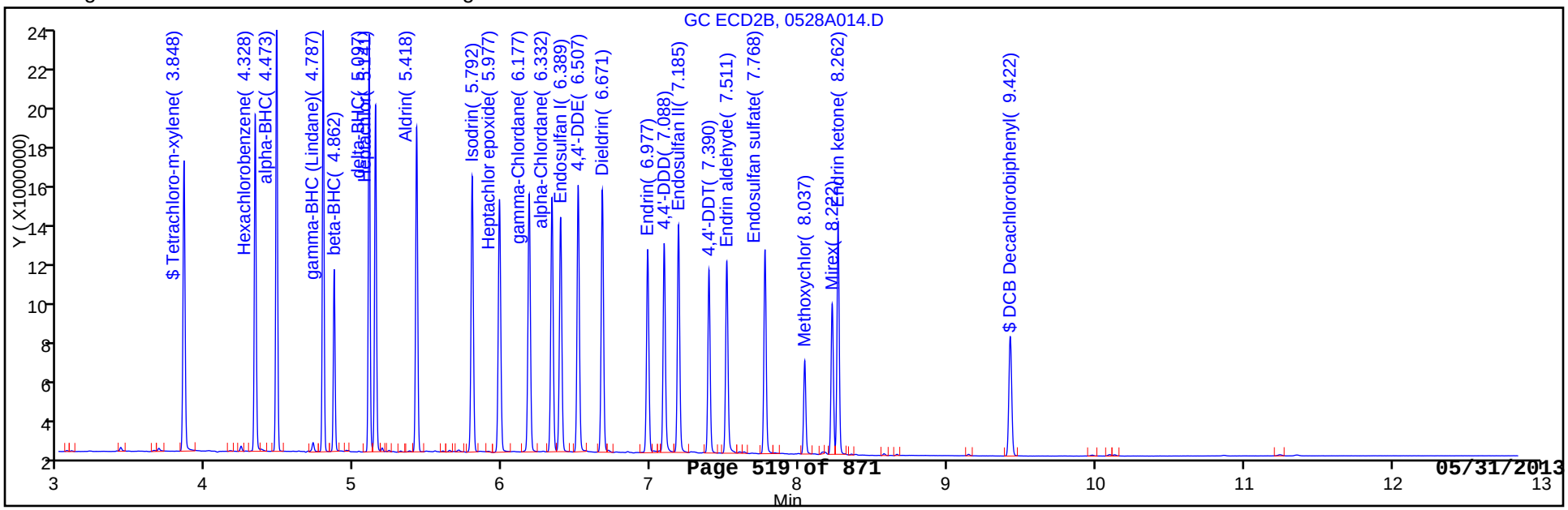
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Injection Date:	28-May-2013 14:44:08	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176155	Lims Sample ID:	14
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Lims ID: STD1 AB Client ID:
Inject. Date: 28-May-2013 15:00:41 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD1 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 176155 Lims Sample ID: 15
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\8081 P2.m
Last Update: 29-May-2013 10:08:34 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC356

First Level Reviewer: pavlakoa Date: 29-May-2013 09:56:21

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						15.6			
2						15.6			
						RPD = 0.15			
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.771	-0.001	5314002	3.95			
2	2	3.847	3.847	0.000	6013780	3.95			
						RPD = 0.00			
8 Hexachlorobenzene									
1	100	4.181	4.181	0.000	6315459	3.94			
2	2	4.329	4.328	0.001	6285605	3.94			
						RPD = 0.02			
10 alpha-BHC									
1	-65	4.350	4.349	0.001	6041465	3.92			
2	2	4.473	4.473	0.000	7586389	3.93			
						RPD = 0.32			
11 gamma-BHC (Lindane)									
1	-65	4.640	4.641	-0.001	5487662	3.90			
2	2	4.787	4.787	0.000	6745257	3.91			
						RPD = 0.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									
1	100	4.719	4.718	0.001	2620010	3.88			
2	2	4.861	4.861	0.000	3149797	3.91			
						RPD = 0.64			
13 delta-BHC									
1	100	4.867	4.866	0.001	5507985	3.92			
2	2	5.098	5.097	0.001	6815657	3.93			
						RPD = 0.23			
15 Heptachlor									
1	100	5.041	5.041	0.000	4973447	3.88			
2	2	5.140	5.141	-0.001	6234235	3.88			
						RPD = 0.08			
16 Aldrin									
1	-65	5.295	5.296	-0.001	5180140	3.92			
2	2	5.418	5.418	0.000	6354724	3.93			
						RPD = 0.21			
18 Isodrin									
1	100	5.601	5.601	0.000	5018447	3.90			
2	2	5.792	5.792	0.000	6227606	3.91			
						RPD = 0.37			
22 Heptachlor epoxide									
1	-65	5.872	5.871	0.001	4957294	3.89			
2	2	5.976	5.976	0.000	6182514	3.90			
						RPD = 0.36			
23 gamma-Chlordane									
1	-65	6.004	6.005	-0.001	4977414	3.93			
2	2	6.177	6.176	0.001	6185554	3.93			
						RPD = 0.08			
24 alpha-Chlordane									
1	-65	6.147	6.147	0.000	4974362	3.92			
2	2	6.330	6.331	-0.001	6042187	3.93			
						RPD = 0.23			
25 4,4'-DDE									
1	-65	6.230	6.230	0.000	5313108	3.95			
2	2	6.507	6.507	0.000	6021608	3.96			
						RPD = 0.06			
26 Endosulfan I									
1	100	6.289	6.288	0.001	4756671	3.88			
2	2	6.389	6.389	0.000	5572728	3.90			
						RPD = 0.69			
28 Dieldrin									
1	100	6.534	6.533	0.001	4933020	3.91			
2	2	6.670	6.671	-0.001	6100692	3.93			
						RPD = 0.57			
30 Endrin									
1	-65	6.765	6.766	-0.001	3832000	4.44			
2	2	6.977	6.976	0.001	4643533	3.94			
						RPD = 11.82			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
32 4,4'-DDD									
1	100	6.833	6.831	0.002	4018748	3.93			
2	2	7.089	7.087	0.002	4816033	3.95			
						RPD = 0.39			
34 Endosulfan II									
1	100	6.985	6.985	0.000	4384370	3.90			
2	2	7.185	7.184	0.001	5339628	3.91			
						RPD = 0.35			
35 4,4'-DDT									
1	-65	7.107	7.106	0.001	3734640	3.96			
2	2	7.390	7.390	0.000	4071115	4.00			
						RPD = 0.81			
36 Endrin aldehyde									
1	-65	7.389	7.388	0.001	3955788	3.90			
2	2	7.510	7.511	-0.001	4734661	3.92			
						RPD = 0.43			
37 Methoxychlor									
1	-65	7.569	7.567	0.002	2013040	3.94			
2	2	8.036	8.036	0.000	2144615	3.98			
						RPD = 1.08			
38 Mirex									
1	100	7.708	7.706	0.002	3349586	3.93			
2	2	8.221	8.221	0.000	3731440	3.94			
						RPD = 0.12			
39 Endosulfan sulfate									
1	-65	7.798	7.796	0.002	3969526	3.94			
2	2	7.769	7.768	0.001	4804953	3.94			
						RPD = 0.05			
40 Endrin ketone									
1	-65	8.057	8.056	0.001	4545721	3.93			
2	2	8.261	8.261	0.000	5194695	3.95			
						RPD = 0.53			
$ 41 DCB Decachlorobiphenyl									
1	1	8.969	8.967	0.002	3786571	3.95			
2	2	9.424	9.423	0.001	3632732	3.94			
						RPD = 0.21			

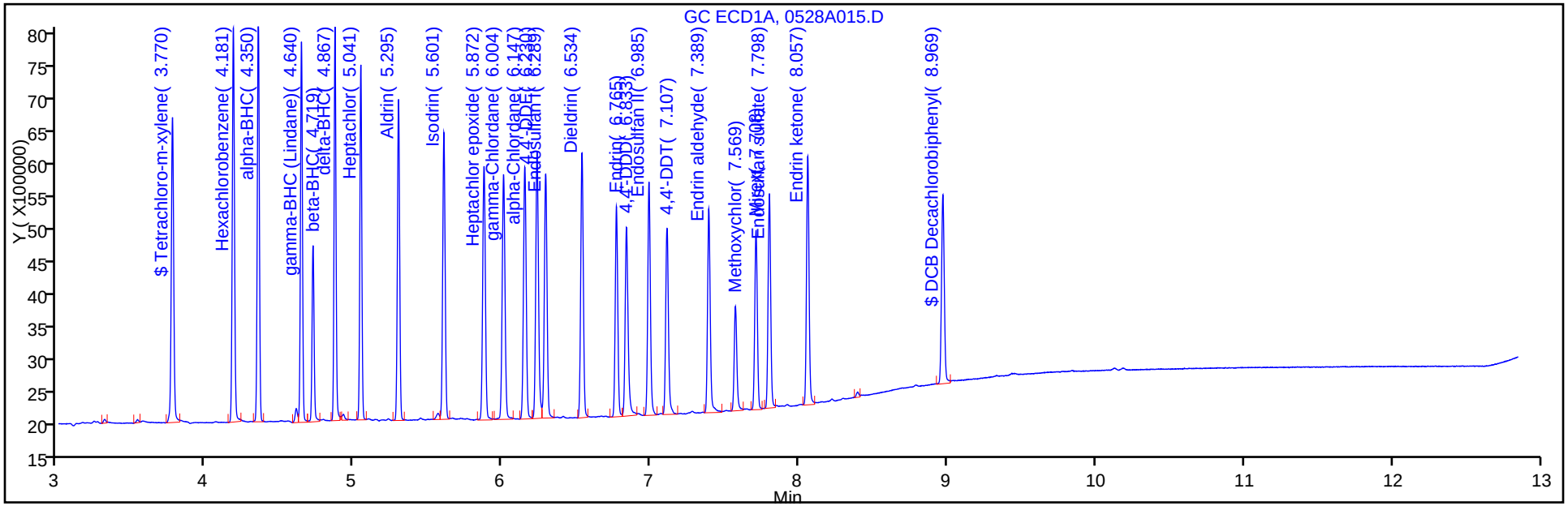
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TestAmerica Denver

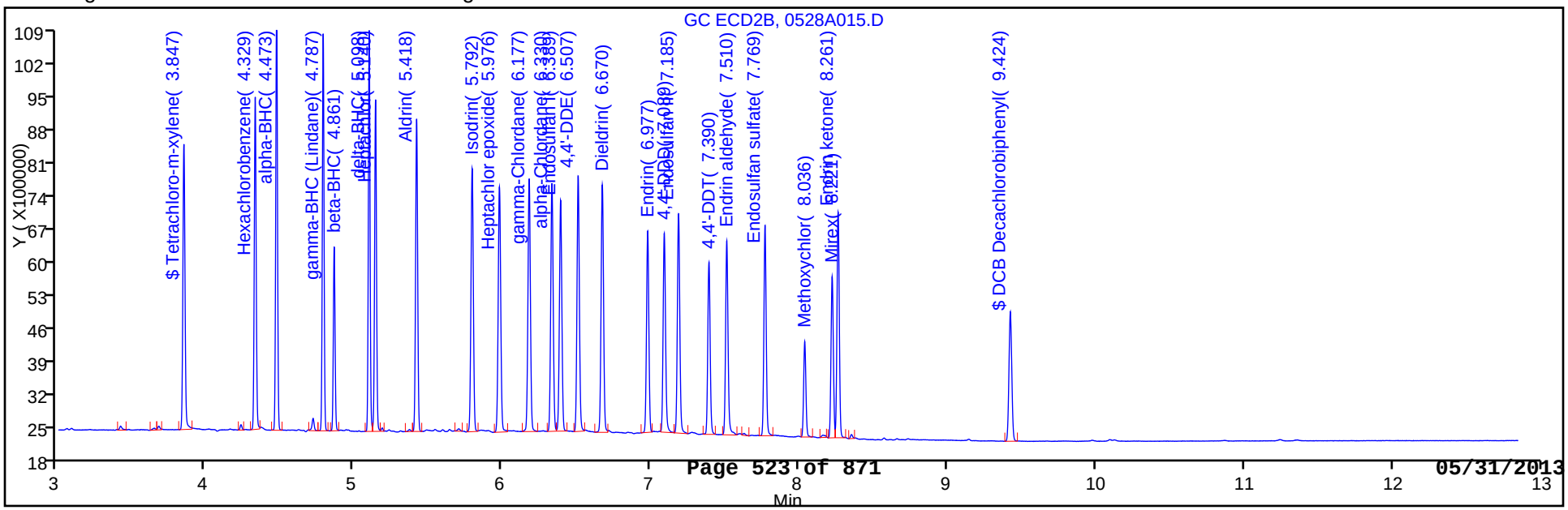
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Injection Date:	28-May-2013 15:00:41	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176155	Lims Sample ID:	15
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 176155

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/28/2013 13:37 Calibration End Date: 05/28/2013 15:00 Calibration ID: 14223

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-176155/15	0528A015.D
Level 2	STD2 280-176155/14	0528A014.D
Level 3	STD3 280-176155/13	0528A013.D
Level 4	STD4 280-176155/12	0528A012.D
Level 5	STD5 280-176155/11	0528A011.D
Level 6	STD6 280-176155/10	0528A010.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Hexachlorobenzene	4.329	4.328	4.328	4.328	4.328	4.329					4.318 - 4.338	4.328
alpha-BHC	4.473	4.473	4.473	4.473	4.473	4.473					4.463 - 4.483	4.473
gamma-BHC (Lindane)	4.787	4.787	4.788	4.787	4.786	4.788					4.777 - 4.797	4.787
beta-BHC	4.861	4.862	4.861	4.861	4.861	4.863					4.851 - 4.871	4.862
delta-BHC	5.098	5.097	5.097	5.097	5.096	5.099					5.087 - 5.107	5.097
Heptachlor	5.140	5.141	5.140	5.141	5.140	5.142					5.131 - 5.151	5.141
Aldrin	5.418	5.418	5.418	5.418	5.417	5.421					5.408 - 5.428	5.418
Isodrin	5.792	5.792	5.792	5.792	5.791	5.796					5.782 - 5.802	5.793
Heptachlor epoxide	5.976	5.977	5.977	5.976	5.976	5.981					5.966 - 5.986	5.977
gamma-Chlordane	6.177	6.177	6.177	6.176	6.176	6.181					6.166 - 6.186	6.177
alpha-Chlordane	6.330	6.332	6.331	6.331	6.330	6.334					6.321 - 6.341	6.331
Endosulfan I	6.389	6.389	6.389	6.389	6.389	6.393					6.379 - 6.399	6.390
4,4'-DDE	6.507	6.507	6.507	6.507	6.506	6.512					6.497 - 6.517	6.508
Dieldrin	6.670	6.671	6.670	6.671	6.670	6.675					6.661 - 6.681	6.671
Endrin	6.977	6.977	6.976	6.976	6.976	6.981					6.966 - 6.986	6.977
4,4'-DDD	7.089	7.088	7.088	7.087	7.087	7.092					7.077 - 7.097	7.089
Endosulfan II	7.185	7.185	7.184	7.184	7.184	7.188					7.174 - 7.194	7.185
4,4'-DDT	7.390	7.390	7.389	7.390	7.389	7.394					7.380 - 7.400	7.390
Endrin aldehyde	7.510	7.511	7.509	7.511	7.510	7.514					7.501 - 7.521	7.511
Endosulfan sulfate	7.769	7.768	7.768	7.768	7.768	7.772					7.758 - 7.778	7.769
Methoxychlor	8.036	8.037	8.036	8.036	8.036	8.038					8.026 - 8.046	8.037
Mirex	8.221	8.222	8.221	8.221	8.221	8.225					8.211 - 8.231	8.222
Endrin ketone	8.261	8.262	8.260	8.261	8.261	8.264					8.251 - 8.271	8.262
Tetrachloro-m-xylene	3.847	3.848	3.848	3.847	3.847	3.848					3.837 - 3.857	3.848
DCB Decachlorobiphenyl	9.424	9.422	9.423	9.423	9.423	9.428					9.413 - 9.433	9.424

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 176155

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/28/2013 13:37 Calibration End Date: 05/28/2013 15:00 Calibration ID: 14223

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-176155/15	0528A015.D
Level 2	STD2 280-176155/14	0528A014.D
Level 3	STD3 280-176155/13	0528A013.D
Level 4	STD4 280-176155/12	0528A012.D
Level 5	STD5 280-176155/11	0528A011.D
Level 6	STD6 280-176155/10	0528A010.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Hexachlorobenzene	1571401 1368817	1490952 1341668	1439358	1308596	Lin2	965210.475	1350422.28							0.9990		0.9900
alpha-BHC	1896597 1830619	1901138 1717789	1908445	1710919	Lin2	562357.758	1786969.68							0.9970		0.9900
gamma-BHC (Lindane)	1686314 1589046	1684692 1481422	1682586	1487626	Lin2	665291.509	1553898.97							0.9970		0.9900
beta-BHC	787449 665306	739129 619865	718935	629004	Lin2	615439.170	648832.773							0.9960		0.9900
delta-BHC	1703914 1624789	1698480 1518828	1708512	1519857	Lin2	586199.189	1586726.87							0.9970		0.9900
Heptachlor	1558559 1388086	1528282 1268308	1515665	1315774	Lin2	950263.988	1360481.91							0.9950		0.9900
Aldrin	1588681 1481241	1562764 1386934	1558546	1388425	Lin2	680498.843	1445284.60							0.9970		0.9900
Isodrin	1556902 1379277	1498264 1285373	1470699	1304236	Lin2	958999.471	1346530.79							0.9970		0.9900
Heptachlor epoxide	1545629 1335016	1475236 1236053	1433961	1261198	Lin2	1107634.11	1301186.41							0.9960		0.9900
gamma-Chlordane	1546389 1396612	1488092 1299448	1465957	1308528	Lin2	864260.359	1355085.35							0.9970		0.9900
alpha-Chlordane	1510547 1344459	1447605 1262153	1415127	1273686	Lin2	895370.075	1310930.30							0.9980		0.9900
Endosulfan I	1393182 1214576	1335946 1123375	1305206	1168249	Lin2	926768.300	1189822.56							0.9970		0.9900
4,4'-DDE	1505402 1408531	1464352 1344902	1450228	1343602	Lin2	569860.586	1378346.25							0.9990		0.9900
Dieldrin	1525173 1370740	1465025 1282127	1441770	1300428	Lin2	850260.645	1336136.18							0.9980		0.9900
Endrin	1160883 1077055	1123391 1013798	1117715	1002112	Lin2	522737.968	1044739.07							0.9980		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 176155

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/28/2013 13:37 Calibration End Date: 05/28/2013 15:00 Calibration ID: 14223

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDD	1204008 1093239	1159106 1047640	1133198	1063615	Lin2	566188.337	1075909.66							0.9990		0.9900
Endosulfan II	1334907 1133948	1259397 1057540	1224434	1107784	Lin2	975488.942	1115882.92							0.9970		0.9900
4,4'-DDT	1017779 974068	977611 944189	971820	927998	Lin2	280731.774	948635.852							1.0000		0.9900
Endrin aldehyde	1183665 980811	1095299 920041	1040107	954410	Lin2	977255.762	958475.970							0.9980		0.9900
Endosulfan sulfate	1201238 1020816	1117698 968189	1067109	982318	Lin2	886804.926	995514.344							0.9990		0.9900
Methoxychlor	536154 454252	488984 450248	464805	440436	Lin2	371552.302	445645.522							1.0000		0.9900
Mirex	932860 736109	834290 705628	770933	713751	Lin2	911820.209	716408.058							0.9990		0.9900
Endrin ketone	1298674 1126371	1218037 1076700	1166200	1095168	Lin2	842073.824	1102708.39							0.9990		0.9900
Tetrachloro-m-xylene	1503445 1332395	1429017 1297310	1388536	1295936	Lin2	813470.446	1315689.05							0.9990		0.9900
DCB Decachlorobiphenyl	908183 706327	811005 700632	744965	699051	Lin2	880434.794	698106.784							0.9990		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 176155

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/28/2013 13:37 Calibration End Date: 05/28/2013 15:00 Calibration ID: 14223

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-176155/15	0528A015.D
Level 2	STD2 280-176155/14	0528A014.D
Level 3	STD3 280-176155/13	0528A013.D
Level 4	STD4 280-176155/12	0528A012.D
Level 5	STD5 280-176155/11	0528A011.D
Level 6	STD6 280-176155/10	0528A010.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Hexachlorobenzene	Lin2	6285605 134166781	14909517	35983938	65429822	102661261	4.00 100	10.0	25.0	50.0	75.0
alpha-BHC	Lin2	7586389 171778855	19011375	47711133	85545944	137296420	4.00 100	10.0	25.0	50.0	75.0
gamma-BHC (Lindane)	Lin2	6745257 148142216	16846921	42064651	74381309	119178455	4.00 100	10.0	25.0	50.0	75.0
beta-BHC	Lin2	3149797 61986502	7391288	17973365	31450185	49897918	4.00 100	10.0	25.0	50.0	75.0
delta-BHC	Lin2	6815657 151882830	16984799	42712800	75992868	121859180	4.00 100	10.0	25.0	50.0	75.0
Heptachlor	Lin2	6234235 126830791	15282815	37891619	65788676	104106458	4.00 100	10.0	25.0	50.0	75.0
Aldrin	Lin2	6354724 138693400	15627638	38963648	69421260	111093038	4.00 100	10.0	25.0	50.0	75.0
Isodrin	Lin2	6227606 128537349	14982636	36767483	65211796	103445802	4.00 100	10.0	25.0	50.0	75.0
Heptachlor epoxide	Lin2	6182514 123605335	14752358	35849026	63059912	100126224	4.00 100	10.0	25.0	50.0	75.0
gamma-Chlordane	Lin2	6185554 129944819	14880920	36648919	65426382	104745888	4.00 100	10.0	25.0	50.0	75.0
alpha-Chlordane	Lin2	6042187 126215285	14476046	35378174	63684279	100834409	4.00 100	10.0	25.0	50.0	75.0
Endosulfan I	Lin2	5572728 112337511	13359461	32630160	58412462	91093208	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDE	Lin2	6021608 134490189	14643517	36255711	67180124	105639794	4.00 100	10.0	25.0	50.0	75.0
Dieldrin	Lin2	6100692 128212688	14650252	36044262	65021382	102805512	4.00 100	10.0	25.0	50.0	75.0
Endrin	Lin2	4643533 101379764	11233908	27942869	50105624	80779144	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDD	Lin2	4816033 104763965	11591062	28329957	53180728	81992948	4.00 100	10.0	25.0	50.0	75.0

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-42047-1 Analy Batch No.: 176155

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 05/28/2013 13:37 Calibration End Date: 05/28/2013 15:00 Calibration ID: 14223

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endosulfan II	Lin2	5339628 105753983	12593966	30610855	55389201	85046080	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDT	Lin2	4071115 94418903	9776110	24295510	46399915	73055105	4.00 100	10.0	25.0	50.0	75.0
Endrin aldehyde	Lin2	4734661 92004058	10952991	26002683	47720494	73560839	4.00 100	10.0	25.0	50.0	75.0
Endosulfan sulfate	Lin2	4804953 96818949	11176981	26677717	49115904	76561170	4.00 100	10.0	25.0	50.0	75.0
Methoxychlor	Lin2	2144615 45024826	4889838	11620120	22021820	34068909	4.00 100	10.0	25.0	50.0	75.0
Mirex	Lin2	3731440 70562754	8342896	19273337	35687565	55208139	4.00 100	10.0	25.0	50.0	75.0
Endrin ketone	Lin2	5194695 107670035	12180365	29154991	54758394	84477817	4.00 100	10.0	25.0	50.0	75.0
Tetrachloro-m-xylene	Lin2	6013780 129730969	14290168	34713389	64796784	99929659	4.00 100	10.0	25.0	50.0	75.0
DCB Decachlorobiphenyl	Lin2	3632732 70063188	8110054	18624114	34952533	52974521	4.00 100	10.0	25.0	50.0	75.0

Curve Type Legend:
Lin2 = Linear 1/conc^2

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A010.D
Lims ID: STD6 AB Client ID:
Inject. Date: 28-May-2013 13:37:55 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD6 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 176155 Lims Sample ID: 10
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\8081 P2.m
Last Update: 29-May-2013 10:10:58 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: DENPC356

First Level Reviewer: pavlakoa Date: 29-May-2013 10:10:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						374.5			
2						377.5			
						RPD = 0.81			
$ 7 Tetrachloro-m-xylene									
1	100	3.777	3.771	0.006	114025141	97.3			
2	2	3.848	3.847	0.001	129730969	98.0			
						RPD = 0.72			
8 Hexachlorobenzene									
1	100	4.188	4.181	0.007	130443522	97.1			
2	2	4.329	4.328	0.001	134166781	98.6			
						RPD = 1.55			
10 alpha-BHC									
1	-65	4.357	4.349	0.008	131167022	94.3			
2	2	4.473	4.473	0.000	171778855	95.8			
						RPD = 1.61			
11 gamma-BHC (Lindane)									
1	-65	4.648	4.641	0.007	113906444	93.7			
2	2	4.788	4.787	0.001	148142216	94.9			
						RPD = 1.28			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									
1	100	4.726	4.718	0.008	47388741	93.2			
2	2	4.863	4.861	0.002	61986502	94.6			
						RPD = 1.51			
13 delta-BHC									
1	100	4.874	4.866	0.008	118370113	94.3			
2	2	5.099	5.097	0.002	151882830	95.4			
						RPD = 1.13			
15 Heptachlor									
1	100	5.048	5.041	0.007	99403204	92.4			
2	2	5.142	5.141	0.001	126830791	92.5			
						RPD = 0.18			
16 Aldrin									
1	-65	5.303	5.296	0.007	109316546	94.4			
2	2	5.421	5.418	0.003	138693400	95.5			
						RPD = 1.14			
18 Isodrin									
1	100	5.611	5.601	0.010	100086775	93.6			
2	2	5.796	5.792	0.004	128537349	94.7			
						RPD = 1.27			
22 Heptachlor epoxide									
1	-65	5.882	5.871	0.011	95451404	93.1			
2	2	5.981	5.976	0.005	123605335	94.1			
						RPD = 1.11			
23 gamma-Chlordane									
1	-65	6.015	6.005	0.010	102253873	94.7			
2	2	6.181	6.176	0.005	129944819	95.3			
						RPD = 0.62			
24 alpha-Chlordane									
1	-65	6.158	6.147	0.011	101112389	94.3			
2	2	6.334	6.331	0.003	126215285	95.6			
						RPD = 1.32			
25 4,4'-DDE									
1	-65	6.240	6.230	0.010	116362143	96.5			
2	2	6.512	6.507	0.005	134490189	97.2			
						RPD = 0.69			
26 Endosulfan I									
1	100	6.298	6.288	0.010	92023117	92.5			
2	2	6.393	6.389	0.004	112337511	93.6			
						RPD = 1.24			
28 Dieldrin									
1	100	6.543	6.533	0.010	101110921	93.8			
2	2	6.675	6.671	0.004	128212688	95.3			
						RPD = 1.64			
30 Endrin									
1	-65	6.774	6.766	0.008	78416864	90.9			
2	2	6.981	6.976	0.005	101379764	96.5			
						RPD = 6.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
32 4,4'-DDD									
1	100	6.841	6.831	0.010	80455143	94.4			
2	2	7.092	7.087	0.005	104763965	96.8			
						RPD = 2.51			
34 Endosulfan II									
1	100	6.994	6.985	0.009	84565051	92.8			
2	2	7.188	7.184	0.004	105753983	93.9			
						RPD = 1.18			
35 4,4'-DDT									
1	-65	7.115	7.106	0.009	83398734	97.5			
2	2	7.394	7.390	0.004	94418903	99.2			
						RPD = 1.72			
36 Endrin aldehyde									
1	-65	7.398	7.388	0.010	74507560	93.7			
2	2	7.514	7.511	0.003	92004058	95.0			
						RPD = 1.40			
37 Methoxychlor									
1	-65	7.575	7.567	0.008	40756162	97.2			
2	2	8.038	8.036	0.002	45024826	100.2			
						RPD = 3.02			
38 Mirex									
1	100	7.716	7.706	0.010	62939863	96.1			
2	2	8.225	8.221	0.004	70562754	97.2			
						RPD = 1.13			
39 Endosulfan sulfate									
1	-65	7.806	7.796	0.010	78463553	95.4			
2	2	7.772	7.768	0.004	96818949	96.4			
						RPD = 1.04			
40 Endrin ketone									
1	-65	8.064	8.056	0.008	90680696	95.4			
2	2	8.264	8.261	0.003	107670035	96.9			
						RPD = 1.54			
$ 41 DCB Decachlorobiphenyl									
1	1	8.975	8.967	0.008	75039110	98.9			
2	2	9.428	9.423	0.005	70063188	99.1			
						RPD = 0.20			

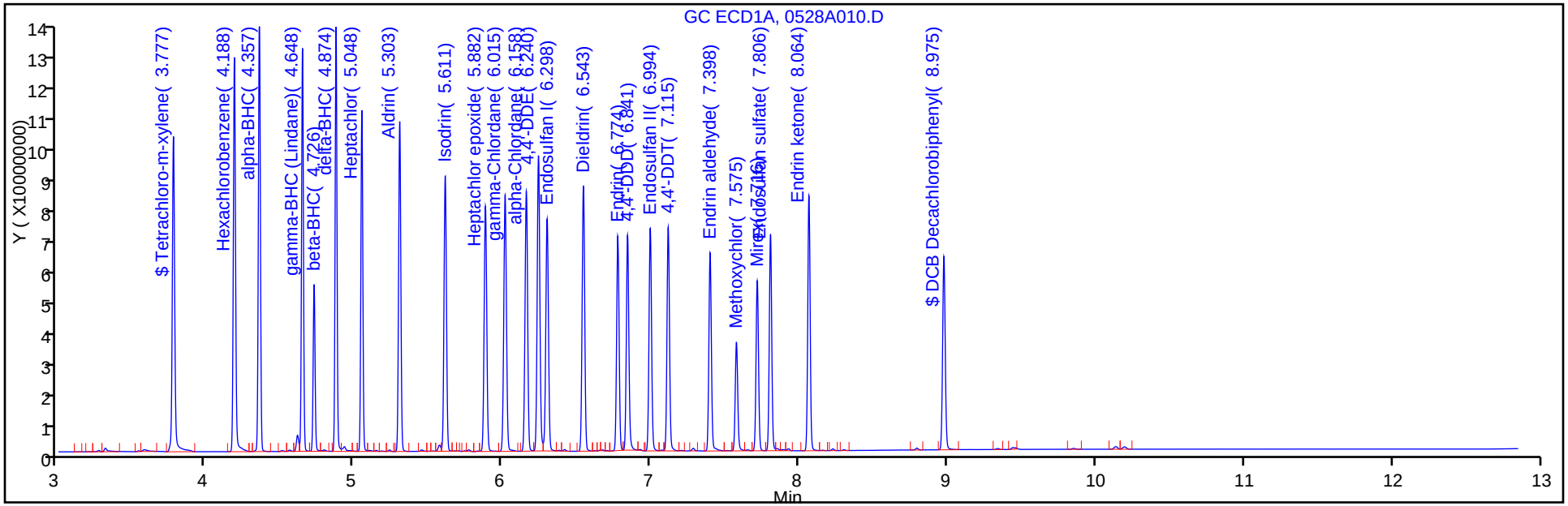
Report Date: 29-May-2013 10:10:59 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

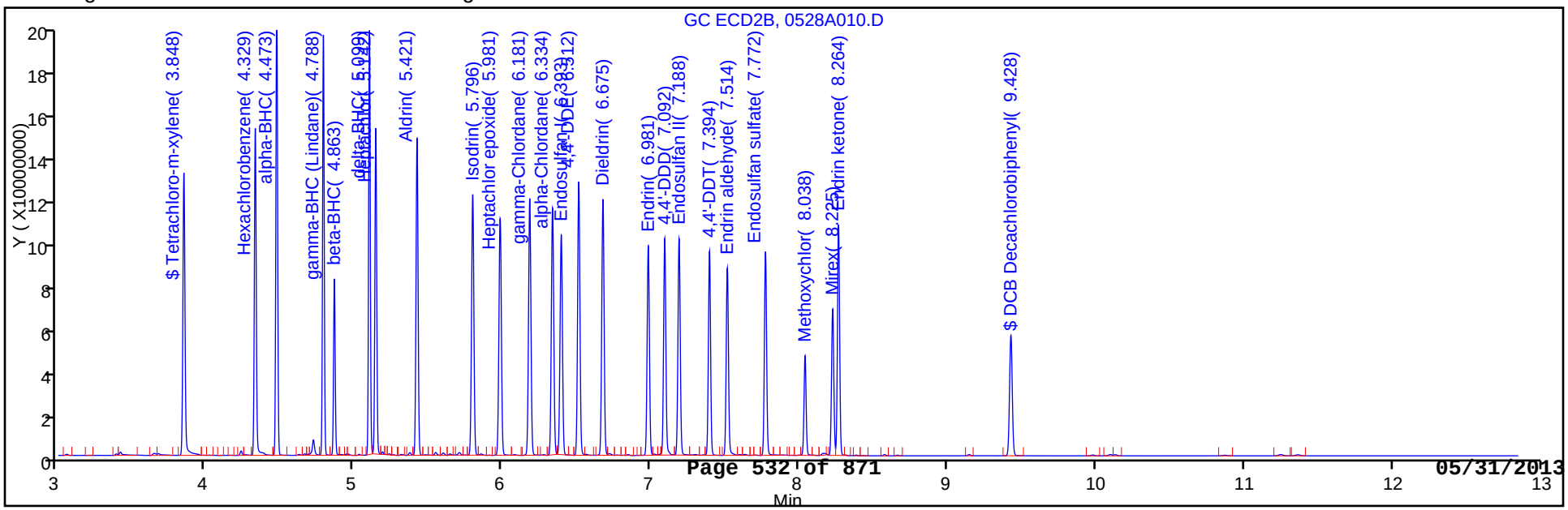
Data File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A010.D

Injection Date:	28-May-2013 13:37:55	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176155	Lims Sample ID:	10
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A011.D		
Lims ID:	STD5 AB	Client ID:	
Inject. Date:	28-May-2013 13:54:26	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD5 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	176155	Lims Sample ID:	11
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\8081 P2.m		
Last Update:	29-May-2013 10:08:28	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC356		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						304.9			
2						304.8			
						RPD = 0.01			
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.771	0.000	88612353	75.5			
2	2	3.847	3.847	0.000	99929659	75.3			
						RPD = 0.18			
8 Hexachlorobenzene									
1	100	4.181	4.181	0.000	101955710	75.7			
2	2	4.328	4.328	0.000	102661261	75.3			
						RPD = 0.56			
10 alpha-BHC									
1	-65	4.350	4.349	0.001	106182620	76.2			
2	2	4.473	4.473	0.000	137296420	76.5			
						RPD = 0.36			
11 gamma-BHC (Lindane)									
1	-65	4.641	4.641	0.000	92782502	76.2			
2	2	4.786	4.787	-0.001	119178455	76.3			
						RPD = 0.09			
12 beta-BHC									
1	100	4.719	4.718	0.001	38784342	76.0			
2	2	4.861	4.861	0.000	49897918	76.0			
						RPD = 0.07			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.867	4.866	0.001	96198049	76.5			
2	2	5.096	5.097	-0.001	121859180	76.4			
						RPD = 0.13			
15 Heptachlor									
1	100	5.041	5.041	0.000	82053113	76.1			
2	2	5.140	5.141	-0.001	104106458	75.8			
						RPD = 0.37			
16 Aldrin									
1	-65	5.295	5.296	-0.001	88260849	76.1			
2	2	5.417	5.418	-0.001	111093038	76.4			
						RPD = 0.37			
18 Isodrin									
1	100	5.601	5.601	0.000	81666002	76.2			
2	2	5.791	5.792	-0.001	103445802	76.1			
						RPD = 0.09			
22 Heptachlor epoxide									
1	-65	5.872	5.871	0.001	77775146	75.7			
2	2	5.976	5.976	0.000	100126224	76.1			
						RPD = 0.56			
23 gamma-Chlordane									
1	-65	6.003	6.005	-0.002	82892270	76.6			
2	2	6.176	6.176	0.000	104745888	76.7			
						RPD = 0.07			
24 alpha-Chlordane									
1	-65	6.146	6.147	-0.001	82110838	76.5			
2	2	6.330	6.331	-0.001	100834409	76.2			
						RPD = 0.31			
25 4,4'-DDE									
1	-65	6.229	6.230	-0.001	91868148	76.1			
2	2	6.506	6.507	-0.001	105639794	76.2			
						RPD = 0.19			
26 Endosulfan I									
1	100	6.288	6.288	0.000	75006085	75.2			
2	2	6.389	6.389	0.000	91093208	75.8			
						RPD = 0.76			
28 Dieldrin									
1	100	6.532	6.533	-0.001	82098832	76.0			
2	2	6.670	6.671	-0.001	102805512	76.3			
						RPD = 0.39			
30 Endrin									
1	-65	6.766	6.766	0.000	63129053	73.1			
2	2	6.976	6.976	0.000	80779144	76.8			
						RPD = 4.90			
32 4,4'-DDD									
1	100	6.832	6.831	0.001	64360591	75.4			
2	2	7.087	7.087	0.000	81992948	75.7			
						RPD = 0.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.985	6.985	0.000	68746552	75.3			
2	2	7.184	7.184	0.000	85046080	75.3			
						RPD = 0.11			
35 4,4'-DDT									
1	-65	7.106	7.106	0.000	65187943	76.1			
2	2	7.389	7.390	-0.001	73055105	76.7			
						RPD = 0.74			
36 Endrin aldehyde									
1	-65	7.389	7.388	0.001	60119224	75.4			
2	2	7.510	7.511	-0.001	73560839	75.7			
						RPD = 0.50			
37 Methoxychlor									
1	-65	7.568	7.567	0.001	31262424	74.4			
2	2	8.036	8.036	0.000	34068909	75.6			
						RPD = 1.68			
38 Mirex									
1	100	7.708	7.706	0.002	49546010	75.4			
2	2	8.221	8.221	0.000	55208139	75.8			
						RPD = 0.51			
39 Endosulfan sulfate									
1	-65	7.797	7.796	0.001	62562435	75.8			
2	2	7.768	7.768	0.000	76561170	76.0			
						RPD = 0.22			
40 Endrin ketone									
1	-65	8.056	8.056	0.000	71648824	75.2			
2	2	8.261	8.261	0.000	84477817	75.8			
						RPD = 0.87			
$ 41 DCB Decachlorobiphenyl									
1	1	8.968	8.967	0.001	56841029	74.7			
2	2	9.423	9.423	0.000	52974521	74.6			
						RPD = 0.04			

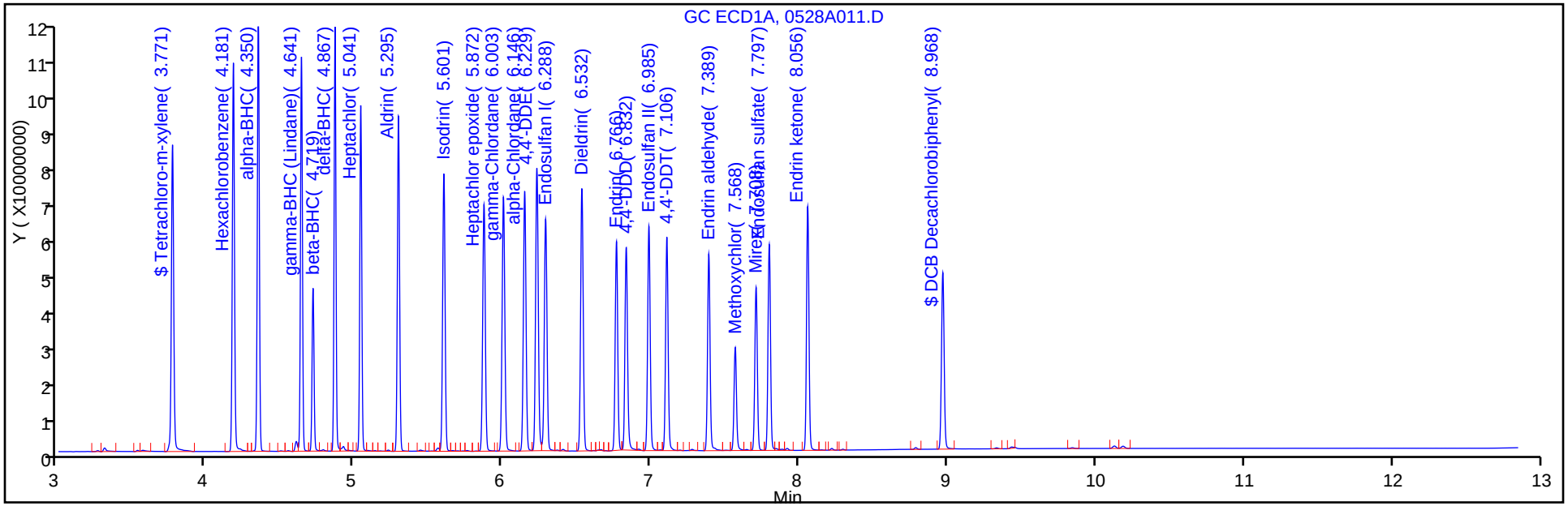
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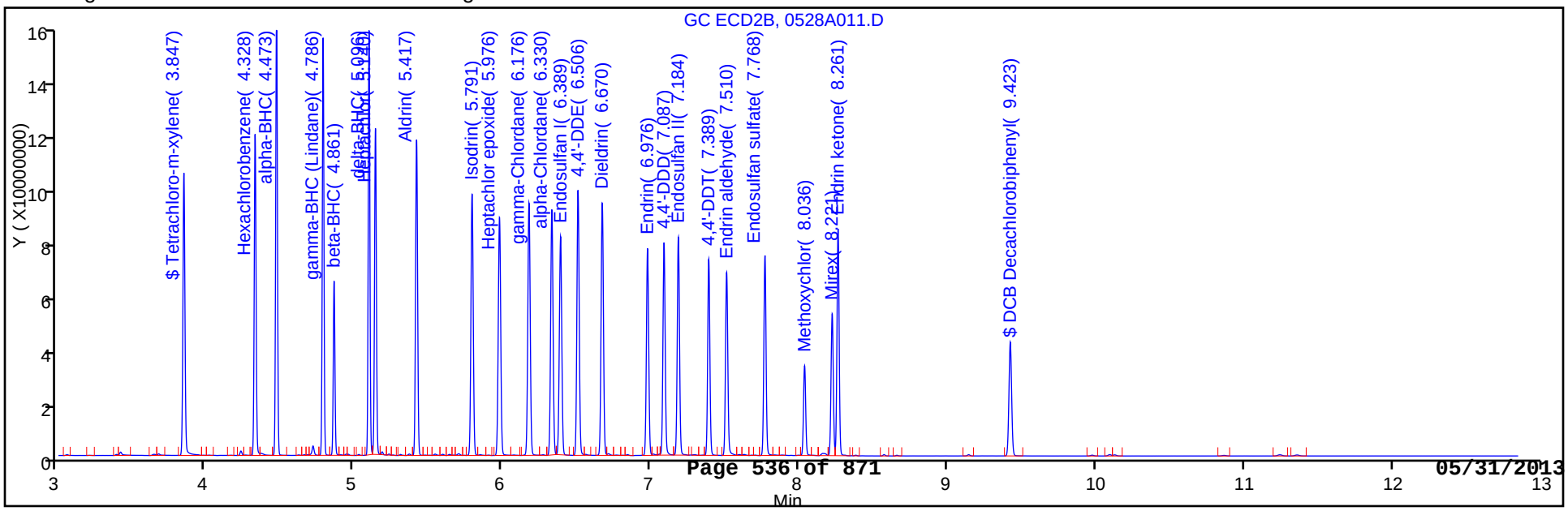
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Injection Date:	28-May-2013 13:54:26	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176155	Lims Sample ID:	11
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A012.D
Lims ID: STD4 AB Client ID:
Inject. Date: 28-May-2013 14:10:59 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD4 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 176155 Lims Sample ID: 12
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\8081 P2.m
Last Update: 29-May-2013 10:08:29 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: DENPC356

First Level Reviewer: pavlakoa Date: 29-May-2013 09:54:29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						191.0			
2						190.8			
						RPD = 0.12			
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.771	0.000	57461988	48.7			
2	2	3.847	3.847	0.000	64796784	48.6			
						RPD = 0.19			
8 Hexachlorobenzene									
1	100	4.181	4.181	0.000	65422464	48.3			
2	2	4.328	4.328	0.000	65429822	47.7			
						RPD = 1.19			
10 alpha-BHC									
1	-65	4.349	4.349	0.000	66940330	47.9			
2	2	4.473	4.473	0.000	85545944	47.6			
						RPD = 0.72			
11 gamma-BHC (Lindane)									
1	-65	4.641	4.641	0.000	58492355	47.8			
2	2	4.787	4.787	0.000	74381309	47.4			
						RPD = 0.76			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									
1	100	4.718	4.718	0.000	24590400	47.7			
2	2	4.861	4.861	0.000	31450185	47.5			
						RPD = 0.37			
13 delta-BHC									
1	100	4.866	4.866	0.000	60212723	47.7			
2	2	5.097	5.097	0.000	75992868	47.5			
						RPD = 0.41			
15 Heptachlor									
1	100	5.041	5.041	0.000	51602611	47.6			
2	2	5.141	5.141	0.000	65788676	47.7			
						RPD = 0.18			
16 Aldrin									
1	-65	5.296	5.296	0.000	55886860	48.0			
2	2	5.418	5.418	0.000	69421260	47.6			
						RPD = 0.88			
18 Isodrin									
1	100	5.601	5.601	0.000	51554480	47.8			
2	2	5.792	5.792	0.000	65211796	47.7			
						RPD = 0.14			
22 Heptachlor epoxide									
1	-65	5.871	5.871	0.000	49447840	47.7			
2	2	5.976	5.976	0.000	63059912	47.6			
						RPD = 0.29			
23 gamma-Chlordane									
1	-65	6.005	6.005	0.000	51991734	47.8			
2	2	6.176	6.176	0.000	65426382	47.6			
						RPD = 0.29			
24 alpha-Chlordane									
1	-65	6.147	6.147	0.000	51774508	47.9			
2	2	6.331	6.331	0.000	63684279	47.9			
						RPD = 0.08			
25 4,4'-DDE									
1	-65	6.230	6.230	0.000	58982007	48.7			
2	2	6.507	6.507	0.000	67180124	48.3			
						RPD = 0.72			
26 Endosulfan I									
1	100	6.288	6.288	0.000	48622600	48.4			
2	2	6.389	6.389	0.000	58412462	48.3			
						RPD = 0.21			
28 Dieldrin									
1	100	6.533	6.533	0.000	52404180	48.3			
2	2	6.671	6.671	0.000	65021382	48.0			
						RPD = 0.49			
30 Endrin									
1	-65	6.766	6.766	0.000	39797068	46.1			
2	2	6.976	6.976	0.000	50105624	47.5			
						RPD = 2.88			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
32 4,4'-DDD									
1	100	6.831	6.831	0.000	42284469	49.2			
2	2	7.087	7.087	0.000	53180728	48.9			
						RPD = 0.70			
34 Endosulfan II									
1	100	6.985	6.985	0.000	44915642	48.8			
2	2	7.184	7.184	0.000	55389201	48.8			
						RPD = 0.15			
35 4,4'-DDT									
1	-65	7.106	7.106	0.000	41745439	48.6			
2	2	7.390	7.390	0.000	46399915	48.6			
						RPD = 0.01			
36 Endrin aldehyde									
1	-65	7.388	7.388	0.000	39420620	49.0			
2	2	7.511	7.511	0.000	47720494	48.8			
						RPD = 0.51			
37 Methoxychlor									
1	-65	7.567	7.567	0.000	20826250	49.2			
2	2	8.036	8.036	0.000	22021820	48.6			
						RPD = 1.33			
38 Mirex									
1	100	7.706	7.706	0.000	32381786	48.9			
2	2	8.221	8.221	0.000	35687565	48.5			
						RPD = 0.63			
39 Endosulfan sulfate									
1	-65	7.796	7.796	0.000	40503145	48.8			
2	2	7.768	7.768	0.000	49115904	48.4			
						RPD = 0.68			
40 Endrin ketone									
1	-65	8.056	8.056	0.000	47162501	49.2			
2	2	8.261	8.261	0.000	54758394	48.9			
						RPD = 0.59			
$ 41 DCB Decachlorobiphenyl									
1	1	8.967	8.967	0.000	37595616	49.0			
2	2	9.423	9.423	0.000	34952533	48.8			
						RPD = 0.41			

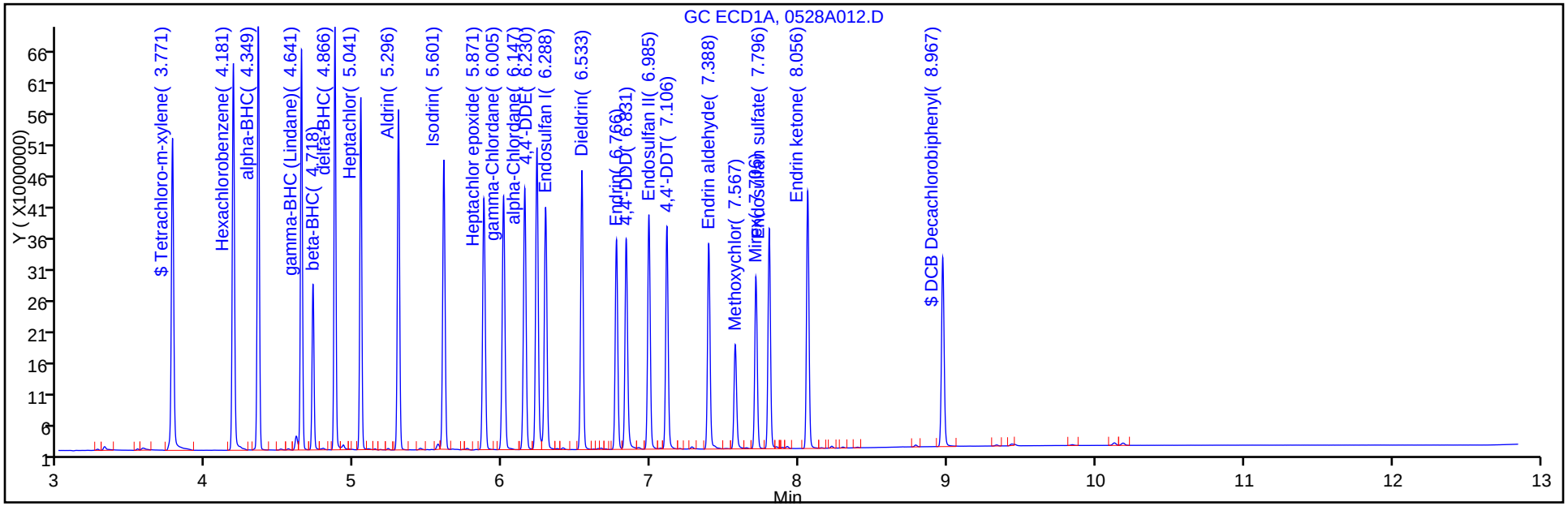
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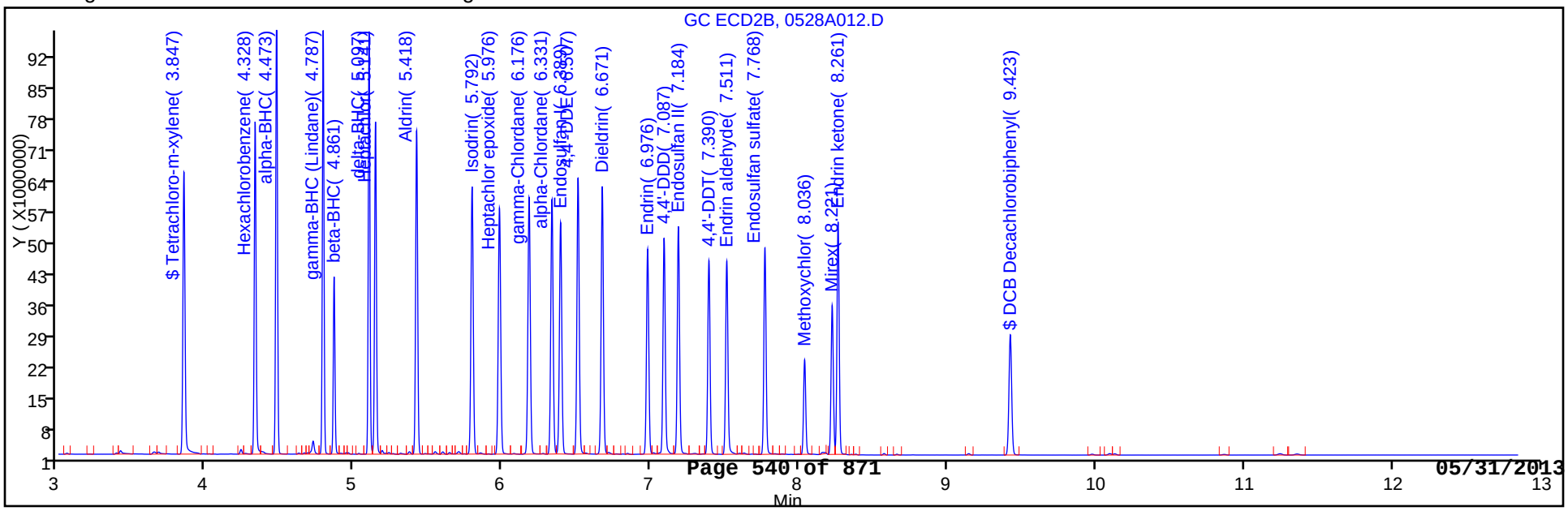
Data File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A012.D

Injection Date:	28-May-2013 14:10:59	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176155	Lims Sample ID:	12
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A013.D		
Lims ID:	STD3 AB	Client ID:	
Inject. Date:	28-May-2013 14:27:38	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD3 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	176155	Lims Sample ID:	13
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\8081 P2.m		
Last Update:	29-May-2013 10:08:31	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC356		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						107.2			
2						106.6			
						RPD = 0.57			
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.771	-0.001	30881232	25.9			
2	2	3.848	3.847	0.001	34713389	25.8			
						RPD = 0.53			
8 Hexachlorobenzene									
1	100	4.181	4.181	0.000	35604283	25.9			
2	2	4.328	4.328	0.000	35983938	25.9			
						RPD = 0.02			
10 alpha-BHC									
1	-65	4.349	4.349	0.000	37537838	26.7			
2	2	4.473	4.473	0.000	47711133	26.4			
						RPD = 1.06			
11 gamma-BHC (Lindane)									
1	-65	4.641	4.641	0.000	33080102	26.8			
2	2	4.788	4.787	0.001	42064651	26.6			
						RPD = 0.43			
12 beta-BHC									
1	100	4.718	4.718	0.000	14086732	26.8			
2	2	4.861	4.861	0.000	17973365	26.8			
						RPD = 0.00			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.868	4.866	0.002	33884719	26.6			
2	2	5.097	5.097	0.000	42712800	26.5			
						RPD = 0.33			
15 Heptachlor									
1	100	5.041	5.041	0.000	29742150	27.1			
2	2	5.140	5.141	-0.001	37891619	27.2			
						RPD = 0.24			
16 Aldrin									
1	-65	5.296	5.296	0.000	31309720	26.6			
2	2	5.418	5.418	0.000	38963648	26.5			
						RPD = 0.51			
18 Isodrin									
1	100	5.602	5.601	0.001	29236719	26.7			
2	2	5.792	5.792	0.000	36767483	26.6			
						RPD = 0.54			
22 Heptachlor epoxide									
1	-65	5.872	5.871	0.001	28384433	27.0			
2	2	5.977	5.976	0.001	35849026	26.7			
						RPD = 1.05			
23 gamma-Chlordane									
1	-65	6.004	6.005	-0.001	29291050	26.6			
2	2	6.177	6.176	0.001	36648919	26.4			
						RPD = 0.76			
24 alpha-Chlordane									
1	-65	6.148	6.147	0.001	28978141	26.5			
2	2	6.331	6.331	0.000	35378174	26.3			
						RPD = 0.72			
25 4,4'-DDE									
1	-65	6.230	6.230	0.000	31697939	25.9			
2	2	6.507	6.507	0.000	36255711	25.9			
						RPD = 0.19			
26 Endosulfan I									
1	100	6.289	6.288	0.001	27393248	26.9			
2	2	6.389	6.389	0.000	32630160	26.6			
						RPD = 0.81			
28 Dieldrin									
1	100	6.533	6.533	0.000	29172987	26.6			
2	2	6.670	6.671	-0.001	36044262	26.3			
						RPD = 0.82			
30 Endrin									
1	-65	6.767	6.766	0.001	22456979	26.0			
2	2	6.976	6.976	0.000	27942869	26.2			
						RPD = 0.87			
32 4,4'-DDD									
1	100	6.833	6.831	0.002	22977748	26.4			
2	2	7.088	7.087	0.001	28329957	25.8			
						RPD = 2.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.986	6.985	0.001	24990994	26.7			
2	2	7.184	7.184	0.000	30610855	26.6			
						RPD = 0.70			
35 4,4'-DDT									
1	-65	7.106	7.106	0.000	22257665	25.7			
2	2	7.389	7.390	-0.001	24295510	25.3			
						RPD = 1.59			
36 Endrin aldehyde									
1	-65	7.390	7.388	0.002	21606728	26.4			
2	2	7.509	7.511	-0.002	26002683	26.1			
						RPD = 0.95			
37 Methoxychlor									
1	-65	7.568	7.567	0.001	11121068	25.9			
2	2	8.036	8.036	0.000	11620120	25.2			
						RPD = 2.44			
38 Mirex									
1	100	7.708	7.706	0.002	17578501	25.9			
2	2	8.221	8.221	0.000	19273337	25.6			
						RPD = 1.23			
39 Endosulfan sulfate									
1	-65	7.797	7.796	0.001	22084767	26.2			
2	2	7.768	7.768	0.000	26677717	25.9			
						RPD = 1.01			
40 Endrin ketone									
1	-65	8.058	8.056	0.002	25357247	26.0			
2	2	8.260	8.261	-0.001	29154991	25.7			
						RPD = 1.36			
$ 41 DCB Decachlorobiphenyl									
1	1	8.968	8.967	0.001	19931968	25.5			
2	2	9.423	9.423	0.000	18624114	25.4			
						RPD = 0.20			

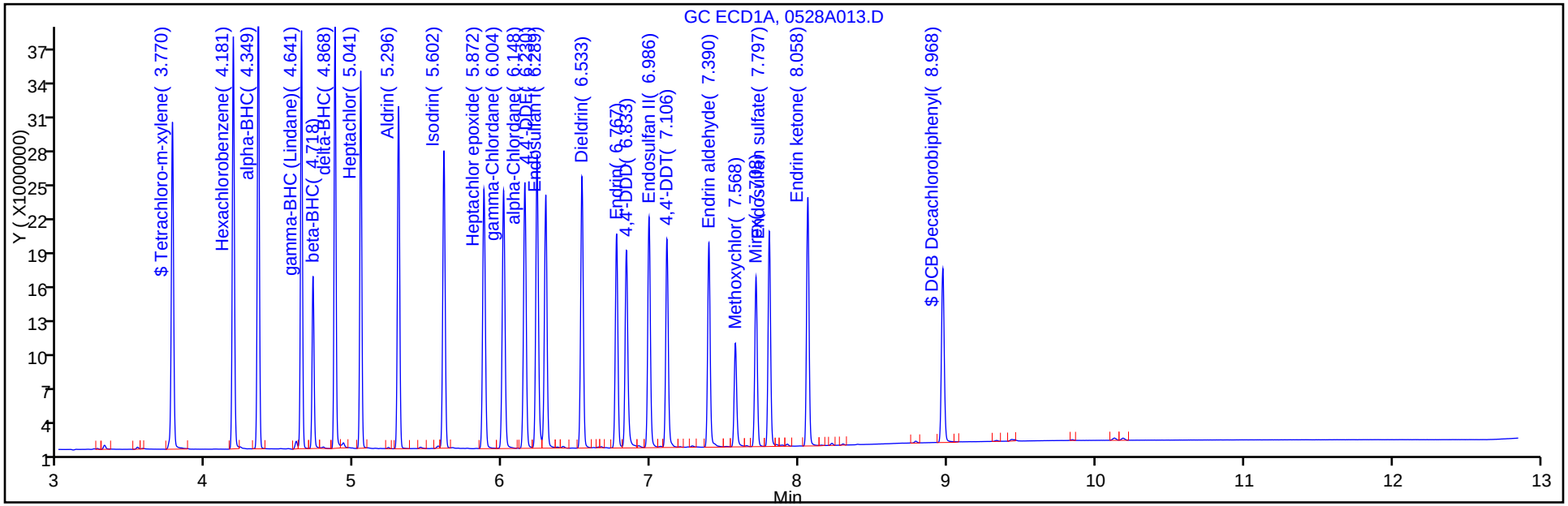
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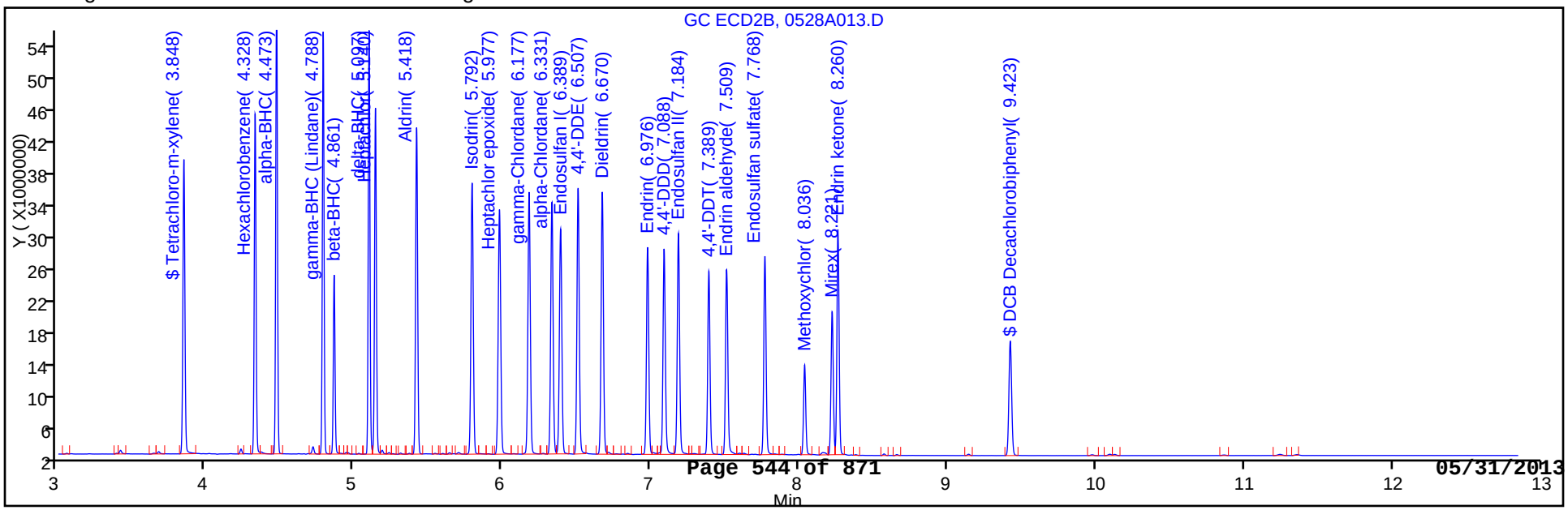
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Injection Date:	28-May-2013 14:27:38	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176155	Lims Sample ID:	13
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A014.D		
Lims ID:	STD2 AB	Client ID:	
Inject. Date:	28-May-2013 14:44:08	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	176155	Lims Sample ID:	14
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\8081 P2.m		
Last Update:	29-May-2013 10:08:33	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC356		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						41.8			
2						41.7			
						RPD = 0.16			
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.771	0.000	12615547	10.2			
2	2	3.848	3.847	0.001	14290168	10.2			
						RPD = 0.21			
8 Hexachlorobenzene									
1	100	4.182	4.181	0.001	14797415	10.3			
2	2	4.328	4.328	0.000	14909517	10.3			
						RPD = 0.18			
10 alpha-BHC									
1	-65	4.350	4.349	0.001	14966624	10.4			
2	2	4.473	4.473	0.000	19011375	10.3			
						RPD = 0.39			
11 gamma-BHC (Lindane)									
1	-65	4.641	4.641	0.000	13384514	10.4			
2	2	4.787	4.787	0.000	16846921	10.4			
						RPD = 0.30			
12 beta-BHC									
1	100	4.719	4.718	0.001	5991013	10.6			
2	2	4.862	4.861	0.001	7391288	10.4			
						RPD = 1.53			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.867	4.866	0.001	13576950	10.4			
2	2	5.097	5.097	0.000	16984799	10.3			
						RPD = 0.41			
15 Heptachlor									
1	100	5.041	5.041	0.000	12107587	10.6			
2	2	5.141	5.141	0.000	15282815	10.5			
						RPD = 0.29			
16 Aldrin									
1	-65	5.296	5.296	0.000	12605676	10.4			
2	2	5.418	5.418	0.000	15627638	10.3			
						RPD = 0.27			
18 Isodrin									
1	100	5.602	5.601	0.001	12009899	10.5			
2	2	5.792	5.792	0.000	14982636	10.4			
						RPD = 0.73			
22 Heptachlor epoxide									
1	-65	5.872	5.871	0.001	11708721	10.5			
2	2	5.977	5.976	0.001	14752358	10.5			
						RPD = 0.53			
23 gamma-Chlordane									
1	-65	6.005	6.005	0.000	11799620	10.3			
2	2	6.177	6.176	0.001	14880920	10.3			
						RPD = 0.49			
24 alpha-Chlordane									
1	-65	6.148	6.147	0.001	11857738	10.4			
2	2	6.332	6.331	0.001	14476046	10.4			
						RPD = 0.31			
25 4,4'-DDE									
1	-65	6.230	6.230	0.000	12826078	10.2			
2	2	6.507	6.507	0.000	14643517	10.2			
						RPD = 0.03			
26 Endosulfan I									
1	100	6.289	6.288	0.001	11377766	10.6			
2	2	6.389	6.389	0.000	13359461	10.4			
						RPD = 1.44			
28 Dieldrin									
1	100	6.533	6.533	0.000	11928802	10.4			
2	2	6.671	6.671	0.000	14650252	10.3			
						RPD = 1.11			
30 Endrin									
1	-65	6.767	6.766	0.001	9003964	10.4			
2	2	6.977	6.976	0.001	11233908	10.3			
						RPD = 1.74			
32 4,4'-DDD									
1	100	6.832	6.831	0.001	9365603	10.3			
2	2	7.088	7.087	0.001	11591062	10.2			
						RPD = 0.18			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.985	6.985	0.000	10319545	10.5			
2	2	7.185	7.184	0.001	12593966	10.4			
						RPD = 0.63			
35 4,4'-DDT									
1	-65	7.107	7.106	0.001	9021783	10.2			
2	2	7.390	7.390	0.000	9776110	10.0			
						RPD = 1.63			
36 Endrin aldehyde									
1	-65	7.391	7.388	0.003	9126991	10.5			
2	2	7.511	7.511	0.000	10952991	10.4			
						RPD = 0.71			
37 Methoxychlor									
1	-65	7.569	7.567	0.002	4669981	10.3			
2	2	8.037	8.036	0.001	4889838	10.1			
						RPD = 1.90			
38 Mirex									
1	100	7.708	7.706	0.002	7502343	10.4			
2	2	8.222	8.221	0.001	8342896	10.4			
						RPD = 0.16			
39 Endosulfan sulfate									
1	-65	7.797	7.796	0.001	9139395	10.3			
2	2	7.768	7.768	0.000	11176981	10.3			
						RPD = 0.52			
40 Endrin ketone									
1	-65	8.057	8.056	0.001	10614210	10.4			
2	2	8.262	8.261	0.001	12180365	10.3			
						RPD = 0.86			
$ 41 DCB Decachlorobiphenyl									
1	1	8.969	8.967	0.002	8543817	10.3			
2	2	9.422	9.423	-0.001	8110054	10.4			
						RPD = 0.63			

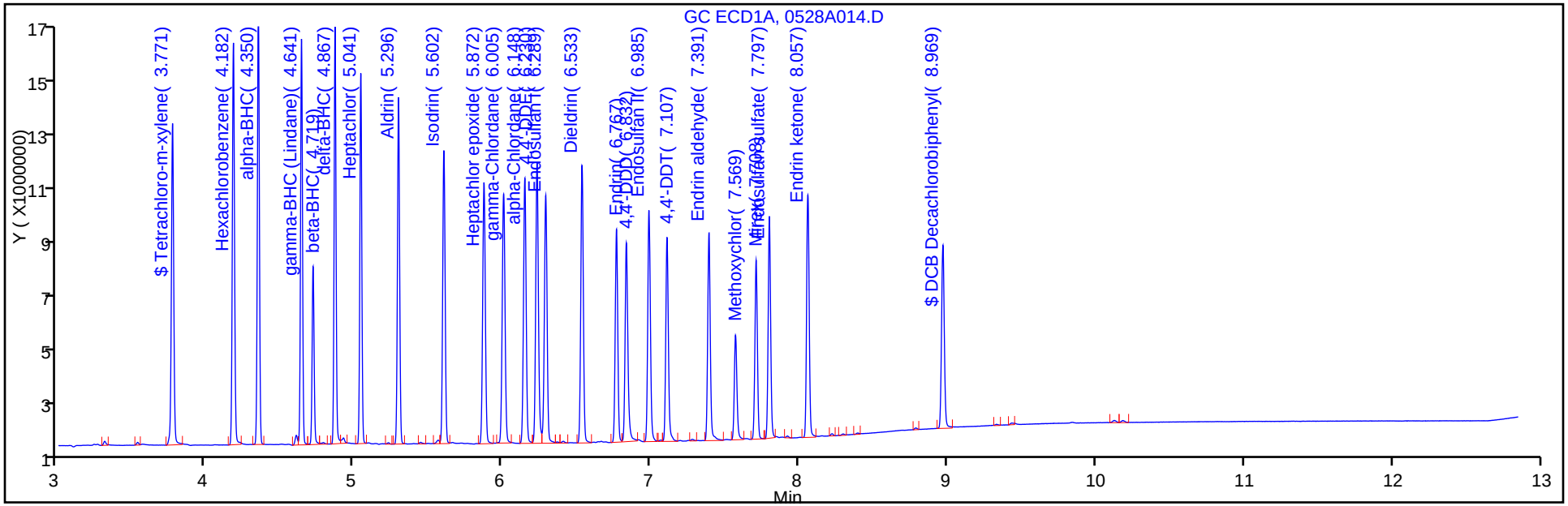
Report Date: 29-May-2013 10:08:33 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

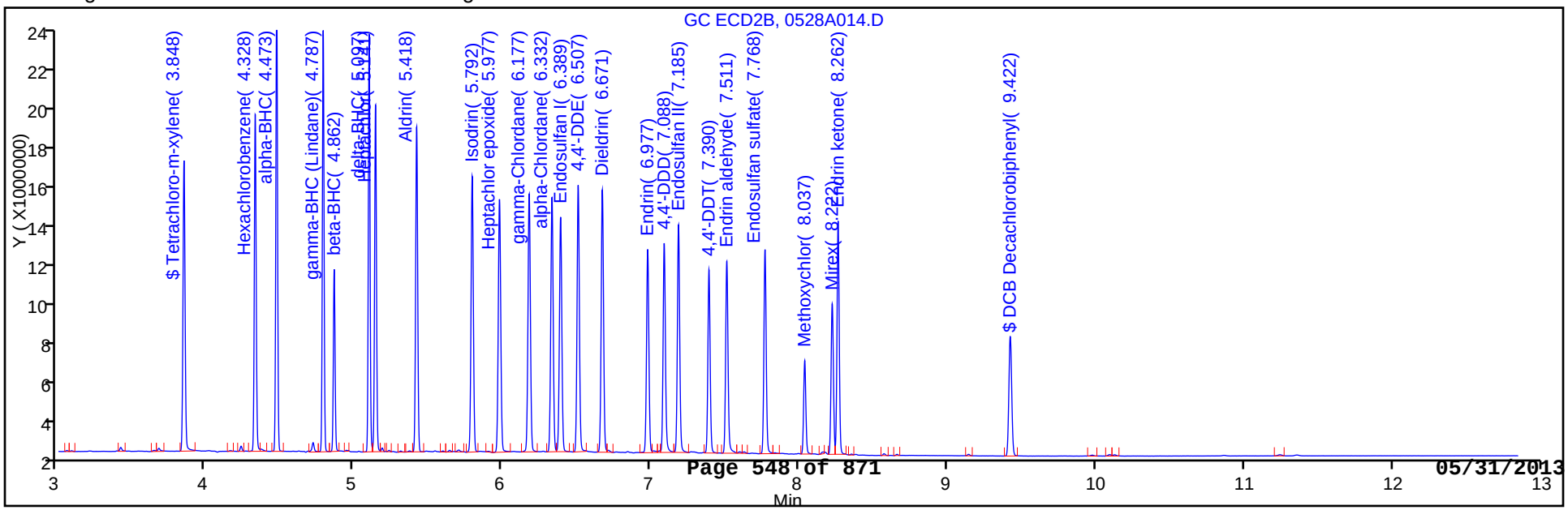
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Injection Date:	28-May-2013 14:44:08	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176155	Lims Sample ID:	14
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Lims ID: STD1 AB Client ID:
Inject. Date: 28-May-2013 15:00:41 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD1 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 176155 Lims Sample ID: 15
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\8081 P2.m
Last Update: 29-May-2013 10:08:34 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: DENPC356

First Level Reviewer: pavlakoa Date: 29-May-2013 09:56:21

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						15.6			
2						15.6			
						RPD = 0.15			
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.771	-0.001	5314002	3.95			
2	2	3.847	3.847	0.000	6013780	3.95			
						RPD = 0.00			
8 Hexachlorobenzene									
1	100	4.181	4.181	0.000	6315459	3.94			
2	2	4.329	4.328	0.001	6285605	3.94			
						RPD = 0.02			
10 alpha-BHC									
1	-65	4.350	4.349	0.001	6041465	3.92			
2	2	4.473	4.473	0.000	7586389	3.93			
						RPD = 0.32			
11 gamma-BHC (Lindane)									
1	-65	4.640	4.641	-0.001	5487662	3.90			
2	2	4.787	4.787	0.000	6745257	3.91			
						RPD = 0.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									
1	100	4.719	4.718	0.001	2620010	3.88			
2	2	4.861	4.861	0.000	3149797	3.91			
						RPD = 0.64			
13 delta-BHC									
1	100	4.867	4.866	0.001	5507985	3.92			
2	2	5.098	5.097	0.001	6815657	3.93			
						RPD = 0.23			
15 Heptachlor									
1	100	5.041	5.041	0.000	4973447	3.88			
2	2	5.140	5.141	-0.001	6234235	3.88			
						RPD = 0.08			
16 Aldrin									
1	-65	5.295	5.296	-0.001	5180140	3.92			
2	2	5.418	5.418	0.000	6354724	3.93			
						RPD = 0.21			
18 Isodrin									
1	100	5.601	5.601	0.000	5018447	3.90			
2	2	5.792	5.792	0.000	6227606	3.91			
						RPD = 0.37			
22 Heptachlor epoxide									
1	-65	5.872	5.871	0.001	4957294	3.89			
2	2	5.976	5.976	0.000	6182514	3.90			
						RPD = 0.36			
23 gamma-Chlordane									
1	-65	6.004	6.005	-0.001	4977414	3.93			
2	2	6.177	6.176	0.001	6185554	3.93			
						RPD = 0.08			
24 alpha-Chlordane									
1	-65	6.147	6.147	0.000	4974362	3.92			
2	2	6.330	6.331	-0.001	6042187	3.93			
						RPD = 0.23			
25 4,4'-DDE									
1	-65	6.230	6.230	0.000	5313108	3.95			
2	2	6.507	6.507	0.000	6021608	3.96			
						RPD = 0.06			
26 Endosulfan I									
1	100	6.289	6.288	0.001	4756671	3.88			
2	2	6.389	6.389	0.000	5572728	3.90			
						RPD = 0.69			
28 Dieldrin									
1	100	6.534	6.533	0.001	4933020	3.91			
2	2	6.670	6.671	-0.001	6100692	3.93			
						RPD = 0.57			
30 Endrin									
1	-65	6.765	6.766	-0.001	3832000	4.44			
2	2	6.977	6.976	0.001	4643533	3.94			
						RPD = 11.82			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
32 4,4'-DDD									
1	100	6.833	6.831	0.002	4018748	3.93			
2	2	7.089	7.087	0.002	4816033	3.95			
						RPD = 0.39			
34 Endosulfan II									
1	100	6.985	6.985	0.000	4384370	3.90			
2	2	7.185	7.184	0.001	5339628	3.91			
						RPD = 0.35			
35 4,4'-DDT									
1	-65	7.107	7.106	0.001	3734640	3.96			
2	2	7.390	7.390	0.000	4071115	4.00			
						RPD = 0.81			
36 Endrin aldehyde									
1	-65	7.389	7.388	0.001	3955788	3.90			
2	2	7.510	7.511	-0.001	4734661	3.92			
						RPD = 0.43			
37 Methoxychlor									
1	-65	7.569	7.567	0.002	2013040	3.94			
2	2	8.036	8.036	0.000	2144615	3.98			
						RPD = 1.08			
38 Mirex									
1	100	7.708	7.706	0.002	3349586	3.93			
2	2	8.221	8.221	0.000	3731440	3.94			
						RPD = 0.12			
39 Endosulfan sulfate									
1	-65	7.798	7.796	0.002	3969526	3.94			
2	2	7.769	7.768	0.001	4804953	3.94			
						RPD = 0.05			
40 Endrin ketone									
1	-65	8.057	8.056	0.001	4545721	3.93			
2	2	8.261	8.261	0.000	5194695	3.95			
						RPD = 0.53			
$ 41 DCB Decachlorobiphenyl									
1	1	8.969	8.967	0.002	3786571	3.95			
2	2	9.424	9.423	0.001	3632732	3.94			
						RPD = 0.21			

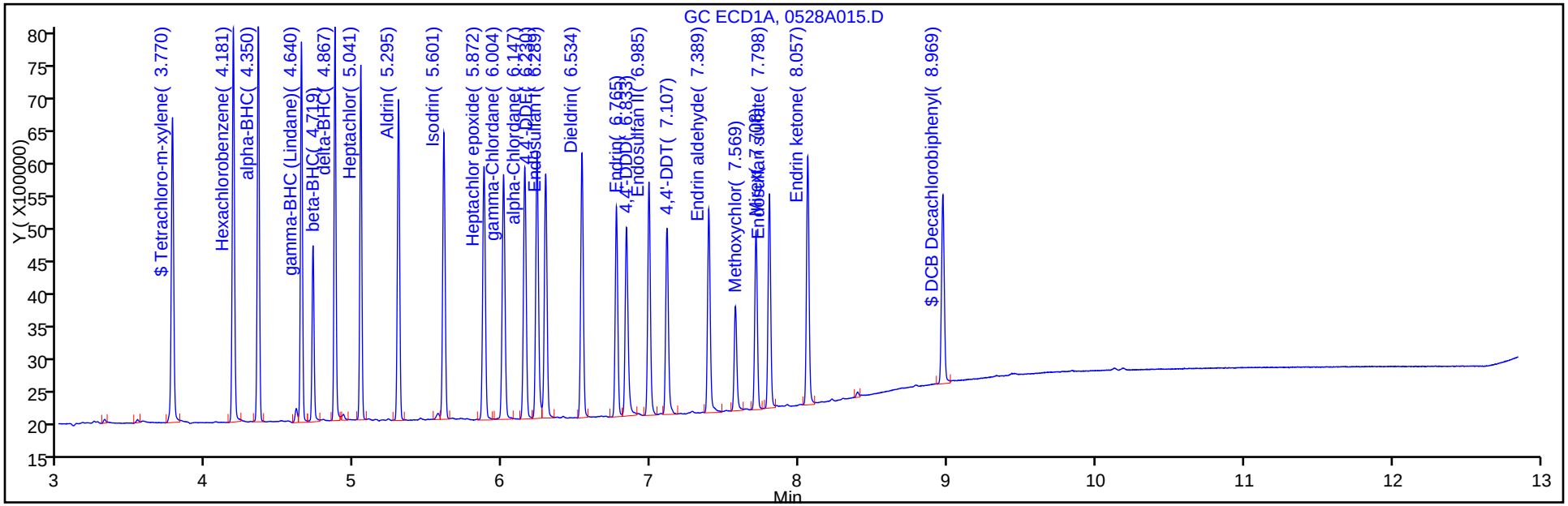
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TestAmerica Denver

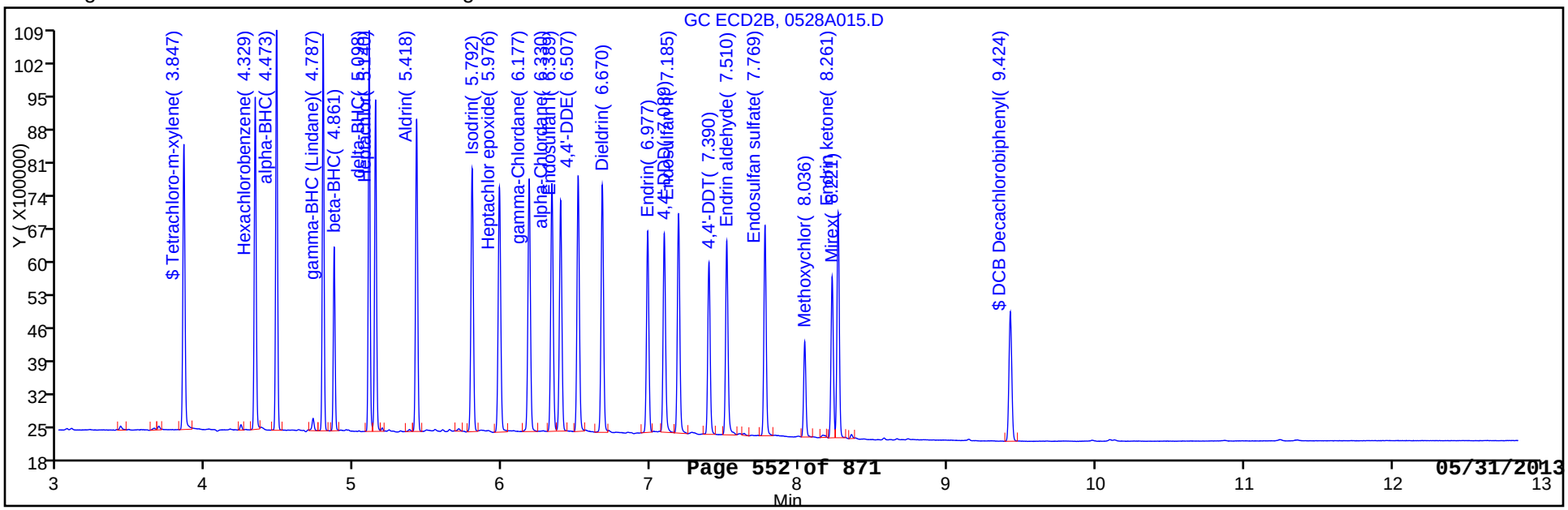
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Injection Date:	28-May-2013 15:00:41	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176155	Lims Sample ID:	15
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: PEM 280-174317/7 Calibration Date: 05/15/2013 11:57

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 13:49

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/29/2013 15:16

Lab File ID: 05150007.D Conc. Units: ng/mL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	7.00	155717920	2.92	15	
Endrin aldehyde	7.62	1127909			
Endrin ketone	8.29	3549504			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.33	143419768	1.98	15	
4,4'-DDD	7.06	2193416			
4,4'-DDE	6.45	708102			

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150007.D
Lims ID: PEM Client ID:
Inject. Date: 15-May-2013 11:57:06 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: PEM
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 174317 Lims Sample ID: 7
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\8081 P1.m
Last Update: 16-May-2013 06:55:24 Calib Date: 15-May-2013 13:25:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150011.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
25 4,4'-DDE									
1	-65	6.453	6.452	0.001	708102	0.1258			
2	2	6.288	6.287	0.001	592212	0.0315			
						RPD = 119.90			
30 Endrin									
1	-65	6.998	6.998	0.000	155717920	55.0			
2	2	6.749	6.749	0.000	105820766	42.4			
						RPD = 25.97			
32 4,4'-DDD									
1	100	7.056	7.054	0.002	2193416	0.6260			
2	2	6.874	6.871	0.003	797808	-0.1542			
						RPD = 330.75			
35 4,4'-DDT									
1	-65	7.327	7.326	0.001	143419768	48.6			
2	2	7.177	7.176	0.001	79174928	33.6			
						RPD = 36.51			
36 Endrin aldehyde									
1	-65	7.622	7.620	0.002	1127909	-0.3349			7
2	2	7.290	7.290	0.000	1012261	-0.1894			7
						RPD = -55.49			
LOD = 0.002000									
40 Endrin ketone									
1	-65	8.288	8.288	0.000	3549504	0.3443			
2	2	8.041	8.040	0.001	2182434	0.2616			
						RPD = 27.33			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

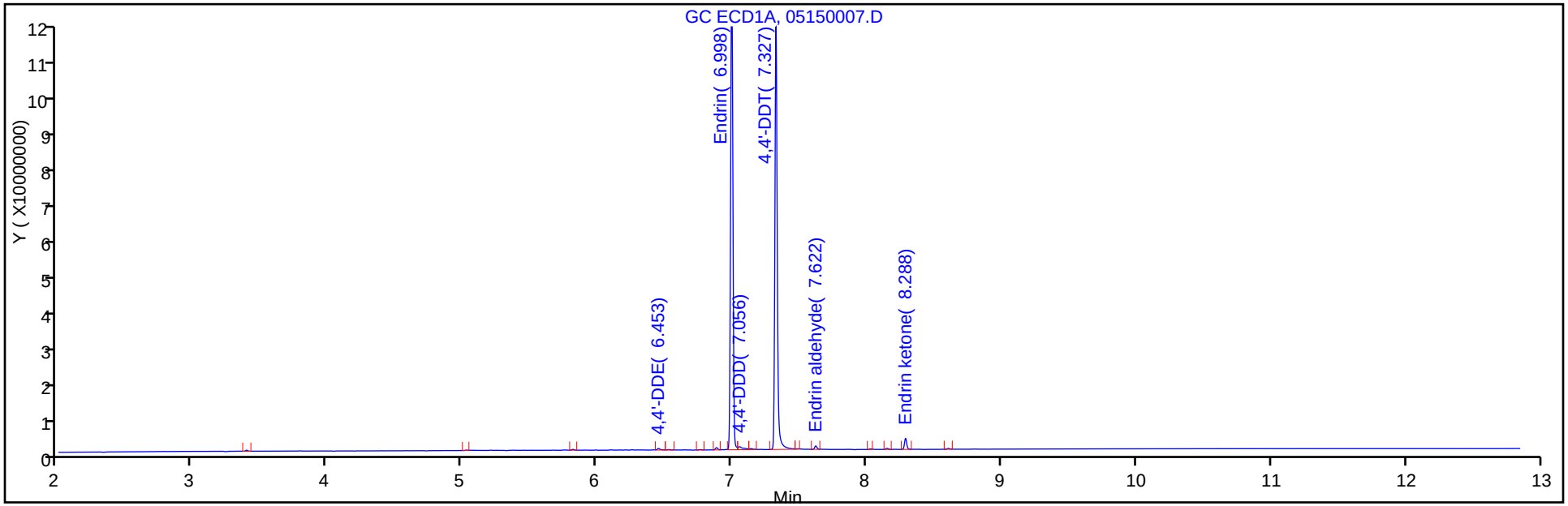
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TestAmerica Denver

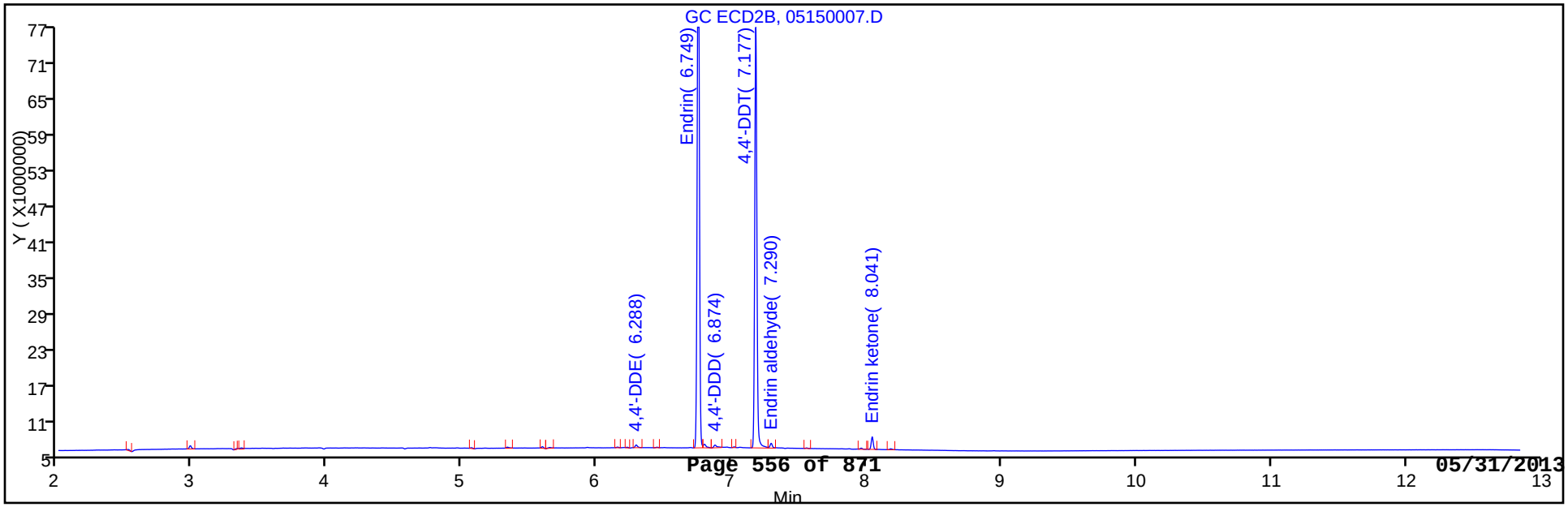
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Injection Date:	15-May-2013 11:57:06	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	7
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: PEM 280-174317/7 Calibration Date: 05/15/2013 11:57

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 13:49

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/29/2013 15:16

Lab File ID: 05150007.D Conc. Units: ng/mL

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.75	105820766	2.93	15	
Endrin aldehyde	7.29	1012261			
Endrin ketone	8.04	2182434			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.18	79174928	1.73	15	
4,4'-DDD	6.87	797808			
4,4'-DDE	6.29	592212			

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150007.D
Lims ID: PEM Client ID:
Inject. Date: 15-May-2013 11:57:06 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: PEM
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 174317 Lims Sample ID: 7
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\8081 P1.m
Last Update: 16-May-2013 06:55:24 Calib Date: 15-May-2013 13:25:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150011.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
25 4,4'-DDE									
1	-65	6.453	6.452	0.001	708102	0.1258			
2	2	6.288	6.287	0.001	592212	0.0315			
						RPD = 119.90			
30 Endrin									
1	-65	6.998	6.998	0.000	155717920	55.0			
2	2	6.749	6.749	0.000	105820766	42.4			
						RPD = 25.97			
32 4,4'-DDD									
1	100	7.056	7.054	0.002	2193416	0.6260			
2	2	6.874	6.871	0.003	797808	-0.1542			
						RPD = 330.75			
35 4,4'-DDT									
1	-65	7.327	7.326	0.001	143419768	48.6			
2	2	7.177	7.176	0.001	79174928	33.6			
						RPD = 36.51			
36 Endrin aldehyde									
1	-65	7.622	7.620	0.002	1127909	-0.3349			7
2	2	7.290	7.290	0.000	1012261	-0.1894			7
						RPD = -55.49			
LOD = 0.002000									
40 Endrin ketone									
1	-65	8.288	8.288	0.000	3549504	0.3443			
2	2	8.041	8.040	0.001	2182434	0.2616			
						RPD = 27.33			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

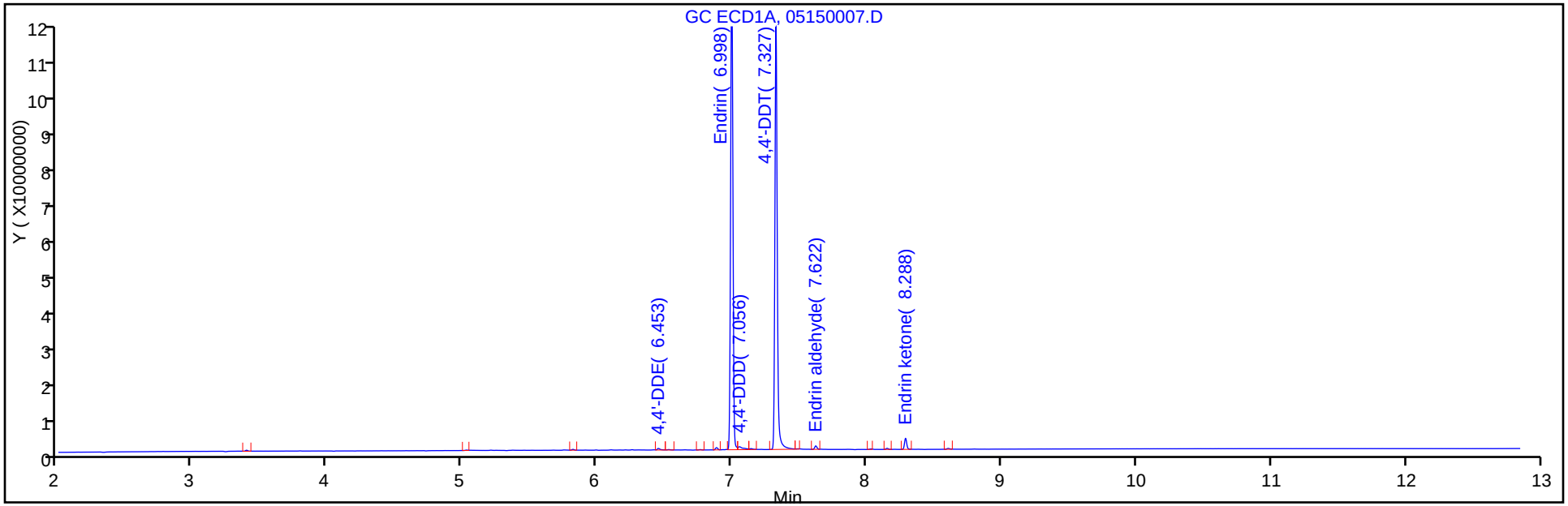
Report Date: 16-May-2013 06:55:30 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

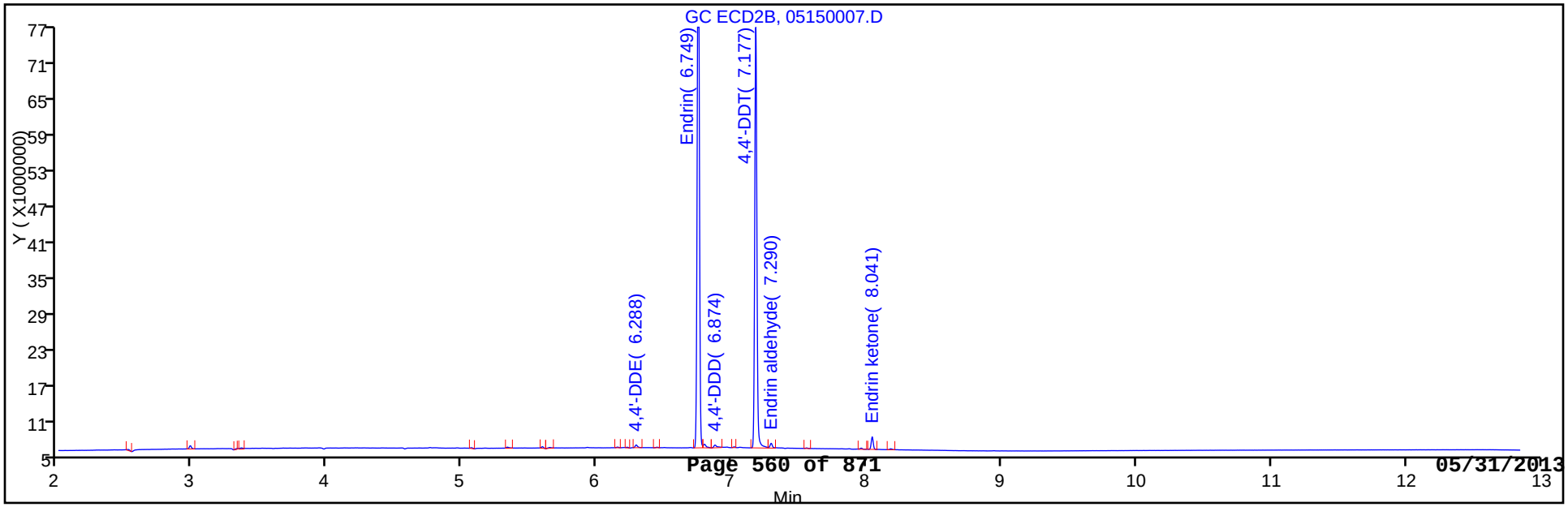
Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150007.D

Injection Date:	15-May-2013 11:57:06	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	7
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: PEM 280-176329/7 Calibration Date: 05/29/2013 15:21

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290007.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.76	43943809	3.97	15	
Endrin aldehyde	7.39	605626			
Endrin ketone	8.05	1212656			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.10	40017653	3.25	15	
4,4'-DDD	6.83	810567			
4,4'-DDE	6.23	533785			

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290007.D
Lims ID: PEM Client ID:
Inject. Date: 29-May-2013 15:21:44 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: PEM
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 176329 Lims Sample ID: 7
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:18 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 30-May-2013 07:08:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
25 4,4'-DDE									
1	-65	6.228	6.225	0.003	533785	-0.0299			7
2	2	6.504	6.502	0.002	516212	-0.0389			7
						RPD = -26.15			
LOD = 0.1300									
30 Endrin									
1	-65	6.761	6.761	0.000	43943809	50.9			
2	2	6.971	6.971	0.000	56594973	53.7			
						RPD = 5.27			
32 4,4'-DDD									
1	100	6.833	6.827	0.006	810567	0.1360			
2	2	7.084	7.083	0.001	1015735	0.4178			
						RPD = 101.78			
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	40017653	46.6			
2	2	7.385	7.384	0.001	46889786	49.1			
						RPD = 5.33			
36 Endrin aldehyde									
1	-65	7.387	7.384	0.003	605626	-0.3583			7
2	2	7.506	7.505	0.001	850697	-0.1320			7
						RPD = -92.28			
LOD = 0.1300									
40 Endrin ketone									
1	-65	8.052	8.052	0.000	1212656	0.3867			
2	2	8.256	8.256	0.000	1335308	0.4473			
						RPD = 14.52			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

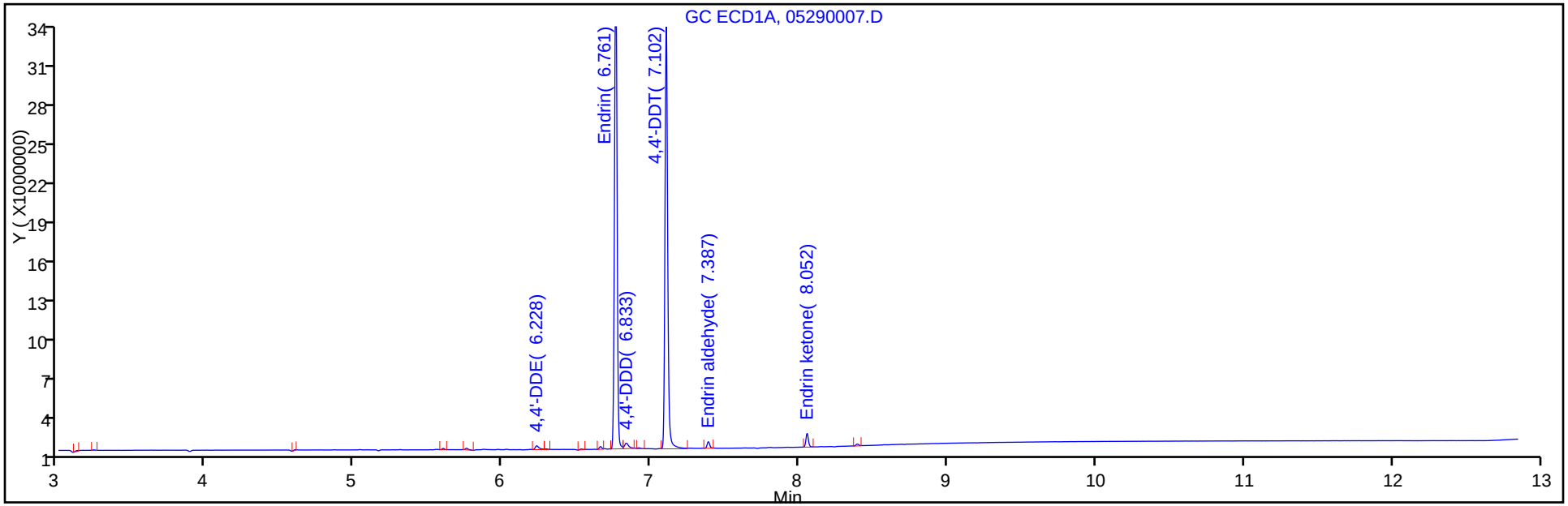
Report Date: 30-May-2013 07:32:27 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

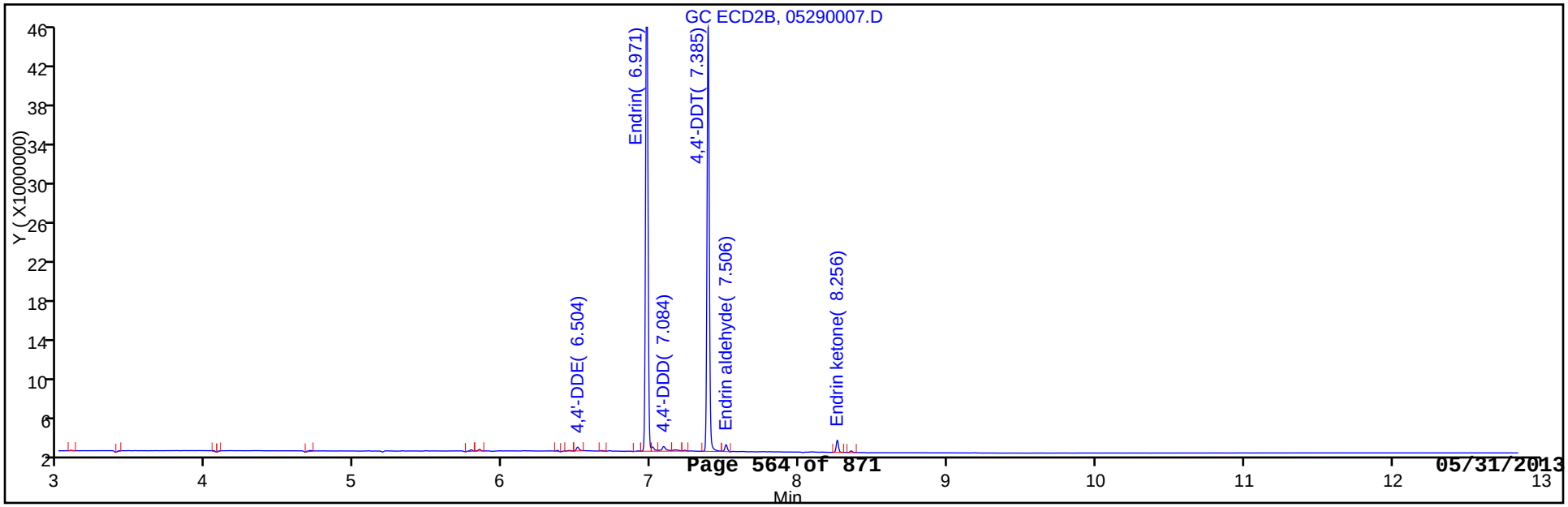
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290007.D

Injection Date:	29-May-2013 15:21:44	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	7
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: PEM 280-176329/7 Calibration Date: 05/29/2013 15:21

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290007.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.97	56594973	3.72	15	
Endrin aldehyde	7.51	850697			
Endrin ketone	8.26	1335308			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.39	46889786	3.16	15	
4,4'-DDD	7.08	1015735			
4,4'-DDE	6.50	516212			

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290007.D
Lims ID: PEM Client ID:
Inject. Date: 29-May-2013 15:21:44 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: PEM
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 176329 Lims Sample ID: 7
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:18 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 30-May-2013 07:08:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
25 4,4'-DDE									
1	-65	6.228	6.225	0.003	533785	-0.0299			7
2	2	6.504	6.502	0.002	516212	-0.0389			7
						RPD = -26.15			
LOD = 0.1300									
30 Endrin									
1	-65	6.761	6.761	0.000	43943809	50.9			
2	2	6.971	6.971	0.000	56594973	53.7			
						RPD = 5.27			
32 4,4'-DDD									
1	100	6.833	6.827	0.006	810567	0.1360			
2	2	7.084	7.083	0.001	1015735	0.4178			
						RPD = 101.78			
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	40017653	46.6			
2	2	7.385	7.384	0.001	46889786	49.1			
						RPD = 5.33			
36 Endrin aldehyde									
1	-65	7.387	7.384	0.003	605626	-0.3583			7
2	2	7.506	7.505	0.001	850697	-0.1320			7
						RPD = -92.28			
LOD = 0.1300									
40 Endrin ketone									
1	-65	8.052	8.052	0.000	1212656	0.3867			
2	2	8.256	8.256	0.000	1335308	0.4473			
						RPD = 14.52			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

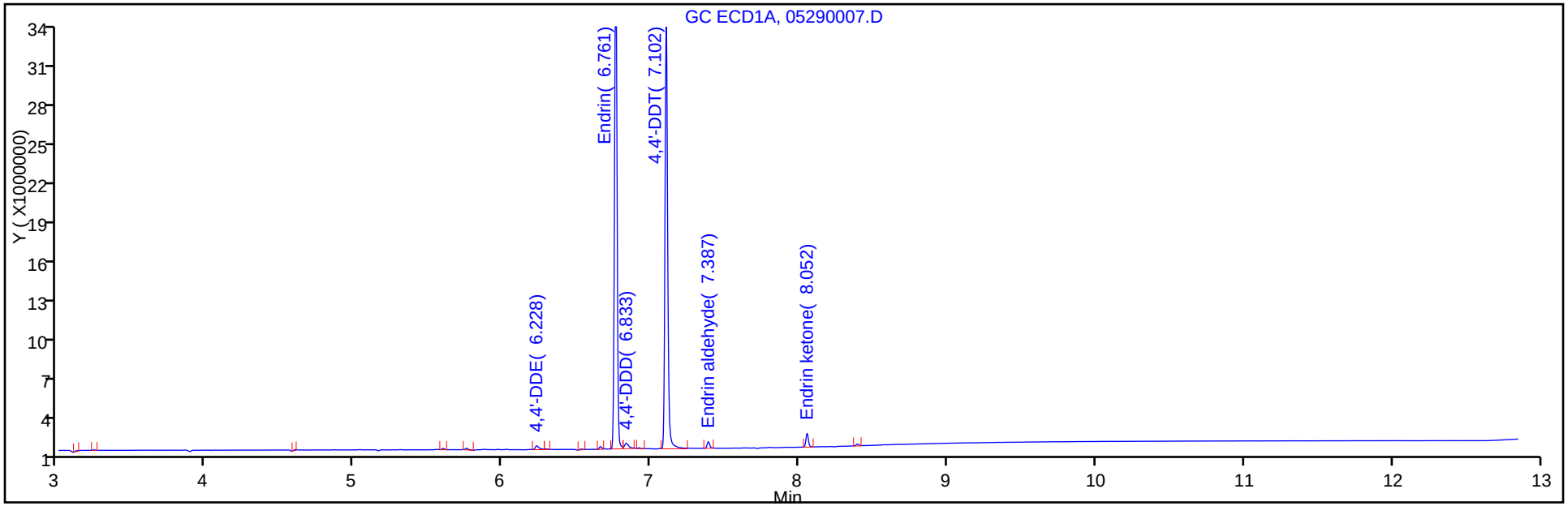
Report Date: 30-May-2013 07:32:27 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

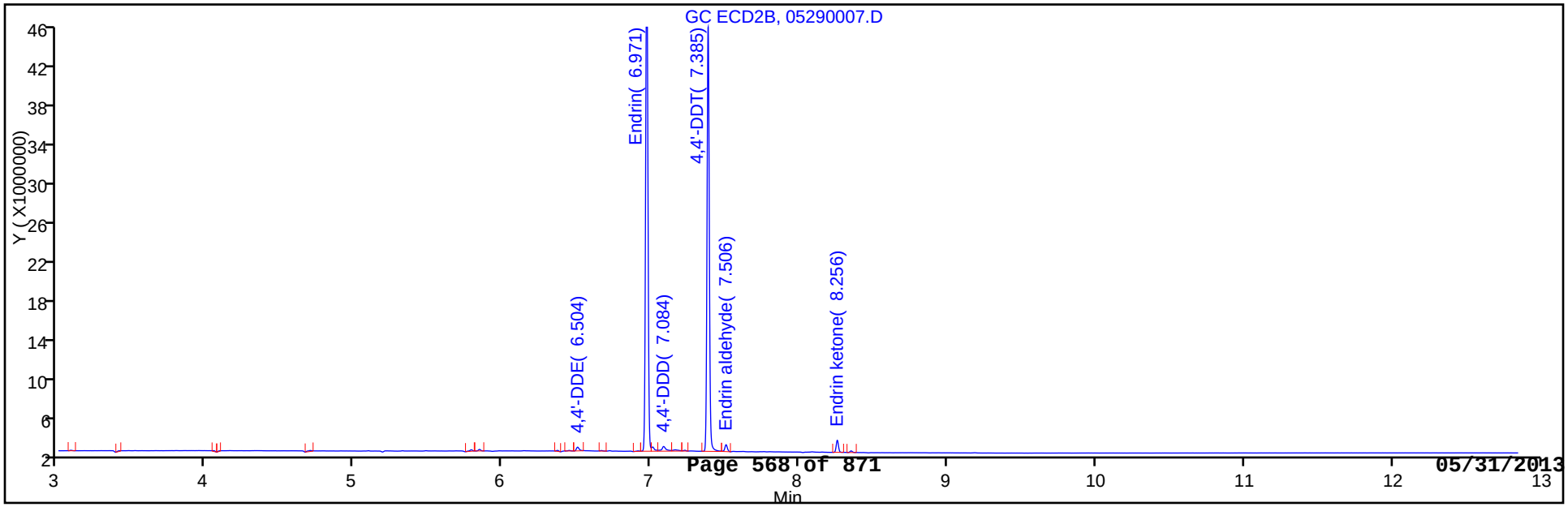
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290007.D

Injection Date:	29-May-2013 15:21:44	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	7
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: PEM 280-176496/7 Calibration Date: 05/30/2013 15:54

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05300007.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.76	53567909	3.13	15	
Endrin aldehyde	7.39	495469			
Endrin ketone	8.05	1232836			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.10	46900876	3.69	15	
4,4'-DDD	6.83	1153759			
4,4'-DDE	6.23	644968			

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\05300007.D
Lims ID: PEM Client ID:
Inject. Date: 30-May-2013 15:54:37 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: PEM
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 176496 Lims Sample ID: 7
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\8081 P2.m
Last Update: 31-May-2013 07:50:26 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 31-May-2013 07:12:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
25 4,4'-DDE									
1	-65	6.228	6.225	0.003	644968	0.0627			7
2	2	6.503	6.502	0.001	678926	0.0791			7
						RPD = 23.12			
LOD = 0.1300									
30 Endrin									
1	-65	6.762	6.762	0.000	53567909	62.1			
2	2	6.971	6.970	0.001	69117014	65.7			
						RPD = 5.62			
32 4,4'-DDD									
1	100	6.831	6.829	0.002	1153759	0.5423			
2	2	7.083	7.082	0.001	1359795	0.7376			
						RPD = 30.51			
35 4,4'-DDT									
1	-65	7.103	7.103	0.000	46900876	54.7			
2	2	7.384	7.384	0.000	56373229	59.1			
						RPD = 7.84			
36 Endrin aldehyde									
1	-65	7.386	7.384	0.002	495469	-0.4984			7
2	2	7.505	7.504	0.001	633237	-0.3589			7
						RPD = -32.54			
LOD = 0.1300									
40 Endrin ketone									
1	-65	8.053	8.052	0.001	1232836	0.4082			
2	2	8.255	8.255	0.000	1438468	0.5408			
						RPD = 27.96			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

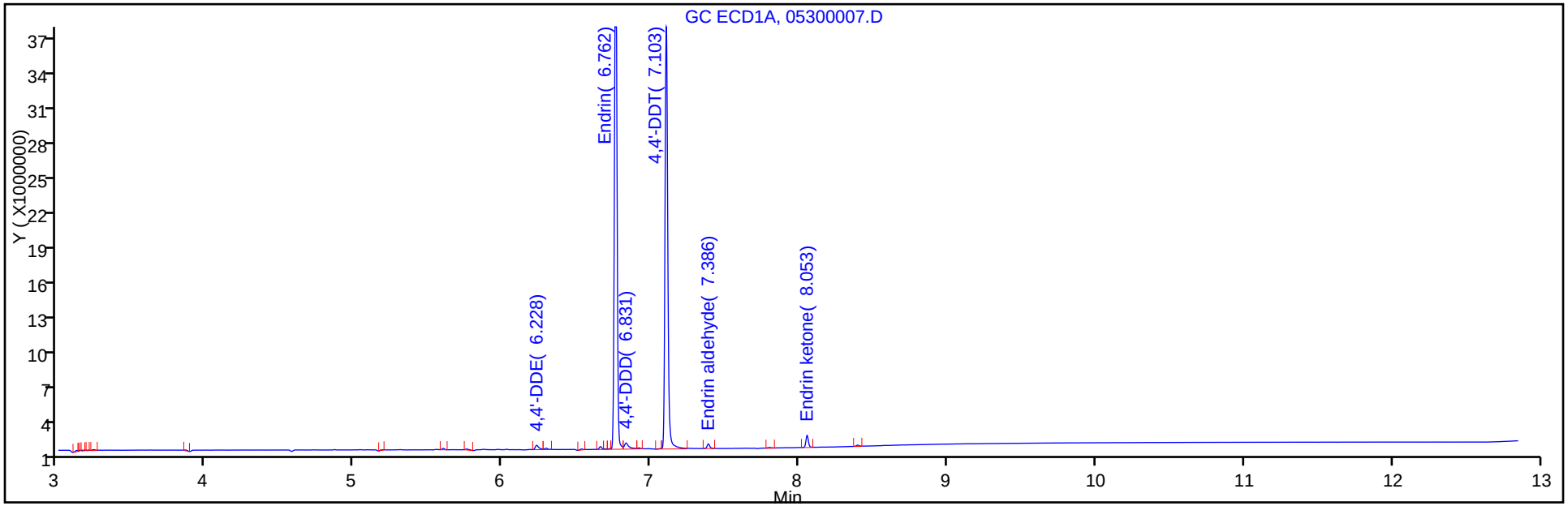
Report Date: 31-May-2013 07:50:31 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

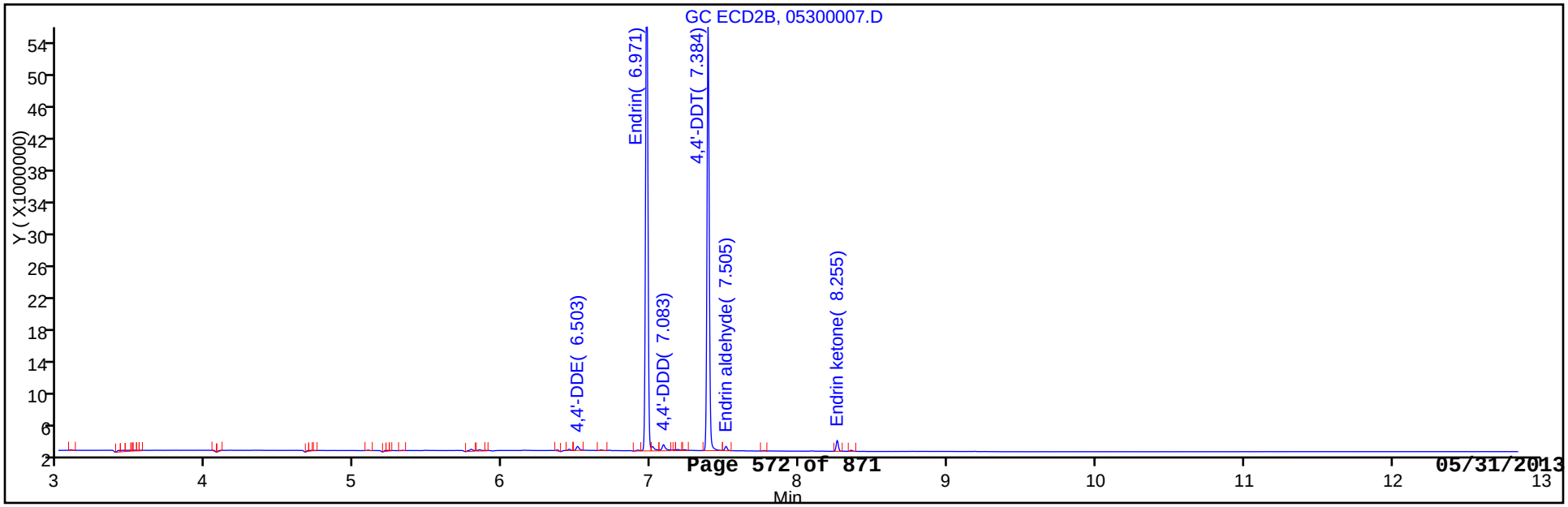
Data File: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\05300007.D

Injection Date:	30-May-2013 15:54:37	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176496	Lims Sample ID:	7
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: PEM 280-176496/7 Calibration Date: 05/30/2013 15:54

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05300007.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.97	69117014	2.91	15	
Endrin aldehyde	7.51	633237			
Endrin ketone	8.26	1438468			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.38	56373229	3.49	15	
4,4'-DDD	7.08	1359795			
4,4'-DDE	6.50	678926			

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\05300007.D
Lims ID: PEM Client ID:
Inject. Date: 30-May-2013 15:54:37 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: PEM
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 176496 Lims Sample ID: 7
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\8081 P2.m
Last Update: 31-May-2013 07:50:26 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 31-May-2013 07:12:56

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
25 4,4'-DDE									
1	-65	6.228	6.225	0.003	644968	0.0627			7
2	2	6.503	6.502	0.001	678926	0.0791			7
						RPD = 23.12			
LOD = 0.1300									
30 Endrin									
1	-65	6.762	6.762	0.000	53567909	62.1			
2	2	6.971	6.970	0.001	69117014	65.7			
						RPD = 5.62			
32 4,4'-DDD									
1	100	6.831	6.829	0.002	1153759	0.5423			
2	2	7.083	7.082	0.001	1359795	0.7376			
						RPD = 30.51			
35 4,4'-DDT									
1	-65	7.103	7.103	0.000	46900876	54.7			
2	2	7.384	7.384	0.000	56373229	59.1			
						RPD = 7.84			
36 Endrin aldehyde									
1	-65	7.386	7.384	0.002	495469	-0.4984			7
2	2	7.505	7.504	0.001	633237	-0.3589			7
						RPD = -32.54			
LOD = 0.1300									
40 Endrin ketone									
1	-65	8.053	8.052	0.001	1232836	0.4082			
2	2	8.255	8.255	0.000	1438468	0.5408			
						RPD = 27.96			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

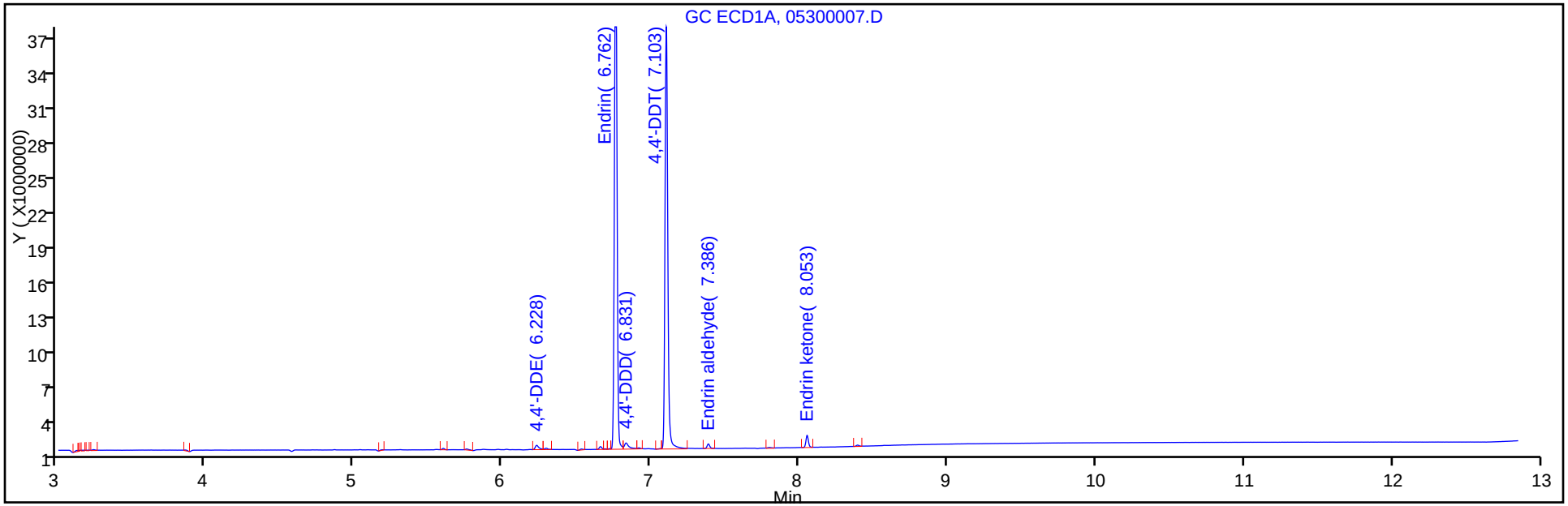
Report Date: 31-May-2013 07:50:32 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

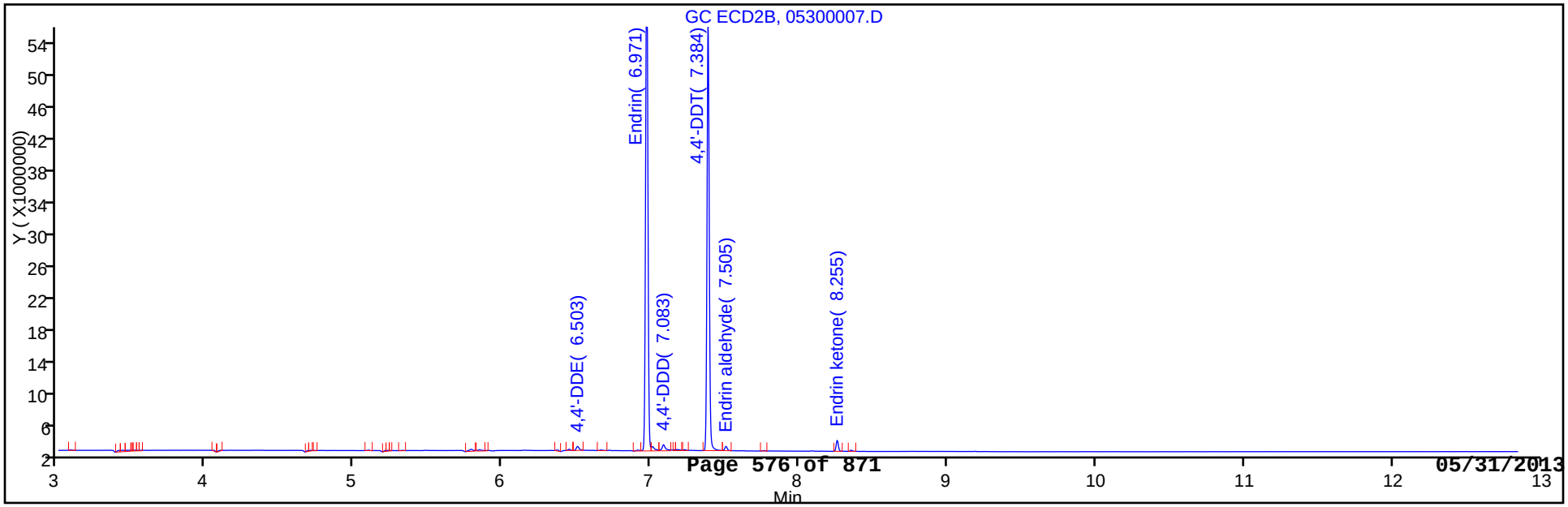
Data File: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\05300007.D

Injection Date:	30-May-2013 15:54:37	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176496	Lims Sample ID:	7
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: ICV 280-171763/10 Calibration Date: 04/29/2013 15:33

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 13:49

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/29/2013 15:16

Lab File ID: 04290010.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		3954357		25.5	25.0	2.0	20.0
gamma-BHC (Lindane)	Lin2		3584144		25.5	25.0	2.1	20.0
beta-BHC	Lin2		1514635		25.7	25.0	2.9	20.0
delta-BHC	Lin2		3781440		25.6	25.0	2.2	20.0
Heptachlor	Lin2		3502496		25.8	25.0	3.3	20.0
Aldrin	Lin2		3815874		26.4	25.0	5.4	20.0
Heptachlor epoxide	Lin2		3448034		26.1	25.0	4.4	20.0
gamma-Chlordane	Lin2		3601027		25.5	25.0	2.2	20.0
alpha-Chlordane	Lin2		3517109		25.6	25.0	2.5	20.0
4,4'-DDE	Lin2		3554689		25.6	25.0	2.6	20.0
Endosulfan I	Lin2		3330395		26.3	25.0	5.2	20.0
Dieldrin	Lin2		3710098		26.5	25.0	5.9	20.0
Endrin	Ave	2831810	3256709		28.8	25.0	15.0	20.0
4,4'-DDD	Lin2		2946887		26.4	25.0	5.4	20.0
Endosulfan II	Lin2		3132641		26.2	25.0	4.6	20.0
4,4'-DDT	Lin2		3048913		25.8	25.0	3.4	20.0
Endrin aldehyde	Lin2		2574921		25.4	25.0	1.8	20.0
Methoxychlor	Lin2		1480004		25.4	25.0	1.5	20.0
Endosulfan sulfate	Lin2		2839929		25.4	25.0	1.6	20.0
Endrin ketone	Lin2		3363417		26.3	25.0	5.4	20.0
Tetrachloro-m-xylene	Lin2		2648128		25.3	25.0	1.2	20.0
DCB Decachlorobiphenyl	Lin2		2356441		27.7	25.0	10.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: ICV 280-171763/10 Calibration Date: 04/29/2013 15:33

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 13:49

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/29/2013 15:16

Lab File ID: 04290010.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.52	4.51	4.53
gamma-BHC (Lindane)	4.81	4.80	4.82
beta-BHC	4.89	4.88	4.90
delta-BHC	5.04	5.03	5.05
Heptachlor	5.22	5.21	5.23
Aldrin	5.49	5.48	5.50
Heptachlor epoxide	6.11	6.10	6.12
gamma-Chlordane	6.24	6.23	6.25
alpha-Chlordane	6.38	6.37	6.39
4,4'-DDE	6.45	6.44	6.46
Endosulfan I	6.52	6.51	6.53
Dieldrin	6.77	6.76	6.78
Endrin	7.00	6.99	7.01
4,4'-DDD	7.06	7.05	7.07
Endosulfan II	7.22	7.21	7.23
4,4'-DDT	7.33	7.32	7.34
Endrin aldehyde	7.62	7.61	7.63
Methoxychlor	7.78	7.77	7.79
Endosulfan sulfate	8.03	8.02	8.04
Endrin ketone	8.29	8.28	8.30
Tetrachloro-m-xylene	3.94	3.93	3.95
DCB Decachlorobiphenyl	9.21	9.20	9.22

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290010.D
Lims ID: ICV AB Client ID:
Inject. Date: 29-Apr-2013 15:33:40 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 171763 Lims Sample ID: 10
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m
Last Update: 30-Apr-2013 14:00:17 Calib Date: 29-Apr-2013 22:51:18
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290035.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 30-Apr-2013 06:52:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.943	3.943	0.000	66203200	25.3			
2	2	3.714	3.714	0.000	119630378	25.2			
						RPD = 0.56			
8 Hexachlorobenzene									
1	100	4.353	4.353	0.000	81140938	26.4			
2	2	4.189	4.190	-0.001	129288797	26.4			
						RPD = 0.02			
10 alpha-BHC									
1	-65	4.524	4.524	0.000	98858927	25.5			
2	2	4.337	4.337	0.000	142235878	25.1			
						RPD = 1.51			
11 gamma-BHC (Lindane)									
1	-65	4.814	4.814	0.000	89603603	25.5			
2	2	4.652	4.652	0.000	113552240	25.1			
						RPD = 1.51			
12 beta-BHC									
1	100	4.892	4.892	0.000	37865879	25.7			
2	2	4.729	4.728	0.001	46466864	25.5			
						RPD = 1.02			
13 delta-BHC									
1	100	5.041	5.041	0.000	94536005	25.6			
2	2	4.962	4.962	0.000	109134629	25.2			
						RPD = 1.30			
15 Heptachlor									
1	100	5.221	5.221	0.000	87562389	25.8			
2	2	5.002	5.002	0.000	95367911	25.6			
						RPD = 0.83			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
16 Aldrin									
1	-65	5.493	5.493	0.000	95396856	26.4			
2	2	5.258	5.257	0.001	101547336	25.9			
						RPD = 1.90			
18 Isodrin									
1	100	5.822	5.821	0.001	79321111	23.3			
2	2	5.602	5.601	0.001	79701399	22.7			
						RPD = 2.52			
22 Heptachlor epoxide									
1	-65	6.109	6.109	0.000	86200859	26.1			
2	2	5.773	5.772	0.001	82736058	25.6			
						RPD = 1.89			
23 gamma-Chlordane									
1	-65	6.241	6.240	0.001	90025673	25.5			
2	2	5.962	5.961	0.001	86264983	25.2			
						RPD = 1.42			
24 alpha-Chlordane									
1	-65	6.379	6.379	0.000	87927714	25.6			
2	2	6.117	6.117	0.000	84223303	25.3			
						RPD = 1.14			
25 4,4'-DDE									
1	-65	6.454	6.454	0.000	88867233	25.6			
2	2	6.298	6.297	0.001	85153139	25.0			
						RPD = 2.54			
26 Endosulfan I									
1	100	6.523	6.523	0.000	83259877	26.3			
2	2	6.175	6.173	0.002	77191478	25.7			
						RPD = 2.43			
28 Dieldrin									
1	100	6.767	6.767	0.000	92752452	26.5			
2	2	6.456	6.455	0.001	84739547	25.8			
						RPD = 2.59			
30 Endrin									
1	-65	6.999	7.000	-0.001	81417732	28.8			
2	2	6.761	6.761	0.000	71340673	28.4			
						RPD = 1.20			
32 4,4'-DDD									
1	100	7.057	7.056	0.001	73672179	26.4			
2	2	6.883	6.882	0.001	63947880	25.9			
						RPD = 1.66			
34 Endosulfan II									
1	100	7.219	7.219	0.000	78316023	26.2			
2	2	6.972	6.972	0.000	70492435	26.0			
						RPD = 0.77			
35 4,4'-DDT									
1	-65	7.328	7.328	0.000	76222824	25.8			
2	2	7.187	7.187	0.000	60552849	25.6			
						RPD = 0.74			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
36 Endrin aldehyde									
1	-65	7.622	7.622	0.000	64373015	25.4			
2	2	7.302	7.301	0.001	56541098	25.1			
						RPD = 1.39			
37 Methoxychlor									
1	-65	7.781	7.780	0.001	37000089	25.4			
2	2	7.838	7.838	0.000	27947732	24.9			
						RPD = 1.73			
38 Mirex									
1	100	7.934	7.934	0.000	61353160	26.1			
2	2	8.008	8.008	0.000	47318080	26.1			
						RPD = 0.03			
39 Endosulfan sulfate									
1	-65	8.030	8.031	-0.001	70998235	25.4			
2	2	7.564	7.564	0.000	62088242	25.2			
						RPD = 0.92			
40 Endrin ketone									
1	-65	8.290	8.289	0.001	84085426	26.3			
2	2	8.052	8.052	0.000	68254406	25.7			
						RPD = 2.51			
$ 41 DCB Decachlorobiphenyl									
1	1	9.213	9.212	0.001	58911032	27.7			
2	2	9.172	9.171	0.001	53105513	27.7			
						RPD = 0.16			

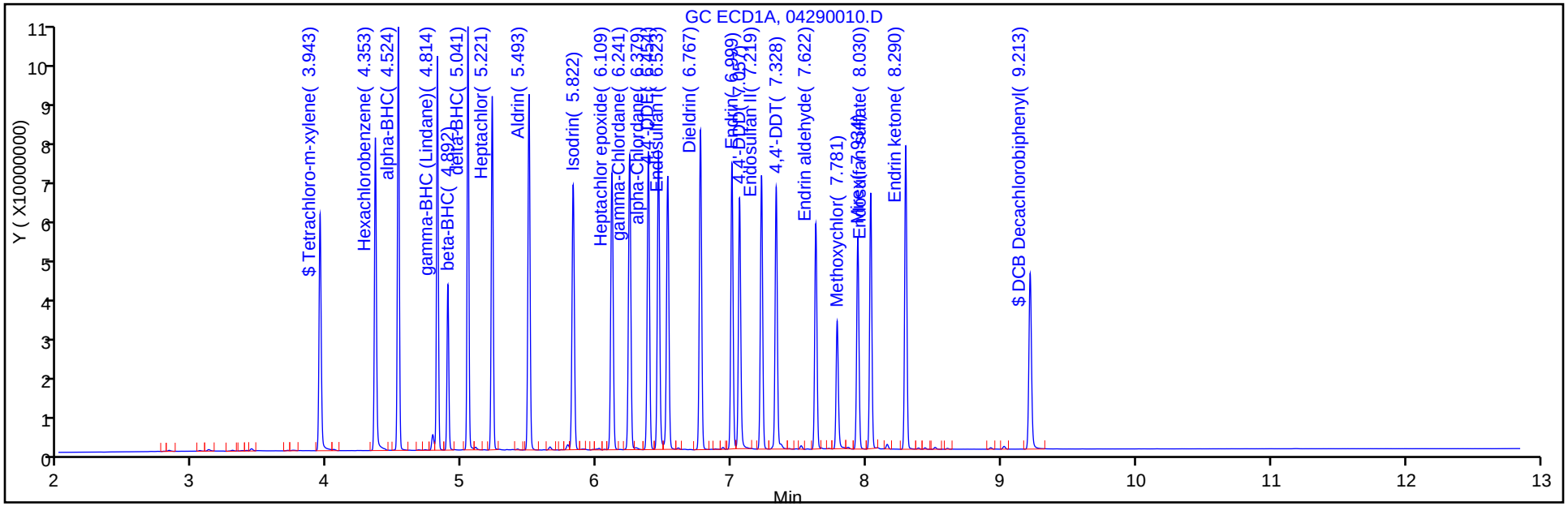
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TestAmerica Denver

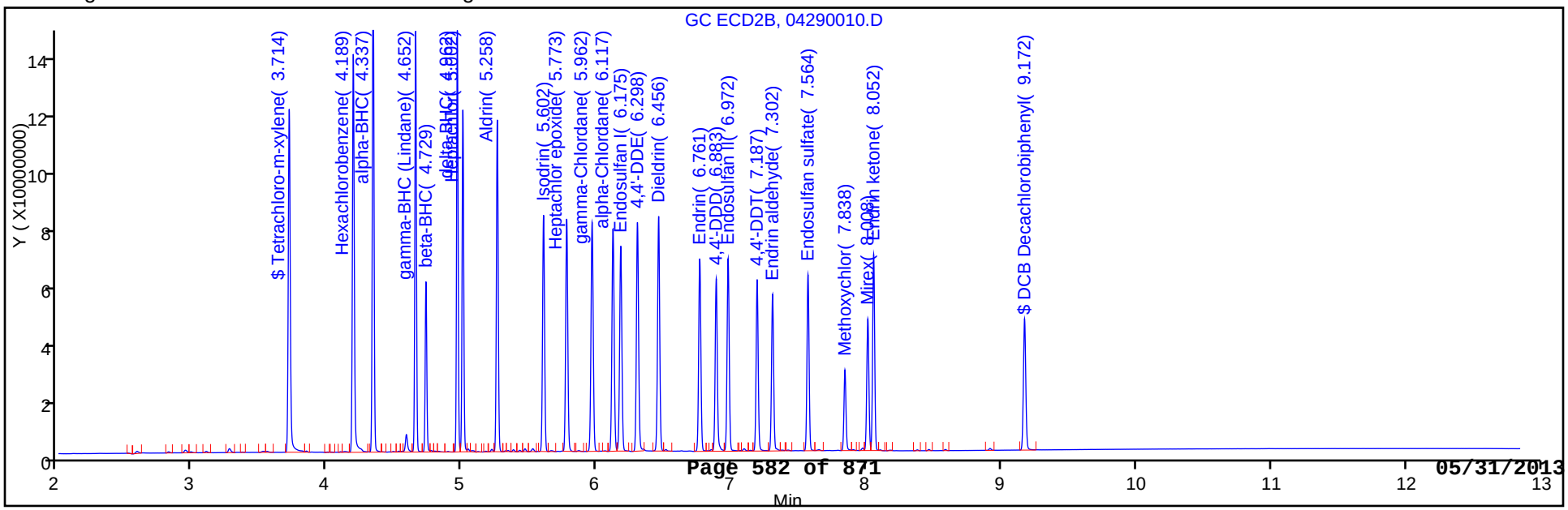
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Injection Date:	29-Apr-2013 15:33:40	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	10
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: ICV 280-171763/10 Calibration Date: 04/29/2013 15:33

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 13:49

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/29/2013 15:16

Lab File ID: 04290010.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		5689435		25.1	25.0	0.5	20.0
gamma-BHC (Lindane)	Lin2		4542090		25.1	25.0	0.6	20.0
beta-BHC	Lin2		1858675		25.5	25.0	1.9	20.0
delta-BHC	Lin2		4365385		25.2	25.0	0.9	20.0
Heptachlor	Lin2		3814716		25.6	25.0	2.4	20.0
Aldrin	Lin2		4061893		25.9	25.0	3.5	20.0
Heptachlor epoxide	Lin2		3309442		25.6	25.0	2.4	20.0
gamma-Chlordane	Lin2		3450599		25.2	25.0	0.7	20.0
alpha-Chlordane	Lin2		3368932		25.3	25.0	1.3	20.0
Endosulfan I	Lin2		3087659		25.7	25.0	2.7	20.0
4,4'-DDE	Lin2		3406126		25.0	25.0	0.0	20.0
Dieldrin	Lin2		3389582		25.8	25.0	3.2	20.0
Endrin	Lin2		2853627		28.4	25.0	13.6	20.0
4,4'-DDD	Lin2		2557915		25.9	25.0	3.7	20.0
Endosulfan II	Lin2		2819697		26.0	25.0	3.8	20.0
4,4'-DDT	Lin2		2422114		25.6	25.0	2.6	20.0
Endrin aldehyde	Lin2		2261644		25.1	25.0	0.4	20.0
Endosulfan sulfate	Lin2		2483530		25.2	25.0	0.6	20.0
Methoxychlor	Lin2		1117909		24.9	25.0	-0.3	20.0
Endrin ketone	Lin2		2730176		25.7	25.0	2.8	20.0
Tetrachloro-m-xylene	Lin2		4785215		25.2	25.0	0.6	20.0
DCB Decachlorobiphenyl	Lin2		2124221		27.7	25.0	10.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: ICV 280-171763/10 Calibration Date: 04/29/2013 15:33

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 13:49

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/29/2013 15:16

Lab File ID: 04290010.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.34	4.33	4.35
gamma-BHC (Lindane)	4.65	4.64	4.66
beta-BHC	4.73	4.72	4.74
delta-BHC	4.96	4.95	4.97
Heptachlor	5.00	4.99	5.01
Aldrin	5.26	5.25	5.27
Heptachlor epoxide	5.77	5.76	5.78
gamma-Chlordane	5.96	5.95	5.97
alpha-Chlordane	6.12	6.11	6.13
Endosulfan I	6.18	6.16	6.18
4,4'-DDE	6.30	6.29	6.31
Dieldrin	6.46	6.45	6.47
Endrin	6.76	6.75	6.77
4,4'-DDD	6.88	6.87	6.89
Endosulfan II	6.97	6.96	6.98
4,4'-DDT	7.19	7.18	7.20
Endrin aldehyde	7.30	7.29	7.31
Endosulfan sulfate	7.56	7.55	7.57
Methoxychlor	7.84	7.83	7.85
Endrin ketone	8.05	8.04	8.06
Tetrachloro-m-xylene	3.71	3.70	3.72
DCB Decachlorobiphenyl	9.17	9.16	9.18

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290010.D
Lims ID: ICV AB Client ID:
Inject. Date: 29-Apr-2013 15:33:40 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 171763 Lims Sample ID: 10
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m
Last Update: 30-Apr-2013 14:00:17 Calib Date: 29-Apr-2013 22:51:18
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290035.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 30-Apr-2013 06:52:37

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.943	3.943	0.000	66203200	25.3			
2	2	3.714	3.714	0.000	119630378	25.2			
						RPD = 0.56			
8 Hexachlorobenzene									
1	100	4.353	4.353	0.000	81140938	26.4			
2	2	4.189	4.190	-0.001	129288797	26.4			
						RPD = 0.02			
10 alpha-BHC									
1	-65	4.524	4.524	0.000	98858927	25.5			
2	2	4.337	4.337	0.000	142235878	25.1			
						RPD = 1.51			
11 gamma-BHC (Lindane)									
1	-65	4.814	4.814	0.000	89603603	25.5			
2	2	4.652	4.652	0.000	113552240	25.1			
						RPD = 1.51			
12 beta-BHC									
1	100	4.892	4.892	0.000	37865879	25.7			
2	2	4.729	4.728	0.001	46466864	25.5			
						RPD = 1.02			
13 delta-BHC									
1	100	5.041	5.041	0.000	94536005	25.6			
2	2	4.962	4.962	0.000	109134629	25.2			
						RPD = 1.30			
15 Heptachlor									
1	100	5.221	5.221	0.000	87562389	25.8			
2	2	5.002	5.002	0.000	95367911	25.6			
						RPD = 0.83			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
16 Aldrin									
1	-65	5.493	5.493	0.000	95396856	26.4			
2	2	5.258	5.257	0.001	101547336	25.9			
						RPD = 1.90			
18 Isodrin									
1	100	5.822	5.821	0.001	79321111	23.3			
2	2	5.602	5.601	0.001	79701399	22.7			
						RPD = 2.52			
22 Heptachlor epoxide									
1	-65	6.109	6.109	0.000	86200859	26.1			
2	2	5.773	5.772	0.001	82736058	25.6			
						RPD = 1.89			
23 gamma-Chlordane									
1	-65	6.241	6.240	0.001	90025673	25.5			
2	2	5.962	5.961	0.001	86264983	25.2			
						RPD = 1.42			
24 alpha-Chlordane									
1	-65	6.379	6.379	0.000	87927714	25.6			
2	2	6.117	6.117	0.000	84223303	25.3			
						RPD = 1.14			
25 4,4'-DDE									
1	-65	6.454	6.454	0.000	88867233	25.6			
2	2	6.298	6.297	0.001	85153139	25.0			
						RPD = 2.54			
26 Endosulfan I									
1	100	6.523	6.523	0.000	83259877	26.3			
2	2	6.175	6.173	0.002	77191478	25.7			
						RPD = 2.43			
28 Dieldrin									
1	100	6.767	6.767	0.000	92752452	26.5			
2	2	6.456	6.455	0.001	84739547	25.8			
						RPD = 2.59			
30 Endrin									
1	-65	6.999	7.000	-0.001	81417732	28.8			
2	2	6.761	6.761	0.000	71340673	28.4			
						RPD = 1.20			
32 4,4'-DDD									
1	100	7.057	7.056	0.001	73672179	26.4			
2	2	6.883	6.882	0.001	63947880	25.9			
						RPD = 1.66			
34 Endosulfan II									
1	100	7.219	7.219	0.000	78316023	26.2			
2	2	6.972	6.972	0.000	70492435	26.0			
						RPD = 0.77			
35 4,4'-DDT									
1	-65	7.328	7.328	0.000	76222824	25.8			
2	2	7.187	7.187	0.000	60552849	25.6			
						RPD = 0.74			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
36 Endrin aldehyde									
1	-65	7.622	7.622	0.000	64373015	25.4			
2	2	7.302	7.301	0.001	56541098	25.1			
						RPD = 1.39			
37 Methoxychlor									
1	-65	7.781	7.780	0.001	37000089	25.4			
2	2	7.838	7.838	0.000	27947732	24.9			
						RPD = 1.73			
38 Mirex									
1	100	7.934	7.934	0.000	61353160	26.1			
2	2	8.008	8.008	0.000	47318080	26.1			
						RPD = 0.03			
39 Endosulfan sulfate									
1	-65	8.030	8.031	-0.001	70998235	25.4			
2	2	7.564	7.564	0.000	62088242	25.2			
						RPD = 0.92			
40 Endrin ketone									
1	-65	8.290	8.289	0.001	84085426	26.3			
2	2	8.052	8.052	0.000	68254406	25.7			
						RPD = 2.51			
$ 41 DCB Decachlorobiphenyl									
1	1	9.213	9.212	0.001	58911032	27.7			
2	2	9.172	9.171	0.001	53105513	27.7			
						RPD = 0.16			

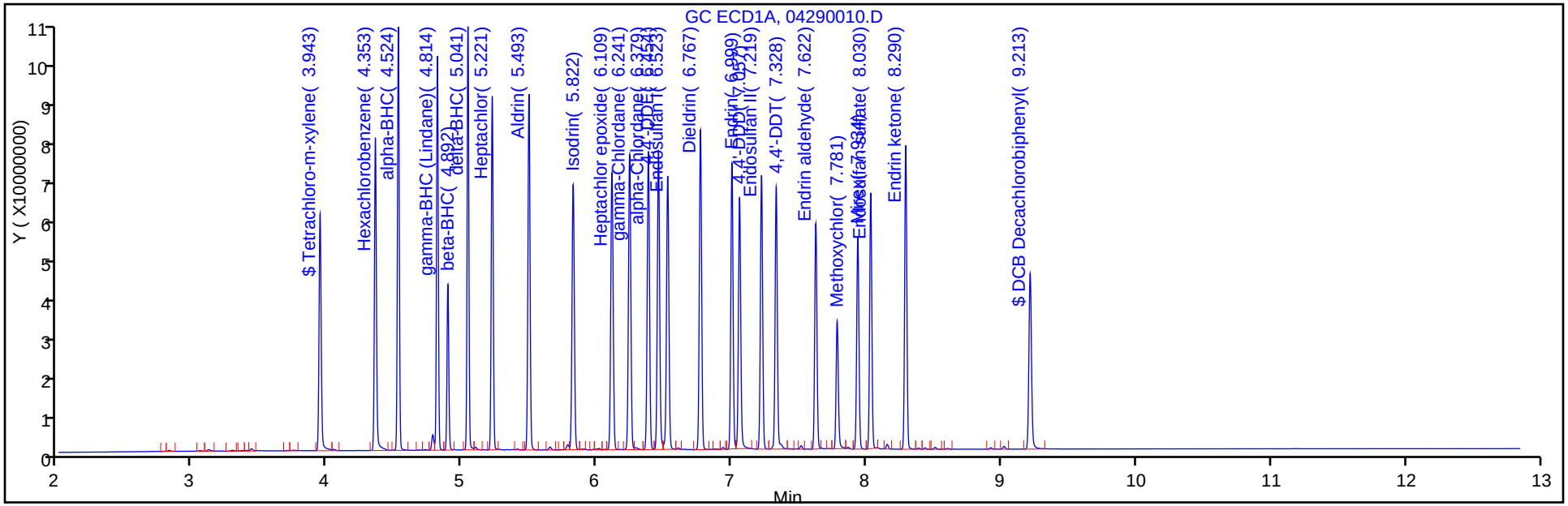
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TestAmerica Denver

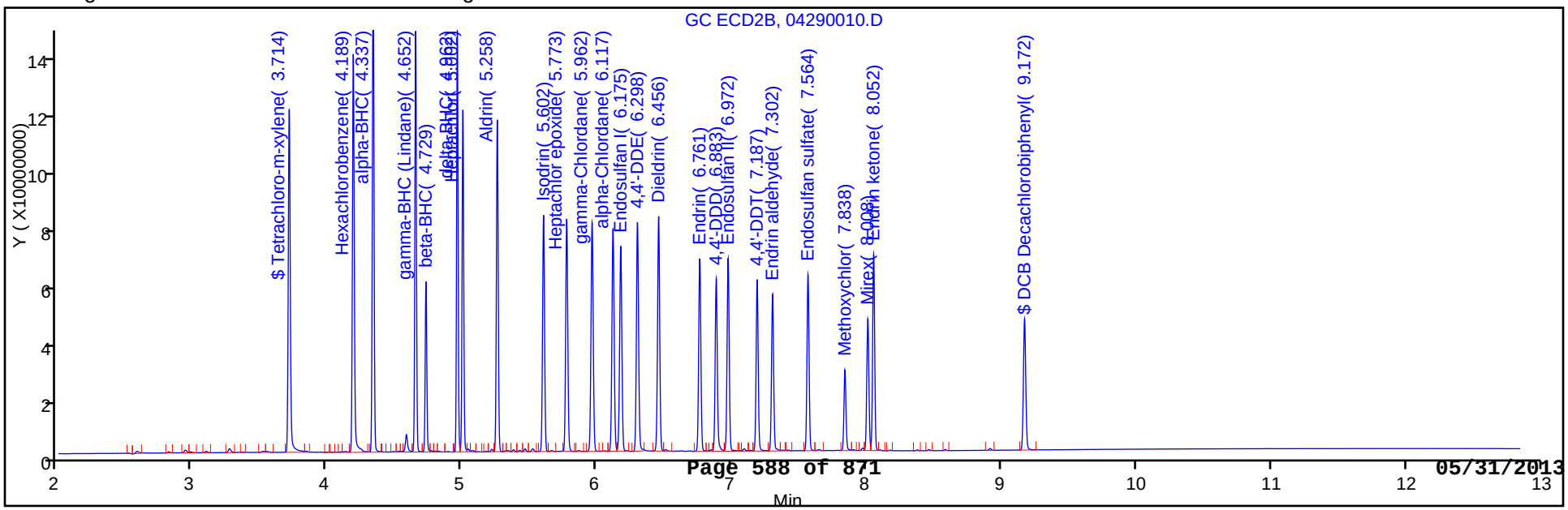
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Injection Date:	29-Apr-2013 15:33:40	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	10
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: ICV 280-171763/30 Calibration Date: 04/29/2013 21:23

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 19:38

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/29/2013 21:06

Lab File ID: 04290030.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		6135		756	1000	-24.4*	20.0
Toxaphene Peak 2	Lin2		15235		445	1000	-55.5*	20.0
Toxaphene Peak 3	Lin2		61943		982	1000	-1.8	20.0
Toxaphene Peak 4	Lin2		111277		1140	1000	13.9	20.0
Toxaphene Peak 5	Lin2		182442		1570	1000	57.2*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: ICV 280-171763/30 Calibration Date: 04/29/2013 21:23

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 19:38

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/29/2013 21:06

Lab File ID: 04290030.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.67	5.65	5.69
Toxaphene Peak 2	6.36	6.33	6.37
Toxaphene Peak 3	6.86	6.84	6.88
Toxaphene Peak 4	7.54	7.52	7.56
Toxaphene Peak 5	7.94	7.92	7.96

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290030.D
Lims ID: ICV TOX Client ID:
Inject. Date: 29-Apr-2013 21:23:51 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV TOX
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 171763 Lims Sample ID: 30
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m
Last Update: 30-Apr-2013 13:34:27 Calib Date: 29-Apr-2013 21:06:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290029.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	5.667	5.668	-0.001	6135294	756.3		100.0	M
1	-65	6.358	6.353	0.005	15234717	445.0	382.1- 422.1	248.3	M
1	-65	6.860	6.860	0.000	61942941	982.2	776.5- 816.5	1009.6	M
1	-65	7.537	7.536	0.001	111277217	1138.9	1226.9-1266.9	1813.7	M
1	-65	7.938	7.939	-0.001	182442118	1571.6	1466.0-1506.0	2973.6	M
			Average of Peak Amounts =			978.8			
2	6	5.346	5.346	0.000	7390305	828.0		100.0	M
2	7	5.627	5.627	0.000	11422844	791.6	140.0- 200.0	154.6	M
2	8	6.551	6.550	0.001	32220267	858.7	411.6- 471.6	436.0	M
2	9	7.052	7.053	-0.001	131795907	858.3	1853.2-1913.2	1783.4	M
2	10	7.783	7.783	0.000	130483493	1583.3	956.9-1016.9	1765.6	M
			Average of Peak Amounts =			984.0			
						RPD = 0.53			

QC Flag Legend

Review Flags
M - Manually Integrated

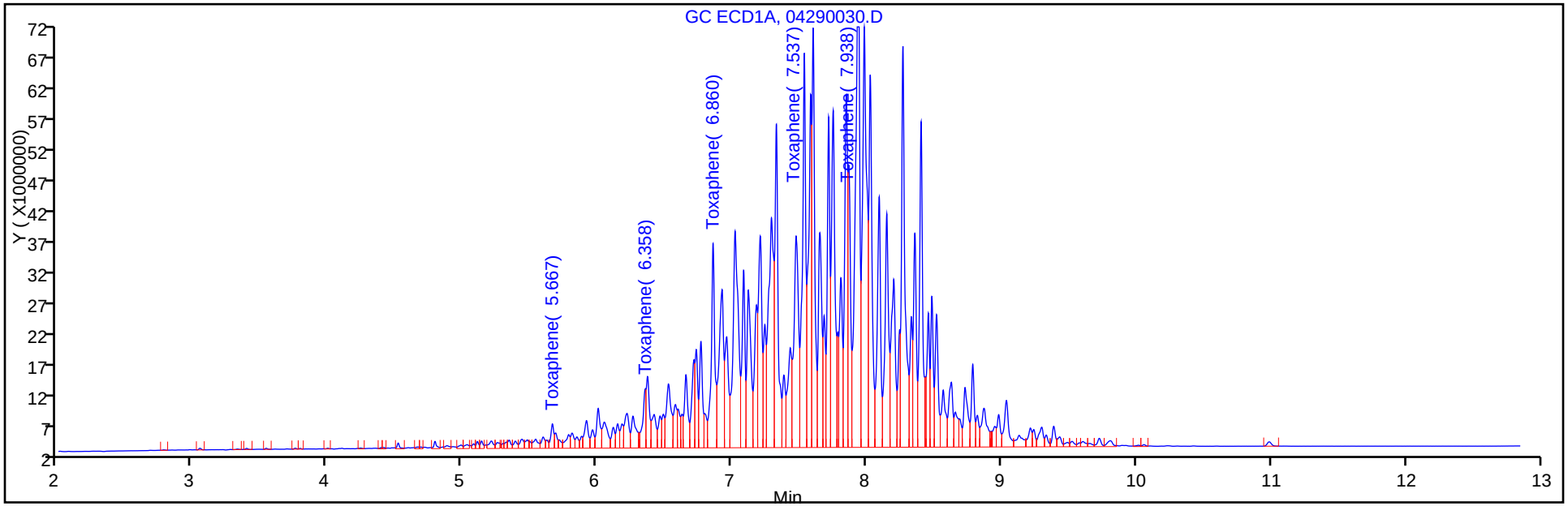
Report Date: 30-Apr-2013 13:34:27 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

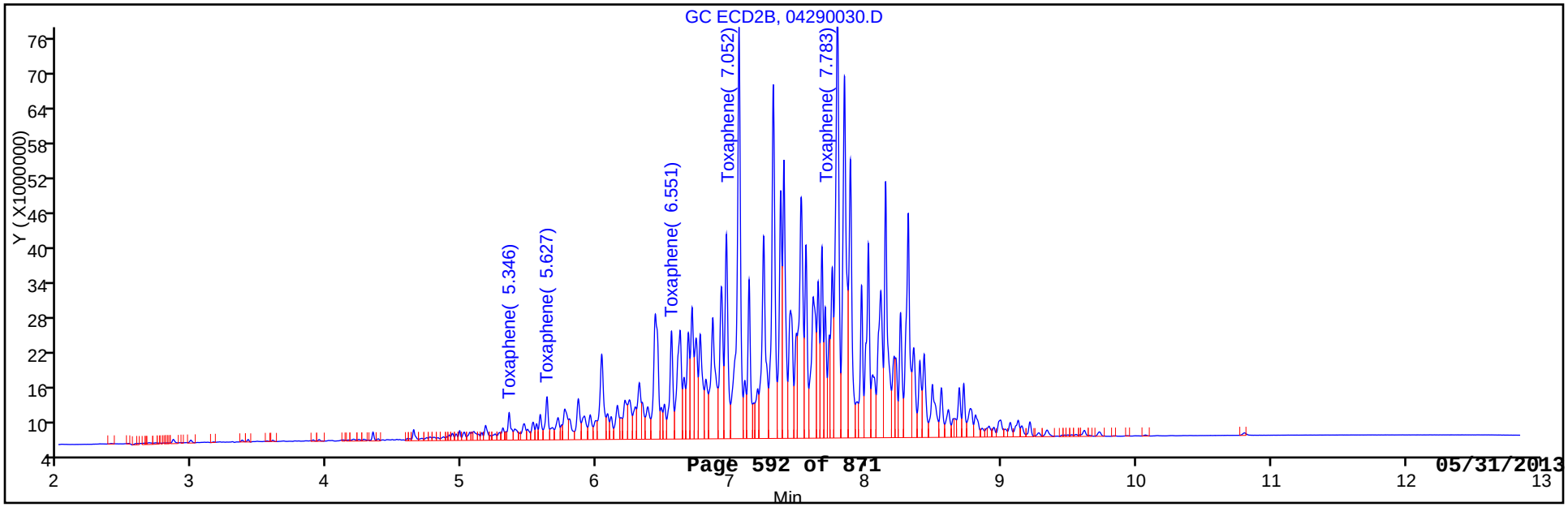
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Injection Date:	29-Apr-2013 21:23:51	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



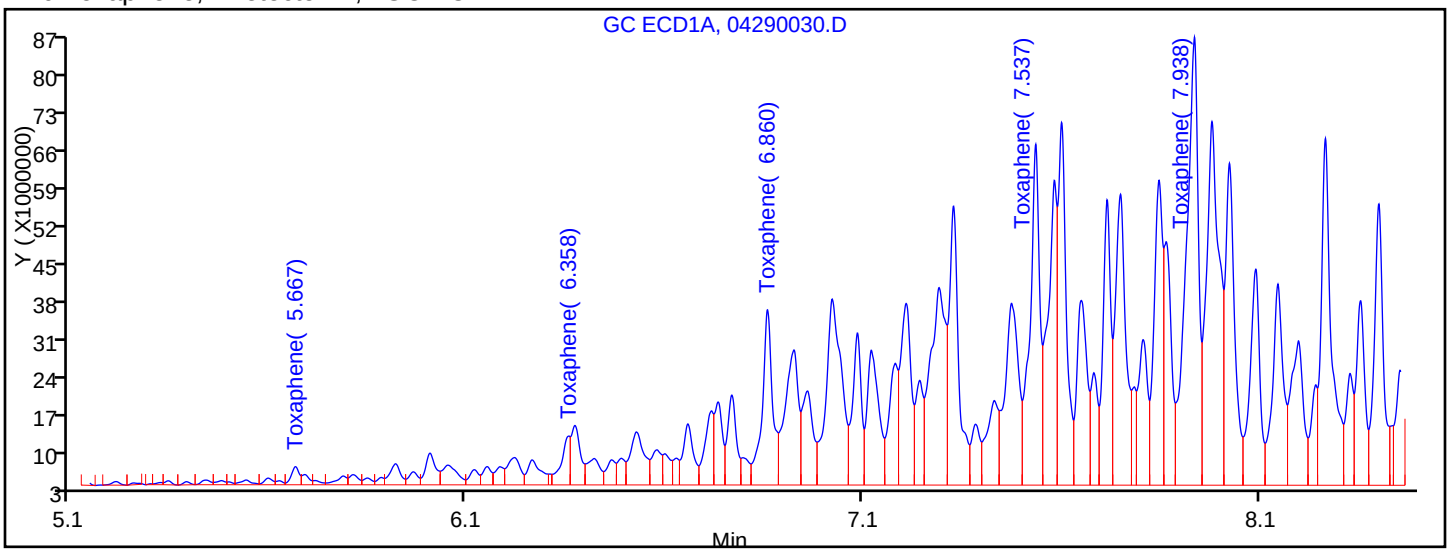
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TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290030.D

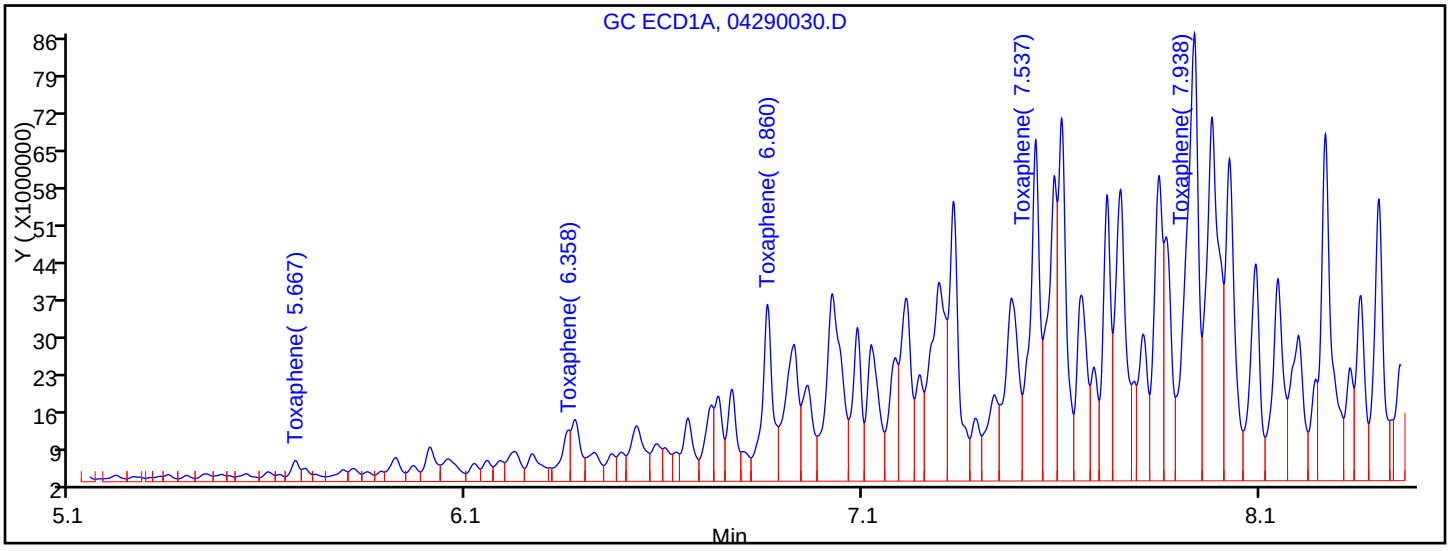
Injection Date:	29-Apr-2013 21:23:51	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.667	Response = 4698126	M
RT = 6.358	Response = 13780816	M
RT = 6.860	Response = 60000706	M
RT = 7.537	Response = 110035165	M
RT = 7.938	Response = 180978582	M



Manual Integration Results

RT = 5.667	Response = 6135294	M
RT = 6.358	Response = 15234717	M
RT = 6.860	Response = 61942941	M
RT = 7.537	Response = 111277217	M
RT = 7.938	Response = 182442118	M

Reviewer: wellsd, 30-Apr-2013 10:07:55

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: ICV 280-171763/30 Calibration Date: 04/29/2013 21:23

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 19:38

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/29/2013 21:06

Lab File ID: 04290030.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		7390		828	1000	-17.2	20.0
Toxaphene Peak 2	Lin2		11423		792	1000	-20.8*	20.0
Toxaphene Peak 3	Lin2		32220		859	1000	-14.1	20.0
Toxaphene Peak 4	Lin2		131796		858	1000	-14.2	20.0
Toxaphene Peak 5	Lin2		130483		1580	1000	58.3*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: ICV 280-171763/30 Calibration Date: 04/29/2013 21:23

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 19:38

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/29/2013 21:06

Lab File ID: 04290030.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.35	5.33	5.37
Toxaphene Peak 2	5.63	5.61	5.65
Toxaphene Peak 3	6.55	6.53	6.57
Toxaphene Peak 4	7.05	7.03	7.07
Toxaphene Peak 5	7.78	7.76	7.80

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290030.D
Lims ID: ICV TOX Client ID:
Inject. Date: 29-Apr-2013 21:23:51 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV TOX
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 171763 Lims Sample ID: 30
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\8081 P1.m
Last Update: 30-Apr-2013 13:34:27 Calib Date: 29-Apr-2013 21:06:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290029.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	5.667	5.668	-0.001	6135294	756.3		100.0	M
1	-65	6.358	6.353	0.005	15234717	445.0	382.1- 422.1	248.3	M
1	-65	6.860	6.860	0.000	61942941	982.2	776.5- 816.5	1009.6	M
1	-65	7.537	7.536	0.001	111277217	1138.9	1226.9-1266.9	1813.7	M
1	-65	7.938	7.939	-0.001	182442118	1571.6	1466.0-1506.0	2973.6	M
			Average of Peak Amounts =			978.8			
2	6	5.346	5.346	0.000	7390305	828.0		100.0	M
2	7	5.627	5.627	0.000	11422844	791.6	140.0- 200.0	154.6	M
2	8	6.551	6.550	0.001	32220267	858.7	411.6- 471.6	436.0	M
2	9	7.052	7.053	-0.001	131795907	858.3	1853.2-1913.2	1783.4	M
2	10	7.783	7.783	0.000	130483493	1583.3	956.9-1016.9	1765.6	M
			Average of Peak Amounts =			984.0			
						RPD = 0.53			

QC Flag Legend

Review Flags
M - Manually Integrated

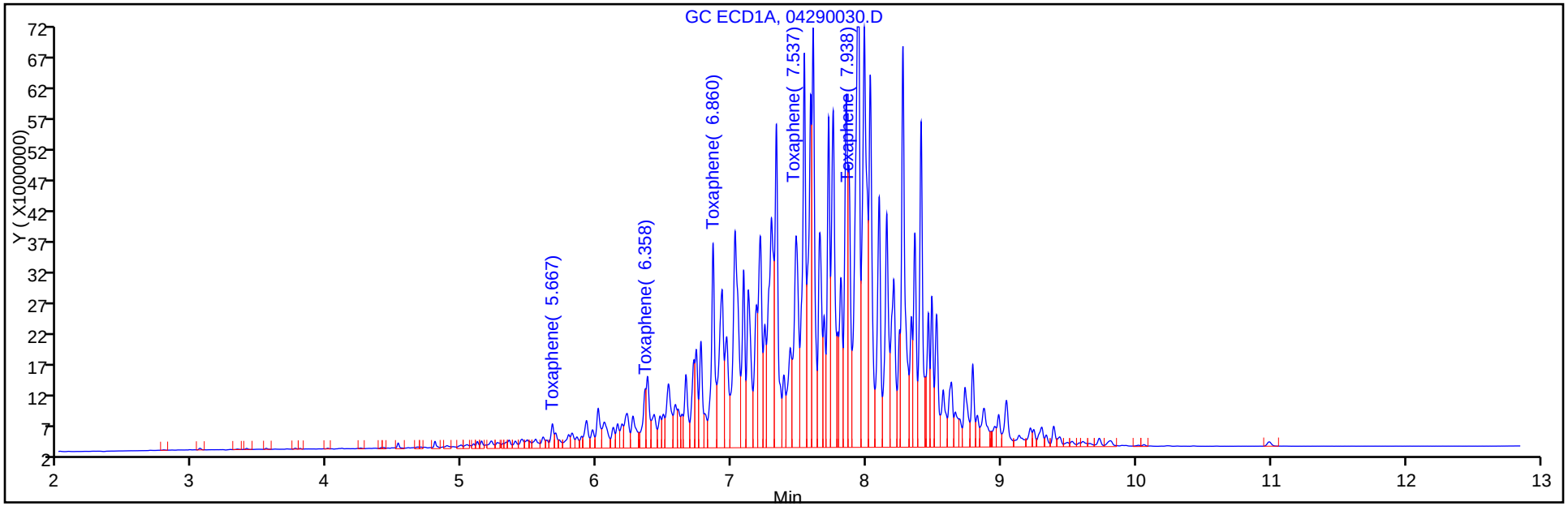
Report Date: 30-Apr-2013 13:34:28 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

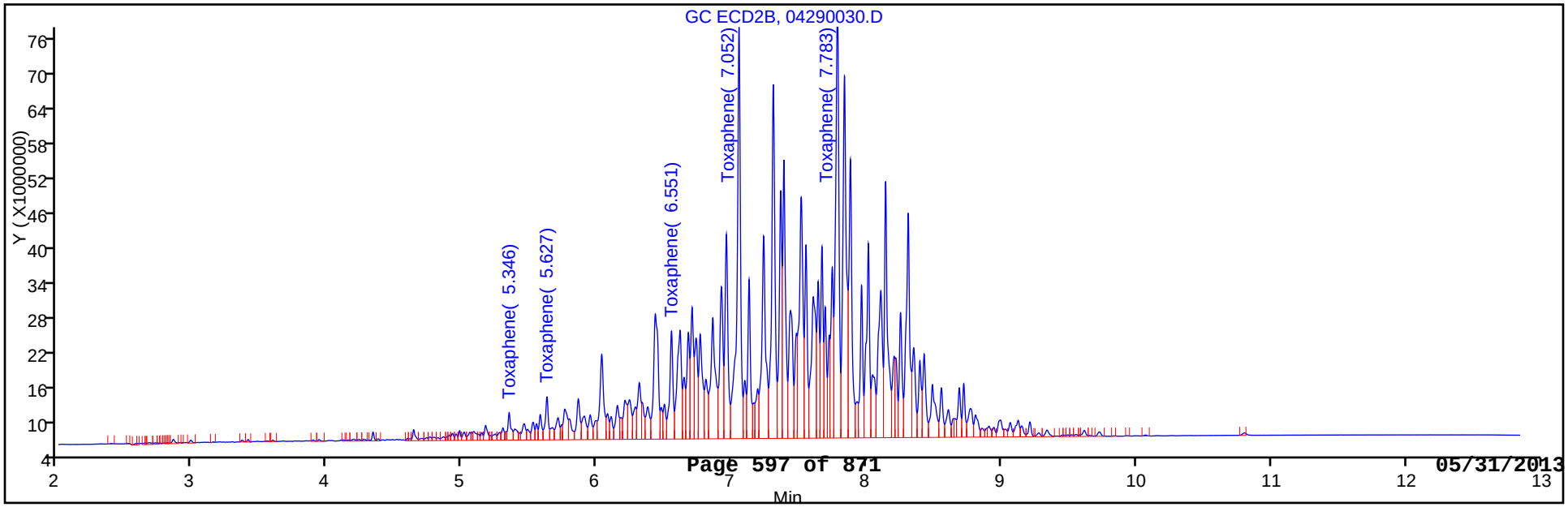
Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290030.D

Injection Date:	29-Apr-2013 21:23:51	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



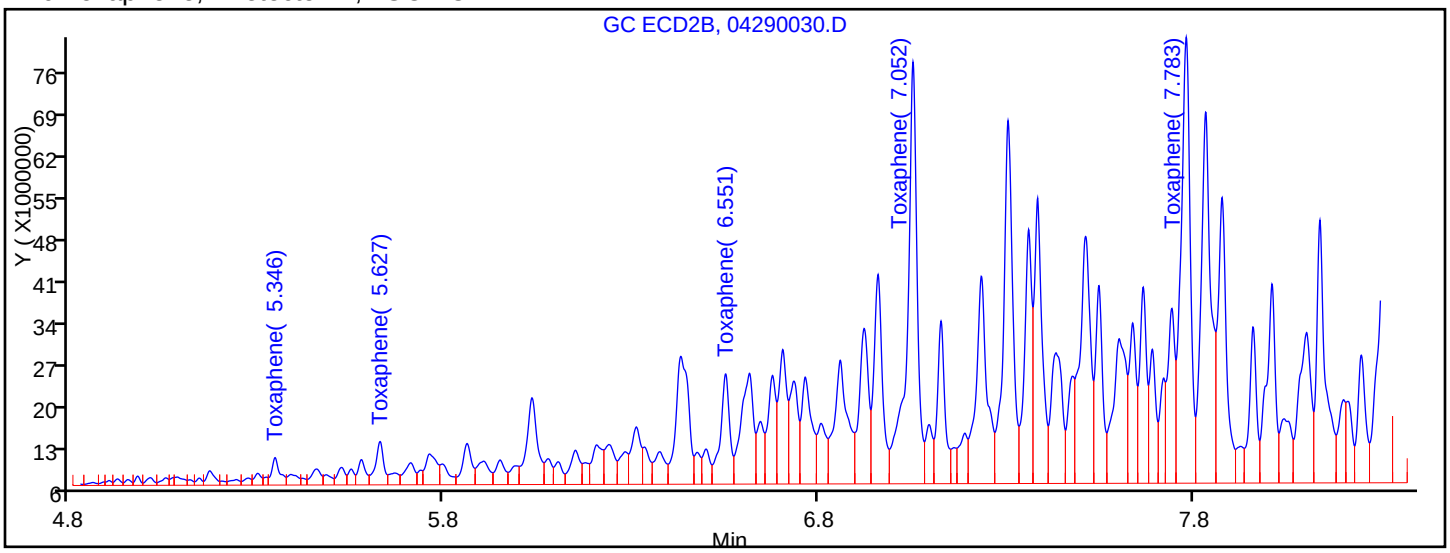
Report Date: 30-Apr-2013 13:34:28 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P1\20130429-11079.b\04290030.D

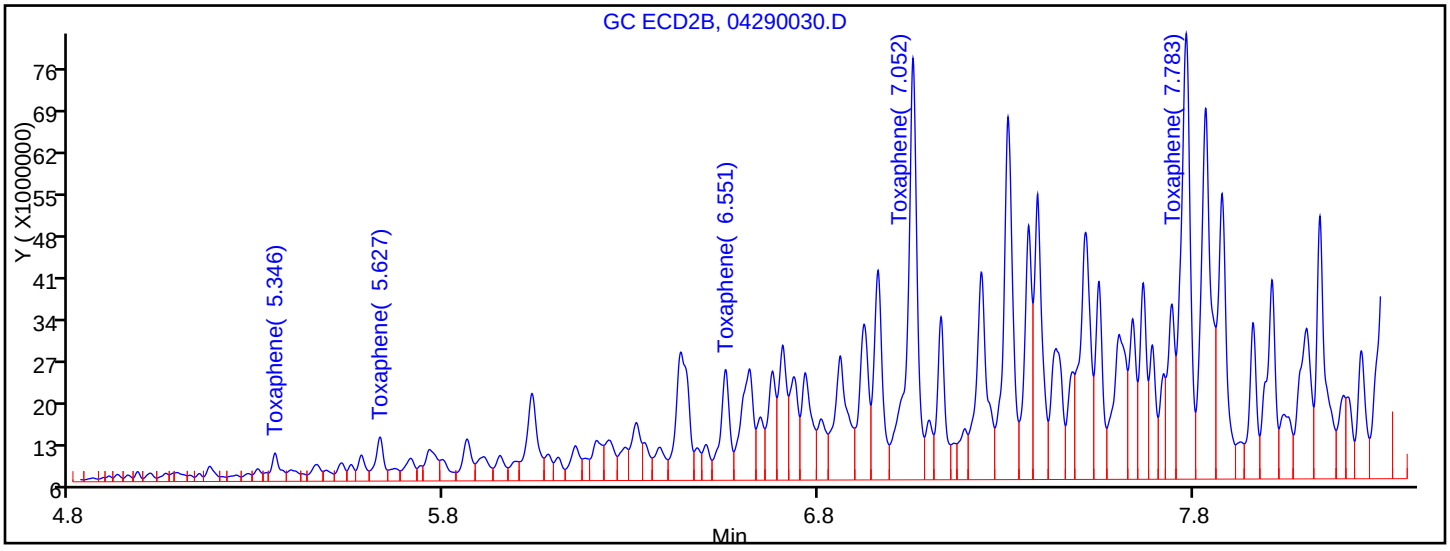
Injection Date:	29-Apr-2013 21:23:51	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	171763	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 5.346	Response = 6997909	M
RT = 5.627	Response = 11040258	M
RT = 6.551	Response = 31825570	M
RT = 7.052	Response = 131208335	M
RT = 7.783	Response = 130198685	M



Manual Integration Results

RT = 5.346	Response = 7390305	M
RT = 5.627	Response = 11422844	M
RT = 6.551	Response = 32220267	M
RT = 7.052	Response = 131795907	M
RT = 7.783	Response = 130483493	M

Reviewer: wellsd, 30-Apr-2013 10:07:55

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCVRT 280-174317/16 Calibration Date: 05/15/2013 15:41

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 13:49

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/29/2013 15:16

Lab File ID: 05150016.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		4320127		55.6	50.0	11.3	20.0
gamma-BHC (Lindane)	Lin2		3959857		56.5	50.0	13.0	20.0
beta-BHC	Lin2		1643394		56.5	50.0	12.9	20.0
delta-BHC	Lin2		4111840		55.9	50.0	11.7	20.0
Heptachlor	Lin2		3858929		57.3	50.0	14.7	20.0
Aldrin	Lin2		4092113		56.7	50.0	13.5	20.0
Heptachlor epoxide	Lin2		3784532		57.9	50.0	15.8	20.0
gamma-Chlordane	Lin2		4080784		58.3	50.0	16.5	20.0
alpha-Chlordane	Lin2		3957023		58.0	50.0	16.0	20.0
4,4'-DDE	Lin2		3987709		57.6	50.0	15.3	20.0
Endosulfan I	Lin2		3670053		58.7	50.0	17.4	20.0
Dieldrin	Lin2		4070632		58.5	50.0	17.0	20.0
Endrin	Ave	2831810	3283075		58.0	50.0	15.9	20.0
4,4'-DDD	Lin2		3211947		57.6	50.0	15.3	20.0
Endosulfan II	Lin2		3508652		59.4	50.0	18.8	20.0
4,4'-DDT	Lin2		3339245		56.5	50.0	13.1	20.0
Endrin aldehyde	Lin2		2961415		59.6	50.0	19.1	20.0
Methoxychlor	Lin2		1638209		57.3	50.0	14.5	20.0
Endosulfan sulfate	Lin2		3207009		58.2	50.0	16.3	20.0
Endrin ketone	Lin2		3712875		59.1	50.0	18.3	20.0
Tetrachloro-m-xylene	Lin2		2783084		53.6	50.0	7.2	20.0
DCB Decachlorobiphenyl	Lin2		2491917		59.7	50.0	19.4	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCVRT 280-174317/16 Calibration Date: 05/15/2013 15:41

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 13:49

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/29/2013 15:16

Lab File ID: 05150016.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.52	4.51	4.53
gamma-BHC (Lindane)	4.81	4.80	4.82
beta-BHC	4.89	4.88	4.90
delta-BHC	5.04	5.03	5.05
Heptachlor	5.22	5.21	5.23
Aldrin	5.49	5.48	5.50
Heptachlor epoxide	6.11	6.10	6.12
gamma-Chlordane	6.24	6.23	6.25
alpha-Chlordane	6.38	6.37	6.39
4,4'-DDE	6.45	6.44	6.46
Endosulfan I	6.52	6.51	6.53
Dieldrin	6.76	6.75	6.77
Endrin	7.00	6.99	7.01
4,4'-DDD	7.05	7.04	7.06
Endosulfan II	7.22	7.21	7.23
4,4'-DDT	7.33	7.32	7.34
Endrin aldehyde	7.62	7.61	7.63
Methoxychlor	7.78	7.77	7.79
Endosulfan sulfate	8.03	8.02	8.04
Endrin ketone	8.29	8.28	8.30
Tetrachloro-m-xylene	3.94	3.93	3.95
DCB Decachlorobiphenyl	9.21	9.20	9.22

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150016.D
Lims ID: CCVRT AB4 Client ID:
Inject. Date: 15-May-2013 15:41:41 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: CCVRT AB4
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 174317 Lims Sample ID: 16
Sublist: chrom-8081 P1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\8081 P1.m
Last Update: 16-May-2013 06:55:41 Calib Date: 15-May-2013 13:25:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150011.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1						176.2			
2						143.0			
						RPD = 20.82			
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						231.5			
2						189.2			
						RPD = 20.11			
$ 7 Tetrachloro-m-xylene									
1	100	3.941	3.941	0.000	139154185	53.6			
2	2	3.707	3.707	0.000	229584319	48.7			
						RPD = 9.65			
8 Hexachlorobenzene									
1	100	4.352	4.352	0.000	170073057	55.8			
2	2	4.183	4.183	0.000	234780684	48.4			
						RPD = 14.18			
10 alpha-BHC									
1	-65	4.523	4.523	0.000	216006357	55.6			
2	2	4.330	4.330	0.000	274002174	48.3			
						RPD = 14.04			
11 gamma-BHC (Lindane)									
1	-65	4.813	4.813	0.000	197992833	56.5			
2	2	4.645	4.645	0.000	216759491	48.1			
						RPD = 16.16			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									
1	100	4.890	4.890	0.000	82169678	56.5			
2	2	4.721	4.721	0.000	88117468	49.0			
						RPD = 14.24			
13 delta-BHC									
1	100	5.039	5.039	0.000	205591980	55.9			
2	2	4.954	4.954	0.000	210819594	48.8			
						RPD = 13.54			
15 Heptachlor									
1	100	5.219	5.219	0.000	192946454	57.3			
2	2	4.995	4.995	0.000	163204454	44.1			
						RPD = 26.05			
16 Aldrin									
1	-65	5.492	5.492	0.000	204605661	56.7			
2	2	5.250	5.250	0.000	190339616	48.6			
						RPD = 15.47			
18 Isodrin									
1	100	5.819	5.819	0.000	193000117	57.4			
2	2	5.592	5.592	0.000	167829499	48.3			
						RPD = 17.14			
22 Heptachlor epoxide									
1	-65	6.107	6.107	0.000	189226576	57.9			
2	2	5.763	5.763	0.000	155681799	48.6			
						RPD = 17.46			
23 gamma-Chlordane									
1	-65	6.239	6.239	0.000	204039186	58.3			
2	2	5.950	5.950	0.000	163037238	47.8			
						RPD = 19.64			
24 alpha-Chlordane									
1	-65	6.377	6.377	0.000	197851135	58.0			
2	2	6.105	6.105	0.000	160458144	48.6			
						RPD = 17.58			
25 4,4'-DDE									
1	-65	6.452	6.452	0.000	199385474	57.6			
2	2	6.287	6.287	0.000	172822475	50.9			
						RPD = 12.43			
26 Endosulfan I									
1	100	6.520	6.520	0.000	183502632	58.7			
2	2	6.162	6.162	0.000	145953704	49.2			
						RPD = 17.60			
28 Dieldrin									
1	100	6.764	6.764	0.000	203531576	58.5			
2	2	6.444	6.444	0.000	158038839	48.4			
						RPD = 18.95			
30 Endrin									
1	-65	6.998	6.998	0.000	164153745	58.0			
2	2	6.749	6.749	0.000	122035573	48.9			
						RPD = 16.95			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
32 4,4'-DDD									
1	100	7.054	7.054	0.000	160597365	57.6			
2	2	6.871	6.871	0.000	109996742	44.9			
						RPD = 24.78			
34 Endosulfan II									
1	100	7.217	7.217	0.000	175432581	59.4			
2	2	6.960	6.960	0.000	127599652	47.5			
						RPD = 22.14			
35 4,4'-DDT									
1	-65	7.326	7.326	0.000	166962252	56.5			
2	2	7.176	7.176	0.000	98625771	41.8			
						RPD = 29.85			
36 Endrin aldehyde									
1	-65	7.620	7.620	0.000	148070738	59.6			
2	2	7.290	7.290	0.000	106767439	48.0			
						RPD = 21.57			
37 Methoxychlor									
1	-65	7.779	7.779	0.000	81910426	57.3			
2	2	7.827	7.827	0.000	45280444	40.8			
						RPD = 33.66			
38 Mirex									
1	100	7.932	7.932	0.000	133623096	57.8			
2	2	7.996	7.996	0.000	81707578	45.6			
						RPD = 23.51			
39 Endosulfan sulfate									
1	-65	8.029	8.029	0.000	160350432	58.2			
2	2	7.553	7.553	0.000	112805300	46.3			
						RPD = 22.80			
40 Endrin ketone									
1	-65	8.288	8.288	0.000	185643749	59.1			
2	2	8.040	8.040	0.000	116250312	44.2			
						RPD = 28.98			
$ 41 DCB Decachlorobiphenyl									
1	1	9.210	9.210	0.000	124595863	59.7			
2	2	9.159	9.159	0.000	94668117	49.9			
						RPD = 17.97			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

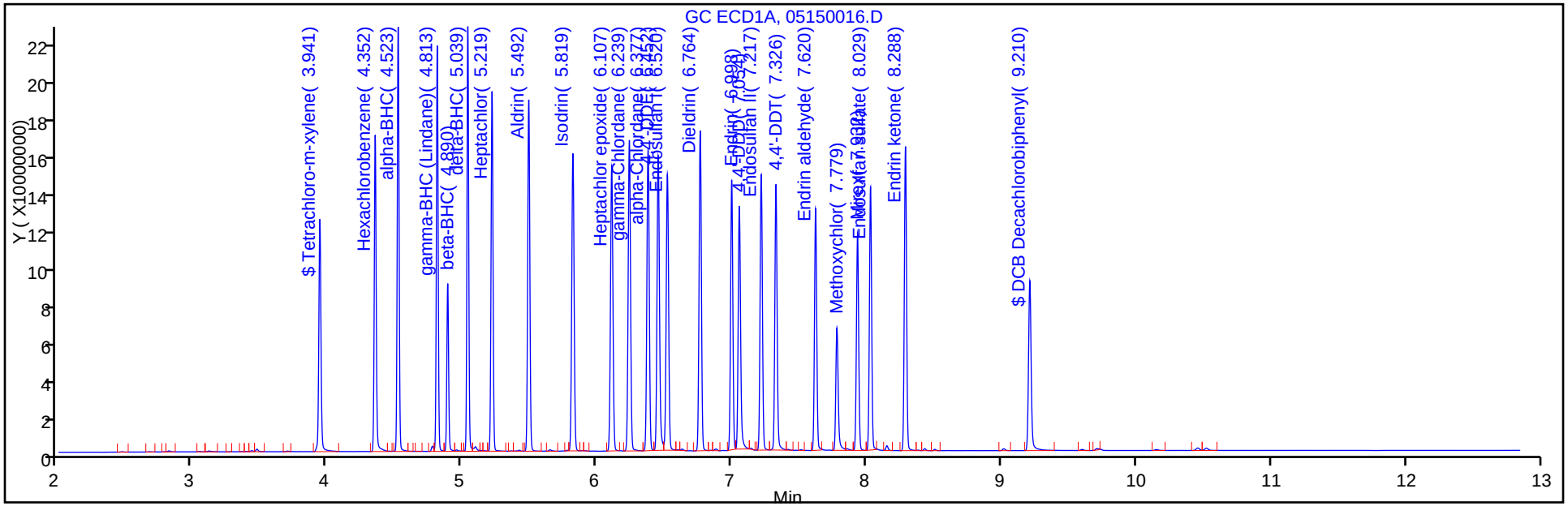
Report Date: 16-May-2013 06:55:41 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

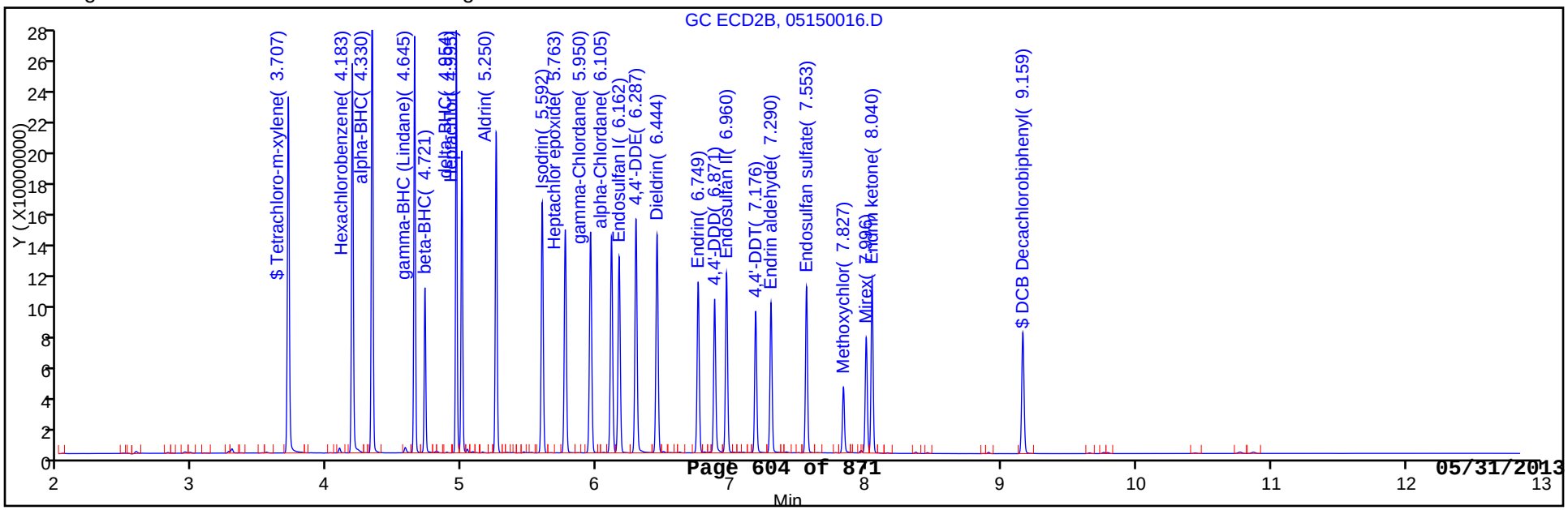
Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150016.D

Injection Date:	15-May-2013 15:41:41	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	16
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCVRT 280-174317/16 Calibration Date: 05/15/2013 15:41

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 13:49

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/29/2013 15:16

Lab File ID: 05150016.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		5480043		48.3	50.0	-3.3	20.0
gamma-BHC (Lindane)	Lin2		4335190		48.1	50.0	-3.9	20.0
beta-BHC	Lin2		1762349		49.0	50.0	-2.1	20.0
delta-BHC	Lin2		4216392		48.8	50.0	-2.4	20.0
Heptachlor	Lin2		3264089		44.1	50.0	-11.7	20.0
Aldrin	Lin2		3806792		48.6	50.0	-2.8	20.0
Heptachlor epoxide	Lin2		3113636		48.6	50.0	-2.8	20.0
gamma-Chlordane	Lin2		3260745		47.8	50.0	-4.3	20.0
alpha-Chlordane	Lin2		3209163		48.6	50.0	-2.7	20.0
Endosulfan I	Lin2		2919074		49.2	50.0	-1.6	20.0
4,4'-DDE	Lin2		3456450		50.9	50.0	1.8	20.0
Dieldrin	Lin2		3160777		48.4	50.0	-3.2	20.0
Endrin	Lin2		2440711		48.9	50.0	-2.2	20.0
4,4'-DDD	Lin2		2199935		44.9	50.0	-10.1	20.0
Endosulfan II	Lin2		2551993		47.5	50.0	-4.9	20.0
4,4'-DDT	Lin2		1972515		41.8	50.0	-16.3	20.0
Endrin aldehyde	Lin2		2135349		48.0	50.0	-4.1	20.0
Endosulfan sulfate	Lin2		2256106		46.3	50.0	-7.5	20.0
Methoxychlor	Lin2		905609		40.8	50.0	-18.5	20.0
Endrin ketone	Lin2		2325006		44.2	50.0	-11.7	20.0
Tetrachloro-m-xylene	Lin2		4591686		48.7	50.0	-2.7	20.0
DCB Decachlorobiphenyl	Lin2		1893362		49.9	50.0	-0.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCVRT 280-174317/16 Calibration Date: 05/15/2013 15:41

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 13:49

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/29/2013 15:16

Lab File ID: 05150016.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.33	4.32	4.34
gamma-BHC (Lindane)	4.65	4.64	4.66
beta-BHC	4.72	4.71	4.73
delta-BHC	4.95	4.94	4.96
Heptachlor	5.00	4.99	5.01
Aldrin	5.25	5.24	5.26
Heptachlor epoxide	5.76	5.75	5.77
gamma-Chlordane	5.95	5.94	5.96
alpha-Chlordane	6.11	6.10	6.12
Endosulfan I	6.16	6.15	6.17
4,4'-DDE	6.29	6.28	6.30
Dieldrin	6.44	6.43	6.45
Endrin	6.75	6.74	6.76
4,4'-DDD	6.87	6.86	6.88
Endosulfan II	6.96	6.95	6.97
4,4'-DDT	7.18	7.17	7.19
Endrin aldehyde	7.29	7.28	7.30
Endosulfan sulfate	7.55	7.54	7.56
Methoxychlor	7.83	7.82	7.84
Endrin ketone	8.04	8.03	8.05
Tetrachloro-m-xylene	3.71	3.70	3.72
DCB Decachlorobiphenyl	9.16	9.15	9.17

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150016.D
Lims ID: CCVRT AB4 Client ID:
Inject. Date: 15-May-2013 15:41:41 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: CCVRT AB4
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 174317 Lims Sample ID: 16
Sublist: chrom-8081 P1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\8081 P1.m
Last Update: 16-May-2013 06:55:41 Calib Date: 15-May-2013 13:25:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150011.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1						176.2			
2						143.0			
						RPD = 20.82			
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						231.5			
2						189.2			
						RPD = 20.11			
$ 7 Tetrachloro-m-xylene									
1	100	3.941	3.941	0.000	139154185	53.6			
2	2	3.707	3.707	0.000	229584319	48.7			
						RPD = 9.65			
8 Hexachlorobenzene									
1	100	4.352	4.352	0.000	170073057	55.8			
2	2	4.183	4.183	0.000	234780684	48.4			
						RPD = 14.18			
10 alpha-BHC									
1	-65	4.523	4.523	0.000	216006357	55.6			
2	2	4.330	4.330	0.000	274002174	48.3			
						RPD = 14.04			
11 gamma-BHC (Lindane)									
1	-65	4.813	4.813	0.000	197992833	56.5			
2	2	4.645	4.645	0.000	216759491	48.1			
						RPD = 16.16			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									
1	100	4.890	4.890	0.000	82169678	56.5			
2	2	4.721	4.721	0.000	88117468	49.0			
						RPD = 14.24			
13 delta-BHC									
1	100	5.039	5.039	0.000	205591980	55.9			
2	2	4.954	4.954	0.000	210819594	48.8			
						RPD = 13.54			
15 Heptachlor									
1	100	5.219	5.219	0.000	192946454	57.3			
2	2	4.995	4.995	0.000	163204454	44.1			
						RPD = 26.05			
16 Aldrin									
1	-65	5.492	5.492	0.000	204605661	56.7			
2	2	5.250	5.250	0.000	190339616	48.6			
						RPD = 15.47			
18 Isodrin									
1	100	5.819	5.819	0.000	193000117	57.4			
2	2	5.592	5.592	0.000	167829499	48.3			
						RPD = 17.14			
22 Heptachlor epoxide									
1	-65	6.107	6.107	0.000	189226576	57.9			
2	2	5.763	5.763	0.000	155681799	48.6			
						RPD = 17.46			
23 gamma-Chlordane									
1	-65	6.239	6.239	0.000	204039186	58.3			
2	2	5.950	5.950	0.000	163037238	47.8			
						RPD = 19.64			
24 alpha-Chlordane									
1	-65	6.377	6.377	0.000	197851135	58.0			
2	2	6.105	6.105	0.000	160458144	48.6			
						RPD = 17.58			
25 4,4'-DDE									
1	-65	6.452	6.452	0.000	199385474	57.6			
2	2	6.287	6.287	0.000	172822475	50.9			
						RPD = 12.43			
26 Endosulfan I									
1	100	6.520	6.520	0.000	183502632	58.7			
2	2	6.162	6.162	0.000	145953704	49.2			
						RPD = 17.60			
28 Dieldrin									
1	100	6.764	6.764	0.000	203531576	58.5			
2	2	6.444	6.444	0.000	158038839	48.4			
						RPD = 18.95			
30 Endrin									
1	-65	6.998	6.998	0.000	164153745	58.0			
2	2	6.749	6.749	0.000	122035573	48.9			
						RPD = 16.95			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
32 4,4'-DDD									
1	100	7.054	7.054	0.000	160597365	57.6			
2	2	6.871	6.871	0.000	109996742	44.9			
						RPD = 24.78			
34 Endosulfan II									
1	100	7.217	7.217	0.000	175432581	59.4			
2	2	6.960	6.960	0.000	127599652	47.5			
						RPD = 22.14			
35 4,4'-DDT									
1	-65	7.326	7.326	0.000	166962252	56.5			
2	2	7.176	7.176	0.000	98625771	41.8			
						RPD = 29.85			
36 Endrin aldehyde									
1	-65	7.620	7.620	0.000	148070738	59.6			
2	2	7.290	7.290	0.000	106767439	48.0			
						RPD = 21.57			
37 Methoxychlor									
1	-65	7.779	7.779	0.000	81910426	57.3			
2	2	7.827	7.827	0.000	45280444	40.8			
						RPD = 33.66			
38 Mirex									
1	100	7.932	7.932	0.000	133623096	57.8			
2	2	7.996	7.996	0.000	81707578	45.6			
						RPD = 23.51			
39 Endosulfan sulfate									
1	-65	8.029	8.029	0.000	160350432	58.2			
2	2	7.553	7.553	0.000	112805300	46.3			
						RPD = 22.80			
40 Endrin ketone									
1	-65	8.288	8.288	0.000	185643749	59.1			
2	2	8.040	8.040	0.000	116250312	44.2			
						RPD = 28.98			
$ 41 DCB Decachlorobiphenyl									
1	1	9.210	9.210	0.000	124595863	59.7			
2	2	9.159	9.159	0.000	94668117	49.9			
						RPD = 17.97			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

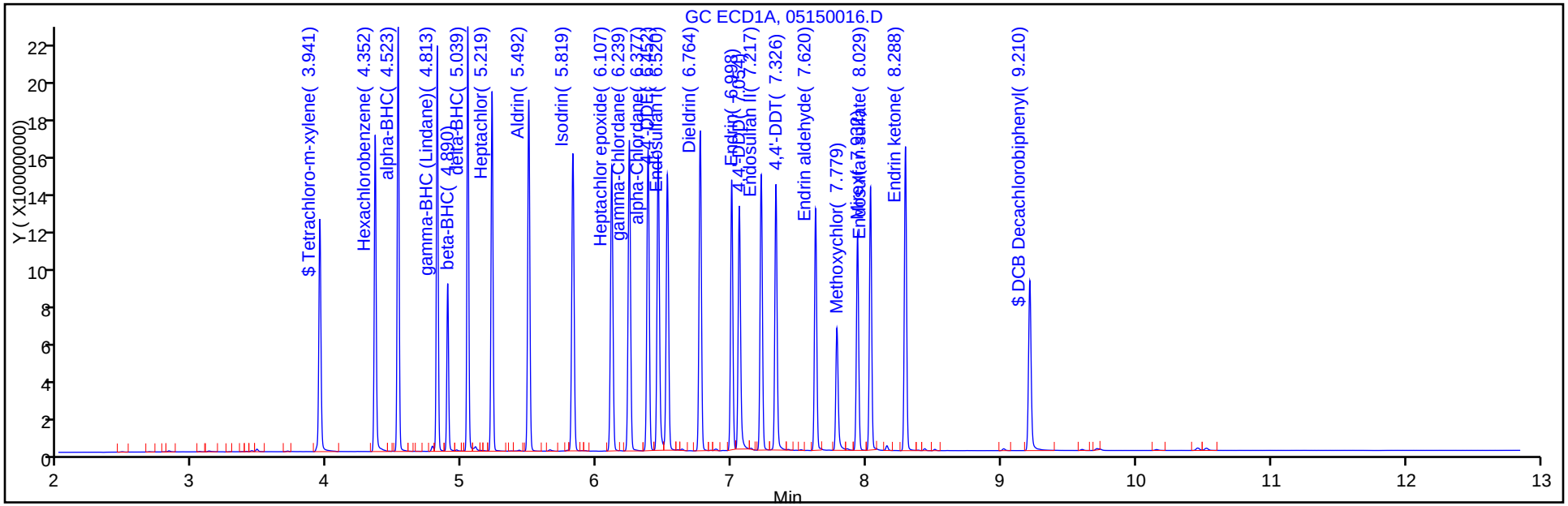
Report Date: 16-May-2013 06:55:41 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

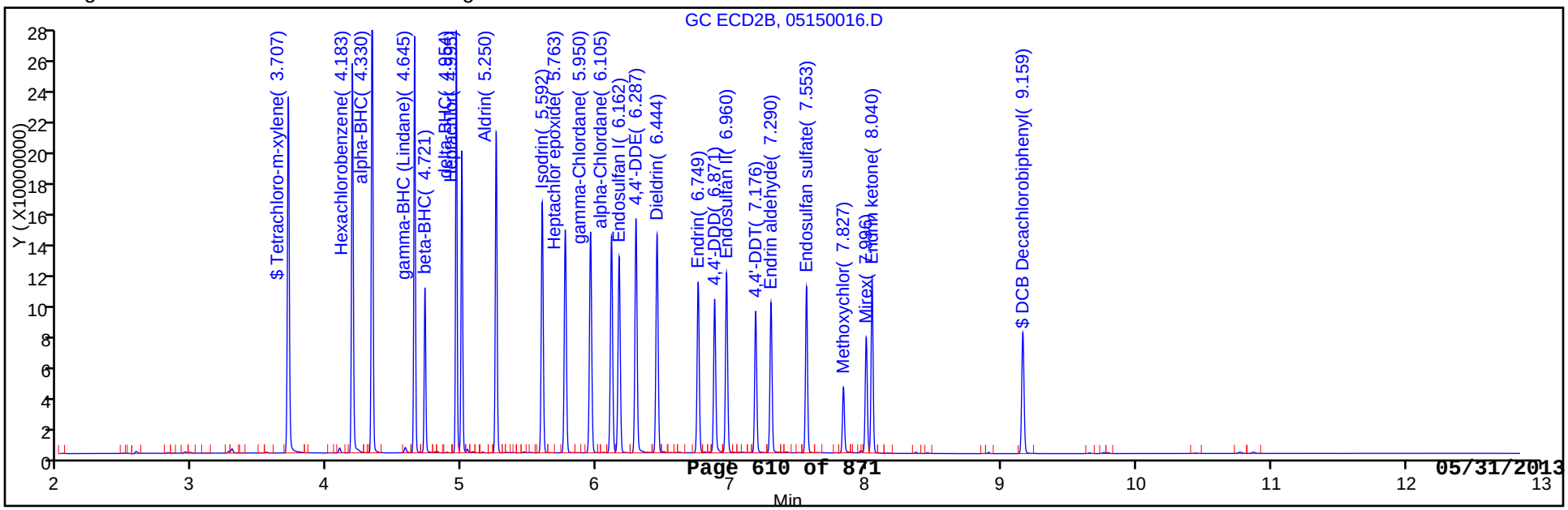
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Injection Date:	15-May-2013 15:41:41	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	16
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-174317/17 Calibration Date: 05/15/2013 15:59

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 19:38

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/29/2013 21:06

Lab File ID: 05150017.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		9741		206	200	2.8	20.0
Toxaphene Peak 2	Lin2		39803		223	200	11.6	20.0
Toxaphene Peak 3	Lin2		76450		210	200	4.8	20.0
Toxaphene Peak 4	Lin2		118513		219	200	9.7	20.0
Toxaphene Peak 5	Lin2		144555		225	200	12.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-174317/17 Calibration Date: 05/15/2013 15:59

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 19:38

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/29/2013 21:06

Lab File ID: 05150017.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.67	5.65	5.69
Toxaphene Peak 2	6.35	6.33	6.37
Toxaphene Peak 3	6.86	6.84	6.88
Toxaphene Peak 4	7.53	7.51	7.55
Toxaphene Peak 5	7.94	7.92	7.96

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150017.D
Lims ID: CCV TOX1 Client ID:
Inject. Date: 15-May-2013 15:59:09 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV TOX1
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 174317 Lims Sample ID: 17
Sublist: chrom-8081 P1*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\8081 P1.m
Last Update: 16-May-2013 06:55:42 Calib Date: 15-May-2013 13:25:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150011.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 16-May-2013 06:54:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	5.667	5.667	0.000	1948110	205.5		100.0	M
1	-65	6.352	6.352	0.000	7960542	223.2	382.1- 422.1	408.6	M
1	-65	6.859	6.859	0.000	15290054	209.6	776.5- 816.5	784.9	M
1	-65	7.534	7.534	0.000	23702594	219.5	1226.9-1266.9	1216.7	M
1	-65	7.937	7.937	0.000	28911083	225.4	1466.0-1506.0	1484.1	M
			Average of Peak Amounts =			216.6			
2	6	5.339	5.339	0.000	2827368	240.5		100.0	M
2	7	5.619	5.619	0.000	3313949	180.3	140.0- 200.0	117.2	M
2	8	6.540	6.540	0.000	8812473	197.1	411.6- 471.6	311.7	M
2	9	7.044	7.044	0.000	32658009	188.4	1853.2-1913.2	1155.1	M
2	10	7.773	7.773	0.000	16420890	184.6	956.9-1016.9	580.8	M
			Average of Peak Amounts =			198.2			
						RPD = 8.89			

QC Flag Legend

Review Flags
M - Manually Integrated

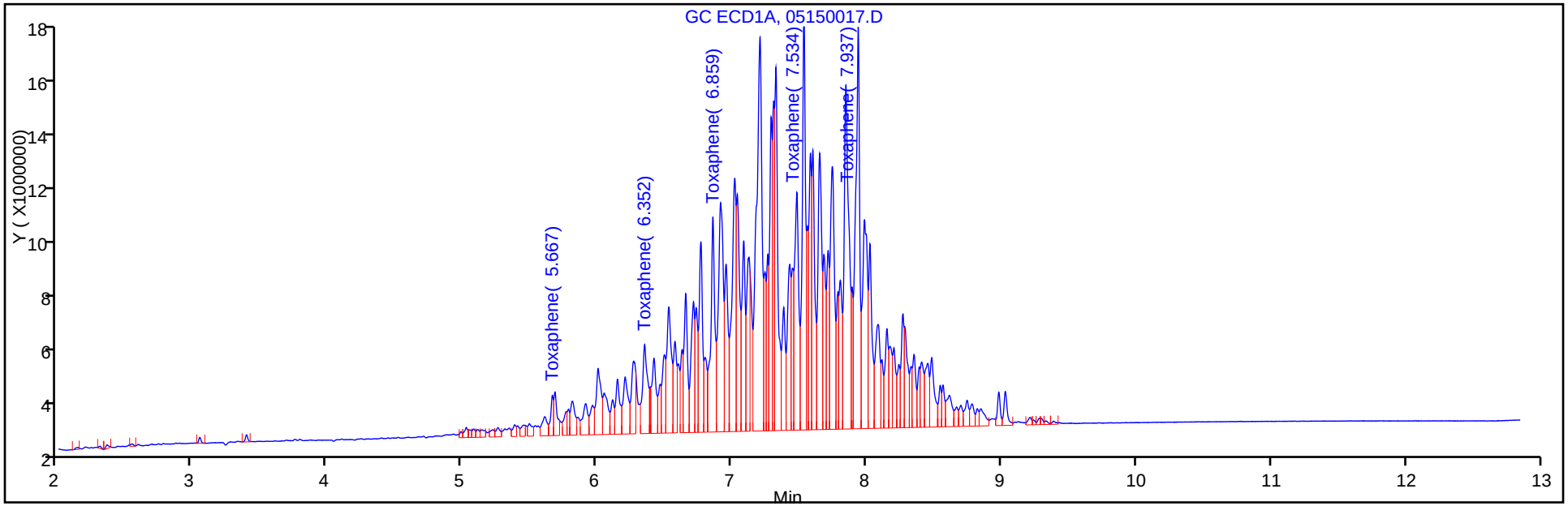
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TestAmerica Denver

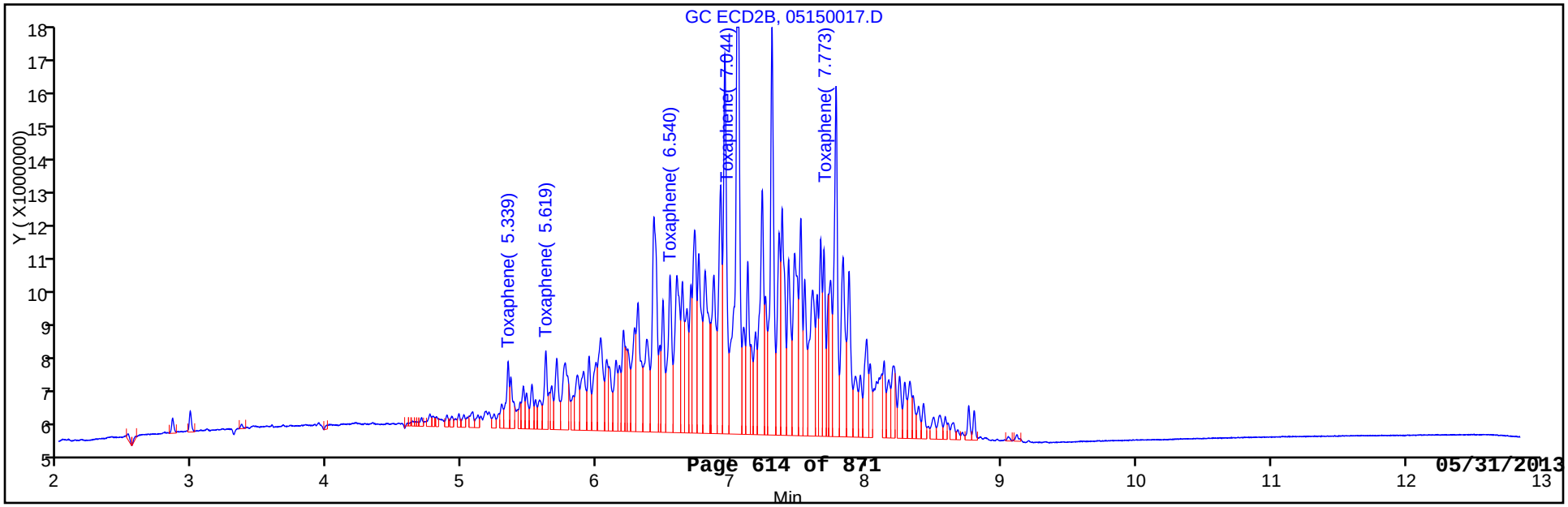
Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150017.D

Injection Date:	15-May-2013 15:59:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	17
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



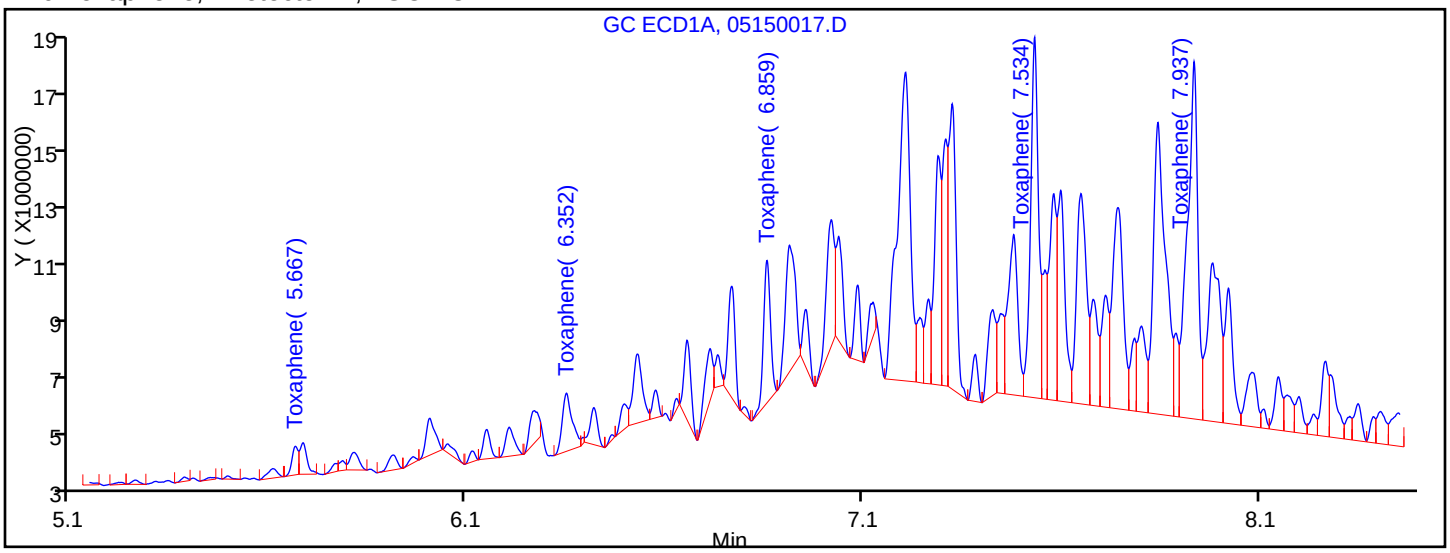
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TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150017.D

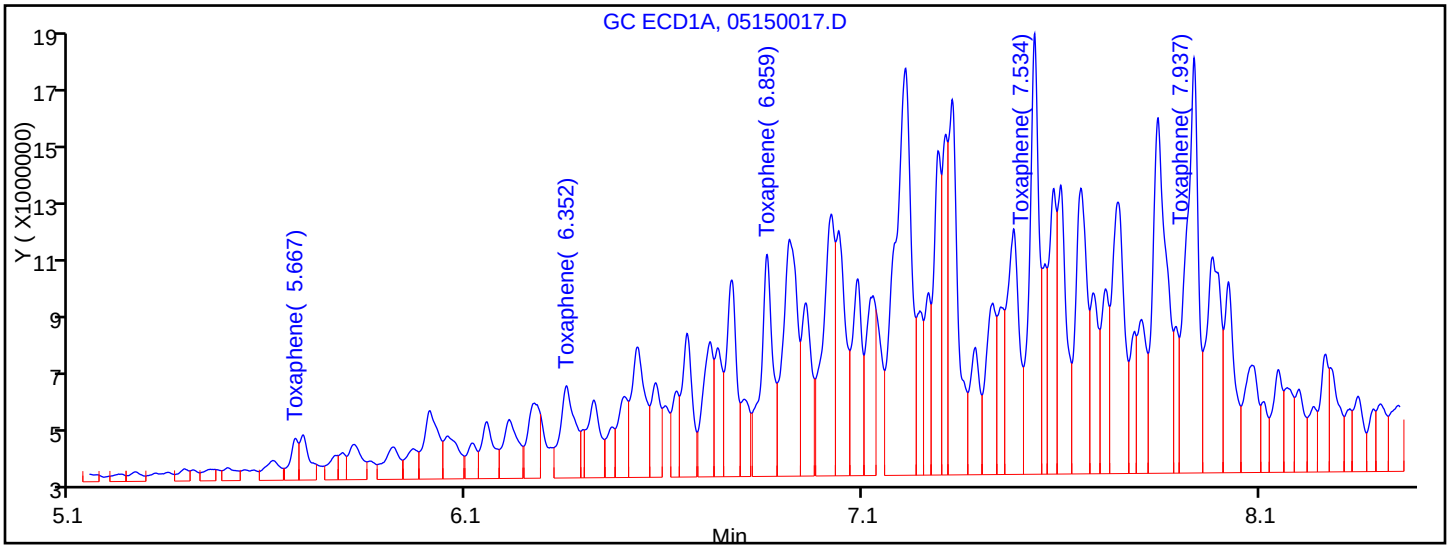
Injection Date:	15-May-2013 15:59:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	17
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.667	Response = 1015286	M
RT = 6.352	Response = 3315406	M
RT = 6.859	Response = 5660082	M
RT = 7.534	Response = 16095363	M
RT = 7.937	Response = 21669337	M



Manual Integration Results

RT = 5.667	Response = 1948110	M
RT = 6.352	Response = 7960542	M
RT = 6.859	Response = 15290054	M
RT = 7.534	Response = 23702594	M
RT = 7.937	Response = 28911083	M

Reviewer: wellsd, 16-May-2013 06:54:05

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-174317/27 Calibration Date: 05/15/2013 18:54

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 13:49

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/29/2013 15:16

Lab File ID: 05150027.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		4364079		56.2	50.0	12.4	20.0
gamma-BHC (Lindane)	Lin2		4008949		57.2	50.0	14.4	20.0
beta-BHC	Lin2		1661378		57.1	50.0	14.2	20.0
delta-BHC	Lin2		4171958		56.7	50.0	13.4	20.0
Heptachlor	Lin2		3902759		58.0	50.0	16.0	20.0
Aldrin	Lin2		4125130		57.2	50.0	14.4	20.0
Heptachlor epoxide	Lin2		3827926		58.6	50.0	17.2	20.0
gamma-Chlordane	Lin2		4100324		58.5	50.0	17.1	20.0
alpha-Chlordane	Lin2		3870835		56.7	50.0	13.5	20.0
4,4'-DDE	Lin2		4009082		58.0	50.0	15.9	20.0
Endosulfan I	Lin2		3665633		58.6	50.0	17.3	20.0
Dieldrin	Lin2		4081244		58.7	50.0	17.3	20.0
Endrin	Ave	2831810	3343922		59.0	50.0	18.1	20.0
4,4'-DDD	Lin2		3254776		58.4	50.0	16.8	20.0
Endosulfan II	Lin2		3349885		56.7	50.0	13.3	20.0
4,4'-DDT	Lin2		3339476		56.5	50.0	13.1	20.0
Endrin aldehyde	Lin2		2953027		59.4	50.0	18.8	20.0
Methoxychlor	Lin2		1625219		56.8	50.0	13.6	20.0
Endosulfan sulfate	Lin2		3210582		58.2	50.0	16.4	20.0
Endrin ketone	Lin2		3699203		58.9	50.0	17.8	20.0
Tetrachloro-m-xylene	Lin2		2815775		54.2	50.0	8.4	20.0
DCB Decachlorobiphenyl	Lin2		2432473		58.3	50.0	16.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-174317/27 Calibration Date: 05/15/2013 18:54

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 13:49

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/29/2013 15:16

Lab File ID: 05150027.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.52	4.51	4.53
gamma-BHC (Lindane)	4.81	4.80	4.82
beta-BHC	4.89	4.88	4.90
delta-BHC	5.04	5.03	5.05
Heptachlor	5.22	5.21	5.23
Aldrin	5.49	5.48	5.50
Heptachlor epoxide	6.11	6.10	6.12
gamma-Chlordane	6.24	6.23	6.25
alpha-Chlordane	6.38	6.37	6.39
4,4'-DDE	6.45	6.44	6.46
Endosulfan I	6.52	6.51	6.53
Dieldrin	6.76	6.75	6.77
Endrin	7.00	6.99	7.01
4,4'-DDD	7.05	7.04	7.06
Endosulfan II	7.22	7.21	7.23
4,4'-DDT	7.32	7.32	7.34
Endrin aldehyde	7.62	7.61	7.63
Methoxychlor	7.78	7.77	7.79
Endosulfan sulfate	8.03	8.02	8.04
Endrin ketone	8.29	8.28	8.30
Tetrachloro-m-xylene	3.94	3.93	3.95
DCB Decachlorobiphenyl	9.21	9.20	9.22

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150027.D
Lims ID: CCV AB4 Client ID:
Inject. Date: 15-May-2013 18:54:10 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB4
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 19
Lims Batch ID: 174317 Lims Sample ID: 27
Sublist: chrom-8081 P1*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\8081 P1.m
Last Update: 16-May-2013 06:55:57 Calib Date: 15-May-2013 13:25:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150011.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1						173.5			
2						148.3			
						RPD = 15.69			
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						231.9			
2						194.2			
						RPD = 17.70			
$ 7 Tetrachloro-m-xylene									
1	100	3.941	3.941	0.000	140788772	54.2			
2	2	3.707	3.707	0.000	233133985	49.4			
						RPD = 9.28			
8 Hexachlorobenzene									
1	100	4.352	4.352	0.000	170953934	56.1			
2	2	4.183	4.183	0.000	239120726	49.3			
						RPD = 12.85			
10 alpha-BHC									
1	-65	4.522	4.523	-0.001	218203972	56.2			
2	2	4.330	4.330	0.000	288543827	50.9			
						RPD = 9.90			
11 gamma-BHC (Lindane)									
1	-65	4.812	4.813	-0.001	200447430	57.2			
2	2	4.644	4.645	-0.001	228616609	50.7			
						RPD = 12.08			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									
1	100	4.889	4.890	-0.001	83068904	57.1			
2	2	4.722	4.721	0.001	92410222	51.4			
						RPD = 10.52			
13 delta-BHC									
1	100	5.039	5.039	0.000	208597881	56.7			
2	2	4.954	4.954	0.000	221276371	51.2			
						RPD = 10.17			
15 Heptachlor									
1	100	5.218	5.219	-0.001	195137963	58.0			
2	2	4.995	4.995	0.000	169381369	45.8			
						RPD = 23.48			
16 Aldrin									
1	-65	5.491	5.492	-0.001	206256509	57.2			
2	2	5.249	5.250	-0.001	197197838	50.4			
						RPD = 12.74			
18 Isodrin									
1	100	5.818	5.819	-0.001	194979876	58.0			
2	2	5.592	5.592	0.000	173765644	50.1			
						RPD = 14.68			
22 Heptachlor epoxide									
1	-65	6.107	6.107	0.000	191396313	58.6			
2	2	5.764	5.763	0.001	156373458	48.8			
						RPD = 18.16			
23 gamma-Chlordane									
1	-65	6.238	6.239	-0.001	205016191	58.5			
2	2	5.950	5.950	0.000	168561631	49.5			
						RPD = 16.80			
24 alpha-Chlordane									
1	-65	6.377	6.377	0.000	193541757	56.7			
2	2	6.106	6.105	0.001	165043082	50.0			
						RPD = 12.56			
25 4,4'-DDE									
1	-65	6.451	6.452	-0.001	200454076	58.0			
2	2	6.288	6.287	0.001	174959484	51.5			
						RPD = 11.74			
26 Endosulfan I									
1	100	6.520	6.520	0.000	183281664	58.6			
2	2	6.163	6.162	0.001	150446151	50.8			
						RPD = 14.42			
28 Dieldrin									
1	100	6.763	6.764	-0.001	204062208	58.7			
2	2	6.444	6.444	0.000	162864378	49.9			
						RPD = 16.21			
30 Endrin									
1	-65	6.997	6.998	-0.001	167196085	59.0			
2	2	6.749	6.749	0.000	128454224	51.5			
						RPD = 13.64			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
32 4,4'-DDD									
1	100	7.053	7.054	-0.001	162738816	58.4			
2	2	6.871	6.871	0.000	116776946	47.7			
						RPD = 20.12			
34 Endosulfan II									
1	100	7.215	7.217	-0.002	167494256	56.7			
2	2	6.959	6.960	-0.001	133340464	49.7			
						RPD = 13.07			
35 4,4'-DDT									
1	-65	7.324	7.326	-0.002	166973824	56.5			
2	2	7.175	7.176	-0.001	102202121	43.4			
						RPD = 26.36			
36 Endrin aldehyde									
1	-65	7.619	7.620	-0.001	147651354	59.4			
2	2	7.289	7.290	-0.001	110899900	49.9			
						RPD = 17.48			
37 Methoxychlor									
1	-65	7.777	7.779	-0.002	81260940	56.8			
2	2	7.826	7.827	-0.001	45952733	41.4			
						RPD = 31.42			
38 Mirex									
1	100	7.930	7.932	-0.002	133542992	57.8			
2	2	7.995	7.996	-0.001	83797103	46.8			
						RPD = 20.90			
39 Endosulfan sulfate									
1	-65	8.027	8.029	-0.002	160529093	58.2			
2	2	7.552	7.553	-0.001	116555499	47.8			
						RPD = 19.63			
40 Endrin ketone									
1	-65	8.286	8.288	-0.002	184960157	58.9			
2	2	8.039	8.040	-0.001	119309570	45.3			
						RPD = 26.03			
$ 41 DCB Decachlorobiphenyl									
1	1	9.208	9.210	-0.002	121623663	58.3			
2	2	9.157	9.159	-0.002	94926283	50.0			
						RPD = 15.25			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

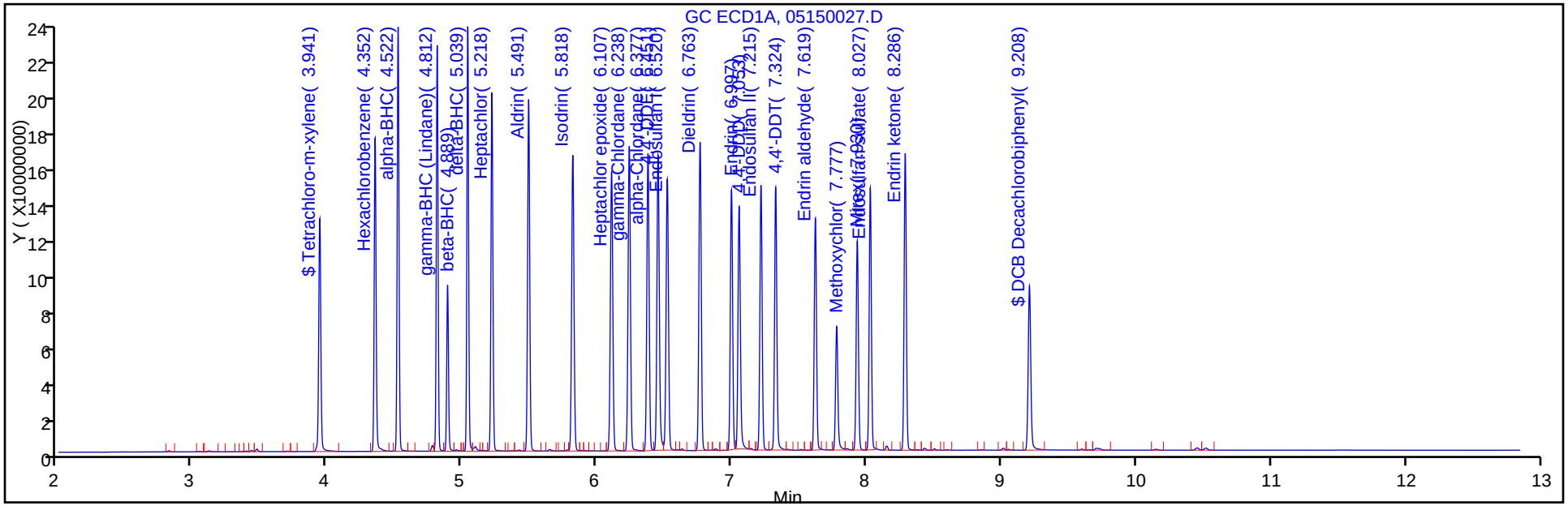
Report Date: 16-May-2013 06:55:57 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

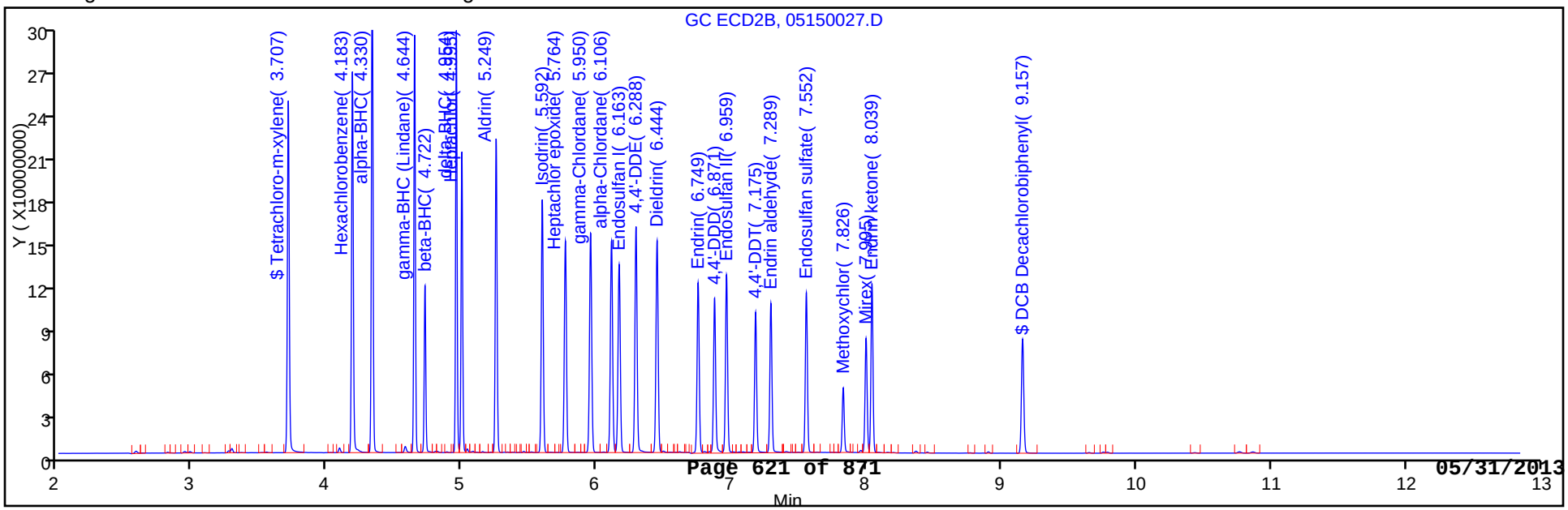
Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150027.D

Injection Date:	15-May-2013 18:54:10	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-174317/27 Calibration Date: 05/15/2013 18:54

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 13:49

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/29/2013 15:16

Lab File ID: 05150027.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		5770877		50.9	50.0	1.8	20.0
gamma-BHC (Lindane)	Lin2		4572332		50.7	50.0	1.4	20.0
beta-BHC	Lin2		1848204		51.4	50.0	2.8	20.0
delta-BHC	Lin2		4425527		51.2	50.0	2.4	20.0
Heptachlor	Lin2		3387627		45.8	50.0	-8.4	20.0
Aldrin	Lin2		3943957		50.4	50.0	0.7	20.0
Heptachlor epoxide	Lin2		3127469		48.8	50.0	-2.3	20.0
gamma-Chlordane	Lin2		3371233		49.5	50.0	-1.0	20.0
alpha-Chlordane	Lin2		3300862		50.0	50.0	0.0	20.0
Endosulfan I	Lin2		3008923		50.8	50.0	1.5	20.0
4,4'-DDE	Lin2		3499190		51.5	50.0	3.1	20.0
Dieldrin	Lin2		3257288		49.9	50.0	-0.2	20.0
Endrin	Lin2		2569084		51.5	50.0	3.0	20.0
4,4'-DDD	Lin2		2335539		47.7	50.0	-4.5	20.0
Endosulfan II	Lin2		2666809		49.7	50.0	-0.6	20.0
4,4'-DDT	Lin2		2044042		43.4	50.0	-13.3	20.0
Endrin aldehyde	Lin2		2217998		49.9	50.0	-0.3	20.0
Endosulfan sulfate	Lin2		2331110		47.8	50.0	-4.4	20.0
Methoxychlor	Lin2		919055		41.4	50.0	-17.3	20.0
Endrin ketone	Lin2		2386191		45.3	50.0	-9.3	20.0
Tetrachloro-m-xylene	Lin2		4662680		49.4	50.0	-1.2	20.0
DCB Decachlorobiphenyl	Lin2		1898526		50.0	50.0	0.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-174317/27 Calibration Date: 05/15/2013 18:54

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 13:49

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 04/29/2013 15:16

Lab File ID: 05150027.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.33	4.32	4.34
gamma-BHC (Lindane)	4.64	4.64	4.66
beta-BHC	4.72	4.71	4.73
delta-BHC	4.95	4.94	4.96
Heptachlor	5.00	4.99	5.01
Aldrin	5.25	5.24	5.26
Heptachlor epoxide	5.76	5.75	5.77
gamma-Chlordane	5.95	5.94	5.96
alpha-Chlordane	6.11	6.10	6.12
Endosulfan I	6.16	6.15	6.17
4,4'-DDE	6.29	6.28	6.30
Dieldrin	6.44	6.43	6.45
Endrin	6.75	6.74	6.76
4,4'-DDD	6.87	6.86	6.88
Endosulfan II	6.96	6.95	6.97
4,4'-DDT	7.18	7.17	7.19
Endrin aldehyde	7.29	7.28	7.30
Endosulfan sulfate	7.55	7.54	7.56
Methoxychlor	7.83	7.82	7.84
Endrin ketone	8.04	8.03	8.05
Tetrachloro-m-xylene	3.71	3.70	3.72
DCB Decachlorobiphenyl	9.16	9.15	9.17

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150027.D		
Lims ID:	CCV AB4	Client ID:	
Inject. Date:	15-May-2013 18:54:10	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV AB4		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P1
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	174317	Lims Sample ID:	27
Sublist:	chrom-8081 P1*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P1\20130515-11633.b\8081 P1.m		
Last Update:	16-May-2013 06:55:57	Calib Date:	15-May-2013 13:25:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150011.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1						173.5			
2						148.3			
						RPD = 15.69			
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						231.9			
2						194.2			
						RPD = 17.70			
$ 7 Tetrachloro-m-xylene									
1	100	3.941	3.941	0.000	140788772	54.2			
2	2	3.707	3.707	0.000	233133985	49.4			
						RPD = 9.28			
8 Hexachlorobenzene									
1	100	4.352	4.352	0.000	170953934	56.1			
2	2	4.183	4.183	0.000	239120726	49.3			
						RPD = 12.85			
10 alpha-BHC									
1	-65	4.522	4.523	-0.001	218203972	56.2			
2	2	4.330	4.330	0.000	288543827	50.9			
						RPD = 9.90			
11 gamma-BHC (Lindane)									
1	-65	4.812	4.813	-0.001	200447430	57.2			
2	2	4.644	4.645	-0.001	228616609	50.7			
						RPD = 12.08			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									
1	100	4.889	4.890	-0.001	83068904	57.1			
2	2	4.722	4.721	0.001	92410222	51.4			
						RPD = 10.52			
13 delta-BHC									
1	100	5.039	5.039	0.000	208597881	56.7			
2	2	4.954	4.954	0.000	221276371	51.2			
						RPD = 10.17			
15 Heptachlor									
1	100	5.218	5.219	-0.001	195137963	58.0			
2	2	4.995	4.995	0.000	169381369	45.8			
						RPD = 23.48			
16 Aldrin									
1	-65	5.491	5.492	-0.001	206256509	57.2			
2	2	5.249	5.250	-0.001	197197838	50.4			
						RPD = 12.74			
18 Isodrin									
1	100	5.818	5.819	-0.001	194979876	58.0			
2	2	5.592	5.592	0.000	173765644	50.1			
						RPD = 14.68			
22 Heptachlor epoxide									
1	-65	6.107	6.107	0.000	191396313	58.6			
2	2	5.764	5.763	0.001	156373458	48.8			
						RPD = 18.16			
23 gamma-Chlordane									
1	-65	6.238	6.239	-0.001	205016191	58.5			
2	2	5.950	5.950	0.000	168561631	49.5			
						RPD = 16.80			
24 alpha-Chlordane									
1	-65	6.377	6.377	0.000	193541757	56.7			
2	2	6.106	6.105	0.001	165043082	50.0			
						RPD = 12.56			
25 4,4'-DDE									
1	-65	6.451	6.452	-0.001	200454076	58.0			
2	2	6.288	6.287	0.001	174959484	51.5			
						RPD = 11.74			
26 Endosulfan I									
1	100	6.520	6.520	0.000	183281664	58.6			
2	2	6.163	6.162	0.001	150446151	50.8			
						RPD = 14.42			
28 Dieldrin									
1	100	6.763	6.764	-0.001	204062208	58.7			
2	2	6.444	6.444	0.000	162864378	49.9			
						RPD = 16.21			
30 Endrin									
1	-65	6.997	6.998	-0.001	167196085	59.0			
2	2	6.749	6.749	0.000	128454224	51.5			
						RPD = 13.64			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
32 4,4'-DDD									
1	100	7.053	7.054	-0.001	162738816	58.4			
2	2	6.871	6.871	0.000	116776946	47.7			
						RPD = 20.12			
34 Endosulfan II									
1	100	7.215	7.217	-0.002	167494256	56.7			
2	2	6.959	6.960	-0.001	133340464	49.7			
						RPD = 13.07			
35 4,4'-DDT									
1	-65	7.324	7.326	-0.002	166973824	56.5			
2	2	7.175	7.176	-0.001	102202121	43.4			
						RPD = 26.36			
36 Endrin aldehyde									
1	-65	7.619	7.620	-0.001	147651354	59.4			
2	2	7.289	7.290	-0.001	110899900	49.9			
						RPD = 17.48			
37 Methoxychlor									
1	-65	7.777	7.779	-0.002	81260940	56.8			
2	2	7.826	7.827	-0.001	45952733	41.4			
						RPD = 31.42			
38 Mirex									
1	100	7.930	7.932	-0.002	133542992	57.8			
2	2	7.995	7.996	-0.001	83797103	46.8			
						RPD = 20.90			
39 Endosulfan sulfate									
1	-65	8.027	8.029	-0.002	160529093	58.2			
2	2	7.552	7.553	-0.001	116555499	47.8			
						RPD = 19.63			
40 Endrin ketone									
1	-65	8.286	8.288	-0.002	184960157	58.9			
2	2	8.039	8.040	-0.001	119309570	45.3			
						RPD = 26.03			
$ 41 DCB Decachlorobiphenyl									
1	1	9.208	9.210	-0.002	121623663	58.3			
2	2	9.157	9.159	-0.002	94926283	50.0			
						RPD = 15.25			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

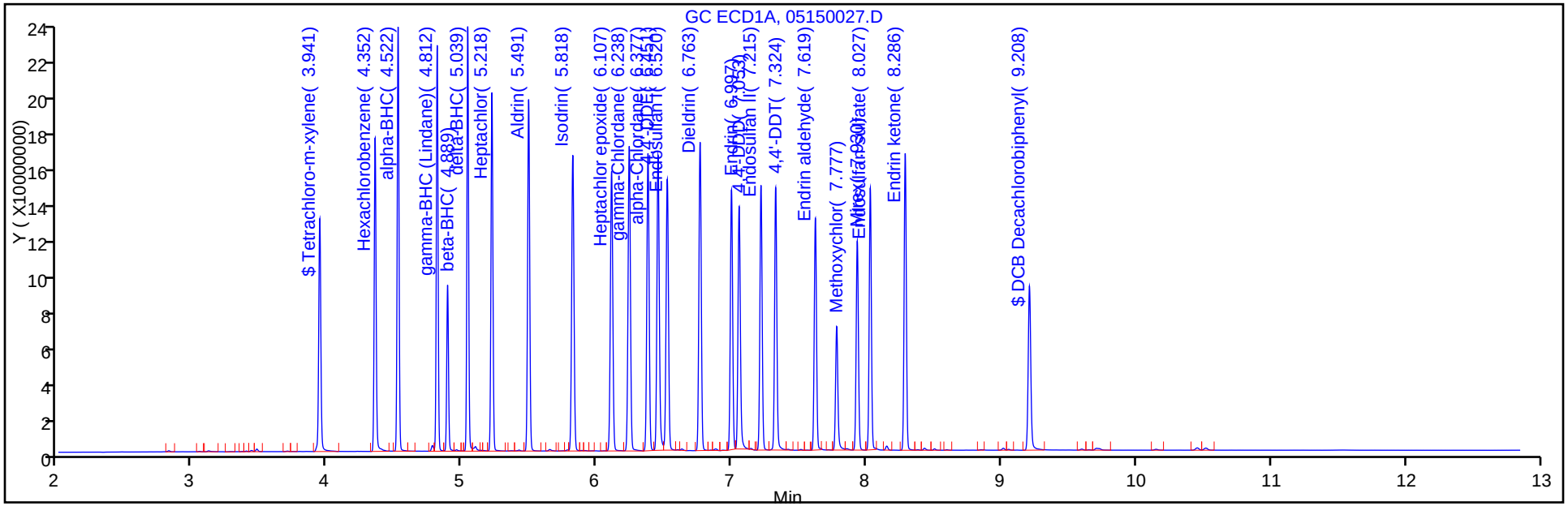
Report Date: 16-May-2013 06:55:57 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

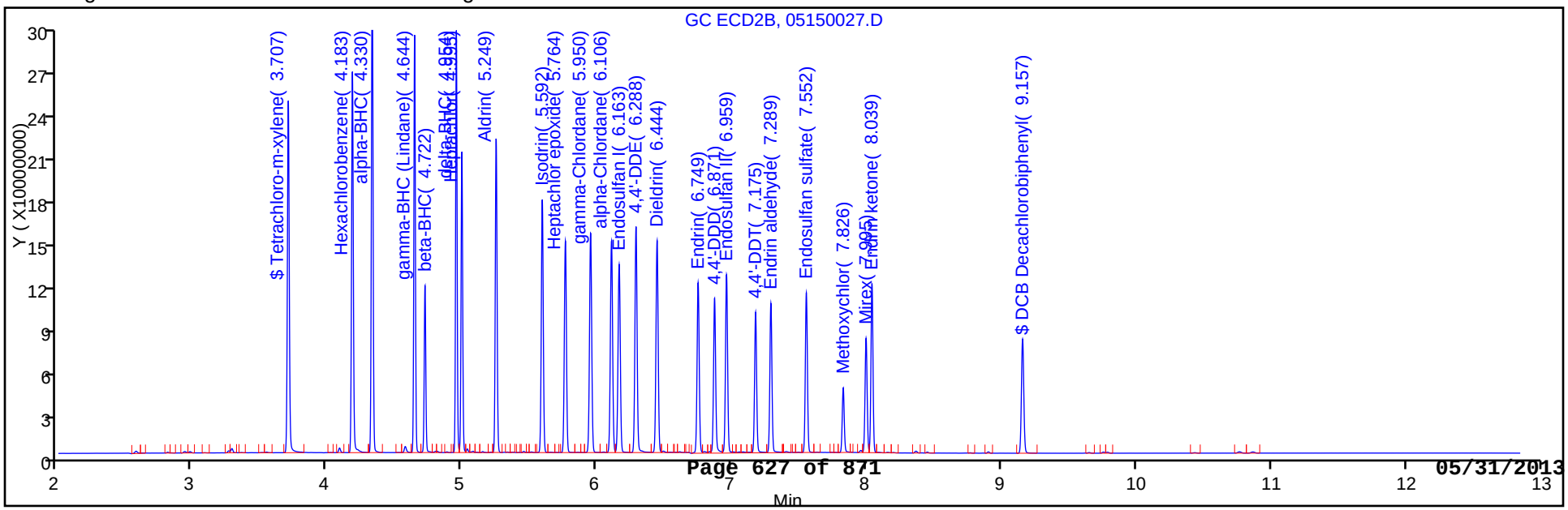
Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150027.D

Injection Date:	15-May-2013 18:54:10	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-174317/28 Calibration Date: 05/15/2013 19:11

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 19:38

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/29/2013 21:06

Lab File ID: 05150028.D Conc. Units: ng/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		9772		206	200	3.2	20.0
Toxaphene Peak 2	Lin2		39111		219	200	9.5	20.0
Toxaphene Peak 3	Lin2		78747		217	200	8.6	20.0
Toxaphene Peak 4	Lin2		123372		230	200	14.8	20.0
Toxaphene Peak 5	Lin2		146973		230	200	14.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-174317/28 Calibration Date: 05/15/2013 19:11

Instrument ID: SGC_P1 Calib Start Date: 04/29/2013 19:38

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 04/29/2013 21:06

Lab File ID: 05150028.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.67	5.65	5.69
Toxaphene Peak 2	6.35	6.33	6.37
Toxaphene Peak 3	6.86	6.84	6.88
Toxaphene Peak 4	7.53	7.51	7.55
Toxaphene Peak 5	7.94	7.92	7.96

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150028.D
Lims ID: CCV TOX1 Client ID:
Inject. Date: 15-May-2013 19:11:38 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV TOX1
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 174317 Lims Sample ID: 28
Sublist: chrom-8081 P1*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\8081 P1.m
Last Update: 16-May-2013 06:55:58 Calib Date: 15-May-2013 13:25:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150011.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 16-May-2013 06:55:16

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	5.667	5.667	0.000	1954448	206.4		100.0	M
1	-65	6.350	6.352	-0.002	7822111	219.0	382.1- 422.1	400.2	M
1	-65	6.858	6.859	-0.001	15749474	217.2	776.5- 816.5	805.8	M
1	-65	7.534	7.534	0.000	24674488	229.7	1226.9-1266.9	1262.5	M
1	-65	7.937	7.937	0.000	29394550	229.6	1466.0-1506.0	1504.0	M
			Average of Peak Amounts =			220.4			
2	6	5.338	5.339	-0.001	2917747	252.2		100.0	M
2	7	5.618	5.619	-0.001	3592813	201.3	140.0- 200.0	123.1	M
2	8	6.540	6.540	0.000	9120065	205.8	411.6- 471.6	312.6	M
2	9	7.042	7.044	-0.002	26989507	150.1	1853.2-1913.2	925.0	M
2	10	7.770	7.773	-0.003	16853417	189.9	956.9-1016.9	577.6	M
			Average of Peak Amounts =			199.9			
						RPD = 9.76			

QC Flag Legend

Review Flags
M - Manually Integrated

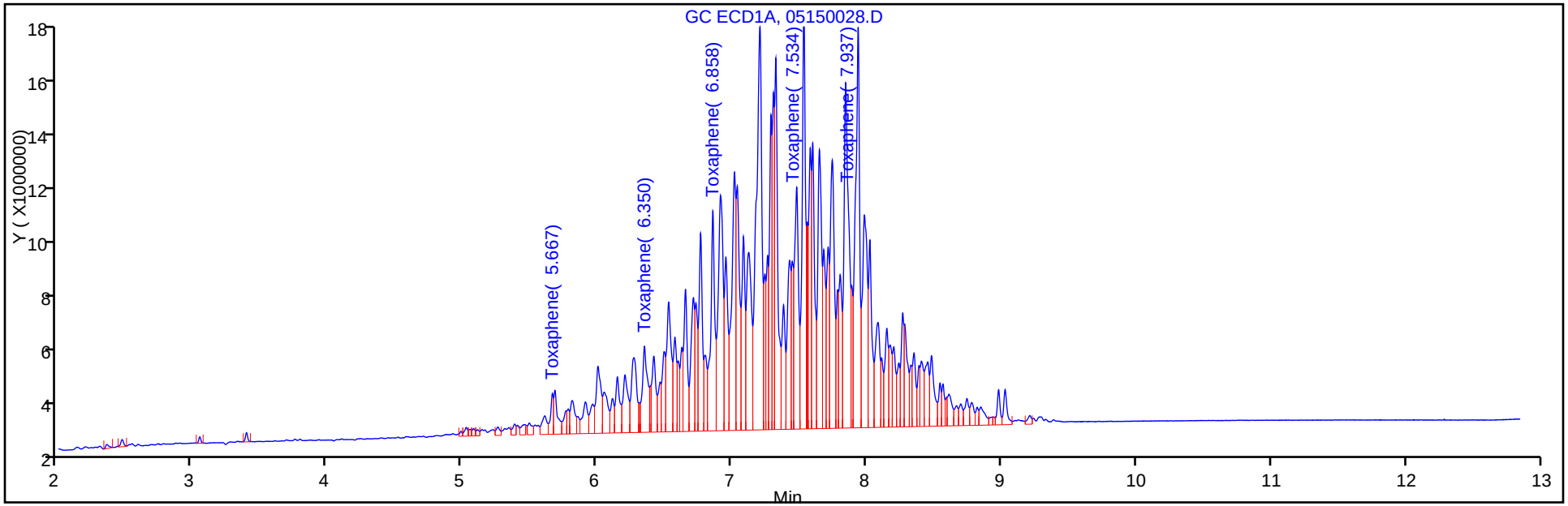
Report Date: 16-May-2013 06:55:58 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

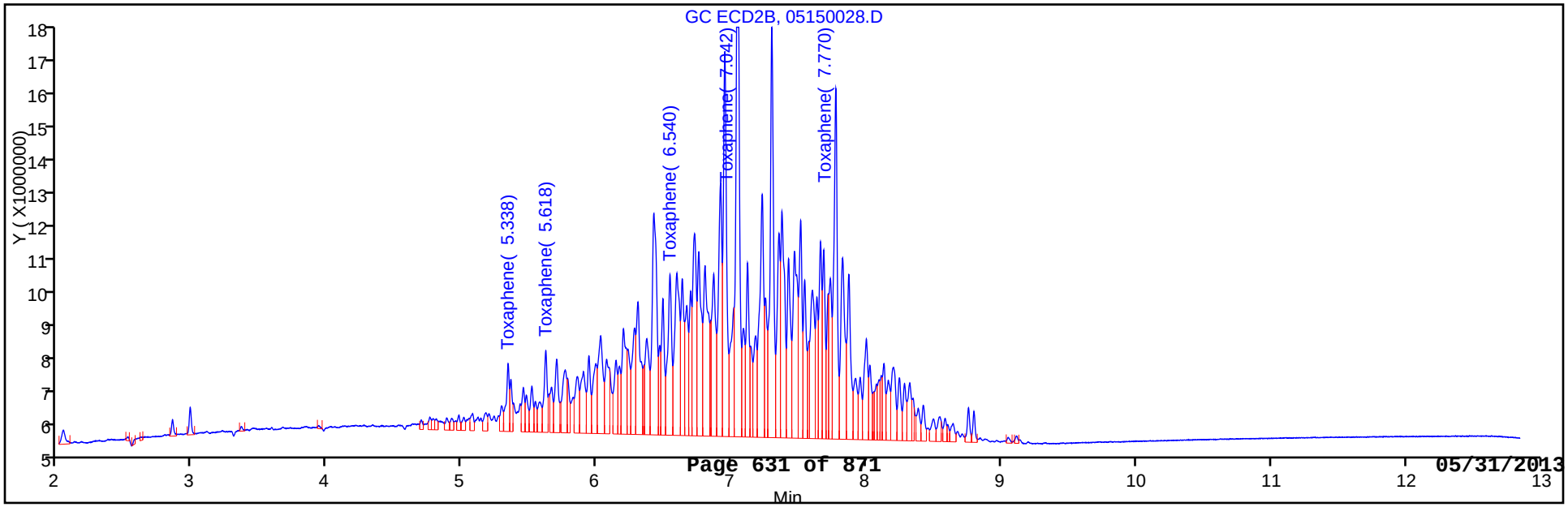
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Injection Date:	15-May-2013 19:11:38	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



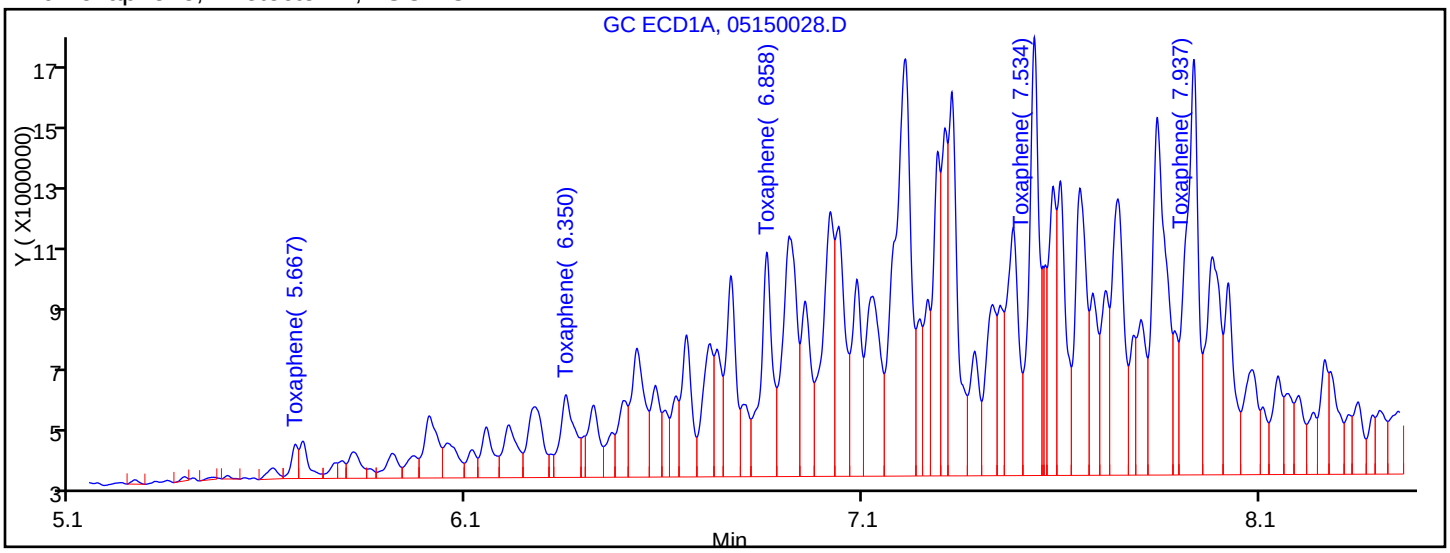
Report Date: 16-May-2013 06:55:59 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

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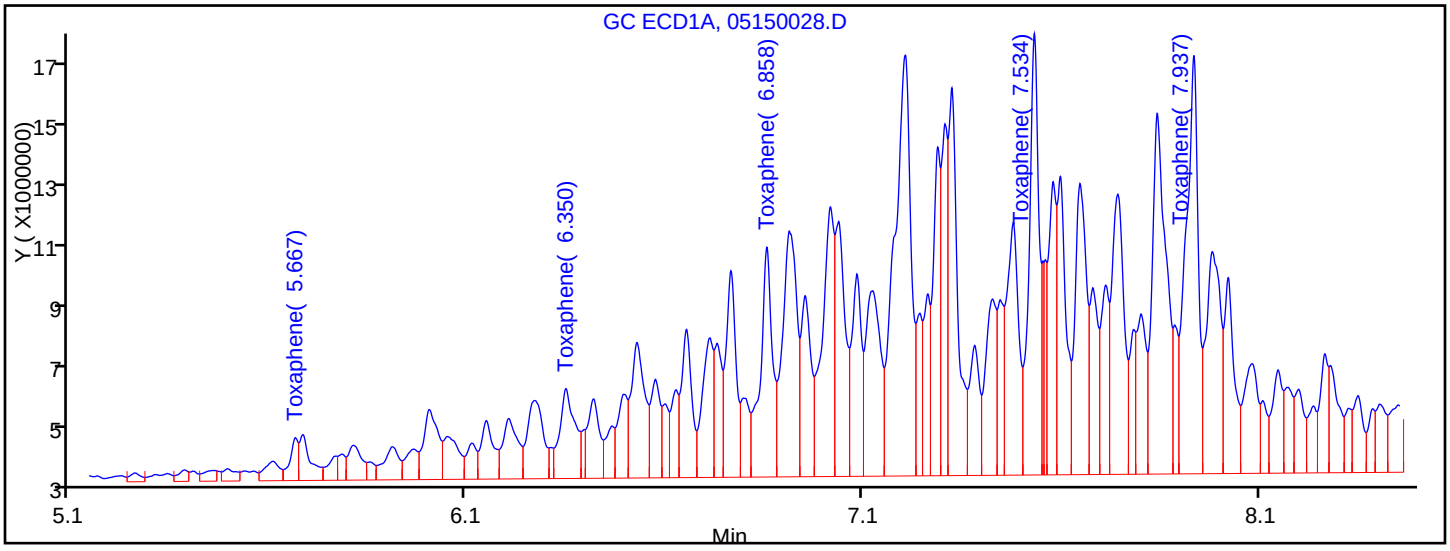
Injection Date:	15-May-2013 19:11:38	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.667	Response = 1285470	M
RT = 6.350	Response = 6767617	M
RT = 6.858	Response = 14847807	M
RT = 7.534	Response = 24088862	M
RT = 7.937	Response = 28732991	M



Manual Integration Results

RT = 5.667	Response = 1954448	M
RT = 6.350	Response = 7822111	M
RT = 6.858	Response = 15749474	M
RT = 7.534	Response = 24674488	M
RT = 7.937	Response = 29394550	M

Reviewer: wellsd, 16-May-2013 06:55:16

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: ICV 280-173579/30 Calibration Date: 05/10/2013 01:30

Instrument ID: SGC_P2 Calib Start Date: 05/09/2013 23:51

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/10/2013 01:13

Lab File ID: 05090030.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		4022		1310	1000	30.7*	20.0
Toxaphene Peak 2	Lin2		16706		982	1000	-1.8	20.0
Toxaphene Peak 3	Lin2		29790		1180	1000	18.0	20.0
Toxaphene Peak 4	Lin2		47572		1010	1000	0.8	20.0
Toxaphene Peak 5	Lin2		22789		1030	1000	3.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: ICV 280-173579/30 Calibration Date: 05/10/2013 01:30

Instrument ID: SGC_P2 Calib Start Date: 05/09/2013 23:51

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/10/2013 01:13

Lab File ID: 05090030.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.14	6.12	6.16
Toxaphene Peak 2	6.65	6.63	6.67
Toxaphene Peak 3	7.33	7.31	7.35
Toxaphene Peak 4	7.73	7.71	7.75
Toxaphene Peak 5	8.20	8.17	8.21

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090030.D
Lims ID: ICV TOX Client ID:
Inject. Date: 10-May-2013 01:30:19 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV TOX
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 173579 Lims Sample ID: 30
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\8081 P2.m
Last Update: 10-May-2013 10:18:50 Calib Date: 10-May-2013 02:03:21
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090032.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 10-May-2013 08:29:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.142	6.137	0.005	4021852	1306.7		100.0	M
1	-65	6.647	6.647	0.000	16706495	981.6	515.9- 555.9	415.4	M
1	-65	7.326	7.326	0.000	29789714	1180.3	731.1- 771.1	740.7	M
1	-65	7.726	7.725	0.001	47571997	1007.9	1471.6-1511.6	1182.8	M
1	-65	8.195	8.194	0.001	22788769	1030.3	701.3- 741.3	566.6	M
			Average of Peak Amounts =			1101.4			
2	6	6.674	6.676	-0.002	9372500	632.7		100.0	M
2	7	6.944	6.941	0.003	12896097	413.6	185.9- 245.9	137.6	M
2	8	7.292	7.292	0.000	49445793	1080.8	281.4- 341.4	527.6	M
2	9	7.541	7.542	-0.001	41261328	715.9	371.6- 431.6	440.2	M
2	10	8.375	8.375	0.000	26029565	1159.3	123.9- 183.9	277.7	M
			Average of Peak Amounts =			800.5			
						RPD = 31.64			

QC Flag Legend

Review Flags
M - Manually Integrated

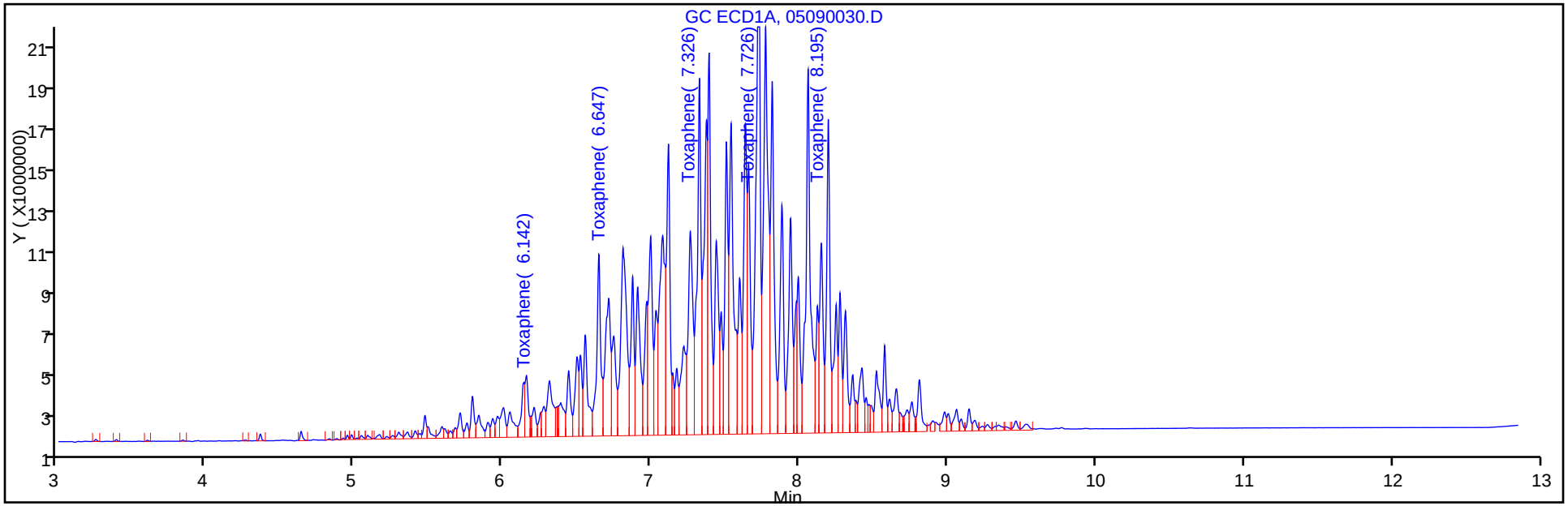
Report Date: 10-May-2013 10:18:52 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

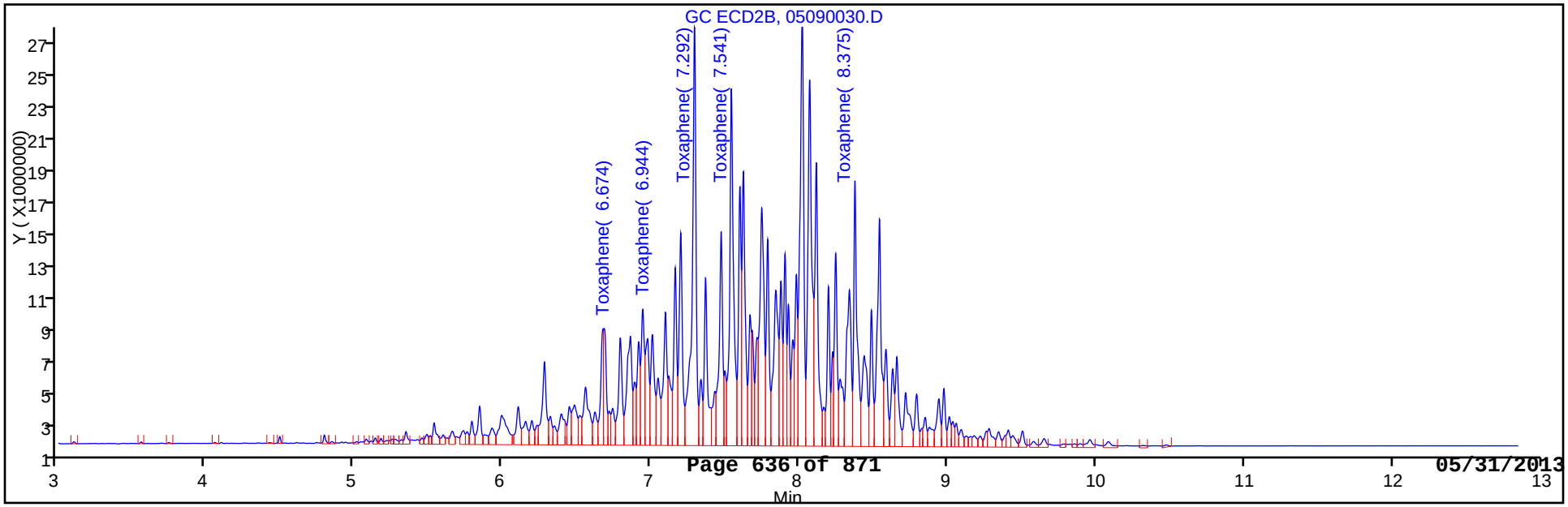
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Injection Date:	10-May-2013 01:30:19	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



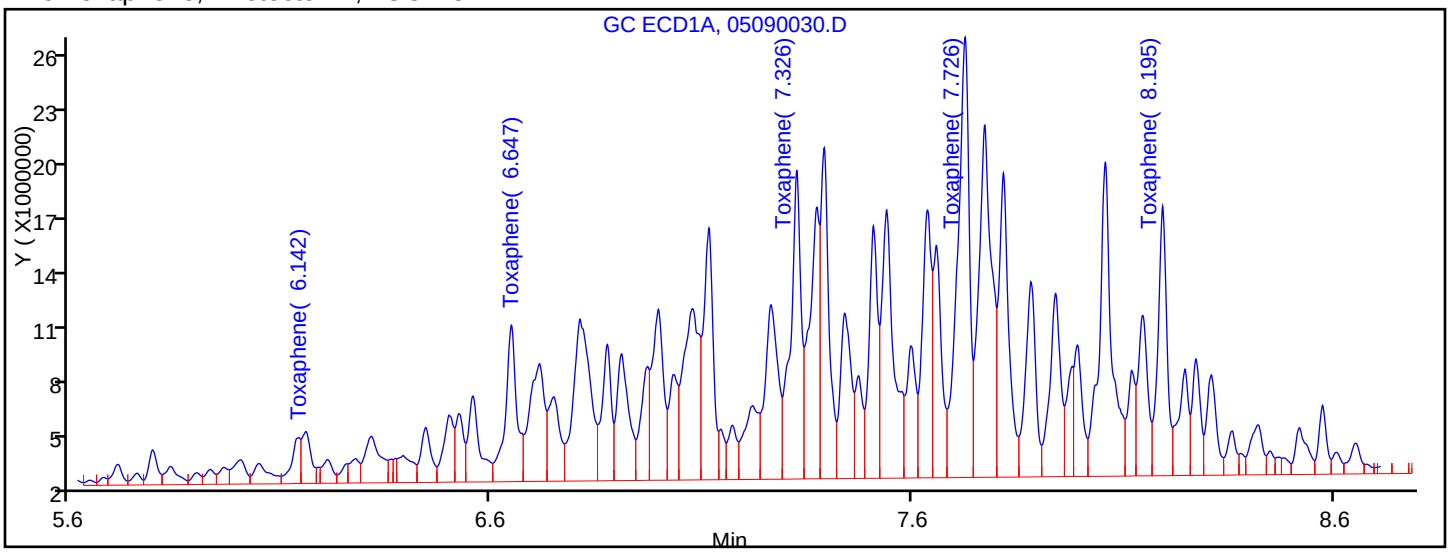
Report Date: 10-May-2013 10:18:52 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090030.D

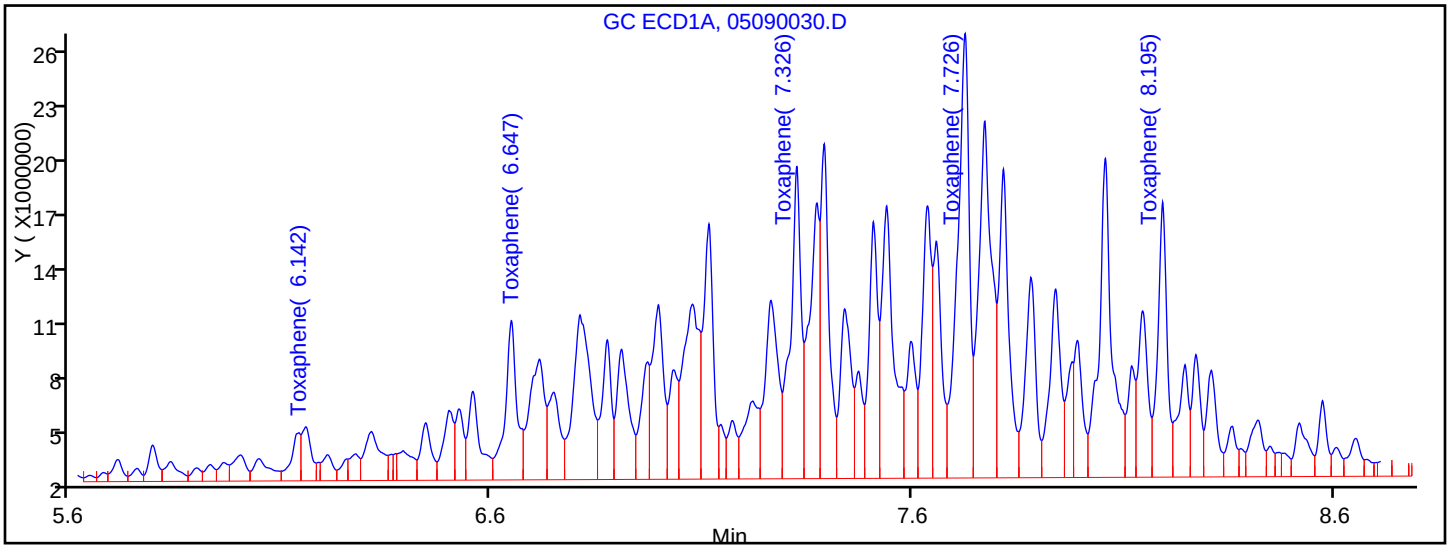
Injection Date:	10-May-2013 01:30:19	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.142	Response = 3703443	M
RT = 6.647	Response = 15979584	M
RT = 7.326	Response = 29032660	M
RT = 7.726	Response = 46498348	M
RT = 8.195	Response = 21790001	M



Manual Integration Results

RT = 6.142	Response = 4021852	M
RT = 6.647	Response = 16706495	M
RT = 7.326	Response = 29789714	M
RT = 7.726	Response = 47571997	M
RT = 8.195	Response = 22788769	M

Reviewer: wellsd, 10-May-2013 08:33:33

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: ICV 280-173579/30 Calibration Date: 05/10/2013 01:30

Instrument ID: SGC_P2 Calib Start Date: 05/09/2013 23:51

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/10/2013 01:13

Lab File ID: 05090030.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		9373		633	1000	-36.7*	20.0
Toxaphene Peak 2	Lin2		12896		414	1000	-58.6*	20.0
Toxaphene Peak 3	Lin2		49446		1080	1000	8.1	20.0
Toxaphene Peak 4	Lin2		41261		716	1000	-28.4*	20.0
Toxaphene Peak 5	Lin2		26030		1160	1000	15.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: ICV 280-173579/30 Calibration Date: 05/10/2013 01:30

Instrument ID: SGC_P2 Calib Start Date: 05/09/2013 23:51

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/10/2013 01:13

Lab File ID: 05090030.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.67	6.66	6.70
Toxaphene Peak 2	6.94	6.92	6.96
Toxaphene Peak 3	7.29	7.27	7.31
Toxaphene Peak 4	7.54	7.52	7.56
Toxaphene Peak 5	8.38	8.36	8.40

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090030.D
Lims ID: ICV TOX Client ID:
Inject. Date: 10-May-2013 01:30:19 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV TOX
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 173579 Lims Sample ID: 30
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\8081 P2.m
Last Update: 10-May-2013 10:18:50 Calib Date: 10-May-2013 02:03:21
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090032.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 10-May-2013 08:29:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.142	6.137	0.005	4021852	1306.7		100.0	M
1	-65	6.647	6.647	0.000	16706495	981.6	515.9- 555.9	415.4	M
1	-65	7.326	7.326	0.000	29789714	1180.3	731.1- 771.1	740.7	M
1	-65	7.726	7.725	0.001	47571997	1007.9	1471.6-1511.6	1182.8	M
1	-65	8.195	8.194	0.001	22788769	1030.3	701.3- 741.3	566.6	M
			Average of Peak Amounts =			1101.4			
2	6	6.674	6.676	-0.002	9372500	632.7		100.0	M
2	7	6.944	6.941	0.003	12896097	413.6	185.9- 245.9	137.6	M
2	8	7.292	7.292	0.000	49445793	1080.8	281.4- 341.4	527.6	M
2	9	7.541	7.542	-0.001	41261328	715.9	371.6- 431.6	440.2	M
2	10	8.375	8.375	0.000	26029565	1159.3	123.9- 183.9	277.7	M
			Average of Peak Amounts =			800.5			
						RPD = 31.64			

QC Flag Legend

Review Flags
M - Manually Integrated

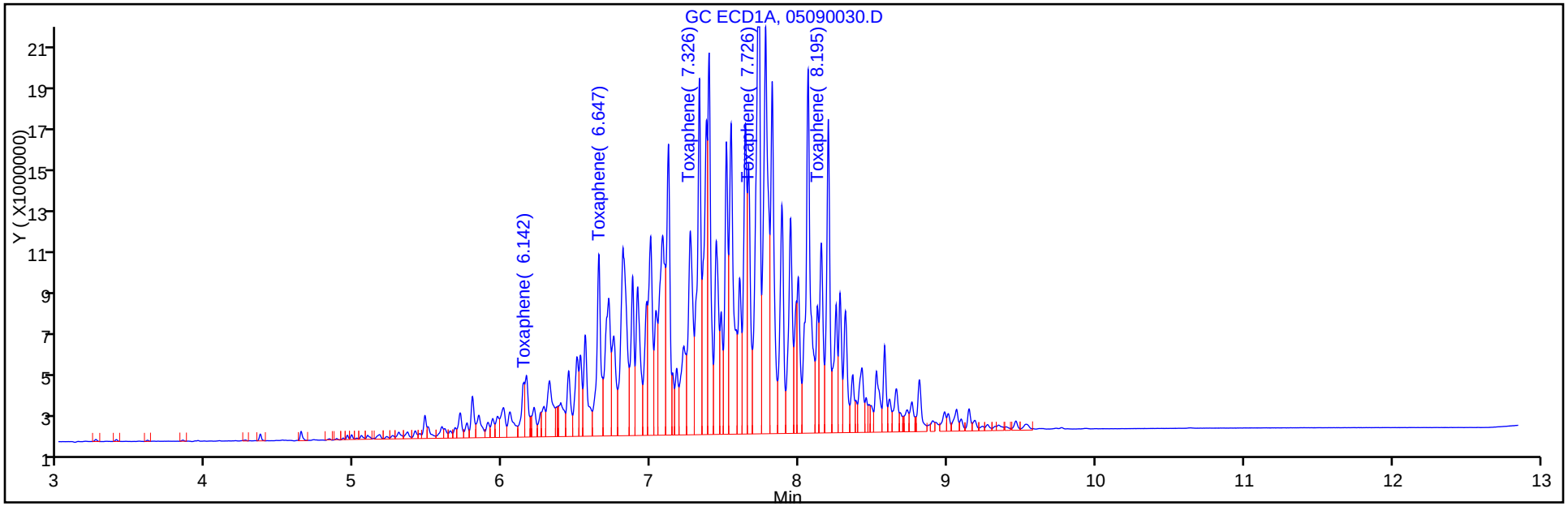
Report Date: 10-May-2013 10:18:52 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

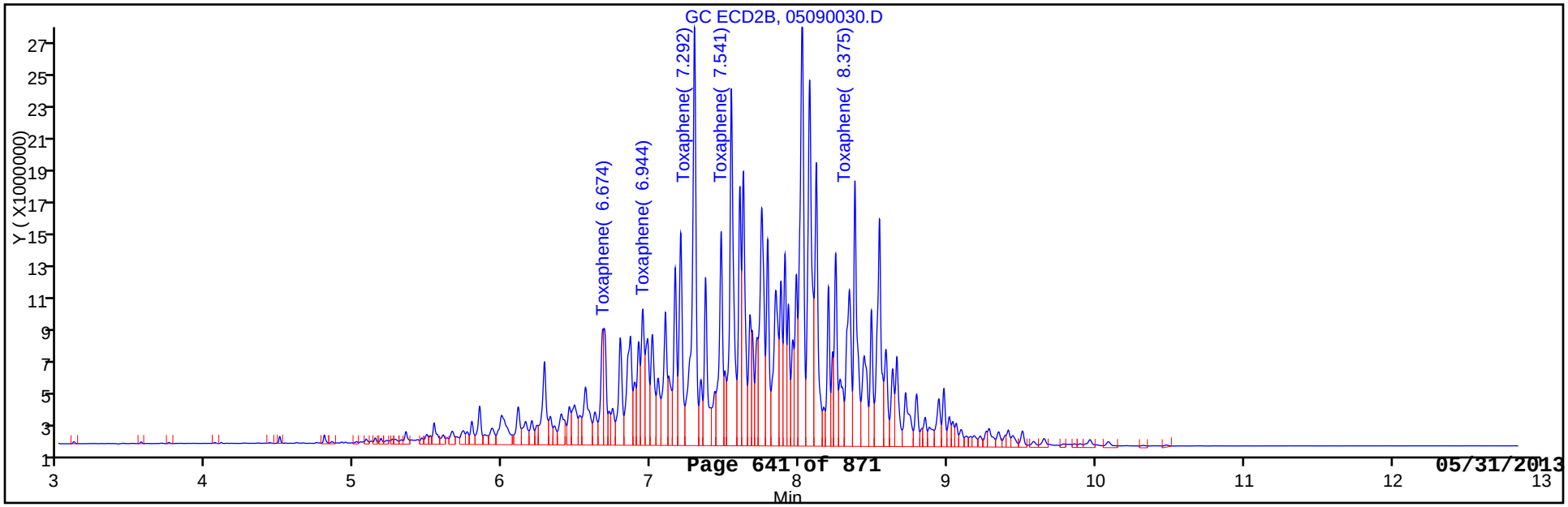
Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090030.D

Injection Date:	10-May-2013 01:30:19	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



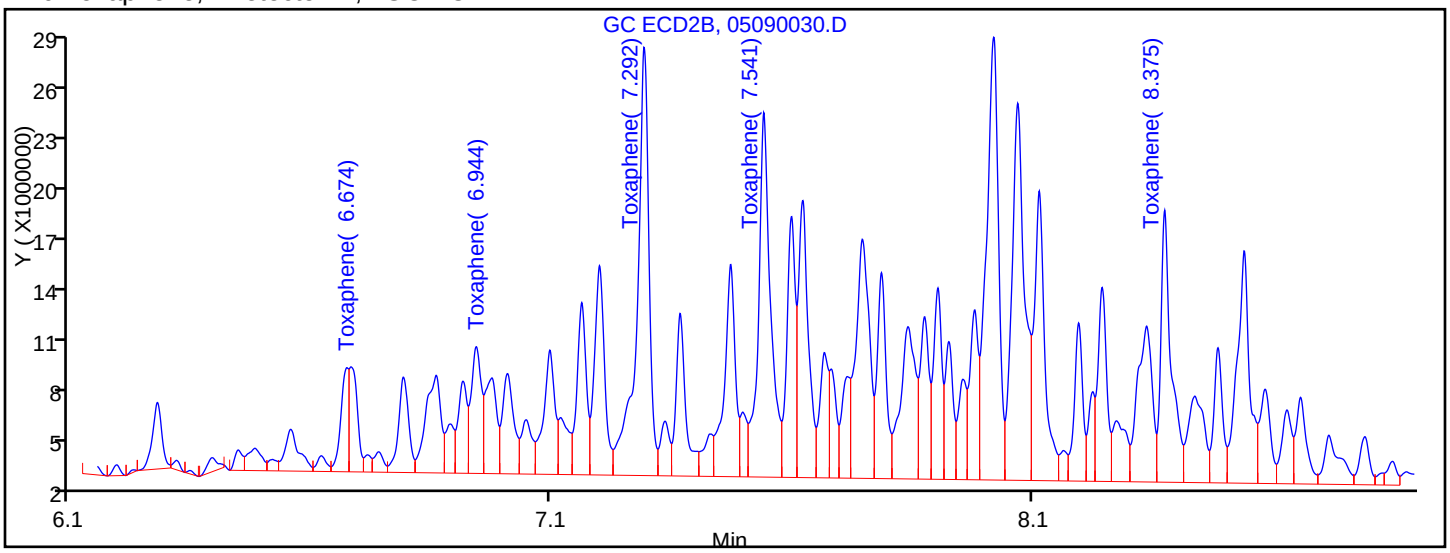
Report Date: 10-May-2013 10:18:53 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130509-11479.b\05090030.D

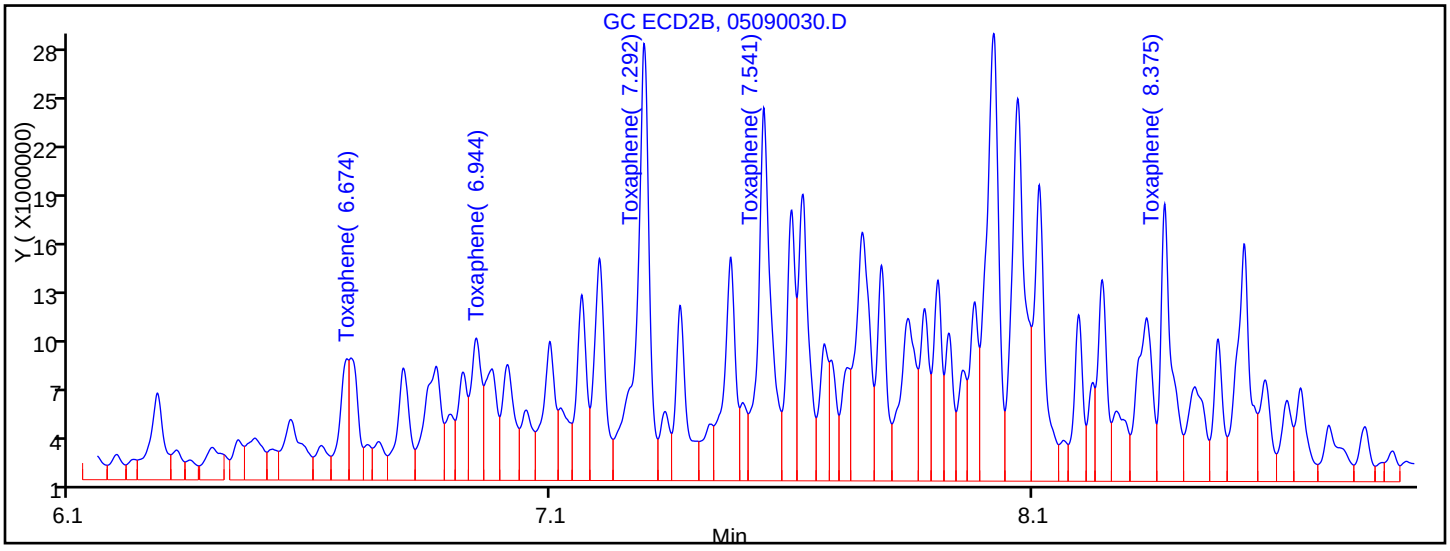
Injection Date:	10-May-2013 01:30:19	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	173579	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.674	Response = 6850805	M
RT = 6.944	Response = 10933484	M
RT = 7.292	Response = 44242348	M
RT = 7.541	Response = 37712448	M
RT = 8.375	Response = 24082382	M



Manual Integration Results

RT = 6.674	Response = 9372500	M
RT = 6.944	Response = 12896097	M
RT = 7.292	Response = 49445793	M
RT = 7.541	Response = 41261328	M
RT = 8.375	Response = 26029565	M

Reviewer: wellsd, 10-May-2013 08:33:33

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: ICV 280-176155/16 Calibration Date: 05/28/2013 15:17

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 0528A016.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2		1504565		27.4	25.0	9.7	20.0
alpha-BHC	Lin2		1548647		27.5	25.0	10.1	20.0
gamma-BHC (Lindane)	Lin2		1362129		27.6	25.0	10.3	20.0
beta-BHC	Lin2		580111		27.6	25.0	10.3	20.0
delta-BHC	Lin2		1395964		27.4	25.0	9.8	20.0
Heptachlor	Lin2		1211338		27.6	25.0	10.4	20.0
Aldrin	Lin2		1316152		28.0	25.0	12.0	20.0
Isodrin	Lin2		1075654		24.5	25.0	-1.9	20.0
Heptachlor epoxide	Lin2		1156376		27.5	25.0	10.0	20.0
gamma-Chlordane	Lin2		1195350		27.2	25.0	8.6	20.0
alpha-Chlordane	Lin2		1184445		27.1	25.0	8.4	20.0
4,4'-DDE	Lin2		1302418		26.7	25.0	6.6	20.0
Endosulfan I	Lin2		1120741		27.5	25.0	10.0	20.0
Dieldrin	Lin2		1211015		27.6	25.0	10.3	20.0
Endrin	Ave	863084	997140		28.9	25.0	15.5	20.0
4,4'-DDD	Lin2		957942		27.5	25.0	10.1	20.0
Endosulfan II	Lin2		1015543		27.2	25.0	8.7	20.0
4,4'-DDT	Lin2		912972		26.4	25.0	5.5	20.0
Endrin aldehyde	Lin2		869840		26.5	25.0	6.1	20.0
Methoxychlor	Lin2		435344		25.3	25.0	1.2	20.0
Mirex	Lin2		718922		26.6	25.0	6.2	20.0
Endosulfan sulfate	Lin2		884698		26.2	25.0	4.8	20.0
Endrin ketone	Lin2		1046145		26.9	25.0	7.5	20.0
Tetrachloro-m-xylene	Lin2		1228539		25.8	25.0	3.0	20.0
DCB Decachlorobiphenyl	Lin2		884682		28.4	25.0	13.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: ICV 280-176155/16 Calibration Date: 05/28/2013 15:17

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 0528A016.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	4.18	4.17	4.19
alpha-BHC	4.35	4.34	4.36
gamma-BHC (Lindane)	4.64	4.63	4.65
beta-BHC	4.72	4.71	4.73
delta-BHC	4.87	4.86	4.88
Heptachlor	5.04	5.03	5.05
Aldrin	5.30	5.29	5.31
Isodrin	5.60	5.59	5.61
Heptachlor epoxide	5.87	5.86	5.88
gamma-Chlordane	6.01	6.00	6.02
alpha-Chlordane	6.15	6.14	6.16
4,4'-DDE	6.23	6.22	6.24
Endosulfan I	6.29	6.28	6.30
Dieldrin	6.53	6.52	6.54
Endrin	6.77	6.76	6.78
4,4'-DDD	6.83	6.82	6.84
Endosulfan II	6.99	6.98	7.00
4,4'-DDT	7.11	7.10	7.12
Endrin aldehyde	7.39	7.38	7.40
Methoxychlor	7.57	7.56	7.58
Mirex	7.71	7.70	7.72
Endosulfan sulfate	7.80	7.79	7.81
Endrin ketone	8.06	8.05	8.07
Tetrachloro-m-xylene	3.77	3.76	3.78
DCB Decachlorobiphenyl	8.97	8.96	8.98

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A016.D
Lims ID: ICV AB Client ID:
Inject. Date: 28-May-2013 15:17:16 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 176155 Lims Sample ID: 16
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\8081 P2.m
Last Update: 29-May-2013 11:03:07 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC356

First Level Reviewer: pavlakoa Date: 29-May-2013 09:56:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.771	0.000	30713465	25.8			
2	2	3.848	3.847	0.001	35062348	26.0			
						RPD = 1.05			
8 Hexachlorobenzene									
1	100	4.182	4.181	0.001	37614128	27.4			
2	2	4.329	4.328	0.001	37834396	27.3			
						RPD = 0.48			
10 alpha-BHC									
1	-65	4.351	4.349	0.002	38716177	27.5			
2	2	4.473	4.473	0.000	48664783	26.9			
						RPD = 2.20			
11 gamma-BHC (Lindane)									
1	-65	4.641	4.641	0.000	34053213	27.6			
2	2	4.787	4.787	0.000	42724286	27.1			
						RPD = 1.82			
12 beta-BHC									
1	100	4.720	4.718	0.002	14502771	27.6			
2	2	4.861	4.861	0.000	18035287	26.8			
						RPD = 2.69			
13 delta-BHC									
1	100	4.868	4.866	0.002	34899108	27.4			
2	2	5.097	5.097	0.000	43475654	27.0			
						RPD = 1.54			
15 Heptachlor									
1	100	5.041	5.041	0.000	30283444	27.6			
2	2	5.141	5.141	0.000	38194954	27.4			
						RPD = 0.80			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
16 Aldrin									
1	-65	5.296	5.296	0.000	32903806	28.0			
2	2	5.418	5.418	0.000	40457150	27.5			
						RPD = 1.75			
18 Isodrin									
1	100	5.602	5.601	0.001	26891355	24.5			
2	2	5.792	5.792	0.000	33498708	24.2			
						RPD = 1.48			
22 Heptachlor epoxide									
1	-65	5.873	5.871	0.002	28909392	27.5			
2	2	5.976	5.976	0.000	36542108	27.2			
						RPD = 0.98			
23 gamma-Chlordane									
1	-65	6.006	6.005	0.001	29883759	27.2			
2	2	6.177	6.176	0.001	37274202	26.9			
						RPD = 1.08			
24 alpha-Chlordane									
1	-65	6.149	6.147	0.002	29611120	27.1			
2	2	6.331	6.331	0.000	35954599	26.7			
						RPD = 1.29			
25 4,4'-DDE									
1	-65	6.231	6.230	0.001	32560453	26.7			
2	2	6.507	6.507	0.000	36811215	26.3			
						RPD = 1.38			
26 Endosulfan I									
1	100	6.289	6.288	0.001	28018515	27.5			
2	2	6.389	6.389	0.000	32234059	26.3			
						RPD = 4.40			
28 Dieldrin									
1	100	6.534	6.533	0.001	30275370	27.6			
2	2	6.671	6.671	0.000	37206606	27.2			
						RPD = 1.38			
30 Endrin									
1	-65	6.766	6.766	0.000	24928494	28.9			
2	2	6.976	6.976	0.000	30624969	28.8			
						RPD = 0.24			
32 4,4'-DDD									
1	100	6.833	6.831	0.002	23948559	27.5			
2	2	7.087	7.087	0.000	29405195	26.8			
						RPD = 2.68			
34 Endosulfan II									
1	100	6.986	6.985	0.001	25388564	27.2			
2	2	7.185	7.184	0.001	31101927	27.0			
						RPD = 0.69			
35 4,4'-DDT									
1	-65	7.107	7.106	0.001	22824295	26.4			
2	2	7.390	7.390	0.000	24812914	25.9			
						RPD = 2.01			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
36 Endrin aldehyde									
1	-65	7.390	7.388	0.002	21746000	26.5			
2	2	7.510	7.511	-0.001	25975275	26.1			
						RPD = 1.73			
37 Methoxychlor									
1	-65	7.569	7.567	0.002	10883599	25.3			
2	2	8.036	8.036	0.000	11139161	24.2			
						RPD = 4.57			
38 Mirex									
1	100	7.708	7.706	0.002	17973049	26.6			
2	2	8.222	8.221	0.001	20005032	26.7			
						RPD = 0.36			
39 Endosulfan sulfate									
1	-65	7.797	7.796	0.001	22117452	26.2			
2	2	7.768	7.768	0.000	26785834	26.0			
						RPD = 0.75			
40 Endrin ketone									
1	-65	8.056	8.056	0.000	26153614	26.9			
2	2	8.261	8.261	0.000	29868959	26.3			
						RPD = 2.07			
$ 41 DCB Decachlorobiphenyl									
1	1	8.969	8.967	0.002	22117058	28.4			
2	2	9.424	9.423	0.001	20439457	28.0			
						RPD = 1.28			

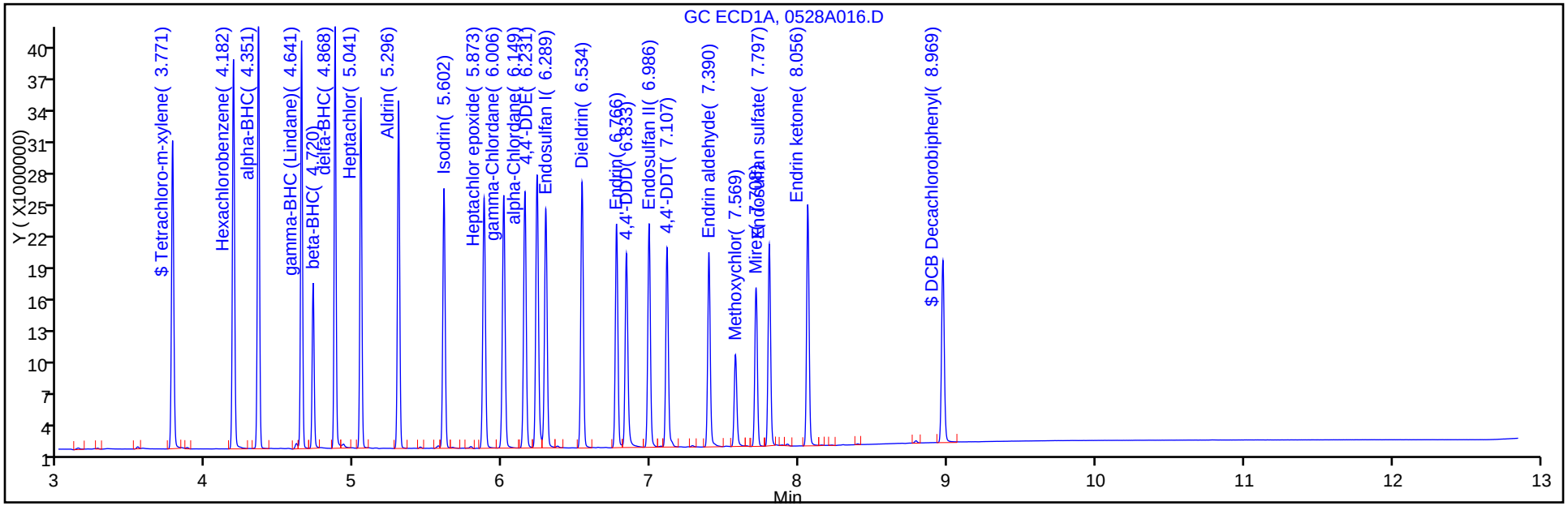
Report Date: 29-May-2013 11:03:08 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

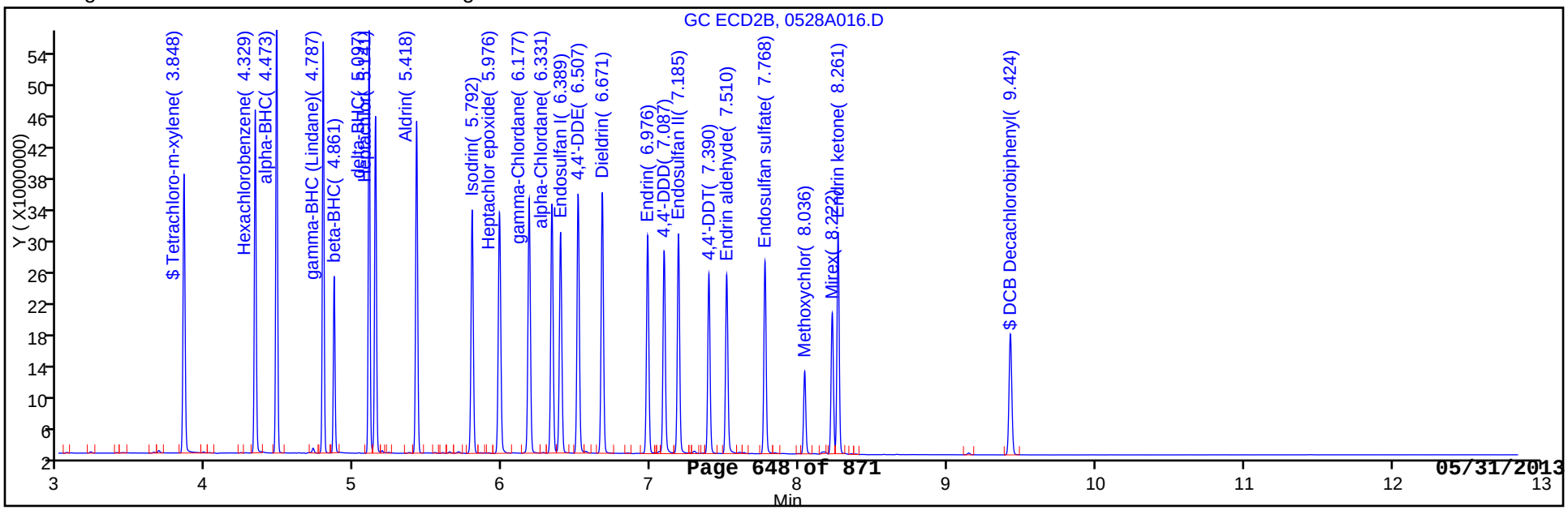
Data File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A016.D

Injection Date:	28-May-2013 15:17:16	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176155	Lims Sample ID:	16
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: ICV 280-176155/16 Calibration Date: 05/28/2013 15:17

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 0528A016.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2		1513376		27.3	25.0	9.2	20.0
alpha-BHC	Lin2		1946591		26.9	25.0	7.7	20.0
gamma-BHC (Lindane)	Lin2		1708971		27.1	25.0	8.3	20.0
beta-BHC	Lin2		721411		26.8	25.0	7.4	20.0
delta-BHC	Lin2		1739026		27.0	25.0	8.1	20.0
Heptachlor	Lin2		1527798		27.4	25.0	9.5	20.0
Aldrin	Lin2		1618286		27.5	25.0	10.1	20.0
Isodrin	Lin2		1339948		24.2	25.0	-3.3	20.0
Heptachlor epoxide	Lin2		1461684		27.2	25.0	8.9	20.0
gamma-Chlordane	Lin2		1490968		26.9	25.0	7.5	20.0
alpha-Chlordane	Lin2		1438184		26.7	25.0	7.0	20.0
Endosulfan I	Lin2		1289362		26.3	25.0	5.3	20.0
4,4'-DDE	Lin2		1472449		26.3	25.0	5.2	20.0
Dieldrin	Lin2		1488264		27.2	25.0	8.8	20.0
Endrin	Lin2		1224999		28.8	25.0	15.3	20.0
4,4'-DDD	Lin2		1176208		26.8	25.0	7.2	20.0
Endosulfan II	Lin2		1244077		27.0	25.0	8.0	20.0
4,4'-DDT	Lin2		992517		25.9	25.0	3.4	20.0
Endrin aldehyde	Lin2		1039011		26.1	25.0	4.3	20.0
Endosulfan sulfate	Lin2		1071433		26.0	25.0	4.1	20.0
Methoxychlor	Lin2		445566		24.2	25.0	-3.4	20.0
Mirex	Lin2		800201		26.7	25.0	6.6	20.0
Endrin ketone	Lin2		1194758		26.3	25.0	5.3	20.0
Tetrachloro-m-xylene	Lin2		1402494		26.0	25.0	4.1	20.0
DCB Decachlorobiphenyl	Lin2		817578		28.0	25.0	12.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: ICV 280-176155/16 Calibration Date: 05/28/2013 15:17

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 0528A016.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	4.33	4.32	4.34
alpha-BHC	4.47	4.46	4.48
gamma-BHC (Lindane)	4.79	4.78	4.80
beta-BHC	4.86	4.85	4.87
delta-BHC	5.10	5.09	5.11
Heptachlor	5.14	5.13	5.15
Aldrin	5.42	5.41	5.43
Isodrin	5.79	5.78	5.80
Heptachlor epoxide	5.98	5.97	5.99
gamma-Chlordane	6.18	6.17	6.19
alpha-Chlordane	6.33	6.32	6.34
Endosulfan I	6.39	6.38	6.40
4,4'-DDE	6.51	6.50	6.52
Dieldrin	6.67	6.66	6.68
Endrin	6.98	6.97	6.99
4,4'-DDD	7.09	7.08	7.10
Endosulfan II	7.19	7.17	7.19
4,4'-DDT	7.39	7.38	7.40
Endrin aldehyde	7.51	7.50	7.52
Endosulfan sulfate	7.77	7.76	7.78
Methoxychlor	8.04	8.03	8.05
Mirex	8.22	8.21	8.23
Endrin ketone	8.26	8.25	8.27
Tetrachloro-m-xylene	3.85	3.84	3.86
DCB Decachlorobiphenyl	9.42	9.41	9.43

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A016.D
Lims ID: ICV AB Client ID:
Inject. Date: 28-May-2013 15:17:16 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 176155 Lims Sample ID: 16
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\8081 P2.m
Last Update: 29-May-2013 11:03:07 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: DENPC356

First Level Reviewer: pavlakoa Date: 29-May-2013 09:56:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.771	0.000	30713465	25.8			
2	2	3.848	3.847	0.001	35062348	26.0			
						RPD = 1.05			
8 Hexachlorobenzene									
1	100	4.182	4.181	0.001	37614128	27.4			
2	2	4.329	4.328	0.001	37834396	27.3			
						RPD = 0.48			
10 alpha-BHC									
1	-65	4.351	4.349	0.002	38716177	27.5			
2	2	4.473	4.473	0.000	48664783	26.9			
						RPD = 2.20			
11 gamma-BHC (Lindane)									
1	-65	4.641	4.641	0.000	34053213	27.6			
2	2	4.787	4.787	0.000	42724286	27.1			
						RPD = 1.82			
12 beta-BHC									
1	100	4.720	4.718	0.002	14502771	27.6			
2	2	4.861	4.861	0.000	18035287	26.8			
						RPD = 2.69			
13 delta-BHC									
1	100	4.868	4.866	0.002	34899108	27.4			
2	2	5.097	5.097	0.000	43475654	27.0			
						RPD = 1.54			
15 Heptachlor									
1	100	5.041	5.041	0.000	30283444	27.6			
2	2	5.141	5.141	0.000	38194954	27.4			
						RPD = 0.80			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
16 Aldrin									
1	-65	5.296	5.296	0.000	32903806	28.0			
2	2	5.418	5.418	0.000	40457150	27.5			
						RPD = 1.75			
18 Isodrin									
1	100	5.602	5.601	0.001	26891355	24.5			
2	2	5.792	5.792	0.000	33498708	24.2			
						RPD = 1.48			
22 Heptachlor epoxide									
1	-65	5.873	5.871	0.002	28909392	27.5			
2	2	5.976	5.976	0.000	36542108	27.2			
						RPD = 0.98			
23 gamma-Chlordane									
1	-65	6.006	6.005	0.001	29883759	27.2			
2	2	6.177	6.176	0.001	37274202	26.9			
						RPD = 1.08			
24 alpha-Chlordane									
1	-65	6.149	6.147	0.002	29611120	27.1			
2	2	6.331	6.331	0.000	35954599	26.7			
						RPD = 1.29			
25 4,4'-DDE									
1	-65	6.231	6.230	0.001	32560453	26.7			
2	2	6.507	6.507	0.000	36811215	26.3			
						RPD = 1.38			
26 Endosulfan I									
1	100	6.289	6.288	0.001	28018515	27.5			
2	2	6.389	6.389	0.000	32234059	26.3			
						RPD = 4.40			
28 Dieldrin									
1	100	6.534	6.533	0.001	30275370	27.6			
2	2	6.671	6.671	0.000	37206606	27.2			
						RPD = 1.38			
30 Endrin									
1	-65	6.766	6.766	0.000	24928494	28.9			
2	2	6.976	6.976	0.000	30624969	28.8			
						RPD = 0.24			
32 4,4'-DDD									
1	100	6.833	6.831	0.002	23948559	27.5			
2	2	7.087	7.087	0.000	29405195	26.8			
						RPD = 2.68			
34 Endosulfan II									
1	100	6.986	6.985	0.001	25388564	27.2			
2	2	7.185	7.184	0.001	31101927	27.0			
						RPD = 0.69			
35 4,4'-DDT									
1	-65	7.107	7.106	0.001	22824295	26.4			
2	2	7.390	7.390	0.000	24812914	25.9			
						RPD = 2.01			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
36 Endrin aldehyde									
1	-65	7.390	7.388	0.002	21746000	26.5			
2	2	7.510	7.511	-0.001	25975275	26.1			
						RPD = 1.73			
37 Methoxychlor									
1	-65	7.569	7.567	0.002	10883599	25.3			
2	2	8.036	8.036	0.000	11139161	24.2			
						RPD = 4.57			
38 Mirex									
1	100	7.708	7.706	0.002	17973049	26.6			
2	2	8.222	8.221	0.001	20005032	26.7			
						RPD = 0.36			
39 Endosulfan sulfate									
1	-65	7.797	7.796	0.001	22117452	26.2			
2	2	7.768	7.768	0.000	26785834	26.0			
						RPD = 0.75			
40 Endrin ketone									
1	-65	8.056	8.056	0.000	26153614	26.9			
2	2	8.261	8.261	0.000	29868959	26.3			
						RPD = 2.07			
$ 41 DCB Decachlorobiphenyl									
1	1	8.969	8.967	0.002	22117058	28.4			
2	2	9.424	9.423	0.001	20439457	28.0			
						RPD = 1.28			

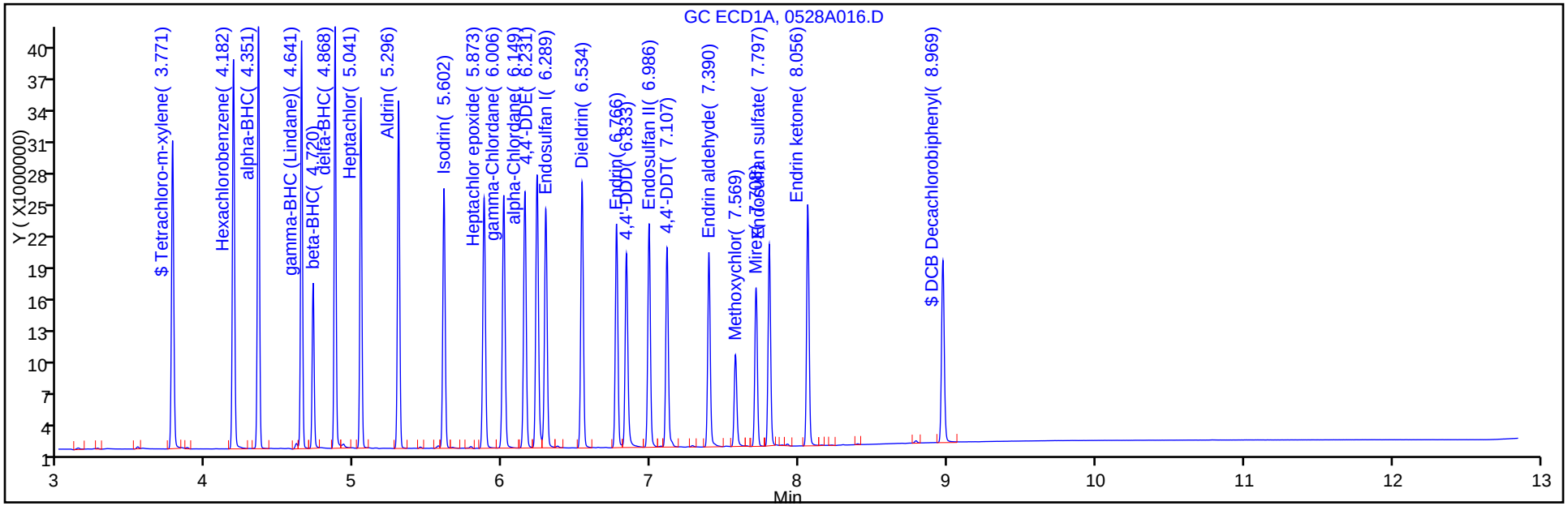
Report Date: 29-May-2013 11:03:08 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

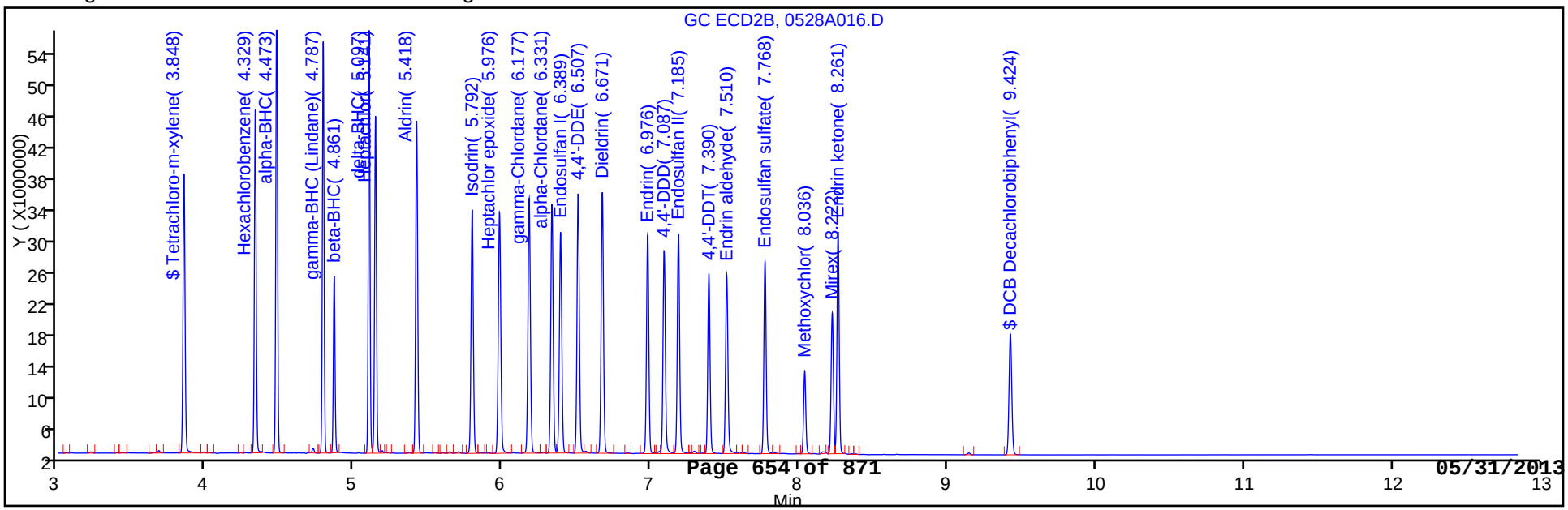
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Injection Date:	28-May-2013 15:17:16	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176155	Lims Sample ID:	16
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCVRT 280-176329/10 Calibration Date: 05/29/2013 16:11

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290010.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2		1318709		48.7	50.0	-2.6	20.0
alpha-BHC	Lin2		1390705		49.8	50.0	-0.5	20.0
gamma-BHC (Lindane)	Lin2		1227586		50.2	50.0	0.4	20.0
beta-BHC	Lin2		515563		50.1	50.0	0.1	20.0
delta-BHC	Lin2		1255819		49.8	50.0	-0.4	20.0
Heptachlor	Lin2		1096636		50.6	50.0	1.2	20.0
Aldrin	Lin2		1155883		49.6	50.0	-0.7	20.0
Isodrin	Lin2		1074224		49.8	50.0	-0.4	20.0
Heptachlor epoxide	Lin2		1033097		49.9	50.0	-0.2	20.0
gamma-Chlordane	Lin2		1082842		49.8	50.0	-0.4	20.0
alpha-Chlordane	Lin2		1072449		49.7	50.0	-0.7	20.0
4,4'-DDE	Lin2		1185989		48.9	50.0	-2.1	20.0
Endosulfan I	Lin2		1016596		50.7	50.0	1.3	20.0
Dieldrin	Lin2		1082074		49.9	50.0	-0.3	20.0
Endrin	Ave	863084	890870		51.6	50.0	3.2	20.0
4,4'-DDD	Lin2		841567		49.0	50.0	-2.0	20.0
Endosulfan II	Lin2		920554		50.1	50.0	0.1	20.0
4,4'-DDT	Lin2		842010		49.0	50.0	-1.9	20.0
Endrin aldehyde	Lin2		768792		47.8	50.0	-4.5	20.0
Methoxychlor	Lin2		417765		49.4	50.0	-1.2	20.0
Mirex	Lin2		651662		49.2	50.0	-1.7	20.0
Endosulfan sulfate	Lin2		820813		49.4	50.0	-1.1	20.0
Endrin ketone	Lin2		921898		48.1	50.0	-3.9	20.0
Tetrachloro-m-xylene	Lin2		1151590		48.8	50.0	-2.4	20.0
DCB Decachlorobiphenyl	Lin2		750214		48.9	50.0	-2.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCVRT 280-176329/10 Calibration Date: 05/29/2013 16:11

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290010.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	4.18	4.17	4.19
alpha-BHC	4.35	4.34	4.36
gamma-BHC (Lindane)	4.64	4.63	4.65
beta-BHC	4.72	4.71	4.73
delta-BHC	4.86	4.85	4.87
Heptachlor	5.04	5.03	5.05
Aldrin	5.29	5.28	5.30
Isodrin	5.60	5.59	5.61
Heptachlor epoxide	5.87	5.86	5.88
gamma-Chlordane	6.00	5.99	6.01
alpha-Chlordane	6.14	6.13	6.15
4,4'-DDE	6.23	6.22	6.24
Endosulfan I	6.28	6.27	6.29
Dieldrin	6.53	6.52	6.54
Endrin	6.76	6.75	6.77
4,4'-DDD	6.83	6.82	6.84
Endosulfan II	6.98	6.97	6.99
4,4'-DDT	7.10	7.09	7.11
Endrin aldehyde	7.38	7.37	7.39
Methoxychlor	7.56	7.55	7.57
Mirex	7.70	7.69	7.71
Endosulfan sulfate	7.79	7.78	7.80
Endrin ketone	8.05	8.04	8.06
Tetrachloro-m-xylene	3.77	3.76	3.78
DCB Decachlorobiphenyl	8.96	8.95	8.97

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290010.D
Lims ID: CCVRT AB4 Client ID:
Inject. Date: 29-May-2013 16:11:16 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: CCVRT AB4
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 176329 Lims Sample ID: 10
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:29 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						200.0			
2						203.4			
						RPD = 1.71			
$ 7 Tetrachloro-m-xylene									
1	100	3.767	3.767	0.000	57579482	48.8			
2	2	3.845	3.845	0.000	65831285	49.4			
						RPD = 1.21			
8 Hexachlorobenzene									
1	100	4.178	4.178	0.000	65935473	48.7			
2	2	4.325	4.325	0.000	67733440	49.4			
						RPD = 1.53			
10 alpha-BHC									
1	-65	4.346	4.346	0.000	69535246	49.8			
2	2	4.470	4.470	0.000	91355289	50.8			
						RPD = 2.06			
11 gamma-BHC (Lindane)									
1	-65	4.637	4.637	0.000	61379289	50.2			
2	2	4.784	4.784	0.000	80122500	51.1			
						RPD = 1.85			
12 beta-BHC									
1	100	4.716	4.716	0.000	25778143	50.1			
2	2	4.857	4.857	0.000	33714702	51.0			
						RPD = 1.87			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.864	4.864	0.000	62790940	49.8			
2	2	5.093	5.093	0.000	81814654	51.2			
						RPD = 2.80			
15 Heptachlor									
1	100	5.038	5.038	0.000	54831787	50.6			
2	2	5.136	5.136	0.000	71698757	52.0			
						RPD = 2.74			
16 Aldrin									
1	-65	5.291	5.291	0.000	57794161	49.6			
2	2	5.413	5.413	0.000	74042616	50.8			
						RPD = 2.23			
18 Isodrin									
1	100	5.597	5.597	0.000	53711181	49.8			
2	2	5.787	5.787	0.000	69028155	50.6			
						RPD = 1.46			
22 Heptachlor epoxide									
1	-65	5.867	5.867	0.000	51654843	49.9			
2	2	5.971	5.971	0.000	67229392	50.8			
						RPD = 1.77			
23 gamma-Chlordane									
1	-65	5.999	5.999	0.000	54142109	49.8			
2	2	6.171	6.171	0.000	69083347	50.3			
						RPD = 1.11			
24 alpha-Chlordane									
1	-65	6.143	6.143	0.000	53622463	49.7			
2	2	6.325	6.325	0.000	66787190	50.3			
						RPD = 1.18			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	59299443	48.9			
2	2	6.502	6.502	0.000	68592972	49.4			
						RPD = 0.84			
26 Endosulfan I									
1	100	6.284	6.284	0.000	50829794	50.7			
2	2	6.384	6.384	0.000	62100236	51.4			
						RPD = 1.48			
28 Dieldrin									
1	100	6.528	6.528	0.000	54103679	49.9			
2	2	6.665	6.665	0.000	68161738	50.4			
						RPD = 1.05			
30 Endrin									
1	-65	6.761	6.761	0.000	44543491	51.6			
2	2	6.971	6.971	0.000	57298177	54.3			
						RPD = 5.16			
32 4,4'-DDD									
1	100	6.827	6.827	0.000	42078356	49.0			
2	2	7.083	7.083	0.000	54090889	49.7			
						RPD = 1.52			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.980	6.980	0.000	46027700	50.1			
2	2	7.178	7.178	0.000	58039605	51.1			
						RPD = 2.11			
35 4,4'-DDT									
1	-65	7.101	7.101	0.000	42100494	49.0			
2	2	7.384	7.384	0.000	48854170	51.2			
						RPD = 4.34			
36 Endrin aldehyde									
1	-65	7.384	7.384	0.000	38439608	47.8			
2	2	7.505	7.505	0.000	47819853	48.9			
						RPD = 2.28			
37 Methoxychlor									
1	-65	7.562	7.562	0.000	20888231	49.4			
2	2	8.031	8.031	0.000	23526327	52.0			
						RPD = 5.09			
38 Mirex									
1	100	7.702	7.702	0.000	32583075	49.2			
2	2	8.217	8.217	0.000	37044311	50.4			
						RPD = 2.56			
39 Endosulfan sulfate									
1	-65	7.792	7.792	0.000	41040653	49.4			
2	2	7.763	7.763	0.000	51040168	50.4			
						RPD = 1.89			
40 Endrin ketone									
1	-65	8.052	8.052	0.000	46094903	48.1			
2	2	8.256	8.256	0.000	55462755	49.5			
						RPD = 3.04			
$ 41 DCB Decachlorobiphenyl									
1	1	8.962	8.962	0.000	37510687	48.9			
2	2	9.417	9.417	0.000	35854616	50.1			
						RPD = 2.43			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

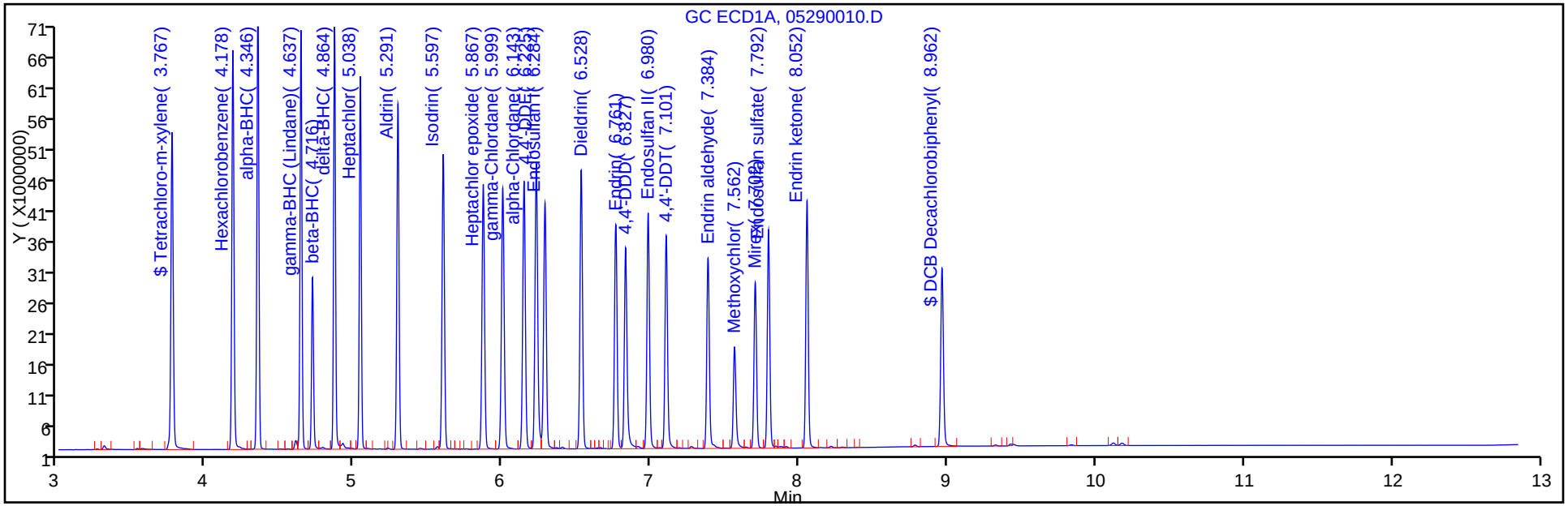
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TestAmerica Denver

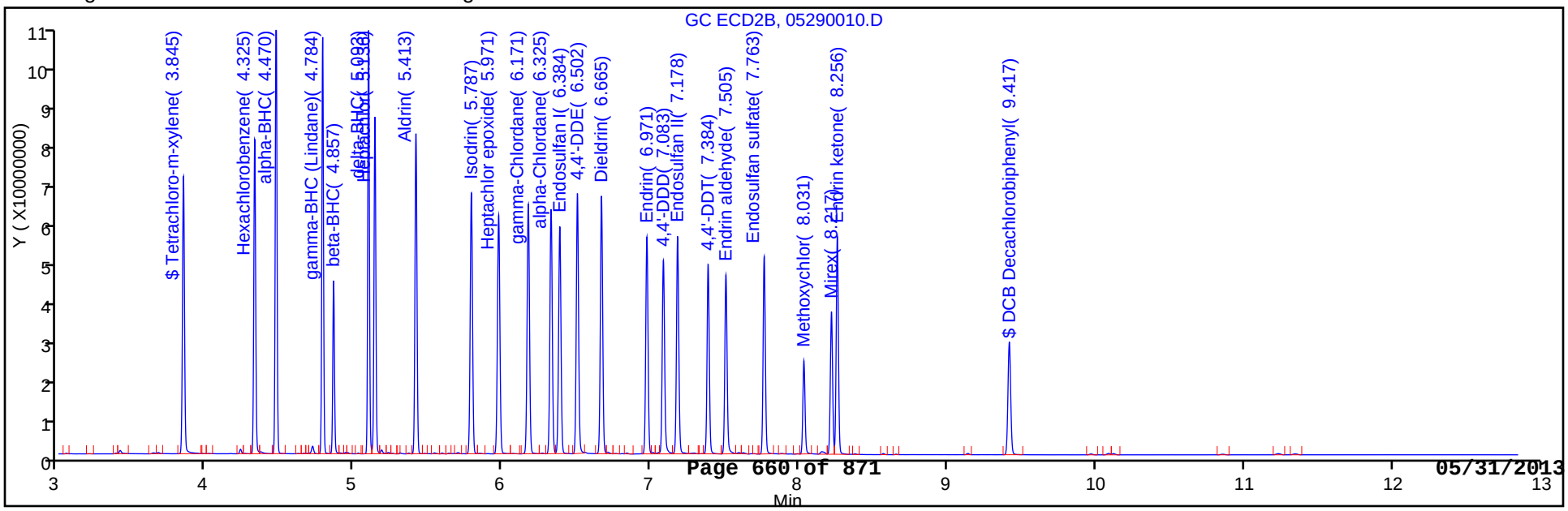
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Injection Date:	29-May-2013 16:11:16	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	10
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCVRT 280-176329/10 Calibration Date: 05/29/2013 16:11

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290010.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2		1354669		49.4	50.0	-1.1	20.0
alpha-BHC	Lin2		1827106		50.8	50.0	1.6	20.0
gamma-BHC (Lindane)	Lin2		1602450		51.1	50.0	2.3	20.0
beta-BHC	Lin2		674294		51.0	50.0	2.0	20.0
delta-BHC	Lin2		1636293		51.2	50.0	2.4	20.0
Heptachlor	Lin2		1433975		52.0	50.0	4.0	20.0
Aldrin	Lin2		1480852		50.8	50.0	1.5	20.0
Isodrin	Lin2		1380563		50.6	50.0	1.1	20.0
Heptachlor epoxide	Lin2		1344588		50.8	50.0	1.6	20.0
gamma-Chlordane	Lin2		1381667		50.3	50.0	0.7	20.0
alpha-Chlordane	Lin2		1335744		50.3	50.0	0.5	20.0
Endosulfan I	Lin2		1242005		51.4	50.0	2.8	20.0
4,4'-DDE	Lin2		1371859		49.4	50.0	-1.3	20.0
Dieldrin	Lin2		1363235		50.4	50.0	0.8	20.0
Endrin	Lin2		1145964		54.3	50.0	8.7	20.0
4,4'-DDD	Lin2		1081818		49.7	50.0	-0.5	20.0
Endosulfan II	Lin2		1160792		51.1	50.0	2.3	20.0
4,4'-DDT	Lin2		977083		51.2	50.0	2.4	20.0
Endrin aldehyde	Lin2		956397		48.9	50.0	-2.3	20.0
Endosulfan sulfate	Lin2		1020803		50.4	50.0	0.8	20.0
Methoxychlor	Lin2		470527		52.0	50.0	3.9	20.0
Mirex	Lin2		740886		50.4	50.0	0.9	20.0
Endrin ketone	Lin2		1109255		49.5	50.0	-0.9	20.0
Tetrachloro-m-xylene	Lin2		1316626		49.4	50.0	-1.2	20.0
DCB Decachlorobiphenyl	Lin2		717092		50.1	50.0	0.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCVRT 280-176329/10 Calibration Date: 05/29/2013 16:11

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290010.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	4.33	4.32	4.34
alpha-BHC	4.47	4.46	4.48
gamma-BHC (Lindane)	4.78	4.77	4.79
beta-BHC	4.86	4.85	4.87
delta-BHC	5.09	5.08	5.10
Heptachlor	5.14	5.13	5.15
Aldrin	5.41	5.40	5.42
Isodrin	5.79	5.78	5.80
Heptachlor epoxide	5.97	5.96	5.98
gamma-Chlordane	6.17	6.16	6.18
alpha-Chlordane	6.33	6.32	6.34
Endosulfan I	6.38	6.37	6.39
4,4'-DDE	6.50	6.49	6.51
Dieldrin	6.67	6.66	6.68
Endrin	6.97	6.96	6.98
4,4'-DDD	7.08	7.07	7.09
Endosulfan II	7.18	7.17	7.19
4,4'-DDT	7.38	7.37	7.39
Endrin aldehyde	7.51	7.50	7.52
Endosulfan sulfate	7.76	7.75	7.77
Methoxychlor	8.03	8.02	8.04
Mirex	8.22	8.21	8.23
Endrin ketone	8.26	8.25	8.27
Tetrachloro-m-xylene	3.85	3.84	3.86
DCB Decachlorobiphenyl	9.42	9.41	9.43

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290010.D
Lims ID: CCVRT AB4 Client ID:
Inject. Date: 29-May-2013 16:11:16 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: CCVRT AB4
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 176329 Lims Sample ID: 10
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:29 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						200.0			
2						203.4			
						RPD = 1.71			
$ 7 Tetrachloro-m-xylene									
1	100	3.767	3.767	0.000	57579482	48.8			
2	2	3.845	3.845	0.000	65831285	49.4			
						RPD = 1.21			
8 Hexachlorobenzene									
1	100	4.178	4.178	0.000	65935473	48.7			
2	2	4.325	4.325	0.000	67733440	49.4			
						RPD = 1.53			
10 alpha-BHC									
1	-65	4.346	4.346	0.000	69535246	49.8			
2	2	4.470	4.470	0.000	91355289	50.8			
						RPD = 2.06			
11 gamma-BHC (Lindane)									
1	-65	4.637	4.637	0.000	61379289	50.2			
2	2	4.784	4.784	0.000	80122500	51.1			
						RPD = 1.85			
12 beta-BHC									
1	100	4.716	4.716	0.000	25778143	50.1			
2	2	4.857	4.857	0.000	33714702	51.0			
						RPD = 1.87			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.864	4.864	0.000	62790940	49.8			
2	2	5.093	5.093	0.000	81814654	51.2			
						RPD = 2.80			
15 Heptachlor									
1	100	5.038	5.038	0.000	54831787	50.6			
2	2	5.136	5.136	0.000	71698757	52.0			
						RPD = 2.74			
16 Aldrin									
1	-65	5.291	5.291	0.000	57794161	49.6			
2	2	5.413	5.413	0.000	74042616	50.8			
						RPD = 2.23			
18 Isodrin									
1	100	5.597	5.597	0.000	53711181	49.8			
2	2	5.787	5.787	0.000	69028155	50.6			
						RPD = 1.46			
22 Heptachlor epoxide									
1	-65	5.867	5.867	0.000	51654843	49.9			
2	2	5.971	5.971	0.000	67229392	50.8			
						RPD = 1.77			
23 gamma-Chlordane									
1	-65	5.999	5.999	0.000	54142109	49.8			
2	2	6.171	6.171	0.000	69083347	50.3			
						RPD = 1.11			
24 alpha-Chlordane									
1	-65	6.143	6.143	0.000	53622463	49.7			
2	2	6.325	6.325	0.000	66787190	50.3			
						RPD = 1.18			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	59299443	48.9			
2	2	6.502	6.502	0.000	68592972	49.4			
						RPD = 0.84			
26 Endosulfan I									
1	100	6.284	6.284	0.000	50829794	50.7			
2	2	6.384	6.384	0.000	62100236	51.4			
						RPD = 1.48			
28 Dieldrin									
1	100	6.528	6.528	0.000	54103679	49.9			
2	2	6.665	6.665	0.000	68161738	50.4			
						RPD = 1.05			
30 Endrin									
1	-65	6.761	6.761	0.000	44543491	51.6			
2	2	6.971	6.971	0.000	57298177	54.3			
						RPD = 5.16			
32 4,4'-DDD									
1	100	6.827	6.827	0.000	42078356	49.0			
2	2	7.083	7.083	0.000	54090889	49.7			
						RPD = 1.52			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.980	6.980	0.000	46027700	50.1			
2	2	7.178	7.178	0.000	58039605	51.1			
						RPD = 2.11			
35 4,4'-DDT									
1	-65	7.101	7.101	0.000	42100494	49.0			
2	2	7.384	7.384	0.000	48854170	51.2			
						RPD = 4.34			
36 Endrin aldehyde									
1	-65	7.384	7.384	0.000	38439608	47.8			
2	2	7.505	7.505	0.000	47819853	48.9			
						RPD = 2.28			
37 Methoxychlor									
1	-65	7.562	7.562	0.000	20888231	49.4			
2	2	8.031	8.031	0.000	23526327	52.0			
						RPD = 5.09			
38 Mirex									
1	100	7.702	7.702	0.000	32583075	49.2			
2	2	8.217	8.217	0.000	37044311	50.4			
						RPD = 2.56			
39 Endosulfan sulfate									
1	-65	7.792	7.792	0.000	41040653	49.4			
2	2	7.763	7.763	0.000	51040168	50.4			
						RPD = 1.89			
40 Endrin ketone									
1	-65	8.052	8.052	0.000	46094903	48.1			
2	2	8.256	8.256	0.000	55462755	49.5			
						RPD = 3.04			
$ 41 DCB Decachlorobiphenyl									
1	1	8.962	8.962	0.000	37510687	48.9			
2	2	9.417	9.417	0.000	35854616	50.1			
						RPD = 2.43			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

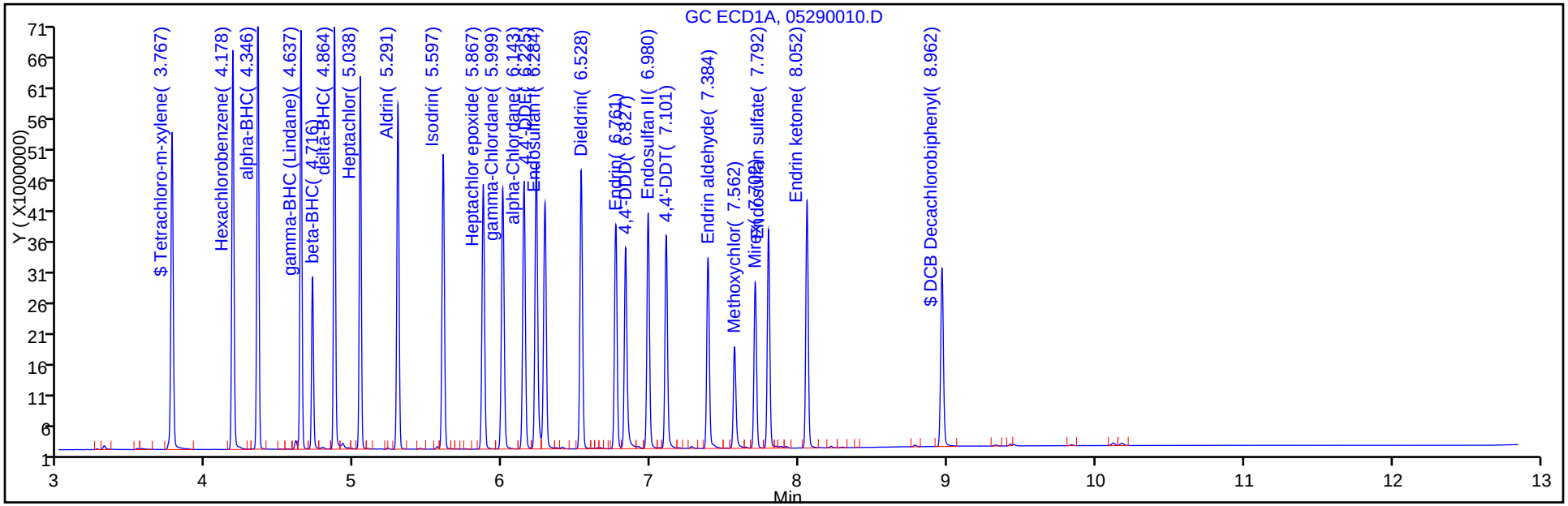
Report Date: 30-May-2013 07:32:29 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

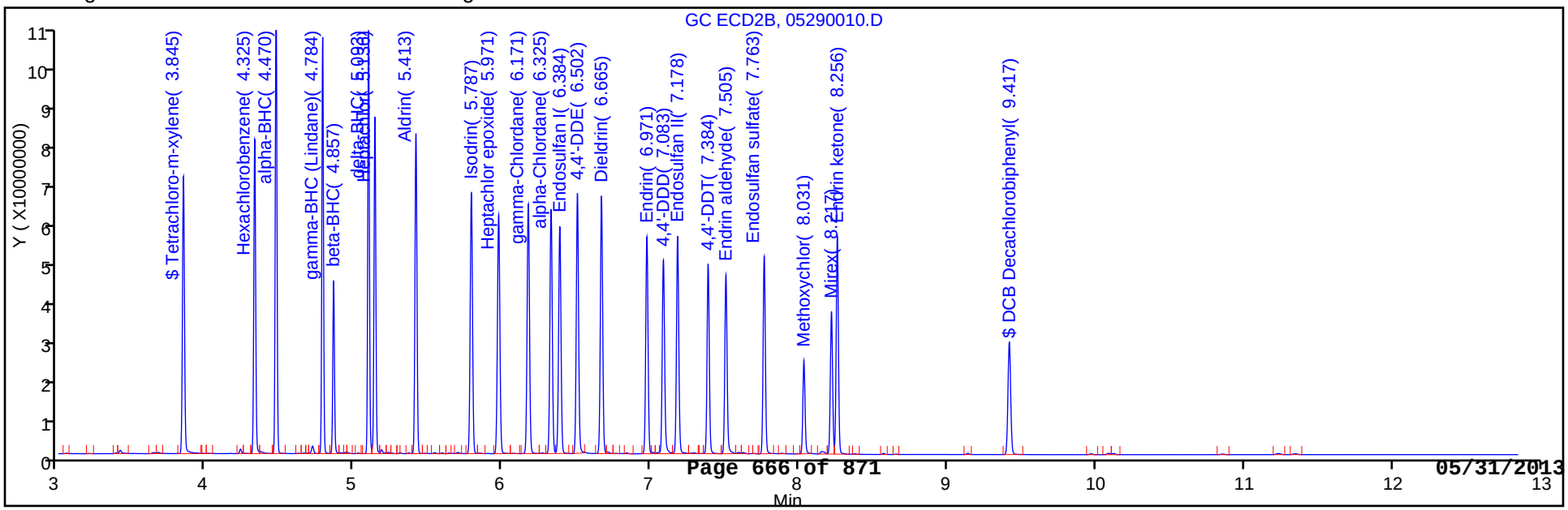
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Injection Date:	29-May-2013 16:11:16	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	10
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/11 Calibration Date: 05/29/2013 16:27

Instrument ID: SGC_P2 Calib Start Date: 05/09/2013 23:51

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/10/2013 01:13

Lab File ID: 05290011.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		3393		2190	2000	9.5	20.0
Toxaphene Peak 2	Lin2		18480		2170	2000	8.7	20.0
Toxaphene Peak 3	Lin2		28285		2260	2000	13.0	20.0
Toxaphene Peak 4	Lin2		48840		2070	2000	3.7	20.0
Toxaphene Peak 5	Lin2		22908		2040	2000	1.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/11 Calibration Date: 05/29/2013 16:27

Instrument ID: SGC_P2 Calib Start Date: 05/09/2013 23:51

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/10/2013 01:13

Lab File ID: 05290011.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.11	6.10	6.14
Toxaphene Peak 2	6.62	6.61	6.65
Toxaphene Peak 3	7.30	7.29	7.33
Toxaphene Peak 4	7.70	7.69	7.73
Toxaphene Peak 5	8.17	8.16	8.20

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290011.D
Lims ID: CCV TOX4 Client ID:
Inject. Date: 29-May-2013 16:27:47 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV TOX4
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 5
Lims Batch ID: 176329 Lims Sample ID: 11
Sublist: chrom-8081 P2*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:30 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 30-May-2013 07:09:20

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.114	6.120	-0.006	6785708	2190.0		100.0	M
1	-65	6.624	6.630	-0.006	36960418	2174.0	515.9- 555.9	544.7	M
1	-65	7.304	7.310	-0.006	56569891	2259.5	731.1- 771.1	833.7	M
1	-65	7.704	7.709	-0.005	97680363	2073.7	1471.6-1511.6	1439.5	M
1	-65	8.173	8.178	-0.005	45816676	2037.3	701.3- 741.3	675.2	M
			Average of Peak Amounts =			2146.9			
2	6	6.641	6.650	-0.009	36418604	2464.4		100.0	M
2	7	6.913	6.918	-0.005	66606091	2074.8	185.9- 245.9	182.9	M
2	8	7.259	7.267	-0.008	107808167	2343.1	281.4- 341.4	296.0	M
2	9	7.509	7.516	-0.007	138333028	2317.8	371.6- 431.6	379.8	M
2	10	8.342	8.350	-0.008	51211577	2223.0	123.9- 183.9	140.6	M
			Average of Peak Amounts =			2284.6			
						RPD = 6.22			

QC Flag Legend

Review Flags
M - Manually Integrated

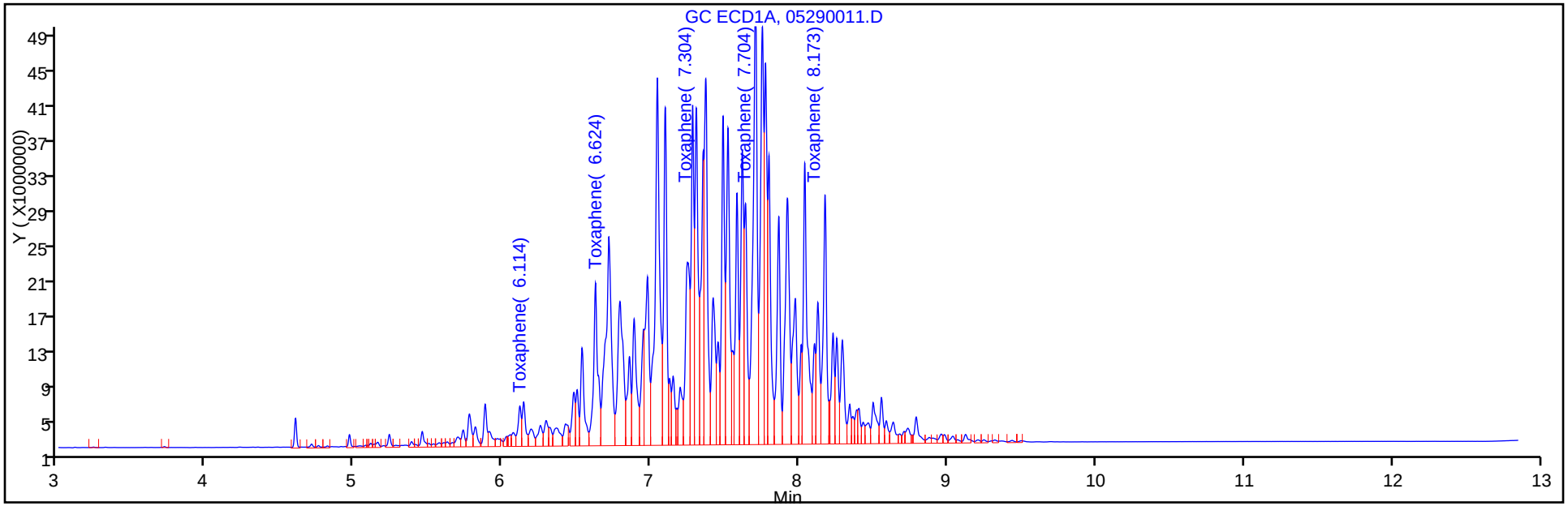
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TestAmerica Denver

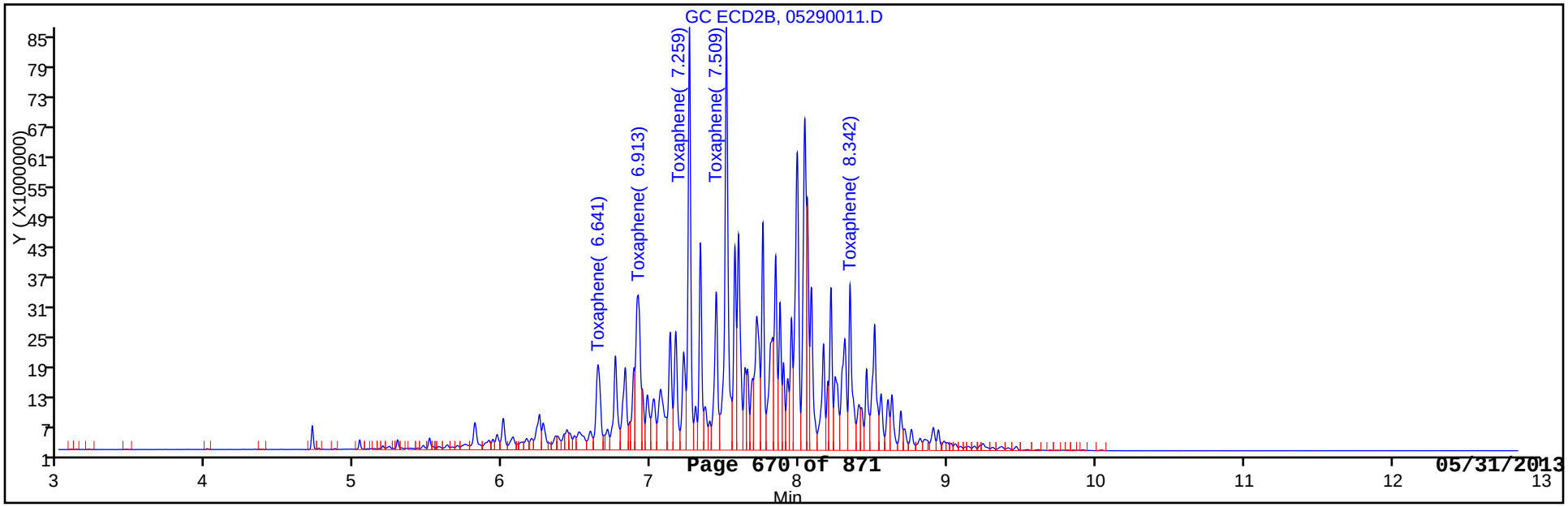
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Injection Date:	29-May-2013 16:27:47	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	11
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



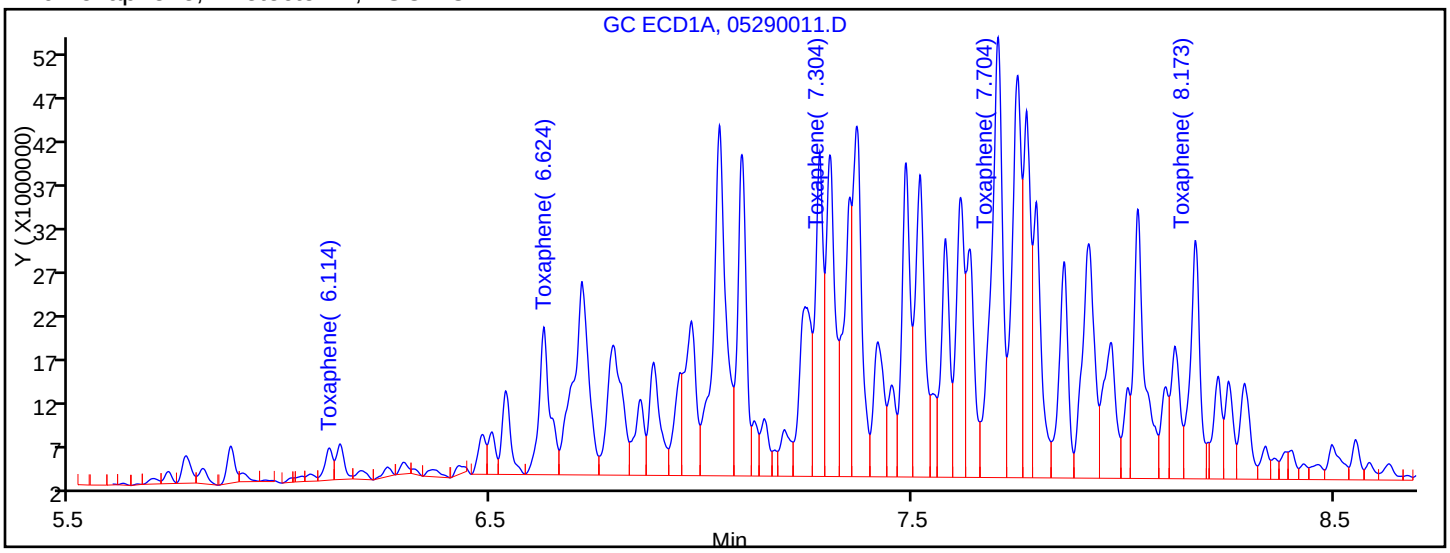
Report Date: 30-May-2013 07:32:32 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290011.D

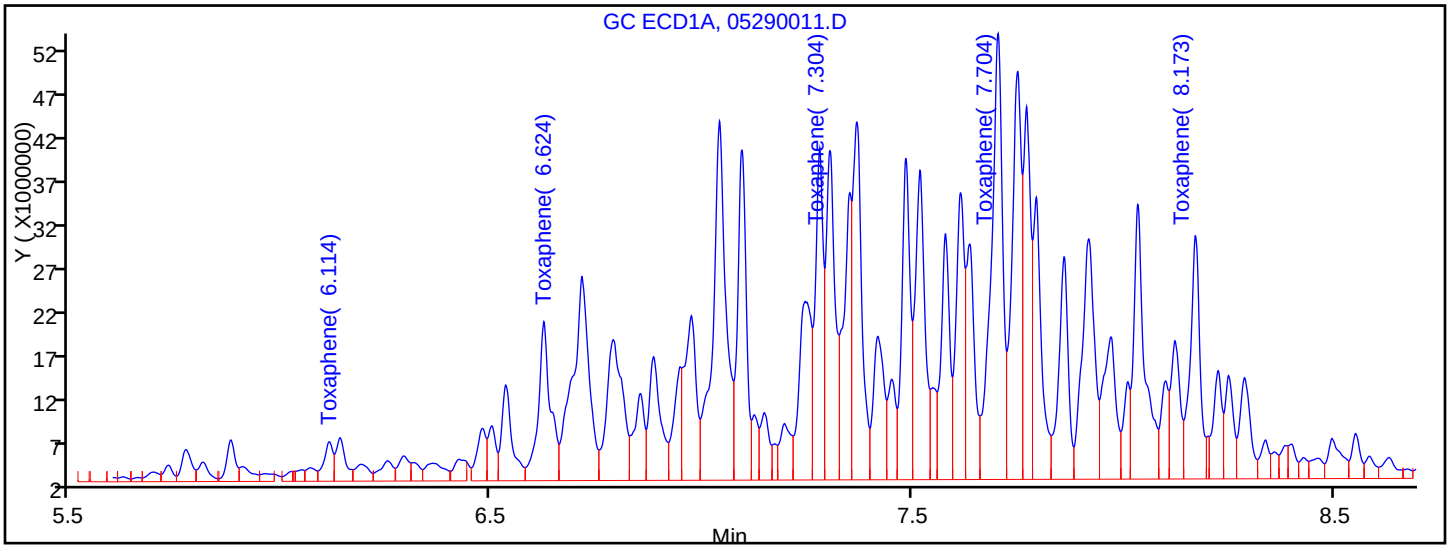
Injection Date:	29-May-2013 16:27:47	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	11
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.114	Response = 4822070	M
RT = 6.624	Response = 30145892	M
RT = 7.304	Response = 54214155	M
RT = 7.704	Response = 94047295	M
RT = 8.173	Response = 43383219	M



Manual Integration Results

RT = 6.114	Response = 6785708	M
RT = 6.624	Response = 36960418	M
RT = 7.304	Response = 56569891	M
RT = 7.704	Response = 97680363	M
RT = 8.173	Response = 45816676	M

Reviewer: wellsd, 30-May-2013 07:09:20

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/17 Calibration Date: 05/29/2013 18:06

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290017.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2		1372048		50.7	50.0	1.4	20.0
alpha-BHC	Lin2		1523493		54.6	50.0	9.1	20.0
gamma-BHC (Lindane)	Lin2		1330963		54.5	50.0	9.0	20.0
beta-BHC	Lin2		567555		55.3	50.0	10.5	20.0
delta-BHC	Lin2		1390475		55.2	50.0	10.3	20.0
Heptachlor	Lin2		1147912		53.0	50.0	6.0	20.0
Aldrin	Lin2		1274261		54.8	50.0	9.6	20.0
Isodrin	Lin2		1181775		54.9	50.0	9.8	20.0
Heptachlor epoxide	Lin2		1127554		54.6	50.0	9.2	20.0
gamma-Chlordane	Lin2		1177747		54.2	50.0	8.4	20.0
alpha-Chlordane	Lin2		1164888		54.0	50.0	8.0	20.0
4,4'-DDE	Lin2		1263555		52.2	50.0	4.3	20.0
Endosulfan I	Lin2		1091097		54.4	50.0	8.9	20.0
Dieldrin	Lin2		1167166		53.8	50.0	7.7	20.0
Endrin	Ave	863084	946213		54.8	50.0	9.6	20.0
4,4'-DDD	Lin2		919246		53.6	50.0	7.2	20.0
Endosulfan II	Lin2		982004		53.5	50.0	7.0	20.0
4,4'-DDT	Lin2		813569		47.4	50.0	-5.3	20.0
Endrin aldehyde	Lin2		825163		51.4	50.0	2.7	20.0
Methoxychlor	Lin2		413575		48.9	50.0	-2.2	20.0
Mirex	Lin2		682432		51.5	50.0	3.1	20.0
Endosulfan sulfate	Lin2		872327		52.6	50.0	5.2	20.0
Endrin ketone	Lin2		962713		50.2	50.0	0.4	20.0
Tetrachloro-m-xylene	Lin2		1154577		49.0	50.0	-2.1	20.0
DCB Decachlorobiphenyl	Lin2		776048		50.6	50.0	1.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/17 Calibration Date: 05/29/2013 18:06

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290017.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	4.18	4.17	4.19
alpha-BHC	4.35	4.34	4.36
gamma-BHC (Lindane)	4.64	4.63	4.65
beta-BHC	4.72	4.71	4.73
delta-BHC	4.87	4.85	4.87
Heptachlor	5.04	5.03	5.05
Aldrin	5.29	5.28	5.30
Isodrin	5.60	5.59	5.61
Heptachlor epoxide	5.87	5.86	5.88
gamma-Chlordane	6.00	5.99	6.01
alpha-Chlordane	6.14	6.13	6.15
4,4'-DDE	6.23	6.22	6.24
Endosulfan I	6.28	6.27	6.29
Dieldrin	6.53	6.52	6.54
Endrin	6.76	6.75	6.77
4,4'-DDD	6.83	6.82	6.84
Endosulfan II	6.98	6.97	6.99
4,4'-DDT	7.10	7.09	7.11
Endrin aldehyde	7.39	7.37	7.39
Methoxychlor	7.56	7.55	7.57
Mirex	7.70	7.69	7.71
Endosulfan sulfate	7.79	7.78	7.80
Endrin ketone	8.05	8.04	8.06
Tetrachloro-m-xylene	3.77	3.76	3.78
DCB Decachlorobiphenyl	8.96	8.95	8.97

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290017.D
Lims ID: CCV AB Client ID:
Inject. Date: 29-May-2013 18:06:46 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 176329 Lims Sample ID: 17
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:39 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						215.8			
2						203.6			
						RPD = 5.82			
$ 7 Tetrachloro-m-xylene									
1	100	3.769	3.767	0.002	57728832	49.0			
2	2	3.845	3.845	0.000	65202242	48.9			
						RPD = 0.03			
8 Hexachlorobenzene									
1	100	4.179	4.178	0.001	68602411	50.7			
2	2	4.325	4.325	0.000	68080710	49.7			
						RPD = 1.98			
10 alpha-BHC									
1	-65	4.348	4.346	0.002	76174627	54.6			
2	2	4.469	4.470	-0.001	90667515	50.4			
						RPD = 7.90			
11 gamma-BHC (Lindane)									
1	-65	4.638	4.637	0.001	66548131	54.5			
2	2	4.783	4.784	-0.001	79376197	50.7			
						RPD = 7.27			
12 beta-BHC									
1	100	4.716	4.716	0.000	28377754	55.3			
2	2	4.858	4.857	0.001	33640455	50.9			
						RPD = 8.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.865	4.864	0.001	69523739	55.2			
2	2	5.093	5.093	0.000	81510929	51.0			
						RPD = 7.86			
15 Heptachlor									
1	100	5.038	5.038	0.000	57395579	53.0			
2	2	5.137	5.136	0.001	70435436	51.1			
						RPD = 3.70			
16 Aldrin									
1	-65	5.293	5.291	0.002	63713061	54.8			
2	2	5.414	5.413	0.001	74687665	51.2			
						RPD = 6.75			
18 Isodrin									
1	100	5.598	5.597	0.001	59088770	54.9			
2	2	5.788	5.787	0.001	69617726	51.0			
						RPD = 7.36			
22 Heptachlor epoxide									
1	-65	5.868	5.867	0.001	56377700	54.6			
2	2	5.972	5.971	0.001	67768596	51.2			
						RPD = 6.33			
23 gamma-Chlordane									
1	-65	6.000	5.999	0.001	58887333	54.2			
2	2	6.172	6.171	0.001	69914644	51.0			
						RPD = 6.20			
24 alpha-Chlordane									
1	-65	6.143	6.143	0.000	58244396	54.0			
2	2	6.326	6.325	0.001	66891616	50.3			
						RPD = 7.05			
25 4,4'-DDE									
1	-65	6.227	6.225	0.002	63177749	52.2			
2	2	6.503	6.502	0.001	68425461	49.2			
						RPD = 5.80			
26 Endosulfan I									
1	100	6.284	6.284	0.000	54554832	54.4			
2	2	6.383	6.384	-0.001	61855821	51.2			
						RPD = 6.12			
28 Dieldrin									
1	100	6.529	6.528	0.001	58358281	53.8			
2	2	6.665	6.665	0.000	68738629	50.8			
						RPD = 5.77			
30 Endrin									
1	-65	6.762	6.761	0.001	47310647	54.8			
2	2	6.971	6.971	0.000	57509941	54.5			
						RPD = 0.49			
32 4,4'-DDD									
1	100	6.828	6.827	0.001	45962294	53.6			
2	2	7.083	7.083	0.000	56013949	51.5			
						RPD = 3.92			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.982	6.980	0.002	49100213	53.5			
2	2	7.178	7.178	0.000	57692333	50.8			
						RPD = 5.08			
35 4,4'-DDT									
1	-65	7.103	7.101	0.002	40678464	47.4			
2	2	7.384	7.384	0.000	46344205	48.6			
						RPD = 2.50			
36 Endrin aldehyde									
1	-65	7.385	7.384	0.001	41258136	51.4			
2	2	7.505	7.505	0.000	47693525	48.7			
						RPD = 5.23			
37 Methoxychlor									
1	-65	7.563	7.562	0.001	20678741	48.9			
2	2	8.031	8.031	0.000	23117844	51.0			
						RPD = 4.33			
38 Mirex									
1	100	7.704	7.702	0.002	34121590	51.5			
2	2	8.217	8.217	0.000	36705531	50.0			
						RPD = 3.11			
39 Endosulfan sulfate									
1	-65	7.793	7.792	0.001	43616352	52.6			
2	2	7.763	7.763	0.000	51470507	50.8			
						RPD = 3.45			
40 Endrin ketone									
1	-65	8.053	8.052	0.001	48135633	50.2			
2	2	8.256	8.256	0.000	55859574	49.9			
						RPD = 0.65			
$ 41 DCB Decachlorobiphenyl									
1	1	8.963	8.962	0.001	38802400	50.6			
2	2	9.418	9.417	0.001	34666338	48.4			
						RPD = 4.48			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

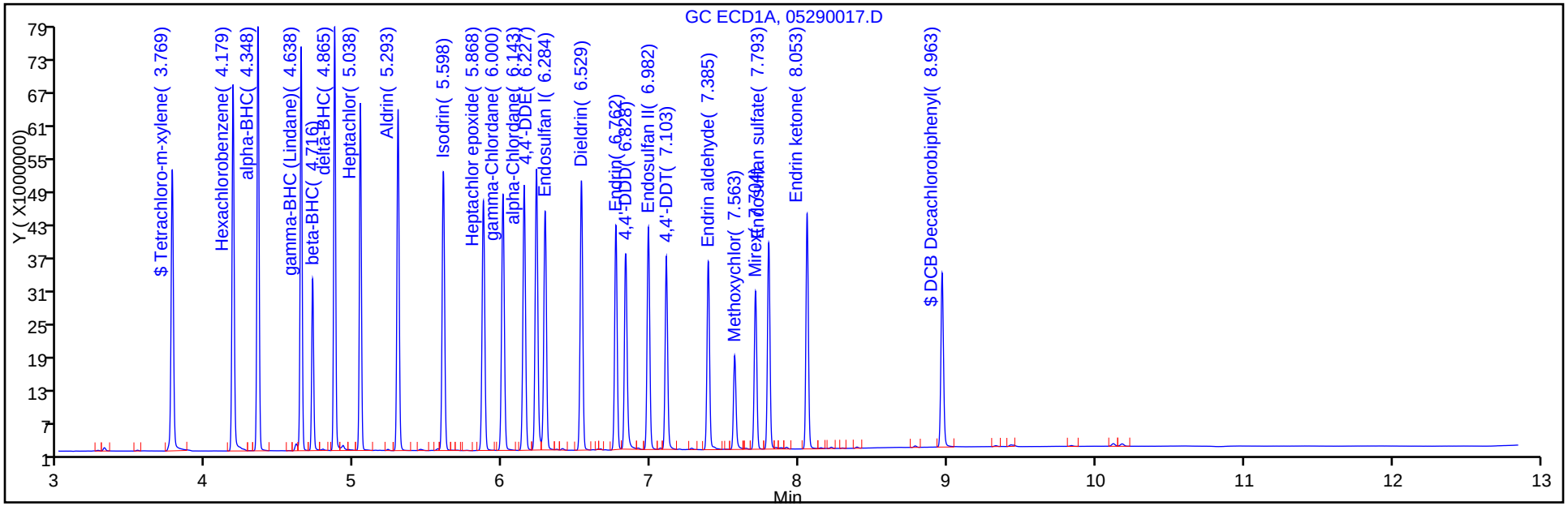
Report Date: 30-May-2013 07:32:40 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

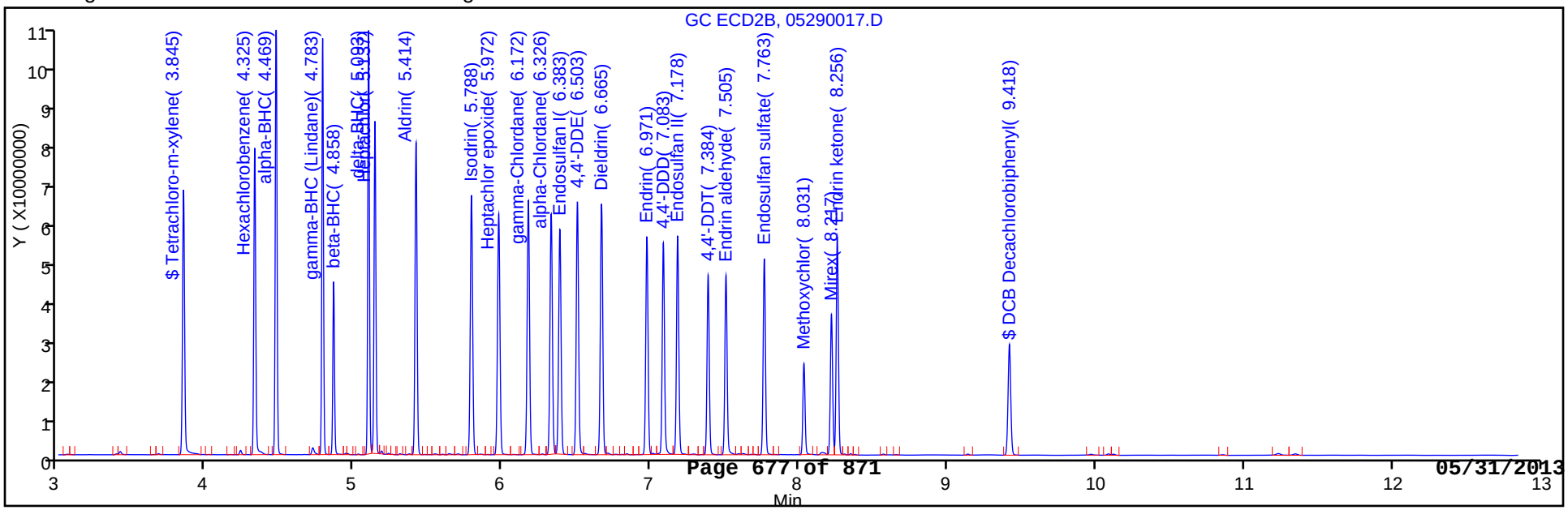
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290017.D

Injection Date:	29-May-2013 18:06:46	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	17
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/17 Calibration Date: 05/29/2013 18:06

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290017.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2		1361614		49.7	50.0	-0.6	20.0
alpha-BHC	Lin2		1813350		50.4	50.0	0.8	20.0
gamma-BHC (Lindane)	Lin2		1587524		50.7	50.0	1.3	20.0
beta-BHC	Lin2		672809		50.9	50.0	1.8	20.0
delta-BHC	Lin2		1630219		51.0	50.0	2.0	20.0
Heptachlor	Lin2		1408709		51.1	50.0	2.1	20.0
Aldrin	Lin2		1493753		51.2	50.0	2.4	20.0
Isodrin	Lin2		1392355		51.0	50.0	2.0	20.0
Heptachlor epoxide	Lin2		1355372		51.2	50.0	2.5	20.0
gamma-Chlordane	Lin2		1398293		51.0	50.0	1.9	20.0
alpha-Chlordane	Lin2		1337832		50.3	50.0	0.7	20.0
Endosulfan I	Lin2		1237116		51.2	50.0	2.4	20.0
4,4'-DDE	Lin2		1368509		49.2	50.0	-1.5	20.0
Dieldrin	Lin2		1374773		50.8	50.0	1.6	20.0
Endrin	Lin2		1150199		54.5	50.0	9.1	20.0
4,4'-DDD	Lin2		1120279		51.5	50.0	3.1	20.0
Endosulfan II	Lin2		1153847		50.8	50.0	1.7	20.0
4,4'-DDT	Lin2		926884		48.6	50.0	-2.9	20.0
Endrin aldehyde	Lin2		953871		48.7	50.0	-2.5	20.0
Endosulfan sulfate	Lin2		1029410		50.8	50.0	1.6	20.0
Methoxychlor	Lin2		462357		51.0	50.0	2.1	20.0
Mirex	Lin2		734111		50.0	50.0	-0.0	20.0
Endrin ketone	Lin2		1117191		49.9	50.0	-0.2	20.0
Tetrachloro-m-xylene	Lin2		1304045		48.9	50.0	-2.1	20.0
DCB Decachlorobiphenyl	Lin2		693327		48.4	50.0	-3.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/17 Calibration Date: 05/29/2013 18:06

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290017.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	4.33	4.32	4.34
alpha-BHC	4.47	4.46	4.48
gamma-BHC (Lindane)	4.78	4.77	4.79
beta-BHC	4.86	4.85	4.87
delta-BHC	5.09	5.08	5.10
Heptachlor	5.14	5.13	5.15
Aldrin	5.41	5.40	5.42
Isodrin	5.79	5.78	5.80
Heptachlor epoxide	5.97	5.96	5.98
gamma-Chlordane	6.17	6.16	6.18
alpha-Chlordane	6.33	6.32	6.34
Endosulfan I	6.38	6.37	6.39
4,4'-DDE	6.50	6.49	6.51
Dieldrin	6.67	6.66	6.68
Endrin	6.97	6.96	6.98
4,4'-DDD	7.08	7.07	7.09
Endosulfan II	7.18	7.17	7.19
4,4'-DDT	7.38	7.37	7.39
Endrin aldehyde	7.51	7.50	7.52
Endosulfan sulfate	7.76	7.75	7.77
Methoxychlor	8.03	8.02	8.04
Mirex	8.22	8.21	8.23
Endrin ketone	8.26	8.25	8.27
Tetrachloro-m-xylene	3.85	3.84	3.86
DCB Decachlorobiphenyl	9.42	9.41	9.43

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290017.D
Lims ID: CCV AB Client ID:
Inject. Date: 29-May-2013 18:06:46 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 176329 Lims Sample ID: 17
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:39 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						215.8			
2						203.6			
						RPD = 5.82			
$ 7 Tetrachloro-m-xylene									
1	100	3.769	3.767	0.002	57728832	49.0			
2	2	3.845	3.845	0.000	65202242	48.9			
						RPD = 0.03			
8 Hexachlorobenzene									
1	100	4.179	4.178	0.001	68602411	50.7			
2	2	4.325	4.325	0.000	68080710	49.7			
						RPD = 1.98			
10 alpha-BHC									
1	-65	4.348	4.346	0.002	76174627	54.6			
2	2	4.469	4.470	-0.001	90667515	50.4			
						RPD = 7.90			
11 gamma-BHC (Lindane)									
1	-65	4.638	4.637	0.001	66548131	54.5			
2	2	4.783	4.784	-0.001	79376197	50.7			
						RPD = 7.27			
12 beta-BHC									
1	100	4.716	4.716	0.000	28377754	55.3			
2	2	4.858	4.857	0.001	33640455	50.9			
						RPD = 8.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.865	4.864	0.001	69523739	55.2			
2	2	5.093	5.093	0.000	81510929	51.0			
						RPD = 7.86			
15 Heptachlor									
1	100	5.038	5.038	0.000	57395579	53.0			
2	2	5.137	5.136	0.001	70435436	51.1			
						RPD = 3.70			
16 Aldrin									
1	-65	5.293	5.291	0.002	63713061	54.8			
2	2	5.414	5.413	0.001	74687665	51.2			
						RPD = 6.75			
18 Isodrin									
1	100	5.598	5.597	0.001	59088770	54.9			
2	2	5.788	5.787	0.001	69617726	51.0			
						RPD = 7.36			
22 Heptachlor epoxide									
1	-65	5.868	5.867	0.001	56377700	54.6			
2	2	5.972	5.971	0.001	67768596	51.2			
						RPD = 6.33			
23 gamma-Chlordane									
1	-65	6.000	5.999	0.001	58887333	54.2			
2	2	6.172	6.171	0.001	69914644	51.0			
						RPD = 6.20			
24 alpha-Chlordane									
1	-65	6.143	6.143	0.000	58244396	54.0			
2	2	6.326	6.325	0.001	66891616	50.3			
						RPD = 7.05			
25 4,4'-DDE									
1	-65	6.227	6.225	0.002	63177749	52.2			
2	2	6.503	6.502	0.001	68425461	49.2			
						RPD = 5.80			
26 Endosulfan I									
1	100	6.284	6.284	0.000	54554832	54.4			
2	2	6.383	6.384	-0.001	61855821	51.2			
						RPD = 6.12			
28 Dieldrin									
1	100	6.529	6.528	0.001	58358281	53.8			
2	2	6.665	6.665	0.000	68738629	50.8			
						RPD = 5.77			
30 Endrin									
1	-65	6.762	6.761	0.001	47310647	54.8			
2	2	6.971	6.971	0.000	57509941	54.5			
						RPD = 0.49			
32 4,4'-DDD									
1	100	6.828	6.827	0.001	45962294	53.6			
2	2	7.083	7.083	0.000	56013949	51.5			
						RPD = 3.92			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.982	6.980	0.002	49100213	53.5			
2	2	7.178	7.178	0.000	57692333	50.8			
						RPD = 5.08			
35 4,4'-DDT									
1	-65	7.103	7.101	0.002	40678464	47.4			
2	2	7.384	7.384	0.000	46344205	48.6			
						RPD = 2.50			
36 Endrin aldehyde									
1	-65	7.385	7.384	0.001	41258136	51.4			
2	2	7.505	7.505	0.000	47693525	48.7			
						RPD = 5.23			
37 Methoxychlor									
1	-65	7.563	7.562	0.001	20678741	48.9			
2	2	8.031	8.031	0.000	23117844	51.0			
						RPD = 4.33			
38 Mirex									
1	100	7.704	7.702	0.002	34121590	51.5			
2	2	8.217	8.217	0.000	36705531	50.0			
						RPD = 3.11			
39 Endosulfan sulfate									
1	-65	7.793	7.792	0.001	43616352	52.6			
2	2	7.763	7.763	0.000	51470507	50.8			
						RPD = 3.45			
40 Endrin ketone									
1	-65	8.053	8.052	0.001	48135633	50.2			
2	2	8.256	8.256	0.000	55859574	49.9			
						RPD = 0.65			
$ 41 DCB Decachlorobiphenyl									
1	1	8.963	8.962	0.001	38802400	50.6			
2	2	9.418	9.417	0.001	34666338	48.4			
						RPD = 4.48			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

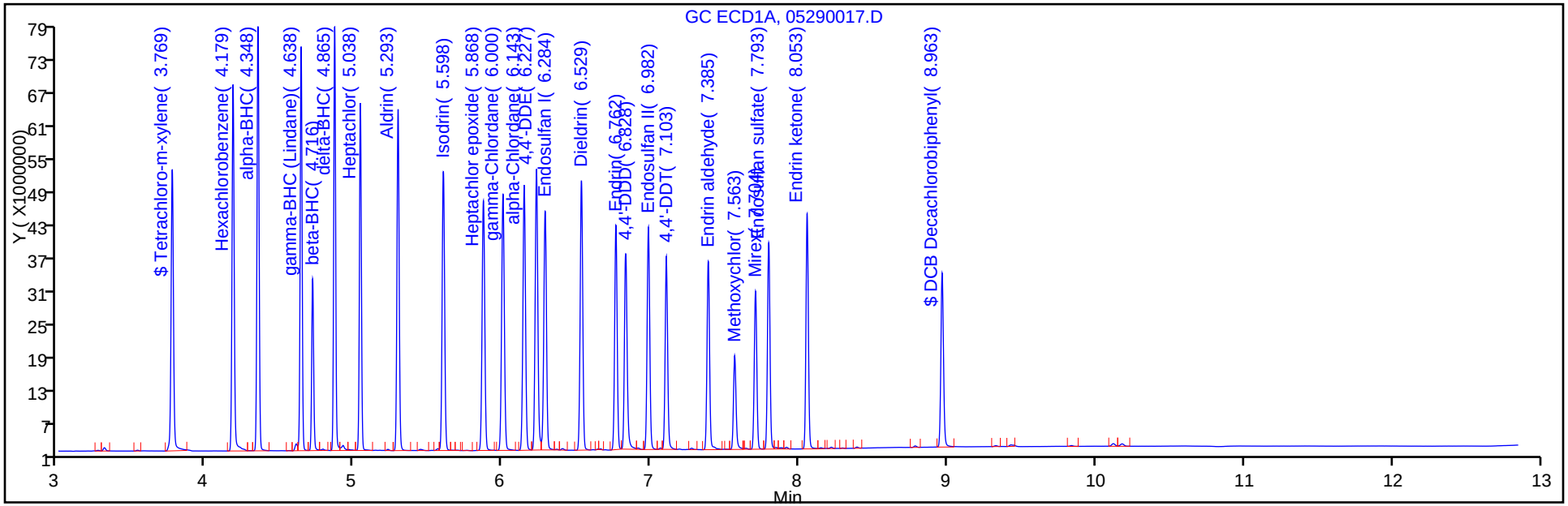
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TestAmerica Denver

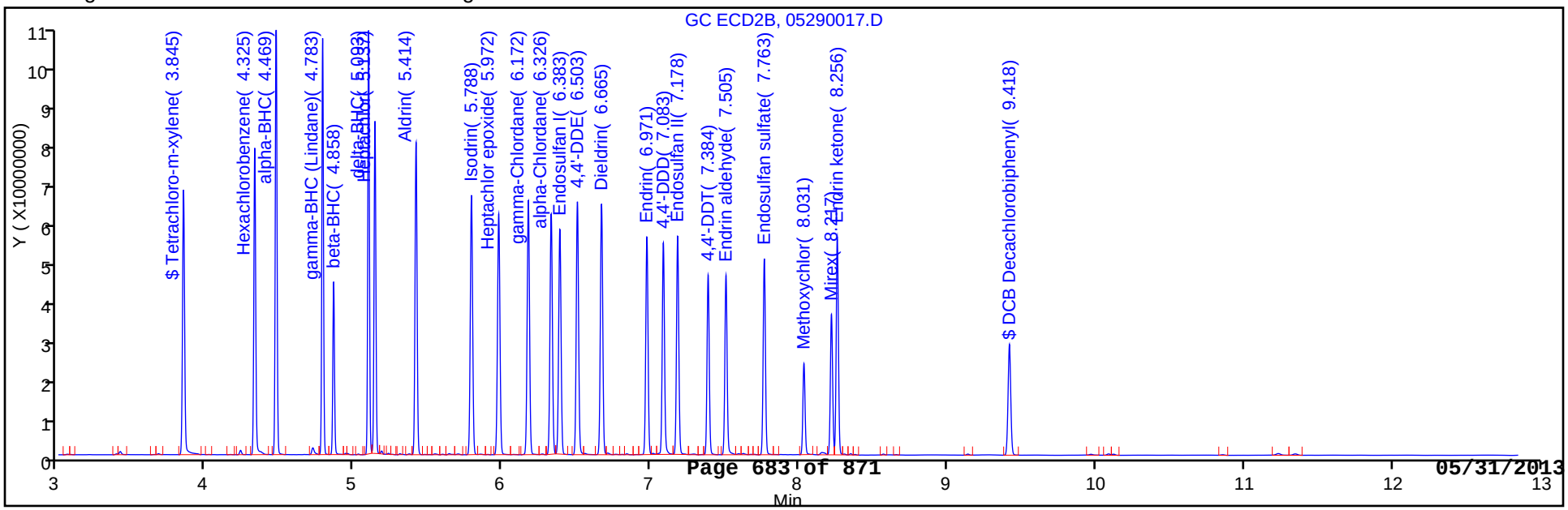
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Injection Date:	29-May-2013 18:06:46	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	17
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/18 Calibration Date: 05/29/2013 18:23

Instrument ID: SGC_P2 Calib Start Date: 05/09/2013 23:51

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/10/2013 01:13

Lab File ID: 05290018.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		4788		3080	2000	54.1*	20.0
Toxaphene Peak 2	Lin2		21413		2520	2000	26.0*	20.0
Toxaphene Peak 3	Lin2		27393		2190	2000	9.4	20.0
Toxaphene Peak 4	Lin2		48066		2040	2000	2.0	20.0
Toxaphene Peak 5	Lin2		18778		1680	2000	-16.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/18 Calibration Date: 05/29/2013 18:23

Instrument ID: SGC_P2 Calib Start Date: 05/09/2013 23:51

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/10/2013 01:13

Lab File ID: 05290018.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.12	6.10	6.14
Toxaphene Peak 2	6.63	6.61	6.65
Toxaphene Peak 3	7.31	7.29	7.33
Toxaphene Peak 4	7.71	7.69	7.73
Toxaphene Peak 5	8.18	8.16	8.20

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290018.D
Lims ID: CCV TOX Client ID:
Inject. Date: 29-May-2013 18:23:14 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV TOX
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 176329 Lims Sample ID: 18
Sublist: chrom-8081 P2*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:41 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 30-May-2013 07:10:19

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.116	6.120	-0.004	9576368	3081.9		100.0	M
1	-65	6.625	6.630	-0.005	42825195	2519.3	515.9- 555.9	447.2	M
1	-65	7.305	7.310	-0.005	54785954	2187.6	731.1- 771.1	572.1	M
1	-65	7.705	7.709	-0.004	96131714	2040.8	1471.6-1511.6	1003.8	M
1	-65	8.175	8.178	-0.003	37555738	1676.0	701.3- 741.3	392.2	M
			Average of Peak Amounts =			2301.1			
2	6	6.646	6.650	-0.004	42421352	2870.9		100.0	M
2	7	6.910	6.918	-0.008	79204150	2464.4	185.9- 245.9	186.7	M
2	8	7.259	7.267	-0.008	109704697	2384.1	281.4- 341.4	258.6	M
2	9	7.509	7.516	-0.007	137242810	2299.8	371.6- 431.6	323.5	M
2	10	8.343	8.350	-0.007	49496887	2150.6	123.9- 183.9	116.7	M
			Average of Peak Amounts =			2434.0			
						RPD = 5.61			

QC Flag Legend

Review Flags
M - Manually Integrated

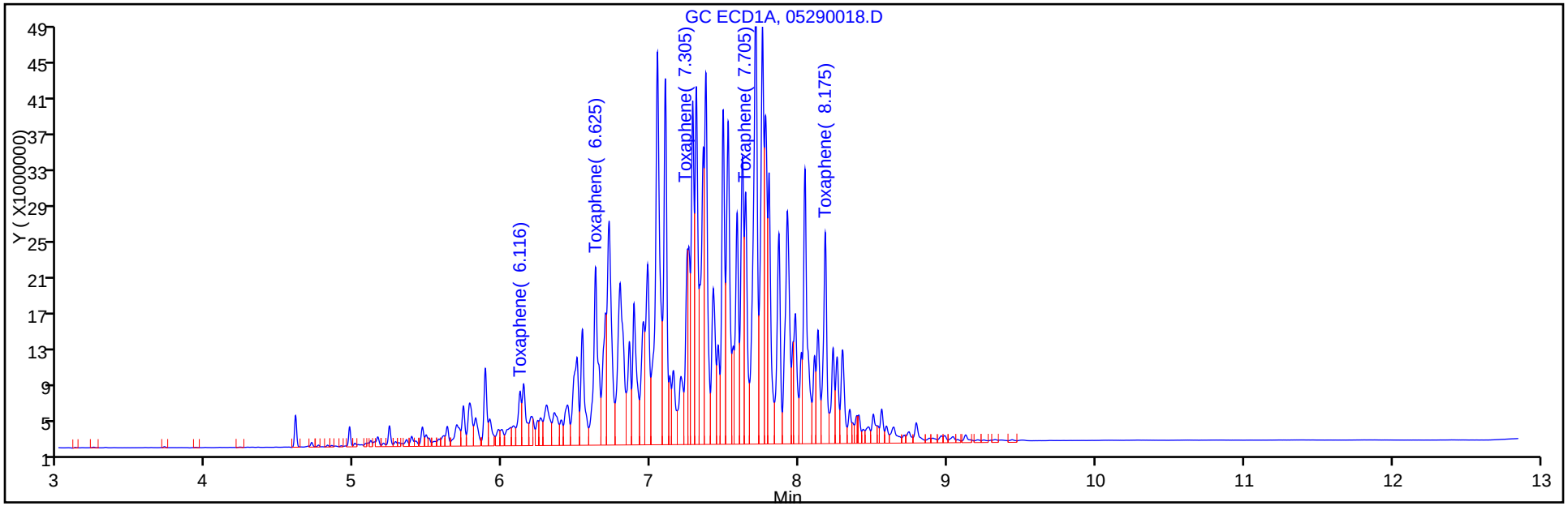
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TestAmerica Denver

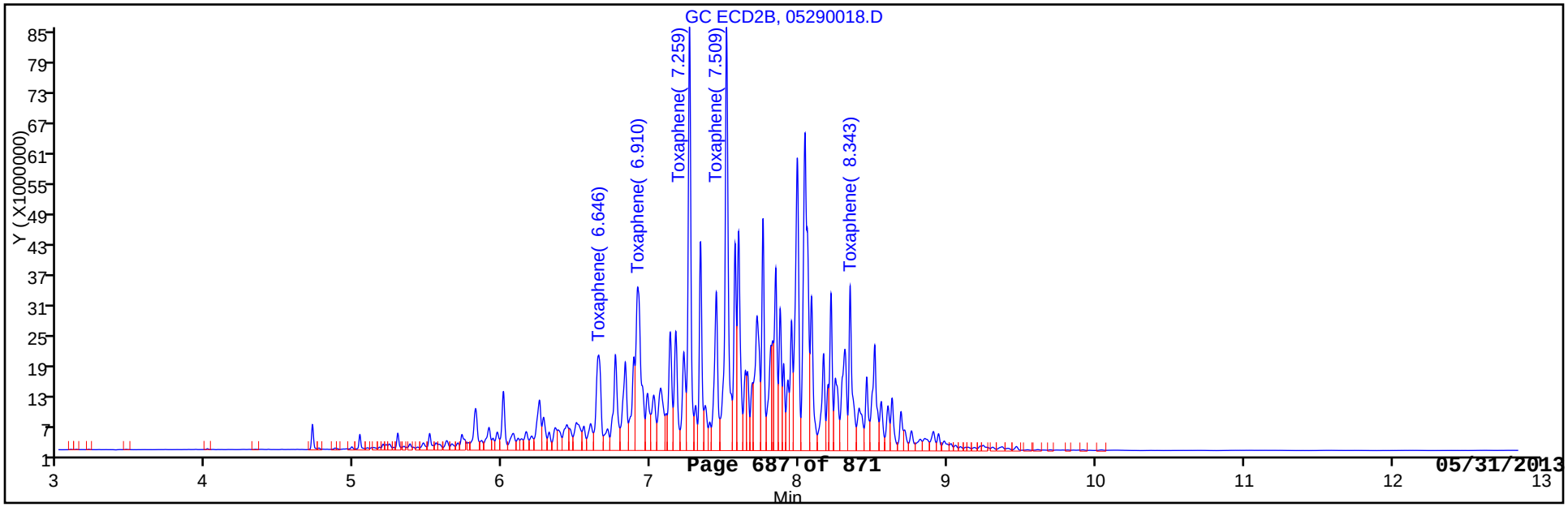
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Injection Date:	29-May-2013 18:23:14	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	18
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



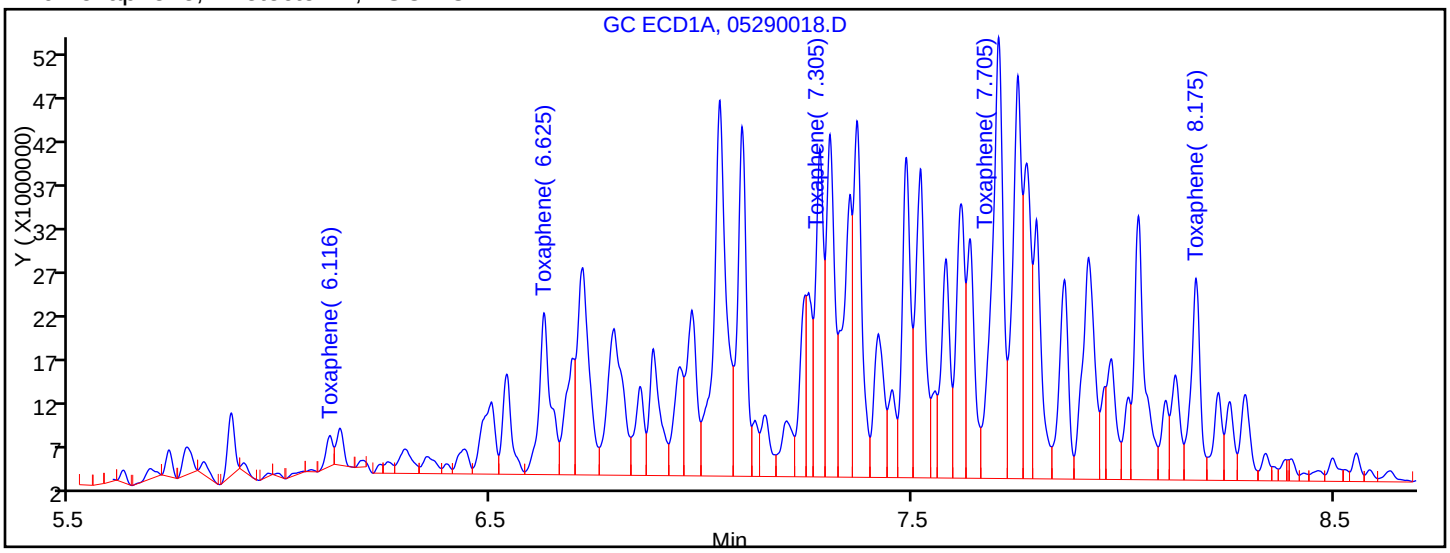
Report Date: 30-May-2013 07:32:42 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290018.D

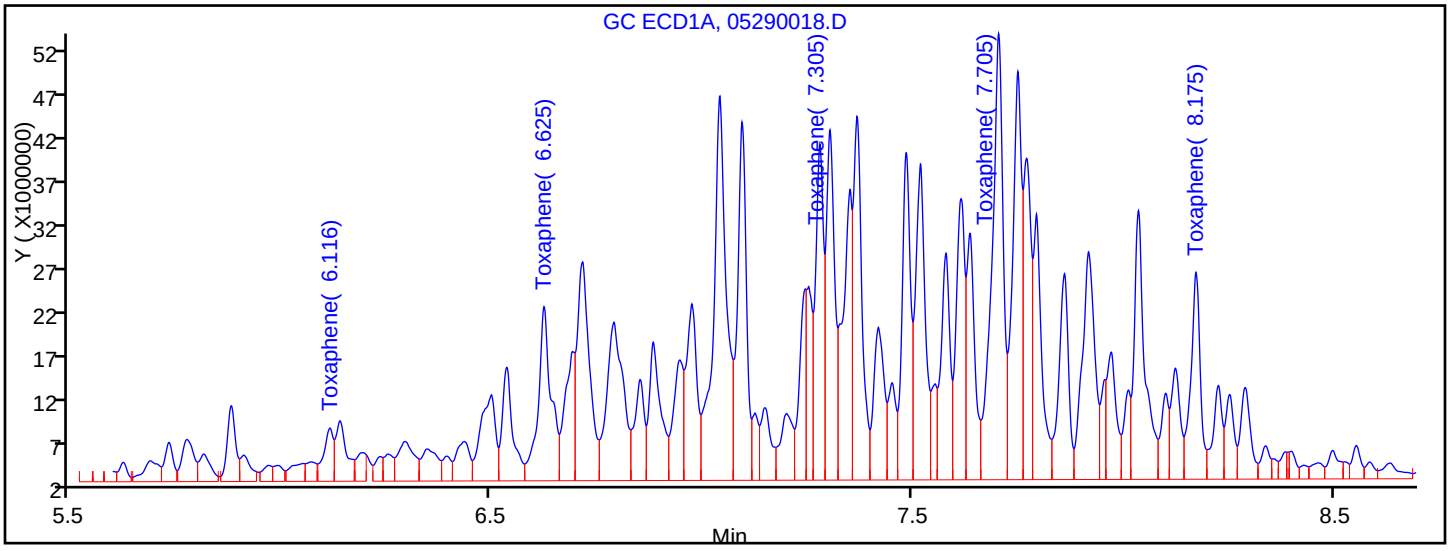
Injection Date:	29-May-2013 18:23:14	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	18
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.116	Response = 3943603	M
RT = 6.625	Response = 34892632	M
RT = 7.305	Response = 52483158	M
RT = 7.705	Response = 92164552	M
RT = 8.175	Response = 34971517	M



Manual Integration Results

RT = 6.116	Response = 9576368	M
RT = 6.625	Response = 42825195	M
RT = 7.305	Response = 54785954	M
RT = 7.705	Response = 96131714	M
RT = 8.175	Response = 37555738	M

Reviewer: wellsd, 30-May-2013 07:10:19

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/29 Calibration Date: 05/29/2013 21:24

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290029.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2		1383683		51.1	50.0	2.3	20.0
alpha-BHC	Lin2		1565565		56.1	50.0	12.2	20.0
gamma-BHC (Lindane)	Lin2		1364327		55.9	50.0	11.7	20.0
beta-BHC	Lin2		586053		57.1	50.0	14.2	20.0
delta-BHC	Lin2		1435933		57.0	50.0	14.0	20.0
Heptachlor	Lin2		1158216		53.5	50.0	7.0	20.0
Aldrin	Lin2		1303109		56.0	50.0	12.1	20.0
Isodrin	Lin2		1204447		56.0	50.0	11.9	20.0
Heptachlor epoxide	Lin2		1155682		56.0	50.0	11.9	20.0
gamma-Chlordane	Lin2		1206595		55.6	50.0	11.1	20.0
alpha-Chlordane	Lin2		1189335		55.2	50.0	10.3	20.0
4,4'-DDE	Lin2		1282943		53.0	50.0	6.0	20.0
Endosulfan I	Lin2		1116951		55.8	50.0	11.5	20.0
Dieldrin	Lin2		1190899		54.9	50.0	9.9	20.0
Endrin	Ave	863084	965251		55.9	50.0	11.8	20.0
4,4'-DDD	Lin2		965602		56.3	50.0	12.7	20.0
Endosulfan II	Lin2		1002580		54.6	50.0	9.2	20.0
4,4'-DDT	Lin2		795559		46.3	50.0	-7.4	20.0
Endrin aldehyde	Lin2		832288		51.8	50.0	3.6	20.0
Methoxychlor	Lin2		401031		47.4	50.0	-5.3	20.0
Mirex	Lin2		689465		52.1	50.0	4.2	20.0
Endosulfan sulfate	Lin2		882605		53.2	50.0	6.5	20.0
Endrin ketone	Lin2		974190		50.8	50.0	1.7	20.0
Tetrachloro-m-xylene	Lin2		1175004		49.8	50.0	-0.3	20.0
DCB Decachlorobiphenyl	Lin2		785332		51.2	50.0	2.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/29 Calibration Date: 05/29/2013 21:24

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290029.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	4.18	4.17	4.19
alpha-BHC	4.35	4.34	4.36
gamma-BHC (Lindane)	4.64	4.63	4.65
beta-BHC	4.72	4.71	4.73
delta-BHC	4.87	4.85	4.87
Heptachlor	5.04	5.03	5.05
Aldrin	5.30	5.28	5.30
Isodrin	5.60	5.59	5.61
Heptachlor epoxide	5.87	5.86	5.88
gamma-Chlordane	6.00	5.99	6.01
alpha-Chlordane	6.15	6.13	6.15
4,4'-DDE	6.23	6.22	6.24
Endosulfan I	6.29	6.27	6.29
Dieldrin	6.53	6.52	6.54
Endrin	6.76	6.75	6.77
4,4'-DDD	6.83	6.82	6.84
Endosulfan II	6.98	6.97	6.99
4,4'-DDT	7.10	7.09	7.11
Endrin aldehyde	7.39	7.37	7.39
Methoxychlor	7.57	7.55	7.57
Mirex	7.71	7.69	7.71
Endosulfan sulfate	7.80	7.78	7.80
Endrin ketone	8.05	8.04	8.06
Tetrachloro-m-xylene	3.77	3.76	3.78
DCB Decachlorobiphenyl	8.97	8.95	8.97

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290029.D
Lims ID: CCV AB Client ID:
Inject. Date: 29-May-2013 21:24:41 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 176329 Lims Sample ID: 29
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:54 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						220.2			
2						205.7			
						RPD = 6.80			
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.767	0.003	58750214	49.8			
2	2	3.845	3.845	0.000	65459241	49.1			
						RPD = 1.41			
8 Hexachlorobenzene									
1	100	4.180	4.178	0.002	69184127	51.1			
2	2	4.326	4.325	0.001	68588601	50.1			
						RPD = 2.09			
10 alpha-BHC									
1	-65	4.349	4.346	0.003	78278249	56.1			
2	2	4.470	4.470	0.000	91923683	51.1			
						RPD = 9.26			
11 gamma-BHC (Lindane)									
1	-65	4.640	4.637	0.003	68216329	55.9			
2	2	4.785	4.784	0.001	80183300	51.2			
						RPD = 8.75			
12 beta-BHC									
1	100	4.717	4.716	0.001	29302653	57.1			
2	2	4.859	4.857	0.002	34097500	51.6			
						RPD = 10.11			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.865	4.864	0.001	71796655	57.0			
2	2	5.095	5.093	0.002	82830818	51.8			
						RPD = 9.48			
15 Heptachlor									
1	100	5.040	5.038	0.002	57910798	53.5			
2	2	5.137	5.136	0.001	70899049	51.4			
						RPD = 3.94			
16 Aldrin									
1	-65	5.295	5.291	0.004	65155428	56.0			
2	2	5.415	5.413	0.002	75504305	51.8			
						RPD = 7.91			
18 Isodrin									
1	100	5.600	5.597	0.003	60222368	56.0			
2	2	5.788	5.787	0.001	70539333	51.7			
						RPD = 7.96			
22 Heptachlor epoxide									
1	-65	5.870	5.867	0.003	57784083	56.0			
2	2	5.973	5.971	0.002	68458441	51.8			
						RPD = 7.81			
23 gamma-Chlordane									
1	-65	6.001	5.999	0.002	60329731	55.6			
2	2	6.172	6.171	0.001	70692031	51.5			
						RPD = 7.53			
24 alpha-Chlordane									
1	-65	6.145	6.143	0.002	59466735	55.2			
2	2	6.326	6.325	0.001	67742996	51.0			
						RPD = 7.87			
25 4,4'-DDE									
1	-65	6.227	6.225	0.002	64147129	53.0			
2	2	6.503	6.502	0.001	68972566	49.6			
						RPD = 6.54			
26 Endosulfan I									
1	100	6.286	6.284	0.002	55847552	55.8			
2	2	6.385	6.384	0.001	62715391	51.9			
						RPD = 7.10			
28 Dieldrin									
1	100	6.531	6.528	0.003	59544938	54.9			
2	2	6.666	6.665	0.001	69037794	51.0			
						RPD = 7.37			
30 Endrin									
1	-65	6.764	6.761	0.003	48262535	55.9			
2	2	6.972	6.971	0.001	57989379	55.0			
						RPD = 1.65			
32 4,4'-DDD									
1	100	6.830	6.827	0.003	48280083	56.3			
2	2	7.083	7.083	0.000	57757105	53.2			
						RPD = 5.82			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.984	6.980	0.004	50129002	54.6			
2	2	7.180	7.178	0.002	58731501	51.8			
						RPD = 5.37			
35 4,4'-DDT									
1	-65	7.104	7.101	0.003	39777930	46.3			
2	2	7.385	7.384	0.001	44542527	46.7			
						RPD = 0.77			
36 Endrin aldehyde									
1	-65	7.386	7.384	0.002	41614401	51.8			
2	2	7.505	7.505	0.000	47971977	49.0			
						RPD = 5.51			
37 Methoxychlor									
1	-65	7.565	7.562	0.003	20051574	47.4			
2	2	8.031	8.031	0.000	22393414	49.4			
						RPD = 4.24			
38 Mirex									
1	100	7.705	7.702	0.003	34473243	52.1			
2	2	8.217	8.217	0.000	37192333	50.6			
						RPD = 2.81			
39 Endosulfan sulfate									
1	-65	7.795	7.792	0.003	44130260	53.2			
2	2	7.764	7.763	0.001	51886298	51.2			
						RPD = 3.83			
40 Endrin ketone									
1	-65	8.054	8.052	0.002	48709492	50.8			
2	2	8.256	8.256	0.000	56372665	50.4			
						RPD = 0.93			
$ 41 DCB Decachlorobiphenyl									
1	1	8.965	8.962	0.003	39266592	51.2			
2	2	9.417	9.417	0.000	35048614	48.9			
						RPD = 4.57			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

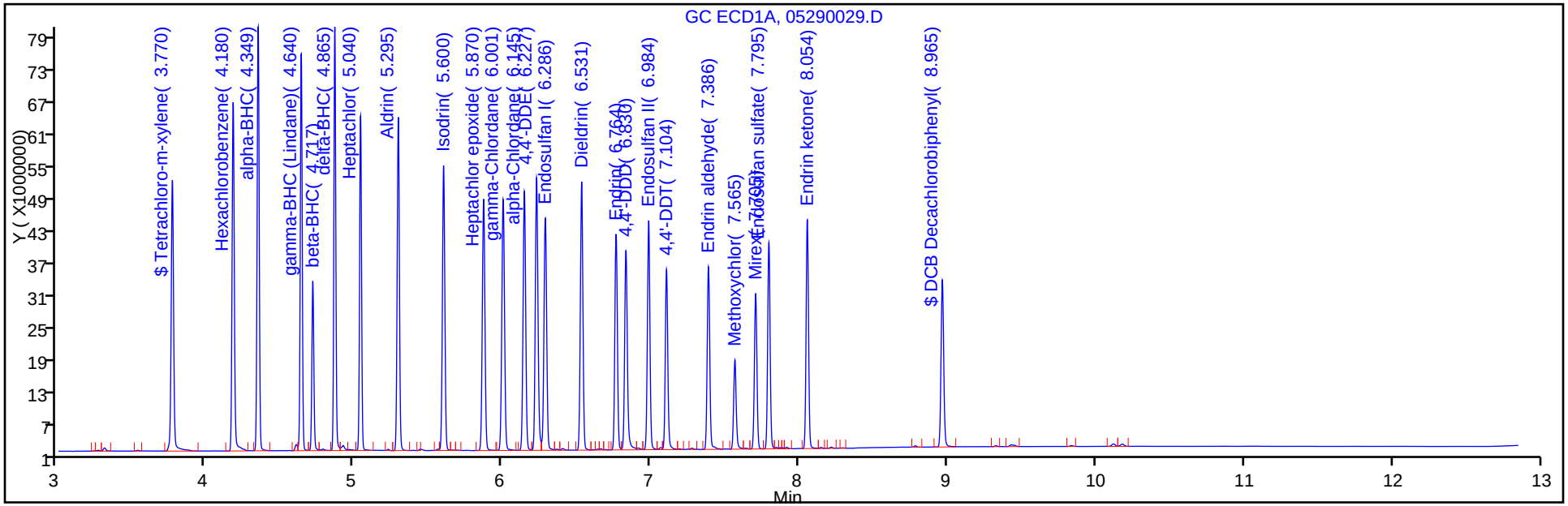
Report Date: 30-May-2013 07:32:54 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

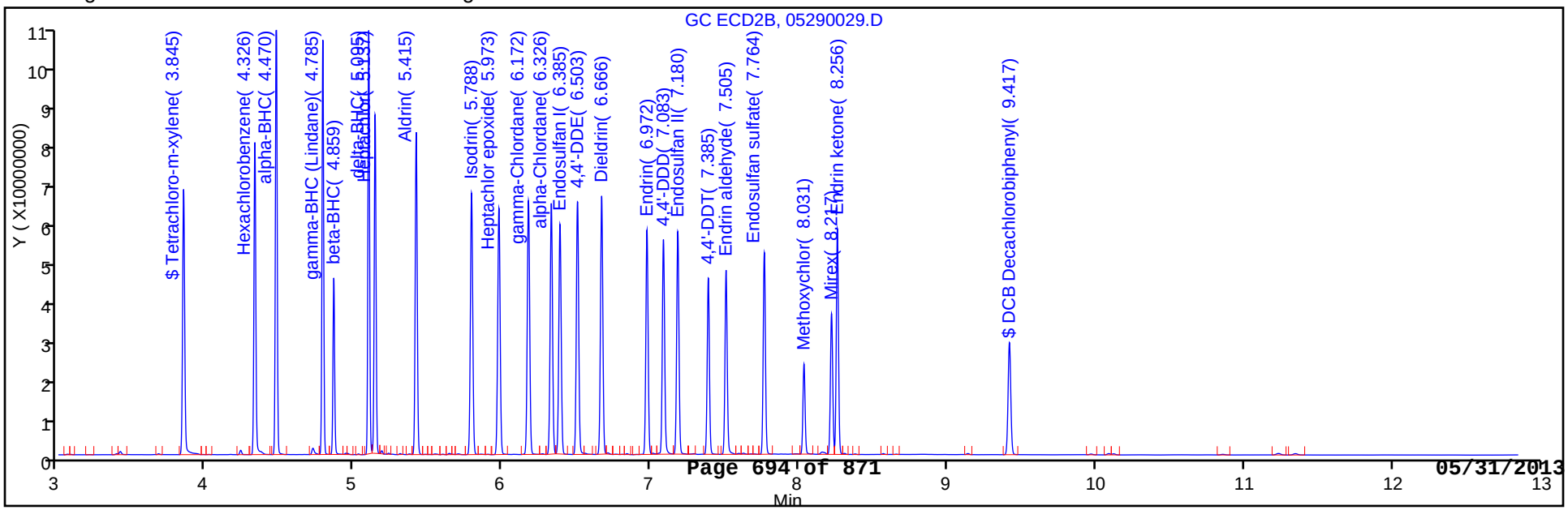
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290029.D

Injection Date:	29-May-2013 21:24:41	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	29
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/29 Calibration Date: 05/29/2013 21:24

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290029.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2		1371772		50.1	50.0	0.2	20.0
alpha-BHC	Lin2		1838474		51.1	50.0	2.3	20.0
gamma-BHC (Lindane)	Lin2		1603666		51.2	50.0	2.3	20.0
beta-BHC	Lin2		681950		51.6	50.0	3.2	20.0
delta-BHC	Lin2		1656616		51.8	50.0	3.7	20.0
Heptachlor	Lin2		1417981		51.4	50.0	2.8	20.0
Aldrin	Lin2		1510086		51.8	50.0	3.5	20.0
Isodrin	Lin2		1410787		51.7	50.0	3.3	20.0
Heptachlor epoxide	Lin2		1369169		51.8	50.0	3.5	20.0
gamma-Chlordane	Lin2		1413841		51.5	50.0	3.1	20.0
alpha-Chlordane	Lin2		1354860		51.0	50.0	2.0	20.0
Endosulfan I	Lin2		1254308		51.9	50.0	3.9	20.0
4,4'-DDE	Lin2		1379451		49.6	50.0	-0.7	20.0
Dieldrin	Lin2		1380756		51.0	50.0	2.1	20.0
Endrin	Lin2		1159788		55.0	50.0	10.0	20.0
4,4'-DDD	Lin2		1155142		53.2	50.0	6.3	20.0
Endosulfan II	Lin2		1174630		51.8	50.0	3.5	20.0
4,4'-DDT	Lin2		890851		46.7	50.0	-6.7	20.0
Endrin aldehyde	Lin2		959440		49.0	50.0	-1.9	20.0
Endosulfan sulfate	Lin2		1037726		51.2	50.0	2.5	20.0
Methoxychlor	Lin2		447868		49.4	50.0	-1.2	20.0
Mirex	Lin2		743847		50.6	50.0	1.3	20.0
Endrin ketone	Lin2		1127453		50.4	50.0	0.7	20.0
Tetrachloro-m-xylene	Lin2		1309185		49.1	50.0	-1.7	20.0
DCB Decachlorobiphenyl	Lin2		700972		48.9	50.0	-2.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/29 Calibration Date: 05/29/2013 21:24

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290029.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	4.33	4.32	4.34
alpha-BHC	4.47	4.46	4.48
gamma-BHC (Lindane)	4.79	4.77	4.79
beta-BHC	4.86	4.85	4.87
delta-BHC	5.10	5.08	5.10
Heptachlor	5.14	5.13	5.15
Aldrin	5.42	5.40	5.42
Isodrin	5.79	5.78	5.80
Heptachlor epoxide	5.97	5.96	5.98
gamma-Chlordane	6.17	6.16	6.18
alpha-Chlordane	6.33	6.32	6.34
Endosulfan I	6.39	6.37	6.39
4,4'-DDE	6.50	6.49	6.51
Dieldrin	6.67	6.66	6.68
Endrin	6.97	6.96	6.98
4,4'-DDD	7.08	7.07	7.09
Endosulfan II	7.18	7.17	7.19
4,4'-DDT	7.39	7.37	7.39
Endrin aldehyde	7.51	7.50	7.52
Endosulfan sulfate	7.76	7.75	7.77
Methoxychlor	8.03	8.02	8.04
Mirex	8.22	8.21	8.23
Endrin ketone	8.26	8.25	8.27
Tetrachloro-m-xylene	3.85	3.84	3.86
DCB Decachlorobiphenyl	9.42	9.41	9.43

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290029.D
Lims ID: CCV AB Client ID:
Inject. Date: 29-May-2013 21:24:41 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 176329 Lims Sample ID: 29
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:54 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						220.2			
2						205.7			
						RPD = 6.80			
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.767	0.003	58750214	49.8			
2	2	3.845	3.845	0.000	65459241	49.1			
						RPD = 1.41			
8 Hexachlorobenzene									
1	100	4.180	4.178	0.002	69184127	51.1			
2	2	4.326	4.325	0.001	68588601	50.1			
						RPD = 2.09			
10 alpha-BHC									
1	-65	4.349	4.346	0.003	78278249	56.1			
2	2	4.470	4.470	0.000	91923683	51.1			
						RPD = 9.26			
11 gamma-BHC (Lindane)									
1	-65	4.640	4.637	0.003	68216329	55.9			
2	2	4.785	4.784	0.001	80183300	51.2			
						RPD = 8.75			
12 beta-BHC									
1	100	4.717	4.716	0.001	29302653	57.1			
2	2	4.859	4.857	0.002	34097500	51.6			
						RPD = 10.11			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.865	4.864	0.001	71796655	57.0			
2	2	5.095	5.093	0.002	82830818	51.8			
						RPD = 9.48			
15 Heptachlor									
1	100	5.040	5.038	0.002	57910798	53.5			
2	2	5.137	5.136	0.001	70899049	51.4			
						RPD = 3.94			
16 Aldrin									
1	-65	5.295	5.291	0.004	65155428	56.0			
2	2	5.415	5.413	0.002	75504305	51.8			
						RPD = 7.91			
18 Isodrin									
1	100	5.600	5.597	0.003	60222368	56.0			
2	2	5.788	5.787	0.001	70539333	51.7			
						RPD = 7.96			
22 Heptachlor epoxide									
1	-65	5.870	5.867	0.003	57784083	56.0			
2	2	5.973	5.971	0.002	68458441	51.8			
						RPD = 7.81			
23 gamma-Chlordane									
1	-65	6.001	5.999	0.002	60329731	55.6			
2	2	6.172	6.171	0.001	70692031	51.5			
						RPD = 7.53			
24 alpha-Chlordane									
1	-65	6.145	6.143	0.002	59466735	55.2			
2	2	6.326	6.325	0.001	67742996	51.0			
						RPD = 7.87			
25 4,4'-DDE									
1	-65	6.227	6.225	0.002	64147129	53.0			
2	2	6.503	6.502	0.001	68972566	49.6			
						RPD = 6.54			
26 Endosulfan I									
1	100	6.286	6.284	0.002	55847552	55.8			
2	2	6.385	6.384	0.001	62715391	51.9			
						RPD = 7.10			
28 Dieldrin									
1	100	6.531	6.528	0.003	59544938	54.9			
2	2	6.666	6.665	0.001	69037794	51.0			
						RPD = 7.37			
30 Endrin									
1	-65	6.764	6.761	0.003	48262535	55.9			
2	2	6.972	6.971	0.001	57989379	55.0			
						RPD = 1.65			
32 4,4'-DDD									
1	100	6.830	6.827	0.003	48280083	56.3			
2	2	7.083	7.083	0.000	57757105	53.2			
						RPD = 5.82			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.984	6.980	0.004	50129002	54.6			
2	2	7.180	7.178	0.002	58731501	51.8			
						RPD = 5.37			
35 4,4'-DDT									
1	-65	7.104	7.101	0.003	39777930	46.3			
2	2	7.385	7.384	0.001	44542527	46.7			
						RPD = 0.77			
36 Endrin aldehyde									
1	-65	7.386	7.384	0.002	41614401	51.8			
2	2	7.505	7.505	0.000	47971977	49.0			
						RPD = 5.51			
37 Methoxychlor									
1	-65	7.565	7.562	0.003	20051574	47.4			
2	2	8.031	8.031	0.000	22393414	49.4			
						RPD = 4.24			
38 Mirex									
1	100	7.705	7.702	0.003	34473243	52.1			
2	2	8.217	8.217	0.000	37192333	50.6			
						RPD = 2.81			
39 Endosulfan sulfate									
1	-65	7.795	7.792	0.003	44130260	53.2			
2	2	7.764	7.763	0.001	51886298	51.2			
						RPD = 3.83			
40 Endrin ketone									
1	-65	8.054	8.052	0.002	48709492	50.8			
2	2	8.256	8.256	0.000	56372665	50.4			
						RPD = 0.93			
$ 41 DCB Decachlorobiphenyl									
1	1	8.965	8.962	0.003	39266592	51.2			
2	2	9.417	9.417	0.000	35048614	48.9			
						RPD = 4.57			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

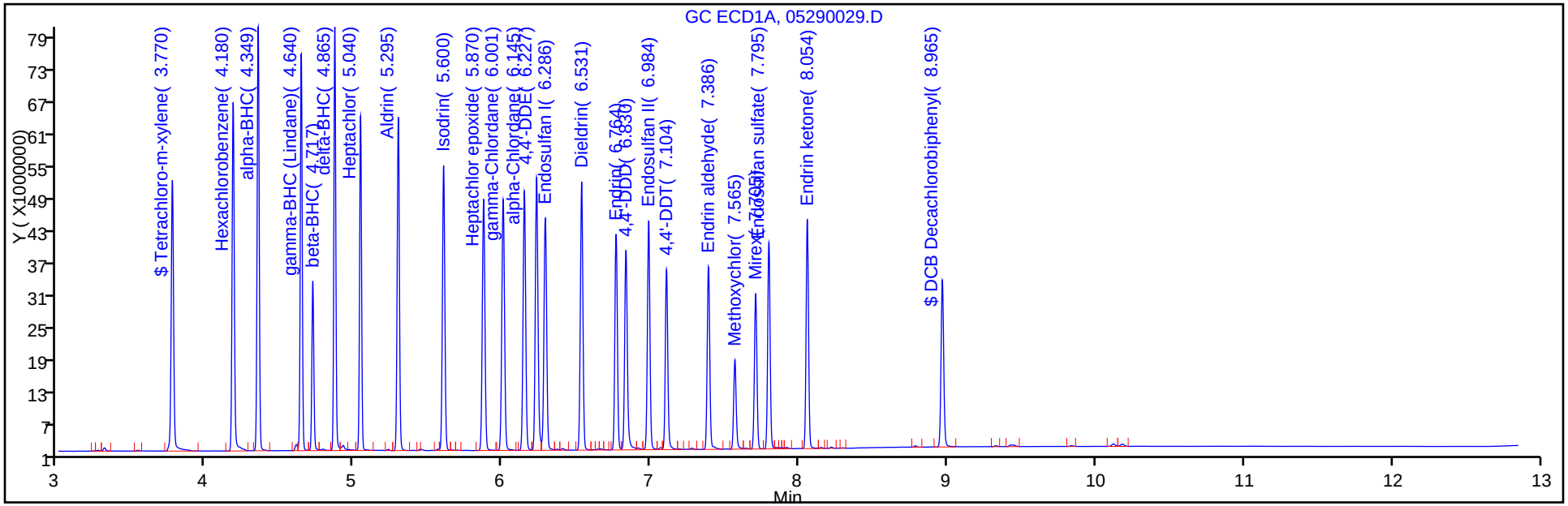
Report Date: 30-May-2013 07:32:55 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

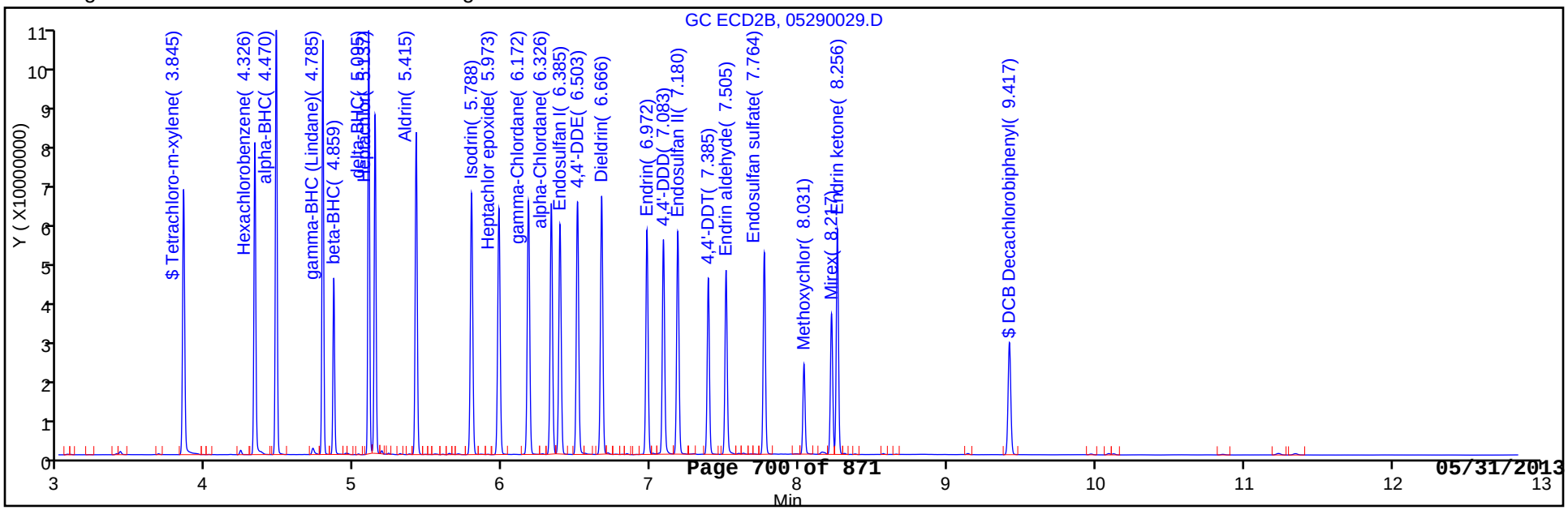
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Injection Date:	29-May-2013 21:24:41	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	29
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/30 Calibration Date: 05/29/2013 21:41

Instrument ID: SGC_P2 Calib Start Date: 05/09/2013 23:51

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/10/2013 01:13

Lab File ID: 05290030.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		5155		3320	2000	65.8*	20.0
Toxaphene Peak 2	Lin2		15738		1850	2000	-7.4	20.0
Toxaphene Peak 3	Lin2		27147		2170	2000	8.4	20.0
Toxaphene Peak 4	Lin2		45137		1920	2000	-4.2	20.0
Toxaphene Peak 5	Lin2		17185		1540	2000	-23.2*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/30 Calibration Date: 05/29/2013 21:41

Instrument ID: SGC_P2 Calib Start Date: 05/09/2013 23:51

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/10/2013 01:13

Lab File ID: 05290030.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.12	6.10	6.14
Toxaphene Peak 2	6.63	6.61	6.65
Toxaphene Peak 3	7.31	7.29	7.33
Toxaphene Peak 4	7.71	7.69	7.73
Toxaphene Peak 5	8.18	8.16	8.20

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290030.D
Lims ID: CCV TOX Client ID:
Inject. Date: 29-May-2013 21:41:09 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV TOX
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 176329 Lims Sample ID: 30
Sublist: chrom-8081 P2*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:55 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 30-May-2013 07:26:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.116	6.120	-0.004	10309928	3316.4		100.0	M
1	-65	6.625	6.630	-0.005	31475905	1851.1	515.9- 555.9	305.3	M
1	-65	7.305	7.310	-0.005	54294322	2167.8	731.1- 771.1	526.6	M
1	-65	7.706	7.709	-0.003	90273532	1916.2	1471.6-1511.6	875.6	M
1	-65	8.175	8.178	-0.003	34369228	1536.7	701.3- 741.3	333.4	M
			Average of Peak Amounts =			2157.6			
2	6	6.648	6.650	-0.002	42358012	2866.6		100.0	M
2	7	6.912	6.918	-0.006	62749796	1955.5	185.9- 245.9	148.1	M
2	8	7.259	7.267	-0.008	104379113	2268.9	281.4- 341.4	246.4	M
2	9	7.509	7.516	-0.007	130233674	2184.2	371.6- 431.6	307.5	M
2	10	8.343	8.350	-0.007	46549341	2026.1	123.9- 183.9	109.9	M
			Average of Peak Amounts =			2260.3			
						RPD = 4.65			

QC Flag Legend

Review Flags
M - Manually Integrated

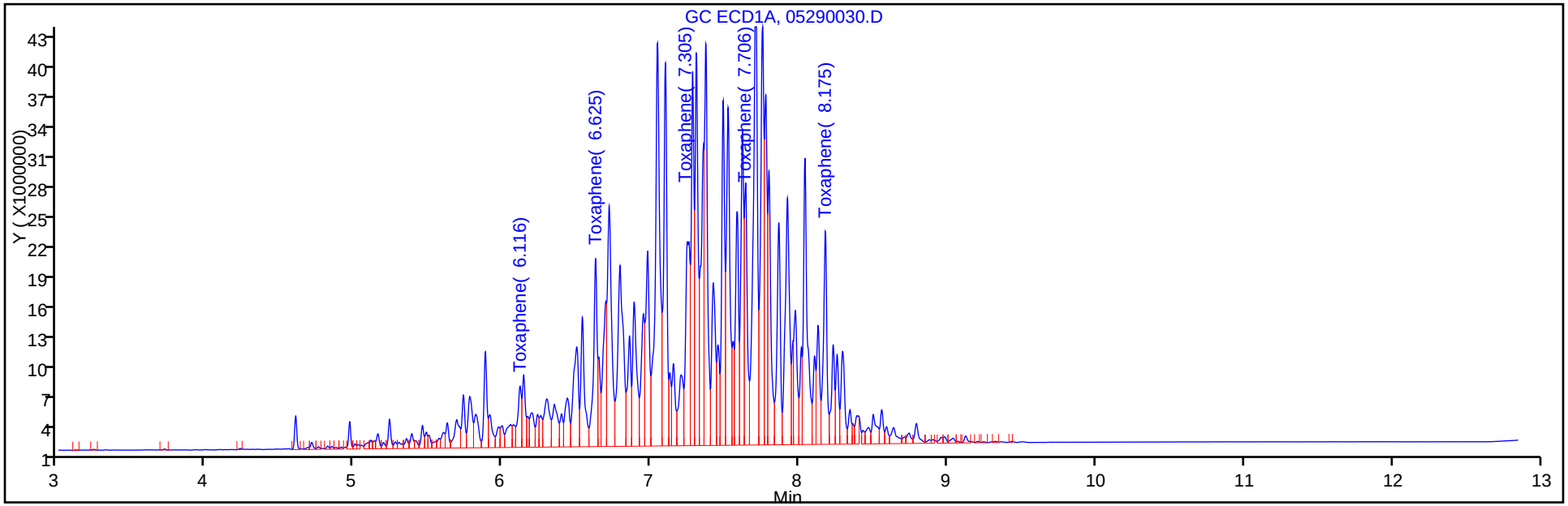
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TestAmerica Denver

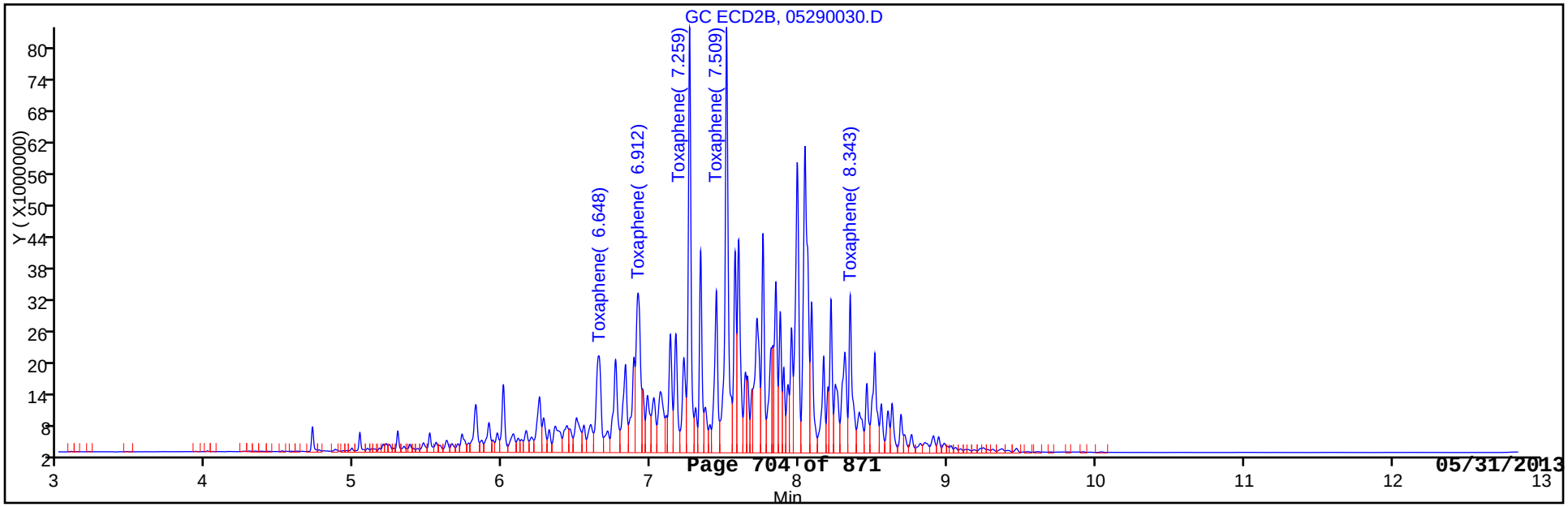
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Injection Date:	29-May-2013 21:41:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



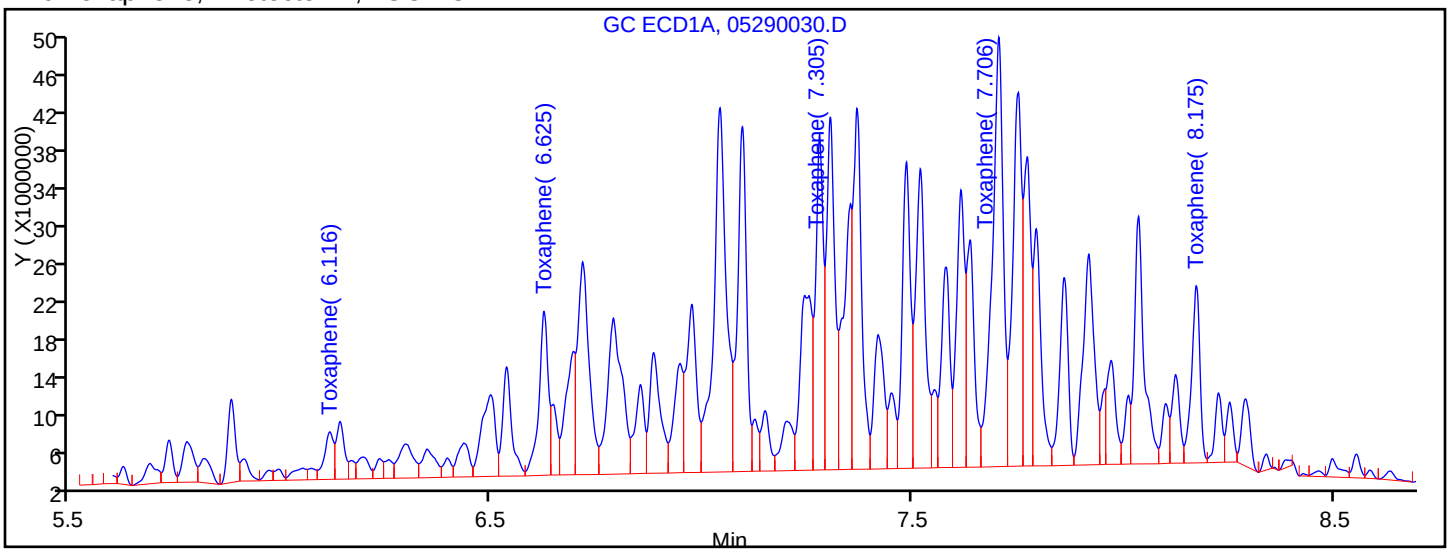
Report Date: 30-May-2013 07:32:56 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290030.D

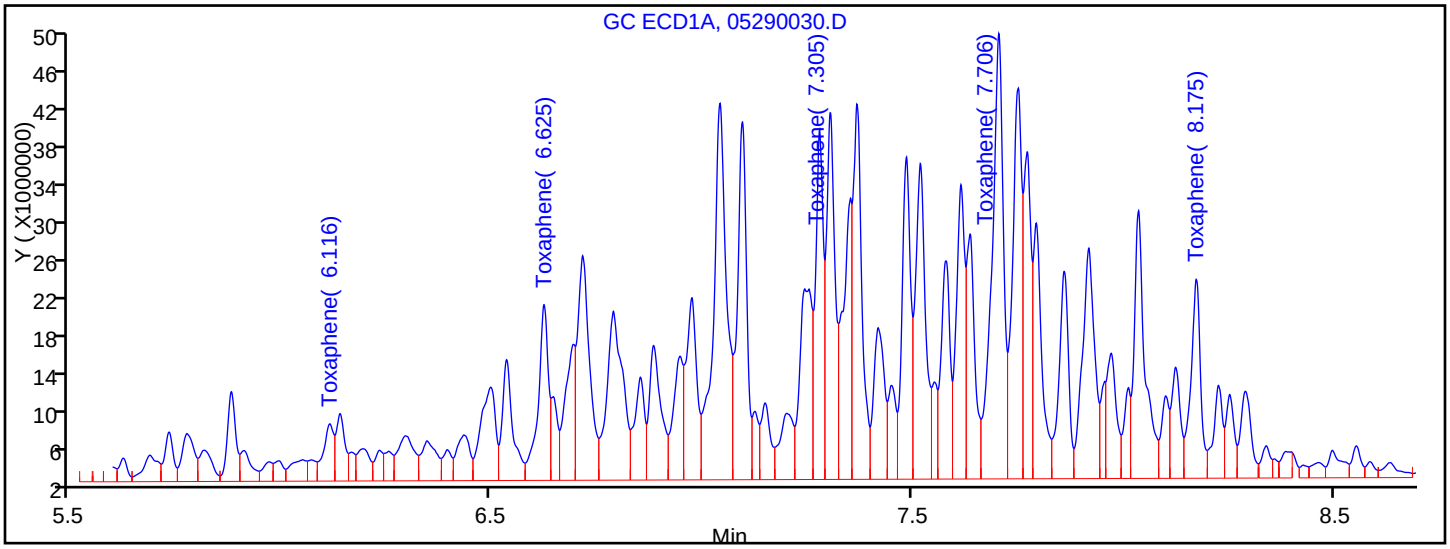
Injection Date:	29-May-2013 21:41:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.116	Response = 7606666	M
RT = 6.625	Response = 26295542	M
RT = 7.305	Response = 50553847	M
RT = 7.706	Response = 81996256	M
RT = 8.175	Response = 25955497	M



Manual Integration Results

RT = 6.116	Response = 10309928	M
RT = 6.625	Response = 31475905	M
RT = 7.305	Response = 54294322	M
RT = 7.706	Response = 90273532	M
RT = 8.175	Response = 34369228	M

Reviewer: wellsd, 30-May-2013 07:26:50

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/42 Calibration Date: 05/30/2013 00:58

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290042.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2		1408089		52.0	50.0	4.1	20.0
alpha-BHC	Lin2		1714708		61.5	50.0	22.9*	20.0
gamma-BHC (Lindane)	Lin2		1491589		61.1	50.0	22.3*	20.0
beta-BHC	Lin2		635021		62.0	50.0	24.0*	20.0
delta-BHC	Lin2		1542536		61.3	50.0	22.5*	20.0
Heptachlor	Lin2		1145601		52.9	50.0	5.8	20.0
Aldrin	Lin2		1374164		59.1	50.0	18.2	20.0
Isodrin	Lin2		1269673		59.0	50.0	18.1	20.0
Heptachlor epoxide	Lin2		1220693		59.2	50.0	18.3	20.0
gamma-Chlordane	Lin2		1278543		58.9	50.0	17.8	20.0
alpha-Chlordane	Lin2		1233509		57.2	50.0	14.5	20.0
4,4'-DDE	Lin2		1282747		53.0	50.0	5.9	20.0
Endosulfan I	Lin2		1161761		58.0	50.0	16.1	20.0
Dieldrin	Lin2		1244828		57.5	50.0	14.9	20.0
Endrin	Ave	863084	986560		57.2	50.0	14.3	20.0
4,4'-DDD	Lin2		1175347		68.8	50.0	37.5*	20.0
Endosulfan II	Lin2		1044898		57.0	50.0	13.9	20.0
4,4'-DDT	Lin2		464915		26.9	50.0	-46.2*	20.0
Endrin aldehyde	Lin2		846591		52.7	50.0	5.4	20.0
Methoxychlor	Lin2		265742		31.1	50.0	-37.8*	20.0
Mirex	Lin2		702239		53.1	50.0	6.1	20.0
Endosulfan sulfate	Lin2		914550		55.2	50.0	10.4	20.0
Endrin ketone	Lin2		971640		50.7	50.0	1.4	20.0
Tetrachloro-m-xylene	Lin2		1190645		50.5	50.0	1.0	20.0
DCB Decachlorobiphenyl	Lin2		754322		49.2	50.0	-1.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/42 Calibration Date: 05/30/2013 00:58

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290042.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	4.18	4.17	4.19
alpha-BHC	4.35	4.34	4.36
gamma-BHC (Lindane)	4.64	4.63	4.65
beta-BHC	4.72	4.71	4.73
delta-BHC	4.87	4.85	4.87
Heptachlor	5.04	5.03	5.05
Aldrin	5.29	5.28	5.30
Isodrin	5.60	5.59	5.61
Heptachlor epoxide	5.87	5.86	5.88
gamma-Chlordane	6.00	5.99	6.01
alpha-Chlordane	6.15	6.13	6.15
4,4'-DDE	6.23	6.22	6.24
Endosulfan I	6.29	6.27	6.29
Dieldrin	6.53	6.52	6.54
Endrin	6.76	6.75	6.77
4,4'-DDD	6.83	6.82	6.84
Endosulfan II	6.98	6.97	6.99
4,4'-DDT	7.10	7.09	7.11
Endrin aldehyde	7.39	7.37	7.39
Methoxychlor	7.56	7.55	7.57
Mirex	7.71	7.69	7.71
Endosulfan sulfate	7.79	7.78	7.80
Endrin ketone	8.05	8.04	8.06
Tetrachloro-m-xylene	3.77	3.76	3.78
DCB Decachlorobiphenyl	8.96	8.95	8.97

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290042.D
Lims ID: CCV AB Client ID:
Inject. Date: 30-May-2013 00:58:45 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 36
Lims Batch ID: 176329 Lims Sample ID: 42
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:33:14 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						228.2			
2						205.4			
						RPD = 10.53			
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.767	0.003	59532273	50.5			
2	2	3.846	3.845	0.001	66954698	50.3			
						RPD = 0.46			
8 Hexachlorobenzene									
1	100	4.180	4.178	0.002	70404448	52.0			
2	2	4.326	4.325	0.001	69438768	50.7			
						RPD = 2.61			
10 alpha-BHC									
1	-65	4.349	4.346	0.003	85735375	61.5			
2	2	4.470	4.470	0.000	96482529	53.7			
						RPD = 13.54			
11 gamma-BHC (Lindane)									
1	-65	4.640	4.637	0.003	74579466	61.1			
2	2	4.785	4.784	0.001	83666942	53.4			
						RPD = 13.47			
12 beta-BHC									
1	100	4.717	4.716	0.001	31751060	62.0			
2	2	4.859	4.857	0.002	35151300	53.2			
						RPD = 15.20			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.865	4.864	0.001	77126819	61.3			
2	2	5.094	5.093	0.001	86021918	53.8			
						RPD = 12.88			
15 Heptachlor									
1	100	5.039	5.038	0.001	57280059	52.9			
2	2	5.137	5.136	0.001	67995636	49.3			
						RPD = 7.07			
16 Aldrin									
1	-65	5.293	5.291	0.002	68708222	59.1			
2	2	5.414	5.413	0.001	76189985	52.2			
						RPD = 12.35			
18 Isodrin									
1	100	5.599	5.597	0.002	63483652	59.0			
2	2	5.788	5.787	0.001	71413495	52.3			
						RPD = 12.05			
22 Heptachlor epoxide									
1	-65	5.869	5.867	0.002	61034665	59.2			
2	2	5.972	5.971	0.001	69499879	52.6			
						RPD = 11.83			
23 gamma-Chlordane									
1	-65	6.000	5.999	0.001	63927146	58.9			
2	2	6.172	6.171	0.001	71516585	52.1			
						RPD = 12.21			
24 alpha-Chlordane									
1	-65	6.145	6.143	0.002	61675458	57.2			
2	2	6.326	6.325	0.001	68302454	51.4			
						RPD = 10.73			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	64137363	53.0			
2	2	6.503	6.502	0.001	69149891	49.8			
						RPD = 6.26			
26 Endosulfan I									
1	100	6.285	6.284	0.001	58088055	58.0			
2	2	6.385	6.384	0.001	63236610	52.4			
						RPD = 10.25			
28 Dieldrin									
1	100	6.530	6.528	0.002	62241384	57.5			
2	2	6.666	6.665	0.001	69603766	51.5			
						RPD = 11.02			
30 Endrin									
1	-65	6.762	6.761	0.001	49327996	57.2			
2	2	6.971	6.971	0.000	57599191	54.6			
						RPD = 4.51			
32 4,4'-DDD									
1	100	6.828	6.827	0.001	58767370	68.8			
2	2	7.082	7.083	-0.001	68206957	62.9			
						RPD = 8.95			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.982	6.980	0.002	52244882	57.0			
2	2	7.180	7.178	0.002	59912826	52.8			
						RPD = 7.55			
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	23245768	26.9			
2	2	7.385	7.384	0.001	25222084	26.3			
						RPD = 2.22			
36 Endrin aldehyde									
1	-65	7.385	7.384	0.001	42329554	52.7			
2	2	7.505	7.505	0.000	47616323	48.7			
						RPD = 8.01			
37 Methoxychlor									
1	-65	7.563	7.562	0.001	13287112	31.1			
2	2	8.030	8.031	-0.001	14892236	32.6			
						RPD = 4.72			
38 Mirex									
1	100	7.705	7.702	0.003	35111939	53.1			
2	2	8.216	8.217	-0.001	36016652	49.0			
						RPD = 7.98			
39 Endosulfan sulfate									
1	-65	7.793	7.792	0.001	45727475	55.2			
2	2	7.764	7.763	0.001	51259767	50.6			
						RPD = 8.67			
40 Endrin ketone									
1	-65	8.053	8.052	0.001	48582000	50.7			
2	2	8.256	8.256	0.000	53988001	48.2			
						RPD = 5.05			
$ 41 DCB Decachlorobiphenyl									
1	1	8.963	8.962	0.001	37716083	49.2			
2	2	9.416	9.417	-0.001	34069099	47.5			
						RPD = 3.36			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

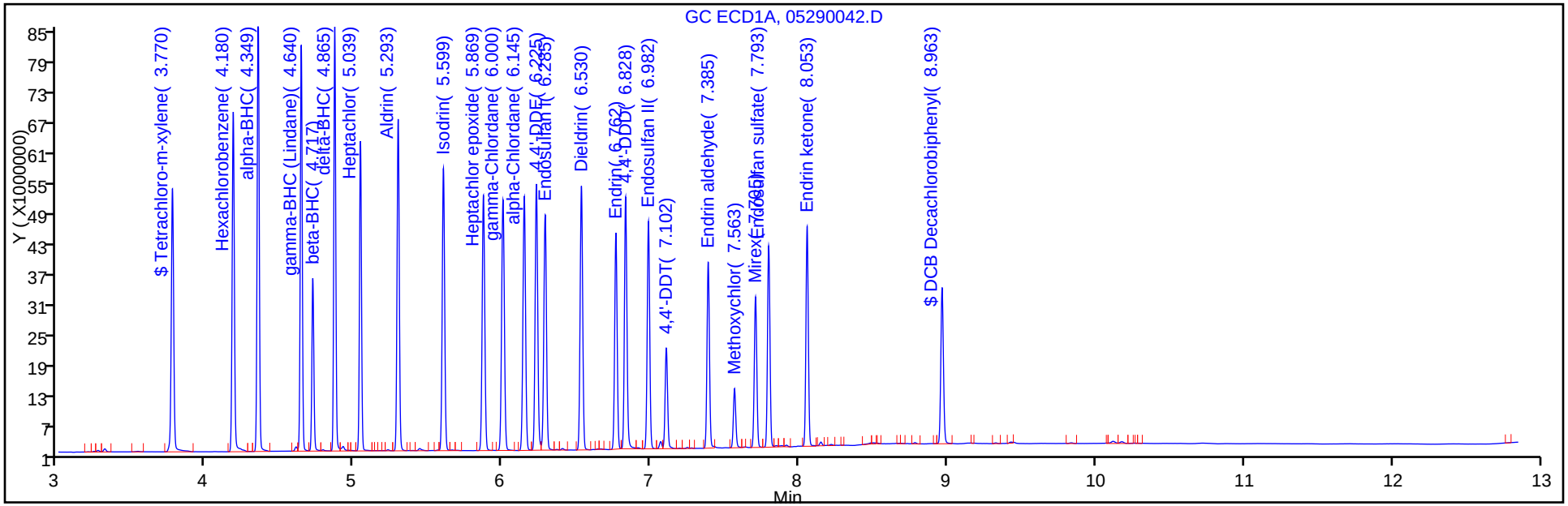
Report Date: 30-May-2013 07:33:14 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

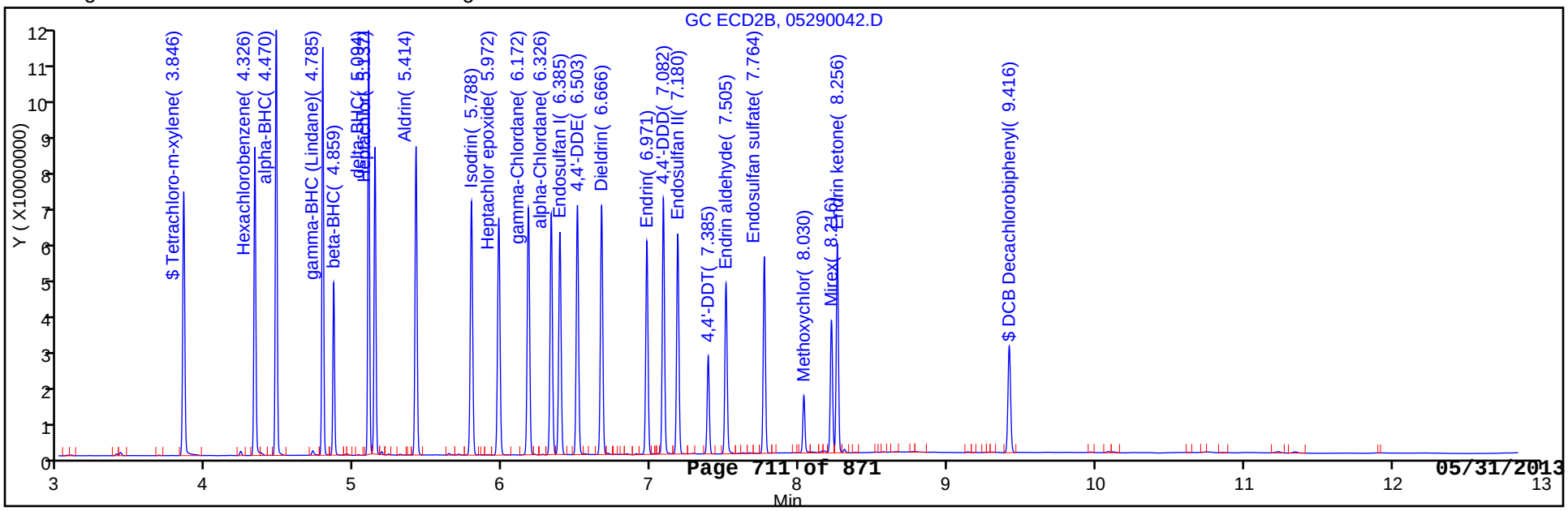
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Injection Date:	30-May-2013 00:58:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	42
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/42 Calibration Date: 05/30/2013 00:58

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290042.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2		1388775		50.7	50.0	1.4	20.0
alpha-BHC	Lin2		1929651		53.7	50.0	7.4	20.0
gamma-BHC (Lindane)	Lin2		1673339		53.4	50.0	6.8	20.0
beta-BHC	Lin2		703026		53.2	50.0	6.5	20.0
delta-BHC	Lin2		1720438		53.8	50.0	7.7	20.0
Heptachlor	Lin2		1359913		49.3	50.0	-1.4	20.0
Aldrin	Lin2		1523800		52.2	50.0	4.5	20.0
Isodrin	Lin2		1428270		52.3	50.0	4.6	20.0
Heptachlor epoxide	Lin2		1389998		52.6	50.0	5.1	20.0
gamma-Chlordane	Lin2		1430332		52.1	50.0	4.3	20.0
alpha-Chlordane	Lin2		1366049		51.4	50.0	2.8	20.0
Endosulfan I	Lin2		1264732		52.4	50.0	4.7	20.0
4,4'-DDE	Lin2		1382998		49.8	50.0	-0.5	20.0
Dieldrin	Lin2		1392075		51.5	50.0	2.9	20.0
Endrin	Lin2		1151984		54.6	50.0	9.3	20.0
4,4'-DDD	Lin2		1364139		62.9	50.0	25.7*	20.0
Endosulfan II	Lin2		1198257		52.8	50.0	5.6	20.0
4,4'-DDT	Lin2		504442		26.3	50.0	-47.4*	20.0
Endrin aldehyde	Lin2		952326		48.7	50.0	-2.7	20.0
Endosulfan sulfate	Lin2		1025195		50.6	50.0	1.2	20.0
Methoxychlor	Lin2		297845		32.6	50.0	-34.8*	20.0
Mirex	Lin2		720333		49.0	50.0	-2.0	20.0
Endrin ketone	Lin2		1079760		48.2	50.0	-3.6	20.0
Tetrachloro-m-xylene	Lin2		1339094		50.3	50.0	0.5	20.0
DCB Decachlorobiphenyl	Lin2		681382		47.5	50.0	-4.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/42 Calibration Date: 05/30/2013 00:58

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05290042.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	4.33	4.32	4.34
alpha-BHC	4.47	4.46	4.48
gamma-BHC (Lindane)	4.79	4.77	4.79
beta-BHC	4.86	4.85	4.87
delta-BHC	5.09	5.08	5.10
Heptachlor	5.14	5.13	5.15
Aldrin	5.41	5.40	5.42
Isodrin	5.79	5.78	5.80
Heptachlor epoxide	5.97	5.96	5.98
gamma-Chlordane	6.17	6.16	6.18
alpha-Chlordane	6.33	6.32	6.34
Endosulfan I	6.39	6.37	6.39
4,4'-DDE	6.50	6.49	6.51
Dieldrin	6.67	6.66	6.68
Endrin	6.97	6.96	6.98
4,4'-DDD	7.08	7.07	7.09
Endosulfan II	7.18	7.17	7.19
4,4'-DDT	7.39	7.37	7.39
Endrin aldehyde	7.51	7.50	7.52
Endosulfan sulfate	7.76	7.75	7.77
Methoxychlor	8.03	8.02	8.04
Mirex	8.22	8.21	8.23
Endrin ketone	8.26	8.25	8.27
Tetrachloro-m-xylene	3.85	3.84	3.86
DCB Decachlorobiphenyl	9.42	9.41	9.43

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290042.D
Lims ID: CCV AB Client ID:
Inject. Date: 30-May-2013 00:58:45 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 36
Lims Batch ID: 176329 Lims Sample ID: 42
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:33:14 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						228.2			
2						205.4			
						RPD = 10.53			
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.767	0.003	59532273	50.5			
2	2	3.846	3.845	0.001	66954698	50.3			
						RPD = 0.46			
8 Hexachlorobenzene									
1	100	4.180	4.178	0.002	70404448	52.0			
2	2	4.326	4.325	0.001	69438768	50.7			
						RPD = 2.61			
10 alpha-BHC									
1	-65	4.349	4.346	0.003	85735375	61.5			
2	2	4.470	4.470	0.000	96482529	53.7			
						RPD = 13.54			
11 gamma-BHC (Lindane)									
1	-65	4.640	4.637	0.003	74579466	61.1			
2	2	4.785	4.784	0.001	83666942	53.4			
						RPD = 13.47			
12 beta-BHC									
1	100	4.717	4.716	0.001	31751060	62.0			
2	2	4.859	4.857	0.002	35151300	53.2			
						RPD = 15.20			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.865	4.864	0.001	77126819	61.3			
2	2	5.094	5.093	0.001	86021918	53.8			
						RPD = 12.88			
15 Heptachlor									
1	100	5.039	5.038	0.001	57280059	52.9			
2	2	5.137	5.136	0.001	67995636	49.3			
						RPD = 7.07			
16 Aldrin									
1	-65	5.293	5.291	0.002	68708222	59.1			
2	2	5.414	5.413	0.001	76189985	52.2			
						RPD = 12.35			
18 Isodrin									
1	100	5.599	5.597	0.002	63483652	59.0			
2	2	5.788	5.787	0.001	71413495	52.3			
						RPD = 12.05			
22 Heptachlor epoxide									
1	-65	5.869	5.867	0.002	61034665	59.2			
2	2	5.972	5.971	0.001	69499879	52.6			
						RPD = 11.83			
23 gamma-Chlordane									
1	-65	6.000	5.999	0.001	63927146	58.9			
2	2	6.172	6.171	0.001	71516585	52.1			
						RPD = 12.21			
24 alpha-Chlordane									
1	-65	6.145	6.143	0.002	61675458	57.2			
2	2	6.326	6.325	0.001	68302454	51.4			
						RPD = 10.73			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	64137363	53.0			
2	2	6.503	6.502	0.001	69149891	49.8			
						RPD = 6.26			
26 Endosulfan I									
1	100	6.285	6.284	0.001	58088055	58.0			
2	2	6.385	6.384	0.001	63236610	52.4			
						RPD = 10.25			
28 Dieldrin									
1	100	6.530	6.528	0.002	62241384	57.5			
2	2	6.666	6.665	0.001	69603766	51.5			
						RPD = 11.02			
30 Endrin									
1	-65	6.762	6.761	0.001	49327996	57.2			
2	2	6.971	6.971	0.000	57599191	54.6			
						RPD = 4.51			
32 4,4'-DDD									
1	100	6.828	6.827	0.001	58767370	68.8			
2	2	7.082	7.083	-0.001	68206957	62.9			
						RPD = 8.95			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.982	6.980	0.002	52244882	57.0			
2	2	7.180	7.178	0.002	59912826	52.8			
						RPD = 7.55			
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	23245768	26.9			
2	2	7.385	7.384	0.001	25222084	26.3			
						RPD = 2.22			
36 Endrin aldehyde									
1	-65	7.385	7.384	0.001	42329554	52.7			
2	2	7.505	7.505	0.000	47616323	48.7			
						RPD = 8.01			
37 Methoxychlor									
1	-65	7.563	7.562	0.001	13287112	31.1			
2	2	8.030	8.031	-0.001	14892236	32.6			
						RPD = 4.72			
38 Mirex									
1	100	7.705	7.702	0.003	35111939	53.1			
2	2	8.216	8.217	-0.001	36016652	49.0			
						RPD = 7.98			
39 Endosulfan sulfate									
1	-65	7.793	7.792	0.001	45727475	55.2			
2	2	7.764	7.763	0.001	51259767	50.6			
						RPD = 8.67			
40 Endrin ketone									
1	-65	8.053	8.052	0.001	48582000	50.7			
2	2	8.256	8.256	0.000	53988001	48.2			
						RPD = 5.05			
$ 41 DCB Decachlorobiphenyl									
1	1	8.963	8.962	0.001	37716083	49.2			
2	2	9.416	9.417	-0.001	34069099	47.5			
						RPD = 3.36			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

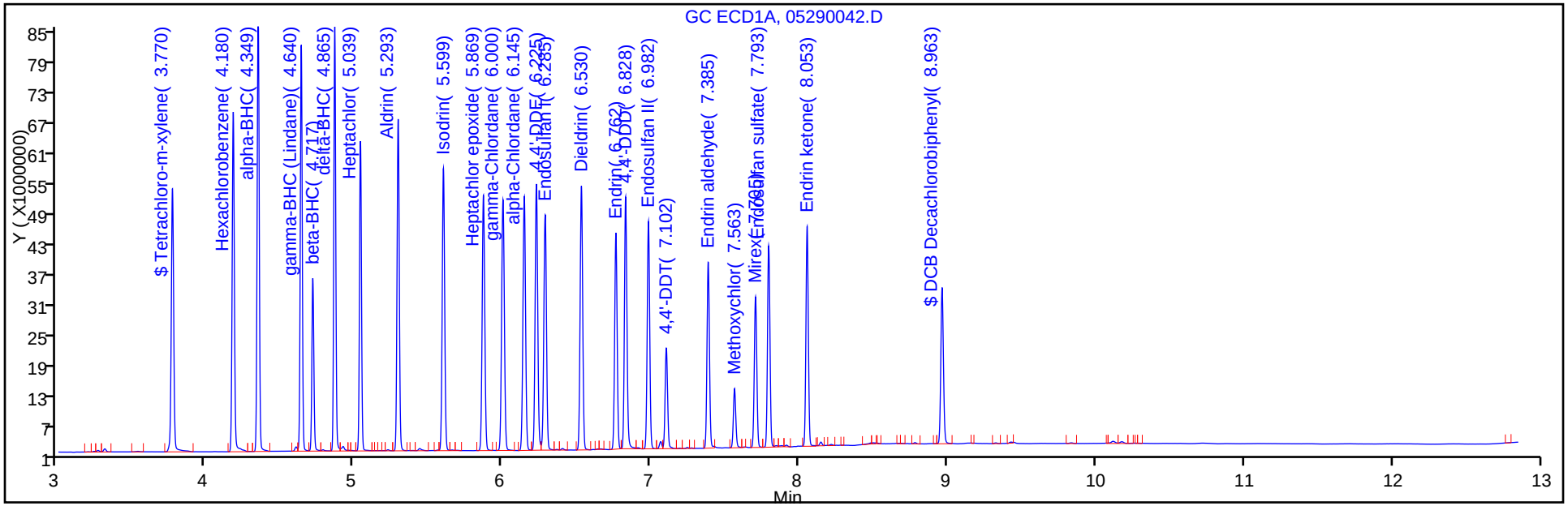
Report Date: 30-May-2013 07:33:14 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

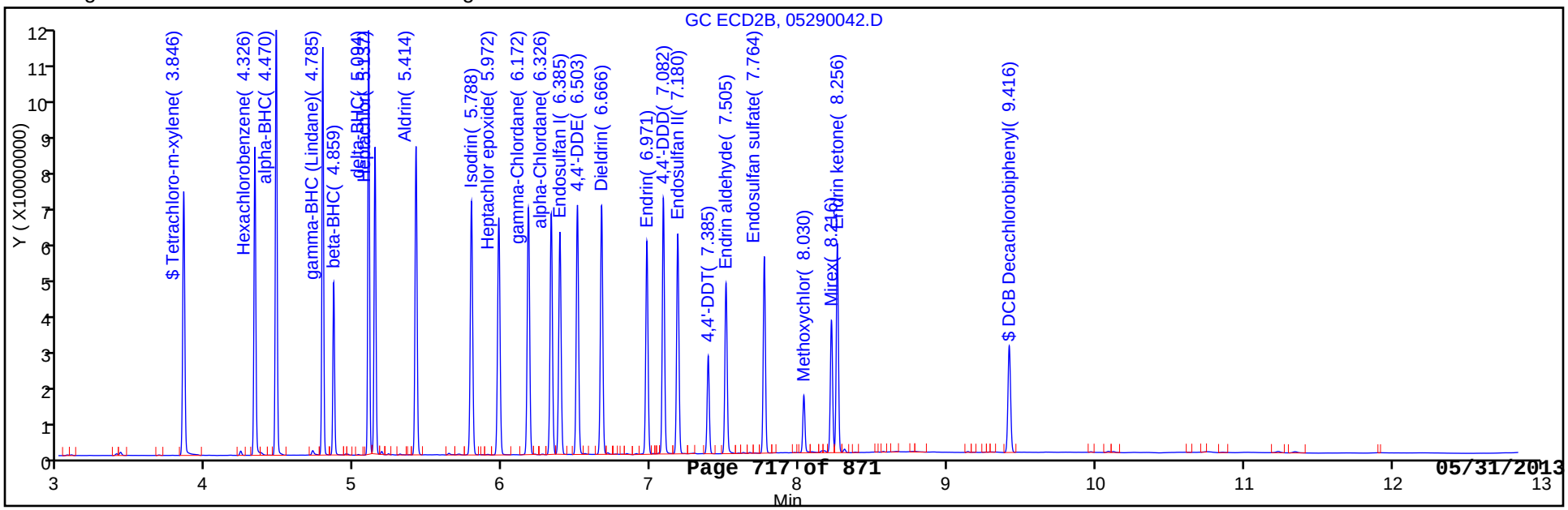
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Injection Date:	30-May-2013 00:58:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	42
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/43 Calibration Date: 05/30/2013 01:15

Instrument ID: SGC_P2 Calib Start Date: 05/09/2013 23:51

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/10/2013 01:13

Lab File ID: 05290043.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		11574		7420	2000	271.0*	20.0
Toxaphene Peak 2	Lin2		17480		2060	2000	2.8	20.0
Toxaphene Peak 3	Lin2		25306		2020	2000	1.0	20.0
Toxaphene Peak 4	Lin2		30316		1290	2000	-35.7*	20.0
Toxaphene Peak 5	Lin2		5440		510	2000	-74.5*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176329/43 Calibration Date: 05/30/2013 01:15

Instrument ID: SGC_P2 Calib Start Date: 05/09/2013 23:51

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/10/2013 01:13

Lab File ID: 05290043.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.12	6.10	6.14
Toxaphene Peak 2	6.63	6.61	6.65
Toxaphene Peak 3	7.31	7.29	7.33
Toxaphene Peak 4	7.71	7.69	7.73
Toxaphene Peak 5	8.18	8.16	8.20

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290043.D		
Lims ID:	CCV TOX	Client ID:	
Inject. Date:	30-May-2013 01:15:11	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	37
Lims Batch ID:	176329	Lims Sample ID:	43
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:33:15	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:32:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.116	6.120	-0.004	23148118	7419.4		100.0	M
1	-65	6.625	6.630	-0.005	34959159	2056.2	515.9- 555.9	151.0	M
1	-65	7.305	7.310	-0.005	50611083	2019.4	731.1- 771.1	218.6	M
1	-65	7.706	7.709	-0.003	60632324	1285.7	1471.6-1511.6	261.9	M
1	-65	8.175	8.178	-0.003	10879176	509.6	701.3- 741.3	47.0	M
			Average of Peak Amounts =			2658.1			
2	6	6.652	6.650	0.002	60790347	4114.9		100.0	M
2	7	6.910	6.918	-0.008	54826759	1710.4	185.9- 245.9	90.2	M
2	8	7.260	7.267	-0.007	95595092	2078.9	281.4- 341.4	157.3	M
2	9	7.509	7.516	-0.007	98027456	1652.7	371.6- 431.6	161.3	M
2	10	8.343	8.350	-0.007	26630483	1184.7	123.9- 183.9	43.8	M
			Average of Peak Amounts =			2148.3			
						RPD = 21.21			

QC Flag Legend

Review Flags
M - Manually Integrated

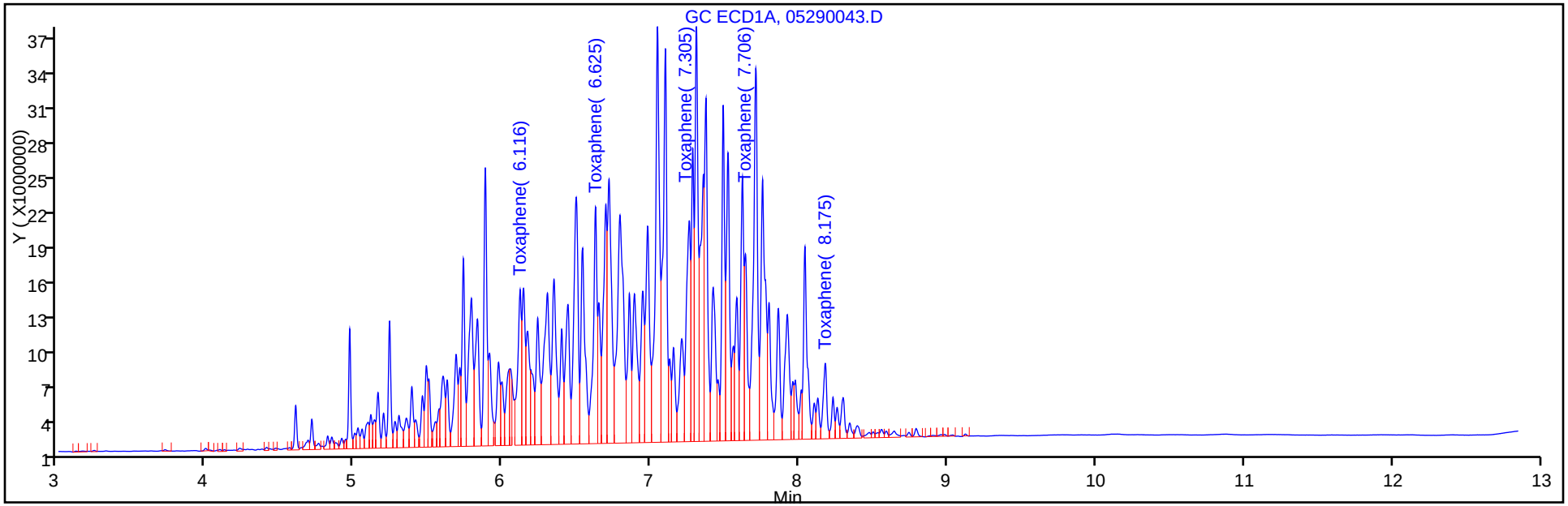
Report Date: 30-May-2013 07:33:15 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

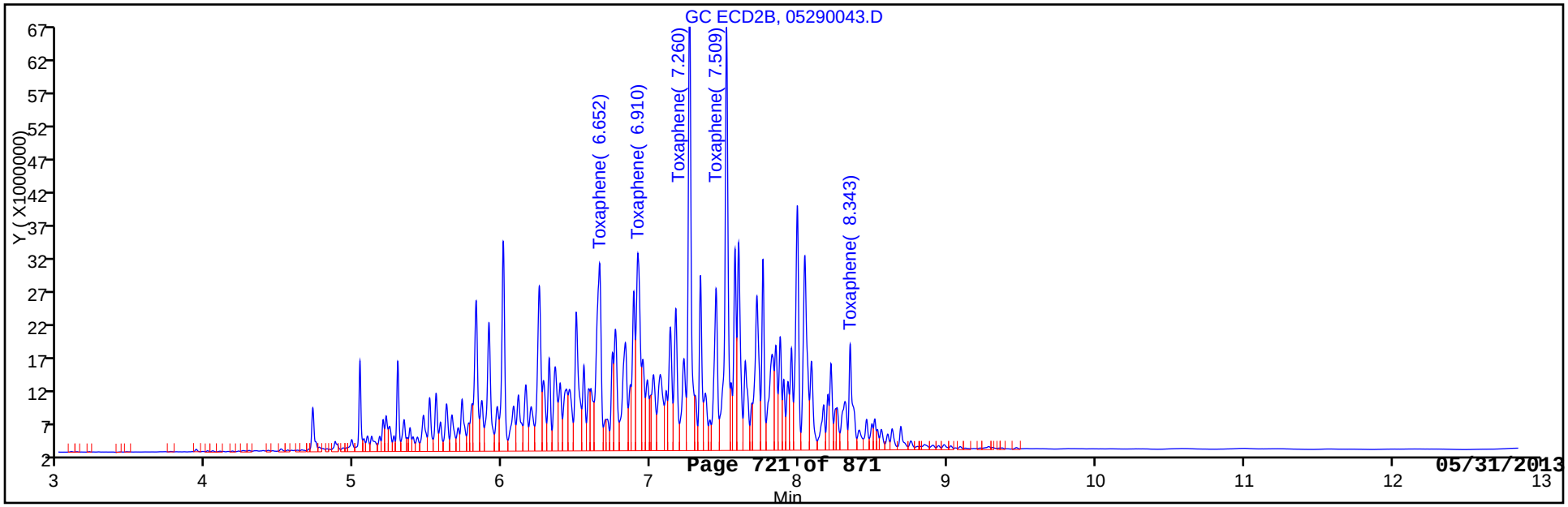
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Injection Date:	30-May-2013 01:15:11	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	43
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



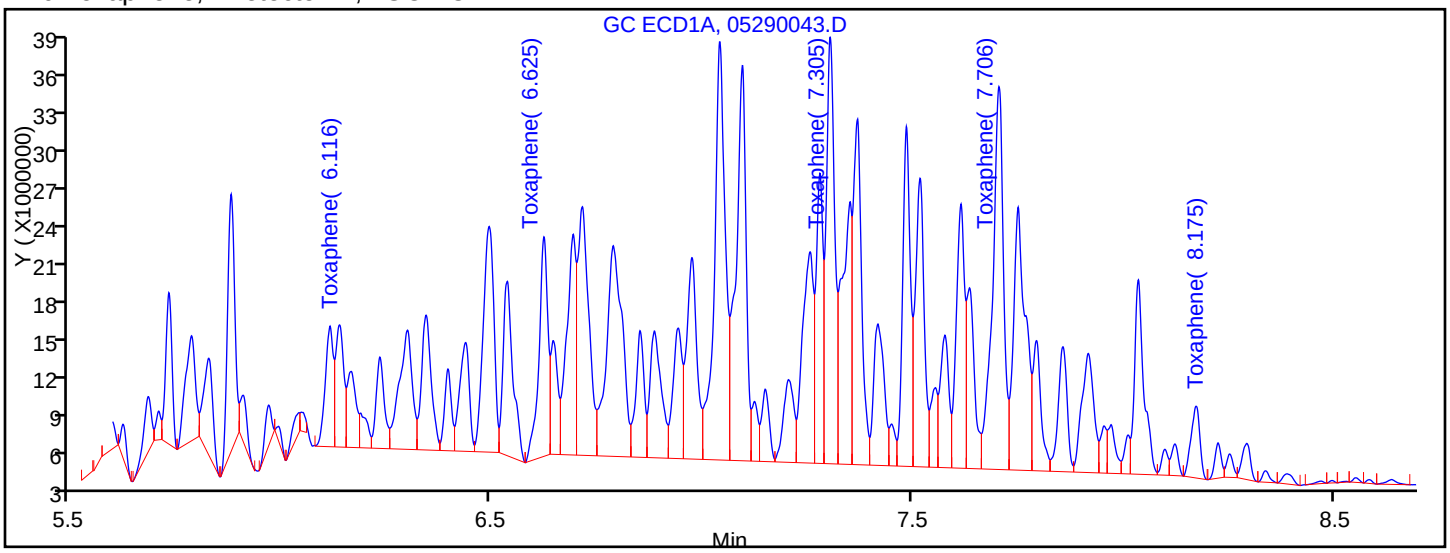
Report Date: 30-May-2013 07:33:15 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290043.D

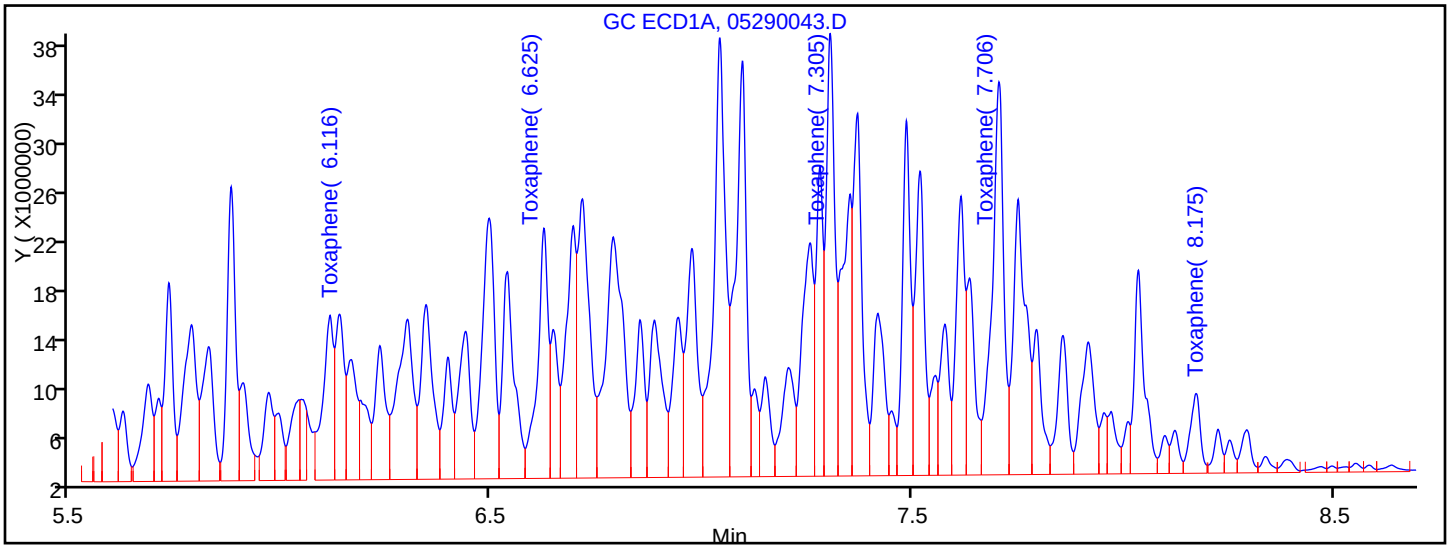
Injection Date:	30-May-2013 01:15:11	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	43
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.116	Response = 12583975	M
RT = 6.625	Response = 25335755	M
RT = 7.305	Response = 46389410	M
RT = 7.706	Response = 54424569	M
RT = 8.175	Response = 8209454	M



Manual Integration Results

RT = 6.116	Response = 23148118	M
RT = 6.625	Response = 34959159	M
RT = 7.305	Response = 50611083	M
RT = 7.706	Response = 60632324	M
RT = 8.175	Response = 10879176	M

Reviewer: wellsd, 30-May-2013 07:32:11

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCVRT 280-176496/10 Calibration Date: 05/30/2013 16:44

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05300010.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2		1326929		49.0	50.0	-2.0	20.0
alpha-BHC	Lin2		1408224		50.4	50.0	0.8	20.0
gamma-BHC (Lindane)	Lin2		1234618		50.5	50.0	1.0	20.0
beta-BHC	Lin2		519767		50.5	50.0	1.0	20.0
delta-BHC	Lin2		1260425		50.0	50.0	-0.0	20.0
Heptachlor	Lin2		1079878		49.8	50.0	-0.4	20.0
Aldrin	Lin2		1202940		51.7	50.0	3.4	20.0
Isodrin	Lin2		1113524		51.7	50.0	3.3	20.0
Heptachlor epoxide	Lin2		1063044		51.4	50.0	2.8	20.0
gamma-Chlordane	Lin2		1122241		51.6	50.0	3.3	20.0
alpha-Chlordane	Lin2		1112531		51.6	50.0	3.1	20.0
4,4'-DDE	Lin2		1185454		48.9	50.0	-2.2	20.0
Endosulfan I	Lin2		1047975		52.3	50.0	4.5	20.0
Dieldrin	Lin2		1122597		51.7	50.0	3.5	20.0
Endrin	Ave	863084	908474		52.6	50.0	5.3	20.0
4,4'-DDD	Lin2		841432		49.0	50.0	-2.0	20.0
Endosulfan II	Lin2		951560		51.8	50.0	3.6	20.0
4,4'-DDT	Lin2		856462		49.9	50.0	-0.2	20.0
Endrin aldehyde	Lin2		808351		50.3	50.0	0.6	20.0
Methoxychlor	Lin2		419804		49.6	50.0	-0.7	20.0
Mirex	Lin2		694269		52.5	50.0	4.9	20.0
Endosulfan sulfate	Lin2		857772		51.7	50.0	3.4	20.0
Endrin ketone	Lin2		975457		50.9	50.0	1.8	20.0
Tetrachloro-m-xylene	Lin2		1142030		48.4	50.0	-3.2	20.0
DCB Decachlorobiphenyl	Lin2		767130		50.0	50.0	0.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCVRT 280-176496/10 Calibration Date: 05/30/2013 16:44

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05300010.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	4.18	4.17	4.19
alpha-BHC	4.35	4.34	4.36
gamma-BHC (Lindane)	4.64	4.63	4.65
beta-BHC	4.72	4.71	4.73
delta-BHC	4.86	4.85	4.87
Heptachlor	5.04	5.03	5.05
Aldrin	5.29	5.28	5.30
Isodrin	5.60	5.59	5.61
Heptachlor epoxide	5.87	5.86	5.88
gamma-Chlordane	6.00	5.99	6.01
alpha-Chlordane	6.14	6.13	6.15
4,4'-DDE	6.23	6.22	6.24
Endosulfan I	6.28	6.27	6.29
Dieldrin	6.53	6.52	6.54
Endrin	6.76	6.75	6.77
4,4'-DDD	6.83	6.82	6.84
Endosulfan II	6.98	6.97	6.99
4,4'-DDT	7.10	7.09	7.11
Endrin aldehyde	7.38	7.37	7.39
Methoxychlor	7.56	7.55	7.57
Mirex	7.70	7.69	7.71
Endosulfan sulfate	7.79	7.78	7.80
Endrin ketone	8.05	8.04	8.06
Tetrachloro-m-xylene	3.77	3.76	3.78
DCB Decachlorobiphenyl	8.96	8.95	8.97

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\05300010.D
Lims ID: CCVRT AB4 Client ID:
Inject. Date: 30-May-2013 16:44:14 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: CCVRT AB4
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 176496 Lims Sample ID: 10
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\8081 P2.m
Last Update: 31-May-2013 07:50:34 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						204.4			
2						205.9			
						RPD = 0.74			
$ 7 Tetrachloro-m-xylene									
1	100	3.768	3.768	0.000	57101494	48.4			
2	2	3.844	3.844	0.000	66157884	49.7			
						RPD = 2.55			
8 Hexachlorobenzene									
1	100	4.179	4.179	0.000	66346440	49.0			
2	2	4.324	4.324	0.000	69360361	50.6			
						RPD = 3.30			
10 alpha-BHC									
1	-65	4.347	4.347	0.000	70411180	50.4			
2	2	4.469	4.469	0.000	91223784	50.7			
						RPD = 0.65			
11 gamma-BHC (Lindane)									
1	-65	4.638	4.638	0.000	61730916	50.5			
2	2	4.783	4.783	0.000	79656384	50.8			
						RPD = 0.69			
12 beta-BHC									
1	100	4.716	4.716	0.000	25988350	50.5			
2	2	4.857	4.857	0.000	33482984	50.7			
						RPD = 0.33			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.864	4.864	0.000	63021254	50.0			
2	2	5.093	5.093	0.000	81673656	51.1			
						RPD = 2.25			
15 Heptachlor									
1	100	5.039	5.039	0.000	53993888	49.8			
2	2	5.136	5.136	0.000	71373817	51.8			
						RPD = 3.84			
16 Aldrin									
1	-65	5.292	5.292	0.000	60146986	51.7			
2	2	5.413	5.413	0.000	75387013	51.7			
						RPD = 0.01			
18 Isodrin									
1	100	5.598	5.598	0.000	55676195	51.7			
2	2	5.786	5.786	0.000	70317812	51.5			
						RPD = 0.31			
22 Heptachlor epoxide									
1	-65	5.868	5.868	0.000	53152199	51.4			
2	2	5.970	5.970	0.000	68060814	51.5			
						RPD = 0.11			
23 gamma-Chlordane									
1	-65	5.999	5.999	0.000	56112048	51.6			
2	2	6.170	6.170	0.000	70544688	51.4			
						RPD = 0.40			
24 alpha-Chlordane									
1	-65	6.143	6.143	0.000	55626532	51.6			
2	2	6.324	6.324	0.000	68112514	51.3			
						RPD = 0.55			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	59272675	48.9			
2	2	6.502	6.502	0.000	70538044	50.8			
						RPD = 3.70			
26 Endosulfan I									
1	100	6.284	6.284	0.000	52398732	52.3			
2	2	6.384	6.384	0.000	62559219	51.8			
						RPD = 0.87			
28 Dieldrin									
1	100	6.528	6.528	0.000	56129829	51.7			
2	2	6.665	6.665	0.000	70142323	51.9			
						RPD = 0.22			
30 Endrin									
1	-65	6.762	6.762	0.000	45423706	52.6			
2	2	6.970	6.970	0.000	58382124	55.4			
						RPD = 5.10			
32 4,4'-DDD									
1	100	6.829	6.829	0.000	42071610	49.0			
2	2	7.082	7.082	0.000	54546595	50.2			
						RPD = 2.38			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.980	6.980	0.000	47577989	51.8			
2	2	7.179	7.179	0.000	58968077	52.0			
						RPD = 0.35			
35 4,4'-DDT									
1	-65	7.103	7.103	0.000	42823089	49.9			
2	2	7.384	7.384	0.000	50335259	52.8			
						RPD = 5.62			
36 Endrin aldehyde									
1	-65	7.384	7.384	0.000	40417572	50.3			
2	2	7.504	7.504	0.000	49525588	50.7			
						RPD = 0.72			
37 Methoxychlor									
1	-65	7.564	7.564	0.000	20990211	49.6			
2	2	8.031	8.031	0.000	24488667	54.1			
						RPD = 8.66			
38 Mirex									
1	100	7.704	7.704	0.000	34713450	52.5			
2	2	8.216	8.216	0.000	39030515	53.2			
						RPD = 1.42			
39 Endosulfan sulfate									
1	-65	7.793	7.793	0.000	42888590	51.7			
2	2	7.762	7.762	0.000	53142010	52.5			
						RPD = 1.51			
40 Endrin ketone									
1	-65	8.052	8.052	0.000	48772847	50.9			
2	2	8.255	8.255	0.000	58523766	52.3			
						RPD = 2.74			
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.964	0.000	38356514	50.0			
2	2	9.418	9.418	0.000	37078689	51.9			
						RPD = 3.59			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

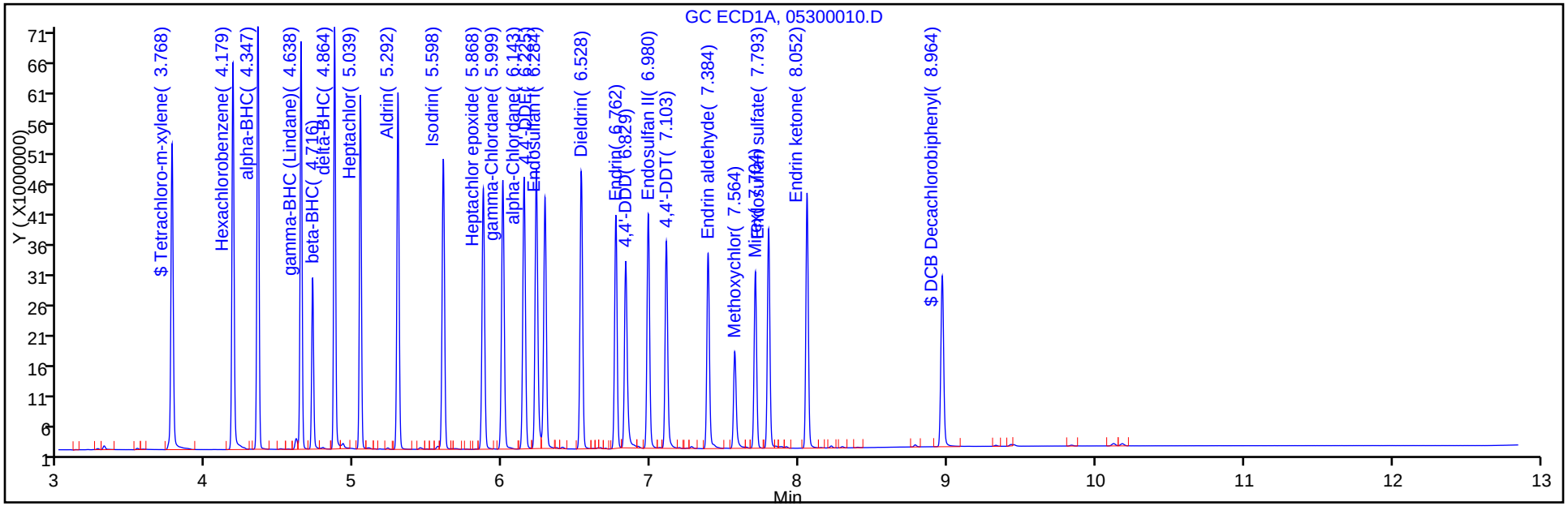
Report Date: 31-May-2013 07:50:34 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

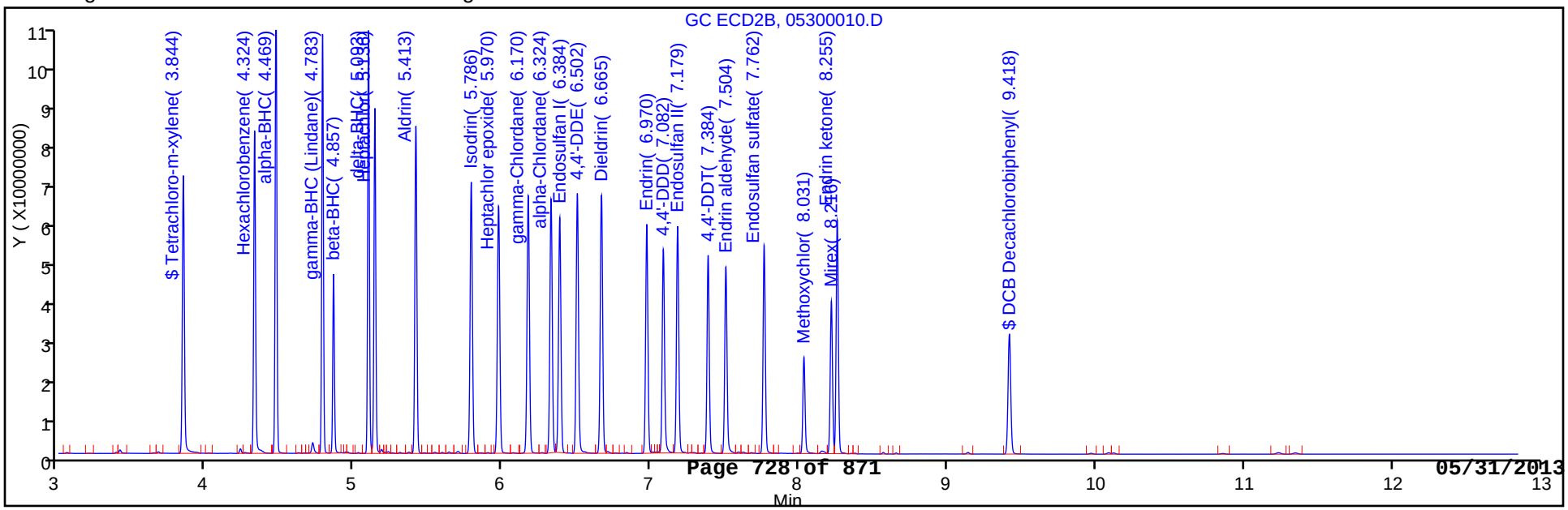
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Injection Date:	30-May-2013 16:44:14	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176496	Lims Sample ID:	10
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCVRT 280-176496/10 Calibration Date: 05/30/2013 16:44

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05300010.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2		1387207		50.6	50.0	1.3	20.0
alpha-BHC	Lin2		1824476		50.7	50.0	1.5	20.0
gamma-BHC (Lindane)	Lin2		1593128		50.8	50.0	1.7	20.0
beta-BHC	Lin2		669660		50.7	50.0	1.3	20.0
delta-BHC	Lin2		1633473		51.1	50.0	2.2	20.0
Heptachlor	Lin2		1427476		51.8	50.0	3.5	20.0
Aldrin	Lin2		1507740		51.7	50.0	3.4	20.0
Isodrin	Lin2		1406356		51.5	50.0	3.0	20.0
Heptachlor epoxide	Lin2		1361216		51.5	50.0	2.9	20.0
gamma-Chlordane	Lin2		1410894		51.4	50.0	2.8	20.0
alpha-Chlordane	Lin2		1362250		51.3	50.0	2.5	20.0
Endosulfan I	Lin2		1251184		51.8	50.0	3.6	20.0
4,4'-DDE	Lin2		1410761		50.8	50.0	1.5	20.0
Dieldrin	Lin2		1402846		51.9	50.0	3.7	20.0
Endrin	Lin2		1167642		55.4	50.0	10.8	20.0
4,4'-DDD	Lin2		1090932		50.2	50.0	0.3	20.0
Endosulfan II	Lin2		1179362		52.0	50.0	3.9	20.0
4,4'-DDT	Lin2		1006705		52.8	50.0	5.5	20.0
Endrin aldehyde	Lin2		990512		50.7	50.0	1.3	20.0
Endosulfan sulfate	Lin2		1062840		52.5	50.0	5.0	20.0
Methoxychlor	Lin2		489773		54.1	50.0	8.2	20.0
Mirex	Lin2		780610		53.2	50.0	6.4	20.0
Endrin ketone	Lin2		1170475		52.3	50.0	4.6	20.0
Tetrachloro-m-xylene	Lin2		1323158		49.7	50.0	-0.7	20.0
DCB Decachlorobiphenyl	Lin2		741574		51.9	50.0	3.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCVRT 280-176496/10 Calibration Date: 05/30/2013 16:44

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05300010.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	4.32	4.31	4.33
alpha-BHC	4.47	4.46	4.48
gamma-BHC (Lindane)	4.78	4.77	4.79
beta-BHC	4.86	4.85	4.87
delta-BHC	5.09	5.08	5.10
Heptachlor	5.14	5.13	5.15
Aldrin	5.41	5.40	5.42
Isodrin	5.79	5.78	5.80
Heptachlor epoxide	5.97	5.96	5.98
gamma-Chlordane	6.17	6.16	6.18
alpha-Chlordane	6.32	6.31	6.33
Endosulfan I	6.38	6.37	6.39
4,4'-DDE	6.50	6.49	6.51
Dieldrin	6.67	6.66	6.68
Endrin	6.97	6.96	6.98
4,4'-DDD	7.08	7.07	7.09
Endosulfan II	7.18	7.17	7.19
4,4'-DDT	7.38	7.37	7.39
Endrin aldehyde	7.50	7.49	7.51
Endosulfan sulfate	7.76	7.75	7.77
Methoxychlor	8.03	8.02	8.04
Mirex	8.22	8.21	8.23
Endrin ketone	8.26	8.25	8.27
Tetrachloro-m-xylene	3.84	3.83	3.85
DCB Decachlorobiphenyl	9.42	9.41	9.43

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\05300010.D
Lims ID: CCVRT AB4 Client ID:
Inject. Date: 30-May-2013 16:44:14 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: CCVRT AB4
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 176496 Lims Sample ID: 10
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\8081 P2.m
Last Update: 31-May-2013 07:50:34 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						204.4			
2						205.9			
						RPD = 0.74			
$ 7 Tetrachloro-m-xylene									
1	100	3.768	3.768	0.000	57101494	48.4			
2	2	3.844	3.844	0.000	66157884	49.7			
						RPD = 2.55			
8 Hexachlorobenzene									
1	100	4.179	4.179	0.000	66346440	49.0			
2	2	4.324	4.324	0.000	69360361	50.6			
						RPD = 3.30			
10 alpha-BHC									
1	-65	4.347	4.347	0.000	70411180	50.4			
2	2	4.469	4.469	0.000	91223784	50.7			
						RPD = 0.65			
11 gamma-BHC (Lindane)									
1	-65	4.638	4.638	0.000	61730916	50.5			
2	2	4.783	4.783	0.000	79656384	50.8			
						RPD = 0.69			
12 beta-BHC									
1	100	4.716	4.716	0.000	25988350	50.5			
2	2	4.857	4.857	0.000	33482984	50.7			
						RPD = 0.33			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.864	4.864	0.000	63021254	50.0			
2	2	5.093	5.093	0.000	81673656	51.1			
						RPD = 2.25			
15 Heptachlor									
1	100	5.039	5.039	0.000	53993888	49.8			
2	2	5.136	5.136	0.000	71373817	51.8			
						RPD = 3.84			
16 Aldrin									
1	-65	5.292	5.292	0.000	60146986	51.7			
2	2	5.413	5.413	0.000	75387013	51.7			
						RPD = 0.01			
18 Isodrin									
1	100	5.598	5.598	0.000	55676195	51.7			
2	2	5.786	5.786	0.000	70317812	51.5			
						RPD = 0.31			
22 Heptachlor epoxide									
1	-65	5.868	5.868	0.000	53152199	51.4			
2	2	5.970	5.970	0.000	68060814	51.5			
						RPD = 0.11			
23 gamma-Chlordane									
1	-65	5.999	5.999	0.000	56112048	51.6			
2	2	6.170	6.170	0.000	70544688	51.4			
						RPD = 0.40			
24 alpha-Chlordane									
1	-65	6.143	6.143	0.000	55626532	51.6			
2	2	6.324	6.324	0.000	68112514	51.3			
						RPD = 0.55			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	59272675	48.9			
2	2	6.502	6.502	0.000	70538044	50.8			
						RPD = 3.70			
26 Endosulfan I									
1	100	6.284	6.284	0.000	52398732	52.3			
2	2	6.384	6.384	0.000	62559219	51.8			
						RPD = 0.87			
28 Dieldrin									
1	100	6.528	6.528	0.000	56129829	51.7			
2	2	6.665	6.665	0.000	70142323	51.9			
						RPD = 0.22			
30 Endrin									
1	-65	6.762	6.762	0.000	45423706	52.6			
2	2	6.970	6.970	0.000	58382124	55.4			
						RPD = 5.10			
32 4,4'-DDD									
1	100	6.829	6.829	0.000	42071610	49.0			
2	2	7.082	7.082	0.000	54546595	50.2			
						RPD = 2.38			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.980	6.980	0.000	47577989	51.8			
2	2	7.179	7.179	0.000	58968077	52.0			
						RPD = 0.35			
35 4,4'-DDT									
1	-65	7.103	7.103	0.000	42823089	49.9			
2	2	7.384	7.384	0.000	50335259	52.8			
						RPD = 5.62			
36 Endrin aldehyde									
1	-65	7.384	7.384	0.000	40417572	50.3			
2	2	7.504	7.504	0.000	49525588	50.7			
						RPD = 0.72			
37 Methoxychlor									
1	-65	7.564	7.564	0.000	20990211	49.6			
2	2	8.031	8.031	0.000	24488667	54.1			
						RPD = 8.66			
38 Mirex									
1	100	7.704	7.704	0.000	34713450	52.5			
2	2	8.216	8.216	0.000	39030515	53.2			
						RPD = 1.42			
39 Endosulfan sulfate									
1	-65	7.793	7.793	0.000	42888590	51.7			
2	2	7.762	7.762	0.000	53142010	52.5			
						RPD = 1.51			
40 Endrin ketone									
1	-65	8.052	8.052	0.000	48772847	50.9			
2	2	8.255	8.255	0.000	58523766	52.3			
						RPD = 2.74			
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.964	0.000	38356514	50.0			
2	2	9.418	9.418	0.000	37078689	51.9			
						RPD = 3.59			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

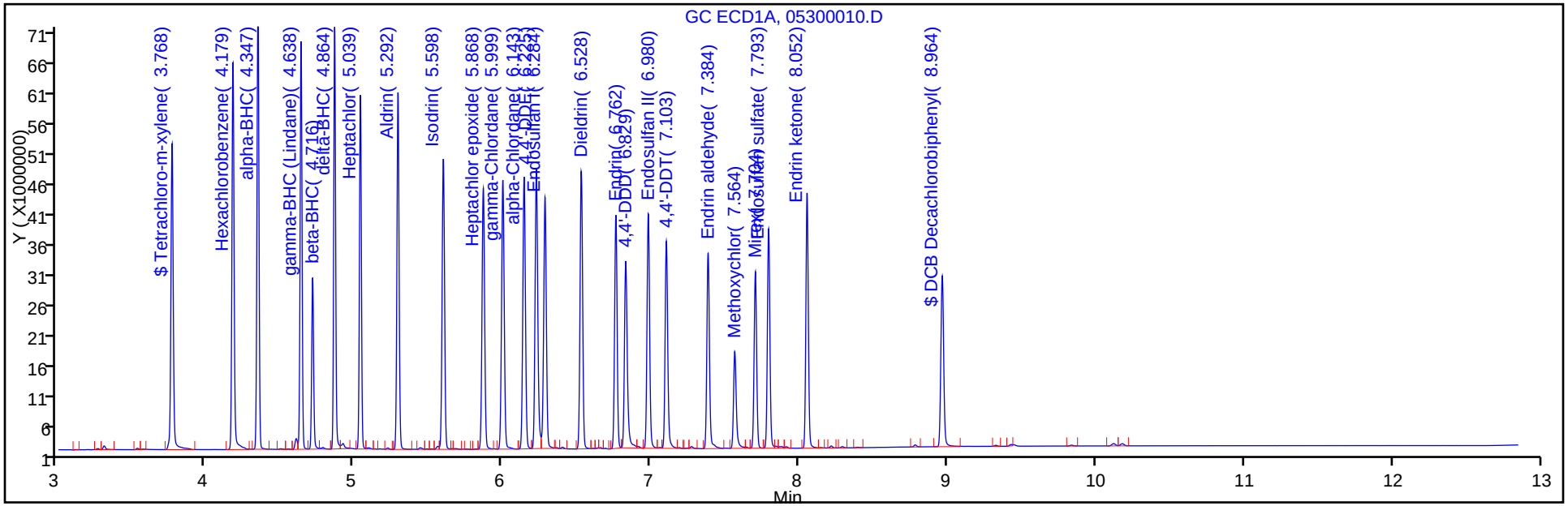
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TestAmerica Denver

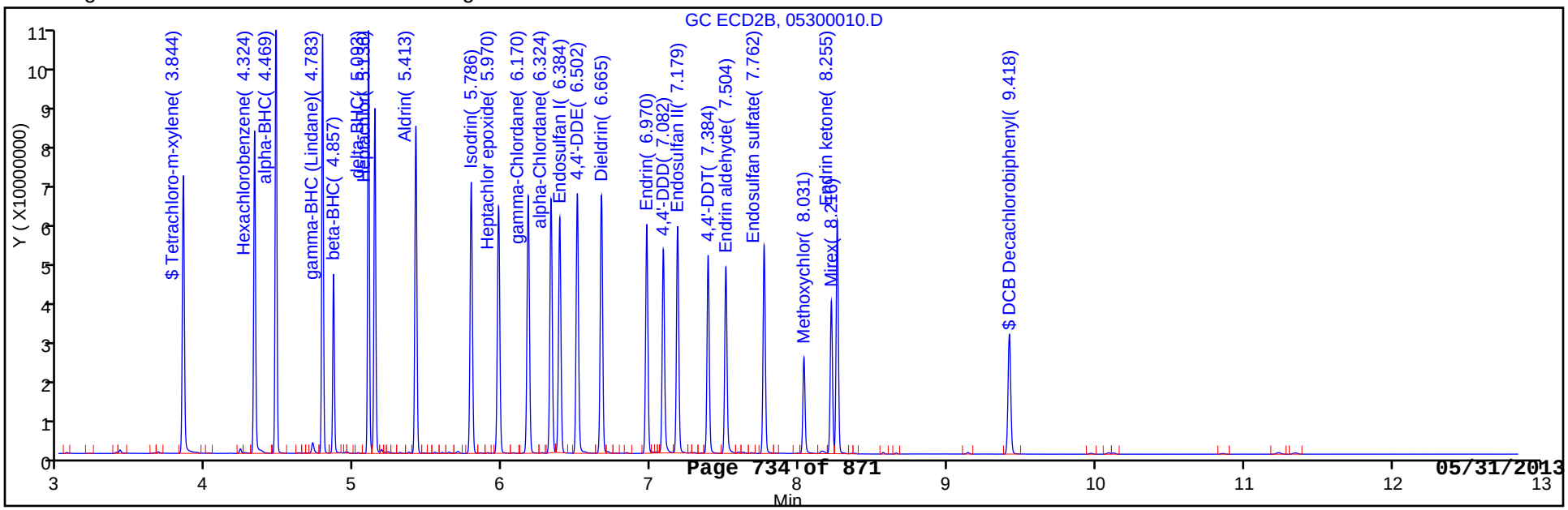
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Injection Date:	30-May-2013 16:44:14	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176496	Lims Sample ID:	10
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176496/12 Calibration Date: 05/30/2013 17:17

Instrument ID: SGC_P2 Calib Start Date: 05/09/2013 23:51

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/10/2013 01:13

Lab File ID: 05300012.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		3307		2140	2000	6.8	20.0
Toxaphene Peak 2	Lin2		18462		2170	2000	8.6	20.0
Toxaphene Peak 3	Lin2		27739		2220	2000	10.8	20.0
Toxaphene Peak 4	Lin2		50980		2160	2000	8.2	20.0
Toxaphene Peak 5	Lin2		23832		2120	2000	5.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176496/12 Calibration Date: 05/30/2013 17:17

Instrument ID: SGC_P2 Calib Start Date: 05/09/2013 23:51

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/10/2013 01:13

Lab File ID: 05300012.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.12	6.10	6.14
Toxaphene Peak 2	6.63	6.61	6.65
Toxaphene Peak 3	7.31	7.29	7.33
Toxaphene Peak 4	7.71	7.69	7.73
Toxaphene Peak 5	8.18	8.16	8.20

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\05300012.D
Lims ID: CCV TOX4 Client ID:
Inject. Date: 30-May-2013 17:17:19 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV TOX4
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 6
Lims Batch ID: 176496 Lims Sample ID: 12
Sublist: chrom-8081 P2*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\8081 P2.m
Last Update: 31-May-2013 07:50:38 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 31-May-2013 07:13:29

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.116	6.116	0.000	6614165	2135.2		100.0	M
1	-65	6.625	6.625	0.000	36923337	2171.8	515.9- 555.9	558.2	M
1	-65	7.306	7.306	0.000	55477015	2215.5	731.1- 771.1	838.8	M
1	-65	7.706	7.706	0.000	101960759	2164.7	1471.6-1511.6	1541.6	M
1	-65	8.176	8.176	0.000	47664889	2118.1	701.3- 741.3	720.6	M
			Average of Peak Amounts =			2161.1			
2	6	6.640	6.640	0.000	35623779	2410.5		100.0	M
2	7	6.911	6.911	0.000	76752311	2388.6	185.9- 245.9	215.5	M
2	8	7.259	7.259	0.000	107556348	2337.7	281.4- 341.4	301.9	M
2	9	7.509	7.509	0.000	139048317	2329.6	371.6- 431.6	390.3	M
2	10	8.342	8.342	0.000	54893486	2378.5	123.9- 183.9	154.1	M
			Average of Peak Amounts =			2369.0			
						RPD = 9.18			

QC Flag Legend

Review Flags
M - Manually Integrated

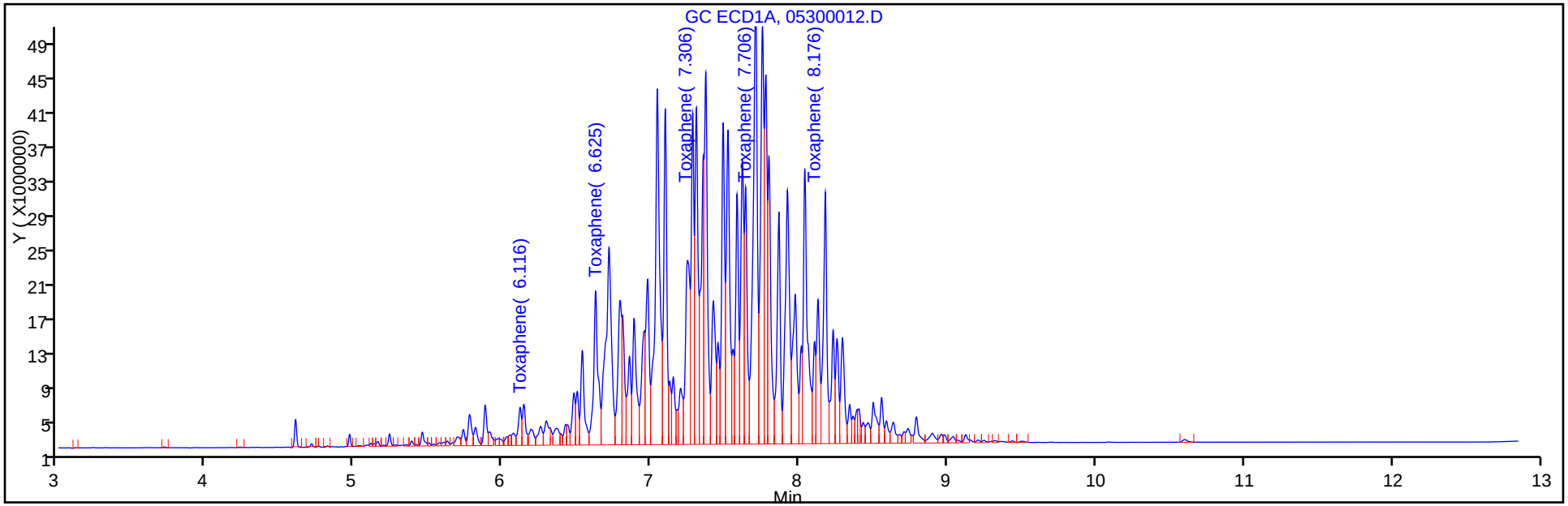
Report Date: 31-May-2013 07:50:38 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

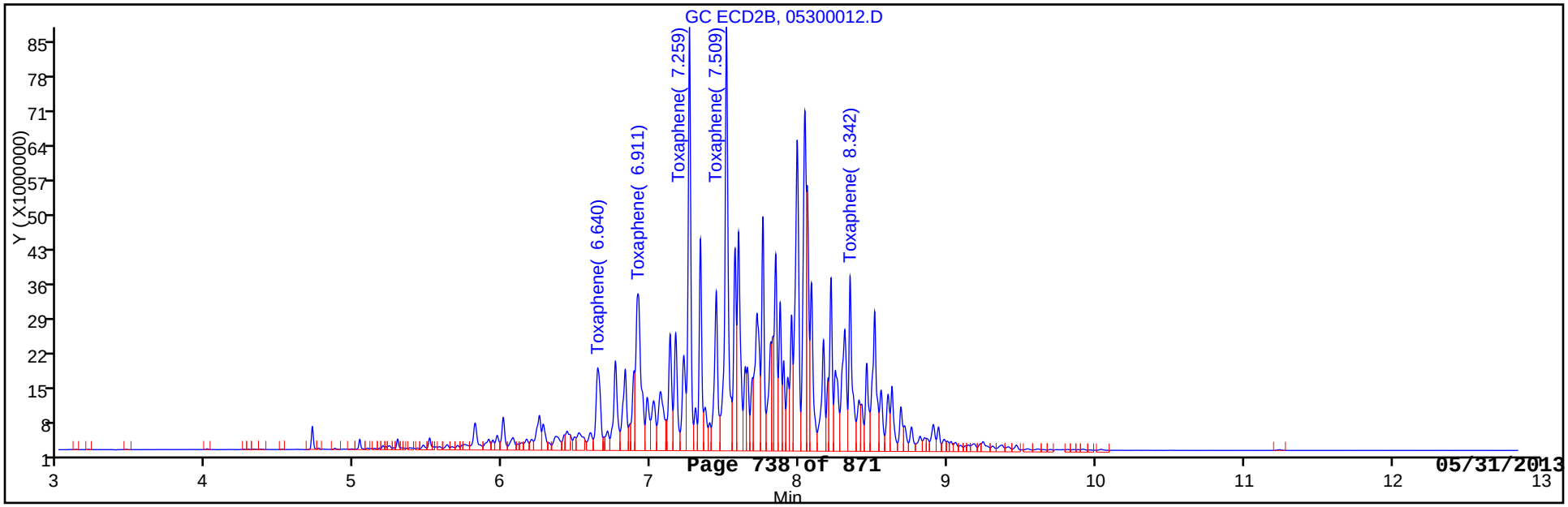
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Injection Date:	30-May-2013 17:17:19	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176496	Lims Sample ID:	12
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



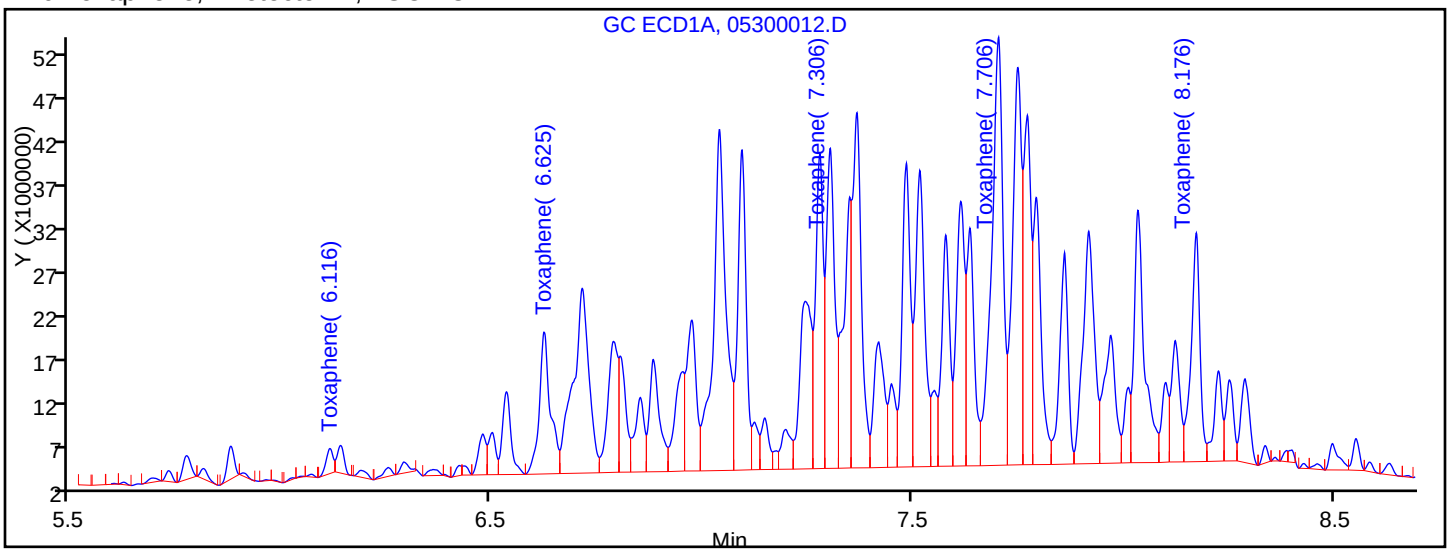
Report Date: 31-May-2013 07:50:40 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\05300012.D

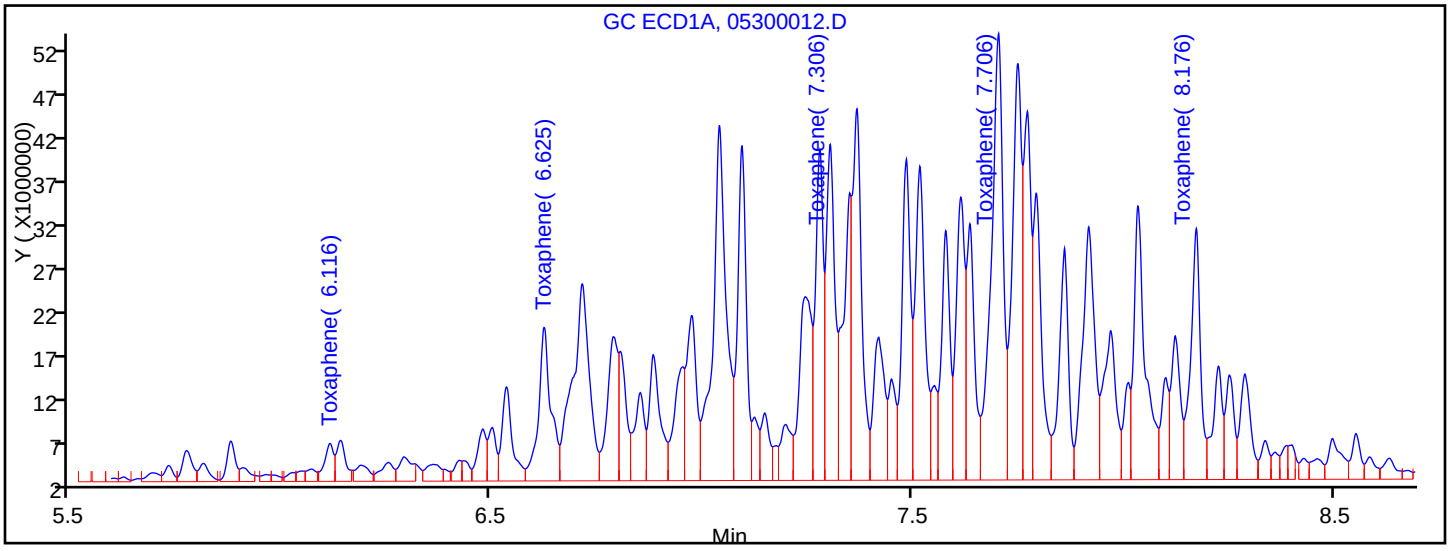
Injection Date:	30-May-2013 17:17:19	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176496	Lims Sample ID:	12
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.116	Response = 3379427	M
RT = 6.625	Response = 30058650	M
RT = 7.306	Response = 51614509	M
RT = 7.706	Response = 93186130	M
RT = 8.176	Response = 38880256	M



Manual Integration Results

RT = 6.116	Response = 6614165	M
RT = 6.625	Response = 36923337	M
RT = 7.306	Response = 55477015	M
RT = 7.706	Response = 101960759	M
RT = 8.176	Response = 47664889	M

Reviewer: wellsd, 31-May-2013 07:13:29

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176496/22 Calibration Date: 05/30/2013 20:02

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05300022.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2		1370696		50.6	50.0	1.3	20.0
alpha-BHC	Lin2		1611968		57.8	50.0	15.5	20.0
gamma-BHC (Lindane)	Lin2		1415834		58.0	50.0	16.0	20.0
beta-BHC	Lin2		601230		58.6	50.0	17.2	20.0
delta-BHC	Lin2		1452908		57.7	50.0	15.3	20.0
Heptachlor	Lin2		1190850		55.0	50.0	10.0	20.0
Aldrin	Lin2		1340096		57.6	50.0	15.3	20.0
Isodrin	Lin2		1236415		57.5	50.0	14.9	20.0
Heptachlor epoxide	Lin2		1198737		58.1	50.0	16.2	20.0
gamma-Chlordane	Lin2		1261715		58.1	50.0	16.3	20.0
alpha-Chlordane	Lin2		1229191		57.0	50.0	14.1	20.0
4,4'-DDE	Lin2		1272175		52.5	50.0	5.1	20.0
Endosulfan I	Lin2		1165868		58.2	50.0	16.5	20.0
Dieldrin	Lin2		1236716		57.1	50.0	14.2	20.0
Endrin	Ave	863084	1000312		57.9	50.0	15.9	20.0
4,4'-DDD	Lin2		964757		56.3	50.0	12.6	20.0
Endosulfan II	Lin2		1056946		57.6	50.0	15.3	20.0
4,4'-DDT	Lin2		903080		52.6	50.0	5.2	20.0
Endrin aldehyde	Lin2		873330		54.4	50.0	8.8	20.0
Methoxychlor	Lin2		436272		51.6	50.0	3.2	20.0
Mirex	Lin2		729529		55.2	50.0	10.4	20.0
Endosulfan sulfate	Lin2		934420		56.4	50.0	12.8	20.0
Endrin ketone	Lin2		978116		51.0	50.0	2.1	20.0
Tetrachloro-m-xylene	Lin2		1155002		49.0	50.0	-2.1	20.0
DCB Decachlorobiphenyl	Lin2		782786		51.1	50.0	2.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176496/22 Calibration Date: 05/30/2013 20:02

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05300022.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	4.18	4.17	4.19
alpha-BHC	4.35	4.34	4.36
gamma-BHC (Lindane)	4.64	4.63	4.65
beta-BHC	4.72	4.71	4.73
delta-BHC	4.86	4.85	4.87
Heptachlor	5.04	5.03	5.05
Aldrin	5.29	5.28	5.30
Isodrin	5.60	5.59	5.61
Heptachlor epoxide	5.87	5.86	5.88
gamma-Chlordane	6.00	5.99	6.01
alpha-Chlordane	6.14	6.13	6.15
4,4'-DDE	6.23	6.22	6.24
Endosulfan I	6.28	6.27	6.29
Dieldrin	6.53	6.52	6.54
Endrin	6.76	6.75	6.77
4,4'-DDD	6.83	6.82	6.84
Endosulfan II	6.98	6.97	6.99
4,4'-DDT	7.10	7.09	7.11
Endrin aldehyde	7.38	7.37	7.39
Methoxychlor	7.56	7.55	7.57
Mirex	7.70	7.69	7.71
Endosulfan sulfate	7.79	7.78	7.80
Endrin ketone	8.05	8.04	8.06
Tetrachloro-m-xylene	3.77	3.76	3.78
DCB Decachlorobiphenyl	8.96	8.95	8.97

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\05300022.D
Lims ID: CCV AB Client ID:
Inject. Date: 30-May-2013 20:02:27 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 176496 Lims Sample ID: 22
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\8081 P2.m
Last Update: 31-May-2013 07:50:55 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						228.3			
2						208.1			
						RPD = 9.27			
$ 7 Tetrachloro-m-xylene									
1	100	3.767	3.768	-0.001	57750093	49.0			
2	2	3.843	3.844	-0.001	65450326	49.1			
						RPD = 0.32			
8 Hexachlorobenzene									
1	100	4.178	4.179	-0.001	68534822	50.6			
2	2	4.324	4.324	0.000	68840125	50.3			
						RPD = 0.76			
10 alpha-BHC									
1	-65	4.347	4.347	0.000	80598383	57.8			
2	2	4.469	4.469	0.000	92280534	51.3			
						RPD = 11.80			
11 gamma-BHC (Lindane)									
1	-65	4.638	4.638	0.000	70791712	58.0			
2	2	4.783	4.783	0.000	80706933	51.5			
						RPD = 11.84			
12 beta-BHC									
1	100	4.715	4.716	-0.001	30061503	58.6			
2	2	4.857	4.857	0.000	33877108	51.3			
						RPD = 13.38			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.863	4.864	-0.001	72645394	57.7			
2	2	5.093	5.093	0.000	82668389	51.7			
						RPD = 10.86			
15 Heptachlor									
1	100	5.038	5.039	-0.001	59542504	55.0			
2	2	5.136	5.136	0.000	72276221	52.4			
						RPD = 4.81			
16 Aldrin									
1	-65	5.293	5.292	0.001	67004798	57.6			
2	2	5.413	5.413	0.000	76010000	52.1			
						RPD = 10.06			
18 Isodrin									
1	100	5.598	5.598	0.000	61820769	57.5			
2	2	5.787	5.786	0.001	70798955	51.9			
						RPD = 10.24			
22 Heptachlor epoxide									
1	-65	5.868	5.868	0.000	59936853	58.1			
2	2	5.970	5.970	0.000	69052244	52.2			
						RPD = 10.65			
23 gamma-Chlordane									
1	-65	5.999	5.999	0.000	63085745	58.1			
2	2	6.170	6.170	0.000	71342665	52.0			
						RPD = 11.12			
24 alpha-Chlordane									
1	-65	6.143	6.143	0.000	61459552	57.0			
2	2	6.324	6.324	0.000	68289702	51.4			
						RPD = 10.39			
25 4,4'-DDE									
1	-65	6.226	6.225	0.001	63608759	52.5			
2	2	6.502	6.502	0.000	69278312	49.8			
						RPD = 5.24			
26 Endosulfan I									
1	100	6.284	6.284	0.000	58293399	58.2			
2	2	6.383	6.384	-0.001	62805745	52.0			
						RPD = 11.30			
28 Dieldrin									
1	100	6.529	6.528	0.001	61835820	57.1			
2	2	6.664	6.665	-0.001	70347195	52.0			
						RPD = 9.28			
30 Endrin									
1	-65	6.762	6.762	0.000	50015610	57.9			
2	2	6.970	6.970	0.000	58607283	55.6			
						RPD = 4.14			
32 4,4'-DDD									
1	100	6.828	6.829	-0.001	48237856	56.3			
2	2	7.082	7.082	0.000	55439522	51.0			
						RPD = 9.86			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.982	6.980	0.002	52847299	57.6			
2	2	7.178	7.179	-0.001	59140880	52.1			
						RPD = 10.03			
35 4,4'-DDT									
1	-65	7.102	7.103	-0.001	45154021	52.6			
2	2	7.384	7.384	0.000	48911499	51.3			
						RPD = 2.60			
36 Endrin aldehyde									
1	-65	7.384	7.384	0.000	43666498	54.4			
2	2	7.504	7.504	0.000	48744825	49.8			
						RPD = 8.79			
37 Methoxychlor									
1	-65	7.563	7.564	-0.001	21813596	51.6			
2	2	8.030	8.031	-0.001	23883739	52.8			
						RPD = 2.21			
38 Mirex									
1	100	7.703	7.704	-0.001	36476455	55.2			
2	2	8.215	8.216	-0.001	37677032	51.3			
						RPD = 7.26			
39 Endosulfan sulfate									
1	-65	7.793	7.793	0.000	46720995	56.4			
2	2	7.762	7.762	0.000	52905197	52.3			
						RPD = 7.65			
40 Endrin ketone									
1	-65	8.052	8.052	0.000	48905778	51.0			
2	2	8.255	8.255	0.000	57787959	51.6			
						RPD = 1.18			
$ 41 DCB Decachlorobiphenyl									
1	1	8.963	8.964	-0.001	39139322	51.1			
2	2	9.415	9.418	-0.003	35465640	49.5			
						RPD = 3.03			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

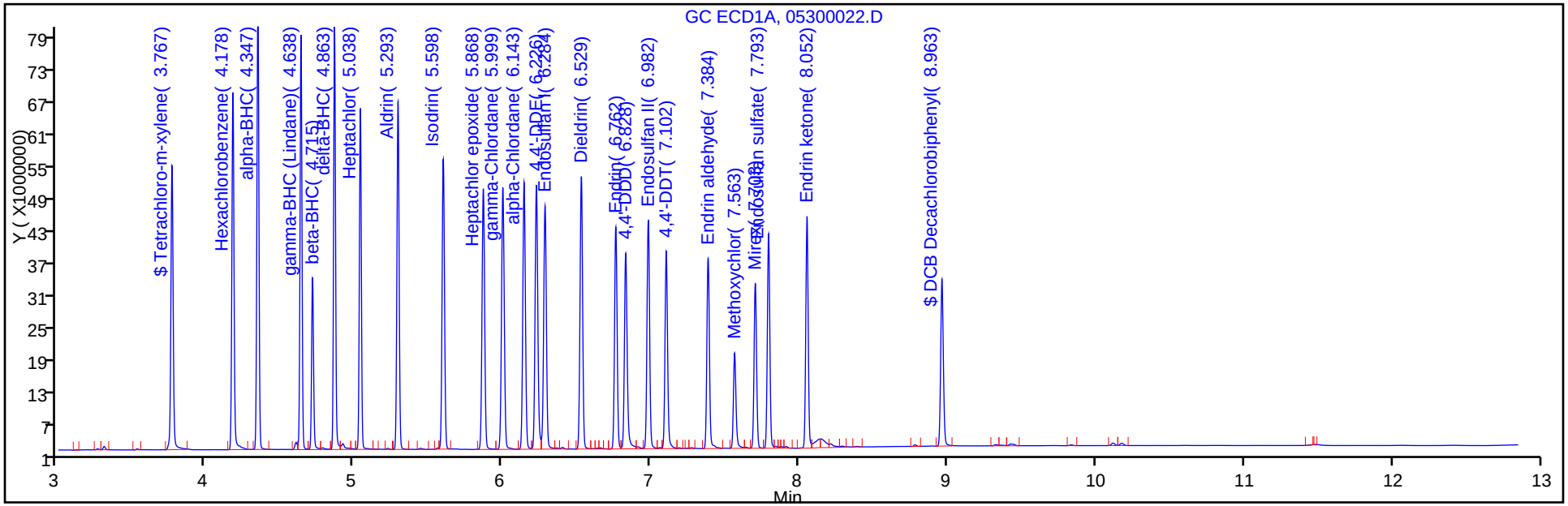
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TestAmerica Denver

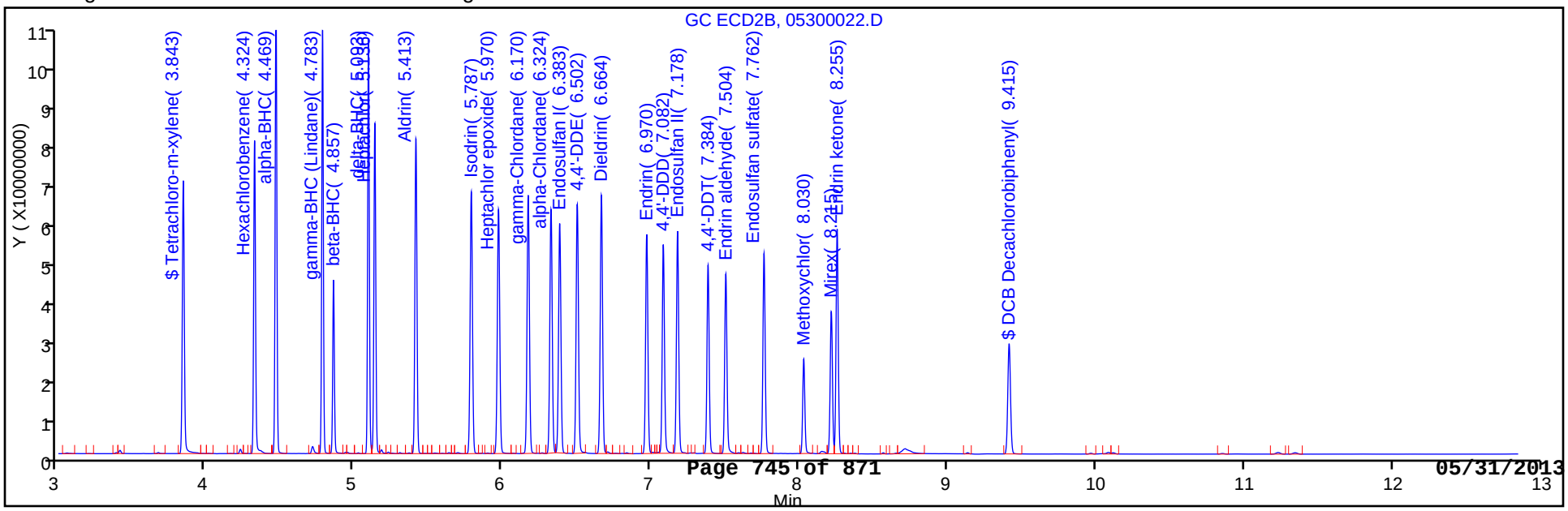
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Injection Date:	30-May-2013 20:02:27	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176496	Lims Sample ID:	22
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176496/22 Calibration Date: 05/30/2013 20:02

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05300022.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Lin2		1376803		50.3	50.0	0.5	20.0
alpha-BHC	Lin2		1845611		51.3	50.0	2.7	20.0
gamma-BHC (Lindane)	Lin2		1614139		51.5	50.0	3.0	20.0
beta-BHC	Lin2		677542		51.3	50.0	2.5	20.0
delta-BHC	Lin2		1653368		51.7	50.0	3.5	20.0
Heptachlor	Lin2		1445524		52.4	50.0	4.9	20.0
Aldrin	Lin2		1520200		52.1	50.0	4.2	20.0
Isodrin	Lin2		1415979		51.9	50.0	3.7	20.0
Heptachlor epoxide	Lin2		1381045		52.2	50.0	4.4	20.0
gamma-Chlordane	Lin2		1426853		52.0	50.0	4.0	20.0
alpha-Chlordane	Lin2		1365794		51.4	50.0	2.8	20.0
Endosulfan I	Lin2		1256115		52.0	50.0	4.0	20.0
4,4'-DDE	Lin2		1385566		49.8	50.0	-0.3	20.0
Dieldrin	Lin2		1406944		52.0	50.0	4.0	20.0
Endrin	Lin2		1172146		55.6	50.0	11.2	20.0
4,4'-DDD	Lin2		1108790		51.0	50.0	2.0	20.0
Endosulfan II	Lin2		1182818		52.1	50.0	4.2	20.0
4,4'-DDT	Lin2		978230		51.3	50.0	2.5	20.0
Endrin aldehyde	Lin2		974897		49.8	50.0	-0.3	20.0
Endosulfan sulfate	Lin2		1058104		52.3	50.0	4.5	20.0
Methoxychlor	Lin2		477675		52.8	50.0	5.5	20.0
Mirex	Lin2		753541		51.3	50.0	2.6	20.0
Endrin ketone	Lin2		1155759		51.6	50.0	3.3	20.0
Tetrachloro-m-xylene	Lin2		1309007		49.1	50.0	-1.7	20.0
DCB Decachlorobiphenyl	Lin2		709313		49.5	50.0	-0.9	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176496/22 Calibration Date: 05/30/2013 20:02

Instrument ID: SGC_P2 Calib Start Date: 05/28/2013 13:37

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 05/28/2013 15:00

Lab File ID: 05300022.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	4.32	4.31	4.33
alpha-BHC	4.47	4.46	4.48
gamma-BHC (Lindane)	4.78	4.77	4.79
beta-BHC	4.86	4.85	4.87
delta-BHC	5.09	5.08	5.10
Heptachlor	5.14	5.13	5.15
Aldrin	5.41	5.40	5.42
Isodrin	5.79	5.78	5.80
Heptachlor epoxide	5.97	5.96	5.98
gamma-Chlordane	6.17	6.16	6.18
alpha-Chlordane	6.32	6.31	6.33
Endosulfan I	6.38	6.37	6.39
4,4'-DDE	6.50	6.49	6.51
Dieldrin	6.66	6.66	6.68
Endrin	6.97	6.96	6.98
4,4'-DDD	7.08	7.07	7.09
Endosulfan II	7.18	7.17	7.19
4,4'-DDT	7.38	7.37	7.39
Endrin aldehyde	7.50	7.49	7.51
Endosulfan sulfate	7.76	7.75	7.77
Methoxychlor	8.03	8.02	8.04
Mirex	8.22	8.21	8.23
Endrin ketone	8.26	8.25	8.27
Tetrachloro-m-xylene	3.84	3.83	3.85
DCB Decachlorobiphenyl	9.42	9.41	9.43

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\05300022.D
Lims ID: CCV AB Client ID:
Inject. Date: 30-May-2013 20:02:27 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 16
Lims Batch ID: 176496 Lims Sample ID: 22
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\8081 P2.m
Last Update: 31-May-2013 07:50:55 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									
1						228.3			
2						208.1			
						RPD = 9.27			
$ 7 Tetrachloro-m-xylene									
1	100	3.767	3.768	-0.001	57750093	49.0			
2	2	3.843	3.844	-0.001	65450326	49.1			
						RPD = 0.32			
8 Hexachlorobenzene									
1	100	4.178	4.179	-0.001	68534822	50.6			
2	2	4.324	4.324	0.000	68840125	50.3			
						RPD = 0.76			
10 alpha-BHC									
1	-65	4.347	4.347	0.000	80598383	57.8			
2	2	4.469	4.469	0.000	92280534	51.3			
						RPD = 11.80			
11 gamma-BHC (Lindane)									
1	-65	4.638	4.638	0.000	70791712	58.0			
2	2	4.783	4.783	0.000	80706933	51.5			
						RPD = 11.84			
12 beta-BHC									
1	100	4.715	4.716	-0.001	30061503	58.6			
2	2	4.857	4.857	0.000	33877108	51.3			
						RPD = 13.38			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.863	4.864	-0.001	72645394	57.7			
2	2	5.093	5.093	0.000	82668389	51.7			
						RPD = 10.86			
15 Heptachlor									
1	100	5.038	5.039	-0.001	59542504	55.0			
2	2	5.136	5.136	0.000	72276221	52.4			
						RPD = 4.81			
16 Aldrin									
1	-65	5.293	5.292	0.001	67004798	57.6			
2	2	5.413	5.413	0.000	76010000	52.1			
						RPD = 10.06			
18 Isodrin									
1	100	5.598	5.598	0.000	61820769	57.5			
2	2	5.787	5.786	0.001	70798955	51.9			
						RPD = 10.24			
22 Heptachlor epoxide									
1	-65	5.868	5.868	0.000	59936853	58.1			
2	2	5.970	5.970	0.000	69052244	52.2			
						RPD = 10.65			
23 gamma-Chlordane									
1	-65	5.999	5.999	0.000	63085745	58.1			
2	2	6.170	6.170	0.000	71342665	52.0			
						RPD = 11.12			
24 alpha-Chlordane									
1	-65	6.143	6.143	0.000	61459552	57.0			
2	2	6.324	6.324	0.000	68289702	51.4			
						RPD = 10.39			
25 4,4'-DDE									
1	-65	6.226	6.225	0.001	63608759	52.5			
2	2	6.502	6.502	0.000	69278312	49.8			
						RPD = 5.24			
26 Endosulfan I									
1	100	6.284	6.284	0.000	58293399	58.2			
2	2	6.383	6.384	-0.001	62805745	52.0			
						RPD = 11.30			
28 Dieldrin									
1	100	6.529	6.528	0.001	61835820	57.1			
2	2	6.664	6.665	-0.001	70347195	52.0			
						RPD = 9.28			
30 Endrin									
1	-65	6.762	6.762	0.000	50015610	57.9			
2	2	6.970	6.970	0.000	58607283	55.6			
						RPD = 4.14			
32 4,4'-DDD									
1	100	6.828	6.829	-0.001	48237856	56.3			
2	2	7.082	7.082	0.000	55439522	51.0			
						RPD = 9.86			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	6.982	6.980	0.002	52847299	57.6			
2	2	7.178	7.179	-0.001	59140880	52.1			
						RPD = 10.03			
35 4,4'-DDT									
1	-65	7.102	7.103	-0.001	45154021	52.6			
2	2	7.384	7.384	0.000	48911499	51.3			
						RPD = 2.60			
36 Endrin aldehyde									
1	-65	7.384	7.384	0.000	43666498	54.4			
2	2	7.504	7.504	0.000	48744825	49.8			
						RPD = 8.79			
37 Methoxychlor									
1	-65	7.563	7.564	-0.001	21813596	51.6			
2	2	8.030	8.031	-0.001	23883739	52.8			
						RPD = 2.21			
38 Mirex									
1	100	7.703	7.704	-0.001	36476455	55.2			
2	2	8.215	8.216	-0.001	37677032	51.3			
						RPD = 7.26			
39 Endosulfan sulfate									
1	-65	7.793	7.793	0.000	46720995	56.4			
2	2	7.762	7.762	0.000	52905197	52.3			
						RPD = 7.65			
40 Endrin ketone									
1	-65	8.052	8.052	0.000	48905778	51.0			
2	2	8.255	8.255	0.000	57787959	51.6			
						RPD = 1.18			
$ 41 DCB Decachlorobiphenyl									
1	1	8.963	8.964	-0.001	39139322	51.1			
2	2	9.415	9.418	-0.003	35465640	49.5			
						RPD = 3.03			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

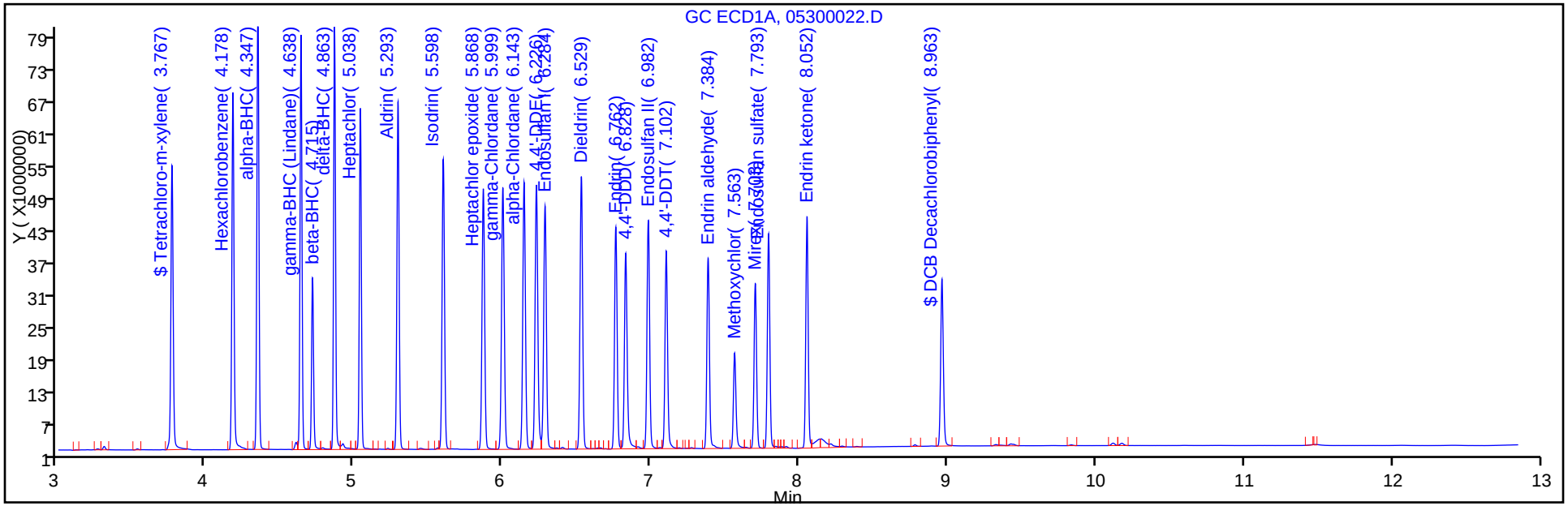
Report Date: 31-May-2013 07:50:55 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

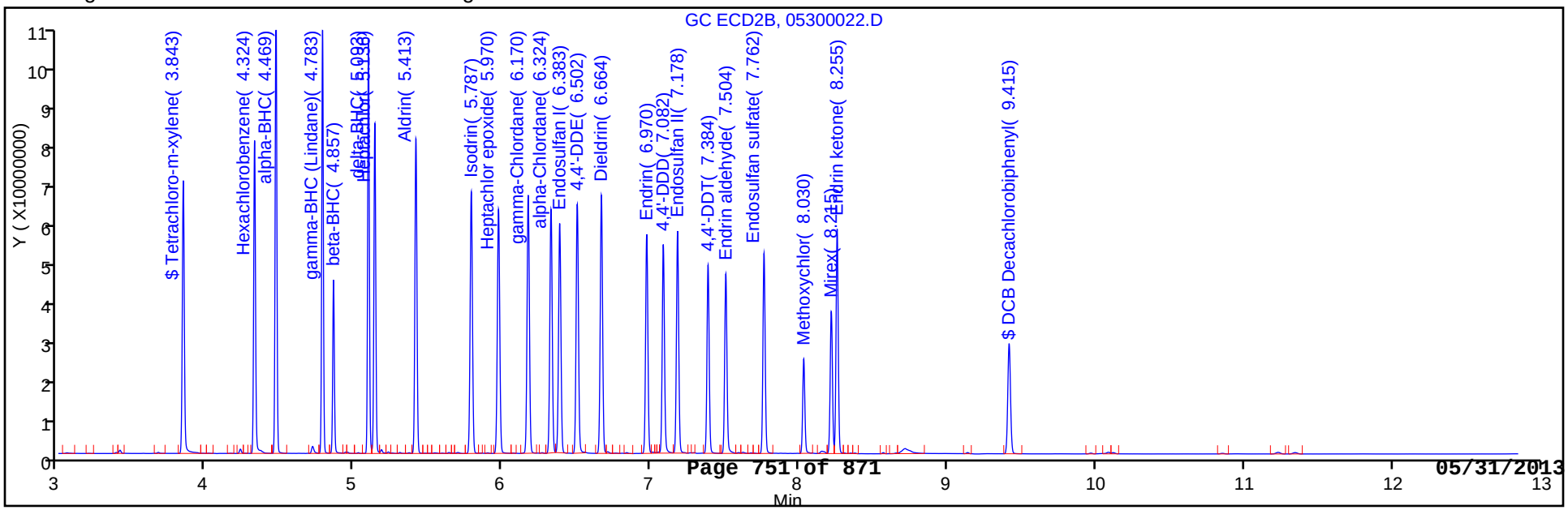
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Injection Date:	30-May-2013 20:02:27	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176496	Lims Sample ID:	22
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176496/24 Calibration Date: 05/30/2013 20:35

Instrument ID: SGC_P2 Calib Start Date: 05/09/2013 23:51

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/10/2013 01:13

Lab File ID: 05300024.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		4033		2600	2000	30.0*	20.0
Toxaphene Peak 2	Lin2		20413		2400	2000	20.1*	20.0
Toxaphene Peak 3	Lin2		29883		2390	2000	19.4	20.0
Toxaphene Peak 4	Lin2		52916		2250	2000	12.4	20.0
Toxaphene Peak 5	Lin2		23805		2120	2000	5.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Lab Sample ID: CCV 280-176496/24 Calibration Date: 05/30/2013 20:35

Instrument ID: SGC_P2 Calib Start Date: 05/09/2013 23:51

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 05/10/2013 01:13

Lab File ID: 05300024.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.11	6.10	6.14
Toxaphene Peak 2	6.63	6.61	6.65
Toxaphene Peak 3	7.30	7.29	7.33
Toxaphene Peak 4	7.70	7.69	7.73
Toxaphene Peak 5	8.17	8.16	8.20

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\05300024.D
Lims ID: CCV TOX Client ID:
Inject. Date: 30-May-2013 20:35:22 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV TOX
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 18
Lims Batch ID: 176496 Lims Sample ID: 24
Sublist: chrom-8081 P2*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\8081 P2.m
Last Update: 31-May-2013 07:50:57 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 31-May-2013 07:15:45

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.114	6.116	-0.002	8066176	2599.3		100.0	M
1	-65	6.625	6.625	0.000	40825486	2401.5	515.9- 555.9	506.1	M
1	-65	7.304	7.306	-0.002	59766639	2388.3	731.1- 771.1	741.0	M
1	-65	7.704	7.706	-0.002	105832619	2247.1	1471.6-1511.6	1312.1	M
1	-65	8.173	8.176	-0.003	47610014	2115.7	701.3- 741.3	590.2	M
			Average of Peak Amounts =			2350.4			
2	6	6.643	6.640	0.003	35983204	2434.9		100.0	M
2	7	6.909	6.911	-0.002	75379741	2346.1	185.9- 245.9	209.5	M
2	8	7.259	7.259	0.000	107084451	2327.4	281.4- 341.4	297.6	M
2	9	7.507	7.509	-0.002	138883464	2326.9	371.6- 431.6	386.0	M
2	10	8.341	8.342	-0.001	53030279	2299.8	123.9- 183.9	147.4	M
			Average of Peak Amounts =			2347.0			
						RPD = 0.14			

QC Flag Legend

Review Flags
M - Manually Integrated

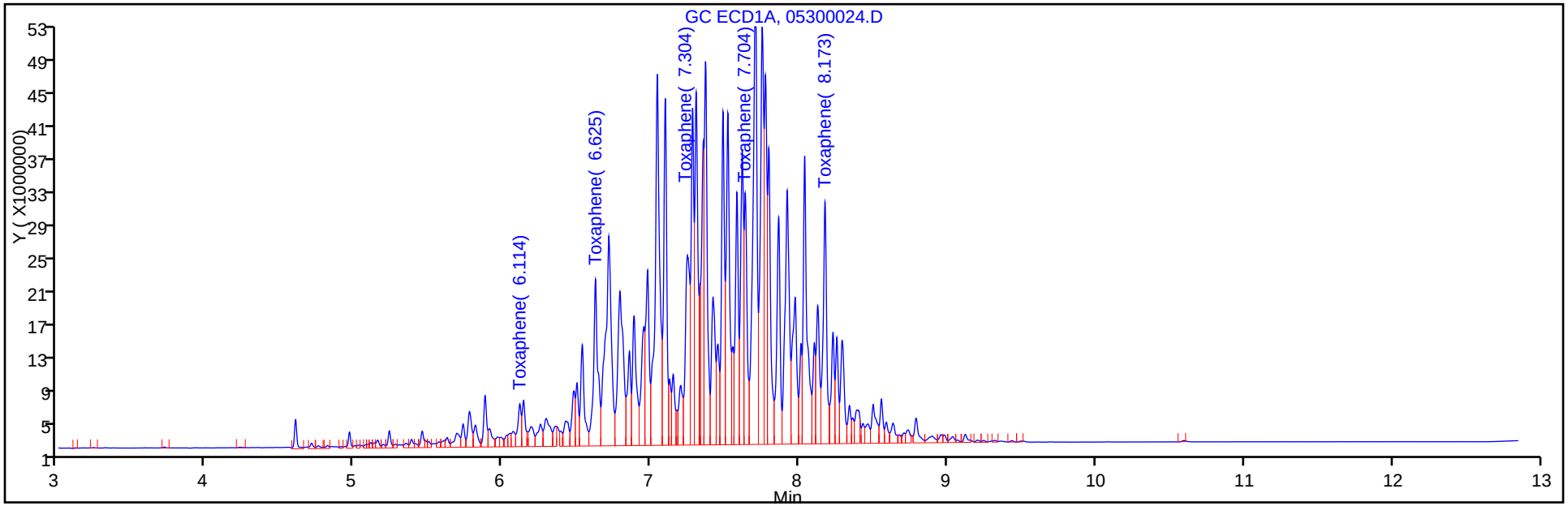
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TestAmerica Denver

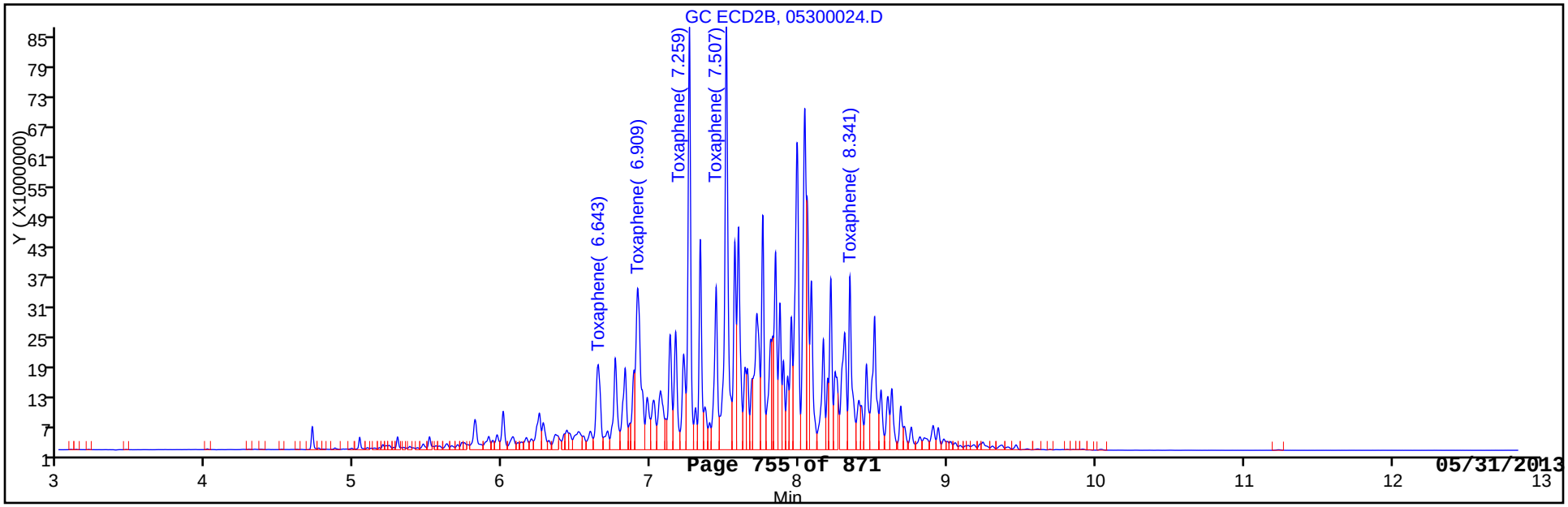
Data File: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\05300024.D

Injection Date:	30-May-2013 20:35:22	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176496	Lims Sample ID:	24
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



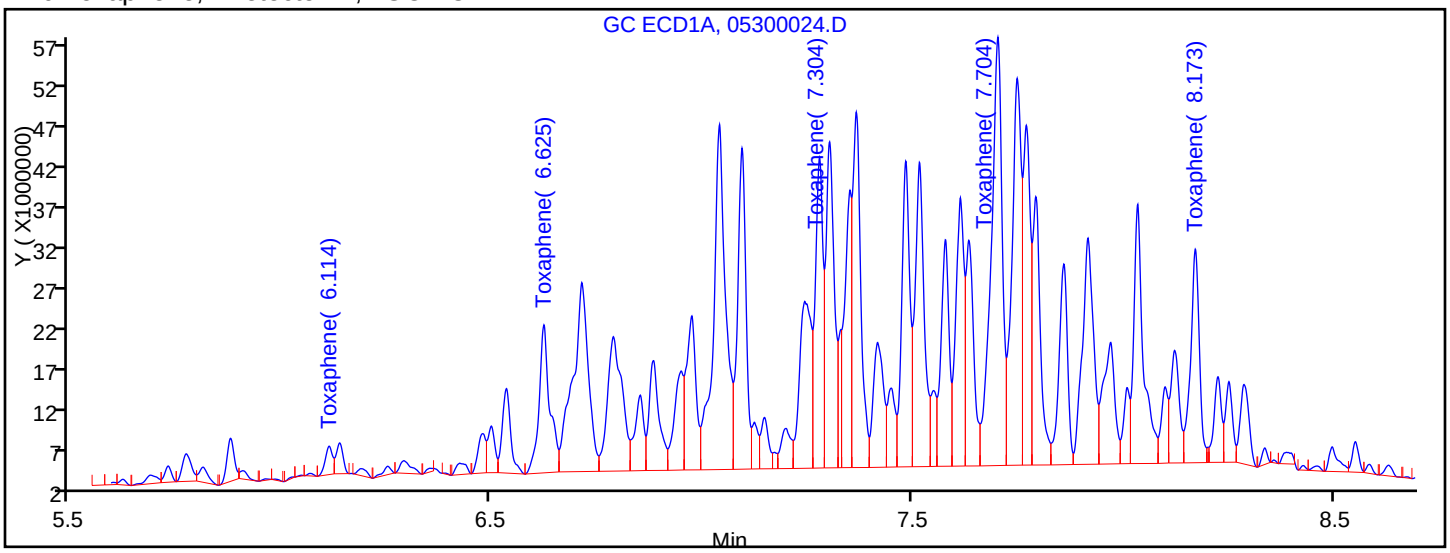
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TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130530-12103.b\05300024.D

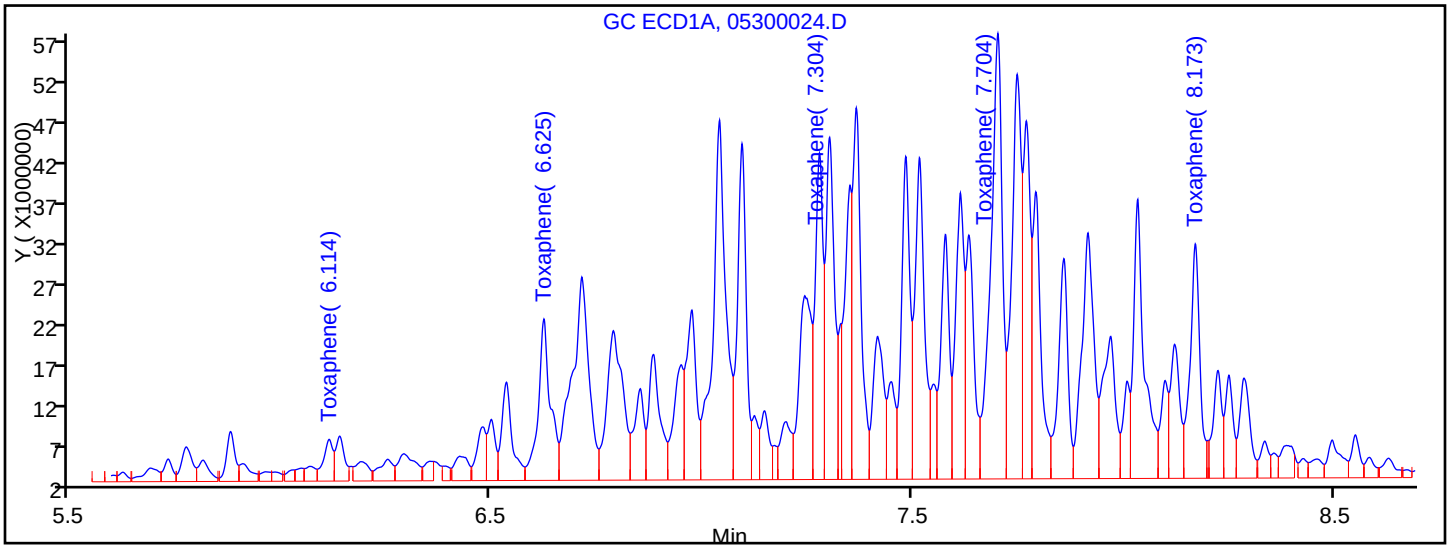
Injection Date:	30-May-2013 20:35:22	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176496	Lims Sample ID:	24
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.114	Response = 4188368	M
RT = 6.625	Response = 32179631	M
RT = 7.304	Response = 55290554	M
RT = 7.704	Response = 96462503	M
RT = 8.173	Response = 38448724	M



Manual Integration Results

RT = 6.114	Response = 8066176	M
RT = 6.625	Response = 40825486	M
RT = 7.304	Response = 59766639	M
RT = 7.704	Response = 105832619	M
RT = 8.173	Response = 47610014	M

Reviewer: wellsd, 31-May-2013 07:15:45

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-174025/1-A

Matrix: Water | Lab File ID: 05150018.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/13/2013 17:20

Sample wt/vol: 1000(mL) | Date Analyzed: 05/15/2013 16:16

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174317 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.010	U	0.050	0.010	0.0077
72-55-9	4,4'-DDE	0.010	U	0.050	0.010	0.0075
50-29-3	4,4'-DDT	0.020	U	0.050	0.020	0.015
309-00-2	Aldrin	0.010	U	0.050	0.010	0.0059
319-84-6	alpha-BHC	0.010	U	0.050	0.010	0.0053
5103-71-9	alpha-Chlordane	0.010	U	0.050	0.010	0.0053
319-85-7	beta-BHC	0.010	U	0.050	0.010	0.0087
319-86-8	delta-BHC	0.010	U	0.050	0.010	0.0058
60-57-1	Dieldrin	0.010	U	0.050	0.010	0.0063
959-98-8	Endosulfan I	0.010	U	0.050	0.010	0.0058
33213-65-9	Endosulfan II	0.010	U	0.050	0.010	0.0070
1031-07-8	Endosulfan sulfate	0.010	U	0.050	0.010	0.0057
72-20-8	Endrin	0.010	U	0.050	0.010	0.0079
7421-93-4	Endrin aldehyde	0.010	U	0.050	0.010	0.0088
53494-70-5	Endrin ketone	0.010	U	0.050	0.010	0.0070
58-89-9	gamma-BHC (Lindane)	0.010	U	0.050	0.010	0.0069
5103-74-2	gamma-Chlordane	0.010	U	0.050	0.010	0.0091
76-44-8	Heptachlor	0.010	U	0.050	0.010	0.0077
1024-57-3	Heptachlor epoxide	0.010	U	0.050	0.010	0.0075
72-43-5	Methoxychlor	0.020	U	0.10	0.020	0.013
8001-35-2	Toxaphene	0.80	U	2.5	0.80	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	128		30-135
877-09-8	Tetrachloro-m-xylene	48		25-140

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150018.D
Lims ID: MB 280-174025/1-A Client ID:
Inject. Date: 15-May-2013 16:16:39 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB 280-174025/1-
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 174317 Lims Sample ID: 18
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\8081 P1.m
Last Update: 16-May-2013 06:55:42 Calib Date: 15-May-2013 13:25:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150011.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									7
1	100		1.000						
2	2		1.000						
$ 7 Tetrachloro-m-xylene									
1	100	3.941	3.941	0.000	25557421	9.54			
2	2	3.708	3.707	0.001	42128320	8.59			
						RPD = 10.40			
8 Hexachlorobenzene									
1	100		4.352						
2	2		4.183						
9 Diallate									1
1	100		4.377						
2	2		4.142						
10 alpha-BHC									1
1	-65		4.523						
2	2		4.330						
11 gamma-BHC (Lindane)									1
1	-65		4.813						
2	2		4.645						
3 2,4,5-Trichlorophenol									
1	1		4.871						
2	2		4.718						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									1
1	100		4.890						
2	2		4.721						
13 delta-BHC									
1	100		5.039						
2	2		4.954						
14 Technical Chlordane									1
1	100		5.151						
1	2		5.624						
1	3		6.239						
1	4		6.378						
1	5		7.152						
2	6		4.889						
2	7		5.393						
2	8		5.961						
2	9		6.117						
2	10		7.014						
15 Heptachlor									1
1	100		5.219						
2	2		4.995						
16 Aldrin									
1	-65		5.492						
2	2		5.250						
20 Toxaphene									1
1	-65		5.667						
1	-65		6.352						
1	-65		6.859						
1	-65		7.534						
1	-65		7.937						
2	6		5.339						
2	7		5.619						
2	8		6.540						
2	9		7.044						
2	10		7.773						
17 Chlorpyrifos									1
1	100		5.723						
2	2		5.468						
18 Isodrin									1
1	100		5.819						
2	2		5.592						
19 Dicofol									1
1	100		5.857						
2	2		5.560						
21 2,4'-DDE									
1	100		6.092						
2	2		5.962						
22 Heptachlor epoxide									1
1	-65		6.107						
2	2		5.763						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									1
1	-65		6.239						
2	2		5.950						
24 alpha-Chlordane									1
1	-65		6.377						
2	2		6.105						
25 4,4'-DDE									1
1	-65		6.452						
2	2		6.287						
26 Endosulfan I									1
1	100		6.520						
2	2		6.162						
27 2,4'-DDD									1
1	100		6.629						
2	2		6.493						
28 Dieldrin									1
1	100		6.764						
2	2		6.444						
29 2,4'-DDT									1
1	100		6.885						
2	2		6.799						
30 Endrin									1
1	-65		6.998						
2	2		6.749						
31 Kepone									
1	100		7.040						
2	2		6.860						
32 4,4'-DDD									1
1	100		7.054						
2	2		6.871						
33 Chlorobenzilate									1
1	100		7.066						
2	2		6.752						
34 Endosulfan II									1
1	100		7.217						
2	2		6.960						
35 4,4'-DDT									1
1	-65		7.326						
2	2		7.176						
36 Endrin aldehyde									
1	-65	7.619	7.620	-0.001	101346	-0.7534			7
2	2	7.289	7.290	-0.001	105651	-0.6023			7
						RPD = -22.29			
LOD = 0.002000									
37 Methoxychlor									1
1	-65		7.779						
2	2		7.827						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
38 Mirex									1
1	100		7.932						
2	2		7.996						
39 Endosulfan sulfate									1
1	-65		8.029						
2	2		7.553						
40 Endrin ketone									1
1	-65		8.288						
2	2		8.040						
$ 41 DCB Decachlorobiphenyl									
1	1	9.209	9.210	-0.001	54694984	25.6			
2	2	9.158	9.159	-0.001	41764387	21.6			
						RPD = 17.16			
42 Tris(2,3-dibromopropyl)phosphate									1
1	1		10.979						
2	2		10.783						

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

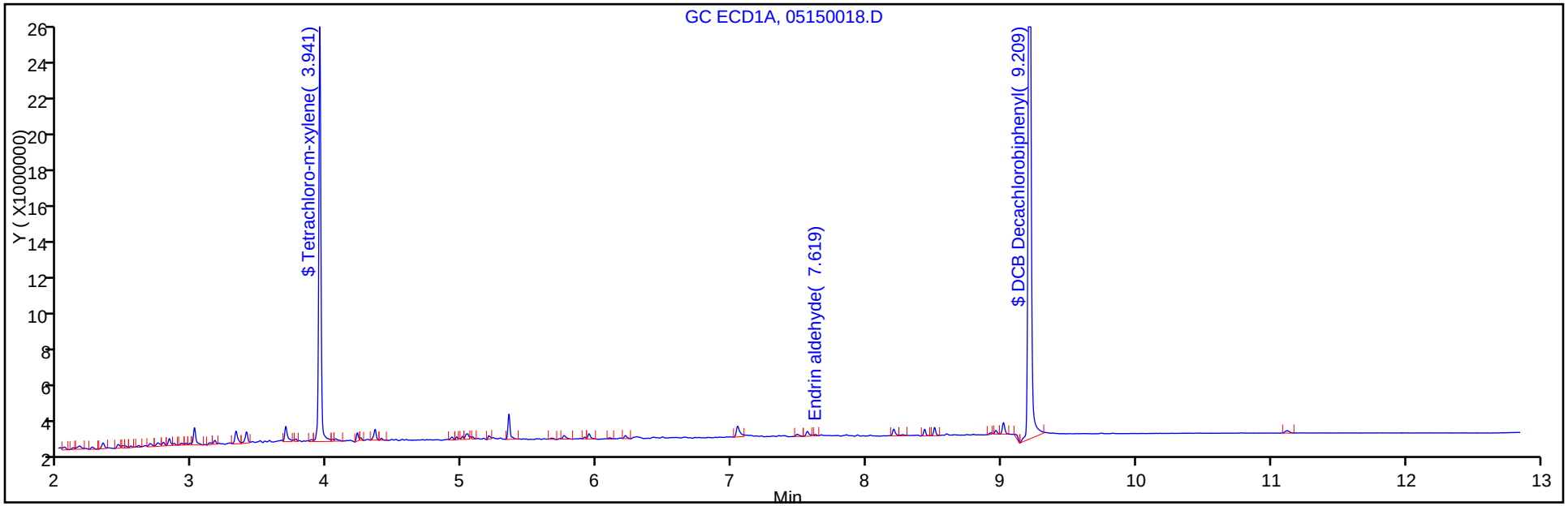
Report Date: 16-May-2013 06:55:45 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

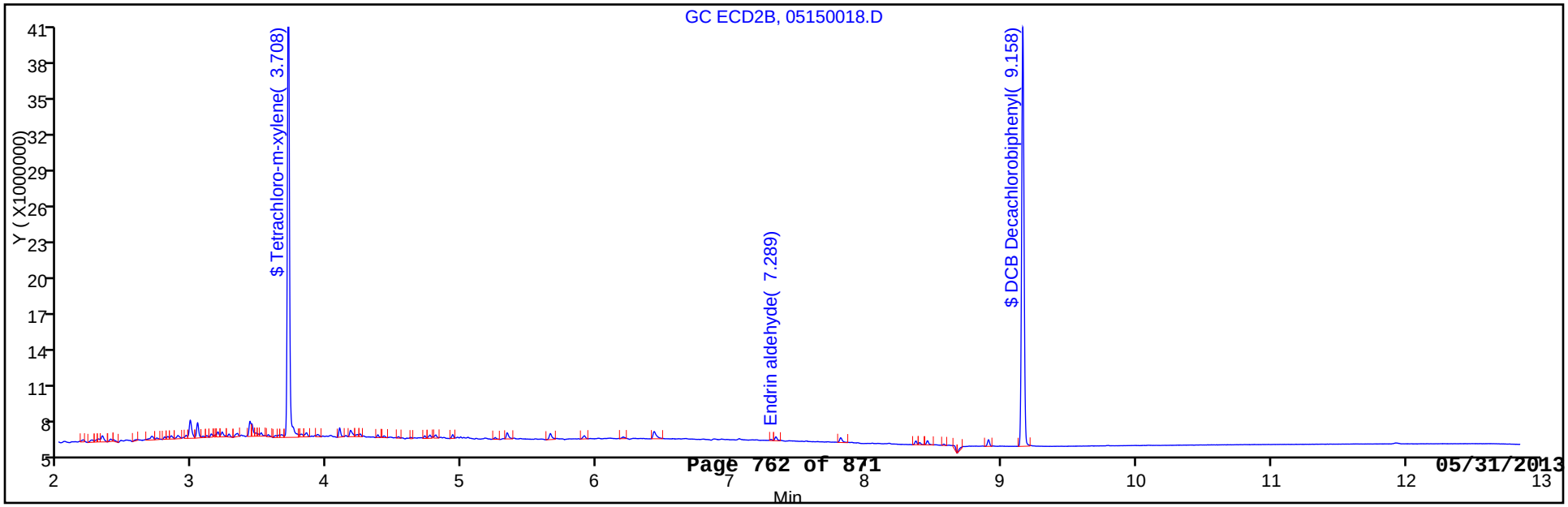
Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150018.D

Injection Date:	15-May-2013 16:16:39	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	18
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-174025/1-A

Matrix: Water Lab File ID: 05150018.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 05/13/2013 17:20

Sample wt/vol: 1000(mL) Date Analyzed: 05/15/2013 16:16

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 174317 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	108		30-135
877-09-8	Tetrachloro-m-xylene	43		25-140

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150018.D
Lims ID: MB 280-174025/1-A Client ID:
Inject. Date: 15-May-2013 16:16:39 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB 280-174025/1-
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 174317 Lims Sample ID: 18
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\8081 P1.m
Last Update: 16-May-2013 06:55:42 Calib Date: 15-May-2013 13:25:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150011.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									7
1	100		1.000						
2	2		1.000						
$ 7 Tetrachloro-m-xylene									
1	100	3.941	3.941	0.000	25557421	9.54			
2	2	3.708	3.707	0.001	42128320	8.59			
						RPD = 10.40			
8 Hexachlorobenzene									
1	100		4.352						
2	2		4.183						
9 Diallate									1
1	100		4.377						
2	2		4.142						
10 alpha-BHC									1
1	-65		4.523						
2	2		4.330						
11 gamma-BHC (Lindane)									1
1	-65		4.813						
2	2		4.645						
3 2,4,5-Trichlorophenol									
1	1		4.871						
2	2		4.718						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
12 beta-BHC									1
1	100		4.890						
2	2		4.721						
13 delta-BHC									
1	100		5.039						
2	2		4.954						
14 Technical Chlordane									1
1	100		5.151						
1	2		5.624						
1	3		6.239						
1	4		6.378						
1	5		7.152						
2	6		4.889						
2	7		5.393						
2	8		5.961						
2	9		6.117						
2	10		7.014						
15 Heptachlor									1
1	100		5.219						
2	2		4.995						
16 Aldrin									
1	-65		5.492						
2	2		5.250						
20 Toxaphene									1
1	-65		5.667						
1	-65		6.352						
1	-65		6.859						
1	-65		7.534						
1	-65		7.937						
2	6		5.339						
2	7		5.619						
2	8		6.540						
2	9		7.044						
2	10		7.773						
17 Chlorpyrifos									1
1	100		5.723						
2	2		5.468						
18 Isodrin									1
1	100		5.819						
2	2		5.592						
19 Dicofol									1
1	100		5.857						
2	2		5.560						
21 2,4'-DDE									
1	100		6.092						
2	2		5.962						
22 Heptachlor epoxide									1
1	-65		6.107						
2	2		5.763						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									1
1	-65		6.239						
2	2		5.950						
24 alpha-Chlordane									1
1	-65		6.377						
2	2		6.105						
25 4,4'-DDE									1
1	-65		6.452						
2	2		6.287						
26 Endosulfan I									1
1	100		6.520						
2	2		6.162						
27 2,4'-DDD									1
1	100		6.629						
2	2		6.493						
28 Dieldrin									1
1	100		6.764						
2	2		6.444						
29 2,4'-DDT									1
1	100		6.885						
2	2		6.799						
30 Endrin									1
1	-65		6.998						
2	2		6.749						
31 Kepone									
1	100		7.040						
2	2		6.860						
32 4,4'-DDD									1
1	100		7.054						
2	2		6.871						
33 Chlorobenzilate									1
1	100		7.066						
2	2		6.752						
34 Endosulfan II									1
1	100		7.217						
2	2		6.960						
35 4,4'-DDT									1
1	-65		7.326						
2	2		7.176						
36 Endrin aldehyde									
1	-65	7.619	7.620	-0.001	101346	-0.7534			7
2	2	7.289	7.290	-0.001	105651	-0.6023			7
						RPD = -22.29			
LOD = 0.002000									
37 Methoxychlor									1
1	-65		7.779						
2	2		7.827						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
38 Mirex									1
1	100		7.932						
2	2		7.996						
39 Endosulfan sulfate									1
1	-65		8.029						
2	2		7.553						
40 Endrin ketone									1
1	-65		8.288						
2	2		8.040						
$ 41 DCB Decachlorobiphenyl									
1	1	9.209	9.210	-0.001	54694984	25.6			
2	2	9.158	9.159	-0.001	41764387	21.6			
						RPD = 17.16			
42 Tris(2,3-dibromopropyl)phosphate									1
1	1		10.979						
2	2		10.783						

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

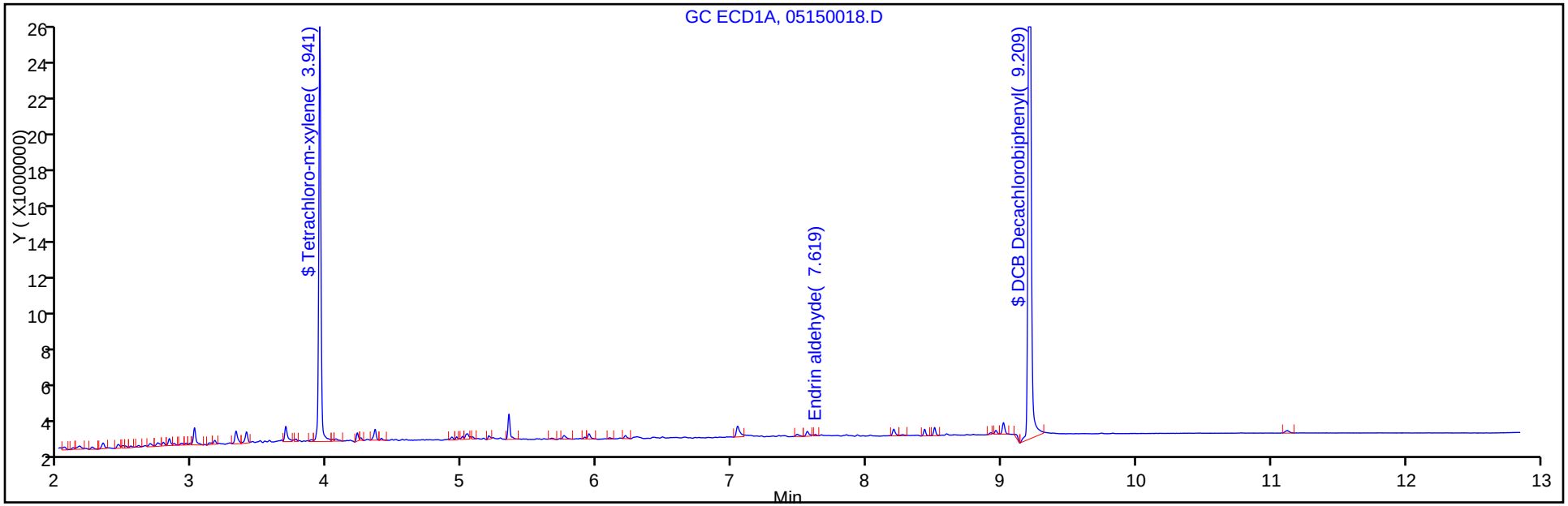
Report Date: 16-May-2013 06:55:45 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

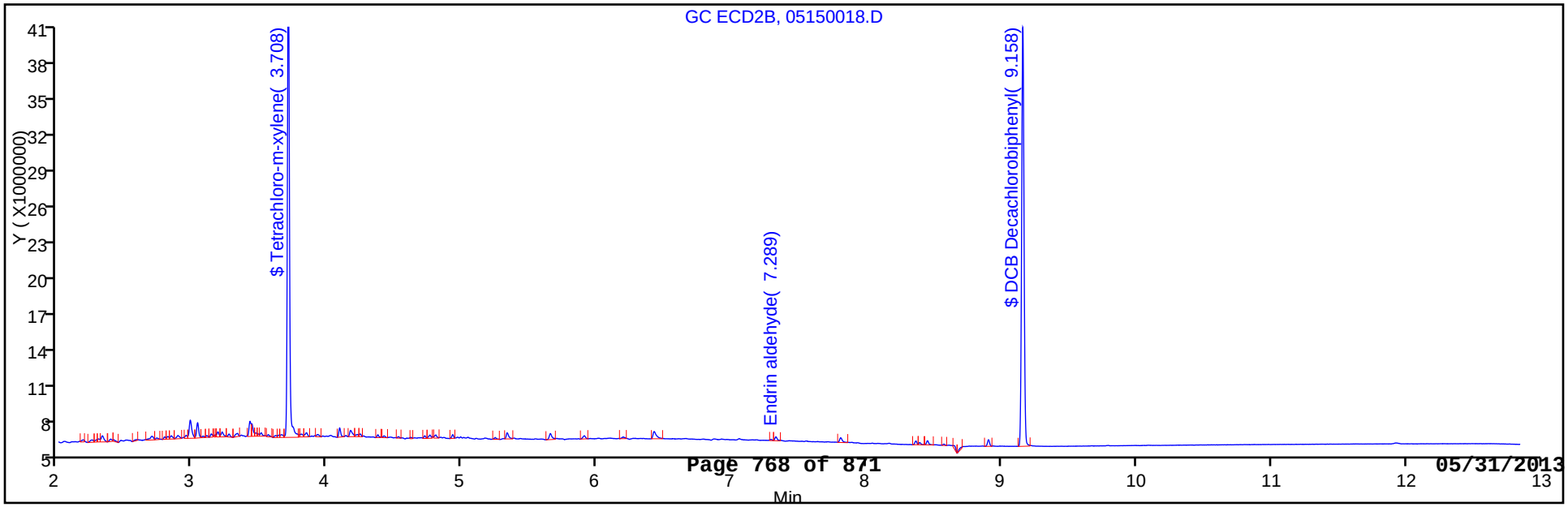
Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150018.D

Injection Date:	15-May-2013 16:16:39	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	18
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-174346/1-A

Matrix: Solid | Lab File ID: 05290014.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.7(g) | Date Analyzed: 05/29/2013 17:17

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.65	U	1.6	0.65	0.52
72-55-9	4,4'-DDE	0.44	U	1.6	0.44	0.23
50-29-3	4,4'-DDT	0.65	U	1.9	0.65	0.56
309-00-2	Aldrin	0.44	U	1.6	0.44	0.24
319-84-6	alpha-BHC	0.44	U	1.6	0.44	0.20
5103-71-9	alpha-Chlordane	0.44	U	1.6	0.44	0.31
319-85-7	beta-BHC	0.65	U	1.6	0.65	0.63
319-86-8	delta-BHC	0.65	U	1.6	0.65	0.38
60-57-1	Dieldrin	0.44	U	1.6	0.44	0.20
959-98-8	Endosulfan I	0.44	U	1.6	0.44	0.17
33213-65-9	Endosulfan II	0.44	U	1.6	0.44	0.27
1031-07-8	Endosulfan sulfate	0.44	U	1.6	0.44	0.26
72-20-8	Endrin	0.44	U	1.6	0.44	0.29
7421-93-4	Endrin aldehyde	0.44	U	1.6	0.44	0.16
53494-70-5	Endrin ketone	0.65	U	1.6	0.65	0.46
58-89-9	gamma-BHC (Lindane)	0.65	U	1.6	0.65	0.44
5103-74-2	gamma-Chlordane	0.65	U	1.6	0.65	0.25
76-44-8	Heptachlor	0.44	U	1.6	0.44	0.20
1024-57-3	Heptachlor epoxide	0.65	U	1.6	0.65	0.40
72-43-5	Methoxychlor	0.65	U	3.1	0.65	0.43
8001-35-2	Toxaphene	26	U	160	26	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	89		55-130
877-09-8	Tetrachloro-m-xylene	78		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290014.D
Lims ID: MB 280-174346/1-A Client ID:
Inject. Date: 29-May-2013 17:17:15 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB 280-174346/1-
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 176329 Lims Sample ID: 14
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:30 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									7
1	100		1.000						
2	2		1.000						
$ 7 Tetrachloro-m-xylene									
1	100	3.768	3.767	0.001	18853679	15.6			
2	2	3.845	3.845	0.000	21487010	15.7			
						RPD = 0.87			
8 Hexachlorobenzene									
1	100		4.178						
2	2		4.325						
9 Diallate									
1	100		4.212						
2	2		4.276						
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
3 2,4,5-Trichlorophenol									
1	1	4.834	4.853	-0.019	124414	0			
2	2	4.758	4.757	0.001	358909	0			
						RPD = 0.00			
13 delta-BHC									
1	100		4.864						
2	2		5.093						
14 Technical Chlordane									1
1	100		4.990						
1	2		5.435						
1	3		6.025						
1	4		6.165						
1	5		6.940						
2	6		5.044						
2	7		5.585						
2	8		6.207						
2	9		6.360						
2	10		7.258						
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									
1	-65		5.291						
2	2		5.413						
17 Chlorpyrifos									
1	100		5.519						
2	2		5.640						
18 Isodrin									1
1	100		5.597						
2	2		5.787						
19 Dicofol									
1	100		5.643						
2	2		5.748						
21 2,4'-DDE									1
1	100		5.865						
2	2		6.184						
22 Heptachlor epoxide									
1	-65		5.867						
2	2		5.971						
23 gamma-Chlordane									1
1	-65		5.999						
2	2		6.171						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									1
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									1
1	-65		6.143						
2	2		6.325						
25 4,4'-DDE									
1	-65		6.225						
2	2		6.502						
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
27 2,4'-DDD									1
1	100		6.406						
2	2		6.713						
28 Dieldrin									
1	100		6.528						
2	2		6.665						
29 2,4'-DDT									1
1	100		6.664						
2	2		7.017						
30 Endrin									1
1	-65		6.761						
2	2		6.971						
31 Kepone									
1	100		6.811						
2	2		7.085						
32 4,4'-DDD									1
1	100		6.827						
2	2		7.083						
33 Chlorobenzilate									1
1	100		6.848						
2	2		6.962						
34 Endosulfan II									1
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									
1	-65		7.101						
2	2		7.384						
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
37 Methoxychlor									
1	-65		7.562						
2	2		8.031						
38 Mirex									
1	100		7.702						
2	2		8.217						
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.962	8.962	0.000	14253394	17.9			
2	2	9.415	9.417	-0.002	12987030	17.3			
						RPD = 3.16			
42 Tris(2,3-dibromopropyl)phosphate									1
1	1		10.602						
2	2		11.260						

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

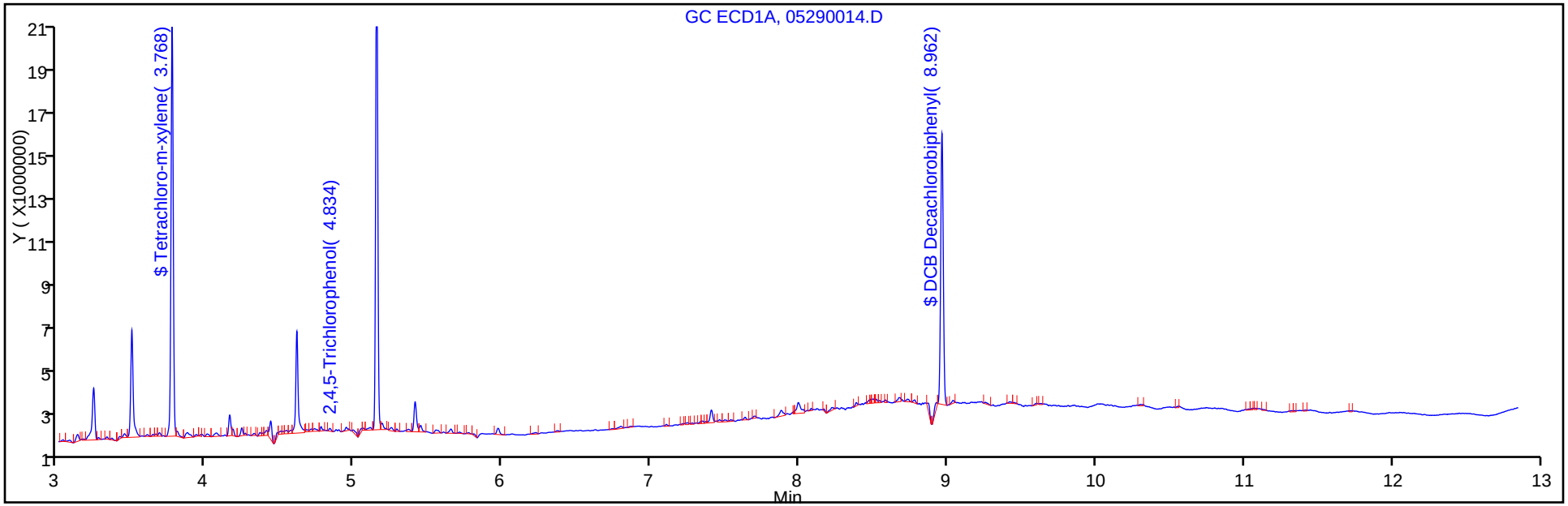
Report Date: 30-May-2013 07:32:36 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

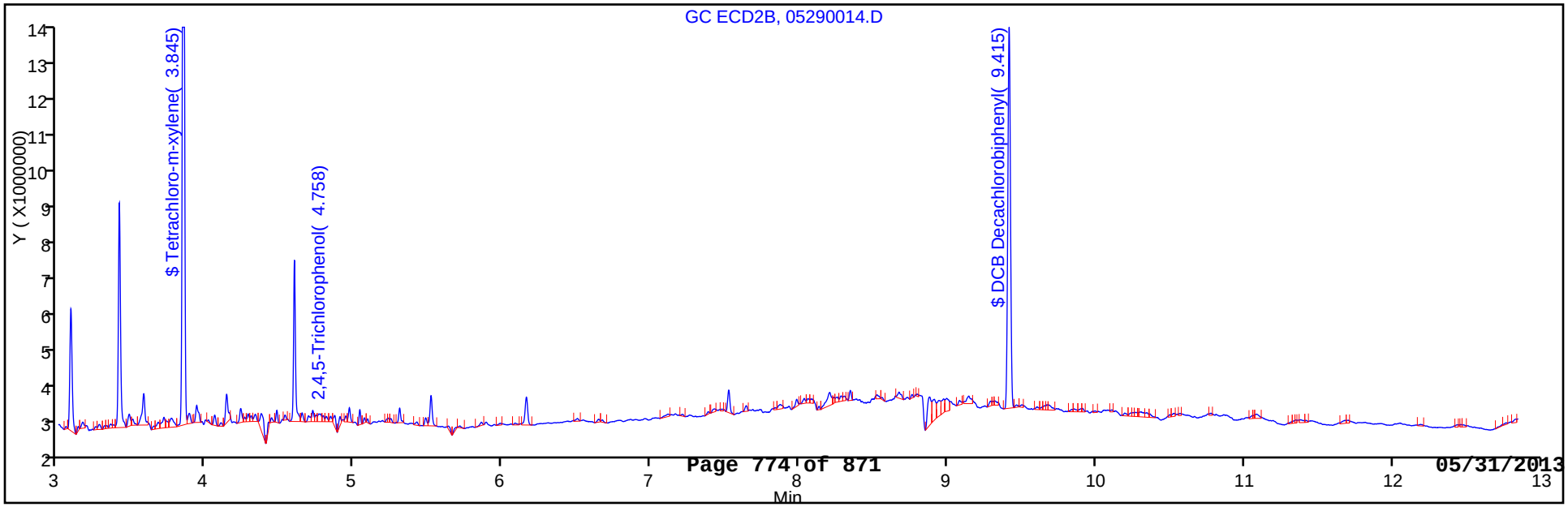
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290014.D

Injection Date:	29-May-2013 17:17:15	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	14
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-174346/1-A

Matrix: Solid Lab File ID: 05290014.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3546 Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.7(g) Date Analyzed: 05/29/2013 17:17

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	87		55-130
877-09-8	Tetrachloro-m-xylene	79		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290014.D
Lims ID: MB 280-174346/1-A Client ID:
Inject. Date: 29-May-2013 17:17:15 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB 280-174346/1-
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 176329 Lims Sample ID: 14
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:30 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
S 6 Chlordane (technical)									7
1	100		1.000						
2	2		1.000						
$ 7 Tetrachloro-m-xylene									
1	100	3.768	3.767	0.001	18853679	15.6			
2	2	3.845	3.845	0.000	21487010	15.7			
						RPD = 0.87			
8 Hexachlorobenzene									
1	100		4.178						
2	2		4.325						
9 Diallate									
1	100		4.212						
2	2		4.276						
10 alpha-BHC									
1	-65		4.346						
2	2		4.470						
11 gamma-BHC (Lindane)									
1	-65		4.637						
2	2		4.784						
12 beta-BHC									
1	100		4.716						
2	2		4.857						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
3 2,4,5-Trichlorophenol									
1	1	4.834	4.853	-0.019	124414	0			
2	2	4.758	4.757	0.001	358909	0			
						RPD = 0.00			
13 delta-BHC									
1	100		4.864						
2	2		5.093						
14 Technical Chlordane									1
1	100		4.990						
1	2		5.435						
1	3		6.025						
1	4		6.165						
1	5		6.940						
2	6		5.044						
2	7		5.585						
2	8		6.207						
2	9		6.360						
2	10		7.258						
15 Heptachlor									
1	100		5.038						
2	2		5.136						
16 Aldrin									
1	-65		5.291						
2	2		5.413						
17 Chlorpyrifos									
1	100		5.519						
2	2		5.640						
18 Isodrin									1
1	100		5.597						
2	2		5.787						
19 Dicofol									
1	100		5.643						
2	2		5.748						
21 2,4'-DDE									1
1	100		5.865						
2	2		6.184						
22 Heptachlor epoxide									
1	-65		5.867						
2	2		5.971						
23 gamma-Chlordane									1
1	-65		5.999						
2	2		6.171						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									1
1	-65		6.120						
1	-65		6.630						
1	-65		7.310						
1	-65		7.709						
1	-65		8.178						
2	6		6.650						
2	7		6.918						
2	8		7.267						
2	9		7.516						
2	10		8.350						
24 alpha-Chlordane									1
1	-65		6.143						
2	2		6.325						
25 4,4'-DDE									
1	-65		6.225						
2	2		6.502						
26 Endosulfan I									1
1	100		6.284						
2	2		6.384						
27 2,4'-DDD									1
1	100		6.406						
2	2		6.713						
28 Dieldrin									
1	100		6.528						
2	2		6.665						
29 2,4'-DDT									1
1	100		6.664						
2	2		7.017						
30 Endrin									1
1	-65		6.761						
2	2		6.971						
31 Kepone									
1	100		6.811						
2	2		7.085						
32 4,4'-DDD									1
1	100		6.827						
2	2		7.083						
33 Chlorobenzilate									1
1	100		6.848						
2	2		6.962						
34 Endosulfan II									1
1	100		6.980						
2	2		7.178						
35 4,4'-DDT									
1	-65		7.101						
2	2		7.384						
36 Endrin aldehyde									1
1	-65		7.384						
2	2		7.505						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
37 Methoxychlor									
1	-65		7.562						
2	2		8.031						
38 Mirex									
1	100		7.702						
2	2		8.217						
39 Endosulfan sulfate									1
1	-65		7.792						
2	2		7.763						
40 Endrin ketone									
1	-65		8.052						
2	2		8.256						
$ 41 DCB Decachlorobiphenyl									
1	1	8.962	8.962	0.000	14253394	17.9			
2	2	9.415	9.417	-0.002	12987030	17.3			
						RPD = 3.16			
42 Tris(2,3-dibromopropyl)phosphate									1
1	1		10.602						
2	2		11.260						

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

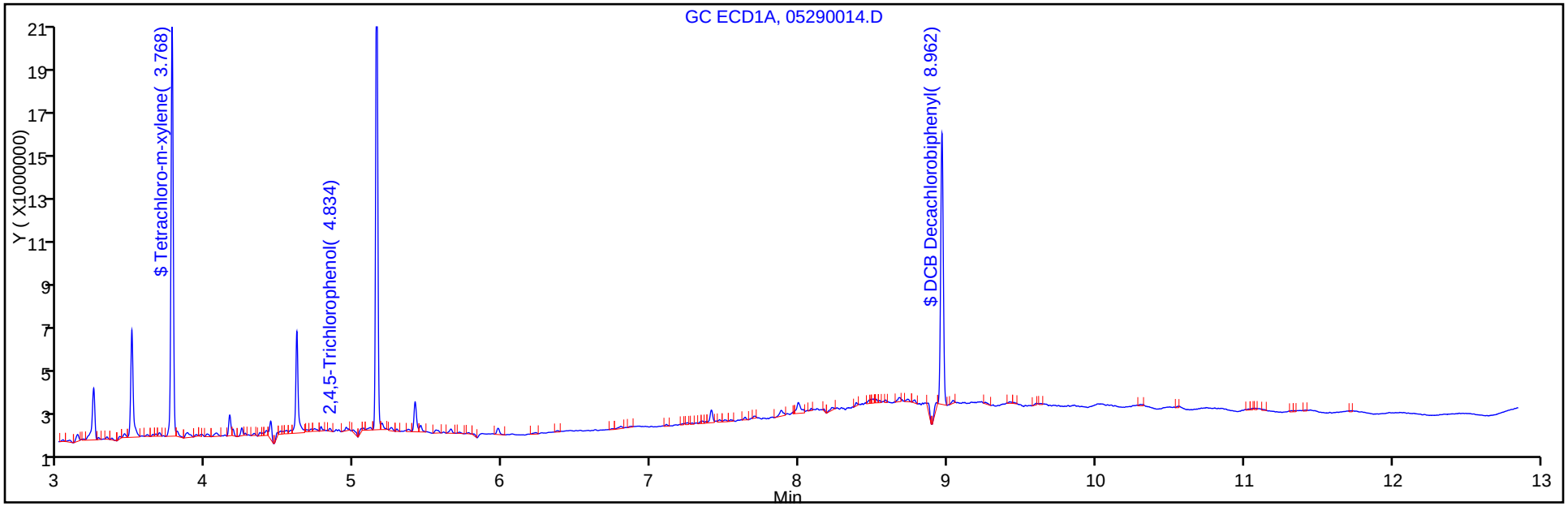
Report Date: 30-May-2013 07:32:36 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

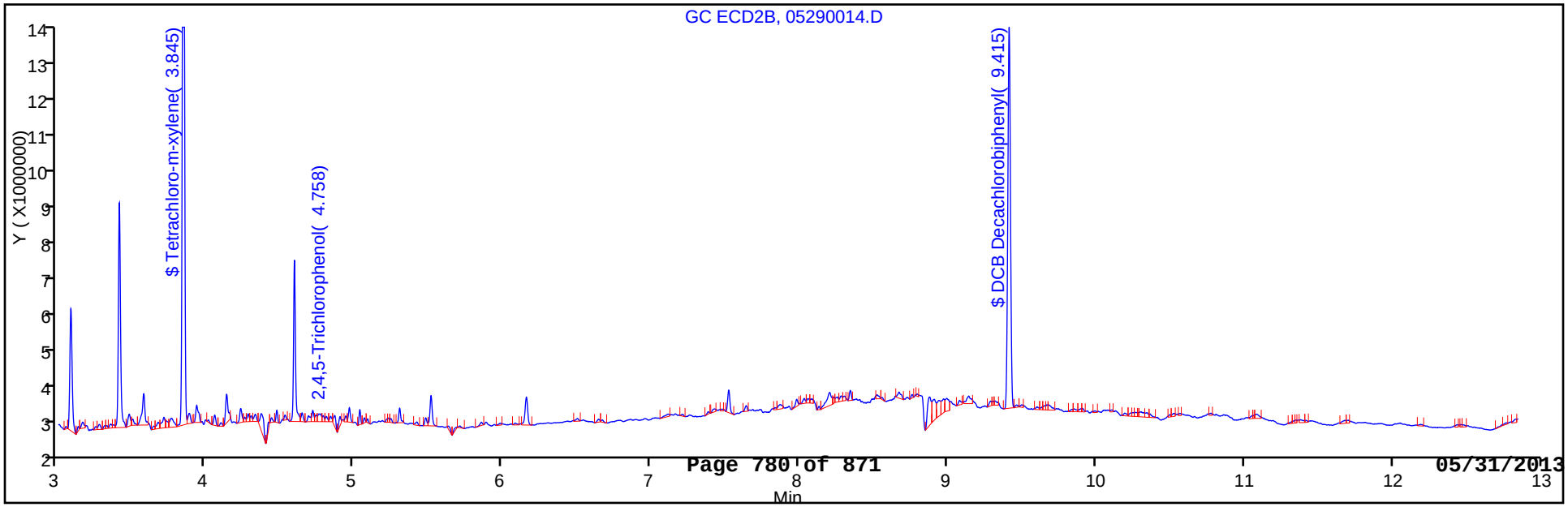
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290014.D

Injection Date:	29-May-2013 17:17:15	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	14
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-174025/2-A

Matrix: Water | Lab File ID: 05150020.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/13/2013 17:20

Sample wt/vol: 1000(mL) | Date Analyzed: 05/15/2013 16:51

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174317 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.615		0.050	0.010	0.0077
72-55-9	4,4'-DDE	0.516		0.050	0.010	0.0075
50-29-3	4,4'-DDT	0.560		0.050	0.020	0.015
309-00-2	Aldrin	0.339		0.050	0.010	0.0059
319-84-6	alpha-BHC	0.547		0.050	0.010	0.0053
5103-71-9	alpha-Chlordane	0.533		0.050	0.010	0.0053
319-85-7	beta-BHC	0.513		0.050	0.010	0.0087
319-86-8	delta-BHC	0.553		0.050	0.010	0.0058
60-57-1	Dieldrin	0.599		0.050	0.010	0.0063
33213-65-9	Endosulfan II	0.605		0.050	0.010	0.0070
1031-07-8	Endosulfan sulfate	0.590		0.050	0.010	0.0057
72-20-8	Endrin	0.655		0.050	0.010	0.0079
7421-93-4	Endrin aldehyde	0.554		0.050	0.010	0.0088
53494-70-5	Endrin ketone	0.568		0.050	0.010	0.0070
58-89-9	gamma-BHC (Lindane)	0.558		0.050	0.010	0.0069
5103-74-2	gamma-Chlordane	0.511		0.050	0.010	0.0091
76-44-8	Heptachlor	0.383		0.050	0.010	0.0077
1024-57-3	Heptachlor epoxide	0.570		0.050	0.010	0.0075
72-43-5	Methoxychlor	0.586		0.10	0.020	0.013

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	126		30-135
877-09-8	Tetrachloro-m-xylene	60		25-140

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150020.D
Lims ID: LCS 280-174025/2-A Client ID:
Inject. Date: 15-May-2013 16:51:43 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 280-174025/2
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 174317 Lims Sample ID: 20
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\8081 P1.m
Last Update: 16-May-2013 06:55:42 Calib Date: 15-May-2013 13:25:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150011.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.942	3.941	0.001	32153685	12.1			
2	2	3.708	3.707	0.001	53200428	11.0			
						RPD = 9.84			
10 alpha-BHC									
1	-65	4.523	4.523	0.000	212220195	54.7			
2	2	4.331	4.330	0.001	275635395	48.6			
						RPD = 11.69			
11 gamma-BHC (Lindane)									
1	-65	4.813	4.813	0.000	195649004	55.8			
2	2	4.645	4.645	0.000	218292889	48.4			
						RPD = 14.27			
12 beta-BHC									
1	100	4.890	4.890	0.000	74662918	51.3			
2	2	4.721	4.721	0.000	81113491	45.0			
						RPD = 12.98			
13 delta-BHC									
1	100	5.039	5.039	0.000	203533394	55.3			
2	2	4.955	4.954	0.001	213279538	49.4			
						RPD = 11.38			
15 Heptachlor									
1	100	5.220	5.219	0.001	129111534	38.3			
2	2	4.996	4.995	0.001	110130082	29.6			
						RPD = 25.36			
16 Aldrin									
1	-65	5.492	5.492	0.000	122506731	33.9			
2	2	5.251	5.250	0.001	113965127	29.0			
						RPD = 15.44			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
22 Heptachlor epoxide									
1	-65	6.107	6.107	0.000	186332309	57.0			
2	2	5.763	5.763	0.000	156234627	48.8			
						RPD = 15.56			
23 gamma-Chlordane									
1	-65	6.238	6.239	-0.001	178916134	51.1			
2	2	5.951	5.950	0.001	145680642	42.7			
						RPD = 17.78			
24 alpha-Chlordane									
1	-65	6.377	6.377	0.000	181855566	53.3			
2	2	6.106	6.105	0.001	147460416	44.7			
						RPD = 17.63			
25 4,4'-DDE									
1	-65	6.452	6.452	0.000	178584355	51.6			
2	2	6.287	6.287	0.000	153804906	45.3			
						RPD = 13.09			
26 Endosulfan I									
1	100	6.520	6.520	0.000	182004283	58.2			
2	2	6.163	6.162	0.001	144978554	48.9			
						RPD = 17.45			
28 Dieldrin									
1	100	6.764	6.764	0.000	208315949	59.9			
2	2	6.444	6.444	0.000	164695485	50.4			
						RPD = 17.15			
30 Endrin									
1	-65	6.998	6.998	0.000	185408142	65.5			
2	2	6.750	6.749	0.001	138255864	55.5			
						RPD = 16.55			
32 4,4'-DDD									
1	100	7.053	7.054	-0.001	171226101	61.5			
2	2	6.871	6.871	0.000	118576052	48.5			
						RPD = 23.63			
34 Endosulfan II									
1	100	7.216	7.217	-0.001	178713634	60.5			
2	2	6.960	6.960	0.000	130289586	48.6			
						RPD = 21.90			
35 4,4'-DDT									
1	-65	7.325	7.326	-0.001	165446625	56.0			
2	2	7.176	7.176	0.000	98419471	41.8			
						RPD = 29.16			
36 Endrin aldehyde									
1	-65	7.620	7.620	0.000	137837219	55.4			
2	2	7.290	7.290	0.000	100733813	45.2			
						RPD = 20.23			
37 Methoxychlor									
1	-65	7.778	7.779	-0.001	83868780	58.6			
2	2	7.826	7.827	-0.001	46114028	41.5			
						RPD = 34.20			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65	8.027	8.029	-0.002	162794685	59.0			
2	2	7.552	7.553	-0.001	114976959	47.2			
						RPD = 22.40			
40 Endrin ketone									
1	-65	8.287	8.288	-0.001	178511852	56.8			
2	2	8.039	8.040	-0.001	113497146	43.1			
						RPD = 27.47			
$ 41 DCB Decachlorobiphenyl									
1	1	9.209	9.210	-0.001	53833563	25.2			
2	2	9.157	9.159	-0.002	41183527	21.3			
						RPD = 16.96			

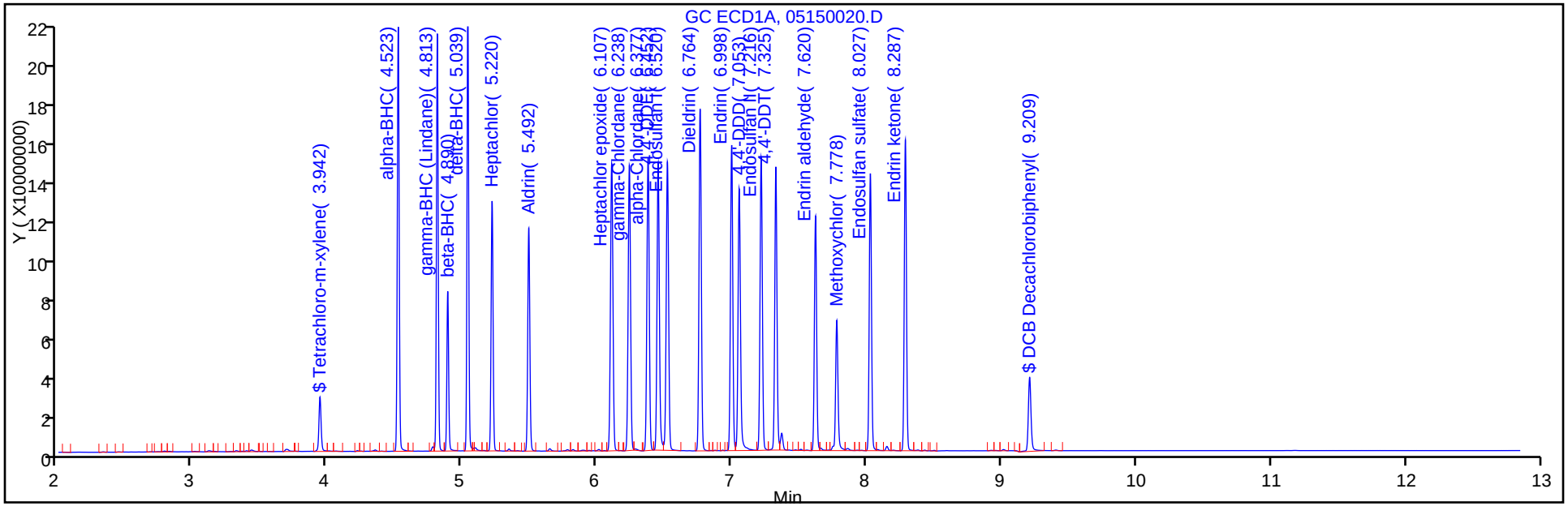
Report Date: 16-May-2013 06:55:48 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

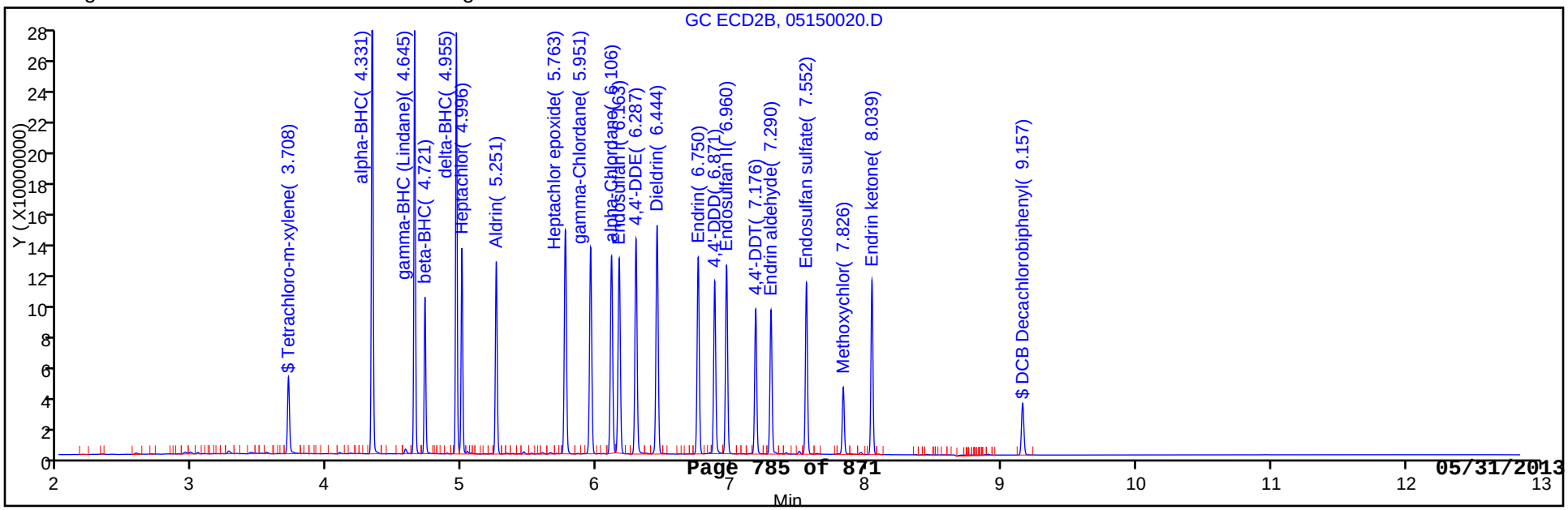
Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150020.D

Injection Date:	15-May-2013 16:51:43	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	20
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-174025/2-A

Matrix: Water | Lab File ID: 05150020.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/13/2013 17:20

Sample wt/vol: 1000(mL) | Date Analyzed: 05/15/2013 16:51

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174317 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
959-98-8	Endosulfan I	0.489		0.050	0.010	0.0058

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	106		30-135
877-09-8	Tetrachloro-m-xylene	55		25-140

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150020.D		
Lims ID:	LCS 280-174025/2-A	Client ID:	
Inject. Date:	15-May-2013 16:51:43	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS 280-174025/2		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P1
Injection Vol:	1.0 ul	ALS Bottle#:	12
Lims Batch ID:	174317	Lims Sample ID:	20
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P1\20130515-11633.b\8081 P1.m		
Last Update:	16-May-2013 06:55:42	Calib Date:	15-May-2013 13:25:22
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150011.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.942	3.941	0.001	32153685	12.1			
2	2	3.708	3.707	0.001	53200428	11.0			
						RPD = 9.84			
10 alpha-BHC									
1	-65	4.523	4.523	0.000	212220195	54.7			
2	2	4.331	4.330	0.001	275635395	48.6			
						RPD = 11.69			
11 gamma-BHC (Lindane)									
1	-65	4.813	4.813	0.000	195649004	55.8			
2	2	4.645	4.645	0.000	218292889	48.4			
						RPD = 14.27			
12 beta-BHC									
1	100	4.890	4.890	0.000	74662918	51.3			
2	2	4.721	4.721	0.000	81113491	45.0			
						RPD = 12.98			
13 delta-BHC									
1	100	5.039	5.039	0.000	203533394	55.3			
2	2	4.955	4.954	0.001	213279538	49.4			
						RPD = 11.38			
15 Heptachlor									
1	100	5.220	5.219	0.001	129111534	38.3			
2	2	4.996	4.995	0.001	110130082	29.6			
						RPD = 25.36			
16 Aldrin									
1	-65	5.492	5.492	0.000	122506731	33.9			
2	2	5.251	5.250	0.001	113965127	29.0			
						RPD = 15.44			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
22 Heptachlor epoxide									
1	-65	6.107	6.107	0.000	186332309	57.0			
2	2	5.763	5.763	0.000	156234627	48.8			
						RPD = 15.56			
23 gamma-Chlordane									
1	-65	6.238	6.239	-0.001	178916134	51.1			
2	2	5.951	5.950	0.001	145680642	42.7			
						RPD = 17.78			
24 alpha-Chlordane									
1	-65	6.377	6.377	0.000	181855566	53.3			
2	2	6.106	6.105	0.001	147460416	44.7			
						RPD = 17.63			
25 4,4'-DDE									
1	-65	6.452	6.452	0.000	178584355	51.6			
2	2	6.287	6.287	0.000	153804906	45.3			
						RPD = 13.09			
26 Endosulfan I									
1	100	6.520	6.520	0.000	182004283	58.2			
2	2	6.163	6.162	0.001	144978554	48.9			
						RPD = 17.45			
28 Dieldrin									
1	100	6.764	6.764	0.000	208315949	59.9			
2	2	6.444	6.444	0.000	164695485	50.4			
						RPD = 17.15			
30 Endrin									
1	-65	6.998	6.998	0.000	185408142	65.5			
2	2	6.750	6.749	0.001	138255864	55.5			
						RPD = 16.55			
32 4,4'-DDD									
1	100	7.053	7.054	-0.001	171226101	61.5			
2	2	6.871	6.871	0.000	118576052	48.5			
						RPD = 23.63			
34 Endosulfan II									
1	100	7.216	7.217	-0.001	178713634	60.5			
2	2	6.960	6.960	0.000	130289586	48.6			
						RPD = 21.90			
35 4,4'-DDT									
1	-65	7.325	7.326	-0.001	165446625	56.0			
2	2	7.176	7.176	0.000	98419471	41.8			
						RPD = 29.16			
36 Endrin aldehyde									
1	-65	7.620	7.620	0.000	137837219	55.4			
2	2	7.290	7.290	0.000	100733813	45.2			
						RPD = 20.23			
37 Methoxychlor									
1	-65	7.778	7.779	-0.001	83868780	58.6			
2	2	7.826	7.827	-0.001	46114028	41.5			
						RPD = 34.20			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65	8.027	8.029	-0.002	162794685	59.0			
2	2	7.552	7.553	-0.001	114976959	47.2			
						RPD = 22.40			
40 Endrin ketone									
1	-65	8.287	8.288	-0.001	178511852	56.8			
2	2	8.039	8.040	-0.001	113497146	43.1			
						RPD = 27.47			
$ 41 DCB Decachlorobiphenyl									
1	1	9.209	9.210	-0.001	53833563	25.2			
2	2	9.157	9.159	-0.002	41183527	21.3			
						RPD = 16.96			

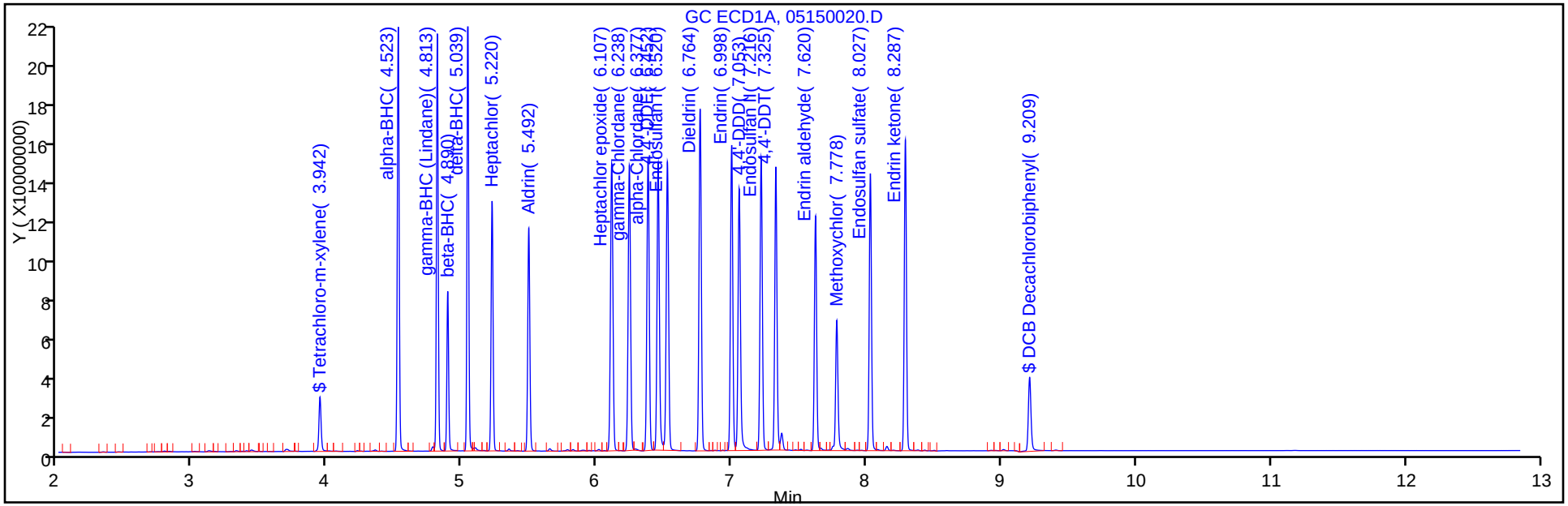
Report Date: 16-May-2013 06:55:49 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

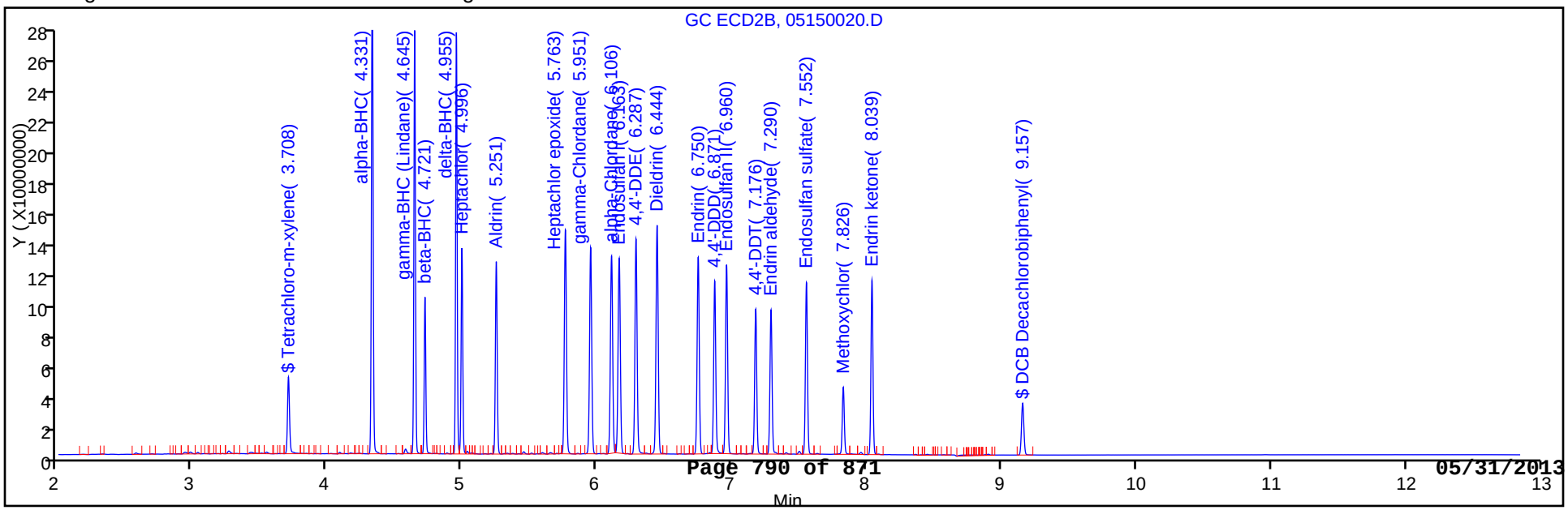
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Injection Date:	15-May-2013 16:51:43	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	20
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-174025/6-A

Matrix: Water | Lab File ID: 05150019.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/13/2013 17:20

Sample wt/vol: 1000(mL) | Date Analyzed: 05/15/2013 16:34

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174317 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	1.79	J	2.5	0.80	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	126		30-135
877-09-8	Tetrachloro-m-xylene	50		25-140

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150019.D
Lims ID: LCS 280-174025/6-A Client ID:
Inject. Date: 15-May-2013 16:34:09 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 280-174025/6
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 174317 Lims Sample ID: 19
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\8081 P1.m
Last Update: 16-May-2013 06:55:42 Calib Date: 15-May-2013 13:25:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150011.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd Date: 16-May-2013 06:54:35

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.942	3.941	0.001	26842948	10.0			
2	2	3.708	3.707	0.001	44919060	9.19			
						RPD = 8.79			
20 Toxaphene									M
1	-65	5.675	5.667	0.008	1044465	86.7		100.0	M
1	-65	6.353	6.352	0.001	3206512	78.3	382.1- 422.1	307.0	M
1	-65	6.859	6.859	0.000	12025940	155.6	776.5- 816.5	1151.4	M
1	-65	7.535	7.534	0.001	28500145	269.8	1226.9-1266.9	2728.7	M
1	-65	7.936	7.937	-0.001	37692267	302.4	1466.0-1506.0	3608.8	M
			Average of Peak Amounts =			178.5			
2	6	5.338	5.339	-0.001	1724429	98.5		100.0	M
2	7	5.619	5.619	0.000	2178396	94.7	140.0- 200.0	126.3	M
2	8	6.542	6.540	0.002	5812362	112.3	411.6- 471.6	337.1	M
2	9	7.043	7.044	-0.001	25020691	136.8	1853.2-1913.2	1451.0	M
2	10	7.772	7.773	-0.001	20649111	236.4	956.9-1016.9	1197.4	M
			Average of Peak Amounts =			135.8			
						RPD = 27.22			
$ 41 DCB Decachlorobiphenyl									
1	1	9.210	9.210	0.000	53602723	25.1			
2	2	9.158	9.159	-0.001	41731008	21.6			
						RPD = 15.16			

QC Flag Legend

Review Flags
M - Manually Integrated

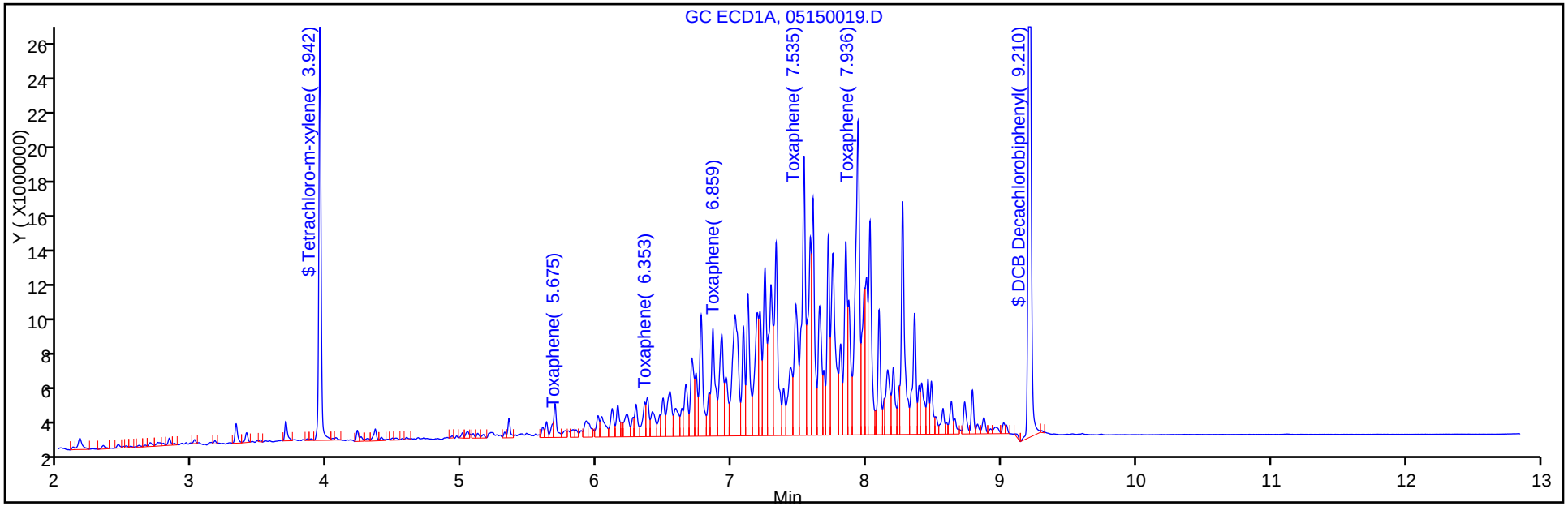
Report Date: 16-May-2013 06:55:46 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

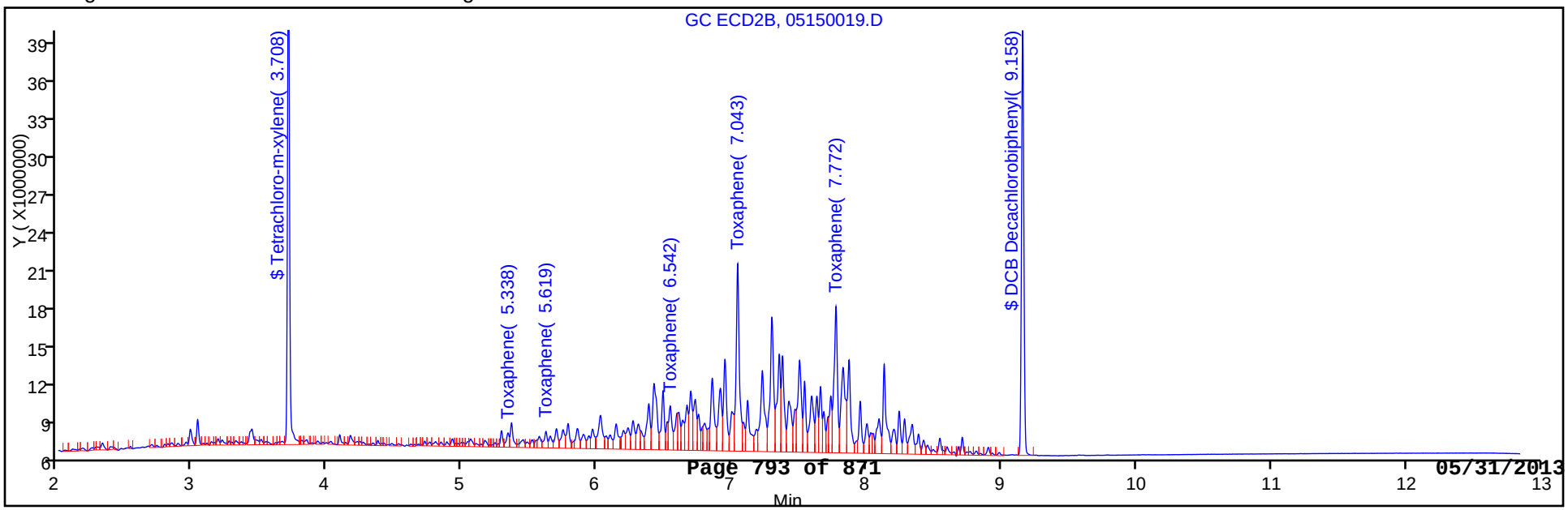
Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150019.D

Injection Date:	15-May-2013 16:34:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	19
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



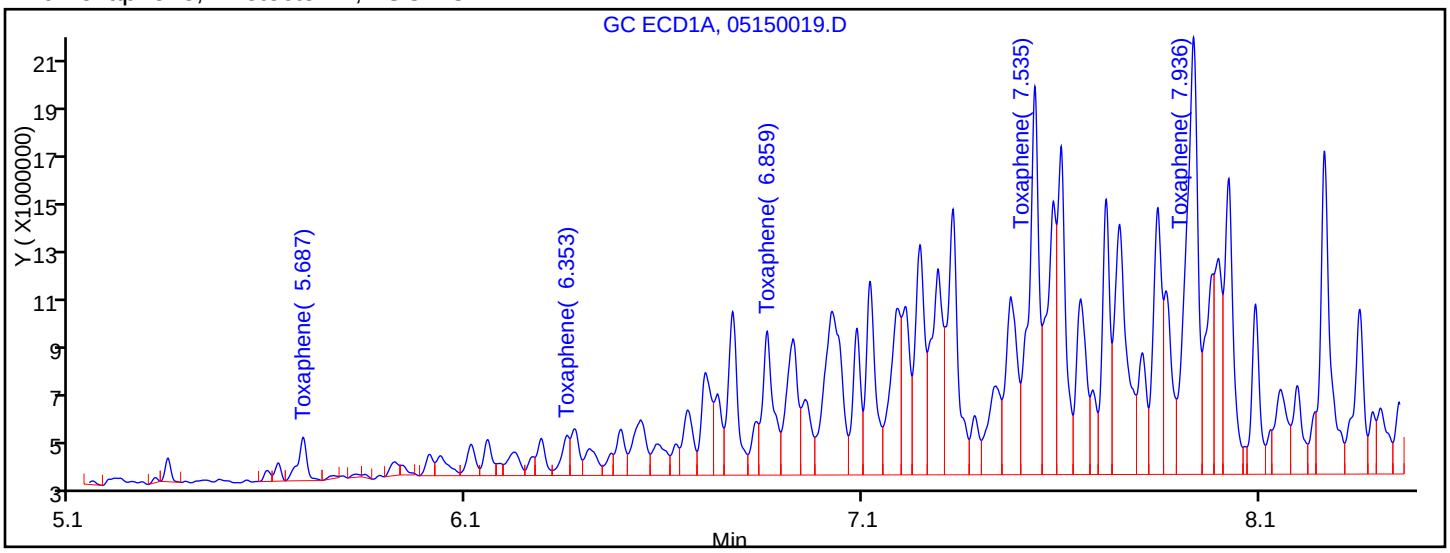
Report Date: 16-May-2013 06:55:47 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150019.D

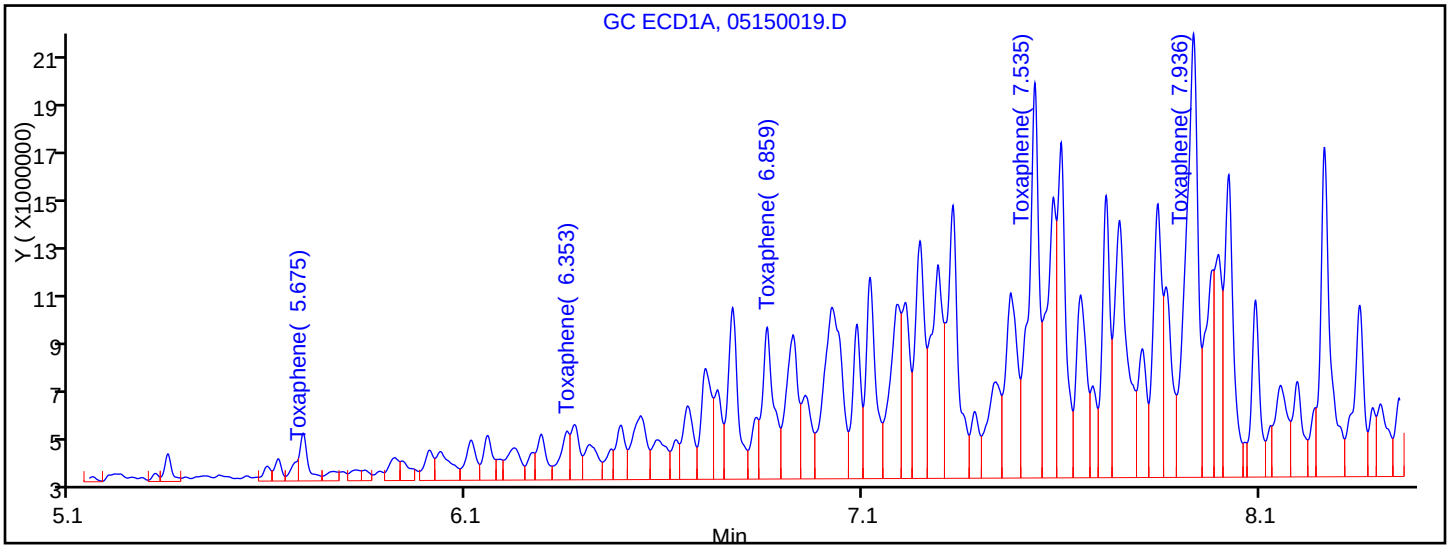
Injection Date:	15-May-2013 16:34:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	19
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.687	Response = 2742158	M
RT = 6.353	Response = 2278067	M
RT = 6.859	Response = 10937649	M
RT = 7.535	Response = 27521537	M
RT = 7.936	Response = 36573909	M



Manual Integration Results

RT = 5.675	Response = 1044465	M
RT = 6.353	Response = 3206512	M
RT = 6.859	Response = 12025940	M
RT = 7.535	Response = 28500145	M
RT = 7.936	Response = 37692267	M

Reviewer: wellsd, 16-May-2013 06:54:35

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-174346/2-A

Matrix: Solid | Lab File ID: 05290015.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.3(g) | Date Analyzed: 05/29/2013 17:33

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	15.0		1.6	0.66	0.52
72-55-9	4,4'-DDE	15.2		1.6	0.44	0.23
50-29-3	4,4'-DDT	15.1		1.9	0.66	0.57
309-00-2	Aldrin	15.7		1.6	0.44	0.24
319-84-6	alpha-BHC	15.3		1.6	0.44	0.21
5103-71-9	alpha-Chlordane	15.3		1.6	0.44	0.31
319-85-7	beta-BHC	14.0		1.6	0.66	0.64
319-86-8	delta-BHC	15.4		1.6	0.66	0.38
60-57-1	Dieldrin	15.7		1.6	0.44	0.20
959-98-8	Endosulfan I	15.4		1.6	0.44	0.17
33213-65-9	Endosulfan II	15.3		1.6	0.44	0.28
1031-07-8	Endosulfan sulfate	14.6		1.6	0.44	0.26
72-20-8	Endrin	17.7		1.6	0.44	0.29
7421-93-4	Endrin aldehyde	11.6		1.6	0.44	0.16
53494-70-5	Endrin ketone	13.4		1.6	0.66	0.47
58-89-9	gamma-BHC (Lindane)	15.5		1.6	0.66	0.44
5103-74-2	gamma-Chlordane	14.9		1.6	0.66	0.25
76-44-8	Heptachlor	14.4		1.6	0.44	0.21
1024-57-3	Heptachlor epoxide	15.6		1.6	0.66	0.41
72-43-5	Methoxychlor	14.4		3.2	0.66	0.43

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	110		55-130
877-09-8	Tetrachloro-m-xylene	76		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290015.D
Lims ID: LCS 280-174346/2-A Client ID:
Inject. Date: 29-May-2013 17:33:44 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 280-174346/2
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 176329 Lims Sample ID: 15
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:30 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.769	3.767	0.002	18510027	15.3			
2	2	3.845	3.845	0.000	20759267	15.2			
						RPD = 0.80			
10 alpha-BHC									
1	-65	4.347	4.346	0.001	67068473	48.0			
2	2	4.469	4.470	-0.001	82788963	46.0			
						RPD = 4.21			
11 gamma-BHC (Lindane)									
1	-65	4.639	4.637	0.002	59492968	48.6			
2	2	4.784	4.784	0.000	72253515	46.1			
						RPD = 5.41			
12 beta-BHC									
1	100	4.716	4.716	0.000	22601231	43.7			
2	2	4.858	4.857	0.001	27916477	42.1			
						RPD = 3.86			
13 delta-BHC									
1	100	4.864	4.864	0.000	60749988	48.1			
2	2	5.094	5.093	0.001	72247914	45.2			
						RPD = 6.39			
15 Heptachlor									
1	100	5.038	5.038	0.000	48874806	45.0			
2	2	5.137	5.136	0.001	63785528	46.2			
						RPD = 2.57			
16 Aldrin									
1	-65	5.293	5.291	0.002	57281232	49.2			
2	2	5.414	5.413	0.001	68477857	46.9			
						RPD = 4.75			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
22 Heptachlor epoxide									
1	-65	5.869	5.867	0.002	50559345	48.8			
2	2	5.972	5.971	0.001	61457019	46.4			
						RPD = 5.17			
23 gamma-Chlordane									
1	-65	5.999	5.999	0.000	50815820	46.7			
2	2	6.171	6.171	0.000	63759871	46.4			
						RPD = 0.59			
24 alpha-Chlordane									
1	-65	6.144	6.143	0.001	51621417	47.8			
2	2	6.325	6.325	0.000	60828176	45.7			
						RPD = 4.44			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	57808564	47.7			
2	2	6.502	6.502	0.000	61841806	44.5			
						RPD = 7.04			
26 Endosulfan I									
1	100	6.284	6.284	0.000	48361317	48.2			
2	2	6.384	6.384	0.000	55674562	46.0			
						RPD = 4.54			
28 Dieldrin									
1	100	6.529	6.528	0.001	53439308	49.2			
2	2	6.665	6.665	0.000	62747452	46.3			
						RPD = 6.08			
30 Endrin									
1	-65	6.762	6.761	0.001	47926401	55.5			
2	2	6.971	6.971	0.000	57708354	54.7			
						RPD = 1.44			
32 4,4'-DDD									
1	100	6.827	6.827	0.000	40250099	46.8			
2	2	7.082	7.083	-0.001	49461054	45.4			
						RPD = 3.01			
34 Endosulfan II									
1	100	6.981	6.980	0.001	43996710	47.8			
2	2	7.179	7.178	0.001	51439020	45.2			
						RPD = 5.58			
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	40558114	47.2			
2	2	7.384	7.384	0.000	45379945	47.5			
						RPD = 0.68			
36 Endrin aldehyde									
1	-65	7.385	7.384	0.001	29465635	36.4			
2	2	7.504	7.505	-0.001	33879620	34.3			
						RPD = 5.74			
37 Methoxychlor									
1	-65	7.562	7.562	0.000	19161907	45.2			
2	2	8.029	8.031	-0.002	21832579	48.2			
						RPD = 6.28			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65	7.794	7.792	0.002	37910401	45.6			
2	2	7.763	7.763	0.000	44713040	44.0			
						RPD = 3.50			
40 Endrin ketone									
1	-65	8.053	8.052	0.001	40362449	42.0			
2	2	8.256	8.256	0.000	47199219	42.0			
						RPD = 0.18			
$ 41 DCB Decachlorobiphenyl									
1	1	8.962	8.962	0.000	17376977	22.1			
2	2	9.416	9.417	-0.001	13594343	18.2			
						RPD = 19.12			

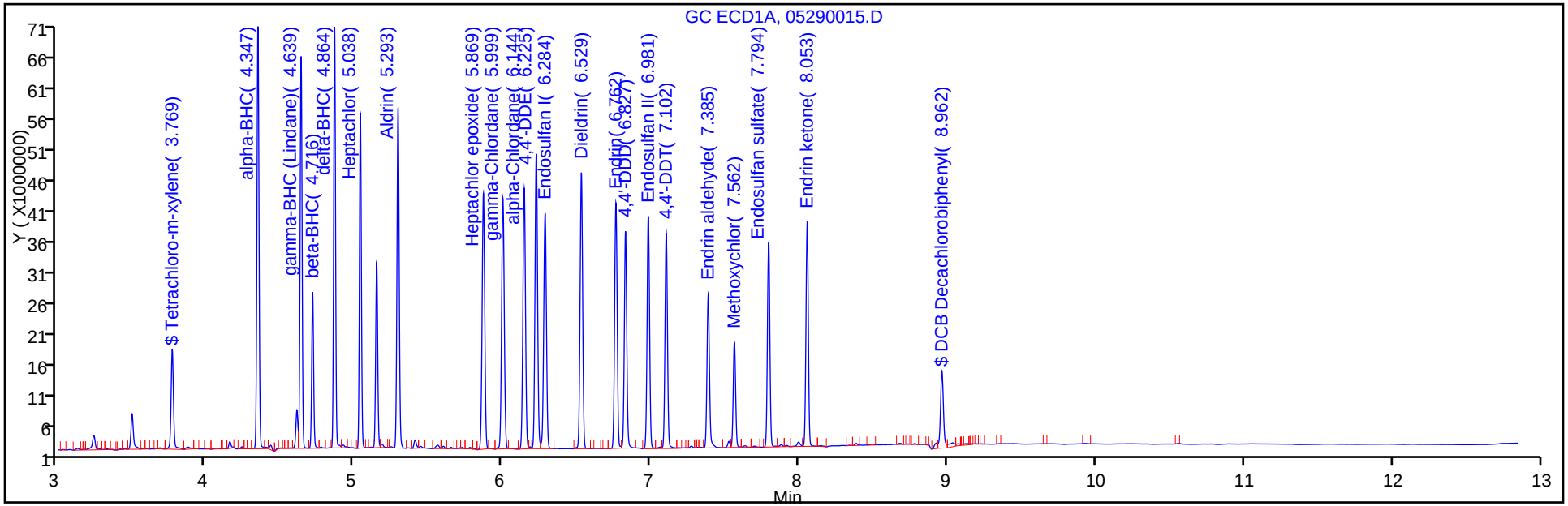
Report Date: 30-May-2013 07:32:37 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

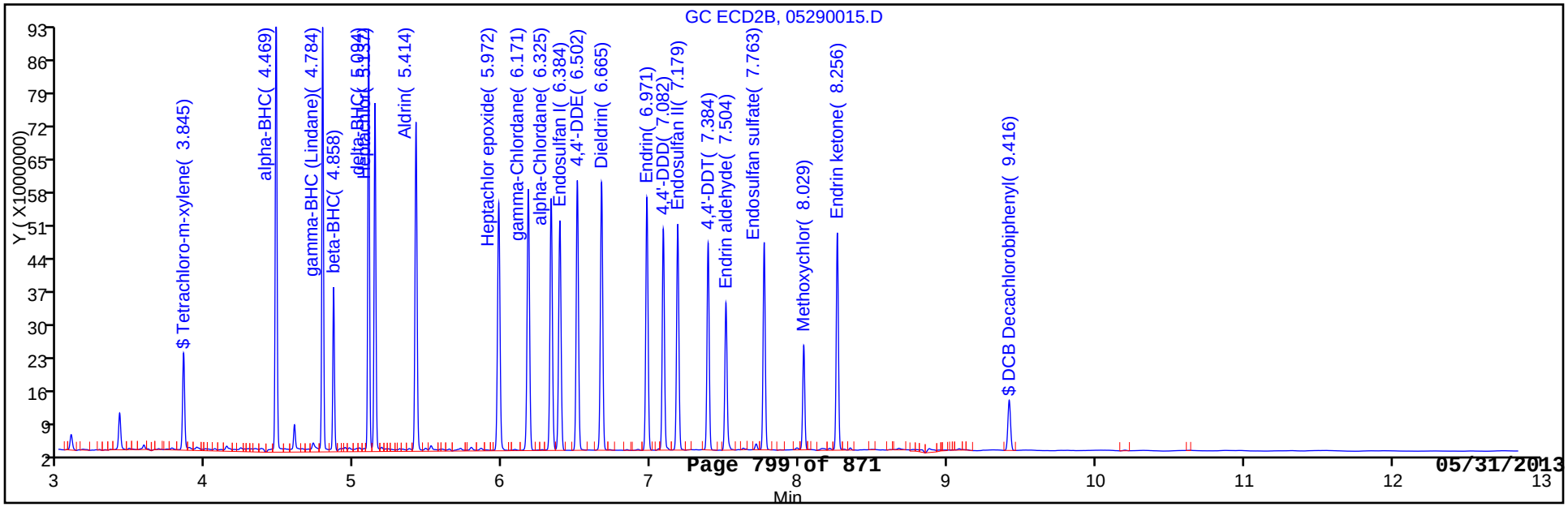
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290015.D

Injection Date:	29-May-2013 17:33:44	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	15
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-174346/2-A

Matrix: Solid Lab File ID: 05290015.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3546 Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.3(g) Date Analyzed: 05/29/2013 17:33

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	91		55-130
877-09-8	Tetrachloro-m-xylene	76		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290015.D
Lims ID: LCS 280-174346/2-A Client ID:
Inject. Date: 29-May-2013 17:33:44 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 280-174346/2
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 176329 Lims Sample ID: 15
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:30 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.769	3.767	0.002	18510027	15.3			
2	2	3.845	3.845	0.000	20759267	15.2			
						RPD = 0.80			
10 alpha-BHC									
1	-65	4.347	4.346	0.001	67068473	48.0			
2	2	4.469	4.470	-0.001	82788963	46.0			
						RPD = 4.21			
11 gamma-BHC (Lindane)									
1	-65	4.639	4.637	0.002	59492968	48.6			
2	2	4.784	4.784	0.000	72253515	46.1			
						RPD = 5.41			
12 beta-BHC									
1	100	4.716	4.716	0.000	22601231	43.7			
2	2	4.858	4.857	0.001	27916477	42.1			
						RPD = 3.86			
13 delta-BHC									
1	100	4.864	4.864	0.000	60749988	48.1			
2	2	5.094	5.093	0.001	72247914	45.2			
						RPD = 6.39			
15 Heptachlor									
1	100	5.038	5.038	0.000	48874806	45.0			
2	2	5.137	5.136	0.001	63785528	46.2			
						RPD = 2.57			
16 Aldrin									
1	-65	5.293	5.291	0.002	57281232	49.2			
2	2	5.414	5.413	0.001	68477857	46.9			
						RPD = 4.75			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
22 Heptachlor epoxide									
1	-65	5.869	5.867	0.002	50559345	48.8			
2	2	5.972	5.971	0.001	61457019	46.4			
						RPD = 5.17			
23 gamma-Chlordane									
1	-65	5.999	5.999	0.000	50815820	46.7			
2	2	6.171	6.171	0.000	63759871	46.4			
						RPD = 0.59			
24 alpha-Chlordane									
1	-65	6.144	6.143	0.001	51621417	47.8			
2	2	6.325	6.325	0.000	60828176	45.7			
						RPD = 4.44			
25 4,4'-DDE									
1	-65	6.225	6.225	0.000	57808564	47.7			
2	2	6.502	6.502	0.000	61841806	44.5			
						RPD = 7.04			
26 Endosulfan I									
1	100	6.284	6.284	0.000	48361317	48.2			
2	2	6.384	6.384	0.000	55674562	46.0			
						RPD = 4.54			
28 Dieldrin									
1	100	6.529	6.528	0.001	53439308	49.2			
2	2	6.665	6.665	0.000	62747452	46.3			
						RPD = 6.08			
30 Endrin									
1	-65	6.762	6.761	0.001	47926401	55.5			
2	2	6.971	6.971	0.000	57708354	54.7			
						RPD = 1.44			
32 4,4'-DDD									
1	100	6.827	6.827	0.000	40250099	46.8			
2	2	7.082	7.083	-0.001	49461054	45.4			
						RPD = 3.01			
34 Endosulfan II									
1	100	6.981	6.980	0.001	43996710	47.8			
2	2	7.179	7.178	0.001	51439020	45.2			
						RPD = 5.58			
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	40558114	47.2			
2	2	7.384	7.384	0.000	45379945	47.5			
						RPD = 0.68			
36 Endrin aldehyde									
1	-65	7.385	7.384	0.001	29465635	36.4			
2	2	7.504	7.505	-0.001	33879620	34.3			
						RPD = 5.74			
37 Methoxychlor									
1	-65	7.562	7.562	0.000	19161907	45.2			
2	2	8.029	8.031	-0.002	21832579	48.2			
						RPD = 6.28			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65	7.794	7.792	0.002	37910401	45.6			
2	2	7.763	7.763	0.000	44713040	44.0			
						RPD = 3.50			
40 Endrin ketone									
1	-65	8.053	8.052	0.001	40362449	42.0			
2	2	8.256	8.256	0.000	47199219	42.0			
						RPD = 0.18			
$ 41 DCB Decachlorobiphenyl									
1	1	8.962	8.962	0.000	17376977	22.1			
2	2	9.416	9.417	-0.001	13594343	18.2			
						RPD = 19.12			

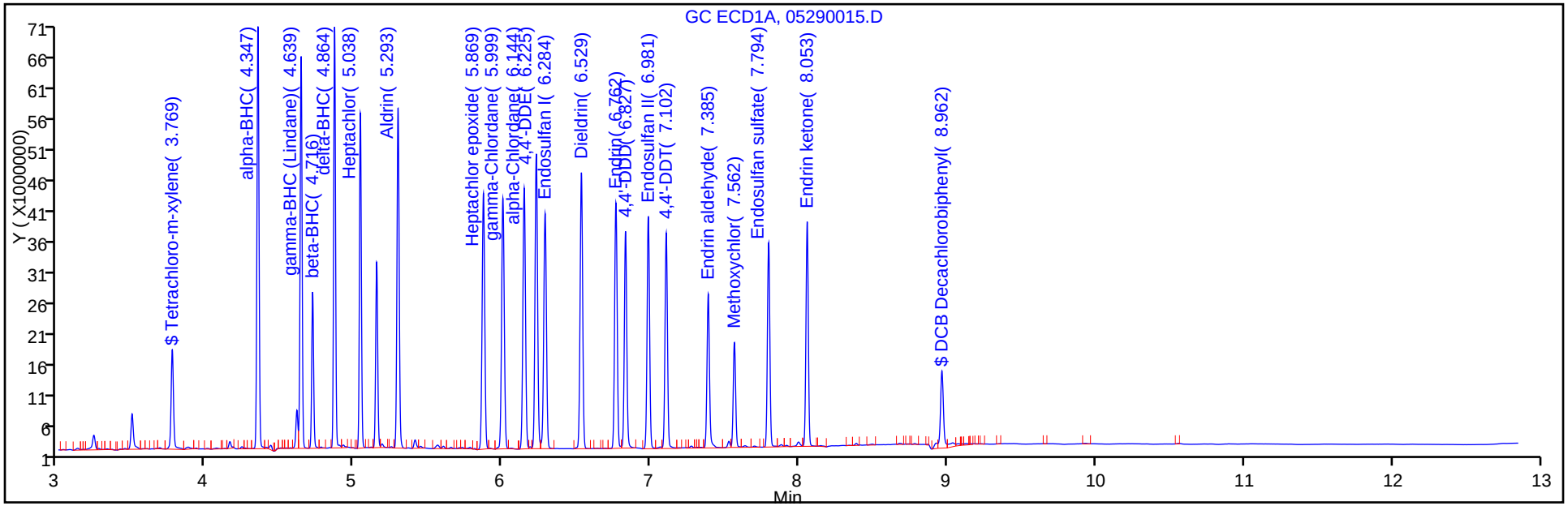
Report Date: 30-May-2013 07:32:37 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

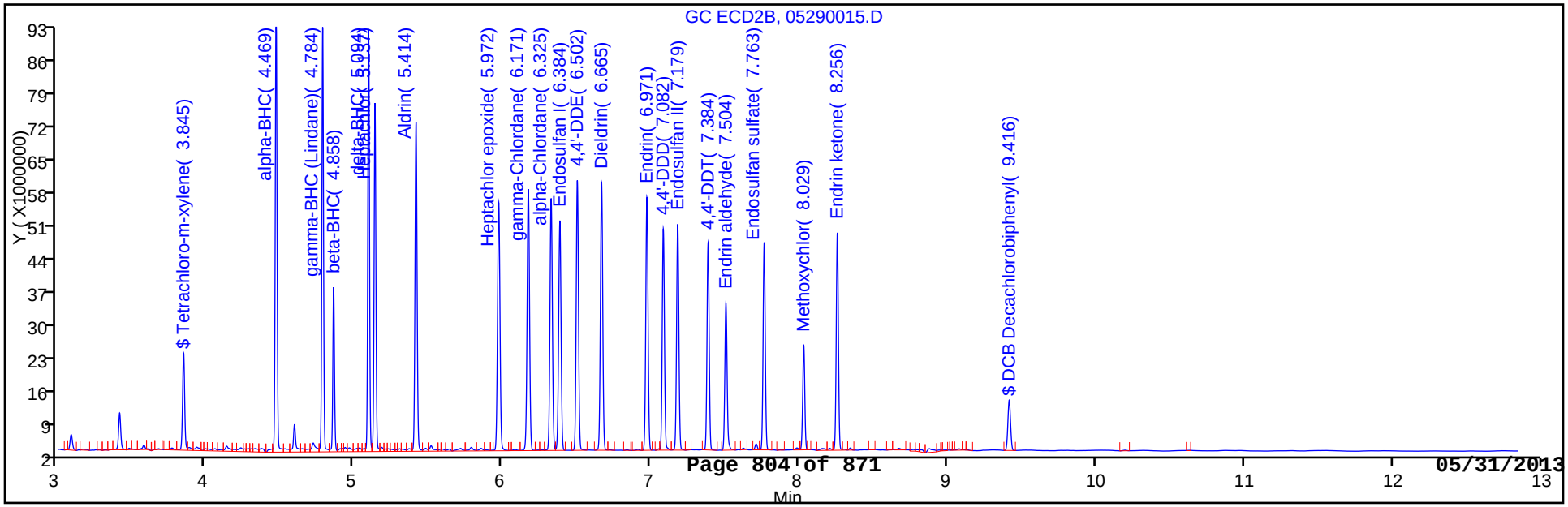
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Injection Date:	29-May-2013 17:33:44	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	15
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-174346/3-A

Matrix: Solid | Lab File ID: 05290016.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 31.0(g) | Date Analyzed: 05/29/2013 17:50

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	48.4	J	160	26	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	100		55-130
877-09-8	Tetrachloro-m-xylene	72		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290016.D		
Lims ID:	LCS 280-174346/3-A	Client ID:	
Inject. Date:	29-May-2013 17:50:12	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS 280-174346/3		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	10
Lims Batch ID:	176329	Lims Sample ID:	16
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:30	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:10:03

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.769	3.767	0.002	17398535	14.3			
2	2	3.844	3.845	-0.001	19549708	14.2			
						RPD = 0.61			
20 Toxaphene									M
1	-65	6.115	6.120	-0.005	495748	179.8		100.0	M
1	-65	6.624	6.630	-0.006	2155634	125.0	515.9- 555.9	434.8	M
1	-65	7.304	7.310	-0.006	6202118	229.7	731.1- 771.1	1251.1	M
1	-65	7.706	7.709	-0.003	7272322	150.8	1471.6-1511.6	1466.9	M
1	-65	8.180	8.178	0.002	710960	64.9	701.3- 741.3	143.4	M
			Average of Peak Amounts =			150.0			
2	6	6.651	6.650	0.001	2149461	143.5		100.0	M
2	7	6.911	6.918	-0.007	2871780	103.6	185.9- 245.9	133.6	M
2	8	7.259	7.267	-0.008	10577402	240.1	281.4- 341.4	492.1	M
2	9	7.509	7.516	-0.007	9852206	197.6	371.6- 431.6	458.4	M
2	10	8.343	8.350	-0.007	4900725	266.8	123.9- 183.9	228.0	M
			Average of Peak Amounts =			190.3			
						RPD = 23.68			
$ 41 DCB Decachlorobiphenyl									
1	1	8.963	8.962	0.001	15759580	19.9			
2	2	9.417	9.417	0.000	14200023	19.1			
						RPD = 4.24			

QC Flag Legend

Review Flags
M - Manually Integrated

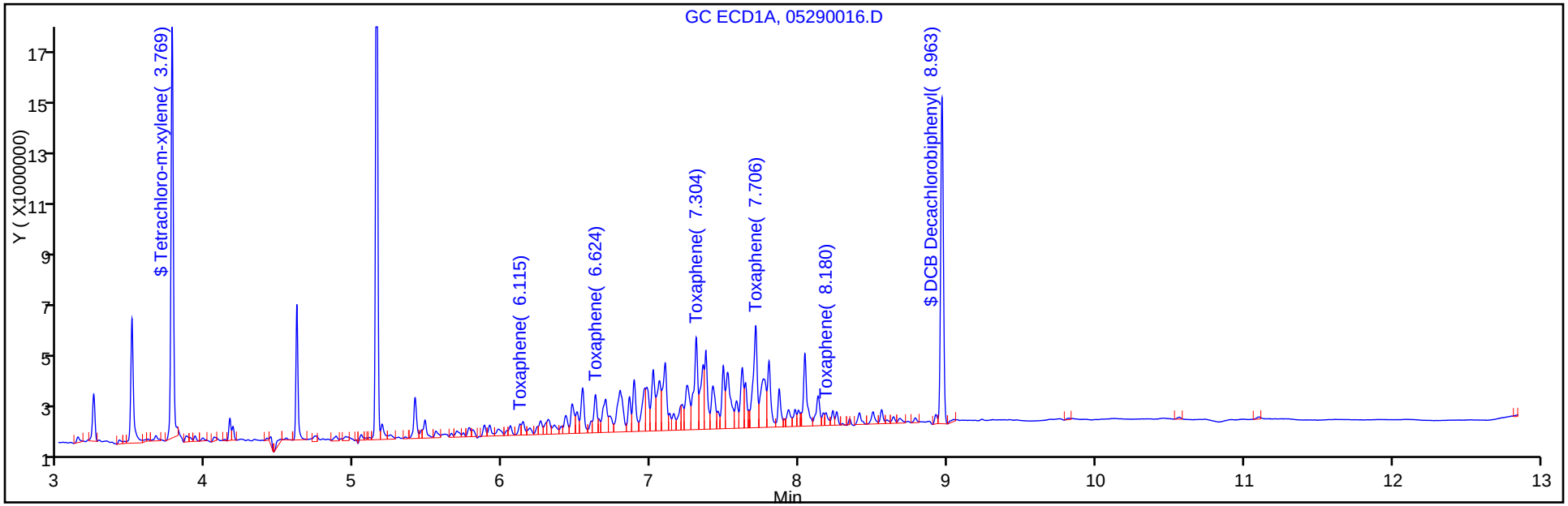
Report Date: 30-May-2013 07:32:38 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

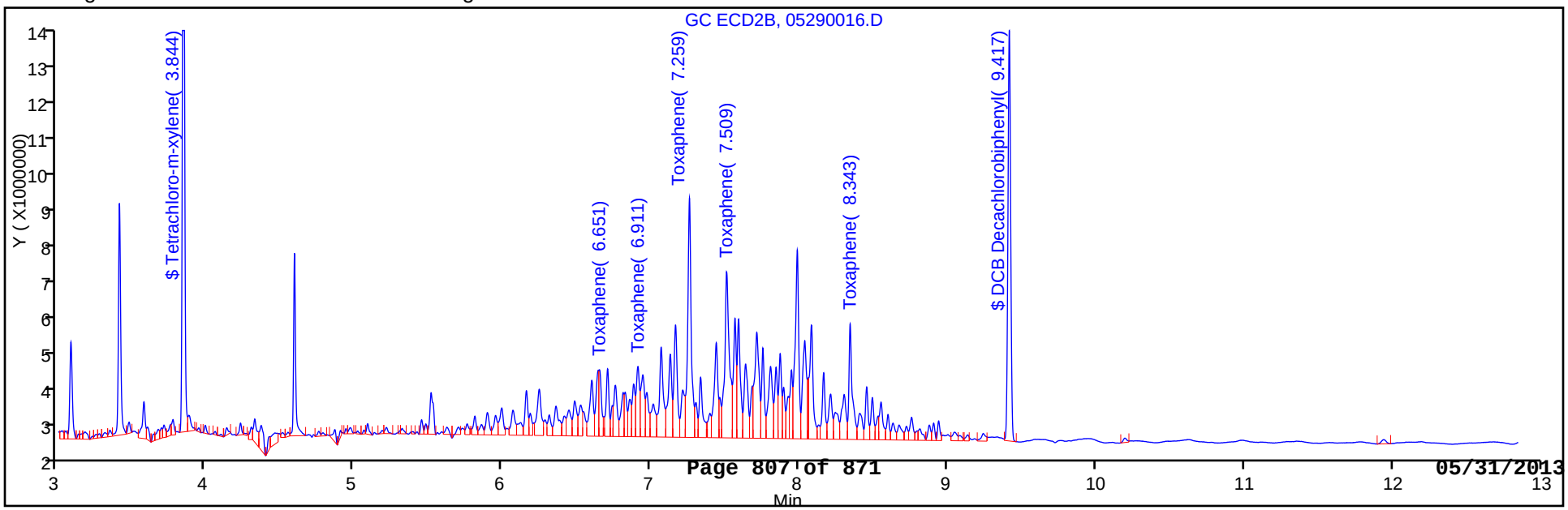
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Injection Date:	29-May-2013 17:50:12	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	16
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



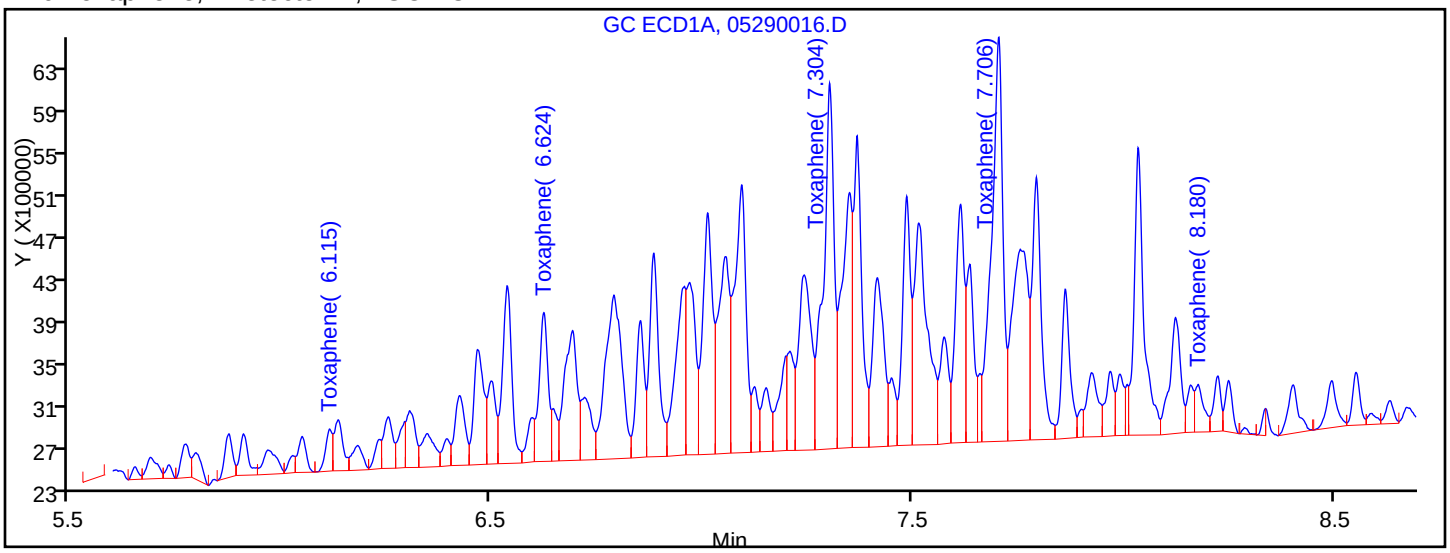
Report Date: 30-May-2013 07:32:38 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290016.D

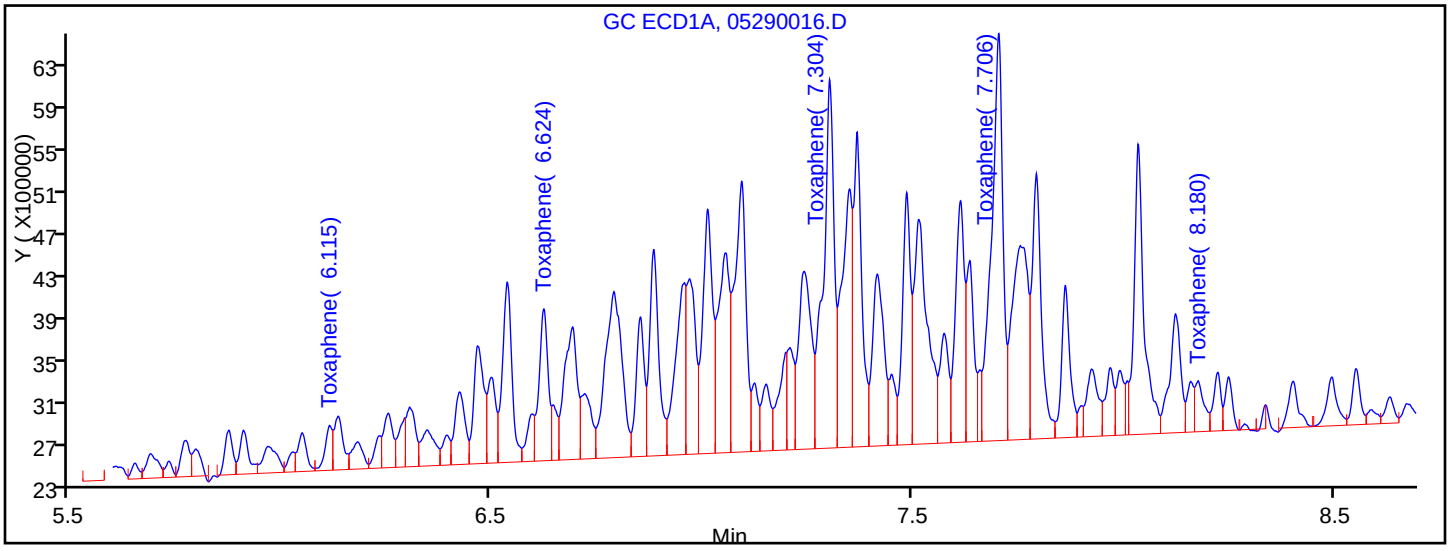
Injection Date:	29-May-2013 17:50:12	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	16
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.115	Response = 431421	M
RT = 6.624	Response = 2086095	M
RT = 7.304	Response = 6118832	M
RT = 7.706	Response = 7170313	M
RT = 8.180	Response = 644107	M



Manual Integration Results

RT = 6.115	Response = 495748	M
RT = 6.624	Response = 2155634	M
RT = 7.304	Response = 6202118	M
RT = 7.706	Response = 7272322	M
RT = 8.180	Response = 710960	M

Reviewer: wellsd, 30-May-2013 07:10:03

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-174025/3-A

Matrix: Water | Lab File ID: 05150021.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/13/2013 17:20

Sample wt/vol: 1000(mL) | Date Analyzed: 05/15/2013 17:09

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174317 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.619		0.050	0.010	0.0077
72-55-9	4,4'-DDE	0.512		0.050	0.010	0.0075
50-29-3	4,4'-DDT	0.569		0.050	0.020	0.015
309-00-2	Aldrin	0.317		0.050	0.010	0.0059
319-84-6	alpha-BHC	0.554		0.050	0.010	0.0053
5103-71-9	alpha-Chlordane	0.535		0.050	0.010	0.0053
319-85-7	beta-BHC	0.522		0.050	0.010	0.0087
319-86-8	delta-BHC	0.564		0.050	0.010	0.0058
60-57-1	Dieldrin	0.605		0.050	0.010	0.0063
33213-65-9	Endosulfan II	0.605		0.050	0.010	0.0070
1031-07-8	Endosulfan sulfate	0.593		0.050	0.010	0.0057
72-20-8	Endrin	0.663		0.050	0.010	0.0079
7421-93-4	Endrin aldehyde	0.560		0.050	0.010	0.0088
53494-70-5	Endrin ketone	0.572		0.050	0.010	0.0070
58-89-9	gamma-BHC (Lindane)	0.567		0.050	0.010	0.0069
5103-74-2	gamma-Chlordane	0.511		0.050	0.010	0.0091
76-44-8	Heptachlor	0.377		0.050	0.010	0.0077
1024-57-3	Heptachlor epoxide	0.579		0.050	0.010	0.0075
72-43-5	Methoxychlor	0.579		0.10	0.020	0.013

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	126		30-135
877-09-8	Tetrachloro-m-xylene	62		25-140

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150021.D
Lims ID: LCSD 280-174025/3-A Client ID:
Inject. Date: 15-May-2013 17:09:14 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: LCSD 280-174025/
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 174317 Lims Sample ID: 21
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\8081 P1.m
Last Update: 16-May-2013 06:55:42 Calib Date: 15-May-2013 13:25:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150011.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.942	3.941	0.001	32974416	12.4			
2	2	3.708	3.707	0.001	54556002	11.2			
						RPD = 9.83			
10 alpha-BHC									
1	-65	4.523	4.523	0.000	215012377	55.4			
2	2	4.331	4.330	0.001	279986358	49.4			
						RPD = 11.43			
11 gamma-BHC (Lindane)									
1	-65	4.813	4.813	0.000	198644283	56.7			
2	2	4.646	4.645	0.001	222572135	49.3			
						RPD = 13.85			
12 beta-BHC									
1	100	4.890	4.890	0.000	75982153	52.2			
2	2	4.722	4.721	0.001	82330721	45.7			
						RPD = 13.24			
13 delta-BHC									
1	100	5.039	5.039	0.000	207370754	56.4			
2	2	4.955	4.954	0.001	216773387	50.2			
						RPD = 11.63			
15 Heptachlor									
1	100	5.219	5.219	0.000	127109256	37.7			
2	2	4.996	4.995	0.001	107581231	28.9			
						RPD = 26.15			
16 Aldrin									
1	-65	5.491	5.492	-0.001	114469512	31.7			
2	2	5.251	5.250	0.001	106057721	27.0			
						RPD = 15.84			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
22 Heptachlor epoxide									
1	-65	6.107	6.107	0.000	189230995	57.9			
2	2	5.763	5.763	0.000	158229026	49.4			
						RPD = 15.84			
23 gamma-Chlordane									
1	-65	6.238	6.239	-0.001	179225053	51.1			
2	2	5.951	5.950	0.001	145439276	42.6			
						RPD = 18.11			
24 alpha-Chlordane									
1	-65	6.377	6.377	0.000	182660937	53.5			
2	2	6.106	6.105	0.001	148563193	45.0			
						RPD = 17.32			
25 4,4'-DDE									
1	-65	6.452	6.452	0.000	176982498	51.2			
2	2	6.287	6.287	0.000	152017862	44.8			
						RPD = 13.36			
26 Endosulfan I									
1	100	6.520	6.520	0.000	184036502	58.9			
2	2	6.163	6.162	0.001	146903323	49.5			
						RPD = 17.23			
28 Dieldrin									
1	100	6.764	6.764	0.000	210246877	60.5			
2	2	6.445	6.444	0.001	166130128	50.9			
						RPD = 17.21			
30 Endrin									
1	-65	6.997	6.998	-0.001	187873321	66.3			
2	2	6.749	6.749	0.000	140458283	56.4			
						RPD = 16.28			
32 4,4'-DDD									
1	100	7.054	7.054	0.000	172544161	61.9			
2	2	6.871	6.871	0.000	119719426	49.0			
						RPD = 23.44			
34 Endosulfan II									
1	100	7.217	7.217	0.000	178723869	60.5			
2	2	6.960	6.960	0.000	131586066	49.0			
						RPD = 20.91			
35 4,4'-DDT									
1	-65	7.325	7.326	-0.001	168089699	56.9			
2	2	7.176	7.176	0.000	99507879	42.2			
						RPD = 29.63			
36 Endrin aldehyde									
1	-65	7.620	7.620	0.000	139258647	56.0			
2	2	7.290	7.290	0.000	100848756	45.3			
						RPD = 21.14			
37 Methoxychlor									
1	-65	7.778	7.779	-0.001	82753382	57.9			
2	2	7.826	7.827	-0.001	46361869	41.7			
						RPD = 32.35			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65	8.027	8.029	-0.002	163441420	59.3			
2	2	7.553	7.553	0.000	115621116	47.4			
						RPD = 22.24			
40 Endrin ketone									
1	-65	8.287	8.288	-0.001	179625201	57.2			
2	2	8.039	8.040	-0.001	113815252	43.2			
						RPD = 27.81			
$ 41 DCB Decachlorobiphenyl									
1	1	9.208	9.210	-0.002	53658335	25.1			
2	2	9.157	9.159	-0.002	41120006	21.2			
						RPD = 16.78			

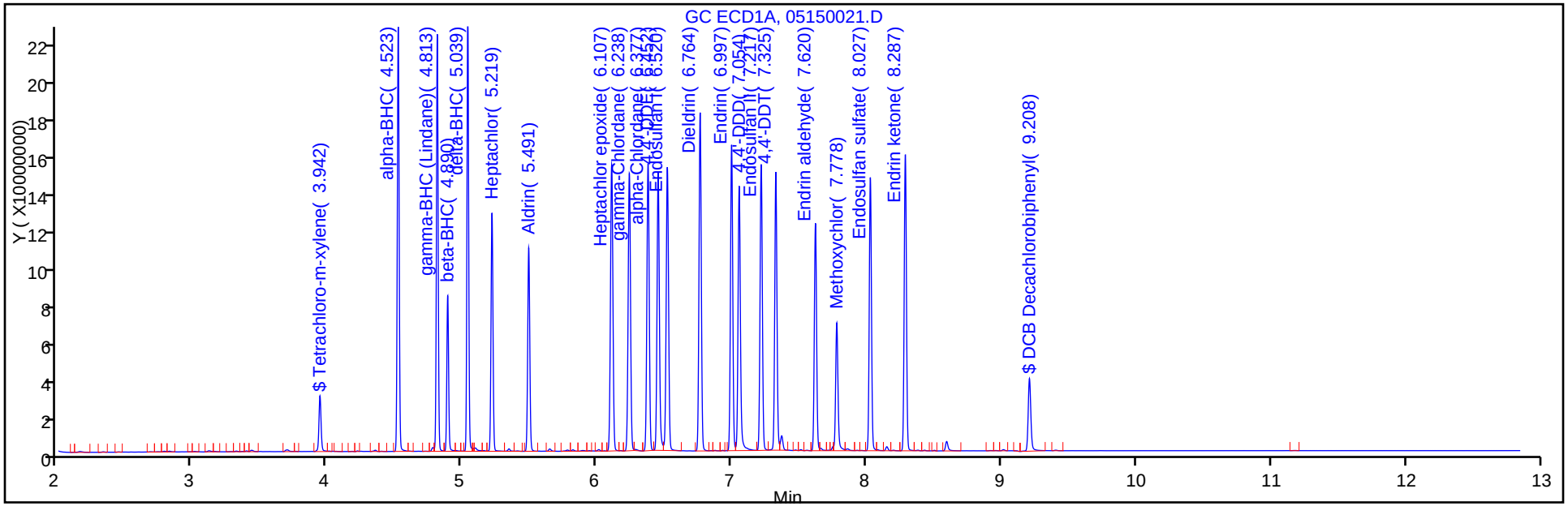
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TestAmerica Denver

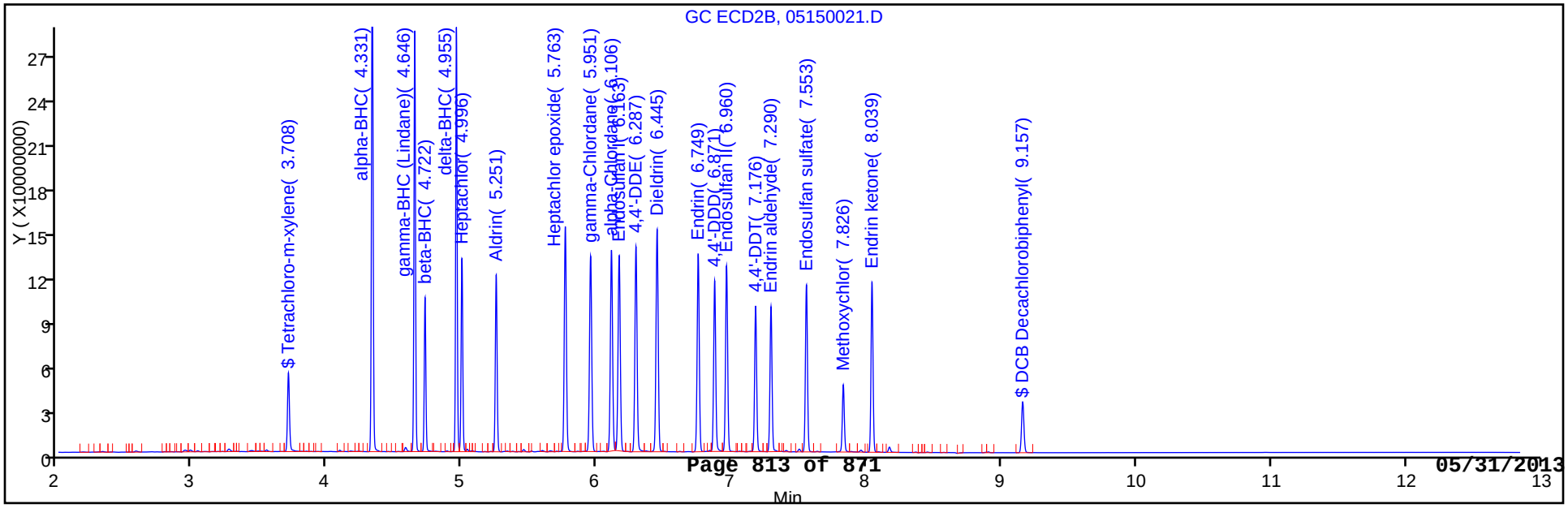
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Injection Date:	15-May-2013 17:09:14	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	21
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-174025/3-A

Matrix: Water | Lab File ID: 05150021.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/13/2013 17:20

Sample wt/vol: 1000(mL) | Date Analyzed: 05/15/2013 17:09

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 174317 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
959-98-8	Endosulfan I	0.495		0.050	0.010	0.0058

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	106		30-135
877-09-8	Tetrachloro-m-xylene	56		25-140

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150021.D
Lims ID: LCSD 280-174025/3-A Client ID:
Inject. Date: 15-May-2013 17:09:14 Dil. Factor: 1.0000
Sample Type: LCSD
Sample ID: LCSD 280-174025/
Misc. Info.:
Operator: DW Instrument ID: SGC_P1
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 174317 Lims Sample ID: 21
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\8081 P1.m
Last Update: 16-May-2013 06:55:42 Calib Date: 15-May-2013 13:25:22
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150011.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.942	3.941	0.001	32974416	12.4			
2	2	3.708	3.707	0.001	54556002	11.2			
						RPD = 9.83			
10 alpha-BHC									
1	-65	4.523	4.523	0.000	215012377	55.4			
2	2	4.331	4.330	0.001	279986358	49.4			
						RPD = 11.43			
11 gamma-BHC (Lindane)									
1	-65	4.813	4.813	0.000	198644283	56.7			
2	2	4.646	4.645	0.001	222572135	49.3			
						RPD = 13.85			
12 beta-BHC									
1	100	4.890	4.890	0.000	75982153	52.2			
2	2	4.722	4.721	0.001	82330721	45.7			
						RPD = 13.24			
13 delta-BHC									
1	100	5.039	5.039	0.000	207370754	56.4			
2	2	4.955	4.954	0.001	216773387	50.2			
						RPD = 11.63			
15 Heptachlor									
1	100	5.219	5.219	0.000	127109256	37.7			
2	2	4.996	4.995	0.001	107581231	28.9			
						RPD = 26.15			
16 Aldrin									
1	-65	5.491	5.492	-0.001	114469512	31.7			
2	2	5.251	5.250	0.001	106057721	27.0			
						RPD = 15.84			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
22 Heptachlor epoxide									
1	-65	6.107	6.107	0.000	189230995	57.9			
2	2	5.763	5.763	0.000	158229026	49.4			
						RPD = 15.84			
23 gamma-Chlordane									
1	-65	6.238	6.239	-0.001	179225053	51.1			
2	2	5.951	5.950	0.001	145439276	42.6			
						RPD = 18.11			
24 alpha-Chlordane									
1	-65	6.377	6.377	0.000	182660937	53.5			
2	2	6.106	6.105	0.001	148563193	45.0			
						RPD = 17.32			
25 4,4'-DDE									
1	-65	6.452	6.452	0.000	176982498	51.2			
2	2	6.287	6.287	0.000	152017862	44.8			
						RPD = 13.36			
26 Endosulfan I									
1	100	6.520	6.520	0.000	184036502	58.9			
2	2	6.163	6.162	0.001	146903323	49.5			
						RPD = 17.23			
28 Dieldrin									
1	100	6.764	6.764	0.000	210246877	60.5			
2	2	6.445	6.444	0.001	166130128	50.9			
						RPD = 17.21			
30 Endrin									
1	-65	6.997	6.998	-0.001	187873321	66.3			
2	2	6.749	6.749	0.000	140458283	56.4			
						RPD = 16.28			
32 4,4'-DDD									
1	100	7.054	7.054	0.000	172544161	61.9			
2	2	6.871	6.871	0.000	119719426	49.0			
						RPD = 23.44			
34 Endosulfan II									
1	100	7.217	7.217	0.000	178723869	60.5			
2	2	6.960	6.960	0.000	131586066	49.0			
						RPD = 20.91			
35 4,4'-DDT									
1	-65	7.325	7.326	-0.001	168089699	56.9			
2	2	7.176	7.176	0.000	99507879	42.2			
						RPD = 29.63			
36 Endrin aldehyde									
1	-65	7.620	7.620	0.000	139258647	56.0			
2	2	7.290	7.290	0.000	100848756	45.3			
						RPD = 21.14			
37 Methoxychlor									
1	-65	7.778	7.779	-0.001	82753382	57.9			
2	2	7.826	7.827	-0.001	46361869	41.7			
						RPD = 32.35			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65	8.027	8.029	-0.002	163441420	59.3			
2	2	7.553	7.553	0.000	115621116	47.4			
						RPD = 22.24			
40 Endrin ketone									
1	-65	8.287	8.288	-0.001	179625201	57.2			
2	2	8.039	8.040	-0.001	113815252	43.2			
						RPD = 27.81			
$ 41 DCB Decachlorobiphenyl									
1	1	9.208	9.210	-0.002	53658335	25.1			
2	2	9.157	9.159	-0.002	41120006	21.2			
						RPD = 16.78			

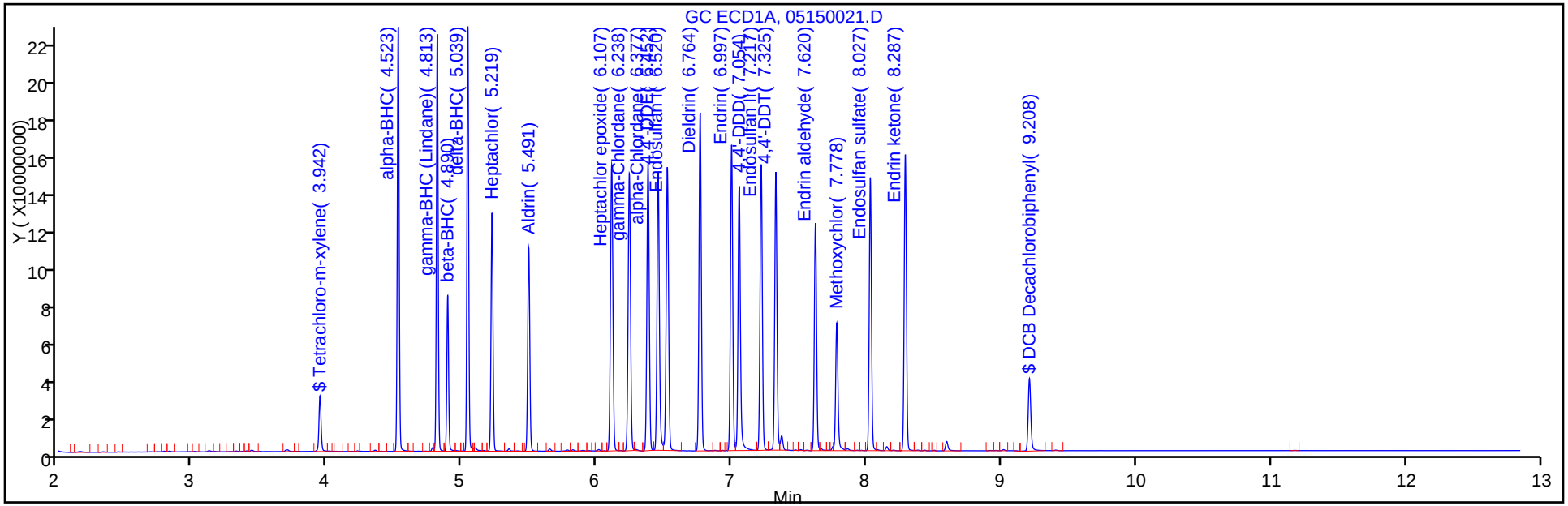
Report Date: 16-May-2013 06:55:51 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

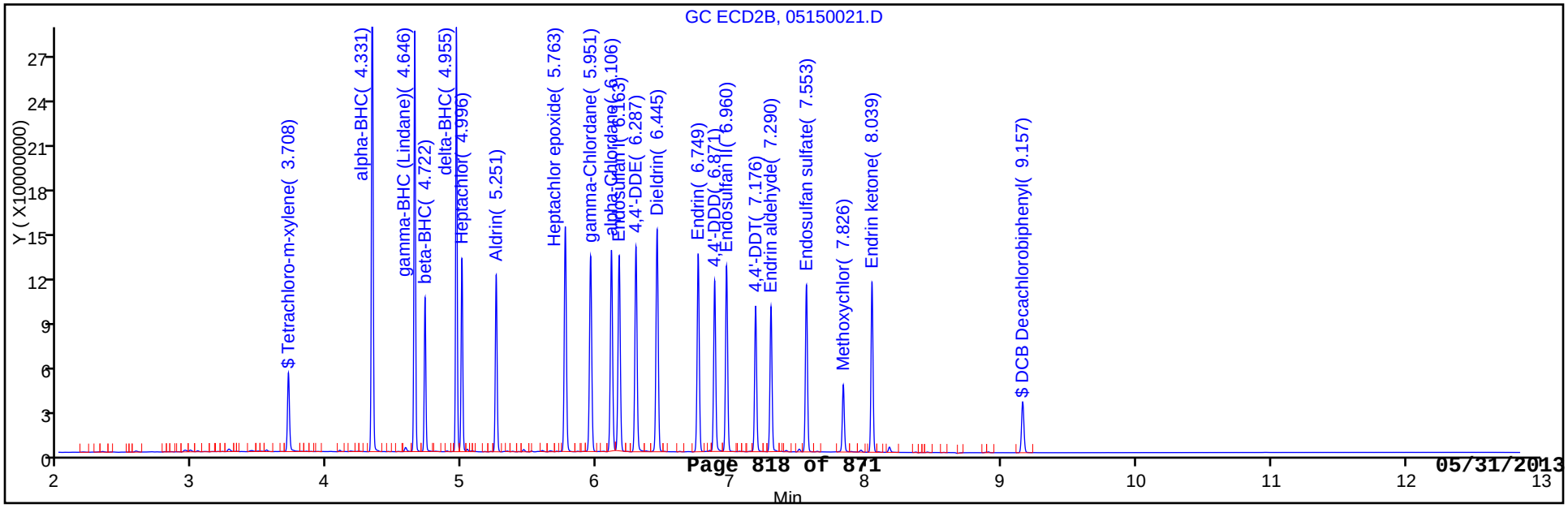
Data File: \\Denchrom\ChromData\SGC_P1\20130515-11633.b\05150021.D

Injection Date:	15-May-2013 17:09:14	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P1
Lims Batch ID:	174317	Lims Sample ID:	21
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0308AA MS | Lab Sample ID: 280-42047-8 MS

Matrix: Solid | Lab File ID: 05290037.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:16

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 30.5(g) | Date Analyzed: 05/29/2013 23:36

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	20.5		1.9	0.78	0.62
72-55-9	4,4'-DDE	19.1		1.9	0.52	0.27
50-29-3	4,4'-DDT	27.3		2.3	0.78	0.67
309-00-2	Aldrin	18.4		1.9	0.52	0.28
319-84-6	alpha-BHC	20.4		1.9	0.52	0.24
5103-71-9	alpha-Chlordane	20.7		1.9	0.52	0.37
60-57-1	Dieldrin	18.9		1.9	0.52	0.24
959-98-8	Endosulfan I	17.4		1.9	0.52	0.20
33213-65-9	Endosulfan II	16.9		1.9	0.52	0.33
1031-07-8	Endosulfan sulfate	16.4		1.9	0.52	0.31
72-20-8	Endrin	20.1		1.9	0.52	0.35
7421-93-4	Endrin aldehyde	11.5		1.9	0.52	0.19
53494-70-5	Endrin ketone	15.0		1.9	0.78	0.55
5103-74-2	gamma-Chlordane	18.5		1.9	0.78	0.30
76-44-8	Heptachlor	17.8		1.9	0.52	0.24
1024-57-3	Heptachlor epoxide	19.5		1.9	0.78	0.48
72-43-5	Methoxychlor	13.8		3.7	0.78	0.51

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	103		55-130
877-09-8	Tetrachloro-m-xylene	83		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290037.D		
Lims ID:	280-42047-C-8-B MS	Client ID:	B301SCS0308AS
Inject. Date:	29-May-2013 23:36:29	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	280-42047-C-8-B		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	176329	Lims Sample ID:	37
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:55	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:30:22

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.767	0.004	20119508	16.7			
2	2	3.847	3.845	0.002	19243078	14.0			
						RPD = 17.32			
10 alpha-BHC									
1	-65	4.349	4.346	0.003	75398157	54.0			
2	2	4.471	4.470	0.001	80749854	44.9			
						RPD = 18.48			
11 gamma-BHC (Lindane)									
1	-65	4.640	4.637	0.003	62368797	51.0			
2	2	4.784	4.784	0.000	72328004	46.1			
						RPD = 10.08			
12 beta-BHC									
1	100	4.718	4.716	0.002	27014455	52.5			
2	2	4.858	4.857	0.001	26289447	39.6			
						RPD = 28.15			
13 delta-BHC									
1	100	4.866	4.864	0.002	63844471	50.6			
2	2	5.094	5.093	0.001	69556419	43.5			
						RPD = 15.21			
15 Heptachlor									
1	100	5.039	5.038	0.001	50998010	47.0			
2	2	5.137	5.136	0.001	63810928	46.2			
						RPD = 1.72			
16 Aldrin									
1	-65	5.293	5.291	0.002	56795915	48.8			
2	2	5.413	5.413	0.000	65353274	44.7			
						RPD = 8.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
22 Heptachlor epoxide									
1	-65	5.868	5.867	0.001	53288068	51.5			
2	2	5.972	5.971	0.001	60576275	45.7			
						RPD = 11.99			
23 gamma-Chlordane									M
1	-65	6.001	5.999	0.002	53358748	49.1			
2	2	6.167	6.171	-0.004	53959792	39.2			
						RPD = 22.39			
24 alpha-Chlordane									
1	-65	6.144	6.143	0.001	59117020	54.8			
2	2	6.325	6.325	0.000	62398110	46.9			
						RPD = 15.58			
25 4,4'-DDE									
1	-65	6.224	6.225	-0.001	61239769	50.6			
2	2	6.502	6.502	0.000	71563209	51.5			
						RPD = 1.86			
26 Endosulfan I									
1	100	6.285	6.284	0.001	46160216	45.9			
2	2	6.383	6.384	-0.001	51936587	42.9			
						RPD = 6.86			
28 Dieldrin									
1	100	6.529	6.528	0.001	54184372	49.9			
2	2	6.665	6.665	0.000	66560438	49.2			
						RPD = 1.51			
30 Endrin									
1	-65	6.762	6.761	0.001	45920974	53.2			
2	2	6.971	6.971	0.000	53101515	50.3			
						RPD = 5.56			
32 4,4'-DDD									
1	100	6.827	6.827	0.000	46567567	54.3			
2	2	7.082	7.083	-0.001	54370146	50.0			
						RPD = 8.26			
34 Endosulfan II									
1	100	6.982	6.980	0.002	41117563	44.6			
2	2	7.179	7.178	0.001	46905282	41.2			
						RPD = 8.08			
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	61881784	72.3			
2	2	7.384	7.384	0.000	70110387	73.6			
						RPD = 1.84			
36 Endrin aldehyde									
1	-65	7.385	7.384	0.001	24901042	30.5			
2	2	7.504	7.505	-0.001	27724828	27.9			
						RPD = 9.04			
37 Methoxychlor									
1	-65	7.562	7.562	0.000	15496773	36.4			
2	2	8.029	8.031	-0.002	20444310	45.0			
						RPD = 21.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65	7.794	7.792	0.002	36149947	43.4			
2	2	7.762	7.763	-0.001	41168487	40.5			
						RPD = 7.08			
40 Endrin ketone									
1	-65	8.052	8.052	0.000	38126576	39.6			
2	2	8.256	8.256	0.000	43216745	38.4			
						RPD = 2.98			
$ 41 DCB Decachlorobiphenyl									
1	1	8.962	8.962	0.000	16322059	20.7			
2	2	9.417	9.417	0.000	15464090	20.9			
						RPD = 1.13			

QC Flag Legend

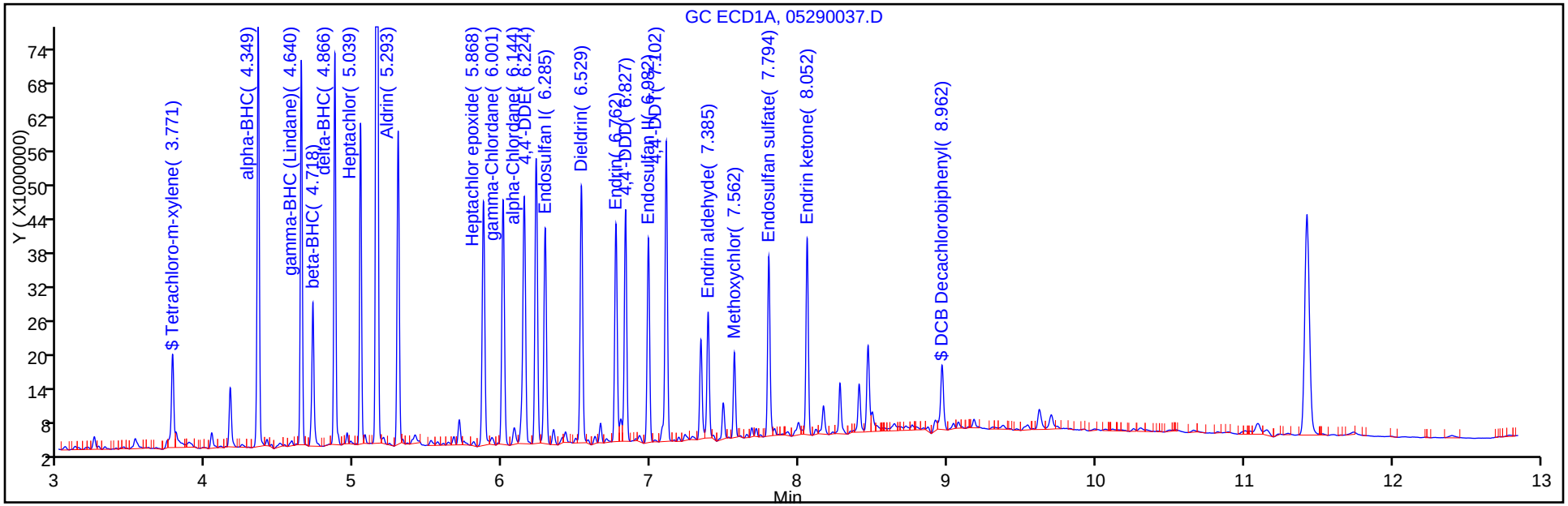
Review Flags
M - Manually Integrated

Report Date: 30-May-2013 07:33:06 Chrom Revision: 2.0 25-Apr-2013 12:05:30

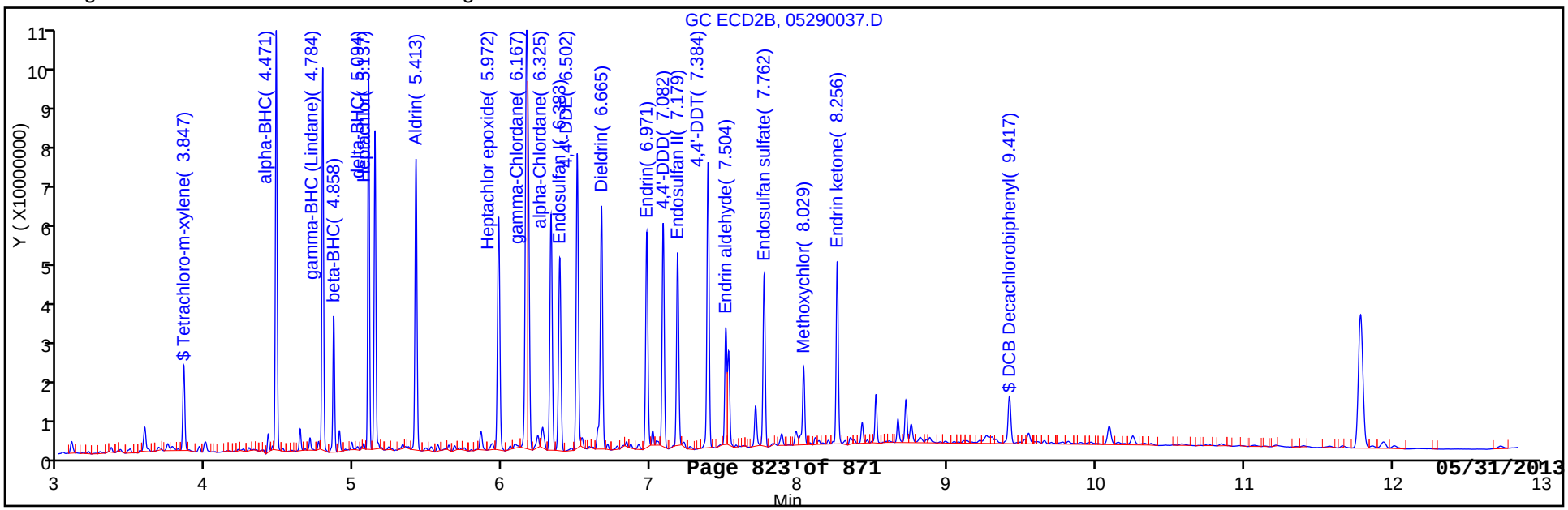
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290037.D		
Injection Date:	29-May-2013 23:36:29	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0308AS	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	37
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0308AA MS | Lab Sample ID: 280-42047-8 MS

Matrix: Solid | Lab File ID: 05290037.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:16

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 30.5(g) | Date Analyzed: 05/29/2013 23:36

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
319-85-7	beta-BHC	15.0		1.9	0.78	0.75
319-86-8	delta-BHC	16.4		1.9	0.78	0.45
58-89-9	gamma-BHC (Lindane)	17.4		1.9	0.78	0.53

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		55-130
877-09-8	Tetrachloro-m-xylene	70		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290037.D		
Lims ID:	280-42047-C-8-B MS	Client ID:	B301SCS0308AS
Inject. Date:	29-May-2013 23:36:29	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	280-42047-C-8-B		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	176329	Lims Sample ID:	37
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:55	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:30:22

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.767	0.004	20119508	16.7			
2	2	3.847	3.845	0.002	19243078	14.0			
						RPD = 17.32			
10 alpha-BHC									
1	-65	4.349	4.346	0.003	75398157	54.0			
2	2	4.471	4.470	0.001	80749854	44.9			
						RPD = 18.48			
11 gamma-BHC (Lindane)									
1	-65	4.640	4.637	0.003	62368797	51.0			
2	2	4.784	4.784	0.000	72328004	46.1			
						RPD = 10.08			
12 beta-BHC									
1	100	4.718	4.716	0.002	27014455	52.5			
2	2	4.858	4.857	0.001	26289447	39.6			
						RPD = 28.15			
13 delta-BHC									
1	100	4.866	4.864	0.002	63844471	50.6			
2	2	5.094	5.093	0.001	69556419	43.5			
						RPD = 15.21			
15 Heptachlor									
1	100	5.039	5.038	0.001	50998010	47.0			
2	2	5.137	5.136	0.001	63810928	46.2			
						RPD = 1.72			
16 Aldrin									
1	-65	5.293	5.291	0.002	56795915	48.8			
2	2	5.413	5.413	0.000	65353274	44.7			
						RPD = 8.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
22 Heptachlor epoxide									
1	-65	5.868	5.867	0.001	53288068	51.5			
2	2	5.972	5.971	0.001	60576275	45.7			
						RPD = 11.99			
23 gamma-Chlordane									M
1	-65	6.001	5.999	0.002	53358748	49.1			
2	2	6.167	6.171	-0.004	53959792	39.2			
						RPD = 22.39			
24 alpha-Chlordane									
1	-65	6.144	6.143	0.001	59117020	54.8			
2	2	6.325	6.325	0.000	62398110	46.9			
						RPD = 15.58			
25 4,4'-DDE									
1	-65	6.224	6.225	-0.001	61239769	50.6			
2	2	6.502	6.502	0.000	71563209	51.5			
						RPD = 1.86			
26 Endosulfan I									
1	100	6.285	6.284	0.001	46160216	45.9			
2	2	6.383	6.384	-0.001	51936587	42.9			
						RPD = 6.86			
28 Dieldrin									
1	100	6.529	6.528	0.001	54184372	49.9			
2	2	6.665	6.665	0.000	66560438	49.2			
						RPD = 1.51			
30 Endrin									
1	-65	6.762	6.761	0.001	45920974	53.2			
2	2	6.971	6.971	0.000	53101515	50.3			
						RPD = 5.56			
32 4,4'-DDD									
1	100	6.827	6.827	0.000	46567567	54.3			
2	2	7.082	7.083	-0.001	54370146	50.0			
						RPD = 8.26			
34 Endosulfan II									
1	100	6.982	6.980	0.002	41117563	44.6			
2	2	7.179	7.178	0.001	46905282	41.2			
						RPD = 8.08			
35 4,4'-DDT									
1	-65	7.102	7.101	0.001	61881784	72.3			
2	2	7.384	7.384	0.000	70110387	73.6			
						RPD = 1.84			
36 Endrin aldehyde									
1	-65	7.385	7.384	0.001	24901042	30.5			
2	2	7.504	7.505	-0.001	27724828	27.9			
						RPD = 9.04			
37 Methoxychlor									
1	-65	7.562	7.562	0.000	15496773	36.4			
2	2	8.029	8.031	-0.002	20444310	45.0			
						RPD = 21.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65	7.794	7.792	0.002	36149947	43.4			
2	2	7.762	7.763	-0.001	41168487	40.5			
						RPD = 7.08			
40 Endrin ketone									
1	-65	8.052	8.052	0.000	38126576	39.6			
2	2	8.256	8.256	0.000	43216745	38.4			
						RPD = 2.98			
$ 41 DCB Decachlorobiphenyl									
1	1	8.962	8.962	0.000	16322059	20.7			
2	2	9.417	9.417	0.000	15464090	20.9			
						RPD = 1.13			

QC Flag Legend

Review Flags
M - Manually Integrated

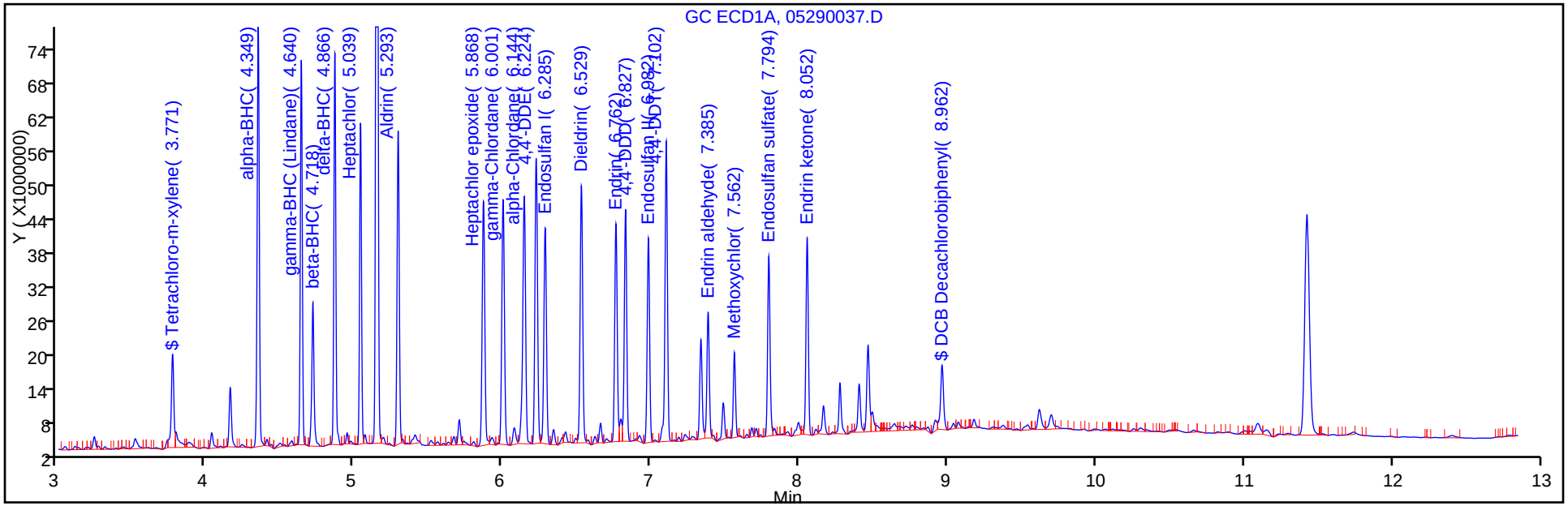
Report Date: 30-May-2013 07:33:07 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

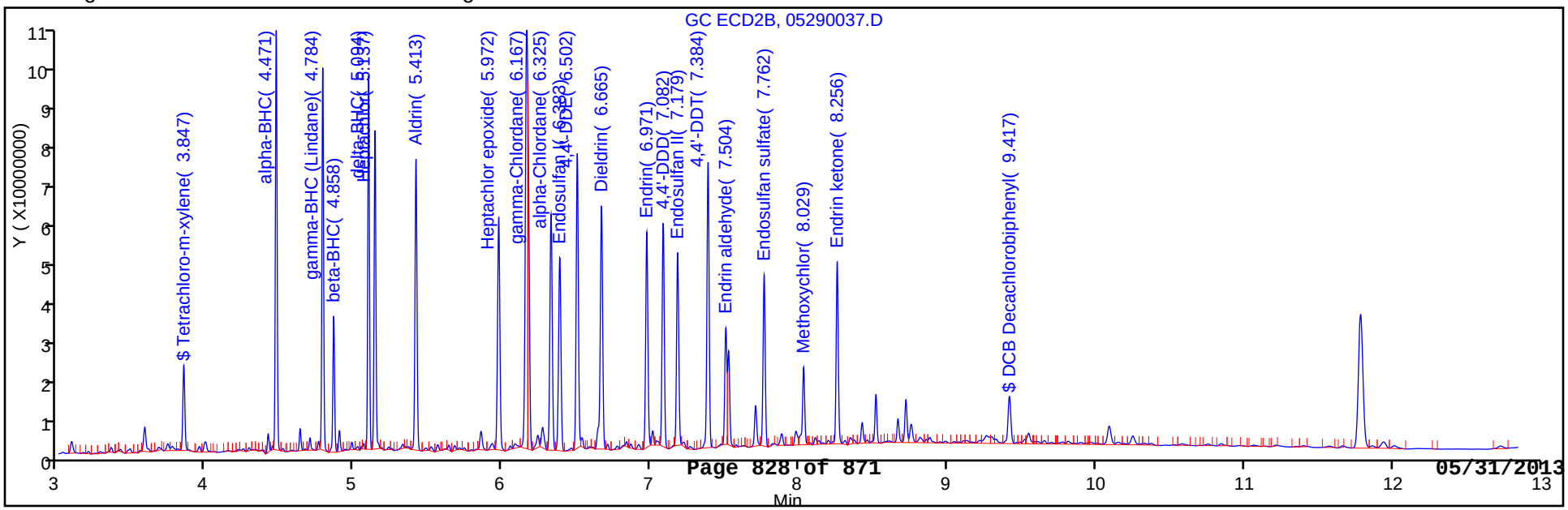
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Injection Date:	29-May-2013 23:36:29	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0308AS	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	37
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0308AA MS | Lab Sample ID: 280-42047-8 MS

Matrix: Solid | Lab File ID: 05290039.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:16

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 30.0(g) | Date Analyzed: 05/30/2013 00:09

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	147	Q J	200	31	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	102		55-130
877-09-8	Tetrachloro-m-xylene	67	Q	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290039.D		
Lims ID:	280-42047-A-8-A MS	Client ID:	B301SCS0308AS
Inject. Date:	30-May-2013 00:09:18	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	280-42047-A-8-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	33
Lims Batch ID:	176329	Lims Sample ID:	39
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:55	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	DENPC359		

First Level Reviewer: wellsd Date: 30-May-2013 07:31:13

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.767	0.003	16386333	13.5			
2	2	3.847	3.845	0.002	20089218	14.7			
						RPD = 8.48			
20 Toxaphene									M
1	-65	6.127	6.120	0.007	4013782	1304.1		100.0	M
1	-65	6.623	6.630	-0.007	2042690	118.3	515.9- 555.9	50.9	M
1	-65	7.304	7.310	-0.006	3048225	102.6	731.1- 771.1	75.9	M
1	-65	7.708	7.709	-0.001	4858681	99.5	1471.6-1511.6	121.0	M
1	-65	8.163	8.178	-0.015	5833442	288.9	701.3- 741.3	145.3	M
			Average of Peak Amounts =			382.7			
2	6	6.643	6.650	-0.007	7163664	483.1		100.0	M
2	7	6.914	6.918	-0.004	3303344	116.9	185.9- 245.9	46.1	M
2	8	7.259	7.267	-0.008	7516716	173.9	281.4- 341.4	104.9	M
2	9	7.523	7.516	0.007	24037161	431.7	371.6- 431.6	335.5	M
2	10	8.344	8.350	-0.006	6422035	331.1	123.9- 183.9	89.6	M
			Average of Peak Amounts =			307.3			
						RPD = 21.84			
$ 41 DCB Decachlorobiphenyl									M
1	1	8.963	8.962	0.001	16197636	20.5			
2	2	9.418	9.417	0.001	14819655	20.0			M
						RPD = 2.59			

QC Flag Legend

Review Flags
M - Manually Integrated

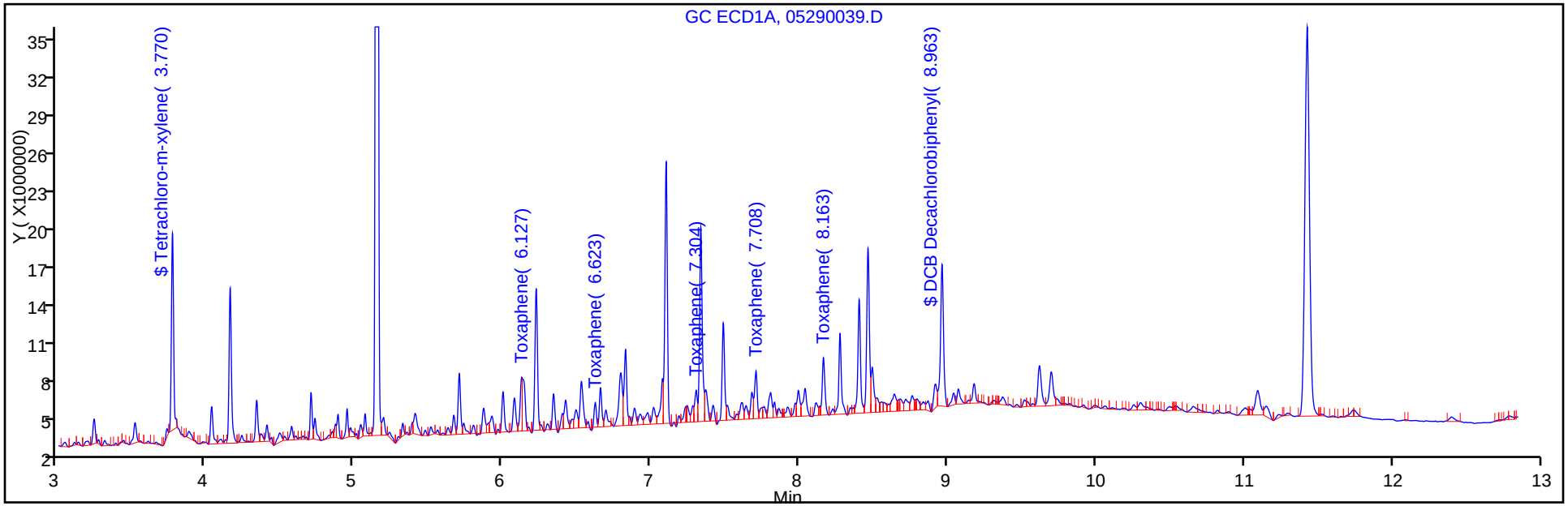
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TestAmerica Denver

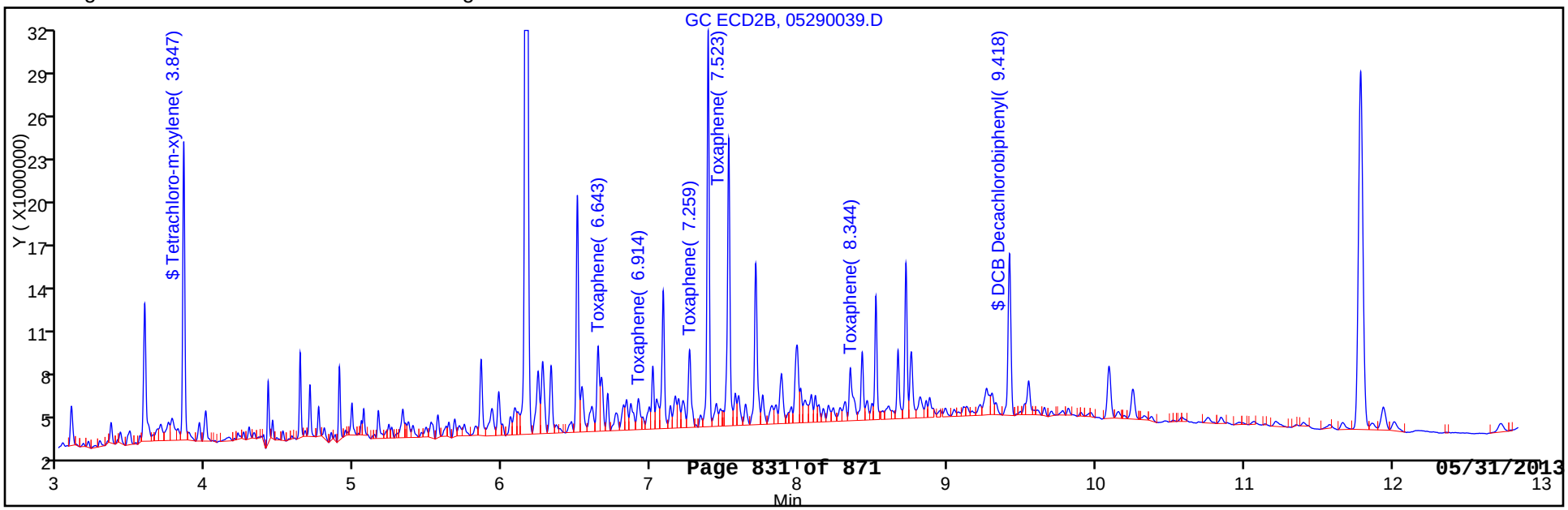
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290039.D

Injection Date:	30-May-2013 00:09:18	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0308AS	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	39
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



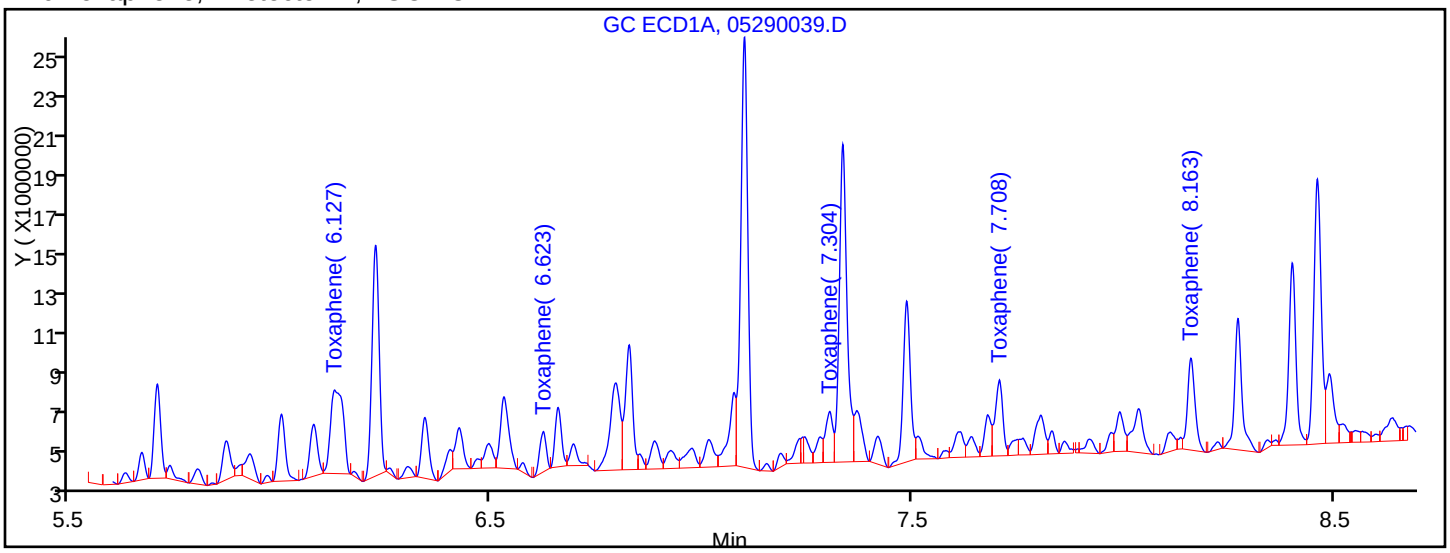
Report Date: 30-May-2013 07:33:09 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290039.D

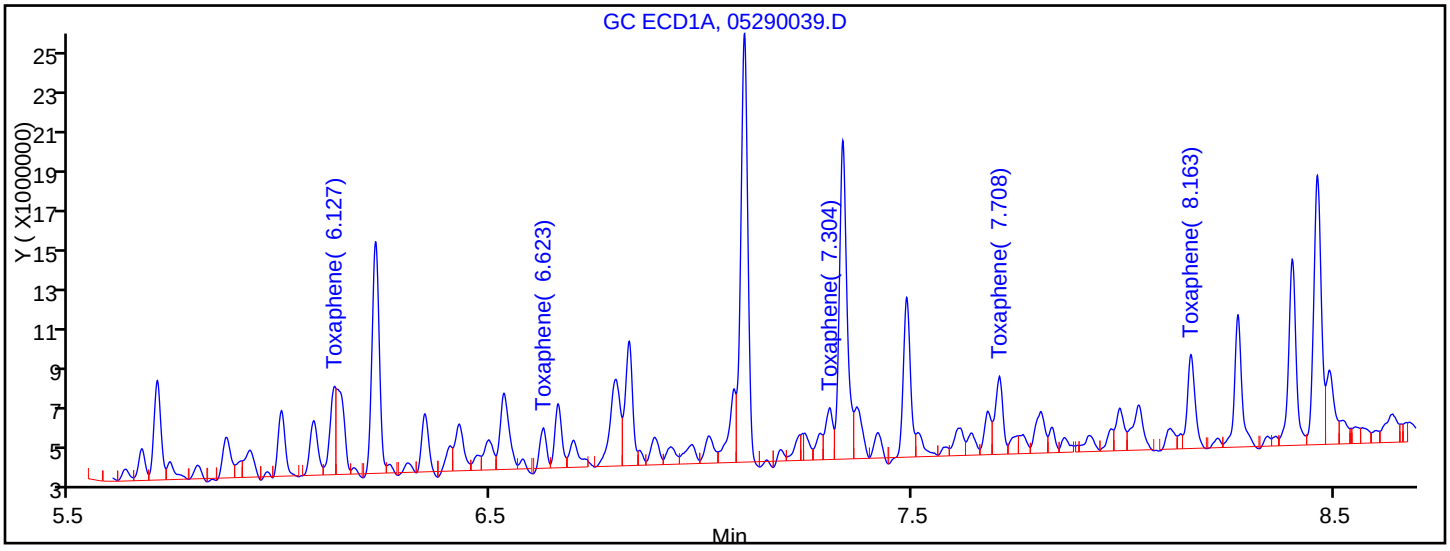
Injection Date:	30-May-2013 00:09:18	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0308AS	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	39
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.127	Response = 8580600	M
RT = 6.623	Response = 2122868	M
RT = 7.304	Response = 2983013	M
RT = 7.708	Response = 4626123	M
RT = 8.163	Response = 5591073	M



Manual Integration Results

RT = 6.127	Response = 4013782	M
RT = 6.623	Response = 2042690	M
RT = 7.304	Response = 3048225	M
RT = 7.708	Response = 4858681	M
RT = 8.163	Response = 5833442	M

Reviewer: wellsd, 30-May-2013 07:31:13

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0308AA MSD | Lab Sample ID: 280-42047-8 MSD

Matrix: Solid | Lab File ID: 05290038.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:16

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 32.5(g) | Date Analyzed: 05/29/2013 23:52

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	19.0		1.8	0.73	0.58
72-55-9	4,4'-DDE	18.2		1.8	0.49	0.25
50-29-3	4,4'-DDT	26.5		2.1	0.73	0.63
309-00-2	Aldrin	17.1		1.8	0.49	0.27
319-84-6	alpha-BHC	19.1		1.8	0.49	0.23
5103-71-9	alpha-Chlordane	19.7		1.8	0.49	0.34
60-57-1	Dieldrin	17.2		1.8	0.49	0.22
959-98-8	Endosulfan I	15.7		1.8	0.49	0.19
33213-65-9	Endosulfan II	15.2		1.8	0.49	0.31
1031-07-8	Endosulfan sulfate	14.5		1.8	0.49	0.29
72-20-8	Endrin	18.1		1.8	0.49	0.33
7421-93-4	Endrin aldehyde	10.5		1.8	0.49	0.18
53494-70-5	Endrin ketone	13.2		1.8	0.73	0.52
5103-74-2	gamma-Chlordane	17.4		1.8	0.73	0.28
76-44-8	Heptachlor	16.5		1.8	0.49	0.23
1024-57-3	Heptachlor epoxide	17.6		1.8	0.73	0.45
72-43-5	Methoxychlor	12.2		3.5	0.73	0.48

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	101		55-130
877-09-8	Tetrachloro-m-xylene	82		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290038.D
Lims ID: 280-42047-C-8-C MSD Client ID: B301SCS0308AD
Inject. Date: 29-May-2013 23:52:54 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 280-42047-C-8-C
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 32
Lims Batch ID: 176329 Lims Sample ID: 38
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:55 Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: DENPC359

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.767	0.004	19750635	16.3			
2	2	3.847	3.845	0.002	20549167	15.0			
						RPD = 8.59			
10 alpha-BHC									
1	-65	4.349	4.346	0.003	75154682	53.8			
2	2	4.470	4.470	0.000	80545447	44.8			
						RPD = 18.41			
11 gamma-BHC (Lindane)									
1	-65	4.639	4.637	0.002	62118555	50.8			
2	2	4.784	4.784	0.000	72253226	46.1			
						RPD = 9.78			
12 beta-BHC									
1	100	4.718	4.716	0.002	28485848	55.5			
2	2	4.859	4.857	0.002	25306027	38.1			
						RPD = 37.24			
13 delta-BHC									
1	100	4.865	4.864	0.001	62895142	49.9			
2	2	5.094	5.093	0.001	67255633	42.0			
						RPD = 17.08			
15 Heptachlor									
1	100	5.039	5.038	0.001	50588780	46.6			
2	2	5.137	5.136	0.001	63376193	45.9			
						RPD = 1.59			
16 Aldrin									
1	-65	5.294	5.291	0.003	56135976	48.2			
2	2	5.414	5.413	0.001	64489619	44.1			
						RPD = 8.77			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
22 Heptachlor epoxide									
1	-65	5.869	5.867	0.002	51437677	49.7			
2	2	5.972	5.971	0.001	59559874	44.9			
						RPD = 10.12			
23 gamma-Chlordane									
1	-65	6.001	5.999	0.002	53294713	49.0			
2	2	6.172	6.171	0.001	88222427	64.5			
						RPD = 27.26			
24 alpha-Chlordane									
1	-65	6.144	6.143	0.001	59904907	55.6			
2	2	6.326	6.325	0.001	62333760	46.9			
						RPD = 17.02			
25 4,4'-DDE									
1	-65	6.226	6.225	0.001	62112609	51.3			
2	2	6.503	6.502	0.001	71995240	51.8			
						RPD = 1.04			
26 Endosulfan I									
1	100	6.286	6.284	0.002	44609872	44.3			
2	2	6.384	6.384	0.000	50880384	42.0			
						RPD = 5.47			
28 Dieldrin									
1	100	6.530	6.528	0.002	52594776	48.4			
2	2	6.665	6.665	0.000	65012019	48.0			
						RPD = 0.87			
30 Endrin									
1	-65	6.763	6.761	0.002	44062632	51.1			
2	2	6.971	6.971	0.000	52039611	49.3			
						RPD = 3.47			
32 4,4'-DDD									
1	100	6.828	6.827	0.001	45857951	53.5			
2	2	7.083	7.083	0.000	54077665	49.7			
						RPD = 7.25			
34 Endosulfan II									
1	100	6.982	6.980	0.002	39534996	42.9			
2	2	7.180	7.178	0.002	45825705	40.2			
						RPD = 6.45			
35 4,4'-DDT									
1	-65	7.103	7.101	0.002	64074998	74.8			
2	2	7.384	7.384	0.000	74953850	78.7			
						RPD = 5.05			
36 Endrin aldehyde									
1	-65	7.385	7.384	0.001	24264091	29.7			
2	2	7.505	7.505	0.000	28012150	28.2			
						RPD = 5.29			
37 Methoxychlor									
1	-65	7.562	7.562	0.000	14646692	34.4			
2	2	8.030	8.031	-0.001	18647482	41.0			
						RPD = 17.67			

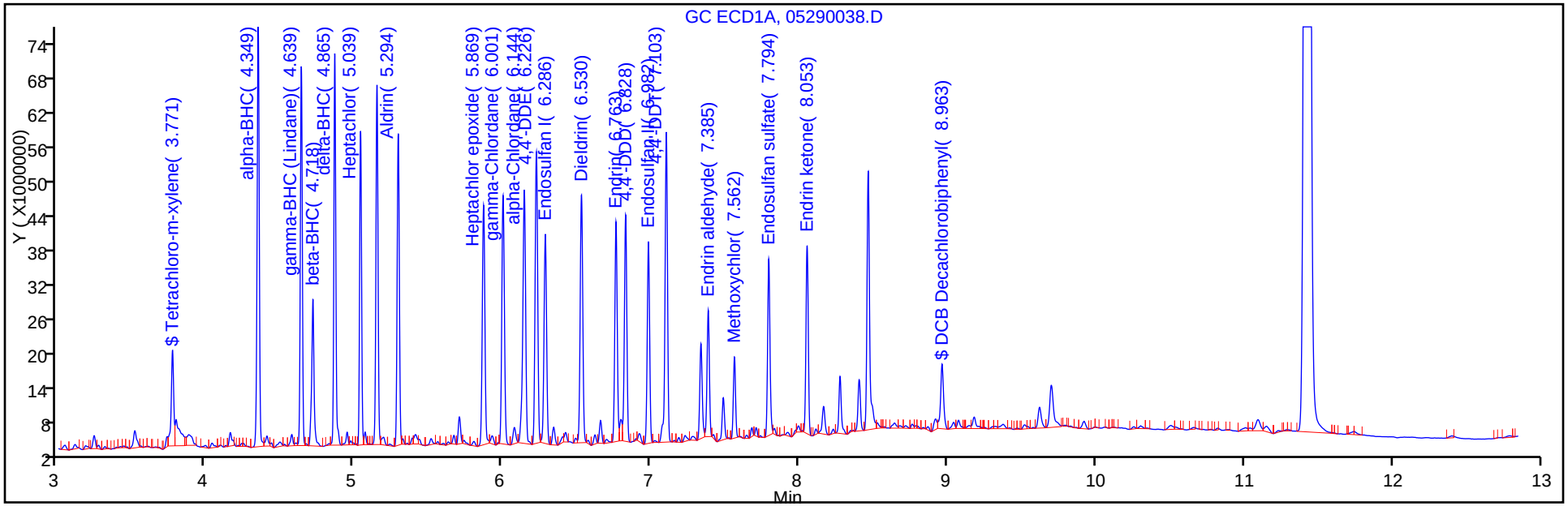
Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65	7.794	7.792	0.002	34163622	41.0			
2	2	7.764	7.763	0.001	39619754	38.9			
						RPD = 5.23			
40 Endrin ketone									
1	-65	8.053	8.052	0.001	35799820	37.1			
2	2	8.256	8.256	0.000	41076489	36.5			
						RPD = 1.71			
$ 41 DCB Decachlorobiphenyl									
1	1	8.963	8.962	0.001	15992531	20.2			
2	2	9.418	9.417	0.001	15019281	20.3			
						RPD = 0.18			

Report Date: 30-May-2013 07:33:08 Chrom Revision: 2.0 25-Apr-2013 12:05:30

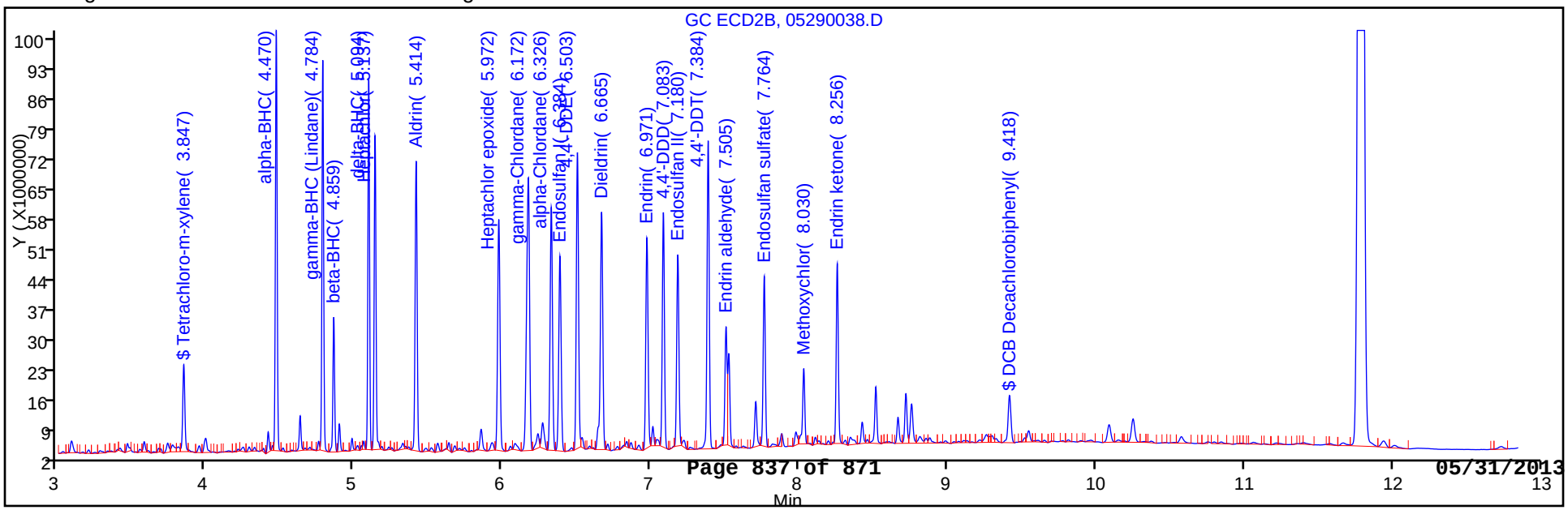
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290038.D		
Injection Date:	29-May-2013 23:52:54	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0308AD	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	38
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0308AA MSD | Lab Sample ID: 280-42047-8 MSD

Matrix: Solid | Lab File ID: 05290038.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:16

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 32.5(g) | Date Analyzed: 05/29/2013 23:52

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
319-85-7	beta-BHC	13.5		1.8	0.73	0.71
319-86-8	delta-BHC	14.9		1.8	0.73	0.43
58-89-9	gamma-BHC (Lindane)	16.3		1.8	0.73	0.49

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	101		55-130
877-09-8	Tetrachloro-m-xylene	75		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290038.D		
Lims ID:	280-42047-C-8-C MSD	Client ID:	B301SCS0308AD
Inject. Date:	29-May-2013 23:52:54	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	280-42047-C-8-C		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	32
Lims Batch ID:	176329	Lims Sample ID:	38
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m		
Last Update:	30-May-2013 07:32:55	Calib Date:	28-May-2013 15:00:41
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	DENPC359		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.771	3.767	0.004	19750635	16.3			
2	2	3.847	3.845	0.002	20549167	15.0			
						RPD = 8.59			
10 alpha-BHC									
1	-65	4.349	4.346	0.003	75154682	53.8			
2	2	4.470	4.470	0.000	80545447	44.8			
						RPD = 18.41			
11 gamma-BHC (Lindane)									
1	-65	4.639	4.637	0.002	62118555	50.8			
2	2	4.784	4.784	0.000	72253226	46.1			
						RPD = 9.78			
12 beta-BHC									
1	100	4.718	4.716	0.002	28485848	55.5			
2	2	4.859	4.857	0.002	25306027	38.1			
						RPD = 37.24			
13 delta-BHC									
1	100	4.865	4.864	0.001	62895142	49.9			
2	2	5.094	5.093	0.001	67255633	42.0			
						RPD = 17.08			
15 Heptachlor									
1	100	5.039	5.038	0.001	50588780	46.6			
2	2	5.137	5.136	0.001	63376193	45.9			
						RPD = 1.59			
16 Aldrin									
1	-65	5.294	5.291	0.003	56135976	48.2			
2	2	5.414	5.413	0.001	64489619	44.1			
						RPD = 8.77			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
22 Heptachlor epoxide									
1	-65	5.869	5.867	0.002	51437677	49.7			
2	2	5.972	5.971	0.001	59559874	44.9			
						RPD = 10.12			
23 gamma-Chlordane									
1	-65	6.001	5.999	0.002	53294713	49.0			
2	2	6.172	6.171	0.001	88222427	64.5			
						RPD = 27.26			
24 alpha-Chlordane									
1	-65	6.144	6.143	0.001	59904907	55.6			
2	2	6.326	6.325	0.001	62333760	46.9			
						RPD = 17.02			
25 4,4'-DDE									
1	-65	6.226	6.225	0.001	62112609	51.3			
2	2	6.503	6.502	0.001	71995240	51.8			
						RPD = 1.04			
26 Endosulfan I									
1	100	6.286	6.284	0.002	44609872	44.3			
2	2	6.384	6.384	0.000	50880384	42.0			
						RPD = 5.47			
28 Dieldrin									
1	100	6.530	6.528	0.002	52594776	48.4			
2	2	6.665	6.665	0.000	65012019	48.0			
						RPD = 0.87			
30 Endrin									
1	-65	6.763	6.761	0.002	44062632	51.1			
2	2	6.971	6.971	0.000	52039611	49.3			
						RPD = 3.47			
32 4,4'-DDD									
1	100	6.828	6.827	0.001	45857951	53.5			
2	2	7.083	7.083	0.000	54077665	49.7			
						RPD = 7.25			
34 Endosulfan II									
1	100	6.982	6.980	0.002	39534996	42.9			
2	2	7.180	7.178	0.002	45825705	40.2			
						RPD = 6.45			
35 4,4'-DDT									
1	-65	7.103	7.101	0.002	64074998	74.8			
2	2	7.384	7.384	0.000	74953850	78.7			
						RPD = 5.05			
36 Endrin aldehyde									
1	-65	7.385	7.384	0.001	24264091	29.7			
2	2	7.505	7.505	0.000	28012150	28.2			
						RPD = 5.29			
37 Methoxychlor									
1	-65	7.562	7.562	0.000	14646692	34.4			
2	2	8.030	8.031	-0.001	18647482	41.0			
						RPD = 17.67			

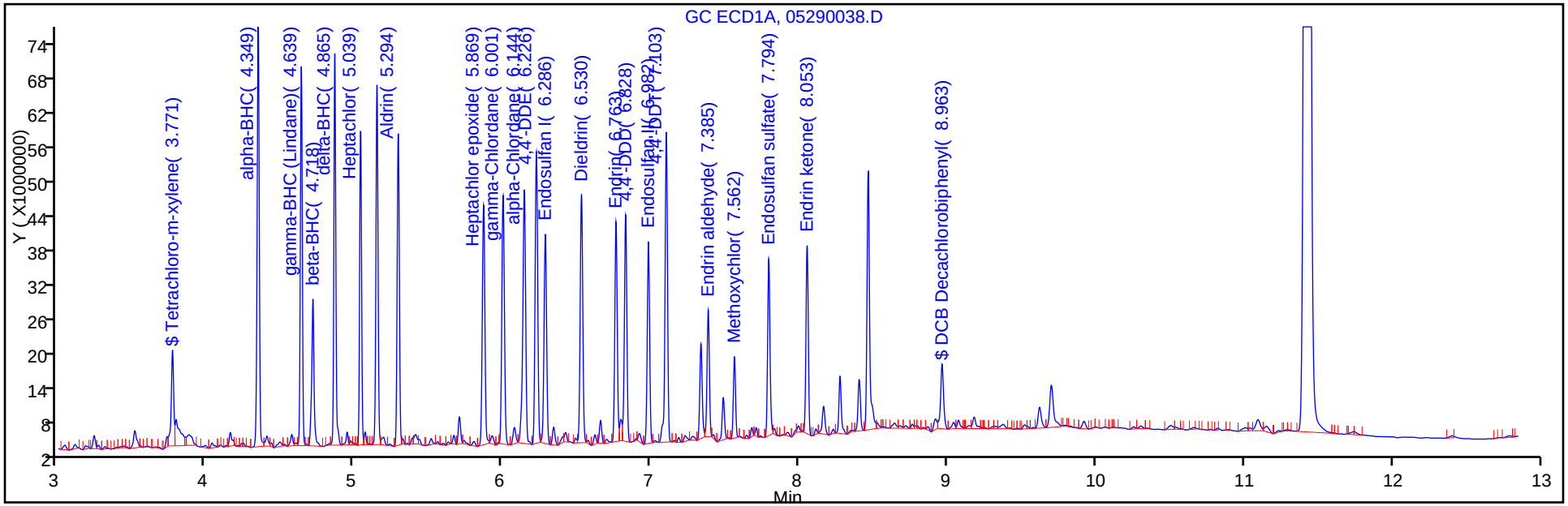
Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65	7.794	7.792	0.002	34163622	41.0			
2	2	7.764	7.763	0.001	39619754	38.9			
						RPD = 5.23			
40 Endrin ketone									
1	-65	8.053	8.052	0.001	35799820	37.1			
2	2	8.256	8.256	0.000	41076489	36.5			
						RPD = 1.71			
$ 41 DCB Decachlorobiphenyl									
1	1	8.963	8.962	0.001	15992531	20.2			
2	2	9.418	9.417	0.001	15019281	20.3			
						RPD = 0.18			

Report Date: 30-May-2013 07:33:08 Chrom Revision: 2.0 25-Apr-2013 12:05:30

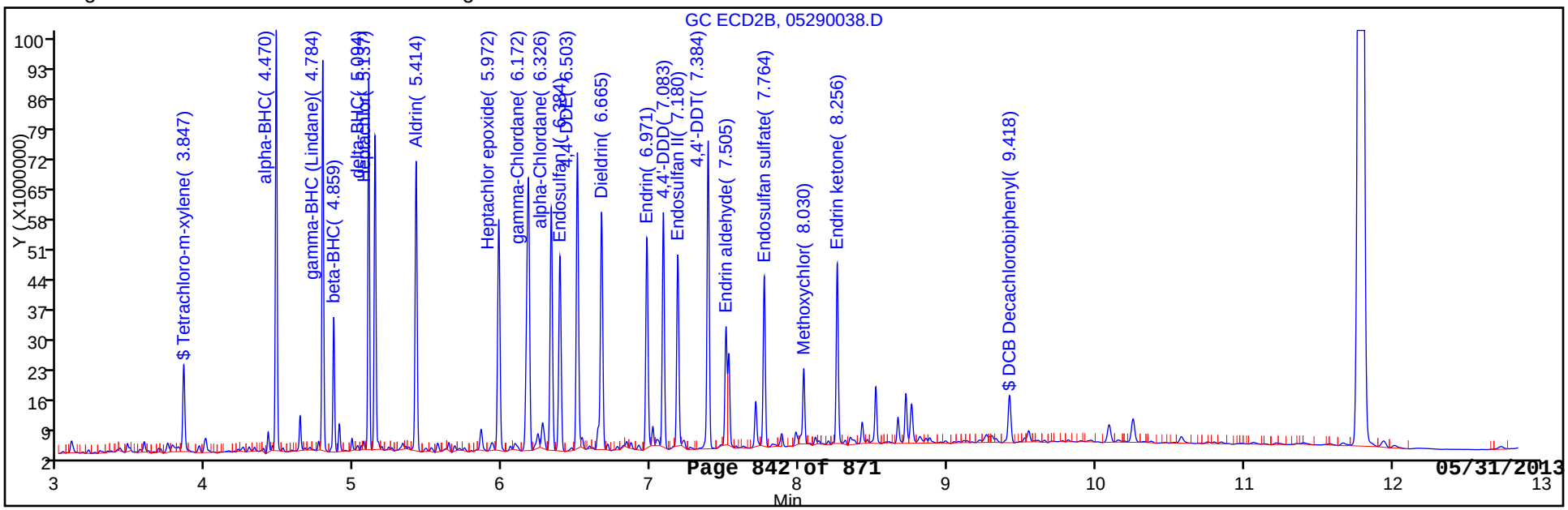
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290038.D		
Injection Date:	29-May-2013 23:52:54	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0308AD	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	38
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-42047-1

SDG No.:

Client Sample ID: B301SCS0308AA MSD | Lab Sample ID: 280-42047-8 MSD

Matrix: Solid | Lab File ID: 05290040.D

Analysis Method: 8081B | Date Collected: 05/06/2013 10:16

Extraction Method: 3546 | Date Extracted: 05/15/2013 11:08

Sample wt/vol: 30.8(g) | Date Analyzed: 05/30/2013 00:25

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 13.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 176329 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	199	Q J	190	30	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		55-130
877-09-8	Tetrachloro-m-xylene	65	Q	70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290040.D
Lims ID: 280-42047-A-8-B MSD
Client ID: B301SCS0308AD
Inject. Date: 30-May-2013 00:25:44
Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 280-42047-A-8-B
Misc. Info.:
Operator: DW
Instrument ID: SGC_P2
Injection Vol: 1.0 ul
ALS Bottle#: 34
Lims Batch ID: 176329
Lims Sample ID: 40
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\8081 P2.m
Last Update: 30-May-2013 07:32:55
Calib Date: 28-May-2013 15:00:41
Quant Method: External Standard
Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20130528-12015.b\0528A015.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1
Column Dia: 0.32 mm
Process Host: DENPC359

First Level Reviewer: wellsd
Date: 30-May-2013 07:31:34

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.770	3.767	0.003	15844507	13.0			
2	2	3.847	3.845	0.002	21193651	15.5			
						RPD = 17.53			
20 Toxaphene									M
1	-65	6.128	6.120	0.008	6129434	1980.3		100.0	M
1	-65	6.623	6.630	-0.007	2618054	152.2	515.9- 555.9	42.7	M
1	-65	7.304	7.310	-0.006	3158637	107.1	731.1- 771.1	51.5	M
1	-65	7.708	7.709	-0.001	5149655	105.6	1471.6-1511.6	84.0	M
1	-65	8.164	8.178	-0.014	6245861	307.0	701.3- 741.3	101.9	M
			Average of Peak Amounts =			530.4			
2	6	6.642	6.650	-0.008	7457003	503.0		100.0	M
2	7	6.915	6.918	-0.003	2427149	89.8	185.9- 245.9	32.5	M
2	8	7.259	7.267	-0.008	6386630	149.5	281.4- 341.4	85.6	M
2	9	7.524	7.516	0.008	27489925	488.7	371.6- 431.6	368.6	M
2	10	8.344	8.350	-0.006	5147946	277.3	123.9- 183.9	69.0	M
			Average of Peak Amounts =			301.6			
						RPD = 54.99			
$ 41 DCB Decachlorobiphenyl									
1	1	8.964	8.962	0.002	16444723	20.8			
2	2	9.417	9.417	0.000	15267095	20.6			
						RPD = 1.02			

QC Flag Legend

Review Flags
M - Manually Integrated

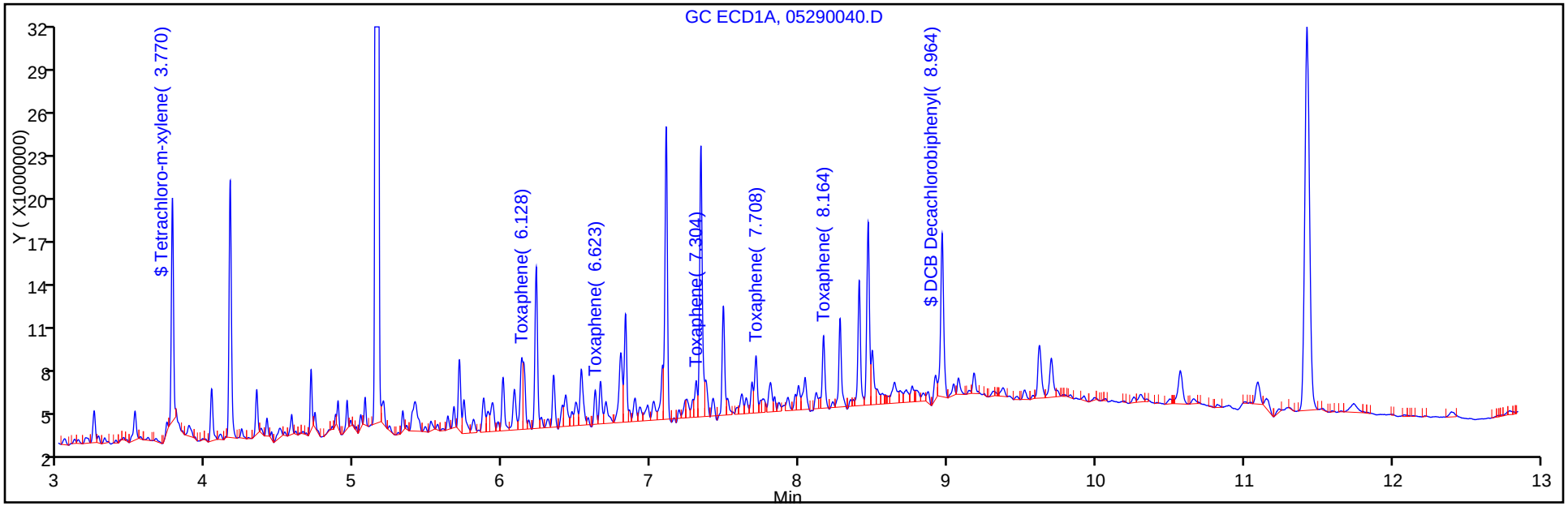
Report Date: 30-May-2013 07:33:11 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

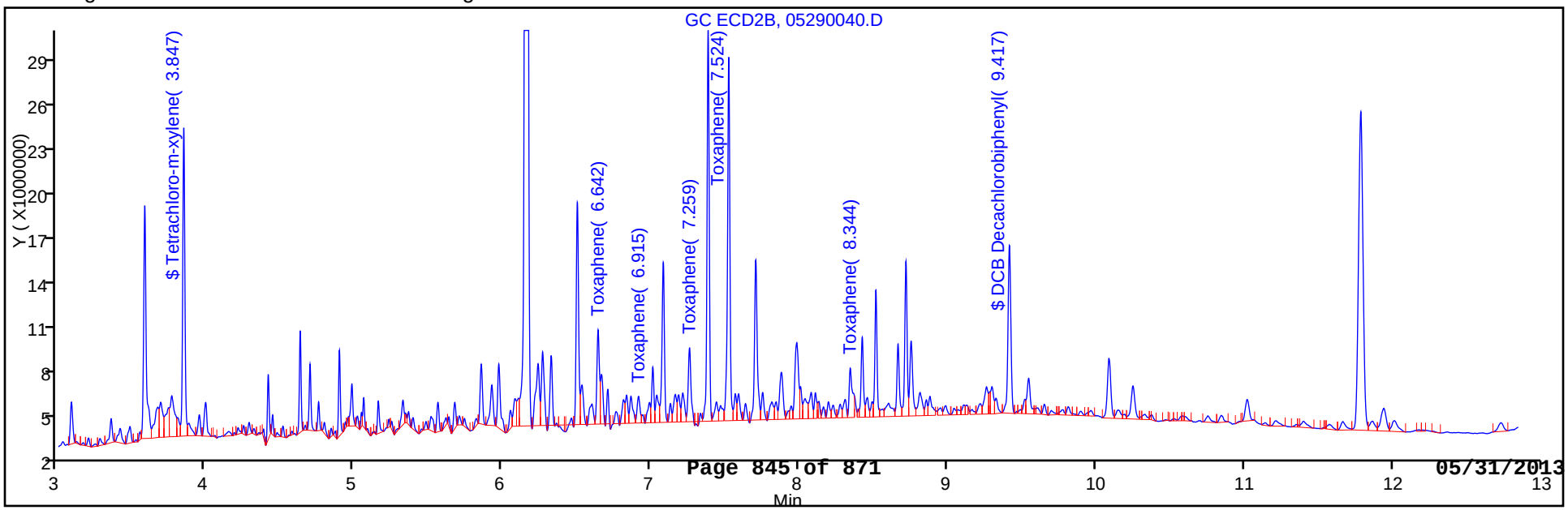
Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290040.D

Injection Date:	30-May-2013 00:25:44	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0308AD	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	40
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



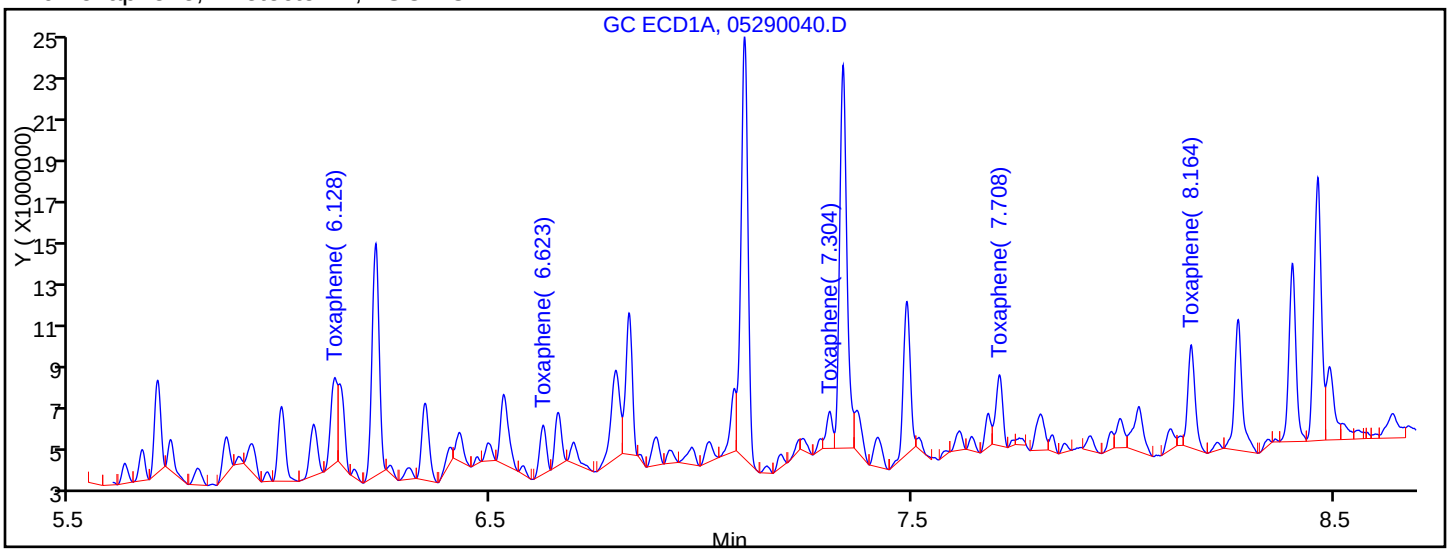
Report Date: 30-May-2013 07:33:11 Chrom Revision: 2.0 25-Apr-2013 12:05:30

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20130529-12064.b\05290040.D

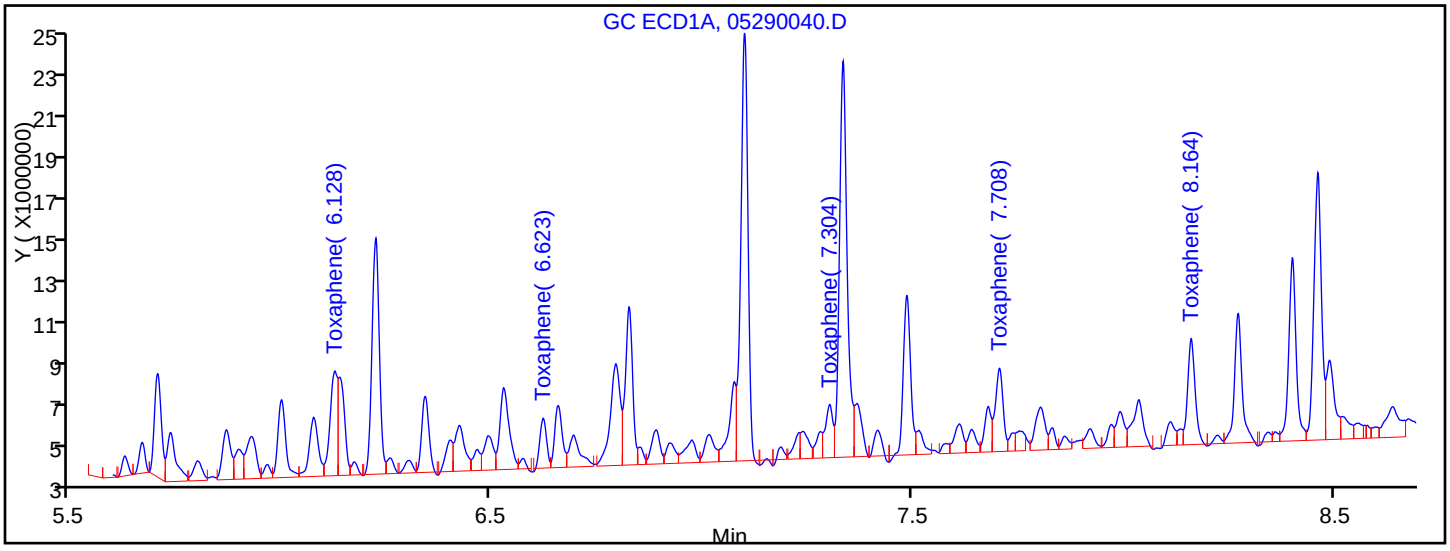
Injection Date:	30-May-2013 00:25:44	Limit Group:	GCSV - 8081A
Client ID:	B301SCS0308AD	Instrument ID:	SGC_P2
Lims Batch ID:	176329	Lims Sample ID:	40
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.128	Response = 4528894	M
RT = 6.623	Response = 2516625	M
RT = 7.304	Response = 1815535	M
RT = 7.708	Response = 3797235	M
RT = 8.164	Response = 5863466	M



Manual Integration Results

RT = 6.128	Response = 6129434	M
RT = 6.623	Response = 2618054	M
RT = 7.304	Response = 3158637	M
RT = 7.708	Response = 5149655	M
RT = 8.164	Response = 6245861	M

Reviewer: wellsd, 30-May-2013 07:31:34

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Start Date: 04/29/2013 12:56

Analysis Batch Number: 171763 End Date: 04/29/2013 23:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 280-171763/1		04/29/2013 12:56	1		CLP1 0.32(mm)
PEM 280-171763/1		04/29/2013 12:56	1		CLP2 0.32(mm)
STD6 280-171763/4 IC		04/29/2013 13:49	1	04290004.D	CLP1 0.32(mm)
STD6 280-171763/4 IC		04/29/2013 13:49	1	04290004.D	CLP2 0.32(mm)
STD5 280-171763/5 IC		04/29/2013 14:06	1	04290005.D	CLP1 0.32(mm)
STD5 280-171763/5 IC		04/29/2013 14:06	1	04290005.D	CLP2 0.32(mm)
STD4 280-171763/6 IC		04/29/2013 14:23	1	04290006.D	CLP1 0.32(mm)
STD4 280-171763/6 IC		04/29/2013 14:23	1	04290006.D	CLP2 0.32(mm)
STD3 280-171763/7 IC		04/29/2013 14:41	1	04290007.D	CLP1 0.32(mm)
STD3 280-171763/7 IC		04/29/2013 14:41	1	04290007.D	CLP2 0.32(mm)
STD2 280-171763/8 IC		04/29/2013 14:58	1	04290008.D	CLP1 0.32(mm)
STD2 280-171763/8 IC		04/29/2013 14:58	1	04290008.D	CLP2 0.32(mm)
STD1 280-171763/9 IC		04/29/2013 15:16	1	04290009.D	CLP1 0.32(mm)
STD1 280-171763/9 IC		04/29/2013 15:16	1	04290009.D	CLP2 0.32(mm)
ICV 280-171763/10		04/29/2013 15:33	1	04290010.D	CLP1 0.32(mm)
ICV 280-171763/10		04/29/2013 15:33	1	04290010.D	CLP2 0.32(mm)
STD6 280-171763/11 IC		04/29/2013 15:51	1		CLP1 0.32(mm)
STD6 280-171763/11 IC		04/29/2013 15:51	1		CLP2 0.32(mm)
STD5 280-171763/12 IC		04/29/2013 16:08	1		CLP1 0.32(mm)
STD5 280-171763/12 IC		04/29/2013 16:08	1		CLP2 0.32(mm)
STD4 280-171763/13 IC		04/29/2013 16:26	1		CLP1 0.32(mm)
STD4 280-171763/13 IC		04/29/2013 16:26	1		CLP2 0.32(mm)
STD3 280-171763/14 IC		04/29/2013 16:43	1		CLP1 0.32(mm)
STD3 280-171763/14 IC		04/29/2013 16:43	1		CLP2 0.32(mm)
STD2 280-171763/15 IC		04/29/2013 17:01	1		CLP1 0.32(mm)
STD2 280-171763/15 IC		04/29/2013 17:01	1		CLP2 0.32(mm)
STD1 280-171763/16 IC		04/29/2013 17:18	1		CLP1 0.32(mm)
STD1 280-171763/16 IC		04/29/2013 17:18	1		CLP2 0.32(mm)
STD6 280-171763/17 IC		04/29/2013 17:36	1		CLP1 0.32(mm)
STD6 280-171763/17 IC		04/29/2013 17:36	1		CLP2 0.32(mm)
STD5 280-171763/18 IC		04/29/2013 17:53	1		CLP1 0.32(mm)
STD5 280-171763/18 IC		04/29/2013 17:53	1		CLP2 0.32(mm)
STD4 280-171763/19 IC		04/29/2013 18:11	1		CLP1 0.32(mm)
STD4 280-171763/19 IC		04/29/2013 18:11	1		CLP2 0.32(mm)
STD3 280-171763/20 IC		04/29/2013 18:28	1		CLP1 0.32(mm)
STD3 280-171763/20 IC		04/29/2013 18:28	1		CLP2 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Start Date: 04/29/2013 12:56

Analysis Batch Number: 171763 End Date: 04/29/2013 23:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD2 280-171763/21 IC		04/29/2013 18:46	1		CLP1 0.32(mm)
STD2 280-171763/21 IC		04/29/2013 18:46	1		CLP2 0.32(mm)
STD1 280-171763/22 IC		04/29/2013 19:04	1		CLP1 0.32(mm)
STD1 280-171763/22 IC		04/29/2013 19:04	1		CLP2 0.32(mm)
ICV 280-171763/23		04/29/2013 19:21	1		CLP1 0.32(mm)
ICV 280-171763/23		04/29/2013 19:21	1		CLP2 0.32(mm)
STD6 280-171763/24 IC		04/29/2013 19:38	1	04290024.D	CLP1 0.32(mm)
STD6 280-171763/24 IC		04/29/2013 19:38	1	04290024.D	CLP2 0.32(mm)
STD5 280-171763/25 IC		04/29/2013 19:56	1	04290025.D	CLP1 0.32(mm)
STD5 280-171763/25 IC		04/29/2013 19:56	1	04290025.D	CLP2 0.32(mm)
STD4 280-171763/26 IC		04/29/2013 20:13	1	04290026.D	CLP1 0.32(mm)
STD4 280-171763/26 IC		04/29/2013 20:13	1	04290026.D	CLP2 0.32(mm)
STD3 280-171763/27 IC		04/29/2013 20:31	1	04290027.D	CLP1 0.32(mm)
STD3 280-171763/27 IC		04/29/2013 20:31	1	04290027.D	CLP2 0.32(mm)
STD2 280-171763/28 IC		04/29/2013 20:48	1	04290028.D	CLP1 0.32(mm)
STD2 280-171763/28 IC		04/29/2013 20:48	1	04290028.D	CLP2 0.32(mm)
STD1 280-171763/29 IC		04/29/2013 21:06	1	04290029.D	CLP1 0.32(mm)
STD1 280-171763/29 IC		04/29/2013 21:06	1	04290029.D	CLP2 0.32(mm)
ICV 280-171763/30		04/29/2013 21:23	1	04290030.D	CLP1 0.32(mm)
ICV 280-171763/30		04/29/2013 21:23	1	04290030.D	CLP2 0.32(mm)
STD5 280-171763/31 IC		04/29/2013 21:41	1		CLP1 0.32(mm)
STD5 280-171763/31 IC		04/29/2013 21:41	1		CLP2 0.32(mm)
STD4 280-171763/32 IC		04/29/2013 21:58	1		CLP1 0.32(mm)
STD4 280-171763/32 IC		04/29/2013 21:58	1		CLP2 0.32(mm)
STD3 280-171763/33 IC		04/29/2013 22:16	1		CLP1 0.32(mm)
STD3 280-171763/33 IC		04/29/2013 22:16	1		CLP2 0.32(mm)
STD2 280-171763/34 IC		04/29/2013 22:33	1		CLP1 0.32(mm)
STD2 280-171763/34 IC		04/29/2013 22:33	1		CLP2 0.32(mm)
STD1 280-171763/35 IC		04/29/2013 22:51	1		CLP1 0.32(mm)
STD1 280-171763/35 IC		04/29/2013 22:51	1		CLP2 0.32(mm)
ICV 280-171763/36		04/29/2013 23:08	1		CLP1 0.32(mm)
ICV 280-171763/36		04/29/2013 23:08	1		CLP2 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Start Date: 05/15/2013 11:57

Analysis Batch Number: 174317 End Date: 05/15/2013 19:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 280-174317/7		05/15/2013 11:57	1	05150007.D	CLP1 0.32(mm)
PEM 280-174317/7		05/15/2013 11:57	1	05150007.D	CLP2 0.32(mm)
STD2 280-174317/10 IC		05/15/2013 13:01	1		CLP1 0.32(mm)
STD2 280-174317/10 IC		05/15/2013 13:01	1		CLP2 0.32(mm)
STD1 280-174317/11 IC		05/15/2013 13:25	1		CLP1 0.32(mm)
STD1 280-174317/11 IC		05/15/2013 13:25	1		CLP2 0.32(mm)
ZZZZZ		05/15/2013 13:49	1		CLP1 0.32(mm)
ZZZZZ		05/15/2013 13:49	1		CLP2 0.32(mm)
ZZZZZ		05/15/2013 14:12	1		CLP1 0.32(mm)
ZZZZZ		05/15/2013 14:12	1		CLP2 0.32(mm)
ZZZZZ		05/15/2013 15:06	1		CLP1 0.32(mm)
ZZZZZ		05/15/2013 15:06	1		CLP2 0.32(mm)
ZZZZZ		05/15/2013 15:24	1		CLP1 0.32(mm)
ZZZZZ		05/15/2013 15:24	1		CLP2 0.32(mm)
CCVRT 280-174317/16		05/15/2013 15:41	1	05150016.D	CLP1 0.32(mm)
CCVRT 280-174317/16		05/15/2013 15:41	1	05150016.D	CLP2 0.32(mm)
CCV 280-174317/17		05/15/2013 15:59	1	05150017.D	CLP1 0.32(mm)
CCV 280-174317/17		05/15/2013 15:59	1		CLP2 0.32(mm)
MB 280-174025/1-A		05/15/2013 16:16	1	05150018.D	CLP1 0.32(mm)
MB 280-174025/1-A		05/15/2013 16:16	1	05150018.D	CLP2 0.32(mm)
LCS 280-174025/6-A		05/15/2013 16:34	1	05150019.D	CLP1 0.32(mm)
ZZZZZ		05/15/2013 16:34	1		CLP2 0.32(mm)
LCS 280-174025/2-A		05/15/2013 16:51	1	05150020.D	CLP1 0.32(mm)
LCS 280-174025/2-A		05/15/2013 16:51	1	05150020.D	CLP2 0.32(mm)
LCSD 280-174025/3-A		05/15/2013 17:09	1	05150021.D	CLP1 0.32(mm)
LCSD 280-174025/3-A		05/15/2013 17:09	1	05150021.D	CLP2 0.32(mm)
ZZZZZ		05/15/2013 17:26	1		CLP1 0.32(mm)
ZZZZZ		05/15/2013 17:26	1		CLP2 0.32(mm)
ZZZZZ		05/15/2013 17:44	1		CLP1 0.32(mm)
ZZZZZ		05/15/2013 17:44	1		CLP2 0.32(mm)
ZZZZZ		05/15/2013 18:01	1		CLP1 0.32(mm)
ZZZZZ		05/15/2013 18:01	1		CLP2 0.32(mm)
ZZZZZ		05/15/2013 18:19	1		CLP1 0.32(mm)
ZZZZZ		05/15/2013 18:19	1		CLP2 0.32(mm)
280-42047-11	050613AE	05/15/2013 18:36	1	05150026.D	CLP1 0.32(mm)
280-42047-11	050613AE	05/15/2013 18:36	1	05150026.D	CLP2 0.32(mm)
CCV 280-174317/27		05/15/2013 18:54	1	05150027.D	CLP1 0.32(mm)
CCV 280-174317/27		05/15/2013 18:54	1	05150027.D	CLP2 0.32(mm)
CCV 280-174317/28		05/15/2013 19:11	1	05150028.D	CLP1 0.32(mm)
CCV 280-174317/28		05/15/2013 19:11	1		CLP2 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 05/09/2013 19:10

Analysis Batch Number: 173579 End Date: 05/10/2013 01:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 280-173579/7		05/09/2013 19:10	1		CLP1 0.32(mm)
PEM 280-173579/7		05/09/2013 19:10	1		CLP2 0.32(mm)
STD6 280-173579/10 IC		05/09/2013 20:00	1		CLP1 0.32(mm)
STD6 280-173579/10 IC		05/09/2013 20:00	1		CLP2 0.32(mm)
STD5 280-173579/11 IC		05/09/2013 20:16	1		CLP1 0.32(mm)
STD5 280-173579/11 IC		05/09/2013 20:16	1		CLP2 0.32(mm)
STD4 280-173579/12 IC		05/09/2013 20:33	1		CLP1 0.32(mm)
STD4 280-173579/12 IC		05/09/2013 20:33	1		CLP2 0.32(mm)
STD3 280-173579/13 IC		05/09/2013 20:49	1		CLP1 0.32(mm)
STD3 280-173579/13 IC		05/09/2013 20:49	1		CLP2 0.32(mm)
STD2 280-173579/14 IC		05/09/2013 21:06	1		CLP1 0.32(mm)
STD2 280-173579/14 IC		05/09/2013 21:06	1		CLP2 0.32(mm)
STD1 280-173579/15 IC		05/09/2013 21:22	1		CLP1 0.32(mm)
STD1 280-173579/15 IC		05/09/2013 21:22	1		CLP2 0.32(mm)
ICV 280-173579/16		05/09/2013 21:39	1		CLP1 0.32(mm)
ICV 280-173579/16		05/09/2013 21:39	1		CLP2 0.32(mm)
STD6 280-173579/17 IC		05/09/2013 21:55	1		CLP1 0.32(mm)
STD6 280-173579/17 IC		05/09/2013 21:55	1		CLP2 0.32(mm)
STD5 280-173579/18 IC		05/09/2013 22:12	1		CLP1 0.32(mm)
STD5 280-173579/18 IC		05/09/2013 22:12	1		CLP2 0.32(mm)
STD4 280-173579/19 IC		05/09/2013 22:28	1		CLP1 0.32(mm)
STD4 280-173579/19 IC		05/09/2013 22:28	1		CLP2 0.32(mm)
STD3 280-173579/20 IC		05/09/2013 22:45	1		CLP1 0.32(mm)
STD3 280-173579/20 IC		05/09/2013 22:45	1		CLP2 0.32(mm)
STD2 280-173579/21 IC		05/09/2013 23:01	1		CLP1 0.32(mm)
STD2 280-173579/21 IC		05/09/2013 23:01	1		CLP2 0.32(mm)
STD1 280-173579/22 IC		05/09/2013 23:18	1		CLP1 0.32(mm)
STD1 280-173579/22 IC		05/09/2013 23:18	1		CLP2 0.32(mm)
ICV 280-173579/23		05/09/2013 23:34	1		CLP1 0.32(mm)
ICV 280-173579/23		05/09/2013 23:34	1		CLP2 0.32(mm)
STD6 280-173579/24 IC		05/09/2013 23:51	1	05090024.D	CLP1 0.32(mm)
STD6 280-173579/24 IC		05/09/2013 23:51	1	05090024.D	CLP2 0.32(mm)
STD5 280-173579/25 IC		05/10/2013 00:07	1	05090025.D	CLP1 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 05/09/2013 19:10

Analysis Batch Number: 173579 End Date: 05/10/2013 01:30

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD5 280-173579/25 IC		05/10/2013 00:07	1	05090025.D	CLP2 0.32(mm)
STD4 280-173579/26 IC		05/10/2013 00:24	1	05090026.D	CLP1 0.32(mm)
STD4 280-173579/26 IC		05/10/2013 00:24	1	05090026.D	CLP2 0.32(mm)
STD3 280-173579/27 IC		05/10/2013 00:40	1	05090027.D	CLP1 0.32(mm)
STD3 280-173579/27 IC		05/10/2013 00:40	1	05090027.D	CLP2 0.32(mm)
STD2 280-173579/28 IC		05/10/2013 00:57	1	05090028.D	CLP1 0.32(mm)
STD2 280-173579/28 IC		05/10/2013 00:57	1	05090028.D	CLP2 0.32(mm)
STD1 280-173579/29 IC		05/10/2013 01:13	1	05090029.D	CLP1 0.32(mm)
STD1 280-173579/29 IC		05/10/2013 01:13	1	05090029.D	CLP2 0.32(mm)
ICV 280-173579/30		05/10/2013 01:30	1	05090030.D	CLP1 0.32(mm)
ICV 280-173579/30		05/10/2013 01:30	1	05090030.D	CLP2 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 05/28/2013 12:42

Analysis Batch Number: 176155 End Date: 05/28/2013 22:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 280-176155/7		05/28/2013 12:42	1		CLP1 0.32(mm)
PEM 280-176155/7		05/28/2013 12:42	1		CLP2 0.32(mm)
STD6 280-176155/10 IC		05/28/2013 13:37	1	0528A010.D	CLP1 0.32(mm)
STD6 280-176155/10 IC		05/28/2013 13:37	1	0528A010.D	CLP2 0.32(mm)
STD5 280-176155/11 IC		05/28/2013 13:54	1	0528A011.D	CLP1 0.32(mm)
STD5 280-176155/11 IC		05/28/2013 13:54	1	0528A011.D	CLP2 0.32(mm)
STD4 280-176155/12 IC		05/28/2013 14:10	1	0528A012.D	CLP1 0.32(mm)
STD4 280-176155/12 IC		05/28/2013 14:10	1	0528A012.D	CLP2 0.32(mm)
STD3 280-176155/13 IC		05/28/2013 14:27	1	0528A013.D	CLP1 0.32(mm)
STD3 280-176155/13 IC		05/28/2013 14:27	1	0528A013.D	CLP2 0.32(mm)
STD2 280-176155/14 IC		05/28/2013 14:44	1	0528A014.D	CLP1 0.32(mm)
STD2 280-176155/14 IC		05/28/2013 14:44	1	0528A014.D	CLP2 0.32(mm)
STD1 280-176155/15 IC		05/28/2013 15:00	1	0528A015.D	CLP1 0.32(mm)
STD1 280-176155/15 IC		05/28/2013 15:00	1	0528A015.D	CLP2 0.32(mm)
ICV 280-176155/16		05/28/2013 15:17	1	0528A016.D	CLP1 0.32(mm)
ICV 280-176155/16		05/28/2013 15:17	1	0528A016.D	CLP2 0.32(mm)
CCV 280-176155/17		05/28/2013 15:33	1		CLP1 0.32(mm)
CCV 280-176155/17		05/28/2013 15:33	1		CLP2 0.32(mm)
CCV 280-176155/18		05/28/2013 15:50	1		CLP1 0.32(mm)
CCV 280-176155/18		05/28/2013 15:50	1		CLP2 0.32(mm)
ZZZZZ		05/28/2013 16:07	1		CLP1 0.32(mm)
ZZZZZ		05/28/2013 16:07	1		CLP2 0.32(mm)
ZZZZZ		05/28/2013 16:23	1		CLP1 0.32(mm)
ZZZZZ		05/28/2013 16:23	1		CLP2 0.32(mm)
ZZZZZ		05/28/2013 16:40	1		CLP1 0.32(mm)
ZZZZZ		05/28/2013 16:40	1		CLP2 0.32(mm)
ZZZZZ		05/28/2013 16:56	1		CLP1 0.32(mm)
ZZZZZ		05/28/2013 16:56	1		CLP2 0.32(mm)
ZZZZZ		05/28/2013 17:13	1		CLP1 0.32(mm)
ZZZZZ		05/28/2013 17:13	1		CLP2 0.32(mm)
ZZZZZ		05/28/2013 17:29	1		CLP1 0.32(mm)
ZZZZZ		05/28/2013 17:29	1		CLP2 0.32(mm)
ZZZZZ		05/28/2013 17:46	1		CLP1 0.32(mm)
ZZZZZ		05/28/2013 17:46	1		CLP2 0.32(mm)
CCV 280-176155/26		05/28/2013 18:03	1		CLP1 0.32(mm)
CCV 280-176155/26		05/28/2013 18:03	1		CLP2 0.32(mm)
CCV 280-176155/27		05/28/2013 18:19	1		CLP1 0.32(mm)
CCV 280-176155/27		05/28/2013 18:19	1		CLP2 0.32(mm)
CCV 280-176155/28		05/28/2013 18:36	1		CLP1 0.32(mm)
CCV 280-176155/28		05/28/2013 18:36	1		CLP2 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 05/28/2013 12:42

Analysis Batch Number: 176155 End Date: 05/28/2013 22:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 280-176155/29		05/28/2013 18:52	1		CLP1 0.32(mm)
PEM 280-176155/29		05/28/2013 18:52	1		CLP2 0.32(mm)
ZZZZZ		05/28/2013 19:09	1		CLP1 0.32(mm)
ZZZZZ		05/28/2013 19:09	1		CLP2 0.32(mm)
ZZZZZ		05/28/2013 19:26	1		CLP1 0.32(mm)
ZZZZZ		05/28/2013 19:26	1		CLP2 0.32(mm)
ZZZZZ		05/28/2013 19:42	1		CLP1 0.32(mm)
ZZZZZ		05/28/2013 19:42	1		CLP2 0.32(mm)
ZZZZZ		05/28/2013 19:59	1		CLP1 0.32(mm)
ZZZZZ		05/28/2013 19:59	1		CLP2 0.32(mm)
ZZZZZ		05/28/2013 20:15	1		CLP1 0.32(mm)
ZZZZZ		05/28/2013 20:15	1		CLP2 0.32(mm)
ZZZZZ		05/28/2013 20:32	1		CLP1 0.32(mm)
ZZZZZ		05/28/2013 20:32	1		CLP2 0.32(mm)
ZZZZZ		05/28/2013 20:48	1		CLP1 0.32(mm)
ZZZZZ		05/28/2013 20:48	1		CLP2 0.32(mm)
ZZZZZ		05/28/2013 21:05	1		CLP1 0.32(mm)
ZZZZZ		05/28/2013 21:05	1		CLP2 0.32(mm)
ZZZZZ		05/28/2013 21:21	1		CLP1 0.32(mm)
ZZZZZ		05/28/2013 21:21	1		CLP2 0.32(mm)
ZZZZZ		05/28/2013 21:38	1		CLP1 0.32(mm)
ZZZZZ		05/28/2013 21:38	1		CLP2 0.32(mm)
CCV 280-176155/40		05/28/2013 21:54	1		CLP1 0.32(mm)
CCV 280-176155/40		05/28/2013 21:54	1		CLP2 0.32(mm)
CCV 280-176155/41		05/28/2013 22:11	1		CLP1 0.32(mm)
CCV 280-176155/41		05/28/2013 22:11	1		CLP2 0.32(mm)
CCV 280-176155/42		05/28/2013 22:27	1		CLP1 0.32(mm)
CCV 280-176155/42		05/28/2013 22:27	1		CLP2 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 05/29/2013 15:21

Analysis Batch Number: 176329 End Date: 05/30/2013 01:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 280-176329/7		05/29/2013 15:21	1	05290007.D	CLP1 0.32(mm)
PEM 280-176329/7		05/29/2013 15:21	1	05290007.D	CLP2 0.32(mm)
CCVRT 280-176329/10		05/29/2013 16:11	1	05290010.D	CLP1 0.32(mm)
CCVRT 280-176329/10		05/29/2013 16:11	1	05290010.D	CLP2 0.32(mm)
CCV 280-176329/11		05/29/2013 16:27	1	05290011.D	CLP1 0.32(mm)
CCV 280-176329/11		05/29/2013 16:27	1		CLP2 0.32(mm)
ZZZZZ		05/29/2013 16:44	1		CLP1 0.32(mm)
ZZZZZ		05/29/2013 16:44	1		CLP2 0.32(mm)
ZZZZZ		05/29/2013 17:00	1		CLP1 0.32(mm)
ZZZZZ		05/29/2013 17:00	1		CLP2 0.32(mm)
MB 280-174346/1-A		05/29/2013 17:17	1	05290014.D	CLP1 0.32(mm)
MB 280-174346/1-A		05/29/2013 17:17	1	05290014.D	CLP2 0.32(mm)
LCS 280-174346/2-A		05/29/2013 17:33	1	05290015.D	CLP1 0.32(mm)
LCS 280-174346/2-A		05/29/2013 17:33	1	05290015.D	CLP2 0.32(mm)
LCS 280-174346/3-A		05/29/2013 17:50	1	05290016.D	CLP1 0.32(mm)
ZZZZZ		05/29/2013 17:50	1		CLP2 0.32(mm)
CCV 280-176329/17		05/29/2013 18:06	1	05290017.D	CLP1 0.32(mm)
CCV 280-176329/17		05/29/2013 18:06	1	05290017.D	CLP2 0.32(mm)
CCV 280-176329/18		05/29/2013 18:23	1	05290018.D	CLP1 0.32(mm)
CCV 280-176329/18		05/29/2013 18:23	1		CLP2 0.32(mm)
280-42047-1 DL	B301SCS0104AA DL	05/29/2013 18:39	10	05290019.D	CLP1 0.32(mm)
280-42047-1 DL	B301SCS0104AA DL	05/29/2013 18:39	10	05290019.D	CLP2 0.32(mm)
280-42047-2 DL	B301SCS0108AA DL	05/29/2013 18:56	10	05290020.D	CLP1 0.32(mm)
280-42047-2 DL	B301SCS0108AA DL	05/29/2013 18:56	10	05290020.D	CLP2 0.32(mm)
280-42047-3	B301SCS0112AA	05/29/2013 19:12	1	05290021.D	CLP1 0.32(mm)
280-42047-3	B301SCS0112AA	05/29/2013 19:12	1	05290021.D	CLP2 0.32(mm)
280-42047-5 DL	B301SCS0208AA DL	05/29/2013 19:45	10	05290023.D	CLP1 0.32(mm)
280-42047-5 DL	B301SCS0208AA DL	05/29/2013 19:45	10	05290023.D	CLP2 0.32(mm)
280-42047-6	B301SCS0212AA	05/29/2013 20:02	1	05290024.D	CLP1 0.32(mm)
280-42047-6	B301SCS0212AA	05/29/2013 20:02	1	05290024.D	CLP2 0.32(mm)
280-42047-7 DL	B301SCS0304AA DL	05/29/2013 20:18	10	05290025.D	CLP1 0.32(mm)
280-42047-7 DL	B301SCS0304AA DL	05/29/2013 20:18	10	05290025.D	CLP2 0.32(mm)
280-42047-8 DL	B301SCS0308AA DL	05/29/2013 20:35	10	05290026.D	CLP1 0.32(mm)
280-42047-8 DL	B301SCS0308AA DL	05/29/2013 20:35	10	05290026.D	CLP2 0.32(mm)
280-42047-9 DL	B301SCS0312AA DL	05/29/2013 20:51	10	05290027.D	CLP1 0.32(mm)
280-42047-9 DL	B301SCS0312AA DL	05/29/2013 20:51	10	05290027.D	CLP2 0.32(mm)
280-42047-10	B301SCS0112AC	05/29/2013 21:08	1	05290028.D	CLP1 0.32(mm)
280-42047-10	B301SCS0112AC	05/29/2013 21:08	1	05290028.D	CLP2 0.32(mm)
CCV 280-176329/29		05/29/2013 21:24	1	05290029.D	CLP1 0.32(mm)
CCV 280-176329/29		05/29/2013 21:24	1	05290029.D	CLP2 0.32(mm)
CCV 280-176329/30		05/29/2013 21:41	1	05290030.D	CLP1 0.32(mm)
CCV 280-176329/30		05/29/2013 21:41	1		CLP2 0.32(mm)
280-42047-1	B301SCS0104AA	05/29/2013 21:57	1	05290031.D	CLP1 0.32(mm)
280-42047-1	B301SCS0104AA	05/29/2013 21:57	1	05290031.D	CLP2 0.32(mm)
280-42047-2	B301SCS0108AA	05/29/2013 22:14	1	05290032.D	CLP1 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 05/29/2013 15:21

Analysis Batch Number: 176329 End Date: 05/30/2013 01:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
280-42047-2	B301SCS0108AA	05/29/2013 22:14	1	05290032.D	CLP2 0.32(mm)
280-42047-4	B301SCS0204AA	05/29/2013 22:30	1	05290033.D	CLP1 0.32(mm)
280-42047-4	B301SCS0204AA	05/29/2013 22:30	1	05290033.D	CLP2 0.32(mm)
280-42047-5	B301SCS0208AA	05/29/2013 22:47	1	05290034.D	CLP1 0.32(mm)
280-42047-5	B301SCS0208AA	05/29/2013 22:47	1	05290034.D	CLP2 0.32(mm)
280-42047-7	B301SCS0304AA	05/29/2013 23:03	1	05290035.D	CLP1 0.32(mm)
280-42047-7	B301SCS0304AA	05/29/2013 23:03	1	05290035.D	CLP2 0.32(mm)
280-42047-8	B301SCS0308AA	05/29/2013 23:19	1	05290036.D	CLP1 0.32(mm)
280-42047-8	B301SCS0308AA	05/29/2013 23:19	1	05290036.D	CLP2 0.32(mm)
280-42047-8 MS	B301SCS0308AA MS	05/29/2013 23:36	1	05290037.D	CLP1 0.32(mm)
280-42047-8 MS	B301SCS0308AA MS	05/29/2013 23:36	1	05290037.D	CLP2 0.32(mm)
280-42047-8 MSD	B301SCS0308AA MSD	05/29/2013 23:52	1	05290038.D	CLP1 0.32(mm)
280-42047-8 MSD	B301SCS0308AA MSD	05/29/2013 23:52	1	05290038.D	CLP2 0.32(mm)
280-42047-8 MS	B301SCS0308AA MS	05/30/2013 00:09	1	05290039.D	CLP1 0.32(mm)
280-42047-8 MS	B301SCS0308AA MS	05/30/2013 00:09	1	05290039.D	CLP2 0.32(mm)
280-42047-8 MSD	B301SCS0308AA MSD	05/30/2013 00:25	1	05290040.D	CLP1 0.32(mm)
280-42047-8 MSD	B301SCS0308AA MSD	05/30/2013 00:25	1	05290040.D	CLP2 0.32(mm)
280-42047-9	B301SCS0312AA	05/30/2013 00:42	1	05290041.D	CLP1 0.32(mm)
280-42047-9	B301SCS0312AA	05/30/2013 00:42	1	05290041.D	CLP2 0.32(mm)
CCV 280-176329/42		05/30/2013 00:58	1	05290042.D	CLP1 0.32(mm)
CCV 280-176329/42		05/30/2013 00:58	1	05290042.D	CLP2 0.32(mm)
CCV 280-176329/43		05/30/2013 01:15	1	05290043.D	CLP1 0.32(mm)
CCV 280-176329/43		05/30/2013 01:15	1		CLP2 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 05/30/2013 15:54

Analysis Batch Number: 176496 End Date: 05/31/2013 00:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 280-176496/7		05/30/2013 15:54	1	05300007.D	CLP1 0.32(mm)
PEM 280-176496/7		05/30/2013 15:54	1	05300007.D	CLP2 0.32(mm)
CCVRT 280-176496/10		05/30/2013 16:44	1	05300010.D	CLP1 0.32(mm)
CCVRT 280-176496/10		05/30/2013 16:44	1	05300010.D	CLP2 0.32(mm)
CCV 280-176496/11		05/30/2013 17:00	1		CLP1 0.32(mm)
CCV 280-176496/11		05/30/2013 17:00	1		CLP2 0.32(mm)
CCV 280-176496/12		05/30/2013 17:17	1	05300012.D	CLP1 0.32(mm)
CCV 280-176496/12		05/30/2013 17:17	1		CLP2 0.32(mm)
280-42047-4 DL	B301SCS0204AA DL	05/30/2013 17:33	100	05300013.D	CLP1 0.32(mm)
280-42047-4 DL	B301SCS0204AA DL	05/30/2013 17:33	100	05300013.D	CLP2 0.32(mm)
ZZZZZ		05/30/2013 17:50	1		CLP1 0.32(mm)
ZZZZZ		05/30/2013 17:50	1		CLP2 0.32(mm)
ZZZZZ		05/30/2013 18:06	1		CLP1 0.32(mm)
ZZZZZ		05/30/2013 18:06	1		CLP2 0.32(mm)
ZZZZZ		05/30/2013 18:23	1		CLP1 0.32(mm)
ZZZZZ		05/30/2013 18:23	1		CLP2 0.32(mm)
ZZZZZ		05/30/2013 18:40	10		CLP1 0.32(mm)
ZZZZZ		05/30/2013 18:40	10		CLP2 0.32(mm)
ZZZZZ		05/30/2013 18:56	1		CLP1 0.32(mm)
ZZZZZ		05/30/2013 18:56	1		CLP2 0.32(mm)
ZZZZZ		05/30/2013 19:12	1		CLP1 0.32(mm)
ZZZZZ		05/30/2013 19:12	1		CLP2 0.32(mm)
ZZZZZ		05/30/2013 19:29	1		CLP1 0.32(mm)
ZZZZZ		05/30/2013 19:29	1		CLP2 0.32(mm)
ZZZZZ		05/30/2013 19:45	1		CLP1 0.32(mm)
ZZZZZ		05/30/2013 19:45	1		CLP2 0.32(mm)
CCV 280-176496/22		05/30/2013 20:02	1	05300022.D	CLP1 0.32(mm)
CCV 280-176496/22		05/30/2013 20:02	1	05300022.D	CLP2 0.32(mm)
CCV 280-176496/23		05/30/2013 20:18	1		CLP1 0.32(mm)
CCV 280-176496/23		05/30/2013 20:18	1		CLP2 0.32(mm)
CCV 280-176496/24		05/30/2013 20:35	1	05300024.D	CLP1 0.32(mm)
CCV 280-176496/24		05/30/2013 20:35	1		CLP2 0.32(mm)
ZZZZZ		05/30/2013 20:51	1		CLP1 0.32(mm)
ZZZZZ		05/30/2013 20:51	1		CLP2 0.32(mm)
ZZZZZ		05/30/2013 21:08	1		CLP1 0.32(mm)
ZZZZZ		05/30/2013 21:08	1		CLP2 0.32(mm)
ZZZZZ		05/30/2013 21:24	1		CLP1 0.32(mm)
ZZZZZ		05/30/2013 21:24	1		CLP2 0.32(mm)
ZZZZZ		05/30/2013 21:41	1		CLP1 0.32(mm)
ZZZZZ		05/30/2013 21:41	1		CLP2 0.32(mm)
ZZZZZ		05/30/2013 21:57	1		CLP1 0.32(mm)
ZZZZZ		05/30/2013 21:57	1		CLP2 0.32(mm)
ZZZZZ		05/30/2013 22:14	1		CLP1 0.32(mm)
ZZZZZ		05/30/2013 22:14	1		CLP2 0.32(mm)
ZZZZZ		05/30/2013 22:30	1		CLP1 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 05/30/2013 15:54

Analysis Batch Number: 176496 End Date: 05/31/2013 00:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		05/30/2013 22:30	1		CLP2 0.32(mm)
ZZZZZ		05/30/2013 22:47	1		CLP1 0.32(mm)
ZZZZZ		05/30/2013 22:47	1		CLP2 0.32(mm)
ZZZZZ		05/30/2013 23:03	1		CLP1 0.32(mm)
ZZZZZ		05/30/2013 23:03	1		CLP2 0.32(mm)
ZZZZZ		05/30/2013 23:20	1		CLP1 0.32(mm)
ZZZZZ		05/30/2013 23:20	1		CLP2 0.32(mm)
CCV 280-176496/35		05/30/2013 23:36	1		CLP1 0.32(mm)
CCV 280-176496/35		05/30/2013 23:36	1		CLP2 0.32(mm)
CCV 280-176496/36		05/30/2013 23:53	1		CLP1 0.32(mm)
CCV 280-176496/36		05/30/2013 23:53	1		CLP2 0.32(mm)
CCV 280-176496/37		05/31/2013 00:09	1		CLP1 0.32(mm)
CCV 280-176496/37		05/31/2013 00:09	1		CLP2 0.32(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Batch Number: 174025 Batch Start Date: 05/13/13 17:20 Batch Analyst: Munch, Robert

Batch Method: 3510C Batch End Date: 05/14/13 11:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	GrossWeight	TareWeight	InitialAmount	FinalAmount	8081 LCS 00187
MB 280-174025/1		3510C, 8081B		7 SU			1000 mL	10000 uL	
LCS 280-174025/2		3510C, 8081B		7 SU			1000 mL	10000 uL	1 mL
LCSD 280-174025/3		3510C, 8081B		7 SU			1000 mL	10000 uL	1 mL
LCS 280-174025/6		3510C, 8081B		7 SU			1000 mL	10000 uL	
280-42047-A-11	050613AE	3510C, 8081B	T	5 SU	1554.9 g	498.1 g	1056.8 mL	10000 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	8081/82 Surr 00055	8081Toxaphene 00014	AnalysisComment			
MB 280-174025/1		3510C, 8081B		1 mL		Share with 174032/33			
LCS 280-174025/2		3510C, 8081B		1 mL		8081 Share with 174032/33			
LCSD 280-174025/3		3510C, 8081B		1 mL		8081 Share with 174032/33			
LCS 280-174025/6		3510C, 8081B		1 mL	1 mL	TOX			
280-42047-A-11	050613AE	3510C, 8081B	T	1 mL					

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.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Batch Number: 174025 Batch Start Date: 05/13/13 17:20 Batch Analyst: Munch, Robert

Batch Method: 3510C Batch End Date: 05/14/13 11:20

Batch Notes	
Balance ID	24750399
Batch Comment	DV-OP-0006/0007 Pip: OP-P1 (9.6)
Person's name who did the concentration	Redman, E/ Smiley, K
Exchange Solvent Lot #	Hexane_Cycl_00013
Exchange Solvent Name	Hexane (50mL)
HPLC H2O Lot#	S. ELGA
Na2SO4 Lot Number	0000028385_00006
NaCL Lot #	0000026094
Oven, Bath or Block Temperature 1	88
Prep Solvent Lot #	MeCl2_Cycl_00098
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	180 mL
Person's name who did the prep	Munch, R
Person's name who witnessed reagent drop	Reviewer:NRC
Analyst who added reagent	Munch, R PIP: E
Sufficient volume for MS/MSD?	NO
Uncorrected Temperature	90 Degrees C
Water Bath ID	A

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.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Batch Number: 174346 Batch Start Date: 05/15/13 11:08 Batch Analyst: Redman, Erin E

Batch Method: 3546 Batch End Date: 05/23/13 10:06

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8081 LCS 00187	8081/82 Surr 00055	8081Toxaphene 00014	AnalysisComment
MB 280-174346/1		3546, 8081B		31.7 g	10000 uL		1 mL		
LCS 280-174346/2		3546, 8081B		31.3 g	10000 uL	1 mL	1 mL		8081
LCS 280-174346/3		3546, 8081B		31.0 g	10000 uL		1 mL	1 mL	TOX
280-42047-A-1	B301SCS0104AA	3546, 8081B	T	30.9 g	10000 uL		1 mL		
280-42047-A-2	B301SCS0108AA	3546, 8081B	T	31.3 g	10000 uL		1 mL		
280-42047-A-3	B301SCS0112AA	3546, 8081B	T	31.3 g	10000 uL		1 mL		
280-42047-A-4	B301SCS0204AA	3546, 8081B	T	30.9 g	10000 uL		1 mL		
280-42047-A-5	B301SCS0208AA	3546, 8081B	T	32.0 g	10000 uL		1 mL		
280-42047-A-6	B301SCS0212AA	3546, 8081B	T	30.9 g	10000 uL		1 mL		
280-42047-A-7	B301SCS0304AA	3546, 8081B	T	31.3 g	10000 uL		1 mL		
280-42047-C-8	B301SCS0308AA	3546, 8081B	T	31.9 g	10000 uL		1 mL		
280-42047-C-8 MS	B301SCS0308AA	3546, 8081B	T	30.5 g	10000 uL	1 mL	1 mL		8081
280-42047-C-8 MSD	B301SCS0308AA	3546, 8081B	T	32.5 g	10000 uL	1 mL	1 mL		8081
280-42047-A-8 MS	B301SCS0308AA	3546, 8081B	T	30.0 g	10000 uL		1 mL	1 mL	TOX
280-42047-A-8 MSD	B301SCS0308AA	3546, 8081B	T	30.8 g	10000 uL		1 mL	1 mL	TOX
280-42047-A-9	B301SCS0312AA	3546, 8081B	T	31.0 g	10000 uL		1 mL		
280-42047-A-10	B301SCS0112AC	3546, 8081B	T	31.5 g	10000 uL		1 mL		

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.

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Batch Number: 174346 Batch Start Date: 05/15/13 11:08 Batch Analyst: Redman, Erin E

Batch Method: 3546 Batch End Date: 05/23/13 10:06

Batch Notes	
Balance ID	24750396
Batch Comment	PIP: OP-P1(9.6)/OP-P3(2.00)
Person's name who did the concentration	Adams, A
Exchange Solvent Lot #	Hexane_Cycl_00014
Exchange Solvent Name	Hexane (50mL)
Final Concentrator Volume	10000 uL
Florisil Lot #	180113; FlorisilSol_00035 PIP: H(2 x 1mL)
MeCL2 Lot #	MeCl2_Cycl_00098/100
MeCl2/Acetone Lot #	1:1AceMeCl2_00026
Microwave Start Time	5/15/13 @ 1118
Microwave Stop Time	5/15/13 @ 1248
Na2SO4 Lot Number	0000028385_00007
Ottawa Sand Lot #	2BE0616
Pipette ID	K
Person's name who did the prep	Redman, Erin
SOP Number	DV OP 0015/0007
Person who witnessed spiking	REVIEWER: Adams, Ashley
Water Bath ID	B
Water Bath Temperature	88 (obs:89)

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.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-42047-1

SDG No.:

Project: Griffiss AFB DP012 Bldg 301

Client Sample ID	Lab Sample ID
B301SCS0104AA	280-42047-1
B301SCS0108AA	280-42047-2
B301SCS0112AA	280-42047-3
B301SCS0204AA	280-42047-4
B301SCS0208AA	280-42047-5
B301SCS0212AA	280-42047-6
B301SCS0304AA	280-42047-7
B301SCS0308AA	280-42047-8
B301SCS0312AA	280-42047-9
B301SCS0112AC	280-42047-10

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-42047-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture LOQ Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	LOQ (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 05/23/2013 12:10 End Date: 05/23/2013 12:10

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
280-42047-1	1	T	12:10	X	X																		
280-42047-2	1	T	12:10	X	X																		
280-42047-3	1	T	12:10	X	X																		
280-42047-4	1	T	12:10	X	X																		
280-42047-5	1	T	12:10	X	X																		
280-42047-6	1	T	12:10	X	X																		
280-42047-7	1	T	12:10	X	X																		
280-42047-8	1	T	12:10	X	X																		
280-42047-9	1	T	12:10	X	X																		
280-42047-10	1	T	12:10	X	X																		
ZZZZZZ			12:10																				
ZZZZZZ			12:10																				
ZZZZZZ			12:10																				
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ZZZZZZ			12:10																				
ZZZZZZ			12:10																				

Prep Types
T = Total/NA

TestAmerica Denver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Data Review Checklist For Gravimetric Methods

Test Name/Method #: % Moisture Analysis Date: 5/24/13

SOP #: _____ Analyst: Sullivan, J; Benson, A Instrument: _____

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
42536, 42491, 42514, 42518	Solid	–	175679	%M	TXTRRP, Shared Volume
42047, 42266, 42528, 42546	Solid	–	175692	%M	Q4
42536, 42491, 200-16485	Solid	–	175704	%M	TXTRRP
42530, 42481,	Solid	–	175765	%M	Q4

	Yes	No	N/A	2nd Level
A. Balance, Oven, and DI Water QC Checks				
1. Was the balance calibration verified before and after processing samples and noted in the "Balance Calibration Log" for the date(s) the samples were processed?	✓			✓
2. Was the oven temperature within method requirements and recorded in the "Oven Temperature" logbook for the date(s) the samples were processed?	✓			✓
3. Was the daily conductivity check of the deionized water recorded in the "Conductivity Logbook"?			✓	✓
B. Method Requirements				
1. If sample is visibly oily, was this noted on the benchsheet?	✓			✓
2. Was final residue weight within minimum/maximum requirements?	✓			✓
3. Were the initial and final drying dates and times recorded on the benchsheet and were all samples dried for at least one hour?	✓			✓
C. Sample Results				
1. TDS/Conductivity ratio or historical data checked?			✓	✓
2. For % Moisture, was the Final Dried Weight < the Initial Pan Weight or is the result greater than 100%?	✓			✓
3. Were sample analyses done within holding time?			✓	✓
4. Were special client requirements met?	✓			✓
5. Were data that were manually transcribed from instrument printouts into TALS verified 100% including significant figures and units?	✓			✓
6. Do the prep and analysis dates in TALS reflect the actual dates? Lots/Dates report checked?	✓			✓
7. STD/True Value information is updated and included?			✓	✓
8. Are raw data copies prepared, scanned, and uploaded?	✓			✓
D. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10 X RL?			✓	✓
2. Method blank < ½ RL or NCM provided?			✓	✓
3. LCS/LCSD run for batch and within QC limits?			✓	✓
4. DUP run for batch and RPD < 20% for samples ≥5 X RL?	✓			✓

Analyst: JS Date: 5/24/13

Comments: _____

2nd Level Reviewer: AB Date: 5/24/13

Comments: _____

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Batch Number: 175692 Batch Start Date: 05/23/13 12:10 Batch Analyst: Sullivan, Josh

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry	AnalysisComment	
280-42047-A-1	B301SCS0104AA	Moisture	T	1	1.31 g	17.43 g	15.91 g		
280-42047-A-2	B301SCS0108AA	Moisture	T	2	1.32 g	17.17 g	16.08 g		
280-42047-A-3	B301SCS0112AA	Moisture	T	3	1.31 g	16.95 g	15.48 g		
280-42047-A-4	B301SCS0204AA	Moisture	T	4	1.31 g	17.34 g	15.24 g		
280-42047-A-5	B301SCS0208AA	Moisture	T	5	1.31 g	18.26 g	16.87 g		
280-42047-A-6	B301SCS0212AA	Moisture	T	6	1.30 g	18.24 g	16.94 g		
280-42047-A-7	B301SCS0304AA	Moisture	T	7	1.31 g	18.10 g	16.33 g		
280-42047-A-8	B301SCS0308AA	Moisture	T	8	1.30 g	17.82 g	15.63 g		
280-42047-A-9	B301SCS0312AA	Moisture	T	9	1.31 g	17.33 g	16.12 g	rocky	
280-42047-A-10	B301SCS0112AC	Moisture	T	10	1.31 g	18.02 g	16.73 g		

Batch Notes	
Balance ID	H31422 No Unit
Date samples were placed in the oven	5/32/13
Oven Temp when samples are put in oven	105 Degrees C
Time samples were place in the oven	1300
Date samples were removed from oven	5/24/13
Oven Temp when samples removed from oven	105 Degrees C
Time Samples were removed from oven	0715
Oven ID	Moisture
ID number of the thermometer	F
Uncorrected In Temperature	105 Celsius
Uncorrected Out Temperature	105 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

280-42047 Chain of Custody

CHAIN OF CUSTODY RECORD

COC#: _3_ SDG#: 1 (Open/Closed) Cooler ID#: _A_

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB DP012 Building 301 Sampler Name: Justin Damann	Send Results to: Daniel Baldyga FPM Remediations, Inc 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	Pesticides: note 2, 4 oz glass jar	Comments
B301SCS0104AA	B301SCS-1	5/6	0948	SO	G	N	0/0	1	1	
B301SCS0108AA	B301SCS-1	5/6	0955	SO	G	N	0/0	1	1	
B301SCS0112AA	B301SCS-1	5/6	1002	SO	G	N	0/0	1	1	
B301SCS0204AA	B301SCS-2	5/6	1025	SO	G	N	0/0	1	1	
B301SCS0208AA	B301SCS-2	5/6	1027	SO	G	N	0/0	1	1	
B301SCS0212AA	B301SCS-2	5/6	1031	SO	G	N	0/0	1	1	
B301SCS0304AA	B301SCS-3	5/6	1012	SO	G	N	0/0	1	1	
B301SCS0308AA	B301SCS-3	5/6	1016	SO	G	N	0/0	1	1	
B301SCS0312AA	B301SCS-3	5/6	1029	SO	G	N	0/0	1	1	
B301SCS0112AC	B301SCS-1	5/6	1008	SO	G	FD	0/0	1	1	
B301SCS0308AS	B301SCS-1	5/6	1016	SO	G	MS	0/0	1	1	
B301SCS0308AD	B301SCS-1	5/6	1016	SO	G	SD	0/0	1	1	

Sample Condition Upon Receipt at Laboratory: Cooler Temperature:
Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0
Note 1: Total SVOCs: method SW8270D

Note 2: Total Pesticides: SW8081B
Note 3: Total VOCs: SW8260B
Note 4: Total Metals: SW6010C

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 1638	#3 Released by: (Sig) RE	Date: 5-7-13
Company Name:	Time:	Company Name: FPM	Time:	Company Name: SG	Time: 0900
#1 Received by: (Sig) Daniel Baldyga	Date:	#2 Received by: (Sig) Reinhardt	Date: 05-07-13	#3 Received by: (Sig) Lauren Brandt	Date: 5/8/13
Company Name: FPM	Time:	Company Name: TA Syr	Time: 10:30	Company Name: TAO	Time: 0915

MATRIX
WG = Ground water
WQ = Water Quality Control Matrix
SO = Soil

SMCODE
B = Bailer
G = Grab.
NA = Not Applicable (only for AB/TB)
PP = Peristaltic Pump
BP = Bladder Pump
SP = Submersible Pump
SS = Split Spoon

SACODE
N = Normal Sample
AB = Ambient Blank
TB = Trip Blank
EB = Equipment Blank
FD = Field Duplicate
MS = Matrix Spike
SD = Matrix Spike Duplicate

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-42047-1

Login Number: 42047

List Source: TestAmerica Denver

List Number: 1

Creator: Broander, Laura

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
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.	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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix D
Validated Laboratory Results

FPM Remediations
Data Verification and Usability Report
Former Griffiss AFB
Building DP012 301
Contract No. FA8903-10-D-8595, Delivery Order No. 0014

FPM Project No. 1015-11-01

TestAmerica Job # 280-42047-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Soil
Number of Samples:	11
Analytical Protocol:	DOD QSM version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	May 6, 2013

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
B301SCS0104AA	5/6/13		
B301SCS0108AA	5/6/13	050613AE	5/6/13
B301SCS0112AA	5/6/13	B301SCS0112AC	5/6/13
B301SCS0204AA	5/6/13		
B301SCS0208AA	5/6/13		
B301SCS0212AA	5/6/13		
B301SCS0304AA	5/6/13		
B301SCS0308AA	5/6/13	B301SCS0308AS, B301SCS0308AD	5/6/13
B301SCS0312AA	5/6/13		

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.
AA – Primary environmental samples
AC – Field duplicate sample
AD – Matrix spike duplicate (MSD)
AE – Equipment blank sample
AS – Matrix spike (MS)

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, version 4.2, as specified in the project-specific QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, version 4.2, with project-specific modifications as listed in the project-specific QAPP. The analytical methods employed included SW-846: Organochlorine Pesticides by Method 8081B.

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Denver in accordance with the DOD QSM, version 4.2, and QC requirements of the respective analytical methods and of the project-specific QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, and the criteria as listed in the project-specific QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed for the pesticides analyses, as applicable:

- Method detection limits and limits of quantitation (DL, LOQ)
- Holding times
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Serial dilution results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Laboratory control samples (LCS)
- Results reported between DL and LOQ (J-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, version 4.2, and project-specific QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

SAMPLE LABELING/CHAIN-OF-CUSTODY

No errors in the chain-of-custody were noted. There were no discrepancies noted between the sample labels and the chain-of-custody, or the cooler contents and the chain-of-custody.

PESTICIDES

- According to the case narrative, the following analytes were analyzed at initial dilutions:

Sample	Analytes	Dilution
B301SCS0104AA	4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Methoxychlor	1:10
B301SCS0108AA	4,4'-DDD, 4,4'-DDT, Methoxychlor	1:10
B301SCS0204AA	4,4'-DDD, 4,4'-DDE, 4,4'-DDT, alpha-Chlordane, gamma-Chlordane, Methoxychlor	1:100
B301SCS0208AA	4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Methoxychlor	1:10
B301SCS0304AA	4,4'-DDD, 4,4'-DDT, Methoxychlor	1:10
B301SCS0308AA	4,4'-DDD, 4,4'-DDT, Methoxychlor	1:10
B301SCS0312AA	4,4'-DDD, 4,4'-DDT, Methoxychlor	1:10

The dilution results only are reported and are used in data verification as representing original results. The case narrative describes that these samples were analyzed at dilution due to the nature of the sample matrix and/or to bring the concentration of target analytes within the calibration range.

- According to the case narrative, surrogate recoveries were below control limits in the following sample due to the surrogate being diluted out (the samples were diluted at least 1:20):

Sample	Dilution
B301SCS0204AA	1:100

Because surrogate recoveries in the LCS and associated blanks were acceptable, no further action was deemed required.

- Laboratory performance on individual samples is established by means of spiking all samples prior to analysis with surrogate compounds and assessing the percent recoveries. The following table summarizes QC exceedances for surrogate recoveries. The sample ID, percent recovery, and QC limits are listed.

Sample ID	Surrogate	%Rec	QC Limits (%)	Flag Applied	Rationale
B301SCS0104AA (PRIMARY)	TCMX	***65***	70-125	None	Only 1 surrogate exhibited exceedance
B301SCS0104AA (SECONDARY)	DCBP	***212***	55-130	J/UJ	Both surrogates outside control limits
	TCMX	***59***	70-125	J/UJ	Both surrogates outside control limits
B301SCS0104AA 1:10 (PRIMARY)	TCMX	***66***	70-125	None	Only 1 surrogate exhibited exceedance
B301SCS0104AA 1:10 (SECONDARY)	DCBP	***168***	55-130	N/A	Results not used; chosen from primary column

Sample ID	Surrogate	%Rec	QC Limits (%)	Flag Applied	Rationale
	TCMX	***60***	70-125	N/A	Results not used; chosen from primary column
B301SCS0108AA (SECONDARY)	DCBP	***162***	55-130	None	Only 1 surrogate exhibited exceedance
B301SCS0108AA 1:10 (PRIMARY)	TCMX	***67***	70-125	None	Only 1 surrogate exhibited exceedance
B301SCS0108AA 1:10 (SECONDARY)	DCBP	***154***	55-130	N/A	Results not used; chosen from primary column
	TCMX	***63***	70-125	N/A	Results not used; chosen from primary column
B301SCS0204AA (PRIMARY)	DCBP	***137***	55-130	None	Only 1 surrogate exhibited exceedance
B301SCS0204AA (SECONDARY)	DCBP	***263***	55-130	J/UJ	Both surrogates outside control limits
	TCMX	***66***	70-125	J/UJ	Both surrogates outside control limits
B301SCS0208AA (SECONDARY)	TCMX	***62***	70-125	N/A	Results not used; chosen from primary column
B301SCS0304AA (PRIMARY)	DCBP	***141***	55-130	None	Only 1 surrogate exhibited exceedance
B301SCS0304AA (SECONDARY)	DCBP	***163***	55-130	J/UJ	Both surrogates outside control limits
	TCMX	***67***	70-125	J/UJ	Both surrogates outside control limits
B301SCS0304AA 1:10 (SECONDARY)	DCBP	***146***	55-130	N/A	Results not used; chosen from primary column
	TCMX	***60***	70-125	N/A	Results not used; chosen from primary column
B301SCS0308AA (PRIMARY)	TCMX	***69***	70-125	None	Only 1 surrogate exhibited exceedance; %Rec within 1% of control limits
B301SCS0308AA 1:10 (PRIMARY)	TCMX	***69***	70-125	None	Only 1 surrogate exhibited exceedance; %Rec within 1% of control limits
B301SCS0308AA 1:10 (SECONDARY)	TCMX	***61***	70-125	N/A	Results not used; chosen from primary column
B301SCS0312AA 1:10 (PRIMARY)	TCMX	***68***	70-125	None	Only 1 surrogate exhibited exceedance
B301SCS0312AA 1:10 (SECONDARY)	TCMX	***63***	70-125	N/A	Results not used; chosen from primary column

For pesticides, if the recoveries for both of the two surrogates (DBCP or TCMX) are outside control limits, corrective action shall be implemented: the sample shall be reextracted and reanalyzed. If the corrective action is ineffective in resolving the exceedance, and in the absence of matrix interference, then all analytes associated with the surrogate in that sample are qualified. If the recovery of only one surrogate is outside control limits, and chromatographic interference is evident, reanalysis and/or flagging is not required. For samples with surrogate recoveries greater than the upper control limit, positive sample results are considered estimated (flagged "J"). For samples with surrogate recoveries greater than 10% but less than the lower control limit, positive results are considered estimated (flagged "J") and non-detect results are considered estimated (flagged "UJ"). For samples with surrogate recoveries less than 10%, the results are rejected for the analytes. However, using professional judgment, no corrective action and/or flagging is required for minimal exceedances (i.e., within 1% of the control limits).

Corrective Action: No flagging was necessary when only one surrogate was outside QC limits per column. However, when two surrogates were reported outside QC limits, "J" flags were applied to positive results and "UJ" flags were applied to non-detect results. It should be noted that in every case with two surrogate exceedances, the DCBP exceedance was greater than the upper control limit and the TCMX exceedance was less than the lower control limit. It should be noted that the laboratory reported all preferred results on the "PRIMARY" result type sheet, even if the results were associated with surrogates from the other column.

- The response of the instrument indicated continuing calibration verifications >20% difference for individual analytes. The following table summarizes the exceedances:

Type of Calibration Exceedance Affected Analytes	%D	Method QC Limit	Flag Applied	Rationale
Pesticides, Continuing Calibration Verification 280-176329/42, Column 1				
Alpha-BHC	***22.9***	±20	None	%D > upper control limit; associated field sample results non-detect
Beta-BHC	***24.0***	±20	None	%D > upper control limit; associated field sample results non-detect
Delta-BHC	***22.5***	±20	None	%D > upper control limit; associated field sample results non-detect
Gamma-BHC (Lindane)	***22.3***	±20	None	%D > upper control limit; associated field sample results non-detect
4,4'-DDD	***37.5***	±20	None	No field samples associated with CCV
4,4'-DDT	***-46.2***	±20	None	No field samples associated with CCV
Methoxychlor	***-37.8***	±20	None	No field samples associated with CCV
Pesticides, Continuing Calibration Verification 280-176329/42, Column 2				
4,4'-DDD	***25.7***	±20	None	No field samples associated with CCV
4,4'-DDT	***-47.4***	±20	None	No field samples associated with CCV

Type of Calibration Exceedance Affected Analytes	%D	Method QC Limit	Flag Applied	Rationale
Methoxychlor	***-34.8***	±20	None	No field samples associated with CCV
Pesticides, Continuing Calibration Verification 280-176329/43, Column 1				
Toxaphene (peak 1)	***271.0***	±20	None	Average %D > upper control limit (32.9); associated results non-detect
Toxaphene (peak 4)	***-35.7***	±20	None	Average %D > upper control limit (32.9); associated results non-detect
Toxaphene (peak 5)	***-74.5***	±20	None	Average %D > upper control limit (32.9); associated results non-detect

Corrective Action: According to the case narrative, the %D was greater than the upper control limit; however, associated results were non-detect. Therefore, no corrective action was required by the laboratory.

- Method 8081 requires second column confirmation for the detection of pesticides. When the RPD exceeds 40%, review and possible qualification of the data is required per the DOD QSM. The following table lists the RPD results for analytes in field samples:

Sample ID	Analyte	First Column Result	Confirmation (CF) Result	RPD	Flag	Rationale
B301SCS0104AA	Heptachlor epoxide	3.5	1.3 J	***91.9***	J	RPD > 40%
B301SCS0204AA	Heptachlor epoxide	29	8.7	***106.6***	J	RPD > 40%
	Endrin ketone	4.1	9.4	***79.3***	J	RPD > 40%
B301SCS0208AA	Dieldrin	0.43 J	0.26 J	***51.6***	J	RPD > 40%
	Heptachlor epoxide	2.6	0.52 J	***132.4***	J	RPD > 40%
B301SCS0304AA	Heptachlor epoxide	2.0	3.9	***64.0***	J	RPD > 40%
	gamma-Chlordane	3.8	18	***131.5***	J	RPD > 40%
	Dieldrin	2.6	0.97 J	***92.4***	J	RPD > 40%
B301SCS0312AA	Dieldrin	0.42 J	0.24 J	***55.4***	J	RPD > 40%
	Alpha-Chlordane	0.51 J	0.85 J	***50.5***	J	RPD > 40%

Corrective Action: In accordance with the DOD QSM, for pesticides, when the RPD exceeds 40%, the results should be flagged "J." In each case, the lower of the two results shall be the reported result.

- The following table summarizes QC exceedances of the matrix spike/matrix spike duplicate (MS/MSD) percent recoveries and/or RPDs. The spike analytes, MS recoveries, MSD recoveries, spike recovery QC limits, and RPDs and their QC limit between the MS and MSD are listed.

Spike Compounds	MS %Rec	MSD %Rec	Method QC Limits	RPD % (Method limit 30%)	Flag Applied	Rationale
Parent Sample: B301SCS0308AA						
Toxaphene	***191***	***265***	51-139	***30***	J	%Rec outside QC limits

Data for matrix spike/matrix spike duplicates (MS/MSD) are generated to determine long-term precision and accuracy of the analytical method on various matrices. Generally, these data alone cannot be used to evaluate the precision and accuracy of individual samples. A matrix spike and matrix spike duplicate analysis is an aliquot of sample spiked with known concentrations of all the analytes in the method. Using professional judgment, exceedances of either percent recovery (%Rec) control limits of spike concentrations or relative percent difference (RPD) control limits between the MS and MSD results may require flagging ("J") for the specific analyte in the parent sample, and the results considered estimated. Due to the varied nature of environmental samples, such as locations, depths, physical characteristics (dissolved and suspended solids, turbidity, pH, organic content, etc.), it is difficult to assign one serial dilution sample analysis as truly representative of an entire site matrix. Therefore, using professional judgment it is deemed inappropriate to qualify more than the actual parent sample due to an MS/MSD exceedance. This approach is in accordance with the EPA National Functional guidelines, which states that the MS/MSD results are not used alone to qualify the entire data package, however, can be used in conjunction with other QC criteria to determine the need for some qualification of the data. Using professional judgment, no corrective action and/or flagging is deemed required for minimal exceedances (i.e., within 1% of the %Rec control limits).

Corrective Action: For toxaphene, a "UJ" flag was applied to parent sample B301SCS0308AA only, since the exceedance indicates a positive bias, and the associated result was non-detect.

- Field duplicate samples, which are collected at the same location and at the same time using identical collection, handling, and analytical procedures, are used to assess precision of the sample collection process. The UFP QAPP requires qualification of data for field duplicates criterion if the duplicate samples contain detected compounds with concentrations above 5x the reporting limits (RL's) and the relative percent differences (RPD's) between the duplicate sample results exceed RPD control limits (50% for soil samples). If either the parent or the duplicate sample is less than 5x the RL, then the difference between the parent and duplicate sample must be less than 2x the RL. "J" flags for detects and "UJ" flags for non-detects are required per the QAPP for any exceedances. For these purposes the RL is considered equal to the LOQ.

  The following table summarizes the relative percent differences (RPD's) of field duplicate sample set B301SCS0112AA/AC.

Sample ID, Normal	Sample ID, Field Duplicate	Analyte	Normal Result (µg/kg)	Field Dup Result (µg/kg)	LOQ (µg/kg)	RPD/ Total difference	Flag Applied	Rationale
B301SCS0112AA	B301SCS0112AC	4,4'-DDE	0.52 J	0.26 J	1.8	0.26	None	Total difference < 2xRL
B301SCS0112AA	B301SCS0112AC	4,4'-DDT	1.2 J	1.1 J	1.8	0.1	None	Total difference < 2xRL

Corrective Action: No "J" qualifiers were applied to the results, since the RPD's and/or total differences among the sample duplicate set B301SCS0112AA/AC were within QAPP limits.

DATA USABILITY RESULTS

PESTICIDES

Based on the evaluation of all information in the analytical data groups, the results for pesticides are usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

DATA USABILITY SUMMARY

All data in Job # 280-42047-1 are valid and usable with qualifications as noted in the data review.

Signed: Concordia van Hoesel Date: 7/7/13

ATTACHMENTS

- Qualified final data verification results on annotated Lab Sheet 2s

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 280-42047-1

Job Description: Griffiss AFB DP012 Bldg 301

For:
FPM Remediations Inc
584 Phoenix Drive
Rome, NY 13441

Attention: Daniel Baldyga

M. Elaine Walker

Approved for release.
Elaine Walker
Project Manager I
5/31/2013 2:49 PM

Elaine Walker, Project Manager I
4955 Yarrow Street, Arvada, CO, 80002
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05/31/2013

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB DP012 Bldg 301
Report Number: 280-42047-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

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

Eleven samples were received on 05/08/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 0.1°C and 0.4°C.

MS/MSD analyses were requested and performed on sample B301SCS0308AA (280-42047-8).

Per email from the client on 05/10/2013, the equipment blank received for pesticides analysis was received with the samples in TestAmerica job 280-42039-1. However, there were no pesticides requested with that delivery group, and the pesticide equipment blank (050613AE) was logged with the samples received for DP012 Building 301, reported in this delivery group.

CHLORINATED PESTICIDES (GC) - SOIL

Samples B301SCS0104AA (280-42047-1), B301SCS0108AA (280-42047-2), B301SCS0112AA (280-42047-3), B301SCS0204AA (280-42047-4), B301SCS0208AA (280-42047-5), B301SCS0212AA (280-42047-6), B301SCS0304AA (280-42047-7), B301SCS0308AA (280-42047-8), B301SCS0312AA (280-42047-9), and B301SCS0112AC (280-42047-10) were analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081B. The samples were prepared on 05/15/2013 and analyzed on 05/29/2013 and 05/30/2013.

TestAmerica Denver's practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

The Tetrachloro-m-xylene surrogate failed the recovery criteria low for samples B301SCS0104AA (280-42047-1) and B301SCS0108AA (280-42047-2) (primary and confirmation column; diluted and undiluted), The Decachlorobiphenyl surrogate failed the recovery criteria high on the confirmation analyses (undiluted and diluted). The sample results have been flagged "Q".

The Decachlorobiphenyl surrogate failed the recovery criteria high for sample B301SCS0204AA (280-42047-4) on the primary and confirmation analyses (undiluted analysis). The Tetrachloro-m-xylene surrogates and failed the recovery criteria low on the confirmation analysis (undiluted analysis). The Tetrachloro-m-xylene and Decachlorobiphenyl surrogates failed the recovery criteria low on the primary and confirmation columns (diluted analysis). The sample results have been flagged "Q".

The Tetrachloro-m-xylene surrogate failed the recovery criteria low for sample B301SCS0208AA (280-42047-5) on the confirmation column (diluted analysis). The sample results have been flagged "Q".

The Decachlorobiphenyl surrogate failed the recovery criteria high for sample B301SCS0304AA (280-42047-7) on the primary column (undiluted analysis) and on the secondary column (diluted and undiluted analyses). The Tetrachloro-m-xylene surrogate failed the recovery criteria low for the confirmation column (undiluted and diluted analyses). The sample results have been flagged "Q".

The Tetrachloro-m-xylene surrogate failed the recovery criteria low for samples B301SCS0308AA (280-42047-8) on the primary column (undiluted and diluted analyses) and on the secondary column (diluted analysis), B301SCS0308AAMS (280-42047-8MS), B301SCS0308AAMSD (280-42047-8MSD). The sample results have been flagged "Q".

The Tetrachloro-m-xylene surrogate failed the recovery criteria low for sample B301SCS0312AA (280-42047-9) on the primary and confirmation columns (diluted analysis). The sample results have been flagged "Q".

Toxaphene failed the recovery criteria high for the matrix spike (MS) and matrix spike duplicate (MSD) of sample B301SCS0308AA (280-42047-8) in batch 280-176329. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

The continuing calibration verification (CCV) for beta-BHC, delta-BHC, gamma-BHC, and Toxaphene associated with analytical batch 280-176329 recovered above the upper control limit on the front column. The samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported from the back column or qualified on the front column.

The continuing calibration verification (CCV) for Toxaphene associated with analytical batch 280-176496 recovered above the upper control limit. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported and flagged "Q".

Samples B301SCS0104AA (280-42047-1), B301SCS0108AA (280-42047-2), B301SCS0204AA (280-42047-4), B301SCS0208AA (280-42047-5), B301SCS0304AA (280-42047-7), B301SCS0308AA (280-42047-8), and B301SCS0312AA (280-42047-9) required dilutions prior to analysis due to the nature of the sample matrix and/or to bring the concentration of target analytes within the calibration range. The reporting limits have been adjusted accordingly.

The following samples required a Florisil clean-up to reduce matrix interferences: B301SCS0104AA (280-42047-1), B301SCS0108AA (280-42047-2), B301SCS0204AA (280-42047-4), B301SCS0208AA (280-42047-5), B301SCS0304AA (280-42047-7), B301SCS0308AA (280-42047-8), B301SCS0308AD (280-42047-8 MSD), B301SCS0308AS (280-42047-8 MS), and B301SCS0312AA (280-42047-9).

No other difficulties were encountered during the pesticides analyses.

All other quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES (GC) - WATER

Sample 050613AE (280-42047-11) was analyzed for semivolatile organic compounds (GC) in accordance with EPA SW-846 Method 8081B. The sample was prepared on 05/13/2013 and analyzed on 05/15/2013.

TestAmerica Denver's practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

No difficulties were encountered during the pesticides analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples B301SCS0104AA (280-42047-1), B301SCS0108AA (280-42047-2), B301SCS0112AA (280-42047-3), B301SCS0204AA (280-42047-4), B301SCS0208AA (280-42047-5), B301SCS0212AA (280-42047-6), B301SCS0304AA (280-42047-7), B301SCS0308AA (280-42047-8), B301SCS0312AA (280-42047-9), and B301SCS0112AC (280-42047-10) were analyzed for percent solids in accordance with EPA SW846 3550C. The samples were analyzed on 05/23/2013.

No difficulties were encountered during the % solids analyses.

All quality control parameters were within the acceptance limits.

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 171763

Lab Sample ID: STD4 280-171763/26 IC Client Sample ID:

Date Analyzed: 04/29/13 20:13 Lab File ID: 04290026.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:05

Lab Sample ID: STD4 280-171763/26 IC Client Sample ID:

Date Analyzed: 04/29/13 20:13 Lab File ID: 04290026.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:05

Lab Sample ID: STD3 280-171763/27 IC Client Sample ID:

Date Analyzed: 04/29/13 20:31 Lab File ID: 04290027.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:06

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 171763

Lab Sample ID: STD3 280-171763/27 IC Client Sample ID:

Date Analyzed: 04/29/13 20:31 Lab File ID: 04290027.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Split Peak	wellsd	04/30/13 10:07
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:06

Lab Sample ID: STD2 280-171763/28 IC Client Sample ID:

Date Analyzed: 04/29/13 20:48 Lab File ID: 04290028.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:06

Lab Sample ID: STD2 280-171763/28 IC Client Sample ID:

Date Analyzed: 04/29/13 20:48 Lab File ID: 04290028.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Split Peak	wellsd	04/30/13 10:06
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:06

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 171763

Lab Sample ID: STD1 280-171763/29 IC Client Sample ID:

Date Analyzed: 04/29/13 21:06 Lab File ID: 04290029.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 2	6.36	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:06

Lab Sample ID: STD1 280-171763/29 IC Client Sample ID:

Date Analyzed: 04/29/13 21:06 Lab File ID: 04290029.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Split Peak	wellsd	04/30/13 10:07
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:06

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 174317

Lab Sample ID: CCV 280-174317/17 Client Sample ID:

Date Analyzed: 05/15/13 15:59 Lab File ID: 05150017.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 4	7.53	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	05/16/13 06:54

Lab Sample ID: LCS 280-174025/6-A Client Sample ID:

Date Analyzed: 05/15/13 16:34 Lab File ID: 05150019.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.68	Split Peak	wellsd	05/16/13 06:54
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	05/16/13 06:54

Lab Sample ID: CCV 280-174317/28 Client Sample ID:

Date Analyzed: 05/15/13 19:11 Lab File ID: 05150028.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	05/16/13 06:55
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	05/16/13 06:55
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	05/16/13 06:55
Toxaphene Peak 4	7.53	Baseline Smoothing	wellsd	05/16/13 06:55
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	05/16/13 06:55

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 173579

Lab Sample ID: STD6 280-173579/24 IC Client Sample ID:

Date Analyzed: 05/09/13 23:51 Lab File ID: 05090024.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.19	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD6 280-173579/24 IC Client Sample ID:

Date Analyzed: 05/09/13 23:51 Lab File ID: 05090024.D GC Column: CLP2 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.38	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD5 280-173579/25 IC Client Sample ID:

Date Analyzed: 05/10/13 00:07 Lab File ID: 05090025.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.20	Baseline Smoothing	wellsd	05/10/13 08:31

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 173579

Lab Sample ID: STD5 280-173579/25 IC Client Sample ID:

Date Analyzed: 05/10/13 00:07 Lab File ID: 05090025.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.37	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD4 280-173579/26 IC Client Sample ID:

Date Analyzed: 05/10/13 00:24 Lab File ID: 05090026.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.19	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD4 280-173579/26 IC Client Sample ID:

Date Analyzed: 05/10/13 00:24 Lab File ID: 05090026.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.38	Baseline Smoothing	wellsd	05/10/13 08:31

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 173579

Lab Sample ID: STD3 280-173579/27 IC Client Sample ID:

Date Analyzed: 05/10/13 00:40 Lab File ID: 05090027.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.20	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD3 280-173579/27 IC Client Sample ID:

Date Analyzed: 05/10/13 00:40 Lab File ID: 05090027.D GC Column: CLP2 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.95	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.37	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD2 280-173579/28 IC Client Sample ID:

Date Analyzed: 05/10/13 00:57 Lab File ID: 05090028.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 5	8.20	Baseline Smoothing	wellsd	05/10/13 08:32

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 173579

Lab Sample ID: STD2 280-173579/28 IC Client Sample ID:

Date Analyzed: 05/10/13 00:57 Lab File ID: 05090028.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 5	8.38	Baseline Smoothing	wellsd	05/10/13 08:32

Lab Sample ID: ICV 280-173579/30 Client Sample ID:

Date Analyzed: 05/10/13 01:30 Lab File ID: 05090030.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 5	8.20	Baseline Smoothing	wellsd	05/10/13 08:33

Lab Sample ID: ICV 280-173579/30 Client Sample ID:

Date Analyzed: 05/10/13 01:30 Lab File ID: 05090030.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.67	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 5	8.38	Baseline Smoothing	wellsd	05/10/13 08:33

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: CCV 280-176329/11 Client Sample ID:

Date Analyzed: 05/29/13 16:27 Lab File ID: 05290011.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.11	Baseline Smoothing	wellsd	05/30/13 07:09
Toxaphene Peak 2	6.62	Baseline Smoothing	wellsd	05/30/13 07:09
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/30/13 07:09
Toxaphene Peak 4	7.70	Baseline Smoothing	wellsd	05/30/13 07:09
Toxaphene Peak 5	8.17	Baseline Smoothing	wellsd	05/30/13 07:09

Lab Sample ID: LCS 280-174346/3-A Client Sample ID:

Date Analyzed: 05/29/13 17:50 Lab File ID: 05290016.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 2	6.62	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/30/13 07:10

Lab Sample ID: CCV 280-176329/18 Client Sample ID:

Date Analyzed: 05/29/13 18:23 Lab File ID: 05290018.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 2	6.63	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 3	7.31	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/30/13 07:10

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: 280-42047-3 Client Sample ID: B301SCS0112AA

Date Analyzed: 05/29/13 19:12 Lab File ID: 05290021.D GC Column: CLP2 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,4'-DDE	6.50	Baseline Smoothing	wellsd	05/30/13 07:11
4,4'-DDT	7.39	Baseline Smoothing	wellsd	05/30/13 07:11

Lab Sample ID: 280-42047-6 Client Sample ID: B301SCS0212AA

Date Analyzed: 05/29/13 20:02 Lab File ID: 05290024.D GC Column: CLP2 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-Chlordane	6.17	Baseline Smoothing	wellsd	05/30/13 07:25
4,4'-DDE	6.50	Baseline Smoothing	wellsd	05/30/13 07:25
4,4'-DDD	7.08	Baseline Smoothing	wellsd	05/30/13 07:25
4,4'-DDT	7.39	Baseline Smoothing	wellsd	05/30/13 07:25

Lab Sample ID: 280-42047-10 Client Sample ID: B301SCS0112AC

Date Analyzed: 05/29/13 21:08 Lab File ID: 05290028.D GC Column: CLP2 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha-Chlordane	6.33	Baseline Smoothing	wellsd	05/30/13 07:26
4,4'-DDE	6.50	Baseline Smoothing	wellsd	05/30/13 07:26
4,4'-DDD	7.08	Baseline Smoothing	wellsd	05/30/13 07:26
4,4'-DDT	7.39	Baseline Smoothing	wellsd	05/30/13 07:26

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: CCV 280-176329/30 Client Sample ID:

Date Analyzed: 05/29/13 21:41 Lab File ID: 05290030.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/30/13 07:26
Toxaphene Peak 2	6.63	Baseline Smoothing	wellsd	05/30/13 07:26
Toxaphene Peak 3	7.31	Baseline Smoothing	wellsd	05/30/13 07:26
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:26
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/30/13 07:26

Lab Sample ID: 280-42047-2 Client Sample ID: B301SCS0108AA

Date Analyzed: 05/29/13 22:14 Lab File ID: 05290032.D GC Column: CLP2 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-Chlordane	6.17	Split Peak	wellsd	05/30/13 07:27

Lab Sample ID: 280-42047-8 MS Client Sample ID: B301SCS0308AA MS

Date Analyzed: 05/30/13 00:09 Lab File ID: 05290039.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.13	Split Peak	wellsd	05/30/13 07:31
Toxaphene Peak 2	6.62	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 5	8.16	Baseline Smoothing	wellsd	05/30/13 07:31

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GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: 280-42047-8 MS Client Sample ID: B301SCS0308AA MS

Date Analyzed: 05/30/13 00:09 Lab File ID: 05290039.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.64	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 2	6.91	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 3	7.26	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 4	7.52	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 5	8.34	Baseline Smoothing	wellsd	05/30/13 07:31
DCB Decachlorobiphenyl	9.42	Baseline Smoothing	wellsd	05/30/13 07:31

Lab Sample ID: 280-42047-8 MSD Client Sample ID: B301SCS0308AA MSD

Date Analyzed: 05/30/13 00:25 Lab File ID: 05290040.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.13	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 2	6.62	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 5	8.16	Baseline Smoothing	wellsd	05/30/13 07:31

Lab Sample ID: 280-42047-8 MSD Client Sample ID: B301SCS0308AA MSD

Date Analyzed: 05/30/13 00:25 Lab File ID: 05290040.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.64	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 2	6.92	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 3	7.26	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 4	7.52	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 5	8.34	Baseline Smoothing	wellsd	05/30/13 07:31

5/31/13

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: CCV 280-176329/43 Client Sample ID:

Date Analyzed: 05/30/13 01:15 Lab File ID: 05290043.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/30/13 07:32
Toxaphene Peak 2	6.63	Baseline Smoothing	wellsd	05/30/13 07:32
Toxaphene Peak 3	7.31	Baseline Smoothing	wellsd	05/30/13 07:32
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:32
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/30/13 07:32

5/31/13

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 171763

Lab Sample ID: STD4 280-171763/26 IC Client Sample ID:

Date Analyzed: 04/29/13 20:13 Lab File ID: 04290026.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:05

Lab Sample ID: STD4 280-171763/26 IC Client Sample ID:

Date Analyzed: 04/29/13 20:13 Lab File ID: 04290026.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:05
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:05

Lab Sample ID: STD3 280-171763/27 IC Client Sample ID:

Date Analyzed: 04/29/13 20:31 Lab File ID: 04290027.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:06

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 171763

Lab Sample ID: STD3 280-171763/27 IC Client Sample ID:

Date Analyzed: 04/29/13 20:31 Lab File ID: 04290027.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Split Peak	wellsd	04/30/13 10:07
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:06

Lab Sample ID: STD2 280-171763/28 IC Client Sample ID:

Date Analyzed: 04/29/13 20:48 Lab File ID: 04290028.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:06

Lab Sample ID: STD2 280-171763/28 IC Client Sample ID:

Date Analyzed: 04/29/13 20:48 Lab File ID: 04290028.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Split Peak	wellsd	04/30/13 10:06
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:06

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 171763

Lab Sample ID: STD1 280-171763/29 IC Client Sample ID:

Date Analyzed: 04/29/13 21:06 Lab File ID: 04290029.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 2	6.36	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:06

Lab Sample ID: STD1 280-171763/29 IC Client Sample ID:

Date Analyzed: 04/29/13 21:06 Lab File ID: 04290029.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Split Peak	wellsd	04/30/13 10:07
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:06
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:06

Lab Sample ID: ICV 280-171763/30 Client Sample ID:

Date Analyzed: 04/29/13 21:23 Lab File ID: 04290030.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	04/30/13 10:07
Toxaphene Peak 2	6.36	Baseline Smoothing	wellsd	04/30/13 10:07
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	04/30/13 10:07
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	04/30/13 10:07
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	04/30/13 10:07

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 171763

Lab Sample ID: ICV 280-171763/30 Client Sample ID:

Date Analyzed: 04/29/13 21:23 Lab File ID: 04290030.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.35	Baseline Smoothing	wellsd	04/30/13 10:07
Toxaphene Peak 2	5.63	Baseline Smoothing	wellsd	04/30/13 10:07
Toxaphene Peak 3	6.55	Baseline Smoothing	wellsd	04/30/13 10:07
Toxaphene Peak 4	7.05	Baseline Smoothing	wellsd	04/30/13 10:07
Toxaphene Peak 5	7.78	Baseline Smoothing	wellsd	04/30/13 10:07

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P1 Analysis Batch Number: 174317

Lab Sample ID: CCV 280-174317/17 Client Sample ID:

Date Analyzed: 05/15/13 15:59 Lab File ID: 05150017.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 4	7.53	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	05/16/13 06:54

Lab Sample ID: LCS 280-174025/6-A Client Sample ID:

Date Analyzed: 05/15/13 16:34 Lab File ID: 05150019.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.68	Split Peak	wellsd	05/16/13 06:54
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/16/13 06:54
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	05/16/13 06:54

Lab Sample ID: CCV 280-174317/28 Client Sample ID:

Date Analyzed: 05/15/13 19:11 Lab File ID: 05150028.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	5.67	Baseline Smoothing	wellsd	05/16/13 06:55
Toxaphene Peak 2	6.35	Baseline Smoothing	wellsd	05/16/13 06:55
Toxaphene Peak 3	6.86	Baseline Smoothing	wellsd	05/16/13 06:55
Toxaphene Peak 4	7.53	Baseline Smoothing	wellsd	05/16/13 06:55
Toxaphene Peak 5	7.94	Baseline Smoothing	wellsd	05/16/13 06:55

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 173579

Lab Sample ID: STD6 280-173579/24 IC Client Sample ID:

Date Analyzed: 05/09/13 23:51 Lab File ID: 05090024.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.19	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD6 280-173579/24 IC Client Sample ID:

Date Analyzed: 05/09/13 23:51 Lab File ID: 05090024.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.38	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD5 280-173579/25 IC Client Sample ID:

Date Analyzed: 05/10/13 00:07 Lab File ID: 05090025.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.20	Baseline Smoothing	wellsd	05/10/13 08:31

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 173579

Lab Sample ID: STD5 280-173579/25 IC Client Sample ID:

Date Analyzed: 05/10/13 00:07 Lab File ID: 05090025.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.37	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD4 280-173579/26 IC Client Sample ID:

Date Analyzed: 05/10/13 00:24 Lab File ID: 05090026.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.19	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD4 280-173579/26 IC Client Sample ID:

Date Analyzed: 05/10/13 00:24 Lab File ID: 05090026.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.38	Baseline Smoothing	wellsd	05/10/13 08:31

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 173579

Lab Sample ID: STD3 280-173579/27 IC Client Sample ID:

Date Analyzed: 05/10/13 00:40 Lab File ID: 05090027.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.20	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD3 280-173579/27 IC Client Sample ID:

Date Analyzed: 05/10/13 00:40 Lab File ID: 05090027.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 2	6.95	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:31
Toxaphene Peak 5	8.37	Baseline Smoothing	wellsd	05/10/13 08:31

Lab Sample ID: STD2 280-173579/28 IC Client Sample ID:

Date Analyzed: 05/10/13 00:57 Lab File ID: 05090028.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 5	8.20	Baseline Smoothing	wellsd	05/10/13 08:32

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 173579

Lab Sample ID: STD2 280-173579/28 IC Client Sample ID:

Date Analyzed: 05/10/13 00:57 Lab File ID: 05090028.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.68	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:32
Toxaphene Peak 5	8.38	Baseline Smoothing	wellsd	05/10/13 08:32

Lab Sample ID: ICV 280-173579/30 Client Sample ID:

Date Analyzed: 05/10/13 01:30 Lab File ID: 05090030.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.14	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 2	6.65	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 3	7.33	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 4	7.73	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 5	8.20	Baseline Smoothing	wellsd	05/10/13 08:33

Lab Sample ID: ICV 280-173579/30 Client Sample ID:

Date Analyzed: 05/10/13 01:30 Lab File ID: 05090030.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.67	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 2	6.94	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 3	7.29	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 4	7.54	Baseline Smoothing	wellsd	05/10/13 08:33
Toxaphene Peak 5	8.38	Baseline Smoothing	wellsd	05/10/13 08:33

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: CCV 280-176329/11 Client Sample ID:

Date Analyzed: 05/29/13 16:27 Lab File ID: 05290011.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.11	Baseline Smoothing	wellsd	05/30/13 07:09
Toxaphene Peak 2	6.62	Baseline Smoothing	wellsd	05/30/13 07:09
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/30/13 07:09
Toxaphene Peak 4	7.70	Baseline Smoothing	wellsd	05/30/13 07:09
Toxaphene Peak 5	8.17	Baseline Smoothing	wellsd	05/30/13 07:09

Lab Sample ID: LCS 280-174346/3-A Client Sample ID:

Date Analyzed: 05/29/13 17:50 Lab File ID: 05290016.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 2	6.62	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/30/13 07:10

Lab Sample ID: CCV 280-176329/18 Client Sample ID:

Date Analyzed: 05/29/13 18:23 Lab File ID: 05290018.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 2	6.63	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 3	7.31	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:10
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/30/13 07:10

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: 280-42047-3 Client Sample ID: B301SCS0112AA

Date Analyzed: 05/29/13 19:12 Lab File ID: 05290021.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4,4'-DDE	6.50	Baseline Smoothing	wellsd	05/30/13 07:11
4,4'-DDT	7.39	Baseline Smoothing	wellsd	05/30/13 07:11

Lab Sample ID: 280-42047-6 Client Sample ID: B301SCS0212AA

Date Analyzed: 05/29/13 20:02 Lab File ID: 05290024.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-Chlordane	6.17	Baseline Smoothing	wellsd	05/30/13 07:25
4,4'-DDE	6.50	Baseline Smoothing	wellsd	05/30/13 07:25
4,4'-DDD	7.08	Baseline Smoothing	wellsd	05/30/13 07:25
4,4'-DDT	7.39	Baseline Smoothing	wellsd	05/30/13 07:25

Lab Sample ID: 280-42047-10 Client Sample ID: B301SCS0112AC

Date Analyzed: 05/29/13 21:08 Lab File ID: 05290028.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha-Chlordane	6.33	Baseline Smoothing	wellsd	05/30/13 07:26
4,4'-DDE	6.50	Baseline Smoothing	wellsd	05/30/13 07:26
4,4'-DDD	7.08	Baseline Smoothing	wellsd	05/30/13 07:26
4,4'-DDT	7.39	Baseline Smoothing	wellsd	05/30/13 07:26

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: CCV 280-176329/30 Client Sample ID:

Date Analyzed: 05/29/13 21:41 Lab File ID: 05290030.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/30/13 07:26
Toxaphene Peak 2	6.63	Baseline Smoothing	wellsd	05/30/13 07:26
Toxaphene Peak 3	7.31	Baseline Smoothing	wellsd	05/30/13 07:26
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:26
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/30/13 07:26

Lab Sample ID: 280-42047-2 Client Sample ID: B301SCS0108AA

Date Analyzed: 05/29/13 22:14 Lab File ID: 05290032.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
gamma-Chlordane	6.17	Split Peak	wellsd	05/30/13 07:27

Lab Sample ID: 280-42047-8 MS Client Sample ID: B301SCS0308AA MS

Date Analyzed: 05/30/13 00:09 Lab File ID: 05290039.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.13	Split Peak	wellsd	05/30/13 07:31
Toxaphene Peak 2	6.62	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 5	8.16	Baseline Smoothing	wellsd	05/30/13 07:31

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: 280-42047-8 MS Client Sample ID: B301SCS0308AA MS

Date Analyzed: 05/30/13 00:09 Lab File ID: 05290039.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.64	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 2	6.91	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 3	7.26	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 4	7.52	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 5	8.34	Baseline Smoothing	wellsd	05/30/13 07:31
DCB Decachlorobiphenyl	9.42	Baseline Smoothing	wellsd	05/30/13 07:31

Lab Sample ID: 280-42047-8 MSD Client Sample ID: B301SCS0308AA MSD

Date Analyzed: 05/30/13 00:25 Lab File ID: 05290040.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.13	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 2	6.62	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 5	8.16	Baseline Smoothing	wellsd	05/30/13 07:31

Lab Sample ID: 280-42047-8 MSD Client Sample ID: B301SCS0308AA MSD

Date Analyzed: 05/30/13 00:25 Lab File ID: 05290040.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.64	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 2	6.92	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 3	7.26	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 4	7.52	Baseline Smoothing	wellsd	05/30/13 07:31
Toxaphene Peak 5	8.34	Baseline Smoothing	wellsd	05/30/13 07:31

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176329

Lab Sample ID: CCV 280-176329/43 Client Sample ID:

Date Analyzed: 05/30/13 01:15 Lab File ID: 05290043.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/30/13 07:32
Toxaphene Peak 2	6.63	Baseline Smoothing	wellsd	05/30/13 07:32
Toxaphene Peak 3	7.31	Baseline Smoothing	wellsd	05/30/13 07:32
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/30/13 07:32
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/30/13 07:32

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-42047-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 176496

Lab Sample ID: CCV 280-176496/12 Client Sample ID:

Date Analyzed: 05/30/13 17:17 Lab File ID: 05300012.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.12	Baseline Smoothing	wellsd	05/31/13 07:13
Toxaphene Peak 2	6.63	Baseline Smoothing	wellsd	05/31/13 07:13
Toxaphene Peak 3	7.31	Baseline Smoothing	wellsd	05/31/13 07:13
Toxaphene Peak 4	7.71	Baseline Smoothing	wellsd	05/31/13 07:13
Toxaphene Peak 5	8.18	Baseline Smoothing	wellsd	05/31/13 07:13

Lab Sample ID: CCV 280-176496/24 Client Sample ID:

Date Analyzed: 05/30/13 20:35 Lab File ID: 05300024.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.11	Baseline Smoothing	wellsd	05/31/13 07:15
Toxaphene Peak 2	6.63	Baseline Smoothing	wellsd	05/31/13 07:15
Toxaphene Peak 3	7.30	Baseline Smoothing	wellsd	05/31/13 07:15
Toxaphene Peak 4	7.70	Baseline Smoothing	wellsd	05/31/13 07:15
Toxaphene Peak 5	8.17	Baseline Smoothing	wellsd	05/31/13 07:15

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-42047-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-42047-1	B301SCS0104AA	Solid	05/06/2013 0948	05/08/2013 0915
280-42047-2	B301SCS0108AA	Solid	05/06/2013 0955	05/08/2013 0915
280-42047-3	B301SCS0112AA	Solid	05/06/2013 1002	05/08/2013 0915
280-42047-4	B301SCS0204AA	Solid	05/06/2013 1025	05/08/2013 0915
280-42047-5	B301SCS0208AA	Solid	05/06/2013 1027	05/08/2013 0915
280-42047-6	B301SCS0212AA	Solid	05/06/2013 1031	05/08/2013 0915
280-42047-7	B301SCS0304AA	Solid	05/06/2013 1012	05/08/2013 0915
280-42047-8	B301SCS0308AA	Solid	05/06/2013 1016	05/08/2013 0915
280-42047-8MS	B301SCS0308AA	Solid	05/06/2013 1016	05/08/2013 0915
280-42047-8MSD	B301SCS0308AA	Solid	05/06/2013 1016	05/08/2013 0915
280-42047-9	B301SCS0312AA	Solid	05/06/2013 1029	05/08/2013 0915
280-42047-10FD	B301SCS0112AC	Solid	05/06/2013 1008	05/08/2013 0915
280-42047-11EB	050613AE	Water	05/06/2013 1630	05/08/2013 0915

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-42047-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-42047-1	**B301SCS0104AA**					
4,4'-DDD		14	J D Q	18	ug/Kg	8081B
4,4'-DDE		59	D Q	18	ug/Kg	8081B
4,4'-DDT		160	D Q	21	ug/Kg	8081B
alpha-Chlordane		19	Q	1.8	ug/Kg	8081B
Dieldrin		0.66	J Q	1.8	ug/Kg	8081B
gamma-Chlordane		21	Q	1.8	ug/Kg	8081B
Heptachlor		1.4	J Q	1.8	ug/Kg	8081B
Heptachlor epoxide		1.3	Q J	1.8	ug/Kg	8081B
Percent Moisture		9.4		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture
280-42047-2	**B301SCS0108AA**					
4,4'-DDD		5.8	J D Q	17	ug/Kg	8081B
4,4'-DDE		30		1.7	ug/Kg	8081B
4,4'-DDT		92	D Q	21	ug/Kg	8081B
alpha-Chlordane		4.5		1.7	ug/Kg	8081B
gamma-Chlordane		5.8		1.7	ug/Kg	8081B
Heptachlor		0.55	J	1.7	ug/Kg	8081B
Percent Moisture		6.9		0.10	%	Moisture
Percent Solids		93		0.10	%	Moisture
280-42047-3	**B301SCS0112AA**					
4,4'-DDE		0.52	J	1.8	ug/Kg	8081B
4,4'-DDT		1.2	J	2.1	ug/Kg	8081B
Percent Moisture		9.4		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture
280-42047-4	**B301SCS0204AA**					
4,4'-DDD		270	D Q	190	ug/Kg	8081B
4,4'-DDE		1500	D Q	190	ug/Kg	8081B
4,4'-DDT		3000	D Q	220	ug/Kg	8081B
alpha-Chlordane		77	J D Q	190	ug/Kg	8081B
Dieldrin		8.5	Q	1.9	ug/Kg	8081B
Endrin ketone		4.1	Q J	1.9	ug/Kg	8081B
gamma-Chlordane		81	J D Q	190	ug/Kg	8081B
Heptachlor		1.4	J Q	1.9	ug/Kg	8081B
Heptachlor epoxide		8.7	Q J	1.9	ug/Kg	8081B
Percent Moisture		13		0.10	%	Moisture
Percent Solids		87		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-42047-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-42047-5	**B301SCS0208AA**					
4,4'-DDD		19	D	17	ug/Kg	8081B
4,4'-DDE		140	D	17	ug/Kg	8081B
4,4'-DDT		230	D	20	ug/Kg	8081B
alpha-Chlordane		6.7		1.7	ug/Kg	8081B
Dieldrin		0.26	J	1.7	ug/Kg	8081B
gamma-Chlordane		5.8		1.7	ug/Kg	8081B
Heptachlor epoxide		0.52	J	1.7	ug/Kg	8081B
Percent Moisture		8.2		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
280-42047-6	**B301SCS0212AA**					
4,4'-DDE		1.1	J	1.8	ug/Kg	8081B
4,4'-DDT		1.2	J	2.1	ug/Kg	8081B
Percent Moisture		7.7		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
280-42047-7	**B301SCS0304AA**					
4,4'-DDE		13	Q	1.8	ug/Kg	8081B
4,4'-DDT		82	D	21	ug/Kg	8081B
alpha-Chlordane		4.2	Q	1.8	ug/Kg	8081B
Dieldrin		0.97	Q J	1.8	ug/Kg	8081B
gamma-Chlordane		3.8	Q J	1.8	ug/Kg	8081B
Heptachlor epoxide		2.0	Q J	1.8	ug/Kg	8081B
Percent Moisture		11		0.10	%	Moisture
Percent Solids		89		0.10	%	Moisture
280-42047-8	**B301SCS0308AA**					
4,4'-DDE		3.9	Q	1.8	ug/Kg	8081B
4,4'-DDT		13	J D Q	22	ug/Kg	8081B
alpha-Chlordane		1.3	J Q	1.8	ug/Kg	8081B
Dieldrin		0.99	J Q	1.8	ug/Kg	8081B
Heptachlor epoxide		0.53	J Q	1.8	ug/Kg	8081B
Percent Moisture		13		0.10	%	Moisture
Percent Solids		87		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-42047-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-42047-9	**B301SCS0312AA**					
4,4'-DDE		2.4		1.8	ug/Kg	8081B
4,4'-DDT		19	J D Q	21	ug/Kg	8081B
alpha-Chlordane		0.51	J	1.8	ug/Kg	8081B
Dieldrin		0.24	J	1.8	ug/Kg	8081B
Percent Moisture		7.6		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
280-42047-10FD	**B301SCS0112AC**					
4,4'-DDE		0.26	J	1.8	ug/Kg	8081B
4,4'-DDT		1.1	J	2.1	ug/Kg	8081B
Percent Moisture		7.7		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-42047-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Organochlorine Pesticides (GC)	TAL DEN	SW846 8081B	
Microwave Extraction	TAL DEN		SW846 3546
Percent Moisture	TAL DEN	EPA Moisture	
Matrix: Water			
Organochlorine Pesticides (GC)	TAL DEN	SW846 8081B	
Liquid-Liquid Extraction (Separatory Funnel)	TAL DEN		SW846 3510C

Lab References:

TAL DEN = TestAmerica Denver

Method References:

EPA = US Environmental Protection Agency

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

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0104AA

Lab Sample ID: 280-42047-1
Client Matrix: Solid

% Moisture: 9.4

Date Sampled: 05/06/2013 0948
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2157			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Aldrin		0.49	U Q	0.27	1.8
alpha-BHC		0.49	U Q J	0.23	1.8
alpha-Chlordane		19	Q	0.35	1.8
beta-BHC		0.74	U Q J	0.71	1.8
delta-BHC		0.74	U Q J	0.43	1.8
Dieldrin		0.66	J Q	0.23	1.8
Endosulfan I		0.49	U Q	0.19	1.8
Endosulfan II		0.49	U Q	0.31	1.8
Endosulfan sulfate		0.49	U Q	0.30	1.8
Endrin		0.49	U Q	0.33	1.8
Endrin aldehyde		0.49	U Q	0.18	1.8
Endrin ketone		0.74	U Q	0.52	1.8
gamma-BHC (Lindane)		0.74	U Q J	0.50	1.8
gamma-Chlordane		21	Q	0.29	1.8
Heptachlor		1.4	J Q	0.23	1.8
Heptachlor epoxide		1.3	Q J	0.46	1.8
Toxaphene		29	U Q	17	180

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	128		55 - 130
Tetrachloro-m-xylene	65	Q	70 - 125

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METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-42047-1

Method	Analyst	Analyst ID
SW846 8081B	Wells, David	DW
EPA Moisture	Sullivan, Josh	JS

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0104AA

Lab Sample ID: 280-42047-1
Client Matrix: Solid

% Moisture: 9.4

Date Sampled: 05/06/2013 0948
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2157			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	212	Q	55 - 130
Tetrachloro-m-xylene	59	Q	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0104AA

Lab Sample ID: 280-42047-1
Client Matrix: Solid

% Moisture: 9.4

Date Sampled: 05/06/2013 0948
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 1839	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		14	J	5.9	18
4,4'-DDE		59		2.6	18
4,4'-DDT		160		6.3	21
Methoxychlor		7.4	U	4.8	35

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	93	D	55 - 130
Tetrachloro-m-xylene	66	D Q	70 - 125

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Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0104AA**

Lab Sample ID: 280-42047-1
Client Matrix: Solid

% Moisture: 9.4

Date Sampled: 05/06/2013 0948
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 1839	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	168	D Q	55 - 130
Tetrachloro-m-xylene	60	D Q	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0108AA

Lab Sample ID: 280-42047-2
Client Matrix: Solid

% Moisture: 6.9

Date Sampled: 05/06/2013 0955
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2214			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDE		30		0.24	1.7
Aldrin		0.47	U	0.26	1.7
alpha-BHC		0.47	U	0.22	1.7
alpha-Chlordane		4.5		0.33	1.7
beta-BHC		0.71	U	0.68	1.7
delta-BHC		0.71	U	0.41	1.7
Dieldrin		0.47	U	0.22	1.7
Endosulfan I		0.47	U	0.18	1.7
Endosulfan II		0.47	U	0.30	1.7
Endosulfan sulfate		0.47	U	0.28	1.7
Endrin		0.47	U	0.31	1.7
Endrin aldehyde		0.47	U	0.18	1.7
Endrin ketone		0.71	U	0.50	1.7
gamma-BHC (Lindane)		0.71	U	0.48	1.7
gamma-Chlordane		5.8		0.27	1.7
Heptachlor		0.55	J	0.22	1.7
Heptachlor epoxide		0.71	U	0.44	1.7
Toxaphene		28	U	16	170

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	85		55 - 130
Tetrachloro-m-xylene	73		70 - 125

7/16/13

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0108AA

Lab Sample ID: 280-42047-2
Client Matrix: Solid

% Moisture: 6.9

Date Sampled: 05/06/2013 0955
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2214			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	162	Q	55 - 130
Tetrachloro-m-xylene	74		70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0108AA**

Lab Sample ID: 280-42047-2
Client Matrix: Solid

% Moisture: 6.9

Date Sampled: 05/06/2013 0955
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 1856	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		5.8	~~J D Q~~	5.6	17
4,4'-DDT		92	~~D Q~~	6.1	21
Methoxychlor		7.1	~~U Q~~	4.6	34

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	67	D	55 - 130
Tetrachloro-m-xylene	67	D Q	70 - 125

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Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0108AA

Lab Sample ID: 280-42047-2
Client Matrix: Solid

% Moisture: 6.9

Date Sampled: 05/06/2013 0955
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 1856	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	154	D Q	55 - 130
Tetrachloro-m-xylene	63	D Q	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0112AA

Lab Sample ID: 280-42047-3
Client Matrix: Solid

% Moisture: 9.4

Date Sampled: 05/06/2013 1002
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 1912			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.73	U	0.58	1.8
4,4'-DDE		0.52	J	0.25	1.8
4,4'-DDT		1.2	J	0.62	2.1
Aldrin		0.49	U	0.27	1.8
alpha-BHC		0.49	U	0.23	1.8
alpha-Chlordane		0.49	U	0.34	1.8
beta-BHC		0.73	U	0.70	1.8
delta-BHC		0.73	U	0.42	1.8
Dieldrin		0.49	U	0.22	1.8
Endosulfan I		0.49	U	0.19	1.8
Endosulfan II		0.49	U	0.30	1.8
Endosulfan sulfate		0.49	U	0.29	1.8
Endrin		0.49	U	0.32	1.8
Endrin aldehyde		0.49	U	0.18	1.8
Endrin ketone		0.73	U	0.52	1.8
gamma-BHC (Lindane)		0.73	U	0.49	1.8
gamma-Chlordane		0.73	U	0.28	1.8
Heptachlor		0.49	U	0.23	1.8
Heptachlor epoxide		0.73	U	0.45	1.8
Methoxychlor		0.73	U	0.48	3.5
Toxaphene		29	U	17	180

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		55 - 130
Tetrachloro-m-xylene	90		70 - 125

CMT 7/16/13

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0112AA

Lab Sample ID: 280-42047-3
Client Matrix: Solid

% Moisture: 9.4

Date Sampled: 05/06/2013 1002
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 1912			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		55 - 130
Tetrachloro-m-xylene	88		70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0204AA**

Lab Sample ID: 280-42047-4
Client Matrix: Solid

% Moisture: 13.1

Date Sampled: 05/06/2013 1025
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2230			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Aldrin		0.51	U	0.28	1.9
alpha-BHC		0.51	U J	0.24	1.9
beta-BHC		0.77	U J	0.74	1.9
delta-BHC		0.77	U	0.45	1.9
Dieldrin		8.5		0.23	1.9
Endosulfan I		0.51	U	0.20	1.9
Endosulfan II		0.51	U	0.32	1.9
Endosulfan sulfate		0.51	U	0.31	1.9
Endrin		0.51	U	0.34	1.9
Endrin aldehyde		0.51	U	0.19	1.9
Endrin ketone		4.1	J	0.55	1.9
gamma-BHC (Lindane)		0.77	U J	0.52	1.9
Heptachlor		1.4	J	0.24	1.9
Heptachlor epoxide		8.7	J	0.48	1.9
Toxaphene		30	U	18	190

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	137	Q	55 - 130
Tetrachloro-m-xylene	70		70 - 125

7/16/13

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0204AA

Lab Sample ID: 280-42047-4
Client Matrix: Solid

% Moisture: 13.1

Date Sampled: 05/06/2013 1025
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2230			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	263	Q	55 - 130
Tetrachloro-m-xylene	66	Q	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0204AA

Lab Sample ID: 280-42047-4
Client Matrix: Solid

% Moisture: 13.1

Date Sampled: 05/06/2013 1025
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176496	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	100			Final Weight/Volume:	10000 uL
Analysis Date:	05/30/2013 1733	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		270	~~D Q~~	61	190
4,4'-DDE		1500	~~D Q~~	27	190
4,4'-DDT		3000	~~D Q~~	66	220
alpha-Chlordane		77	~~J D Q~~	36	190
gamma-Chlordane		81	~~J D Q~~	30	190
Methoxychlor		77	~~U Q~~	50	370

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	D Q	55 - 130
Tetrachloro-m-xylene	0	D Q	70 - 125

MK
7/16/13

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0204AA**

Lab Sample ID: 280-42047-4
Client Matrix: Solid

% Moisture: 13.1

Date Sampled: 05/06/2013 1025
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176496	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	100			Final Weight/Volume:	10000 uL
Analysis Date:	05/30/2013 1733	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	D Q	55 - 130
Tetrachloro-m-xylene	0	D Q	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0208AA

Lab Sample ID: 280-42047-5
Client Matrix: Solid

% Moisture: 8.2

Date Sampled: 05/06/2013 1027
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	32.0 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2247			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Aldrin		0.47	U	0.26	1.7
alpha-BHC		0.47	U	0.22	1.7
alpha-Chlordane		6.7		0.33	1.7
beta-BHC		0.70	U	0.68	1.7
delta-BHC		0.70	U	0.41	1.7
Dieldrin		0.26	J	0.21	1.7
Endosulfan I		0.47	U	0.18	1.7
Endosulfan II		0.47	U	0.29	1.7
Endosulfan sulfate		0.47	U	0.28	1.7
Endrin		0.47	U	0.31	1.7
Endrin aldehyde		0.47	U	0.17	1.7
Endrin ketone		0.70	U	0.50	1.7
gamma-BHC (Lindane)		0.70	U	0.47	1.7
gamma-Chlordane		5.8		0.27	1.7
Heptachlor		0.47	U	0.22	1.7
Heptachlor epoxide		0.52	J	0.44	1.7
Toxaphene		28	U	16	170

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		55 - 130
Tetrachloro-m-xylene	75		70 - 125

dkt
5/16/13

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0208AA**

Lab Sample ID: 280-42047-5
Client Matrix: Solid

% Moisture: 8.2

Date Sampled: 05/06/2013 1027
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	32.0 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2247			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	101		55 - 130
Tetrachloro-m-xylene	75		70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0208AA**

Lab Sample ID: 280-42047-5
Client Matrix: Solid

% Moisture: 8.2

Date Sampled: 05/06/2013 1027
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	32.0 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 1945	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		19	~~D~~	5.6	17
4,4'-DDE		140	~~D~~	2.4	17
4,4'-DDT		230	~~D~~	6.0	20
Methoxychlor		7.0	U	4.6	34

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	79	D	55 - 130
Tetrachloro-m-xylene	71	D	70 - 125

cdt
7/16/13

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0208AA

Lab Sample ID: 280-42047-5
Client Matrix: Solid

% Moisture: 8.2

Date Sampled: 05/06/2013 1027
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	32.0 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 1945	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	67	D	55 - 130
Tetrachloro-m-xylene	62	D Q	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0212AA

Lab Sample ID: 280-42047-6
Client Matrix: Solid

% Moisture: 7.7

Date Sampled: 05/06/2013 1031
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2002			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.73	U	0.57	1.8
4,4'-DDE		1.1	J	0.25	1.8
4,4'-DDT		1.2	J	0.62	2.1
Aldrin		0.48	U	0.26	1.8
alpha-BHC		0.48	U	0.23	1.8
alpha-Chlordane		0.48	U	0.34	1.8
beta-BHC		0.73	U	0.70	1.8
delta-BHC		0.73	U	0.42	1.8
Dieldrin		0.48	U	0.22	1.8
Endosulfan I		0.48	U	0.19	1.8
Endosulfan II		0.48	U	0.30	1.8
Endosulfan sulfate		0.48	U	0.29	1.8
Endrin		0.48	U	0.32	1.8
Endrin aldehyde		0.48	U	0.18	1.8
Endrin ketone		0.73	U	0.51	1.8
gamma-BHC (Lindane)		0.73	U	0.49	1.8
gamma-Chlordane		0.73	U	0.28	1.8
Heptachlor		0.48	U	0.23	1.8
Heptachlor epoxide		0.73	U	0.45	1.8
Methoxychlor		0.73	U	0.47	3.5
Toxaphene		28	U	17	180

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		55 - 130
Tetrachloro-m-xylene	86		70 - 125

CMT
5/16/13

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0212AA**

Lab Sample ID: 280-42047-6
Client Matrix: Solid

% Moisture: 7.7

Date Sampled: 05/06/2013 1031
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	30.9 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2002			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	95		55 - 130
Tetrachloro-m-xylene	85		70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0304AA

Lab Sample ID: 280-42047-7
Client Matrix: Solid

% Moisture: 10.5

Date Sampled: 05/06/2013 1012
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2303			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDE		13		0.25	1.8
Aldrin		0.49	U	0.27	1.8
alpha-BHC		0.49	U J	0.23	1.8
alpha-Chlordane		4.2		0.35	1.8
beta-BHC		0.74	U J	0.71	1.8
delta-BHC		0.74	U J	0.43	1.8
Dieldrin		0.97	J	0.22	1.8
Endosulfan I		0.49	U	0.19	1.8
Endosulfan II		0.49	U	0.31	1.8
Endosulfan sulfate		0.49	U	0.30	1.8
Endrin		0.49	U	0.33	1.8
Endrin aldehyde		0.49	U	0.18	1.8
Endrin ketone		0.74	U	0.52	1.8
gamma-BHC (Lindane)		0.74	U	0.50	1.8
→ gamma-Chlordane		3.8	J	0.28	1.8
Heptachlor		0.49	U	0.23	1.8
→ Heptachlor epoxide		2.0	J	0.46	1.8
Toxaphene		29	U	17	180

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	141	Q	55 - 130
Tetrachloro-m-xylene	77		70 - 125

cdt
7/16/13

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0304AA

Lab Sample ID: 280-42047-7
Client Matrix: Solid

% Moisture: 10.5

Date Sampled: 05/06/2013 1012
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2303			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	163	Q	55 - 130
Tetrachloro-m-xylene	67	Q	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0304AA

Lab Sample ID: 280-42047-7
Client Matrix: Solid

% Moisture: 10.5

Date Sampled: 05/06/2013 1012
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2018	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		7.4	U	5.8	18
4,4'-DDT		82	D	6.3	21
Methoxychlor		7.4	U	4.8	35

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	88	D	55 - 130
Tetrachloro-m-xylene	75	D	70 - 125

7/16/13

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0304AA**

Lab Sample ID: 280-42047-7
Client Matrix: Solid

% Moisture: 10.5

Date Sampled: 05/06/2013 1012
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.3 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2018	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	146	D Q	55 - 130
Tetrachloro-m-xylene	60	D Q	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0308AA

Lab Sample ID: 280-42047-8
Client Matrix: Solid

% Moisture: 13.3

Date Sampled: 05/06/2013 1016
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.9 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2319			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDE		3.9		0.26	1.8
Aldrin		0.50	U	0.27	1.8
alpha-BHC		0.50	U	0.23	1.8
alpha-Chlordane		1.3	J	0.35	1.8
beta-BHC		0.75	U	0.72	1.8
delta-BHC		0.75	U	0.43	1.8
Dieldrin		0.99	J	0.23	1.8
Endosulfan I		0.50	U	0.19	1.8
Endosulfan II		0.50	U	0.31	1.8
Endosulfan sulfate		0.50	U	0.30	1.8
Endrin		0.50	U	0.33	1.8
Endrin aldehyde		0.50	U	0.19	1.8
Endrin ketone		0.75	U	0.53	1.8
gamma-BHC (Lindane)		0.75	U	0.50	1.8
gamma-Chlordane		0.75	U	0.29	1.8
Heptachlor		0.50	U	0.23	1.8
Heptachlor epoxide		0.53	J	0.46	1.8
Toxaphene		29	U J	17	180

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	100		55 - 130
Tetrachloro-m-xylene	69	Q	70 - 125

7/16/13

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0308AA

Lab Sample ID: 280-42047-8
Client Matrix: Solid

% Moisture: 13.3

Date Sampled: 05/06/2013 1016
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.9 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2319			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	97		55 - 130
Tetrachloro-m-xylene	74		70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0308AA**

Lab Sample ID: 280-42047-8
Client Matrix: Solid

% Moisture: 13.3

Date Sampled: 05/06/2013 1016
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.9 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2035	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		7.5	U Ø	5.9	18
4,4'-DDT		13	J Ø Ø	6.4	22
Methoxychlor		7.5	U Ø	4.9	36

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	81	D	55 - 130
Tetrachloro-m-xylene	69	D Q	70 - 125

7/16/13

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0308AA

Lab Sample ID: 280-42047-8
Client Matrix: Solid

% Moisture: 13.3

Date Sampled: 05/06/2013 1016
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.9 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2035	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	73	D	55 - 130
Tetrachloro-m-xylene	61	D Q	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0312AA

Lab Sample ID: 280-42047-9
Client Matrix: Solid

% Moisture: 7.6

Date Sampled: 05/06/2013 1029
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.0 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/30/2013 0042			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDE		2.4		0.25	1.8
Aldrin		0.48	U	0.26	1.8
alpha-BHC		0.48	U	0.22	1.8
alpha-Chlordane		0.51	J	0.34	1.8
beta-BHC		0.72	U	0.70	1.8
delta-BHC		0.72	U	0.42	1.8
Dieldrin		0.24	J	0.22	1.8
Endosulfan I		0.48	U	0.18	1.8
Endosulfan II		0.48	U	0.30	1.8
Endosulfan sulfate		0.48	U	0.29	1.8
Endrin		0.48	U	0.32	1.8
Endrin aldehyde		0.48	U	0.18	1.8
Endrin ketone		0.72	U	0.51	1.8
gamma-BHC (Lindane)		0.72	U	0.49	1.8
gamma-Chlordane		0.72	U	0.28	1.8
Heptachlor		0.48	U	0.22	1.8
Heptachlor epoxide		0.72	U	0.45	1.8
Toxaphene		28	U	17	180

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	99		55 - 130
Tetrachloro-m-xylene	92		70 - 125

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Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0312AA

Lab Sample ID: 280-42047-9
Client Matrix: Solid

% Moisture: 7.6

Date Sampled: 05/06/2013 1029
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.0 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/30/2013 0042			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	110		55 - 130
Tetrachloro-m-xylene	77		70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0312AA**

Lab Sample ID: 280-42047-9
Client Matrix: Solid

% Moisture: 7.6

Date Sampled: 05/06/2013 1029
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.0 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2051	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		7.2	U Ø	5.7	18
4,4'-DDT		19	J Ø Ø	6.2	21
Methoxychlor		7.2	U Ø	4.7	35

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	90	D	55 - 130
Tetrachloro-m-xylene	68	D Q	70 - 125

7/16/13

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0312AA

Lab Sample ID: 280-42047-9
Client Matrix: Solid

% Moisture: 7.6

Date Sampled: 05/06/2013 1029
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.0 g
Dilution:	10			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2051	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	82	D	55 - 130
Tetrachloro-m-xylene	63	D Q	70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: B301SCS0112AC

Lab Sample ID: 280-42047-10FD
Client Matrix: Solid

% Moisture: 7.7

Date Sampled: 05/06/2013 1008
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.5 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2108			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.71	U	0.56	1.8
4,4'-DDE		0.26	J	0.25	1.8
4,4'-DDT		1.1	J	0.61	2.1
Aldrin		0.47	U	0.26	1.8
alpha-BHC		0.47	U	0.22	1.8
alpha-Chlordane		0.47	U	0.33	1.8
beta-BHC		0.71	U	0.69	1.8
delta-BHC		0.71	U	0.41	1.8
Dieldrin		0.47	U	0.22	1.8
Endosulfan I		0.47	U	0.18	1.8
Endosulfan II		0.47	U	0.30	1.8
Endosulfan sulfate		0.47	U	0.28	1.8
Endrin		0.47	U	0.32	1.8
Endrin aldehyde		0.47	U	0.18	1.8
Endrin ketone		0.71	U	0.50	1.8
gamma-BHC (Lindane)		0.71	U	0.48	1.8
gamma-Chlordane		0.71	U	0.27	1.8
Heptachlor		0.47	U	0.22	1.8
Heptachlor epoxide		0.71	U	0.44	1.8
Methoxychlor		0.71	U	0.46	3.4
Toxaphene		28	U	16	180

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	99		55 - 130
Tetrachloro-m-xylene	88		70 - 125

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7/16/13

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **B301SCS0112AC**

Lab Sample ID: 280-42047-10FD
Client Matrix: Solid

% Moisture: 7.7

Date Sampled: 05/06/2013 1008
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-176329	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-174346	Initial Weight/Volume:	31.5 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/29/2013 2108			Injection Volume:	1 uL
Prep Date:	05/15/2013 1108			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	98		55 - 130
Tetrachloro-m-xylene	86		70 - 125

Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **050613AE**

Lab Sample ID: 280-42047-11EB
Client Matrix: Water

Date Sampled: 05/06/2013 1630
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-174317	Instrument ID:	SGC_P1
Prep Method:	3510C	Prep Batch:	280-174025	Initial Weight/Volume:	1056.8 mL
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/15/2013 1836			Injection Volume:	1 uL
Prep Date:	05/13/2013 1720			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	DL	LOQ
4,4'-DDD	0.0095	U	0.0073	0.047
4,4'-DDE	0.0095	U	0.0071	0.047
4,4'-DDT	0.019	U	0.014	0.047
Aldrin	0.0095	U	0.0056	0.047
alpha-BHC	0.0095	U	0.0050	0.047
alpha-Chlordane	0.0095	U	0.0050	0.047
beta-BHC	0.0095	U	0.0082	0.047
delta-BHC	0.0095	U	0.0055	0.047
Dieldrin	0.0095	U	0.0060	0.047
Endosulfan I	0.0095	U	0.0055	0.047
Endosulfan II	0.0095	U	0.0066	0.047
Endosulfan sulfate	0.0095	U	0.0054	0.047
Endrin	0.0095	U	0.0075	0.047
Endrin aldehyde	0.0095	U	0.0083	0.047
Endrin ketone	0.0095	U	0.0066	0.047
gamma-BHC (Lindane)	0.0095	U	0.0065	0.047
gamma-Chlordane	0.0095	U	0.0086	0.047
Heptachlor	0.0095	U	0.0073	0.047
Heptachlor epoxide	0.0095	U	0.0071	0.047
Methoxychlor	0.019	U	0.012	0.095

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	123		30 - 135
Tetrachloro-m-xylene	56		25 - 140

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Client: FPM Remediations Inc

Job Number: 280-42047-1

Client Sample ID: **050613AE**

Lab Sample ID: 280-42047-11EB
Client Matrix: Water

Date Sampled: 05/06/2013 1630
Date Received: 05/08/2013 0915

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-174317	Instrument ID:	SGC_P1
Prep Method:	3510C	Prep Batch:	280-174025	Initial Weight/Volume:	1056.8 mL
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	05/15/2013 1836			Injection Volume:	1 uL
Prep Date:	05/13/2013 1720			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	104		30 - 135
Tetrachloro-m-xylene	49		25 - 140

General Chemistry

Client Sample ID: **B301SCS0104AA**

Lab Sample ID: 280-42047-1
Client Matrix: Solid

Date Sampled: 05/06/2013 0948
Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	9.4		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210					DryWt Corrected: N
Percent Solids	91		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210					DryWt Corrected: N

General Chemistry

Client Sample ID: **B301SCS0108AA**

Lab Sample ID: 280-42047-2
Client Matrix: Solid

Date Sampled: 05/06/2013 0955
Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	6.9		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-175692		Analysis Date: 05/23/2013 1210				DryWt Corrected: N
Percent Solids	93		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-175692		Analysis Date: 05/23/2013 1210				DryWt Corrected: N

General Chemistry

Client Sample ID: **B301SCS0112AA**

Lab Sample ID: 280-42047-3
Client Matrix: Solid

Date Sampled: 05/06/2013 1002
Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	9.4		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-175692		Analysis Date: 05/23/2013 1210				DryWt Corrected: N
Percent Solids	91		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-175692		Analysis Date: 05/23/2013 1210				DryWt Corrected: N

Client: FPM Remediations Inc

Job Number: 280-42047-1

General Chemistry

Client Sample ID: **B301SCS0204AA**

Lab Sample ID: 280-42047-4
Client Matrix: Solid

Date Sampled: 05/06/2013 1025
Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210					DryWt Corrected: N
Percent Solids	87		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210					DryWt Corrected: N

General Chemistry

Client Sample ID: **B301SCS0208AA**

Lab Sample ID: 280-42047-5
Client Matrix: Solid

Date Sampled: 05/06/2013 1027
Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	8.2		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N

General Chemistry

Client Sample ID: **B301SCS0212AA**

Lab Sample ID: 280-42047-6
Client Matrix: Solid

Date Sampled: 05/06/2013 1031
Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	7.7		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210					DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210					DryWt Corrected: N

General Chemistry

Client Sample ID: **B301SCS0304AA**

Lab Sample ID: 280-42047-7
Client Matrix: Solid

Date Sampled: 05/06/2013 1012
Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	11		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-175692		Analysis Date: 05/23/2013 1210				DryWt Corrected: N
Percent Solids	89		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-175692		Analysis Date: 05/23/2013 1210				DryWt Corrected: N

General Chemistry

Client Sample ID: **B301SCS0308AA**

Lab Sample ID: 280-42047-8
Client Matrix: Solid

Date Sampled: 05/06/2013 1016
Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	13		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210					DryWt Corrected: N
Percent Solids	87		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210					DryWt Corrected: N

General Chemistry

Client Sample ID: **B301SCS0312AA**

Lab Sample ID: 280-42047-9
Client Matrix: Solid

Date Sampled: 05/06/2013 1029
Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	7.6		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210						DryWt Corrected: N

Client: FPM Remediations Inc

Job Number: 280-42047-1

General Chemistry

Client Sample ID: **B301SCS0112AC**

Lab Sample ID: 280-42047-10FD
Client Matrix: Solid

Date Sampled: 05/06/2013 1008
Date Received: 05/08/2013 0915

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	7.7		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210					DryWt Corrected: N
Percent Solids	92		%	0.10	0.10	1.0	Moisture
	Analysis Batch: 280-175692	Analysis Date: 05/23/2013 1210					DryWt Corrected: N

ATTACHMENT 1

FINAL

REMOVAL ACTION PLAN
DP012 BUILDING 301 AREA CONCERN

FORMER GRIFFISS AIR FORCE BASE SITE
ROME, NEW YORK

Prepared for:

Air Force Civil Engineering Center
Building 45
706 Brooks Road
Rome, New York 13441

Prepared by:

FPM Remediations Inc.
584 Phoenix Drive
Rome, New York 13441

In association with:

10901 Lowell Avenue, Suite 271

Overland Park, Kansas 66210

Contract Number FA8903-10-D-8595/
Delivery Order 0014

December 2013

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TABLES

Table 1 DP012 Building 301 AOC Soil Sampling Results

FIGURES

Figure 1 DP012 Building 301 AOC Proposed Excavation

APPENDICES

Appendix A Soil Sampling Form and Daily Field Report

LIST OF ACRONYMS AND ABBREVIATIONS

AFCEC	Air Force Civil Engineering Center
AOC	Area of Concern
AOI	Area of Interest
bgs	below ground surface
COC	Contaminants of Concern
cy	cubic yard
DQCRs	Daily Quality Control Reports
FPM	FPM Remediations, Inc.
ft	feet
LUC/IC	Land Use Control/Institutional Control
LTM	Long Term Monitoring
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
OHSWA	Oneida-Herkimer Solid Waste Authority
PBR	Performance-Based Remediation
PCBs	Polychlorinated Biphenyls
RI	Remedial Investigation
SCOs	Soil Clean up Objectives
SOP	Standard Operating Procedure
SVOCs	Semi-Volatile Organic Compounds
TCLP	Toxicity Characteristic Leaching Procedure
UFP QAPP	Uniform Federal Policy Quality Assurance Project Plan
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

FPM Remediations, Inc. (FPM), in association with CAPE, Inc., under contract with the Air Force Civil Engineering Center (AFCEC), is conducting a site remediation to achieve unrestricted reuse at the DP012 Building 301 Area of Concern (AOC). The work at this site was conducted in accordance with provisions of the Basic Contract #FA8903-10-D-8595 and Delivery Order # 0014.

1.1 SITE BACKGROUND

This Removal Action Plan has been developed to describe the site remediation proposed for the DP012 Building 301 AOC. Building 301 formerly housed the Entomology Shop, which provided pest control for the base. A drywell was reportedly located in the grassy area at the south east corner of the former building. The drywell was reportedly a 4-foot square by 8-foot deep pit filled with stone and gravel. It was used from the 1940s through 1982 to dispose of small quantities of excess pesticides and rinse water from pesticide applications. Previous investigations have not been able to locate this drywell.

The Remedial Investigation (RI) for the Building 301 AOC was completed in 1994. Results showed the presence of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, and metals in soils at the site. A risk assessment was also conducted for the RI. For human health, contaminants in the soil and groundwater were within the lower end of the acceptable United States Environmental Protection Agency (USEPA) target risk range for industrial and commercial users.

Long Term Monitoring (LTM) was conducted at the site from 2003 to 2004. Groundwater was deemed not contaminated and monitoring ceased at the site in 2004 with regulatory approval. Removal of the groundwater restriction at the site was approved by the USEPA on June 7, 2012. The removal of the groundwater restriction was also accepted by the New York State Department of Environmental Conservation (NYSDEC) [email to AFCEC dated June 6, 2012].

A Phase II Environmental Site Assessment performed within the vicinity of the DP012 Building 301 AOC in 2010 indicated contaminants of concern (COC) concentrations were below 6-New York Codes, Rules, and Regulations (NYCRR) Part 375 Residential use Soil Cleanup Objectives (SCOs) at soil samples.

A site closure investigation, including a geophysical survey and soil sampling, was completed in 2012 and 2013, respectively. The 2012 geophysical investigation showed a potential drywell location at the site. Soil sampling was conducted in May 2013 and analyzed for pesticides (using EPA Method SW8081). The soil sampling results showed one pesticide (FPM, August 2013), dichlorodiphenyltrichloroethane (DDT), was detected above the 6-NYCRR Part 375 Residential use SCOs.

2.0 SITE WORK

Site activities proposed in this plan include the excavation of the site and disposal of approximately 80 cubic yards of soil. The extent of the site is provided in Figure 1. All field activities will be coordinated with the Griffiss Local Development Corporation (property owner) prior to execution.

2.1 SOIL AND CONFIRMATORY SOIL SAMPLING

The approximate extent of the excavation is 20 ft by 20 ft by 6 ft bgs. The site is a grassed area bordered by an asphalt parking lot. Therefore, a wheeled excavator and front-end loader will be used for the excavation in order to minimize any disturbance to the surrounding area. The presence of the drywell at the site will be verified during the excavation of the site. According to historical documentation, the drywell was reportedly a 4-foot square by 8-foot deep pit filled with stone and gravel. If the presence of the drywell is verified, the excavation will be continued to approximately 10 ft bgs. The excavation of two additional feet will be conducted to maximize the removal of potential contamination associated with the drywell and to ensure site closure with unrestricted reuse. All excavated soils will be stockpiled in the staging area illustrated in Figure 1.

Following excavation, endpoint sampling will be conducted. Five composite soil samples will be collected, one from each wall and one from the bottom of the excavation. The Standard Operating Procedures (SOP) for soil sampling is provided in Appendix A. The samples will be analyzed for pesticides. The results will be compared to 6-NYCRR Part 375 Residential Use SCOs. If necessary, additional excavation will be conducted until all confirmatory soil sampling results are below the 6-NYCRR Part 375 Residential Use SCOs.

2.2 TOXICITY CHARACTERISTIC LEACHING PROCEDURE SAMPLING

Following the soil removal, one composite sample will be collected and analyzed for toxicity characteristic leaching procedure (TCLP) pesticides. The results will be relied upon for soil characterization and disposal.

2.3 SOIL AND DRYWELL MATERIAL DISPOSAL

Upon confirmation that the soil can be characterized as non-hazardous waste, the excavated soil and excavated drywell material will be disposed of through the Oneida Herkimer Solid Waste Authority (OHSWA).

2.4 SITE RESTORATION

Following the completion of soil removal and disposal activities, the site will be restored by placing clean backfill in the excavation. Prior to use, soil samples of the backfill will be collected and analyzed for metals, semi-volatile organic compounds (SVOCs), volatile organic compounds (VOCs), pesticides, and polychlorinated biphenyls (PCBs) to demonstrate that the backfill utilized is clean. The backfilled areas will be re-graded to maintain the drainage

characteristics for the outfall area. The area will then be reseeded with grass. The restored site will be inspected periodically following restoration. If vegetation growth is not observed due to dry conditions, watering and/or additional seeding will be conducted.

2.5 FIELD DOCUMENTATION

Handwritten documentation will be completed in permanent, black ink on a daily basis to document removal activities. The daily field reports will provide a summary of all daily field activities, current weather, personnel on-site, and identify any problems and corrective actions taken during that day. The field reports will also include removal action activity photos. In addition, Daily Quality Control Reports (DQCRs) will be completed during soil sampling activities. All information concerning sample collection, identification, and custody is provided in the updated 2013 Griffiss PBR Contract Site Wide Project Plan UFP QAPP for Performance Based-Remediation at the former Griffiss AFB, New York, (CAPE/FPM/AECOM, May 2013).

Signed disposal manifests will be collected and maintained by the FPM site superintendent during the soil removal action. Additionally, an AFCEC Waste Inventory Tracking Form will be completed by the FPM field geologist during the soil removal activities and will detail waste specific information including date of waste generation, activity generating waste, description of waste, evidence of contamination, estimated volume, type and location of any containerization, and waste characterization description(s).

The soil sampling form and the daily field form are provided in Appendix B.

3.0 REPORTING

Following work completion, a Site Closure Report will be prepared. The report will describe the removal action and will clearly depict data collected to demonstrate that contaminant levels in soil remaining at the site are below 6-NYCRR Part 375 Residential Use SCOs. The report will include a compact disc with all field forms, disposal manifests, photos, and laboratory data

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4.0 REFERENCES

CAPE/FPM/AECOM, *Internal Draft, Site Investigation Report, Land Use Control/Institutional Control Sites (DP012 Building 301 Area of Concern), former Griffiss AFB, New York,* August 2013.

CAPE/FPM/AECOM, *Updated 2013 Final Uniform Federal Policy Quality Assurance Project Plan for Performance Based-Remediation at the former Griffiss AFB, New York,* May 2013.

CAPE/FPM/AECOM, *Final Addenda Health and Safety Plan for Performance Based-Remediation at the former Griffiss AFB, New York,* July 2012.

EPA, *Hazardous Waste Characteristics,* October 2009.

NYSDEC, *Title 6 of the New York Codes, Rules, and Regulations Part 375,* December 2006.

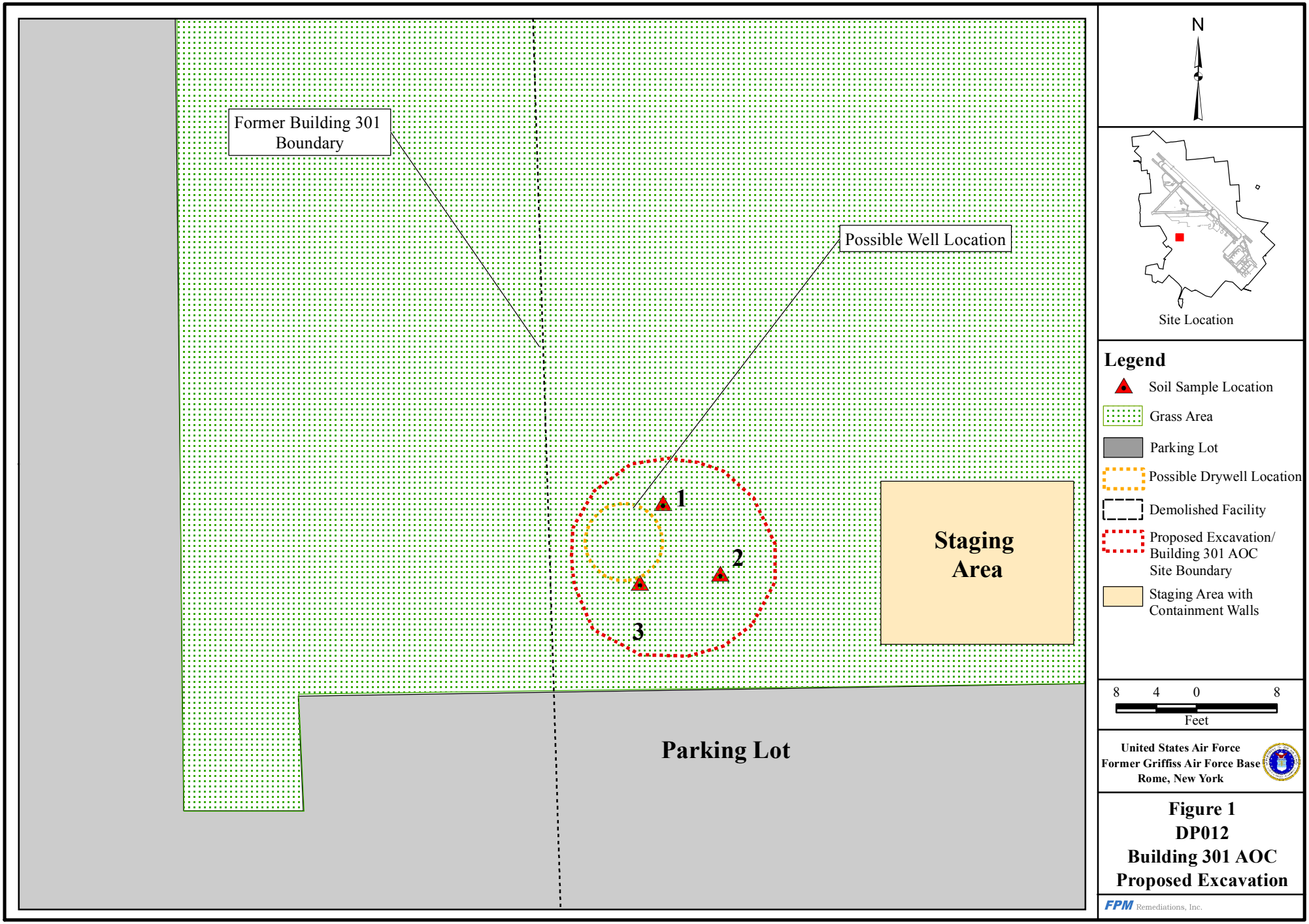
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Tables

Table 1
DP012 Building 301 AOC
Soil Sampling Results

Sample Location	NYCRR Part 375 Residential use Soil Cleanup Objectives (µg/Kg)*	B301SCS-1			B301SCS-2			B301SCS-3		
Sample ID		B301SCS0104AA	B301SCS0108AA	B301SCS0112AA	B301SCS0204AA	B301SCS0208AA	B301SCS0212AA	B301SCS0304AA	B301SCS0308AA	B301SCS0312AA
Date of Collection		5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013	5/6/2013
Sample Depth (ft bgs)		0-4	4-8	8-12	0-4	4-8	8-12	0-4	4-8	8-12
Pesticides (µg/Kg)										
alpha BHC	97	UJ	U	U	UJ	U	U	UJ	U	U
beta BHC	72	UJ	U	U	UJ	U	U	UJ	U	U
delta BHC	100,000	UJ	U	U	U	U	U	UJ	U	U
gamma BHC (Lindane)	NA	UJ	U	U	UJ	U	U	U	U	U
alpha-Chlordane	91	19	4.5	U	77 J	6.7	U	4.2	1.3 J	0.51 J
gamma-Chlordane	NA	21	5.8	U	81 J	5.8	U	3.8 J	U	U
p,p'-DDD	2,600	14 J	5.8 J	U	270	19	U	U	U	U
p,p'-DDE	1,800	59	30	0.52 J	1500	140	1.1 J	13	3.9	2.4
p,p'-DDT	1,700	160	92	1.2 J	**3000**	230	1.2 J	82	13 J	19 J
aldrin	19	U	U	U	U	U	U	U	U	U
dieldrin	39	0.66 J	U	U	8.5	0.26 J	U	0.97 J	0.99 J	0.24 J
alpha endosulfan	NA	U	U	U	U	U	U	U	U	U
beta endosulfan	NA	U	U	U	U	U	U	U	U	U
endosulfan sulfate	4,800	U	U	U	U	U	U	U	U	U
endosulfan II	4,800	U	U	U	U	U	U	U	U	U
endrin	2200	U	U	U	U	U	U	U	U	U
endrin ketone	NA	U	U	U	4.1 J	U	U	U	U	U
endrin aldehyde	NA	U	U	U	U	U	U	U	U	U
heptachlor	420	1.4 J	0.55 J	U	1.4 J	U	U	U	U	U
heptachlor epoxide	NA	1.3 J	U	U	8.7 J	0.52 J	U	2 J	0.53 J	U
methoxychlor	NA	U	U	U	U	U	U	U	U	U
toxaphene	NA	U	U	U	U	U	U	U	UJ	U

Figures



Y:\GIS_Projects\Griffiss\Projects\1015-11-01\Mod_2\Building 301\Figure 1 - B301 Proposed Excavation.mxd

Appendix A
Soil Sampling Form and Daily Field Report

SOIL / SEDIMENT SAMPLING FORM

Project: _____ Sampled by: _____

Site and Site Code (**SITEID**): _____

Sampling Location ID. (**LOCID**): _____

Date (**LOGDATE**): _____ Time: _____

FIELD OBSERVATIONS:

Sample Depth or Interval	**Material Description/ Color**

Comments/Observations:

_____

_____

_____

_____

Sample Time: _____ Sample ID: _____

Daily Health and Safety Meeting Form

Date: _____ *Time :* _____

Location: FPM office (sample room)

Weather Conditions: _____

Meeting Type: Daily Health and Safety

Personnel Present:

_____

_____

Visitors Present: _____

Visitor Training: _____

PPE Required: Modified D

Possible risks, injuries, concerns:

_____

_____

_____

Anticipated Releases to Environment (if so, describe and detail response action/control measures implemented):

_____

_____

Property Damage:

_____

_____

Description (include sequence of events describing step by step how incident happened):

_____

_____

Analysis for, and Implementation of Corrective/Preventative Procedure to Prevent Future Occurrences (to be formulated by SSHO + FOM, approved by PM, and SSHO implemented):

_____

_____

_____

Report made by (Name): _____

SSHP Organization Title: Site Safety and Health Officer

DAILY FIELD REPORT FORMER GRIFFISS AFB, ROME, NEW YORK	FPM
DATE:	
SITE:	

Weather	AM	PM
Temperature (F)		
Wind Direction/Speed		
Precipitation		
Conditions (i.e. sun, clouds)		

FPM Personnel on-site:

Visitors:

Organization	Names

Equipment on Site

Deliveries	Quantity

DAILY FIELD REPORT FORMER GRIFFISS AFB, ROME, NEW YORK	FPM
DATE:	
SITE:	

Materials Shipped	Volume (Current Day)	Volume (total to date)	Disposal Facility/ Location
Soil (tons)			
C&D (tons)			
PPE/Waste (drum)			

* Waste shipment details presented on shipping log/bill of lading

Samples Collected for Analysis:

Media	Number of Locations	Sampling Method	Analysis
Soil			
Surface water			
Groundwater			

* Sampling tracking details presented on chain of custody

WORK ACTIVITIES CONDUCTED:

DAILY FIELD REPORT FORMER GRIFFISS AFB, ROME, NEW YORK	FPM
DATE:	
SITE:	

WORK ACTIVITIES CONDUCTED:

COMMENTS/QUESTIONS:

SAFETY ISSUES:

Report Completed by: _____