CompuChem

A Division Of

Liberty Analytical Corp.

8/22/2014

SMITA SUMBALY

WESTON SOLUTIONS

1090 KING GEORGES POST RD. SUITE 201

EDISON, NJ 088373703

Subject:

Report of Data - Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

WorkOrder: 1408028 PCB 8082A

Attn.: SMITA SUMBALY

Enclosed are the results of analytical work performed in accordance with the referenced account number. This report covers sample(s) appearing on the listing.

Thank you for selecting CompuChem for your sample analysis. If you should have questions or require additional analytical services, please contact your representative at 1-800-833-5097

Sincerely,

Compuchem

a division of Liberty Analytical Corporation

Attachment

TOTAL NUMBER

OF PAGES 231

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

325672

CompuChem, a division of Liberty Analytical

Client: WESTON SOLUTIONS **Work:** 1408028

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ **Sdg:** 1408028

Lab ID	Client ID	Matrix	Date Sampled	Date Received
1408028-01	P001-COMP02-LW-01	Soil	08/06/2014 00:00	08/12/2014 08:58
1408028-02	P001-DR0502-LW-01	Soil	08/06/2014 00:00	08/12/2014 08:58

ANALYSES DATA PACKAGE COVER PAGE

Client: WESTON SOLUTIONS

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Laboratory: COMPUCHEM

SDG: 1408028

Client Sample Id:	Analysis:	Lab Sample Id:
P001-COMP02-LW-01	8082A	1408028-01
P001-DR0502-LW-01	8082A	1408028-02

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions addressed in the narrative. Release of the data contained in this hardcopy data package and in the Electronic Data Deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Quentisha Forrester

Name: Quentisha Forrester

Date: 08/22/2014

Title: Chemist III

CompuChem
A Division Of
Liberty Analytical Corp.

501 Madison Avenue, Cary, NC 27513 Tel: 919-379-4100 Fax: 919-379-4050

ACCREDITED IN ACCORDANCE WITH nelac

I. SAMPLE DATA PACKAGE

GC by SW-846

The Sample Data Package shall contain data for all samples in one Work Order/Sample Delivery Group (SDG), as follows:

A. SDG Narrative

B. Chain of Custody Records

C. Sample Preparation and Analysis Holding Time Data
(HOLDING TIME SUMMARY)

D. Surrogate Recovery Results
(SURROGATE STANDARD RECOVERY AND RT SUMMARY)

E. Laboratory Control Sample Results
(LCS/LCS DUPLICATE RECOVERY)

F. Matrix Spike Results
(MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY)

G. Batch Summary
(PREPARATION BATCH SUMMARY)

H. Analysis Sequence Summary
(ANALYSIS SEQUENCE SUMMARY)

I. Target Compound Results – Forms and Raw Data
(ANALYSIS DATA SHEET)

J. Initial Calibration and Second Source Calibration Verification Forms and Raw Data
(INITIAL CALIBRATION DATA) (SECOND-SOURCE CALIBRATION VERIFICATION)

K. Continuing Calibration Data – Forms and Raw Data
(CONTINUING CALIBRATION CHECK)

L. Identification Summary Analytes
(IDENTIFICATION SUMMARY FOR ANALYTES)

M. Blank Data – Forms and Raw Data
(ANALYSIS DATA SHEET)

N. Laboratory Control Sample Data – Forms and Raw Data
(ANALYSIS DATA SHEET)

O. Matrix Spike Data – Forms and Raw Data
(ANALYSIS DATA SHEET)

P. Run Logs / Prep Sheets / Internal CoC Documents / Standard Info / Manual Integration Summary

A. SDG Narrative

CompuChem
A division of Liberty Analytical Corporation
501 Madison Avenue
Cary, N.C. 27513
Tel: 919/379-4100 Fax: 919/379-4050

SDG NARRATIVE
SDG # 1408028
PROTOCOL: SW-846

SAMPLE IDENTIFICATIONS: P001-COMP02-LW-01 P001-DR0502-LW-01

The 2 soil samples listed above were received intact, ambient at 24.5°C, with proper documentation, in sealed shipping containers, on August 12, 2014. The samples were scheduled for the requested analysis of the PCB fraction. The requested SW-846, 3rd Edition, Update 4, Method 8082A was used to prepare and analyze the samples, with the exceptions and/or additions requested by the client. All pertinent Quality Assurance notices are included in the narrative section and all pertinent Laboratory notices are included in the sample data sections.

PCBs

Extraction and analysis holding time requirements were met for the samples. Samples were prepped by diluting 1.0g of sample to 5 mL in hexane, and then analyzed by 8082A method. Sulfur cleanup was performed on the samples with a Sulfur cleanup Blank.

No Aroclor target analytes were confirmed above the reporting limits in these samples. P001-COMP02-LW-01 was initially analyzed at a dilution due to the sample matrix.

All QC criteria were met for all initial, second-source and continuing calibration standards associated to this SDG.

Manual integrations were performed on any of the process files associated with this SDG. Please see the detailed Manual Integration Summary report that is located in section P. The reasons have been coded with explanations provided in the notice included in the narrative section of the SDG.

All of the surrogate recoveries were within the control limits with the following exceptions. Tetrachloro-m-Xylene was outside of recovery limits in the analyses of P001-DR0502-LW-01 due to samples matrix. We are reporting the data from the analysis of P001-DR0502-LW-01.

The method blank associated with the samples met all quality control criteria.

Duplicate matrix spikes were not requested with this SDG.
The Laboratory Control Samples (LCS/LCSD) prepared and analyzed with the samples met quality control criteria.

An uncertainty of these test results may be estimated from the recovery of the surrogates added to the sample prior to sample preparation or from the recovery of spiked compound(s) in the associated laboratory control sample. Further information is available upon request.

I certify that the tests used in this report meet all requirements of the NELAC standards unless otherwise stated in the SDG narrative or QA notice. I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on CD has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Quentisha Forrester
Chemist III
August 22, 2014

GC and GC/MS Column and Trap Specifications Table

COLUMNS

Columns Utilized	Brand Name	Coating Material	ID (mm)	Film Thickness (um)	Length (m)
	GC Laboratory				
DRO/ORO	Restek	RTX-5	0.53	1.0	30
	Restek	RTX-SMS	0.53	1.0	30
√	Restek	clpest	0.32	0.5	30
√	Restek	clpest2	0.32	0.42	30
	J&W	DB-210	0.53	1.0	30
RSK	J&W	GS-GASPRO	0.32	N/A	30
	GC Volatiles Laboratory				
GRO	Restek	RTX-Volatiles	0.53	2.0	30
	GC/MS Volatiles Laboratory				
	Restek	RTX-VMS	0.18	1.0	20
√	Supelco	SPB-624	0.32	1.8	60
	Supelco	SPB-624	0.53	3.0	75
	Phenomonex	ZB-624	0.32	1.8	60
	GC/MS Semivolatiles Laboratory				
√	Restek	RTX-5Sil MS	0.32	0.25	30
	HPLC Laboratory				
PAH	Supelco	Supelcosil LC-PAH	4.6	5.0	15 cm
PAH	Supelco	Discovery RP Amide C16	4.6	5.0	25 cm
EXP	Restek	Pinnacle Cyano	4.6	5.0	25 cm
EXP	Restek	Allure C18	4.6	5.0	25 cm

TRAPS

	GC and GC/MS Volatiles Laboratory	
	Supelco J (BETXTRAP™)	* 7.7 cm Carbopack C
		* 1.2 cm Carbopack B
√	Supelco K (Vocarb3000)	* 10 cm of Carbopack B (Graphitized Carbons)
		* 6 cm of Carboxen 1000 (Carbon molecular sieves)
		* 1 cm of Carboxen 1001 (Carbon molecular sieves)

Rev. 30

This table contains the GC columns (and volatile organic trap) used for the analysis of volatiles, semivolatiles, pesticides, and Aroclors by the requested analytical methods. Please see the SDG Narrative(s) for the specific fraction(s) relative to this SDG.
Note: This table also contains HPLC columns.

CompuChem

A division of Liberty Analytical Corporation

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.). This policy is also applicable to non-CLP data packages.

CompuChem

A division of Liberty Analytical Corporation

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC/HPLC chemists. An Extracted Ion Current Profile (EICP) or a GC/HPLC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC/HPLC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak. The most common reasons for performing manual integrations/editing are: the compound was not found by the automatic integration routine, the compound was incorrectly integrated by the automatic integration routine, and the co-eluting compounds were incorrectly integrated by the automatic integration routine.

H - Denotes that the data reviewer, GC/MS operator, or GC/HPLC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate GC/MS library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

These codes will appear in the GC/MS and GC/HPLC raw data.

Revision 8 (01/29/2011)

CompuChem

A division of Liberty Analytical Corporation

CompuChem's Pagination Convention

As required by the EPA CLP Statement of Work (SOW) documents, data to be delivered must be paginated (by machine or hand). In the event that the initial numbering is incorrect (a page numbered twice or a page skipped, for example), it is CompuChem's policy to add an alphabetic suffix to a page number when necessary (e.g., 100A, 100B, etc.). This policy is also applicable to non-CLP data packages.

Notification Regarding Manual Editing/Integration Flags

In some instances, manual adjustments to the software output are necessary to provide accurate data. These manual integrations are performed by the data reviewers, GC/MS operators, or GC/HPLC chemists. An Extracted Ion Current Profile (EICP) or a GC/HPLC chromatographic peak has been provided for the manual integration performed on each compound to demonstrate the accuracy of that process. The manual integrations are flagged on the quantitation report in the far right column beyond the FINAL concentration for GC/MS analysis, and in the "Flags" column for GC/HPLC analysis. The manual editing/integration flags are:

M - Denotes that a manual integration has been performed for this compound. The manual integration was performed in order to provide the most accurate area count possible for the peak. The most common reasons for performing manual integrations/editing are: the compound was not found by the automatic integration routine, the compound was incorrectly integrated by the automatic integration routine, and the co-eluting compounds were incorrectly integrated by the automatic integration routine.

H - Denotes that the data reviewer, GC/MS operator, or GC/HPLC Chemist has chosen an alternate peak within the retention time window from that chosen by the software for that compound. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

MH - Denotes that an alternate peak has been chosen within the retention time window from that chosen by the software for that compound and also a manual integration of the chosen peak has been performed. The manual integration was performed in order to provide the most accurate area count possible for the peak.

L - Denotes that a data reviewer or GC/MS operator has selected an alternate library search. This is typically done when an additional tentatively identified compound (TIC) has been added to the number of peaks searched. No manual integration is performed in choosing an alternate peak. The software still performs the integration.

ML - Denotes that an alternate GC/MS library search has been selected and a manual integration has also been performed. This is typically done when an additional TIC has been added and the TIC peak also required a manual integration.

These codes will appear in the GC/MS and GC/HPLC raw data.

Revision 8 (01/29/2011)

ORGANIC DATA REPORTING QUALIFIERS

On the appropriate reporting form, under the column labeled "Q" for qualifier, each result is flagged with the specific data reporting qualifiers listed below, as appropriate. Up to five qualifiers may be reported on the appropriate reporting form for each compound. The qualifiers used are:

U : This flag indicates the compound was analyzed for but not detected. The Contract Required Quantitation Limit (CRQL), or reporting limit, will be adjusted to reflect any dilution and, for soils, the percent moisture.

J : This flag indicates an estimated value. The flag is used as detailed below:

1. When estimating a concentration for tentatively identified compounds (TICs) where a response factor of 1:1 is assumed for the TIC analyte,

2. When the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero, and

3. When the retention time data indicate the presence of a compound that meets the pesticide and/or Aroclor or other GC or HPLC identification criteria, and the result is less than the adjusted CRQL (or Reporting Limit) but greater than zero. For example, if the CRQL (or Reporting Limit) is 10 µg/L, but a concentration of 3 µg/L is calculated, it is reported as 3J.

N : This flag indicates presumptive evidence of a compound. This flag is only used for TICs, where the identification is based on a mass spectral library search and must be used with the J flag. For generic characterization of a TIC such as "chlorinated hydrocarbon" (or for an "unknown," with no matches ≥ 85%), the N flag is not used.

P : In the EPA's Contract Laboratory Program (CLP), this flag is used for a pesticide/Aroclor target analyte, when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a P.
For SW-846 GC and HPLC analyses, when the Relative Percent Difference (RPD) is greater than 40% and there is no evidence of chromatographic anomalies or interferences, then the lower of the two values is reported and flagged with a P on the reporting form. When the RPD is equal to or less than 40%, our policy is to also report the lower of the two values, although the choice could be a project specific issue. These SW-846 policies are consistent with Method 8000C. If Method 8000B is required, the higher of the two values is reported. For certain HPLC analyses, if one of the HPLC columns displays co-elution of target analytes, all results are reported from a primary column displaying no co-elution. Results are still flagged with a P if the RPD between columns is greater than 40%.

C : This flag applies to GC or HPLC results where the identification has been confirmed by GC/MS. If GC/MS confirmation was attempted but was unsuccessful, this flag is not applied; a laboratory-defined flag is used instead (see the X/Y/Z qualifier.)

DATA REPORTING QUALIFIERS (continued)

B : This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates probable blank contamination and warns the data user to take appropriate action. This flag is used for a TIC as well as for a positively identified target compound. The combination of flags BU or UB is not an allowable policy. Blank contaminants are flagged B only when they are detected in the sample.

E : This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis. If one or more compounds have a concentration greater than the upper level of the calibration range, the sample or extract will be diluted and reanalyzed. All such compounds with a concentration greater than the upper level of the calibration range will have the result flagged with an E on the appropriate reporting form for the original analysis.

D : If a sample or extract is reanalyzed at a higher dilution factor, for example when the concentration of an analyte exceeds the upper calibration range, the DL suffix is appended to the sample number on the appropriate reporting form for the more diluted sample, and **all** reported concentrations on that form are flagged with the D flag. This flag alerts data users that any discrepancies between the reported concentrations may be due to dilution of the sample or extract.

NOTE 1: The D flag is not applied to compounds which are not detected in the sample analysis i.e. compounds reported with the CRQL (or Reporting Limit) and the U flag.

NOTE 2: Separate reporting forms are used for reporting the original analysis (Client Sample No. XXXXX) and the more diluted sample analysis (Client Sample No. XXXXXDL) i.e. the results from both analyses <u>are not combined</u> on a single reporting form.

A: This flag indicates that a TIC is a suspected aldol-condensation product.

S: In the SOM01.2 SOW document, this flag is used to indicate an estimated value for Aroclor target compounds where a valid 5-point initial calibration was not performed prior to the analytes detection in a sample. If an "S" flag is used for a specific Aroclor, then a reanalysis of the sample is required after a valid 5-point calibration is performed for the detected Aroclor. The "S" flag is not utilized for non CLP analyses.

* This flag is applied to a target analyte when any QC acceptance criterion has not been met for that analyte. The flag appears on the reporting form of the associated QC analysis.

X/Y/Z : Other specific flags may be required to properly define the results. If used, the flags will be fully described in the SDG Narrative. The laboratory-defined flags are limited to X, Y, and Z.

B. Chain of Custody Records

The laboratory shall include a copy of the Chain-of-Custody (CoC) documentation for all of the samples in the Work Order/SDG.

USEPA
DateShipped: 8/6/2014
CarrierName: FedEx
AirbillNo: 502978208656

CHAIN OF CUSTODY RECORD
Case #: 306
Contact Name: Peter Lisichenko
Contact Phone: 6035124350

No: 2-080614-131105-0004
Cooler #: 2A
Lab: Compuchem Labs Inc.
Lab Phone: 919-379-4089

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	Lab QC
1408028-01	P001-COMP02-LW-01	Area03	VOCs	Liquid Waste	8/6/2014	1	4 oz	None	N
	P001-COMP02-LW-01	Area03	SVOC+PCB+PEST	Liquid Waste	8/6/2014	1	8 oz	None	N
	P001-COMP02-LW-01	Area03	RCRA	Liquid Waste	8/6/2014	1	8 oz	None	N
	P001-COMP02-LW-01	Area03	METALS+Hg	Liquid Waste	8/6/2014	1	500 ml	None	N
1408028-02	P001-DR0502-LW-01	Area05	VOCs	Liquid Waste	8/6/2014	1	4 oz	None	N
	P001-DR0502-LW-01	Area05	SVOC+PCB+PEST	Liquid Waste	8/6/2014	1	8 oz	None	N
	P001-DR0502-LW-01	Area05	RCRA	Liquid Waste	8/6/2014	1	8 oz	None	N
	P001-DR0502-LW-01	Area05	METALS+Hg	Liquid Waste	8/6/2014	1	500 ml	None	N

Special Instructions: RFP 306
Analyze upper phase of liquids

rec'd @ 24.5°C
(ambient in cor)

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
ALL SAMPLES ALL ANALYSIS	(WESTON)	8/6/14	Day / Compuchem	8/12/14 0888	good condition 8/12/14

Precautionary Measures Against Hidden Hazards in Laboratory Samples

Notice to Laboratory Personnel

Background

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA or Superfund) of 1980, as amended, Section 311 of the Clean Water Act (CWA), as amended, by the Oil Pollution Act of 1990 (OPA), Subtitle I of the Resource Conversation and Recovery Act (RCRA), and pursuant to the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) and Presidential Decision Document (PDD) #39, the Environmental Protection Agency (EPA) has been delegated the responsibility to undertake response actions with respect to, as a general matter, the release or threat of release of oil, petroleum products, hazardous substances, or pollutant and contaminants, that pose an actual or potential threat to human health or welfare, or to the environment. EPA is responsible for conducting evaluations and cleanups of uncontrolled hazardous substance disposal sites and placing those that are considered to pose a significant threat to the public health or the environment on the National Priorities List (NPL).

EPA's successful implementation of these emergency response action responsibilities requires that technical support capabilities be provided in the form of a contracted Removal Support Team (RST) for EPA. The WESTON RST Contract EP-W-06-072, provides this support to EPA Region II.

Hazard Communication

The samples which accompany this notice were shipped to your laboratory for analysis in accordance with applicable D.O.T. or IATA Regulations and were collected by the WESTON RST and tentatively designated by the field response team, as either environmental or hazardous material samples.

In general, *Environmental Samples* are collected from streams, farm ponds, small lakes, wells, and off-site soil locations that are not reasonable expected to be contaminated with hazardous materials. Samples of on-site soils or water, and materials collected from drums, bulk storage tanks, obviously contaminated ponds, impoundments, lagoons, pools, and leachates from hazardous waste sites are considered *Hazardous Samples*. Samples which are obtained from a known radioactive material contamination site or which demonstrate beta or gamma activity greater than three times average background as scanned with a radiation survey meter are considered *Radioactive Samples*.

The samples which accompany this notice were tentatively classified by the field response team as:

_____ Environmental ___XXX___ Hazardous _____ Comb. (Enviro. & Hazard.) _____ Radioactive

The field team which collected the samples, used the following Level(s) of personal protection as designated by EPA and OSHA conventions to provide protection against possible radiological or chemical exposure:

_____ Level A ___XXX___ Level B _____ Level C _____ Level D

The information is intended for use as a guide for the safe handling of these laboratory samples in accordance with EPA and OSHA regulations. The Sample classification(s) and Levels of personal protection used by the WESTON RST are not represented to be, nor are they adequate or applicable in all situations, nor are they intended to serve as substitutes for professional/personal judgment.

Laboratory Name CompuChem *RFP No.* 306
Prepared by: Lisichenko, P *Date* 8/6/2014

WESTON Office: Region II RST, Edison, NJ; Phone: 732-585-4400 Fax: 732-225-7037

POTENTIAL HAZARDS

FIRE OR EXPLOSION

- These substances will accelerate burning when involved in a fire.
- Some may decompose explosively when heated or involved in a fire.
- May explode from heat or contamination.
- Some will react explosively with hydrocarbons (fuels).
- May ignite combustibles (wood, paper, oil, clothing, etc.).
- Containers may explode when heated.
- Runoff may create fire or explosion hazard.

HEALTH

- Inhalation, ingestion or contact (skin, eyes) with vapors or substance may cause severe injury, burns or death.
- Fire may produce irritating, corrosive and/or toxic gases.
- Runoff from fire control or dilution water may cause pollution.

PUBLIC SAFETY

- **CALL EMERGENCY RESPONSE Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.**
- As an immediate precautionary measure, isolate spill or leak area in all directions for at least 50 meters (150 feet) for liquids and at least 25 meters (75 feet) for solids.
- Keep unauthorized personnel away.
- Stay upwind.
- Keep out of low areas.
- Ventilate closed spaces before entering.

PROTECTIVE CLOTHING

- Wear positive pressure self-contained breathing apparatus (SCBA).
- Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.
- Structural firefighters' protective clothing will only provide limited protection.

EVACUATION

Large Spill

- Consider initial downwind evacuation for at least 100 meters (330 feet).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

EMERGENCY RESPONSE

FIRE

Small Fire

- Use water. Do not use dry chemicals or foams. CO_2 or Halon® may provide limited control.

Large Fire

- Flood fire area with water from a distance.
- Do not move cargo or vehicle if cargo has been exposed to heat.
- Move containers from fire area if you can do it without risk.

Fire Involving Tanks or Car/Trailer Loads

- Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

SPILL OR LEAK

- Keep combustibles (wood, paper, oil, etc.) away from spilled material.
- Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- Stop leak if you can do it without risk.
- Do not get water inside containers.

Small Dry Spill

- With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

Small Liquid Spill

- Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal.

Large Spill

- Dike far ahead of liquid spill for later disposal.
- Following product recovery, flush area with water.

FIRST AID

- Move victim to fresh air.
- Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- Contaminated clothing may be a fire risk when dry.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Keep victim warm and quiet.
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

WORK ORDER

Printed: 8/14/2014 11:38:19AM

1408028

COMPUCHEM

Client:	**WESTON SOLUTIONS**	**Project Manager:**	**Cathy Dover**
Project:	**RST2/RFP306/EP-S2-14-01/SITE ID:ZZ**	**Project Number:**	**RST2/RFP306/EP-S2-14-01/SITE ID:ZZ**
SDG:	**1408028** **CASE:**	**Status:**	**Batched**

Report To:
WESTON SOLUTIONS
SMITA SUMBALY
1090 KING GEORGES POST RD. SUITE 201
EDISON, NJ 088373703
Phone: (732) 225-6116
Fax: -

Invoice To:
WESTON SOLUTIONS
SMITA SUMBALY
1090 KING GEORGES POST RD. SUITE 201
EDISON, NJ 088373703
Phone :(732) 225-6116
Fax: -

Date Due:	08/25/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	08/12/2014 08:58
Logged In By:	Cathy Dover	Date Logged In:	08/12/2014 12:56

J & B Flags?: **YES** Metals ND to? **MDL**	TICS?: **EPA-TICS** Spike Level: **FULL Spike**	Deliverable: **Level 4**	EDD : **61) CUSTOM EXCEL**

LCS/LCSD*CAUTION WASTE DRUM SAMPLES*NOTE SAMPLE COMMENTS FOR INST(MSDS ATTACHED)*NO DRY WEIGHTS*TCL4 VOA 5PPB+EPA-LIKE TICs(MAY NEED MED.LEVEL)*SVOC 8270D TCL4+EPA-LIKE TICs,TCL PEST8081B & TCL PCB8082A ARE ALL DILUTE-N-SHOOT*TAL METALS 6010C+Hg 7471B*RIC

Analysis	Due	TAT	Expires	Received	Comments
1408028-01 P001-COMP02-LW-01 [Soil] Sampled 08/06/2014 00:00 Eastern					**USE ONLY UPPER PHASE OF SAMPLE**
VOA-8260B 5PPB	08/25/2014 16:00	13	08/20/2014 00:00	08/12/2014 08:58	SubList=VOA- TCL4 (08-08-14)
7470A 7471B Mercury	08/25/2014 16:00	13	09/03/2014 00:00	08/12/2014 08:58	
CORROSIVITY 9040B-9040C	08/25/2014 16:00	13	08/18/2014 00:00	08/12/2014 08:58	
GC-8081B PEST Dilute-n-Shoot	08/25/2014 16:00	13	08/20/2014 00:00	08/12/2014 08:58	SubList=GC- 8081 TCLnoPCB (08-08-14)
GC-8082A PCB DILUTE-N-SHOOT	08/25/2014 16:00	13	08/20/2014 00:00	08/12/2014 08:58	SubList=GC- 8082 8082 (08-08-14)
IGNITABILITY 1010A	08/25/2014 16:00	13	09/03/2014 00:00	08/12/2014 08:58	
REACTIVE CYANIDE 9014	08/25/2014 16:00	13	08/20/2014 00:00	08/12/2014 08:58	
REACTIVE SULFIDE 9034	08/25/2014 16:00	13	08/20/2014 00:00	08/12/2014 08:58	
Solids, Dry Weight	08/25/2014 16:00	13	02/02/2015 00:00	08/12/2014 08:58	
6010C METALS	08/25/2014 16:00	13	02/02/2015 00:00	08/12/2014 08:58	
SVOC 8270D Dilute-n-shoot	08/25/2014 16:00	13	08/20/2014 00:00	08/12/2014 08:58	SubList=SV- TCL4 (08-08-14)

WORK ORDER

Printed: 8/14/2014 11:38:19AM

1408028

COMPUCHEM

Client:	**WESTON SOLUTIONS**	**Project Manager:**	**Cathy Dover**
Project:	**RST2/RFP306/EP-S2-14-01/SITE ID:ZZ**	**Project Number:**	**RST2/RFP306/EP-S2-14-01/SITE ID:ZZ**
SDG:	**1408028** **CASE:**	**Status:**	**Received**

Date Due:	08/25/2014 00:00 (13 day TAT)		
Received By:	Cathy Dover	Date Received:	08/12/2014 08:58
Logged In By:	Cathy Dover	Date Logged In:	08/12/2014 12:56

J & B Flags?: **YES** Metals ND to? **MDL**	TICS?: **EPA-TICS** Spike Level: **FULL Spike**	Deliverable: **Level 4**	EDD : **61) CUSTOM EXCEL**

LCS/LCSD*CAUTION WASTE DRUM SAMPLES*NOTE SAMPLE COMMENTS FOR INST(MSDS ATTACHED)*NO DRY WEIGHTS*TCL4 VOA 5PPB+EPA-LIKE TICs(MAY NEED MED.LEVEL)*SVOC 8270D TCL4+EPA-LIKE TICs,TCL PEST8081B & TCL PCB8082A ARE ALL DILUTE-N-SHOOT*TAL METALS 6010C+Hg 7471B*RIC

Analysis	Due	TAT	Expires	Received	Comments
1408028-02 P001-DR0502-LW-01 [Soil] Sampled 08/06/2014 00:00 Eastern					**USE ONLY UPPER PHASE OF SAMPLE**
7470A 7471B Mercury	08/25/2014 16:00	13	09/03/2014 00:00	08/12/2014 08:58	
6010C METALS	08/25/2014 16:00	13	02/02/2015 00:00	08/12/2014 08:58	
CORROSIVITY 9040B-9040C	08/25/2014 16:00	13	08/18/2014 00:00	08/12/2014 08:58	
GC-8081B PEST Dilute-n-Shoot	08/25/2014 16:00	13	08/20/2014 00:00	08/12/2014 08:58	SubList=GC- 8081 TCLnoPCB (08-08-14)
GC-8082A PCB DILUTE-N-SHOOT	08/25/2014 16:00	13	08/20/2014 00:00	08/12/2014 08:58	SubList=GC- 8082 8082 (08-08-14)
IGNITABILITY 1010A	08/25/2014 16:00	13	09/03/2014 00:00	08/12/2014 08:58	
REACTIVE CYANIDE 9014	08/25/2014 16:00	13	08/20/2014 00:00	08/12/2014 08:58	
REACTIVE SULFIDE 9034	08/25/2014 16:00	13	08/20/2014 00:00	08/12/2014 08:58	
Solids, Dry Weight	08/25/2014 16:00	13	02/02/2015 00:00	08/12/2014 08:58	
SVOC 8270D Dilute-n-shoot	08/25/2014 16:00	13	08/20/2014 00:00	08/12/2014 08:58	SubList=SV- TCL4 (08-08-14)
VOA-8260B 5PPB	08/25/2014 16:00	13	08/20/2014 00:00	08/12/2014 08:58	SubList=VOA- TCL4 (08-08-14)

C. Sample Preparation and Analysis Holding Time Data

(HOLDING TIME SUMMARY)

Sample collection, receipt, preparation and analysis dates with method holding time requirements.

HOLDING TIME SUMMARY

8082A

Client: WESTON SOLUTIONS SDG: 1408028

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
P001-COMP02-LW-01	08/06/14	08/12/14	08/13/14	8	14	08/15/14	1.7	40	
P001-DR0502-LW-01	08/06/14	08/12/14	08/13/14	8	14	08/15/14	1.7	40	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

D. Surrogate Recovery Results

(SURROGATE STANDARD RECOVERY AND RT SUMMARY)

SURROGATE STANDARD RECOVERY

8082A

Client: WESTON SOLUTIONS

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

SDG: 1408028 Instrument: agilent90

Sequence: 4H14007 Calibration: 4081501

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	Q
Blank (4081307-BLK1) ug/kg				
Lab File ID: 036e4081307-BLK1.d	Analyzed: 08/15/14 05:32			
DCB (A)	300.0	100	43 - 144	
DCB (A) [2C]	300.0	98	43 - 144	
TCX (A)	150.0	97	43 - 135	
TCX (A) [2C]	150.0	98	43 - 135	
Cleanup Blank (C408048-CBL1) ng/uL				
Lab File ID: 037eC408048-CBL1.d	Analyzed: 08/15/14 06:02			
DCB (A)	2.000	122	43 - 144	
DCB (A) [2C]	2.000	94	43 - 144	
TCX (A)	1.000	114	43 - 135	
TCX (A) [2C]	1.000	102	43 - 135	
LCS (4081307-BS1) ug/kg				
Lab File ID: 038e4081307-BS1.d	Analyzed: 08/15/14 06:33			
DCB (A)	300.0	99	43 - 144	
DCB (A) [2C]	300.0	100	43 - 144	
TCX (A)	150.0	97	43 - 135	
TCX (A) [2C]	150.0	98	43 - 135	
LCS Dup (4081307-BSD1) ug/kg				
Lab File ID: 039e4081307-BSD1.d	Analyzed: 08/15/14 07:03			
DCB (A)	300.0	92	43 - 144	
DCB (A) [2C]	300.0	93	43 - 144	
TCX (A)	150.0	98	43 - 135	
TCX (A) [2C]	150.0	99	43 - 135	
P001-COMP02-LW-01 (1408028-01) ug/kg				
Lab File ID: 040e1408028-01.d	Analyzed: 08/15/14 07:33			
DCB (A)	300.0	102	43 - 144	
DCB (A) [2C]	300.0	95	43 - 144	
TCX (A)	150.0	65	43 - 135	
TCX (A) [2C]	150.0	75	43 - 135	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

SURROGATE STANDARD RECOVERY

8082A

Client: WESTON SOLUTIONS

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

SDG: 1408028 Instrument: agilent90

Sequence: 4H14007 Calibration: 4081501

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	Q
P001-DR0502-LW-01 (1408028-02) ug/kg				
Lab File ID: 041e1408028-02.d	Analyzed: 08/15/14 08:04			
DCB (A)	300.0	106	43 - 144	
DCB (A) [2C]	300.0	104	43 - 144	
TCX (A)	150.0		43 - 135	*
TCX (A) [2C]	150.0		43 - 135	*

CompuChem
A Division Of
Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH
nelac

RT Summary

RT SUMMARY

8082A

Client: WESTON SOLUTIONS

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

SDG: 1408028 Instrument: agilent90

Sequence: 4H14007 Calibration: 4081501

Surrogate Compound	RT	CCV RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (4H14007-ICV1) ng/uL Lab File ID: 016e4H14007-ICV Analyzed: 08/14/14 19:24					
DCB (A)	21.108	21.108	0	+/-0.070	
DCB (A) [2C]	21.898	21.898	0	+/-0.070	
TCX (A)	8.425	8.425	0	+/-0.070	
TCX (A) [2C]	8.363	8.363	0	+/-0.070	
Blank (4081307-BLK1) ug/kg Lab File ID: 036e4081307-BLK Analyzed: 08/15/14 05:32					
DCB (A)	21.11	21.108	0.0020	+/-0.070	
DCB (A) [2C]	21.9	21.9	0.0000	+/-0.070	
TCX (A)	8.428	8.428	0.0000	+/-0.070	
TCX (A) [2C]	8.367	8.367	0.0000	+/-0.070	
Cleanup Blank (C408048-CBL1) ng/uL Lab File ID: 037eC408048-CBL Analyzed: 08/15/14 06:02					
DCB (A)	21.112	21.108	0.0040	+/-0.070	
DCB (A) [2C]	21.9	21.9	0.0000	+/-0.070	
TCX (A)	8.43	8.428	0.0020	+/-0.070	
TCX (A) [2C]	8.367	8.367	0.0000	+/-0.070	
LCS (4081307-BS1) ug/kg Lab File ID: 038e4081307-BS1 Analyzed: 08/15/14 06:33					
DCB (A)	21.107	21.108	-0.0010	+/-0.070	
DCB (A) [2C]	21.897	21.9	-0.0030	+/-0.070	
TCX (A)	8.425	8.428	-0.0030	+/-0.070	
TCX (A) [2C]	8.363	8.367	-0.0040	+/-0.070	

CompuChem
A Division Of
Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

RT SUMMARY

8082A

Client: WESTON SOLUTIONS

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

SDG: 1408028 Instrument: agilent90

Sequence: 4H14007 Calibration: 4081501

Surrogate Compound	RT	CCV RT	RT Diff	RT Diff Limit	Q
LCS Dup (4081307-BSD1) ug/kg Lab File ID: 039e4081307-BSD Analyzed: 08/15/14 07:03					
DCB (A)	21.11	21.108	0.0020	+/-0.070	
DCB (A) [2C]	21.902	21.9	0.0020	+/-0.070	
TCX (A)	8.428	8.428	0.0000	+/-0.070	
TCX (A) [2C]	8.368	8.367	0.0010	+/-0.070	
P001-COMP02-LW-01 (1408028-01) ug/kg Lab File ID: 040e1408028-01.d Analyzed: 08/15/14 07:33					
DCB (A)	21.148	21.108	0.0400	+/-0.070	
DCB (A) [2C]	21.938	21.9	0.0380	+/-0.070	
TCX (A)	8.432	8.428	0.0040	+/-0.070	
TCX (A) [2C]	8.372	8.367	0.0050	+/-0.070	
P001-DR0502-LW-01 (1408028-02) ug/kg Lab File ID: 041e1408028-02.d Analyzed: 08/15/14 08:04					
DCB (A)	21.135	21.108	0.0270	+/-0.070	
DCB (A) [2C]	21.918	21.9	0.0180	+/-0.070	
TCX (A)		8.428	-8.4280	+/-0.070	*
TCX (A) [2C]		8.367	-8.3670	+/-0.070	*

CompuChem
A Division Of
Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

E. Laboratory Control Sample Results

(LCS/LCS DUPLICATE RECOVERY)

LCS recovery or LCS/LCSD recovery with relative percent difference, and quality control acceptance criteria.

LCS / LCS DUPLICATE SUMMARY

8082A

Client: WESTON SOLUTIONS SDG: 1408028 Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Lab ID: 4081307-BS1 Matrix: Soil Client ID: ALCSCA Batch: 4081307

ANALYTE	SPIKE ADDED (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC.	Q	QC LIMITS REC.
Aroclor-1016	2500	2455	98		50 - 150
Aroclor-1016 (1)	2500	2470	99		0 - 200
Aroclor-1016 (2)	2500	2421	97		0 - 200
Aroclor-1016 (3)	2500	2443	98		0 - 200
Aroclor-1016 (4)	2500	2523	101		0 - 200
Aroclor-1016 (5)	2500	2419	97		0 - 200
Aroclor-1016 [2C]	2500	2505	100		50 - 150
Aroclor-1016 (1) [2C]	2500	2441	98		0 - 200
Aroclor-1016 (2) [2C]	2500	2521	101		0 - 200
Aroclor-1016 (3) [2C]	2500	2541	102		0 - 200
Aroclor-1016 (4) [2C]	2500	2589	104		0 - 200
Aroclor-1016 (5) [2C]	2500	2436	97		0 - 200
Aroclor-1260	2500	2488	100		50 - 150
Aroclor-1260 (1)	2500	2359	94		0 - 200
Aroclor-1260 (2)	2500	2386	95		0 - 200
Aroclor-1260 (3)	2500	2499	100		0 - 200
Aroclor-1260 (4)	2500	2636	105		0 - 200
Aroclor-1260 (5)	2500	2560	102		0 - 200
Aroclor-1260 [2C]	2500	2350	94		50 - 150
Aroclor-1260 (1) [2C]	2500	2219	89		0 - 200
Aroclor-1260 (2) [2C]	2500	2329	93		0 - 200
Aroclor-1260 (3) [2C]	2500	2349	94		0 - 200
Aroclor-1260 (4) [2C]	2500	2353	94		0 - 200
Aroclor-1260 (5) [2C]	2500	2499	100		0 - 200

Environmental Testing Laboratories
CompuChem
A Division Of
Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH
nelac

LCS / LCS DUPLICATE SUMMARY

8082A

Client: WESTON SOLUTIONS SDG: 1408028 Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Lab ID: 4081307-BSD1 Matrix: Soil Client ID: ALCSDCA Batch: 4081307

ANALYTE	SPIKE ADDED (ug/kg)	LCSD CONCENTRATION (ug/kg)	LCSD % REC. #	% RPD #	QC LIMITS		
					RPD	Q	REC.
Aroclor-1016	2500	2464	99	0.4	20		50 - 150
Aroclor-1016 (1)	2500	2485	99	0.6	200		0 - 200
Aroclor-1016 (2)	2500	2415	97	0.3	200		0 - 200
Aroclor-1016 (3)	2500	2481	99	2	200		0 - 200
Aroclor-1016 (4)	2500	2517	101	0.2	200		0 - 200
Aroclor-1016 (5)	2500	2424	97	0.2	200		0 - 200
Aroclor-1016 [2C]	2500	2490	100	0.6	20		50 - 150
Aroclor-1016 (1) [2C]	2500	2418	97	0.9	200		0 - 200
Aroclor-1016 (2) [2C]	2500	2497	100	0.9	200		0 - 200
Aroclor-1016 (3) [2C]	2500	2535	101	0.2	200		0 - 200
Aroclor-1016 (4) [2C]	2500	2580	103	0.4	200		0 - 200
Aroclor-1016 (5) [2C]	2500	2422	97	0.6	200		0 - 200
Aroclor-1260	2500	2349	94	6	20		50 - 150
Aroclor-1260 (1)	2500	2273	91	4	200		0 - 200
Aroclor-1260 (2)	2500	2287	91	4	200		0 - 200
Aroclor-1260 (3)	2500	2346	94	6	200		0 - 200
Aroclor-1260 (4)	2500	2456	98	7	200		0 - 200
Aroclor-1260 (5)	2500	2383	95	7	200		0 - 200
Aroclor-1260 [2C]	2500	2250	90	4	20		50 - 150
Aroclor-1260 (1) [2C]	2500	2173	87	2	200		0 - 200
Aroclor-1260 (2) [2C]	2500	2253	90	3	200		0 - 200
Aroclor-1260 (3) [2C]	2500	2231	89	5	200		0 - 200
Aroclor-1260 (4) [2C]	2500	2256	90	4	200		0 - 200
Aroclor-1260 (5) [2C]	2500	2339	94	7	200		0 - 200

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

G. Batch Summary

(PREPARATION BATCH SUMMARY)

Client Sample IDs, cross-referenced with Lab Sample IDs, with sample preparation details.

PREPARATION BATCH SUMMARY

8082A

Client: WESTON SOLUTIONS SDG: 1408028 Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Batch: 4081307 Matrix: Soil Preparation: EPA 3550B_GC

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (g)	FINAL VOL/WT (uL)
P001-COMP02-LW-01	1408028-01	08/13/14 14:18	1.00	5000
P001-DR0502-LW-01	1408028-02	08/13/14 14:18	1.00	5000
ABLKCA	4081307-BLK1	08/13/14 14:18	1.00	5000
ALCSCA	4081307-BS1	08/13/14 14:18	1.00	5000
ALCSDCA	4081307-BSD1	08/13/14 14:18	1.00	5000

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

SULFUR CLEANUP BATCH SUMMARY

8082A

Client: WESTON SOLUTIONS SDG: 1408028 Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Batch: 4081307 Matrix: Soil Preparation: EPA 3550B_GC

Sulfur Cleanup Batch: C408048

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL/WT (g)	FINAL VOL/WT (uL)
P001-COMP02-LW-01	1408028-01	08/13/14 14:18	1.00	5000
P001-DR0502-LW-01	1408028-02	08/13/14 14:18	1.00	5000

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

H. Analysis Sequence Summary

(ANALYSIS SEQUENCE SUMMARY)

ANALYSIS SEQUENCE SUMMARY

8082A

Client: WESTON SOLUTIONS SDG: 1408028 Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Sequence: 4H14006 Calibration: 4081501 Instrument: agilent90

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
AR12213EA	4H14006-ARC1	003e4H14006-ARC1.d	08/14/14 12:49:00
AR12323EA	4H14006-ARC2	004e4H14006-ARC2.d	08/14/14 13:20:00
AR12423EA	4H14006-ARC3	005e4H14006-ARC3.d	08/14/14 13:50:00
AR12483EA	4H14006-ARC4	006e4H14006-ARC4.d	08/14/14 14:20:00
AR12543EA	4H14006-ARC5	007e4H14006-ARC5.d	08/14/14 14:51:00
AR12623EA	4H14006-ARC6	008e4H14006-ARC6.d	08/14/14 15:21:00
AR12683EA	4H14006-ARC7	009e4H14006-ARC7.d	08/14/14 15:51:00
AR16601EA	4H14006-CAL1	010e4H14006-CAL1.d	08/14/14 16:22:00
AR16602EA	4H14006-CAL2	011e4H14006-CAL2.d	08/14/14 16:52:00
AR16603EA	4H14006-CAL3	012e4H14006-CAL3.d	08/14/14 17:23:00
AR16604EA	4H14006-CAL4	013e4H14006-CAL4.d	08/14/14 17:53:00
AR16605EA	4H14006-CAL5	014e4H14006-CAL5.d	08/14/14 18:23:00
SCV1660EA	4H14006-SCV1	015e4H14006-SCV1.d	08/14/14 18:54:00

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

ANALYSIS SEQUENCE SUMMARY

8082A

Client: WESTON SOLUTIONS SDG: 1408028 Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Sequence: 4H14007 Calibration: 4081501 Instrument: agilent90

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
AR16603EB	4H14007-ICV1	016e4H14007-ICV1.d	08/14/14 19:24:00
AR16603EC	4H14007-CCV1	034e4H14007-CCV1.d	08/15/14 04:31:00
ABLKCA	4081307-BLK1	036e4081307-BLK1.d	08/15/14 05:32:00
ASBLKAC	C408048-CBL1	037eC408048-CBL1.d	08/15/14 06:02:00
ALCSCA	4081307-BS1	038e4081307-BS1.d	08/15/14 06:33:00
ALCSDCA	4081307-BSD1	039e4081307-BSD1.d	08/15/14 07:03:00
P001-COMP02-LW-01	1408028-01	040e1408028-01.d	08/15/14 07:33:00
P001-DR0502-LW-01	1408028-02	041e1408028-02.d	08/15/14 08:04:00
AR16603ED	4H14007-CCV2	046e4H14007-CCV2.d	08/15/14 10:36:00
AR16603EE	4H14007-CCV3	060e4H14007-CCV3.d	08/15/14 17:57:00

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

I. Target Compound Results

(ANALYSIS DATA SHEETS)

Analysis Data Sheets (ADS) and Surrogate Recovery Results

Sample data shall be arranged in packets with the Analysis Data Sheet, followed by the raw data for the sample. These sample packets shall be placed in increasing Client Sample ID number order, considering both letters and numbers.

a. Target Analyte Results (ANALYSIS DATA SHEET)
Tabulated results (identification and quantitation) shall be included.

b. Copies of Chromatograms
Positively identified compounds shall be labeled with the names of compounds, either directly out from the peak on the chromatogram, or on a printout of retention times on the data system printout if retention times are printed over the peak on the chromatogram. Included for each sample or sample extract, dilutions and reanalyses. The chromatogram shall contain the following header information: Client Sample ID Number, volume injected (uL), date and time of injection, GC column ID, GC instrument ID, Lab file ID and analyst ID.

c. Copies of Chromatograms from the Second Column
(where required)

d. Data System Printout
A printout of retention time and corresponding peak height or peak area shall accompany each chromatogram.

ANALYSIS DATA SHEET

8082A

P001-COMP02-LW-01

Client: WESTON SOLUTIONS | SDG: 1408028 | Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Matrix: Soil | Extraction: EPA 3550B_GC | File ID: 040e1408028-01.d | Sampled: 08/06/14 00:00

Initial/Final: 1g / 5000uL | Sulfur Cleanup: Y | Lab ID: 1408028-01 | Received: 08/12/14 08:58

Dilution: 10 | pH: | Florisil Cleanup: N | Prepared: 08/13/14 14:18

% Moisture: NA | GPC Cleanup: N | GPC Cleanup Factor: N | Analyzed: 08/15/14 07:33

Batch: 4081307 | Sequence: 4H14007 | Calibration: 4081501 | Instrument: agilent90

CAS NO.	COMPOUND	CONC. (ug/kg)	MDL	RL	Q
12674-11-2	Aroclor-1016		28	170	U
11104-28-2	Aroclor-1221		54	170	U
11141-16-5	Aroclor-1232		49	170	U
53469-21-9	Aroclor-1242		19	170	U
12672-29-6	Aroclor-1248		12	170	U
11097-69-1	Aroclor-1254		17	170	U
11096-82-5	Aroclor-1260		18	170	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
DCB (A)	300.0	305.0	102	43 - 144	D
DCB (A) [2C]	300.0	284.0	95	43 - 144	D
TCX (A)	150.0	97.00	65	43 - 135	D
TCX (A) [2C]	150.0	113.0	75	43 - 135	D

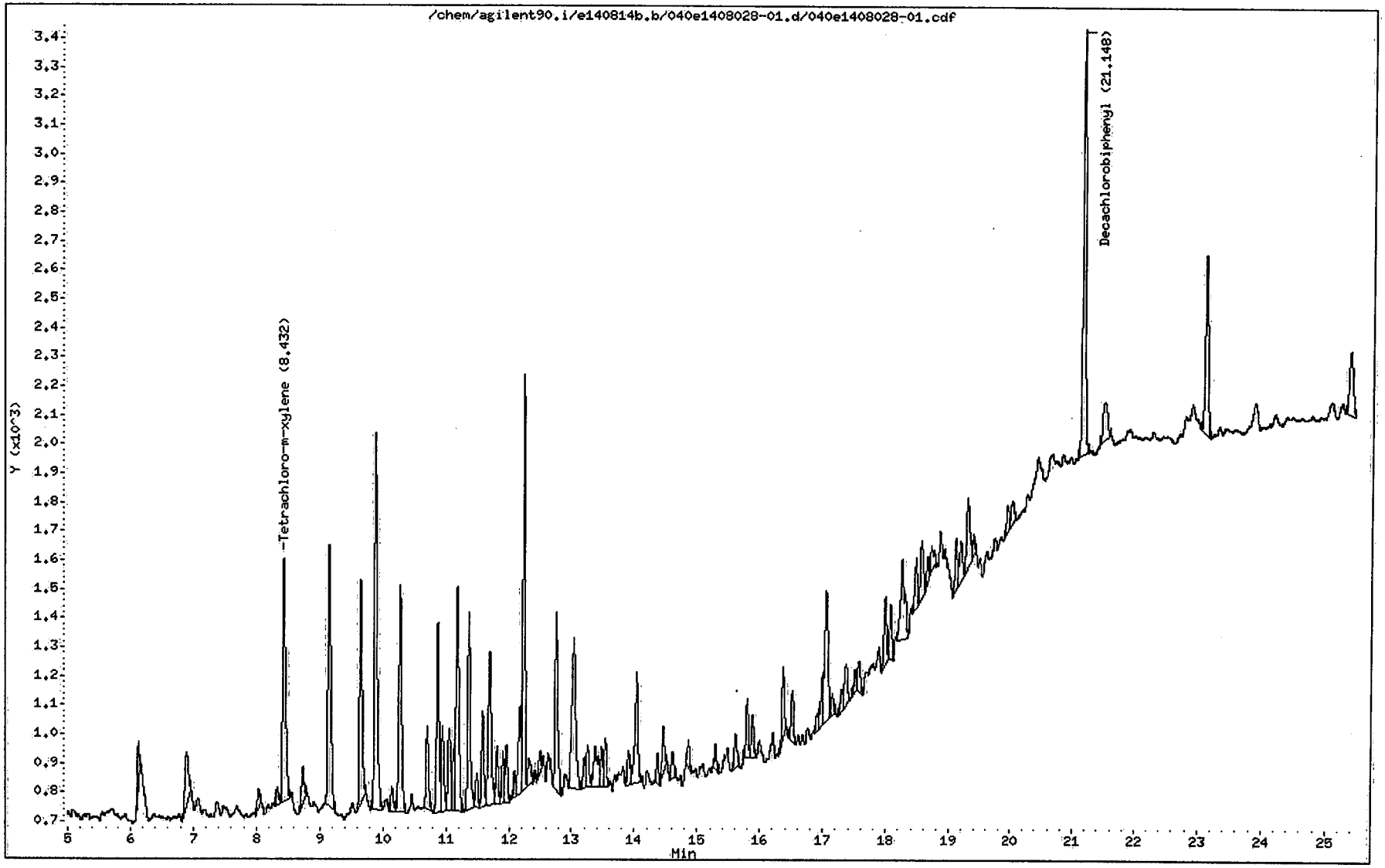
* Values outside of QC limits

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

Data File: /chem/agilent90.i/e140814b.b/040e1408028-01.d
Date : 15-AUG-2014 07:33
Client ID: P001-COMP02-LW-01
Sample Info: 1408028-01
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814b.b/040e1408028-01.d
Lab Smp Id: 1408028-01 Client Smp ID: P001-COMP02-LW-01
Inj Date : 15-AUG-2014 07:33
Operator : BWL Inst ID: agilent90.i
Smp Info : 1408028-01
Misc Info : P001-COMP02-LW-01
Comment :
Method : /chem/agilent90.i/e140814b.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 11:10 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: 8082.sub
Target Version: 3.50 Sample Matrix: SOIL

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws) * (100/(100 - M)) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	GPCCorrection factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	1.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-Xylene					CAS #: 877-09-8		
8.432	8.425	0.007	2575	0.00194	97.0	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.148	21.107	0.041	4231	0.00610	305	80.00- 120.00	100.00

Teresa Amott Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO

2 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

3 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

4 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

5 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

---

6 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

---

7 Aroclor-1254 CAS #: 11097-69-1

Operator disabled compound identification.

---

8 Aroclor-1260 CAS #: 11096-82-5

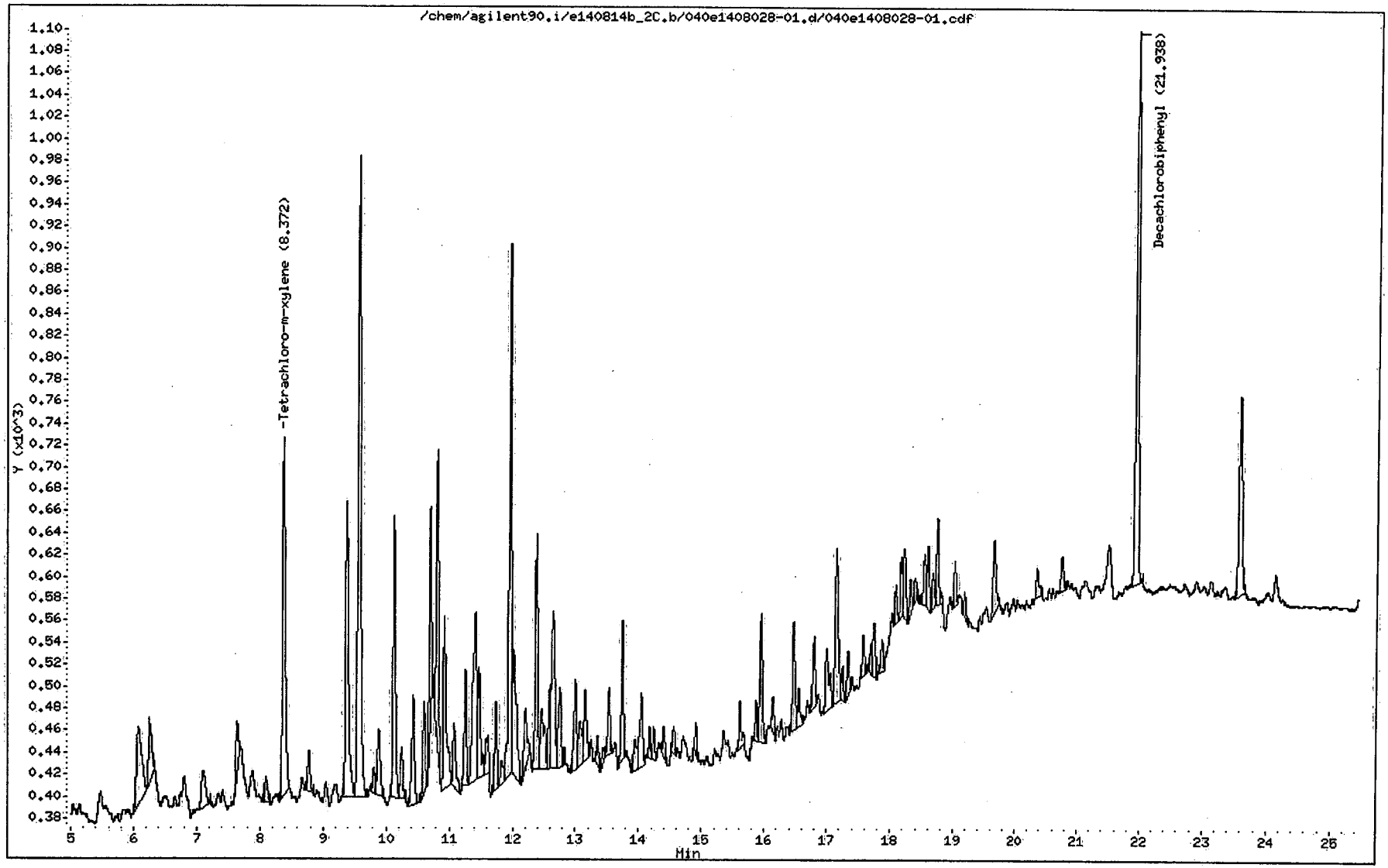
Operator disabled compound identification.

Teresa Amett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814b_2C.b/040e1408028-01.d
Date : 15-AUG-2014 07:33
Client ID: P001-COMP02-LW-01
Sample Info: 1408028-01
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814b_2C.b/040e1408028-01.d
Lab Smp Id: 1408028-01 Client Smp ID: P001-COMP02-LW-01
Inj Date : 15-AUG-2014 07:33
Operator : BWL Inst ID: agilent90.i
Smp Info : 1408028-01
Misc Info : P001-COMP02-LW-01
Comment :
Method : /chem/agilent90.i/e140814b_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 11:11 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1
Dil Factor: 10.00000
Integrator: Falcon Compound Sublist: 8082.sub
Target Version: 3.50 Sample Matrix: SOIL

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws) * (100/(100 - M)) * CpndVariable

Name	Value	Description
DF	10.00000	Dilution Factor
Uf	1.00000	GPCCorrection factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	1.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-Xylene					CAS #: 877-09-8		
8.372	8.363	0.009	1002	0.00226	113	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.938	21.900	0.038	1468	0.00568	284	80.00- 120.00	100.00

Teresa Arnett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO

2 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

3 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

4 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

5 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

---

6 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

---

7 Aroclor-1254 CAS #: 11097-69-1

Operator disabled compound identification.

---

8 Aroclor-1260 CAS #: 11096-82-5

Operator disabled compound identification.

Teresa Amitt Jennings 8/15/2014

ANALYSIS DATA SHEET

8082A

P001-DR0502-LW-01

Client: WESTON SOLUTIONS | SDG: 1408028 | Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Matrix: Soil | Extraction: EPA 3550B_GC | File ID: 041e1408028-02.d | Sampled: 08/06/14 00:00

Initial/Final: 1g / 5000uL | Sulfur Cleanup: Y | Lab ID: 1408028-02 | Received: 08/12/14 08:58

Dilution: 1 | pH: | Florisil Cleanup: N | Prepared: 08/13/14 14:18

% Moisture: NA | GPC Cleanup: N | GPC Cleanup Factor: N | Analyzed: 08/15/14 08:04

Batch: 4081307 | Sequence: 4H14007 | Calibration: 4081501 | Instrument: agilent90

CAS NO.	COMPOUND	CONC. (ug/kg)	MDL	RL	Q
12674-11-2	Aroclor-1016		2.8	17	U
11104-28-2	Aroclor-1221		5.4	17	U
11141-16-5	Aroclor-1232		4.9	17	U
53469-21-9	Aroclor-1242		1.9	17	U
12672-29-6	Aroclor-1248		1.2	17	U
11097-69-1	Aroclor-1254		1.7	17	U
11096-82-5	Aroclor-1260		1.8	17	U

SYSTEM MONITORING COMPOUND	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
DCB (A)	300.0	318.2	106	43 - 144	
DCB (A) [2C]	300.0	313.3	104	43 - 144	
TCX (A)	150.0	ND		43 - 135	*
TCX (A) [2C]	150.0	ND		43 - 135	*

* Values outside of QC limits

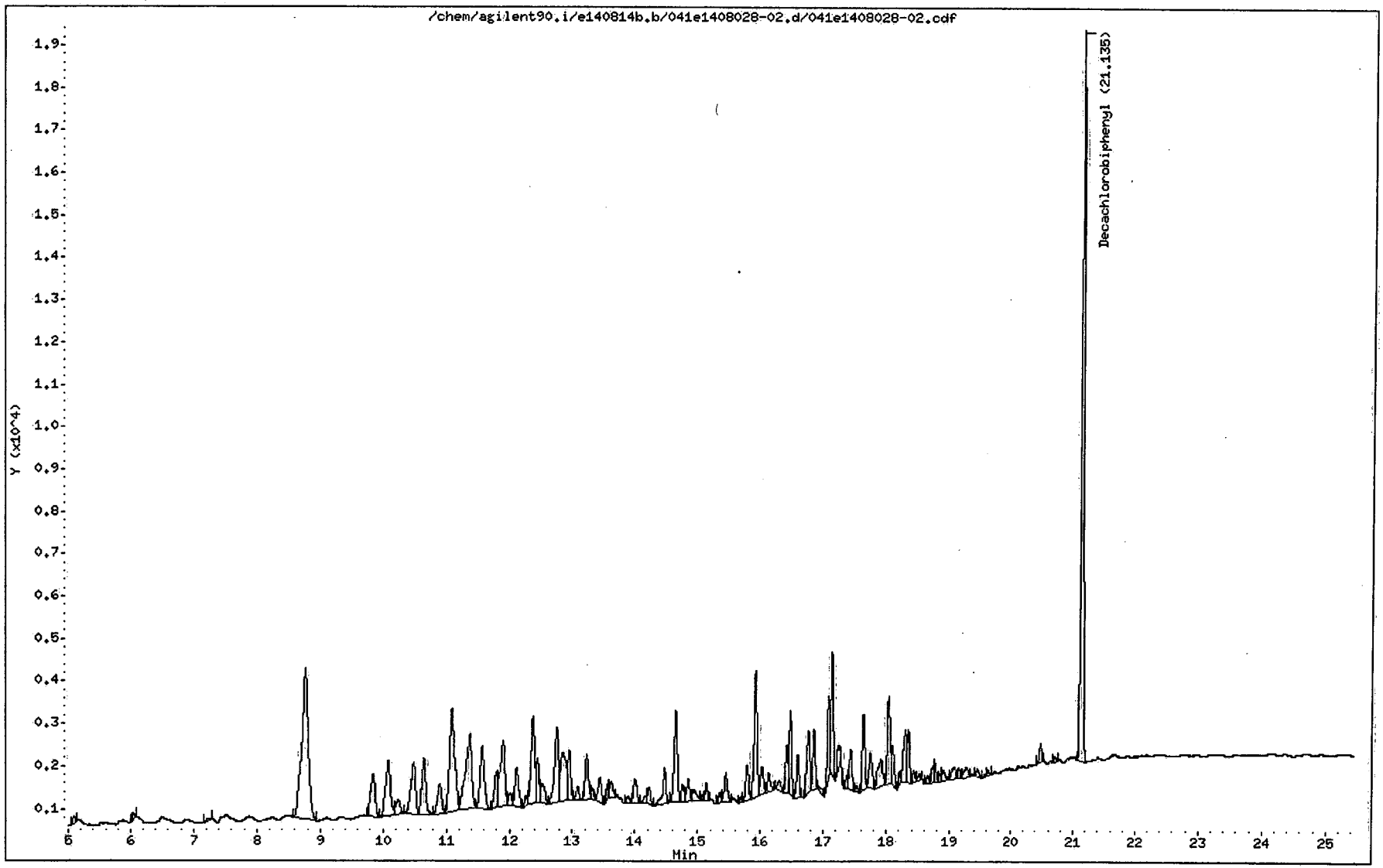
CompuChem
A Division Of
Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

Data File: /chem/agilent90.i/e140814b.b/041e1408028-02.d
Date : 15-AUG-2014 08:04
Client ID: P001-DR0502-LW-01
Sample Info: 1408028-02
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814b.b/041e1408028-02.d
Lab Smp Id: 1408028-02 Client Smp ID: P001-DR0502-LW-01
Inj Date : 15-AUG-2014 08:04
Operator : BWL Inst ID: agilent90.i
Smp Info : 1408028-02
Misc Info : P001-DR0502-LW-01
Comment :
Method : /chem/agilent90.i/e140814b.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 11:10 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8082.sub
Target Version: 3.50 Sample Matrix: SOIL

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws) * (100/(100 - M)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPCCorrection factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	1.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-Xylene					CAS #: 877-09-8		
Compound Not Detected							
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.135	21.107	0.028	44132	0.06363	318	80.00- 120.00	100.00

Teresa Arnett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO

2 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

3 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

4 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

5 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

---

6 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

---

7 Aroclor-1254 CAS #: 11097-69-1

Operator disabled compound identification.

---

8 Aroclor-1260 CAS #: 11096-82-5

Operator disabled compound identification.

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814b_2C.b/041e1408028-02.d

Page 3

Date : 15-AUG-2014 08:04

Client ID: P001-DR0502-LW-01

Instrument: agilent90.i

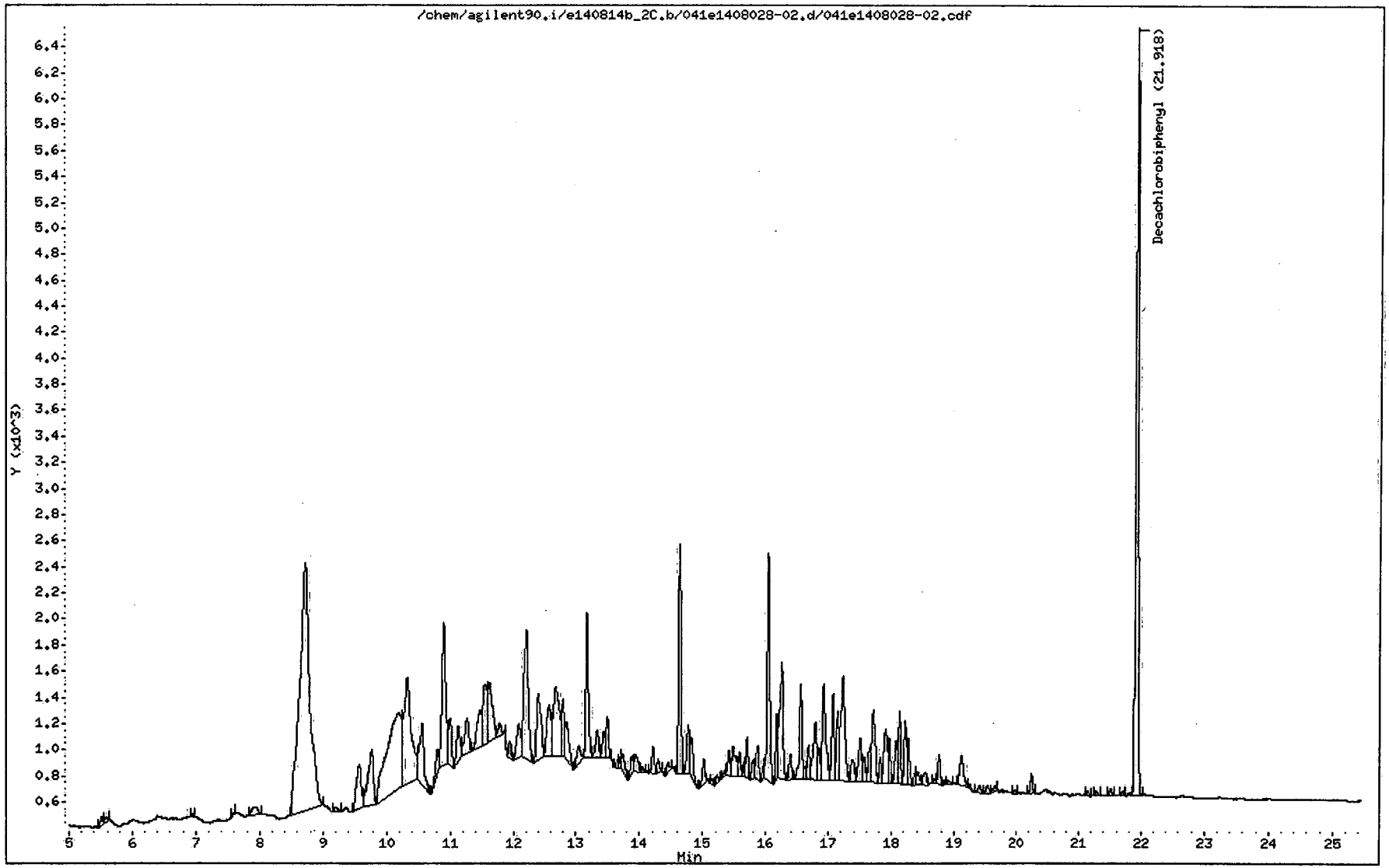
Sample Info: 1408028-02

Volume Injected (uL): 1.0

Operator: BWL

Column phase: olpest2

Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814b_2C.b/041e1408028-02.d
Lab Smp Id: 1408028-02 Client Smp ID: P001-DR0502-LW-01
Inj Date : 15-AUG-2014 08:04
Operator : BWL Inst ID: agilent90.i
Smp Info : 1408028-02
Misc Info : P001-DR0502-LW-01
Comment :
Method : /chem/agilent90.i/e140814b_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 11:11 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8082.sub
Target Version: 3.50 Sample Matrix: SOIL

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws) * (100/(100 - M)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPCCorrection factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	1.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-Xylene					CAS #: 877-09-8		
Compound Not Detected							
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.918	21.900	0.018	16197	0.06266	313	80.00- 120.00	100.00

Teresa Amett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO

2 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

3 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

4 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

5 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

---

6 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

---

7 Aroclor-1254 CAS #: 11097-69-1

Operator disabled compound identification.

---

8 Aroclor-1260 CAS #: 11096-82-5

Operator disabled compound identification.

Teresa Amitt Jennings 8/15/2014

J. Initial Calibration and Second Source Calibration Verification Data

(INITIAL CALIBRATION DATA) (SECOND-SOURCE CALIBRATION VERIFICATION)

For all GC columns, all instruments, in chronological order by GC column and instrument. If more than one instrument is used, forms shall be arranged in order by instrument. Multiple initial calibrations from the same instrument shall be in chronological order. Within each initial calibration, the standards are in order by level, from lowest to highest. The calibration is followed by the second source calibration verification form.

(1) Quantitation reports and chromatograms for the initial calibration and the second source calibration verification.

(2) Chromatogram peak displaying each manual integration, depicting integration time range.

INITIAL CALIBRATION DATA

8082A

Client: WESTON SOLUTIONS SDG: 1408028

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Calibration: 4081501 Instrument: agilent90

Calibration Date: 8/14/2014 12:49:30PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
Aroclor-1016	0.1	35912	0.2	35127	0.4	34502	0.8	32912	1.6	31306.13		
Aroclor-1016 (1)	0.1	24920	0.2	23930	0.4	23295	0.8	21972.5	1.6	20255.63		
Aroclor-1016 (2)	0.1	48230	0.2	46375	0.4	44577.5	0.8	41547.5	1.6	38749.38		
Aroclor-1016 (3)	0.1	56510	0.2	54990	0.4	55545	0.8	54197.5	1.6	53170		
Aroclor-1016 (4)	0.1	21280	0.2	23020	0.4	22495	0.8	21690	1.6	20508.13		
Aroclor-1016 (5)	0.1	28620	0.2	27320	0.4	26597.5	0.8	25152.5	1.6	23847.5		
Aroclor-1016 [2C]	0.1	12196	0.2	11758	0.4	11838	0.8	11876.5	1.6	11577.25		
Aroclor-1016 (1) [2C]	0.1	8620	0.2	8210	0.4	7905	0.8	7612.5	1.6	7212.5		
Aroclor-1016 (2) [2C]	0.1	22370	0.2	21195	0.4	22050	0.8	22403.75	1.6	21813.13		
Aroclor-1016 (3) [2C]	0.1	12820	0.2	12285	0.4	12245	0.8	12412.5	1.6	12094.38		
Aroclor-1016 (4) [2C]	0.1	7490	0.2	7295	0.4	7312.5	0.8	7640	1.6	7650.625		
Aroclor-1016 (5) [2C]	0.1	9680	0.2	9805	0.4	9677.5	0.8	9313.75	1.6	9115.625		
Aroclor-1260	0.1	56060	0.2	51370	0.4	51680.5	0.8	47599.5	1.6	45823.88		
Aroclor-1260 (1)	0.1	76250	0.2	70240	0.4	69580	0.8	64672.5	1.6	60939.38		
Aroclor-1260 (2)	0.1	44410	0.2	40515	0.4	38850	0.8	35050	1.6	31439.38		
Aroclor-1260 (3)	0.1	93220	0.2	86140	0.4	87180	0.8	80795	1.6	79915.63		
Aroclor-1260 (4)	0.1	43740	0.2	39110	0.4	41027.5	0.8	37837.5	1.6	37560.63		
Aroclor-1260 (5)	0.1	22680	0.2	20845	0.4	21765	0.8	19642.5	1.6	19264.38		
Aroclor-1260 [2C]	0.1	21710	0.2	20619	0.4	20939.5	0.8	19788	1.6	19235.13		
Aroclor-1260 (1) [2C]	0.1	19230	0.2	17580	0.4	17507.5	0.8	16546.25	1.6	15298.13		
Aroclor-1260 (2) [2C]	0.1	22000	0.2	20510	0.4	20582.5	0.8	19767.5	1.6	19096.88		
Aroclor-1260 (3) [2C]	0.1	16670	0.2	15670	0.4	15770	0.8	14707.5	1.6	14090		
Aroclor-1260 (4) [2C]	0.1	16910	0.2	16005	0.4	16107.5	0.8	15058.75	1.6	14556.25		
Aroclor-1260 (5) [2C]	0.1	33740	0.2	33330	0.4	34730	0.8	32860	1.6	33134.38		
DCB (A)	0.01	771600	0.02	702250	0.04	692000	0.08	643562.5	0.16	658362.5		
DCB (A) [2C]	0.01	286300	0.02	259650	0.04	259375	0.08	241225	0.16	245893.8		
TCX (A)	0.005	1347800	0.01	1313500	0.02	1334850	0.04	1321125	0.08	1316288		

Environmental Testing Laboratories

CompuChem

A Division Of

Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

INITIAL CALIBRATION DATA

8082A

Client: WESTON SOLUTIONS SDG: 1408028

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Calibration: 4081501 Instrument: agilent90

Calibration Date: 8/14/2014 12:49:30PM

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
		RF		RF		RF		RF		RF		RF
TCX (A) [2C]	0.005	440800	0.01	432100	0.02	442900	0.04	447825	0.08	457925		

CompuChem
A Division Of
Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH
nelac

INITIAL CALIBRATION DATA (Continued)

8082A

Client: WESTON SOLUTIONS SDG: 1408028

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Calibration: 4081501 Instrument: agilent90

Calibration Date: 8/14/2014 12:49:30PM

Compound	Mean RF	% RSD	Mean RT	RT RSD	Linear r	Quad COD	RSD LIMIT	Q
Aroclor-1016	33951.82	5.43235	12.8254	1.177267E-02			CCC (20)	
Aroclor-1016 (1)	22874.63	7.925571	9.4522	2.208017E-02			CCC (20)	
Aroclor-1016 (2)	43895.88	8.629577	10.379	8.296603E-03			CCC (20)	
Aroclor-1016 (3)	54882.5	2.322895	11.5516	1.602556E-02			CCC (20)	
Aroclor-1016 (4)	21798.63	4.542992	12.015	8.454538E-03			CCC (20)	
Aroclor-1016 (5)	26307.5	7.071284	12.8254	1.177267E-02			CCC (20)	
Aroclor-1016 [2C]	11849.15	1.903156	13.2368	2.085229E-02			CCC (20)	
Aroclor-1016 (1) [2C]	7912	6.833022	9.726	1.851889E-02			CCC (20)	
Aroclor-1016 (2) [2C]	21966.38	2.252993	11.8528	1.546678E-02			CCC (20)	
Aroclor-1016 (3) [2C]	12371.38	2.225134	12.1636	6.449747E-03			CCC (20)	
Aroclor-1016 (4) [2C]	7477.625	2.287819	12.4048	2.170713E-02			CCC (20)	
Aroclor-1016 (5) [2C]	9518.375	3.052513	13.2368	2.085229E-02			CCC (20)	
Aroclor-1260	50506.78	7.878965	20.0816	1.658397E-02			CCC (20)	
Aroclor-1260 (1)	68336.38	8.530694	16.1528	9.513134E-03			CCC (20)	
Aroclor-1260 (2)	38052.88	13.13081	16.9936	8.754337E-03			CCC (20)	
Aroclor-1260 (3)	85450.13	6.305922	18.1786	0.0116942			CCC (20)	
Aroclor-1260 (4)	39855.13	6.440768	18.7872	0.015481			CCC (20)	
Aroclor-1260 (5)	20839.38	6.852878	20.0816	1.658397E-02			CCC (20)	
Aroclor-1260 [2C]	20458.32	4.745119	18.5466	1.635779E-02			CCC (20)	
Aroclor-1260 (1) [2C]	17232.38	8.408954	16.005	1.641548E-02			CCC (20)	
Aroclor-1260 (2) [2C]	20391.38	5.317669	16.4432	2.044234E-02			CCC (20)	
Aroclor-1260 (3) [2C]	15381.5	6.514829	17.3968	1.439956E-02			CCC (20)	
Aroclor-1260 (4) [2C]	15727.5	5.895377	18.0296	1.841497E-02			CCC (20)	
Aroclor-1260 (5) [2C]	33558.88	2.17209	18.5466	1.635779E-02			CCC (20)	
DCB (A)	693555	7.175562	21.1072	1.818875E-02			CCC (20)	
DCB (A) [2C]	258488.8	6.790181	21.8978	6.830259E-03			CCC (20)	
TCX (A)	1326713	1.082725	8.4254	1.251106E-02			CCC (20)	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

INITIAL CALIBRATION DATA (Continued)

8082A

Client: WESTON SOLUTIONS SDG: 1408028

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Calibration: 4081501 Instrument: agilent90

Calibration Date: 8/14/2014 12:49:30PM

Compound	Mean RF	% RSD	Mean RT	RT RSD	Linear r	Quad COD	RSD LIMIT	Q
TCX (A) [2C]	444310	2.13849	8.3624	1.659468E-02			CCC (20)	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

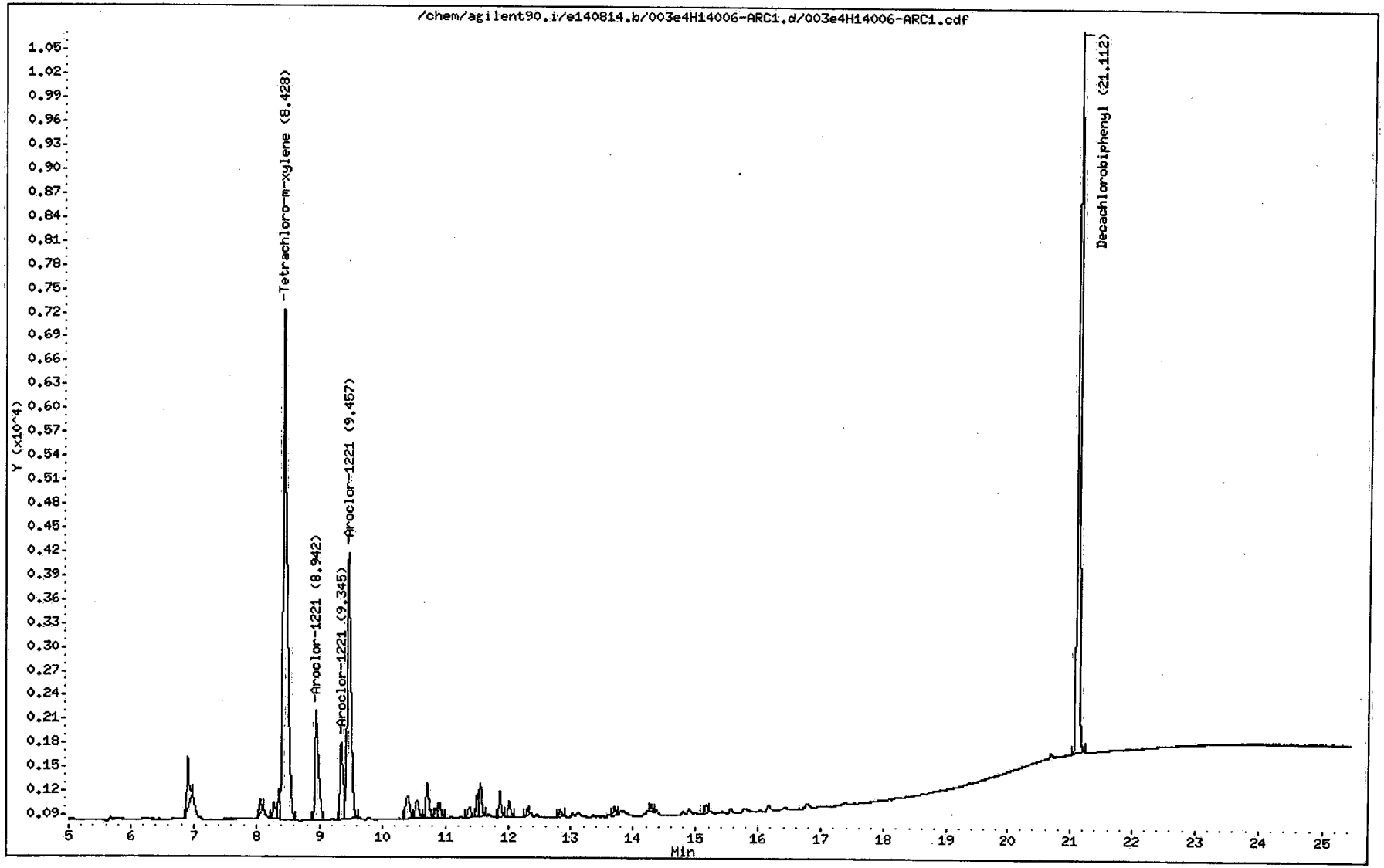
ACCREDITED IN ACCORDANCE WITH nelac

Initial Calibration
Raw Data

Data File: /chem/agilent90.i/e140814.b/003e4H14006-ARC1.d
Date : 14-AUG-2014 12:49
Client ID: AR12213EA
Sample Info: 4H14006-ARC1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814.b/003e4H14006-ARC1.d
Lab Smp Id: 4H14006-ARC1 Client Smp ID: AR12213EA
Inj Date : 14-AUG-2014 12:49
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-ARC1
Misc Info : AR12213EA
Comment :
Method : /chem/agilent90.i/e140814.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 09:22 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
3 Aroclor-1221					CAS #: 11104-28-2		
8.942	8.942	0.000	5294	0.40000	0.400	80.00- 120.00	100.00(a)
9.345	9.345	0.000	3283	0.40000	0.400	42.01- 82.01	62.01
9.457	9.457	0.000	12907	0.40000	0.400	223.79- 263.79	243.79
Average of Peak Amounts =					0.4		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.428	8.425	0.003	27015	0.02000	0.0204	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.112	21.107	0.005	24749	0.04000	0.0357	80.00- 120.00	100.00

Teresa Amott Jennings 8/15/2014

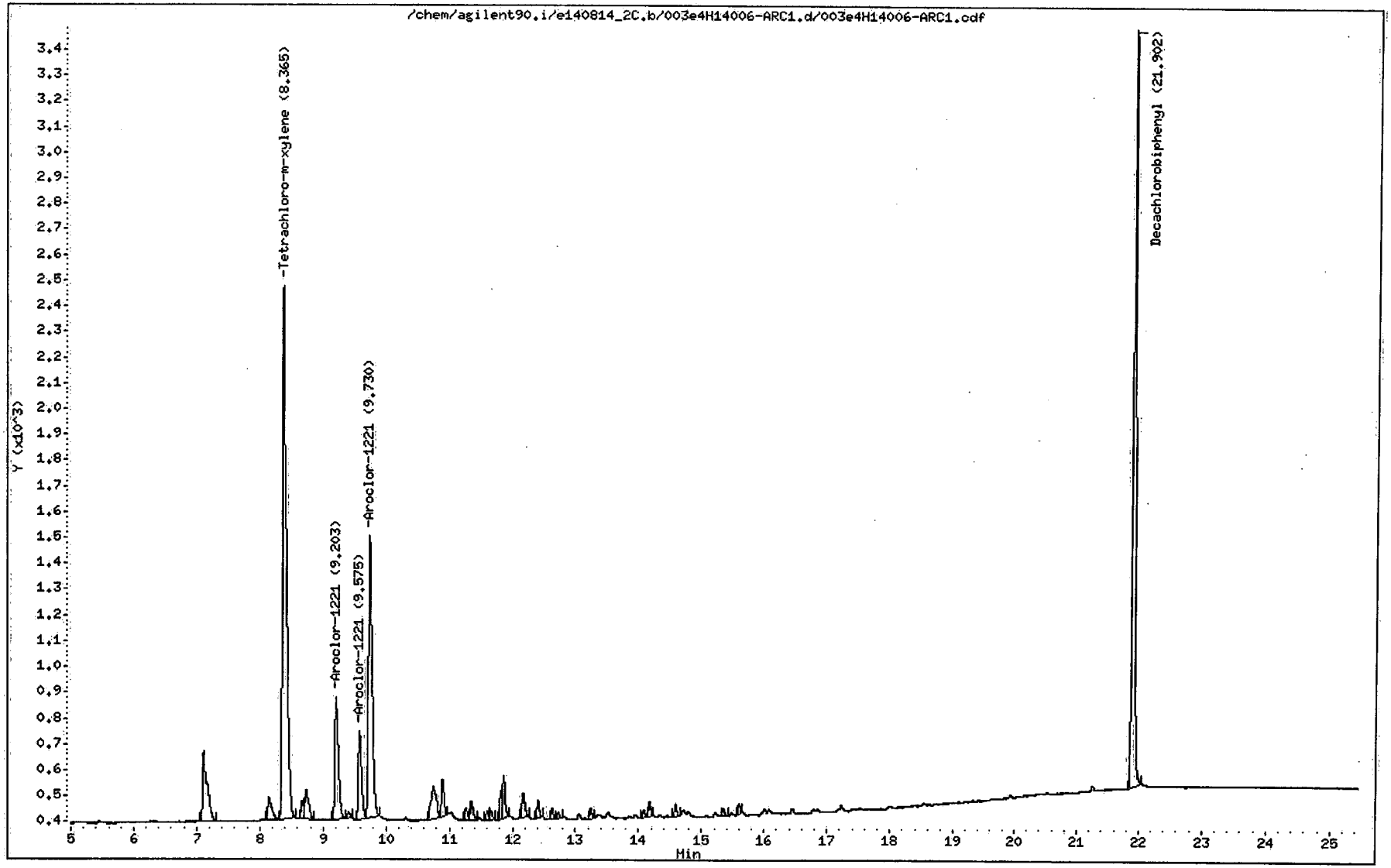
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Teresa Amett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814_2C.b/003e4H14006-ARC1.d
Date : 14-AUG-2014 12:49
Client ID: AR12213EA
Sample Info: 4H14006-ARC1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814_2C.b/003e4H14006-ARC1.d
Lab Smp Id: 4H14006-ARC1 Client Smp ID: AR12213EA
Inj Date : 14-AUG-2014 12:49
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-ARC1
Misc Info : AR12213EA
Comment :
Method : /chem/agilent90.i/e140814_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 09:26 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1221.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
3 Aroclor-1221					CAS #: 11104-28-2		
9.203	9.203	0.000	1818	0.40000	0.400	80.00- 120.00	100.00(a)
9.575	9.575	0.000	1207	0.40000	0.400	46.39- 86.39	66.39
9.730	9.730	0.000	4361	0.40000	0.400	219.88- 259.88	239.88
Average of Peak Amounts =					0.4		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.365	8.363	0.002	8687	0.02000	0.0196	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.902	21.900	0.002	8678	0.04000	0.0336	80.00- 120.00	100.00

Teresa Amett Jennings 8/15/2014

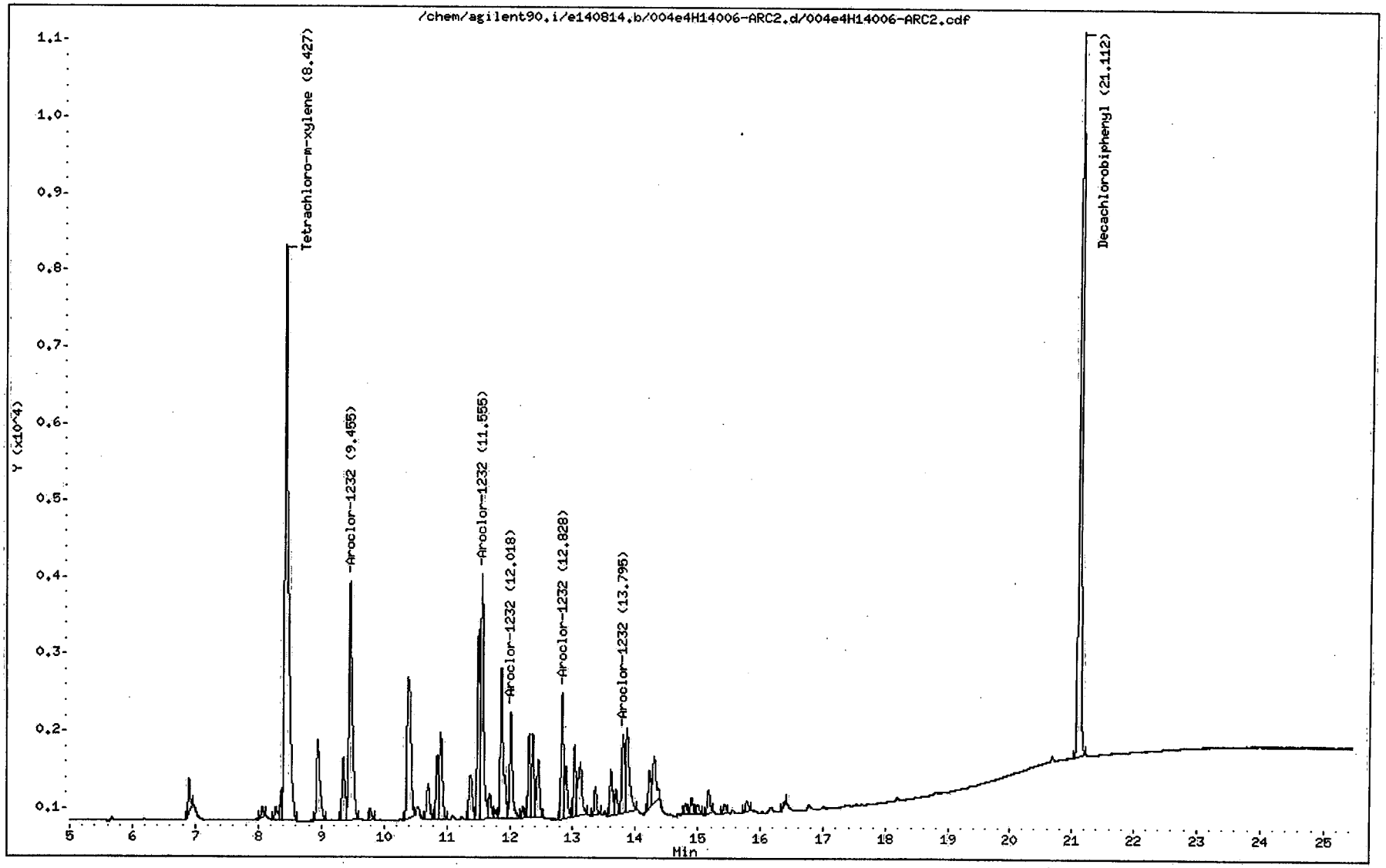
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814.b/004e4H14006-ARC2.d
Date : 14-AUG-2014 13:20
Client ID: AR12323EA
Sample Info: 4H14006-ARC2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814.b/004e4H14006-ARC2.d
Lab Smp Id: 4H14006-ARC2 Client Smp ID: AR12323EA
Inj Date : 14-AUG-2014 13:20
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-ARC2
Misc Info : AR12323EA
Comment :
Method : /chem/agilent90.i/e140814.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 09:22 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1232					CAS #: 11141-16-5		
9.455	9.455	0.000	11078	0.40000	0.400	80.00- 120.00	100.00(a)
11.555	11.555	0.000	10063	0.40000	0.400	70.84- 110.84	90.84
12.018	12.018	0.000	4098	0.40000	0.400	16.99- 56.99	36.99
12.828	12.828	0.000	4323	0.40000	0.400	19.02- 59.02	39.02
13.795	13.795	0.000	2885	0.40000	0.400	6.05- 46.05	26.05
Average of Peak Amounts =					0.4		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.427	8.425	0.002	28162	0.02000	0.0212	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.112	21.107	0.005	25957	0.04000	0.0374	80.00- 120.00	100.00

Teresa Arnett Jennings 8/15/2014

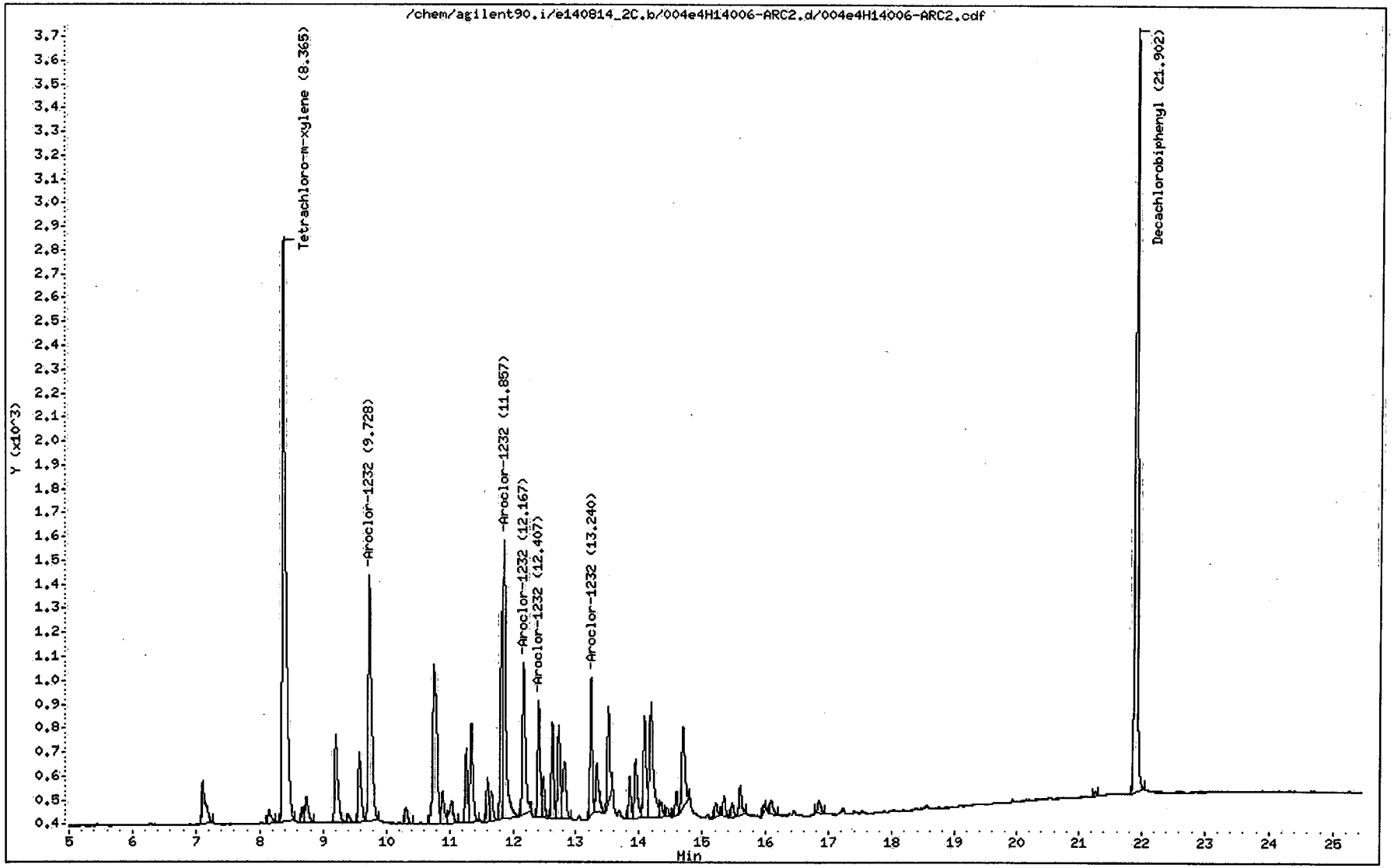
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814_2C.b/004e4H14006-ARC2.d
Date : 14-AUG-2014 13:20
Client ID: AR12323EA
Sample Info: 4H14006-ARC2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814_2C.b/004e4H14006-ARC2.d
Lab Smp Id: 4H14006-ARC2 Client Smp ID: AR12323EA
Inj Date : 14-AUG-2014 13:20
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-ARC2
Misc Info : AR12323EA
Comment :
Method : /chem/agilent90.i/e140814_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 09:26 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1232.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
4 Aroclor-1232					CAS #: 11141-16-5		
9.728	9.728	0.000	3696	0.40000	0.400	80.00- 120.00	100.00(a)
11.857	11.857	0.000	3766	0.40000	0.400	81.89- 121.89	101.89
12.167	12.167	0.000	2097	0.40000	0.400	36.74- 76.74	56.74
12.407	12.407	0.000	1291	0.40000	0.400	14.93- 54.93	34.93
13.240	13.240	0.000	1432	0.40000	0.400	18.74- 58.74	38.74
Average of Peak Amounts =					0.4		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.365	8.363	0.002	9101	0.02000	0.0205	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.902	21.900	0.002	9273	0.04000	0.0359	80.00- 120.00	100.00

Teresa Arnett Jennings 8/15/2014

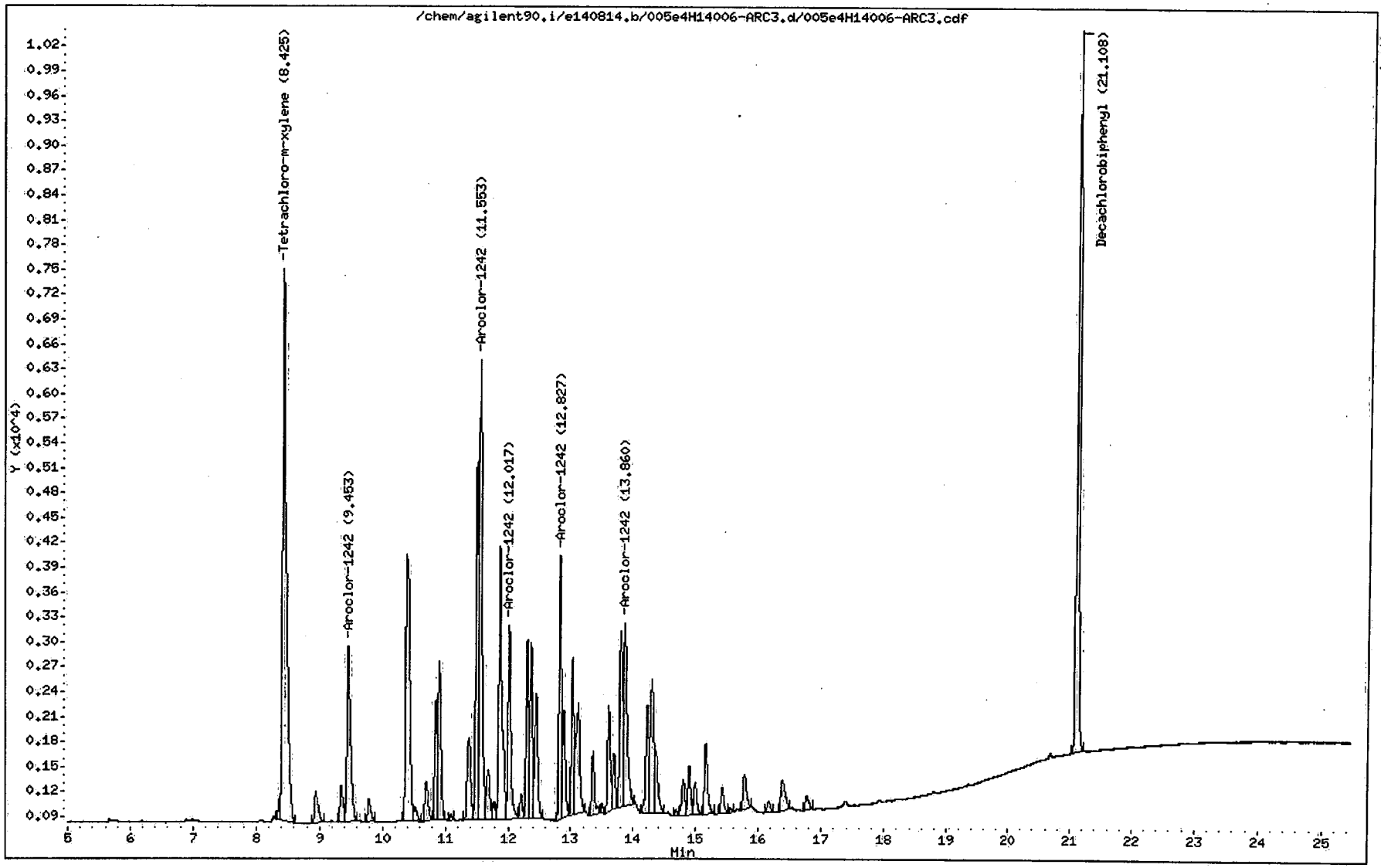
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814.b/005e4H14006-ARC3.d
Date : 14-AUG-2014 13:50
Client ID: AR12423EA
Sample Info: 4H14006-ARC3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814.b/005e4H14006-ARC3.d
Lab Smp Id: 4H14006-ARC3 Client Smp ID: AR12423EA
Inj Date : 14-AUG-2014 13:50
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-ARC3
Misc Info : AR12423EA
Comment :
Method : /chem/agilent90.i/e140814.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 09:22 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
9.453	9.453	0.000	7816	0.40000	0.400	80.00- 120.00	100.00(a)
11.553	11.553	0.000	18096	0.40000	0.400	211.50- 251.50	231.50
12.017	12.017	0.000	7323	0.40000	0.400	73.68- 113.68	93.68
12.827	12.827	0.000	8590	0.40000	0.400	89.89- 129.89	109.89
13.860	13.860	0.000	8711	0.40000	0.400	91.45- 131.45	111.45
Average of Peak Amounts =					0.4		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.425	8.425	0.000	26401	0.02000	0.0199	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.108	21.107	0.001	24084	0.04000	0.0347	80.00- 120.00	100.00

Teresa Arnett Jennings 8/15/2014

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

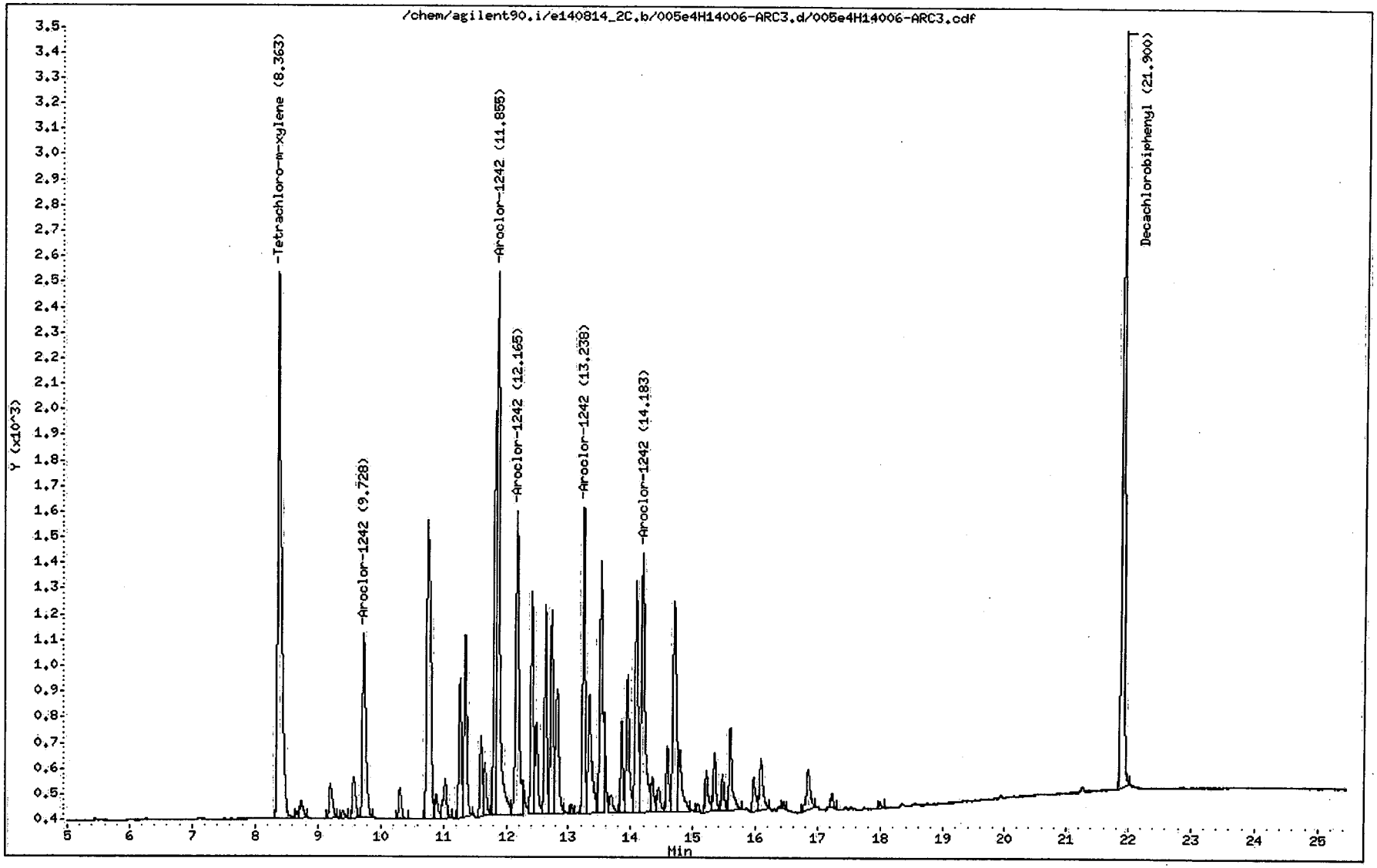
Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814_2C.b/005e4H14006-ARC3.d
Date : 14-AUG-2014 13:50
Client ID: AR12423EA
Sample Info: 4H14006-ARC3
Volume Injected (uL): 1.0
Column phase: clpest2

Page 3

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814_2C.b/005e4H14006-ARC3.d
Lab Smp Id: 4H14006-ARC3 Client Smp ID: AR12423EA
Inj Date : 14-AUG-2014 13:50
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-ARC3
Misc Info : AR12423EA
Comment :
Method : /chem/agilent90.i/e140814_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 09:26 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1242.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
5 Aroclor-1242					CAS #: 53469-21-9		
9.728	9.728	0.000	2599	0.40000	0.400	80.00- 120.00	100.00(aM)
11.855	11.855	0.000	7328	0.40000	0.400	261.95- 301.95	281.95
12.165	12.165	0.000	4329	0.40000	0.400	146.56- 186.56	166.56
13.238	13.238	0.000	3079	0.40000	0.400	98.47- 138.47	118.47
14.183	14.183	0.000	3967	0.40000	0.400	132.64- 172.64	152.64
Average of Peak Amounts =					0.4		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.363	8.363	0.000	8710	0.02000	0.0196	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.900	21.900	0.000	8641	0.04000	0.0334	80.00- 120.00	100.00

Teresa Amett Jennings 8/15/2014

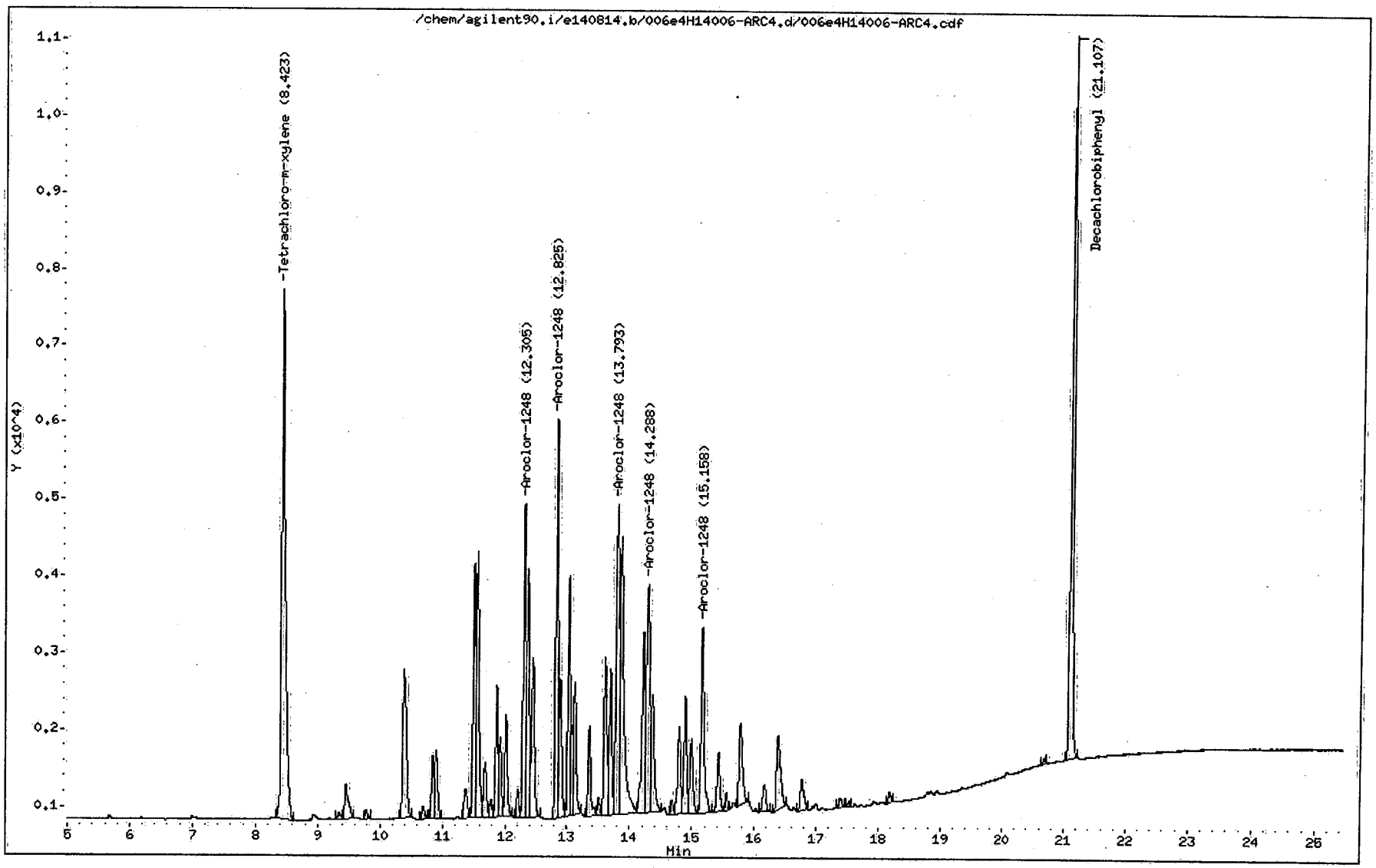
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814.b/006e4H14006-ARC4.d
Date : 14-AUG-2014 14:20
Client ID: AR12483EA
Sample Info: 4H14006-ARC4
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814.b/006e4H14006-ARC4.d
Lab Smp Id: 4H14006-ARC4 Client Smp ID: AR12483EA
Inj Date : 14-AUG-2014 14:20
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-ARC4
Misc Info : AR12483EA
Comment :
Method : /chem/agilent90.i/e140814.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 09:22 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
12.305	12.305	0.000	10273	0.40000	0.400	80.00- 120.00	100.00(a)
12.825	12.825	0.000	13943	0.40000	0.400	115.72- 155.72	135.72
13.793	13.793	0.000	12312	0.40000	0.400	99.84- 139.84	119.84
14.288	14.288	0.000	11553	0.40000	0.400	92.46- 132.46	112.46
15.158	15.158	0.000	7947	0.40000	0.400	57.36- 97.36	77.36
Average of Peak Amounts =					0.4		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.423	8.425	-0.002	26929	0.02000	0.0203	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.107	21.107	0.000	25844	0.04000	0.0373	80.00- 120.00	100.00

Teresa Arnett Jennings 8/15/2014

QC Flag Legend

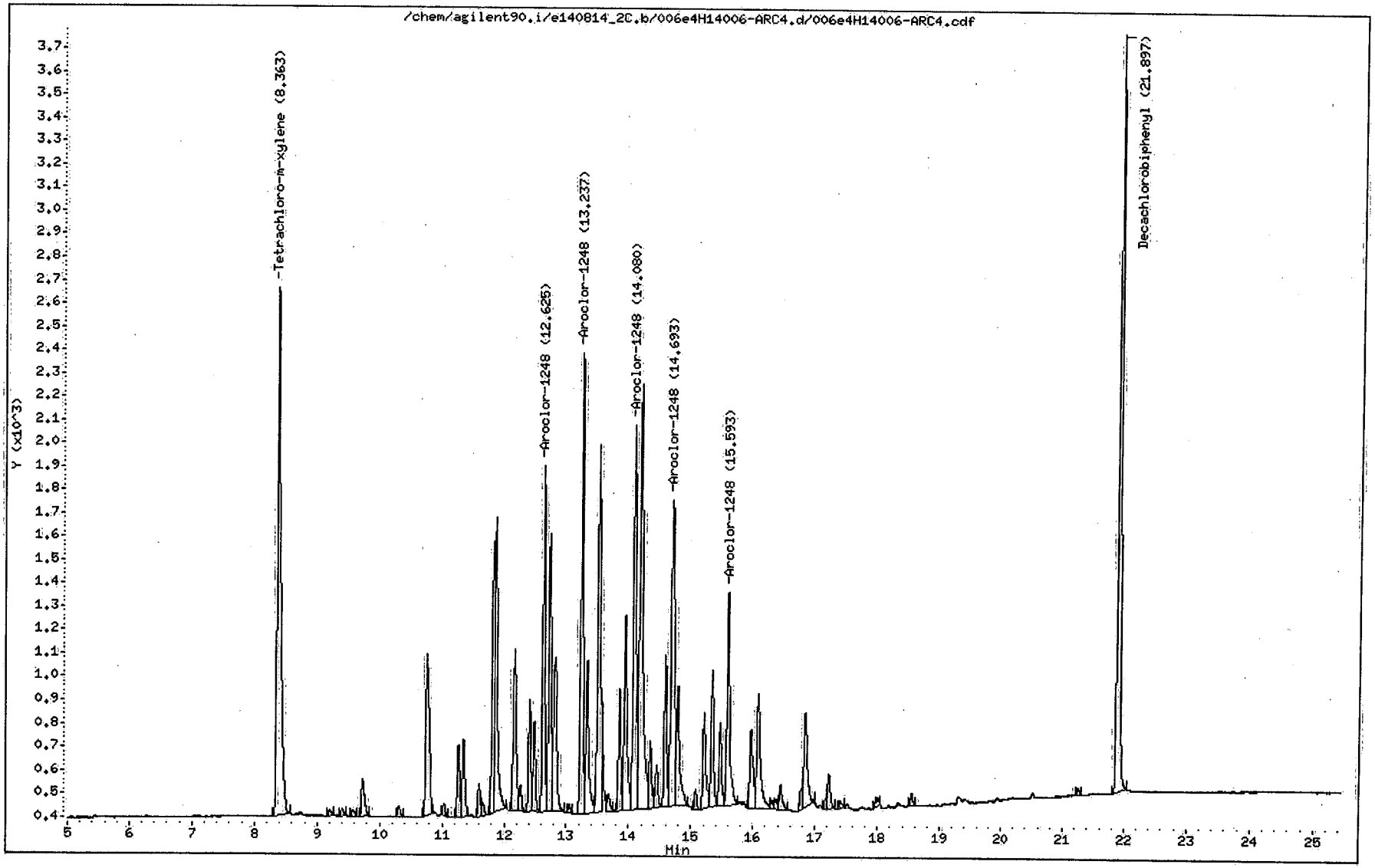
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Teresa Amitt Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814_2C.b/006e4H14006-ARC4.d
Date : 14-AUG-2014 14:20
Client ID: AR12483EA
Sample Info: 4H14006-ARC4
Volume Injected (uL): 1.0
Column phase: olpest2

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814_2C.b/006e4H14006-ARC4.d
Lab Smp Id: 4H14006-ARC4 Client Smp ID: AR12483EA
Inj Date : 14-AUG-2014 14:20
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-ARC4
Misc Info : AR12483EA
Comment :
Method : /chem/agilent90.i/e140814_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 09:26 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1248.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
6 Aroclor-1248					CAS #: 12672-29-6		
12.625	12.625	0.000	3755	0.40000	0.400	80.00- 120.00	100.00(aM)
13.237	13.237	0.000	4993	0.40000	0.400	112.97- 152.97	132.97
14.080	14.080	0.000	4987	0.40000	0.400	112.81- 152.81	132.81
14.693	14.693	0.000	5266	0.40000	0.400	120.24- 160.24	140.24
15.593	15.593	0.000	2798	0.40000	0.400	54.51- 94.51	74.51
Average of Peak Amounts =					0.4		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.363	8.363	0.000	8752	0.02000	0.0197	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.897	21.900	-0.003	9414	0.04000	0.0364	80.00- 120.00	100.00

Teresa Amott Jennings 8/15/2014

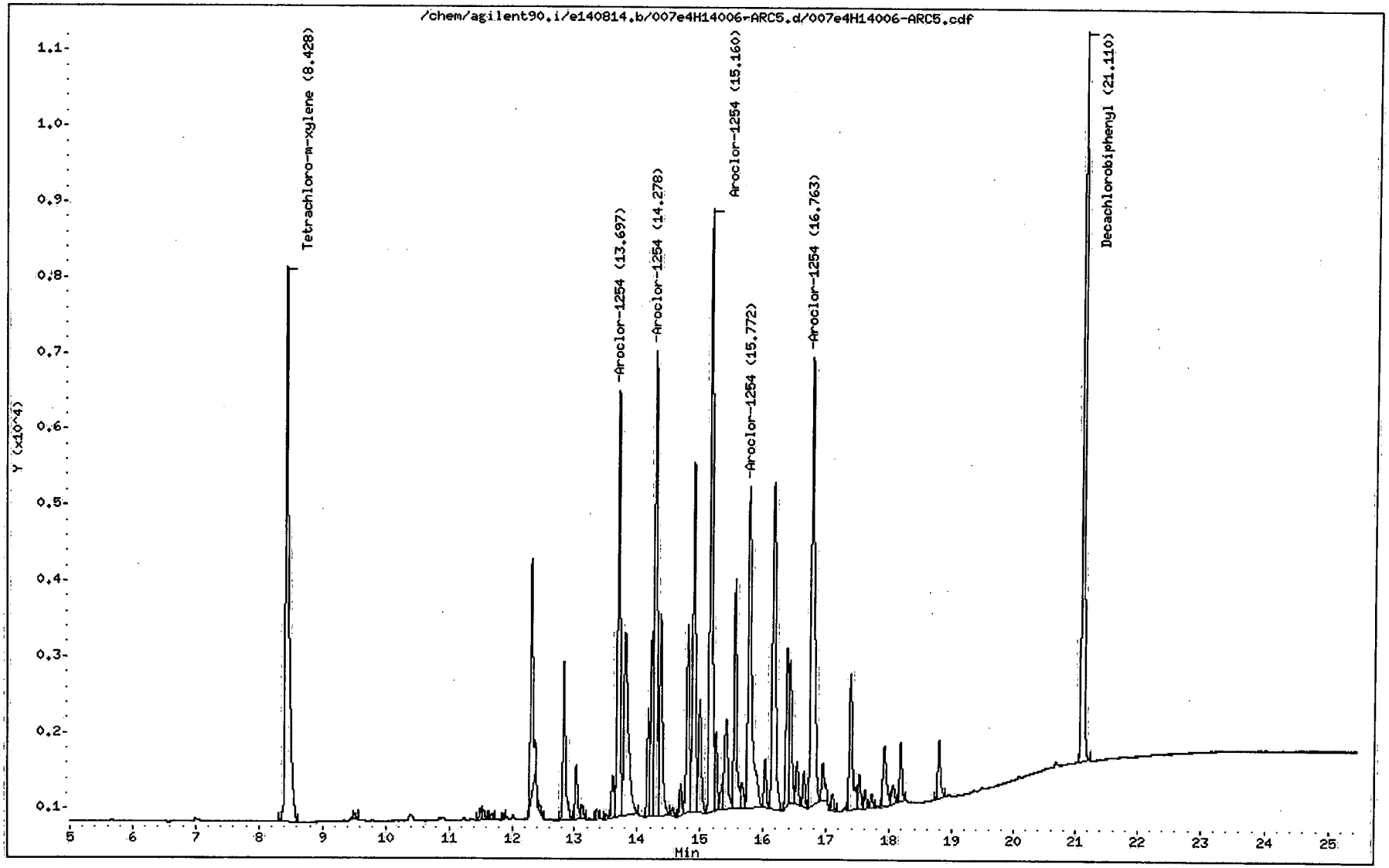
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814.b/007e4H14006-ARC5.d
Date : 14-AUG-2014 14:51
Client ID: AR12543EA
Sample Info: 4H14006-ARC5
Volume Injected (uL): 1.0
Column phase: olpest

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814.b/007e4H14006-ARC5.d
Lab Smp Id: 4H14006-ARC5 Client Smp ID: AR12543EA
Inj Date : 14-AUG-2014 14:51
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-ARC5
Misc Info : AR12543EA
Comment :
Method : /chem/agilent90.i/e140814.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 09:22 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
7 Aroclor-1254					CAS #: 11097-69-1		
13.697	13.697	0.000	15059	0.40000	0.400	80.00- 120.00	100.00(a)
14.278	14.278	0.000	18504	0.40000	0.400	102.87- 142.87	122.87
15.160	15.160	0.000	23619	0.40000	0.400	136.84- 176.84	156.84
15.772	15.772	0.000	17528	0.40000	0.400	96.39- 136.39	116.39
16.763	16.763	0.000	22161	0.40000	0.400	127.16- 167.16	147.16
Average of Peak Amounts =					0.4		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.428	8.425	0.003	25855	0.02000	0.0195	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.110	21.107	0.003	26147	0.04000	0.0377	80.00- 120.00	100.00

Teresa Arnett Jennings 8/15/2014

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

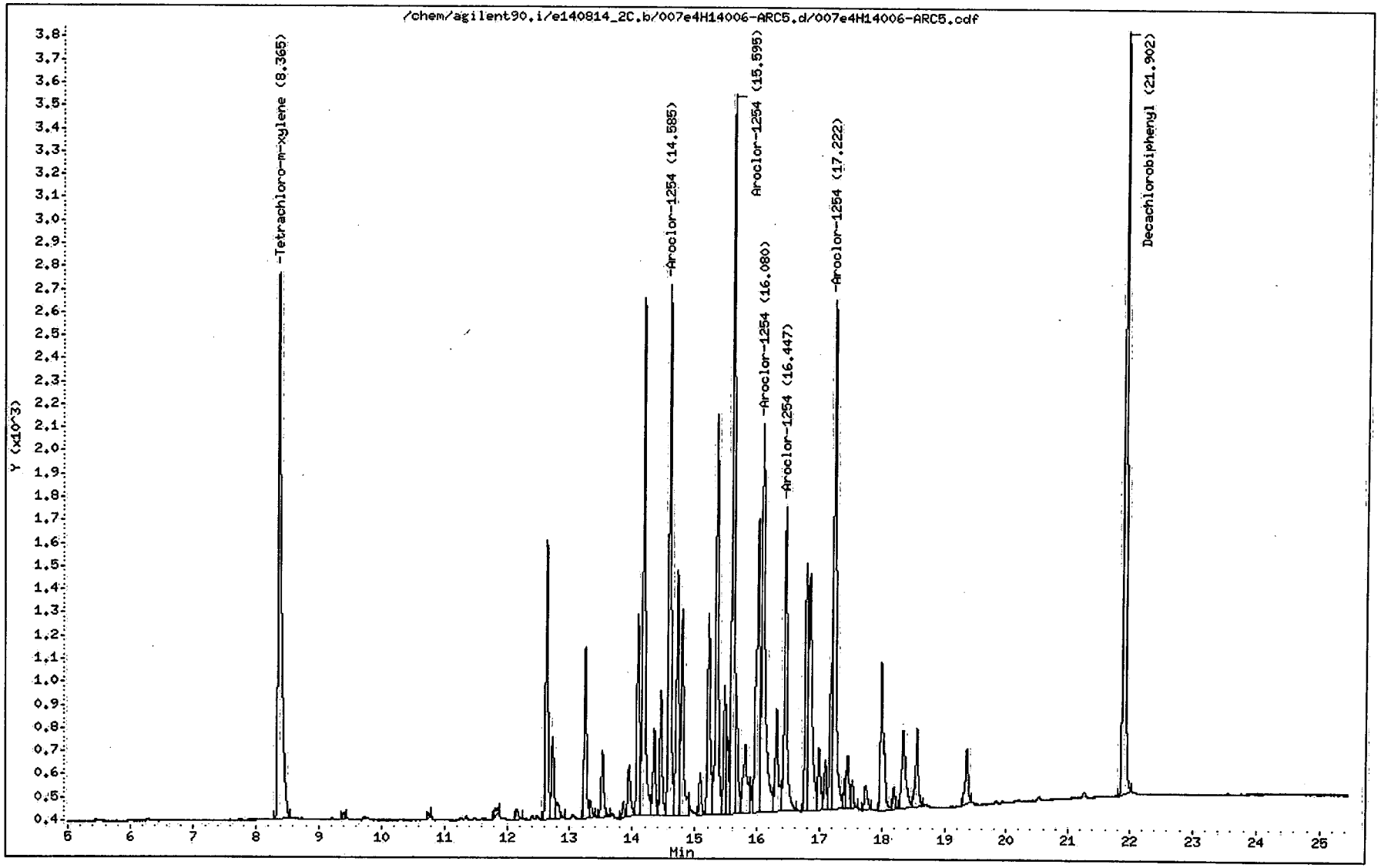
Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814_2C.b/007e4H14006-ARC5.d
Date : 14-AUG-2014 14:51
Client ID: AR12543EA
Sample Info: 4H14006-ARC5
Volume Injected (uL): 1.0
Column phase: olpest2

Page 3

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814_2C.b/007e4H14006-ARC5.d
Lab Smp Id: 4H14006-ARC5 Client Smp ID: AR12543EA
Inj Date : 14-AUG-2014 14:51
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-ARC5
Misc Info : AR12543EA
Comment :
Method : /chem/agilent90.i/e140814_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 09:26 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1254.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
7 Aroclor-1254					CAS #: 11097-69-1		
14.585	14.585	0.000	6253	0.40000	0.400	80.00- 120.00	100.00(aM)
15.595	15.595	0.000	8453	0.40000	0.400	115.18- 155.18	135.18
16.080	16.080	0.000	6685	0.40000	0.400	86.91- 126.91	106.91
16.445	16.445	0.000	4033	0.40000	0.400	44.50- 84.50	64.50
17.222	17.222	0.000	6974	0.40000	0.400	91.53- 131.53	111.53
Average of Peak Amounts =					0.4		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.365	8.363	0.002	8460	0.02000	0.0190	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.902	21.900	0.002	9567	0.04000	0.0370	80.00- 120.00	100.00

Teresa Arnett Jennings 8/15/2014

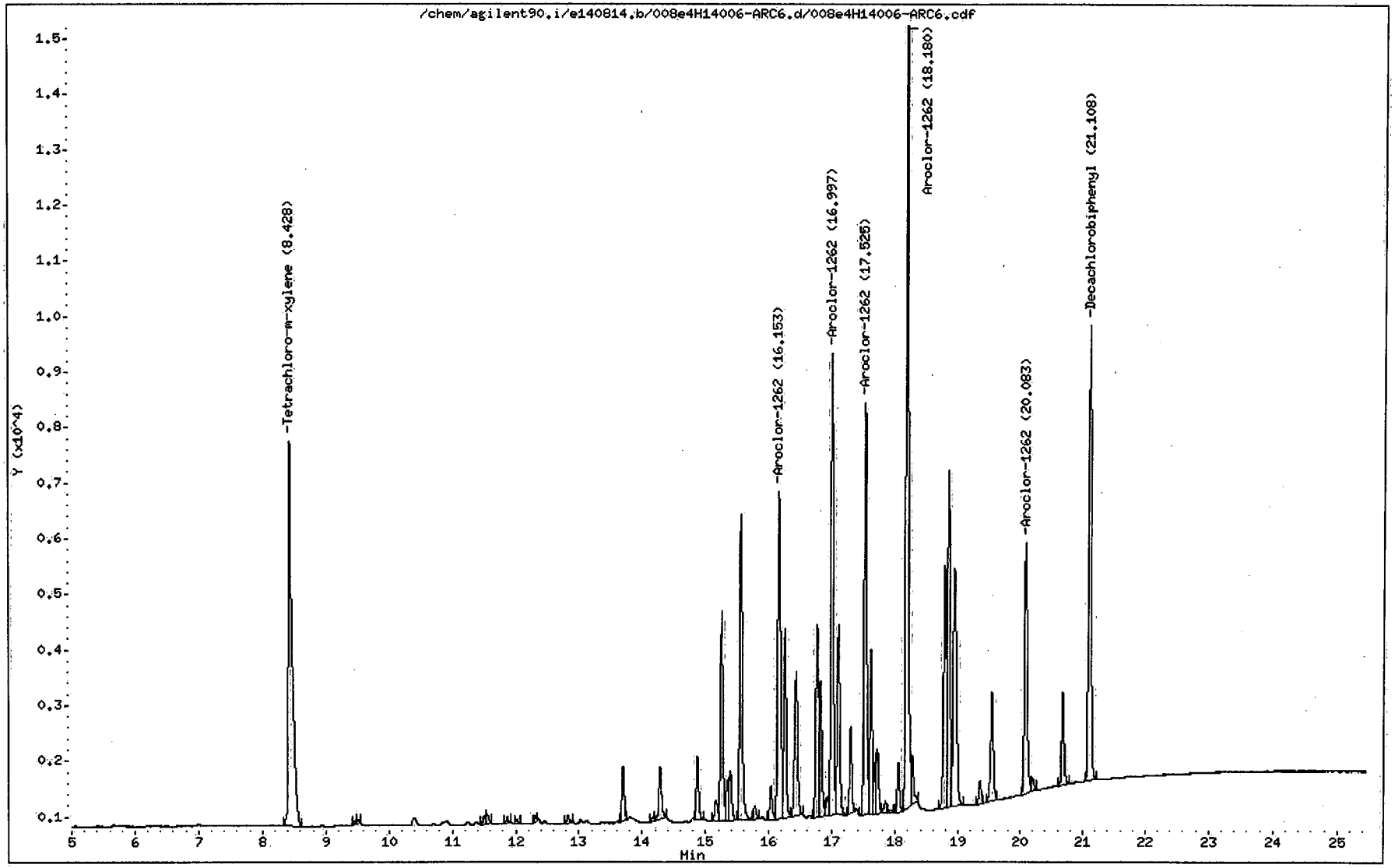
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814.b/008e4H14006-ARC6.d
Date : 14-AUG-2014 15:21
Client ID: AR12623EA
Sample Info: 4H14006-ARC6
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814.b/008e4H14006-ARC6.d
Lab Smp Id: 4H14006-ARC6 Client Smp ID: AR12623EA
Inj Date : 14-AUG-2014 15:21
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-ARC6
Misc Info : AR12623EA
Comment :
Method : /chem/agilent90.i/e140814.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 09:22 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
35 Aroclor-1262					CAS #: 37324-23-5		
16.153	16.153	0.000	18760	0.40000	0.400	80.00- 120.00	100.00(a)
16.997	16.997	0.000	21897	0.40000	0.400	96.72- 136.72	116.72
17.525	17.525	0.000	20582	0.40000	0.400	89.71- 129.71	109.71
18.180	18.180	0.000	38879	0.40000	0.400	187.24- 227.24	207.24
20.083	20.083	0.000	12787	0.40000	0.400	48.16- 88.16	68.16
Average of Peak Amounts =					0.4		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.428	8.425	0.003	27184	0.02000	0.0205	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.108	21.107	0.001	22569	0.04000	0.0325	80.00- 120.00	100.00

Teresa Amett Jennings 8/15/2014

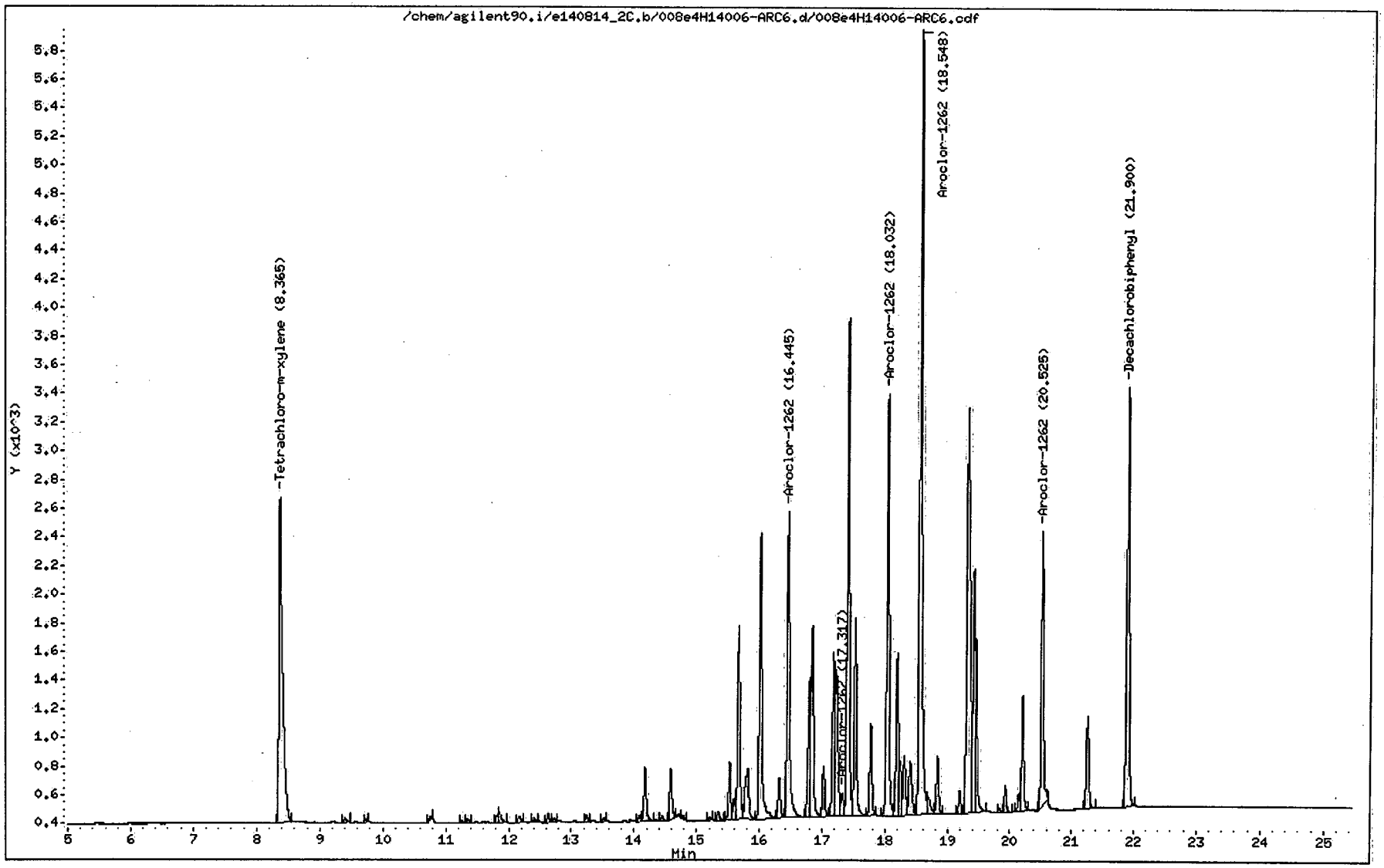
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814_2C.b/008e4H14006-ARC6.d
Date : 14-AUG-2014 15:21
Client ID: AR12623EA
Sample Info: 4H14006-ARC6
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814_2C.b/008e4H14006-ARC6.d
Lab Smp Id: 4H14006-ARC6 Client Smp ID: AR12623EA
Inj Date : 14-AUG-2014 15:21
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-ARC6
Misc Info : AR12623EA
Comment :
Method : /chem/agilent90.i/e140814_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 09:26 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1262.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
35 Aroclor-1262					CAS #: 37324-23-5		
16.445	16.445	0.000	6116	0.40000	0.400	80.00- 120.00	100.00(a)
17.317	17.317	0.000	412	0.40000	0.400	0.00- 26.74	6.74
18.032	18.032	0.000	7379	0.40000	0.400	100.65- 140.65	120.65
18.548	18.548	0.000	14965	0.40000	0.400	224.69- 264.69	244.69
20.525	20.525	0.000	4873	0.40000	0.400	59.68- 99.68	79.68
Average of Peak Amounts =					0.4		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.365	8.363	0.002	8909	0.02000	0.0201	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.900	21.900	0.000	8379	0.04000	0.0324	80.00- 120.00	100.00

Teresa Amett Jennings 8/15/2014

QC Flag Legend

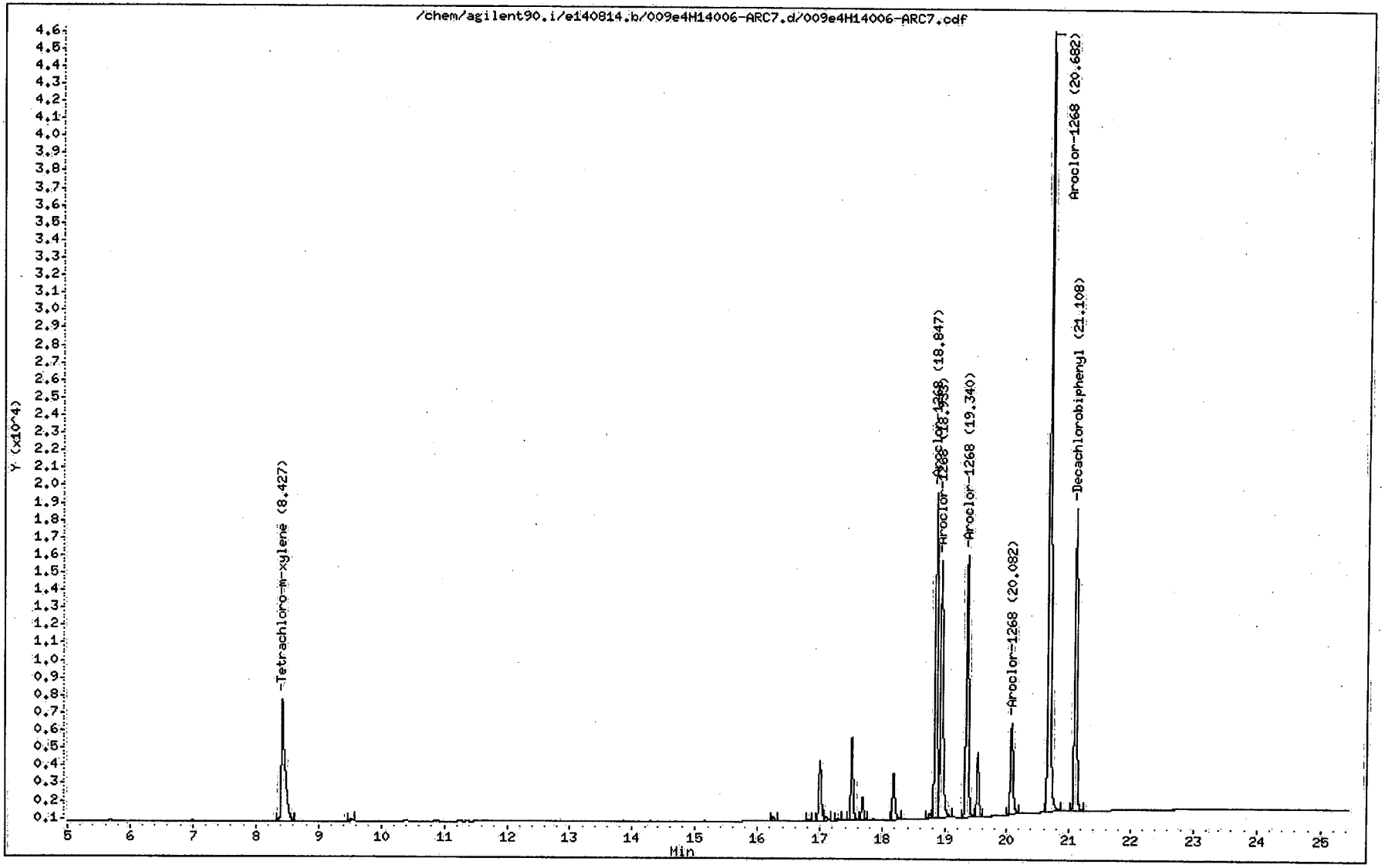
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814.b/009e4H14006-ARC7.d
Date : 14-AUG-2014 15:51
Client ID: AR12683EA
Sample Info: 4H14006-ARC7
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814.b/009e4H14006-ARC7.d
Lab Smp Id: 4H14006-ARC7 Client Smp ID: AR12683EA
Inj Date : 14-AUG-2014 15:51
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-ARC7
Misc Info : AR12683EA
Comment :
Method : /chem/agilent90.i/e140814.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 09:22 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
37 Aroclor-1268					CAS #: 11100-14-4		
18.847	18.847	0.000	46424	0.40000	0.400	80.00- 120.00	100.00(a)
18.933	18.933	0.000	43332	0.40000	0.400	73.34- 113.34	93.34
19.340	19.340	0.000	36535	0.40000	0.400	58.70- 98.70	78.70
20.082	20.082	0.000	14339	0.40000	0.400	10.89- 50.89	30.89
20.682	20.682	0.000	116902	0.40000	0.400	231.81- 271.81	251.81
Average of Peak Amounts =					0.4		
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.427	8.425	0.002	26980	0.02000	0.0203	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.108	21.107	0.001	46341	0.04000	0.0668	80.00- 120.00	100.00

Teresa Amott Jennings 8/15/2014

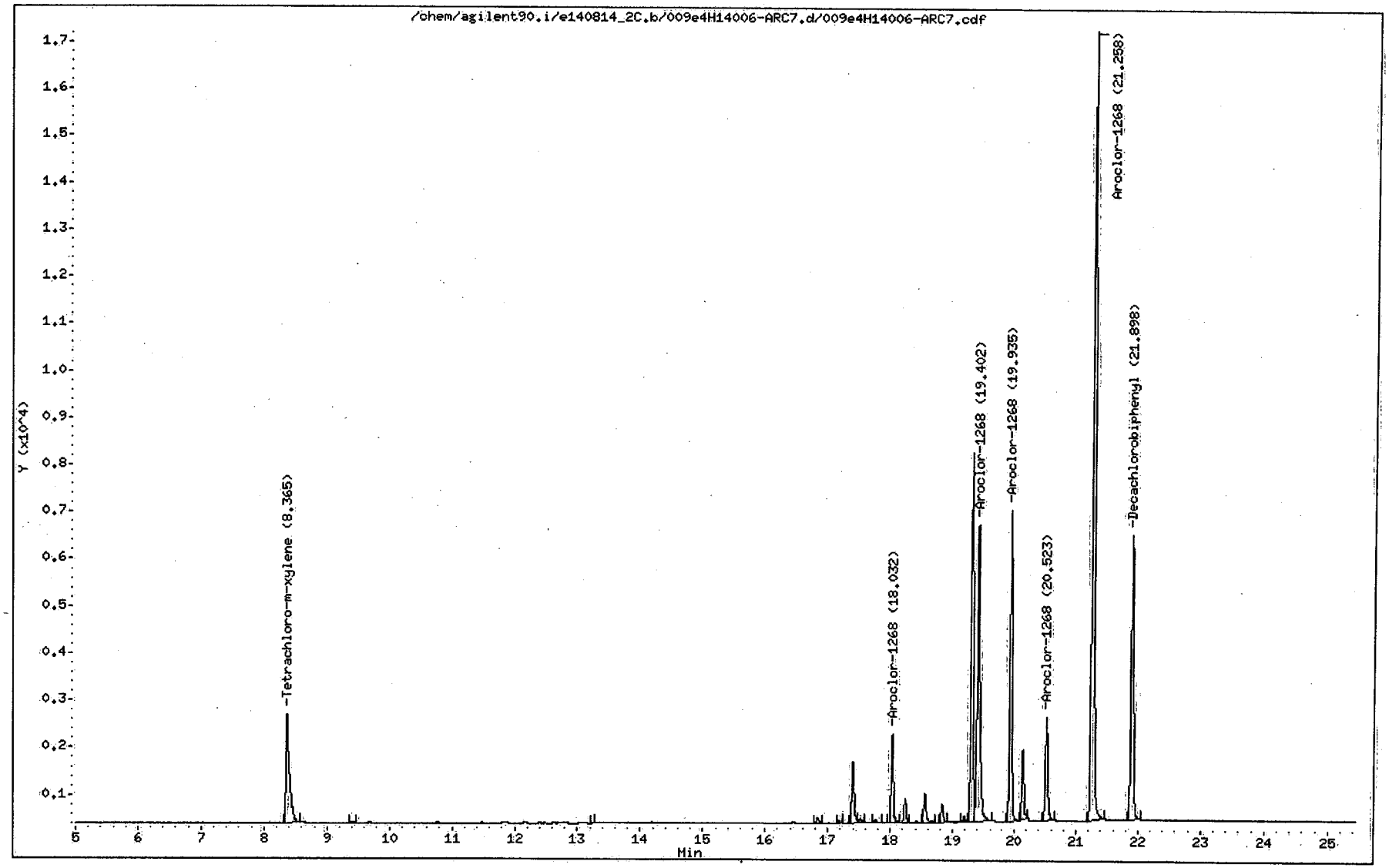
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814_2C.b/009e4H14006-ARC7.d
Date : 14-AUG-2014 15:51
Client ID: AR12683EA
Sample Info: 4H14006-ARC7
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814_2C.b/009e4H14006-ARC7.d
Lab Smp Id: 4H14006-ARC7 Client Smp ID: AR12683EA
Inj Date : 14-AUG-2014 15:51
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-ARC7
Misc Info : AR12683EA
Comment :
Method : /chem/agilent90.i/e140814_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 09:26 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1268.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.365	8.363	0.002	8880	0.02000	0.0200	80.00- 120.00	100.00
36 Aroclor-1268					CAS #: 11100-14-4		
18.032	18.032	0.000	4592	0.40000	0.400	80.00- 120.00	100.00(a)
19.402	19.402	0.000	17754	0.40000	0.400	366.63- 406.63	386.63
19.935	19.935	0.000	15181	0.40000	0.400	310.60- 350.60	330.60
20.523	20.523	0.000	5665	0.40000	0.400	103.37- 143.37	123.37
21.258	21.258	0.000	44431	0.40000	0.400	947.57- 987.57	967.57
Average of Peak Amounts =					0.4		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.898	21.900	-0.002	17332	0.04000	0.0671	80.00- 120.00	100.00

Teresa Arnett Jennings 8/15/2014

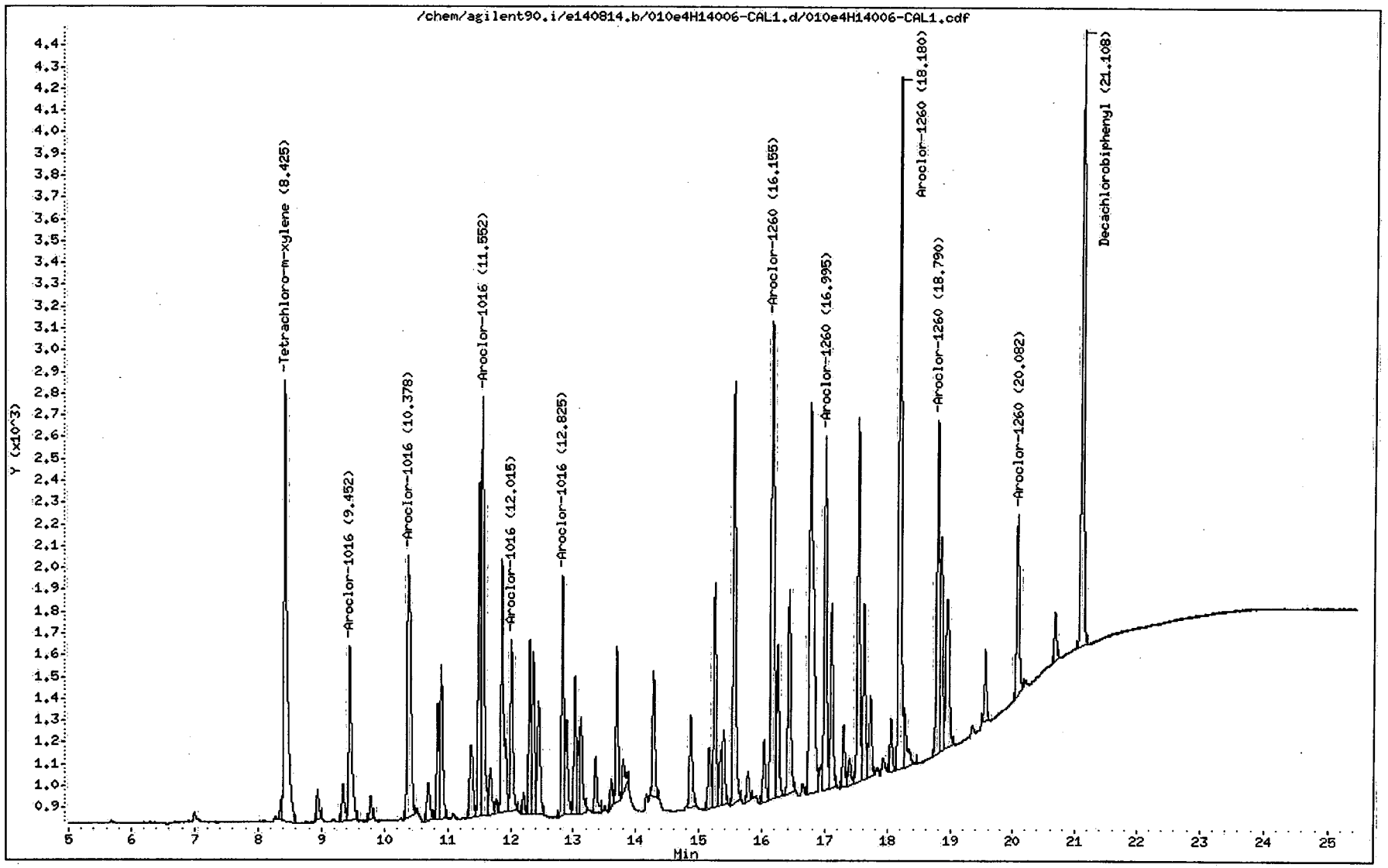
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814.b/010e4H14006-CAL1.d
Date : 14-AUG-2014 16:22
Client ID: AR16601EA
Sample Info: 4H14006-CAL1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814.b/010e4H14006-CAL1.d
Lab Smp Id: 4H14006-CAL1 Client Smp ID: AR16601EA
Inj Date : 14-AUG-2014 16:22
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-CAL1
Misc Info : AR16601EA
Comment :
Method : /chem/agilent90.i/e140814.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 09:22 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 16:22 Cal File: 010e4H14006-CAL1.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.452	9.452	0.000	2492	0.10000	0.109	80.00- 120.00	100.00(M)
10.378	10.377	0.001	4823	0.10000	0.110	173.79- 213.79	193.54
11.552	11.550	0.002	5651	0.10000	0.105	209.80- 249.80	226.77
12.015	12.013	0.002	2128	0.10000	0.101	76.20- 116.20	85.39
12.825	12.823	0.002	2862	0.10000	0.109	94.17- 134.17	114.85
Average of Peak Amounts =					0.107		
8 Aroclor-1260					CAS #: 11096-82-5		
16.155	16.153	0.002	7625	0.10000	0.112	80.00- 120.00	100.00(M)
16.995	16.993	0.002	4441	0.10000	0.117	37.68- 77.68	58.24
18.180	18.178	0.002	9322	0.10000	0.110	102.64- 142.64	122.26
18.790	18.788	0.002	4374	0.10000	0.110	35.68- 75.68	57.36

Teresa Arnett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
20.082	20.082	0.000	2268	0.10000	0.109	9.68- 49.68	29.74
		Average of Peak Amounts =			0.111		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.108	21.107	0.001	7716	0.01000	0.0111	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.425	8.425	0.000	6739	0.00500	0.00508	80.00- 120.00	100.00

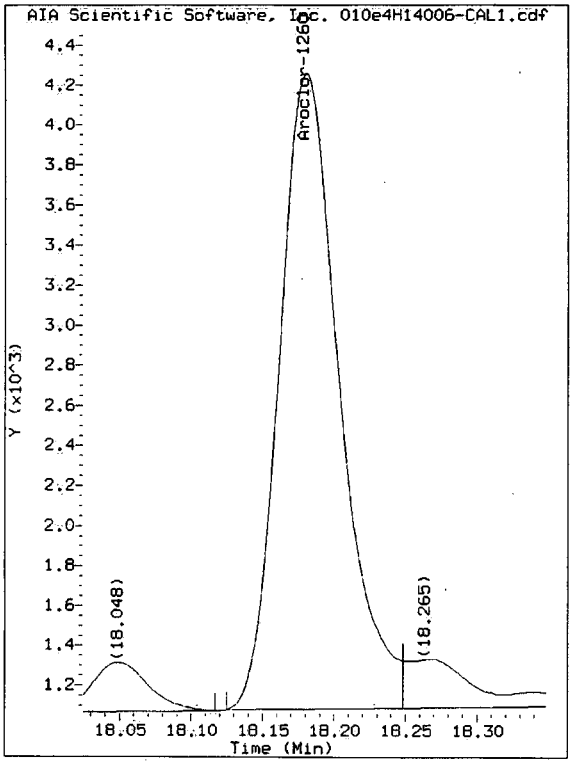
QC Flag Legend

M - Compound response manually integrated.

Teresa Amett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814.b/010e4H14006-CAL1.d Page 1
Report Date 08/15/2014 13:24

Manually Integrated Peaks

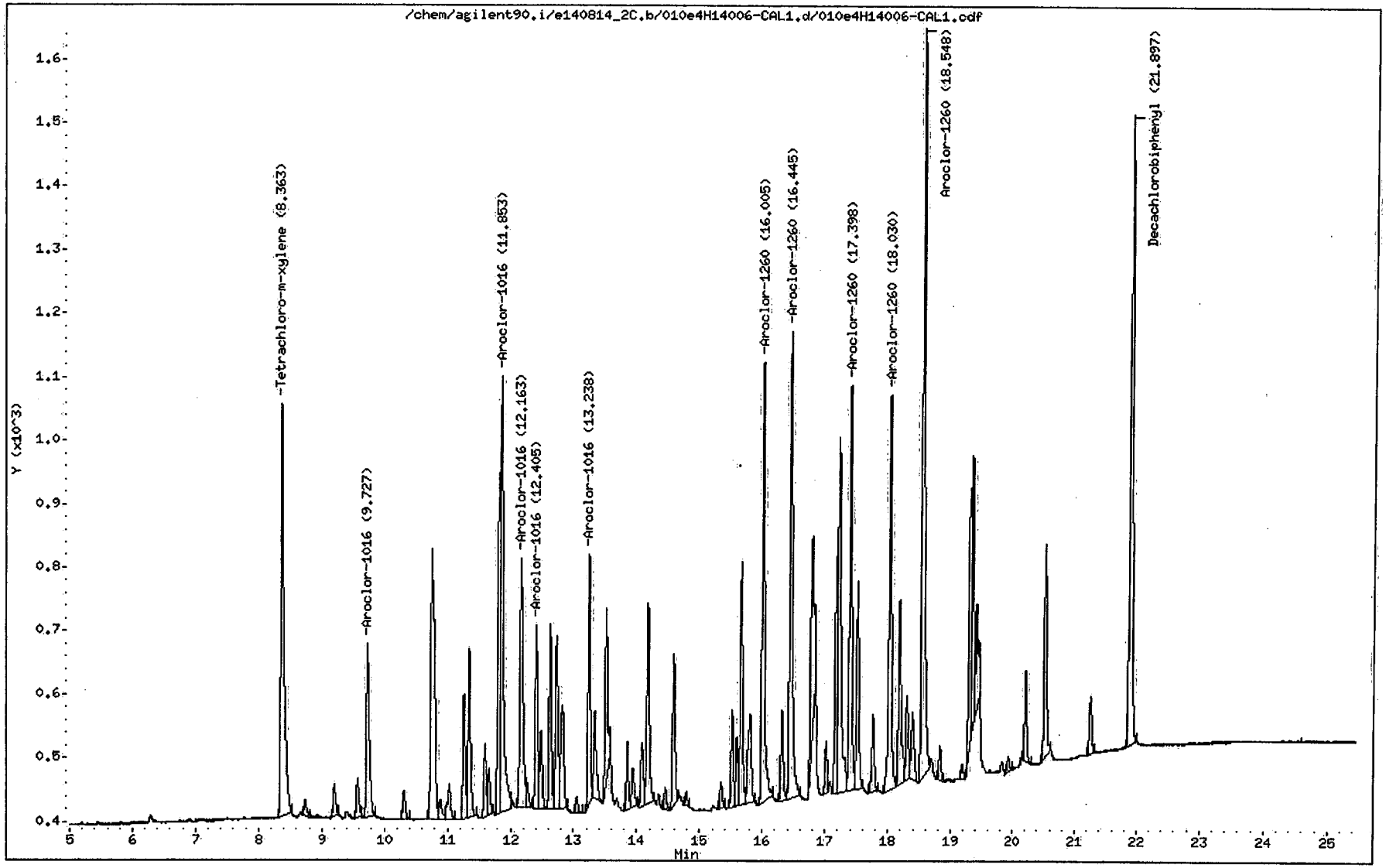


Start: 18.13 Stop: 18.25

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814_2C.b/010e4H14006-CAL1.d
Date : 14-AUG-2014 16:22
Client ID: AR16601EA
Sample Info: 4H14006-CAL1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814_2C.b/010e4H14006-CAL1.d
Lab Smp Id: 4H14006-CAL1 Client Smp ID: AR16601EA
Inj Date : 14-AUG-2014 16:22
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-CAL1
Misc Info : AR16601EA
Comment :
Method : /chem/agilent90.i/e140814_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 09:26 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 16:22 Cal File: 010e4H14006-CAL1.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.727	9.728	-0.001	862	0.10000	0.109	80.00- 120.00	100.00(aM)
11.852	11.855	-0.003	2237	0.10000	0.104	258.94- 298.94	259.51
12.163	12.165	-0.002	1282	0.10000	0.107	134.90- 174.90	148.72
12.405	12.407	-0.002	749	0.10000	0.100	72.50- 112.50	86.89
13.238	13.238	0.000	968	0.10000	0.102	102.42- 142.42	112.30
Average of Peak Amounts =					0.104		
8 Aroclor-1260					CAS #: 11096-82-5		
16.005	16.007	-0.002	1923	0.10000	0.112	80.00- 120.00	100.00(a)
16.445	16.445	0.000	2200	0.10000	0.108	97.56- 137.56	114.40
17.398	17.398	0.000	1667	0.10000	0.108	70.08- 110.08	86.69
18.030	18.030	0.000	1691	0.10000	0.108	72.00- 112.00	87.94

Teresa Arnett Jennings 8/15/2014

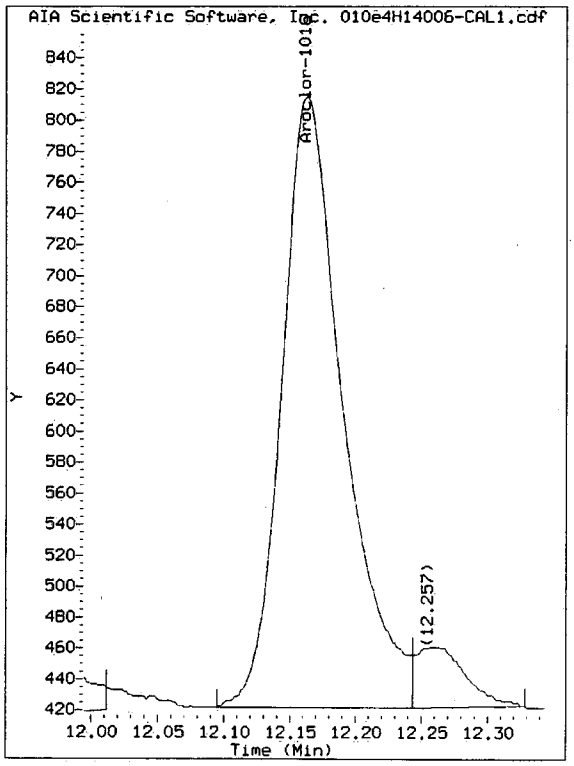
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
18.548	18.548	0.000	3374	0.10000	0.101	178.37- 218.37	175.46
Average of Peak Amounts =					0.107		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.897	21.900	-0.003	2863	0.01000	0.0111	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.363	8.363	0.000	2204	0.00500	0.00496	80.00- 120.00	100.00

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Teresa Arnett Jennings 8/15/2014

Manually Integrated Peaks

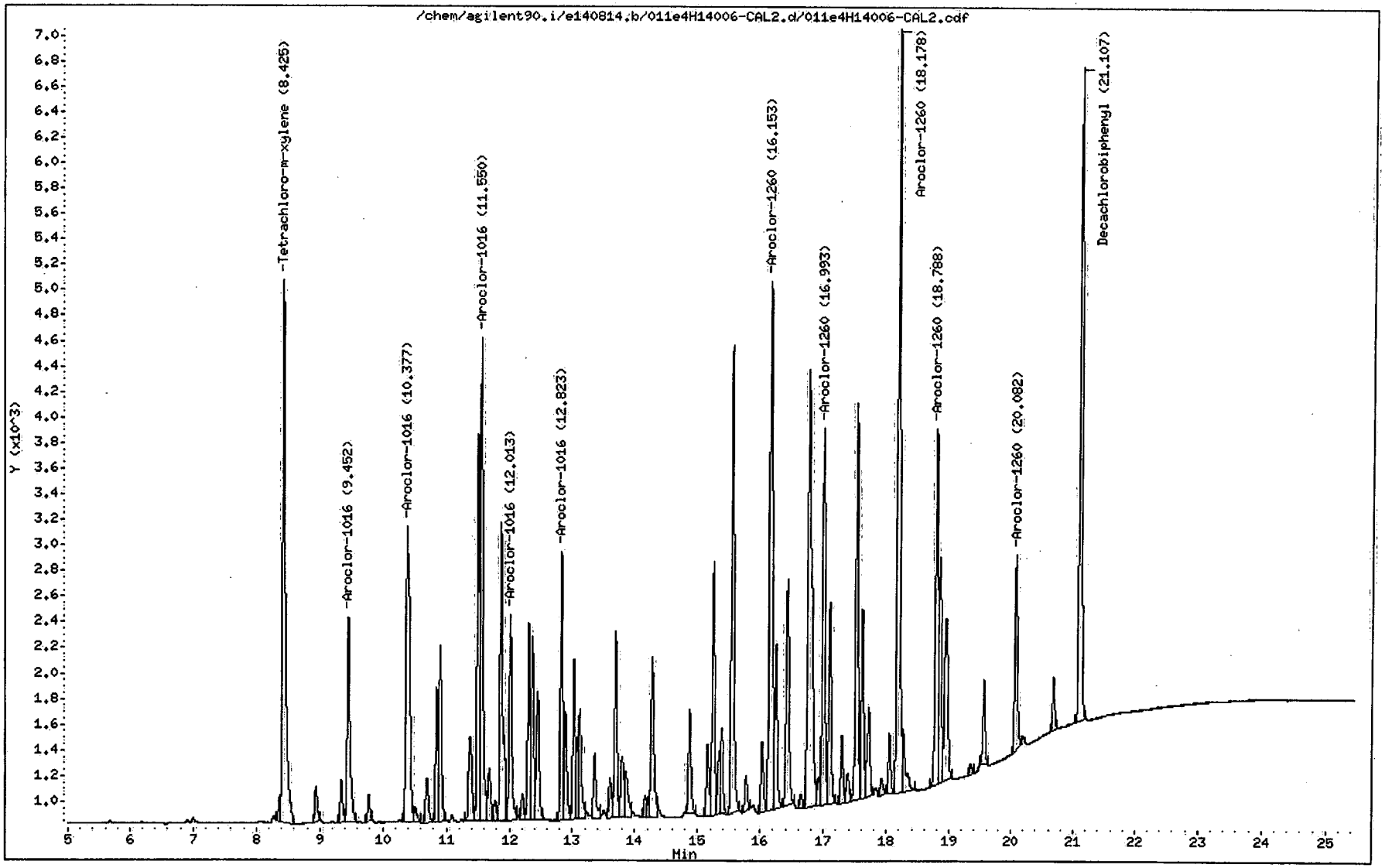


Start: 12.10 Stop: 12.24

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814.b/011e4H14006-CAL2.d
Date : 14-AUG-2014 16:52
Client ID: AR16602EA
Sample Info: 4H14006-CAL2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814.b/011e4H14006-CAL2.d
Lab Smp Id: 4H14006-CAL2 Client Smp ID: AR16602EA
Inj Date : 14-AUG-2014 16:52
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-CAL2
Misc Info : AR16602EA
Comment :
Method : /chem/agilent90.i/e140814.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 09:22 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 16:52 Cal File: 011e4H14006-CAL2.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.452	9.452	0.000	4786	0.20000	0.209	80.00- 120.00	100.00(M)
10.377	10.377	0.000	9275	0.20000	0.211	173.79- 213.79	193.79
11.550	11.550	0.000	10998	0.20000	0.200	209.80- 249.80	229.80
12.013	12.013	0.000	4604	0.20000	0.211	76.20- 116.20	96.20
12.823	12.823	0.000	5464	0.20000	0.208	94.17- 134.17	114.17
Average of Peak Amounts =					0.208		
8 Aroclor-1260					CAS #: 11096-82-5		
16.153	16.153	0.000	14048	0.20000	0.206	80.00- 120.00	100.00(M)
16.993	16.993	0.000	8103	0.20000	0.213	37.68- 77.68	57.68
18.178	18.178	0.000	17228	0.20000	0.202	102.64- 142.64	122.64
18.788	18.788	0.000	7822	0.20000	0.196	35.68- 75.68	55.68

Teresa Arnett Jennings 8/15/2014

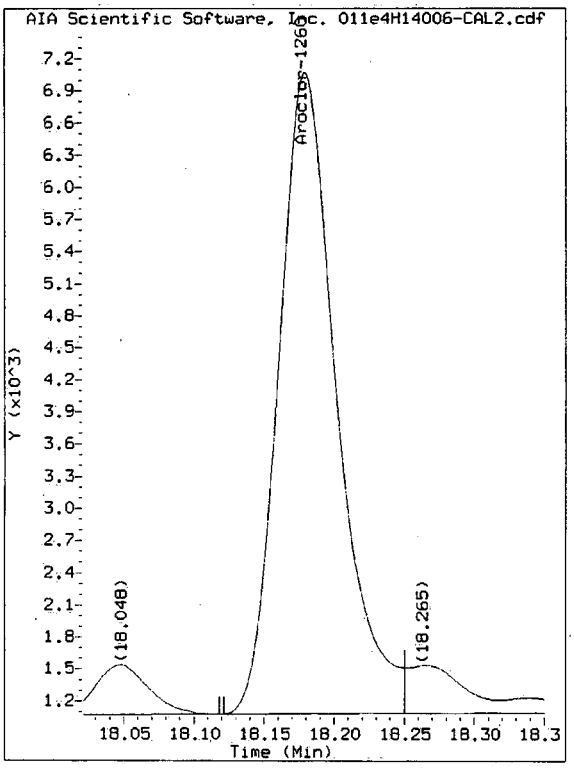
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
20.082	20.082	0.000	4169	0.20000	0.200	9.68- 49.68	29.68
		Average of Peak Amounts =			0.203		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.107	21.107	0.000	14045	0.02000	0.0203	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.425	8.425	0.000	13135	0.01000	0.00990	80.00- 120.00	100.00

QC Flag Legend

M - Compound response manually integrated.

Teresa Arnett Jennings 8/15/2014

Manually Integrated Peaks



Start: 18.12 Stop: 18.25

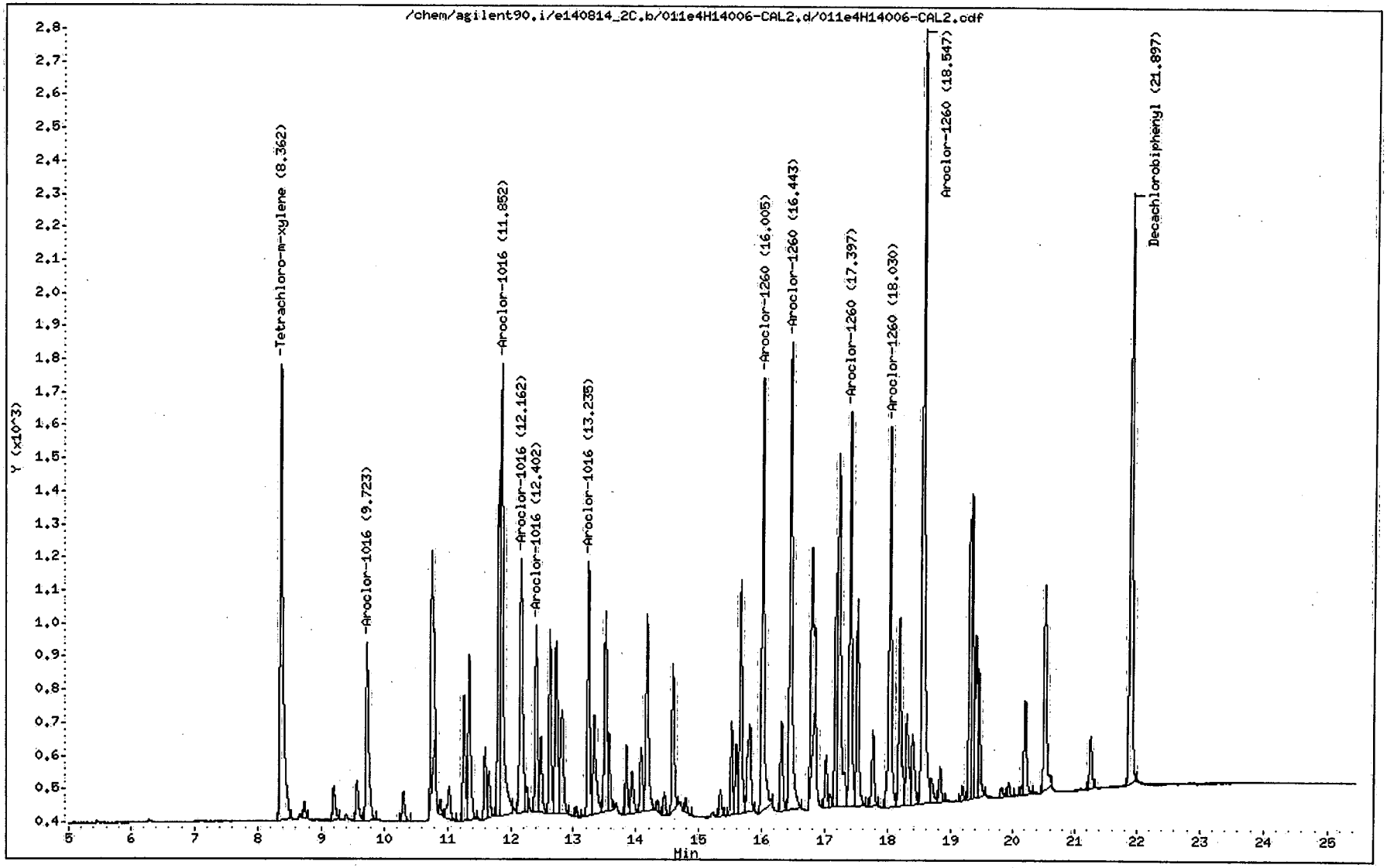
Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814_2C.b/011e4H14006-CAL2.d
Date : 14-AUG-2014 16:52
Client ID: AR16602EA
Sample Info: 4H14006-CAL2
Volume Injected (uL): 1.0
Column phase: clpest2

Page 3

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814_2C.b/011e4H14006-CAL2.d
Lab Smp Id: 4H14006-CAL2 Client Smp ID: AR16602EA
Inj Date : 14-AUG-2014 16:52
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-CAL2
Misc Info : AR16602EA
Comment :
Method : /chem/agilent90.i/e140814_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 09:26 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 16:52 Cal File: 011e4H14006-CAL2.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.723	9.728	-0.005	1642	0.20000	0.208	80.00- 120.00	100.00(aM)
11.852	11.855	-0.003	4239	0.20000	0.195	258.94- 298.94	258.16
12.162	12.165	-0.003	2457	0.20000	0.202	134.90- 174.90	149.63
12.402	12.407	-0.005	1459	0.20000	0.195	72.50- 112.50	88.86
13.235	13.238	-0.003	1961	0.20000	0.206	102.42- 142.42	119.43
Average of Peak Amounts =					0.201		
8 Aroclor-1260					CAS #: 11096-82-5		
16.005	16.007	-0.002	3516	0.20000	0.204	80.00- 120.00	100.00(a)
16.443	16.445	-0.002	4102	0.20000	0.201	97.56- 137.56	116.67
17.397	17.398	-0.001	3134	0.20000	0.204	70.08- 110.08	89.14
18.030	18.030	0.000	3201	0.20000	0.204	72.00- 112.00	91.04

Teresa Amitt Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
18.547	18.548	-0.001	6666	0.20000	0.199	178.37- 218.37	189.59
Average of Peak Amounts =					0.202		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.897	21.900	-0.003	5193	0.02000	0.0201	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.362	8.363	-0.001	4321	0.01000	0.00973	80.00- 120.00	100.00

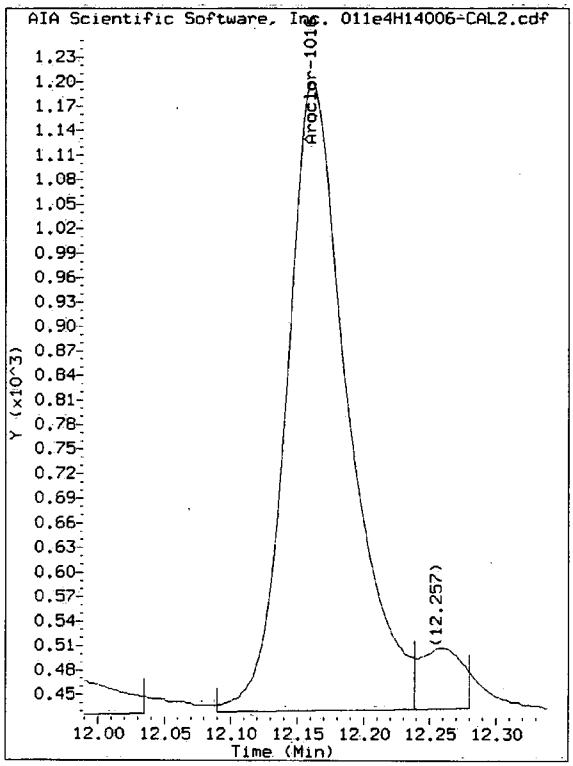
QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814_2C.b/011e4H14006-CAL2.d Page 1
Report Date 08/15/2014 13:25

Manually Integrated Peaks

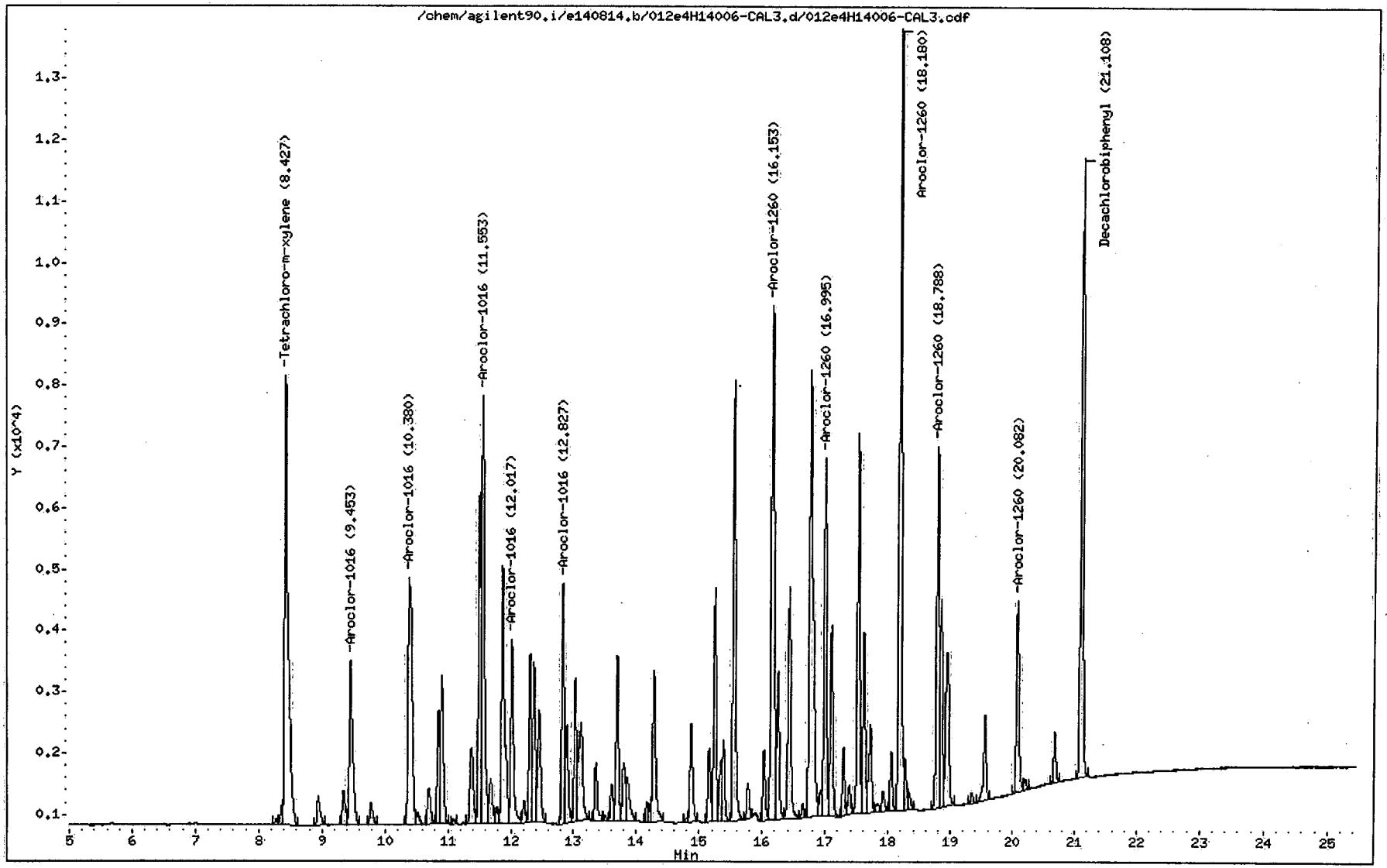


Start: 12.09 Stop: 12.24

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814.b/012e4H14006-CAL3.d
Date : 14-AUG-2014 17:23
Client ID: AR16603EA
Sample Info: 4H14006-CAL3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814.b/012e4H14006-CAL3.d
Lab Smp Id: 4H14006-CAL3 Client Smp ID: AR16603EA
Inj Date : 14-AUG-2014 17:23
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-CAL3
Misc Info : AR16603EA
Comment :
Method : /chem/agilent90.i/e140814.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 09:22 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.453	9.452	0.001	9318	0.40000	0.400	80.00- 120.00	100.00
10.380	10.377	0.003	17831	0.40000	0.400	173.79- 213.79	191.35
11.553	11.550	0.003	22218	0.40000	0.400	209.80- 249.80	238.43
12.017	12.013	0.004	8998	0.40000	0.400	76.20- 116.20	96.57
12.827	12.823	0.004	10639	0.40000	0.400	94.17- 134.17	114.18
Average of Peak Amounts =					0.4		
8 Aroclor-1260					CAS #: 11096-82-5		
16.153	16.153	0.000	27832	0.40000	0.400	80.00- 120.00	100.00
16.995	16.993	0.002	15540	0.40000	0.400	37.68- 77.68	55.84
18.180	18.178	0.002	34872	0.40000	0.400	102.64- 142.64	125.29
18.788	18.788	0.000	16411	0.40000	0.400	35.68- 75.68	58.96

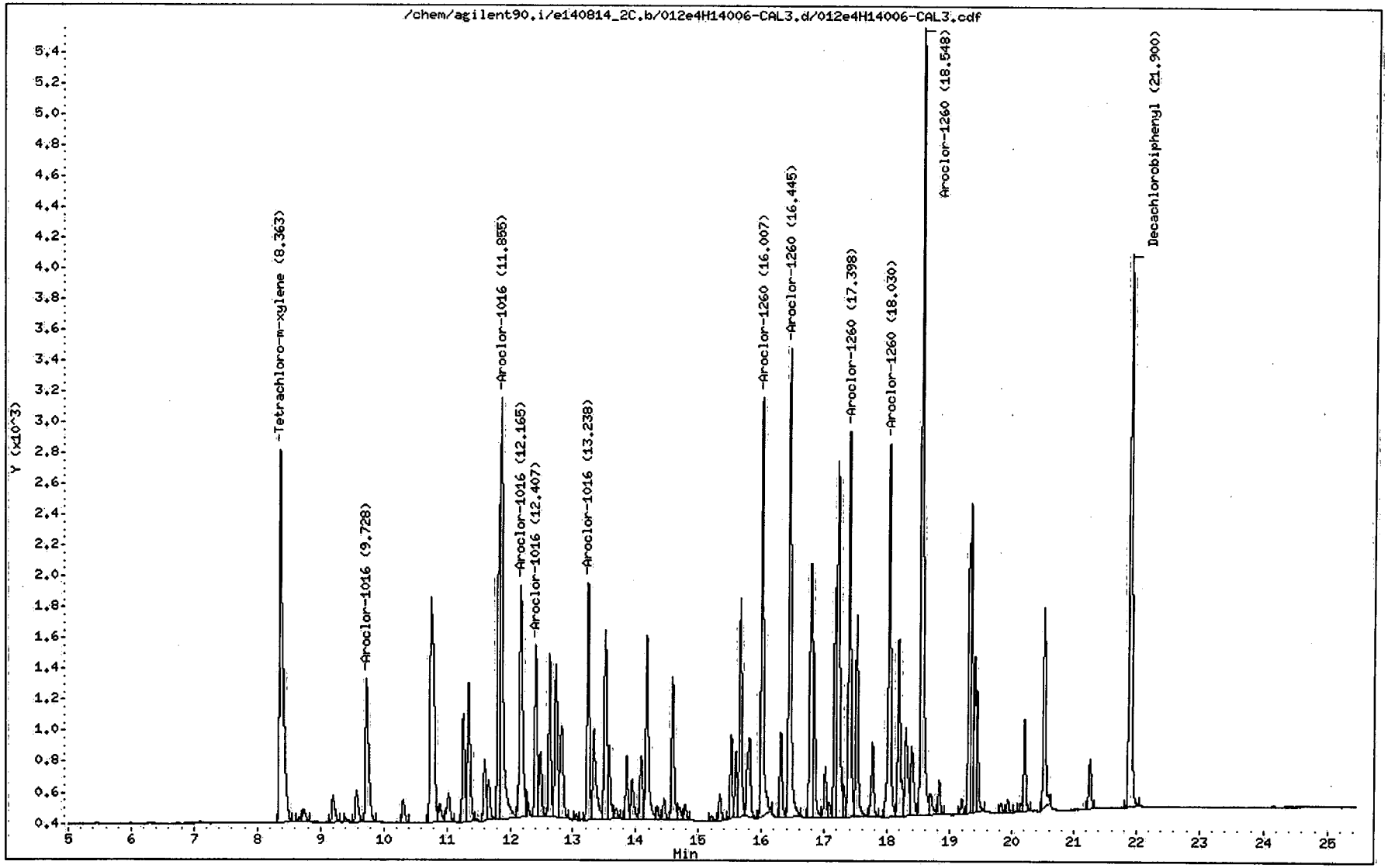
Teresa Arnett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
20.082	20.082	0.000	8706	0.40000	0.400	9.68- 49.68	31.28
Average of Peak Amounts =					0.4		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.108	21.107	0.001	27680	0.04000	0.0400	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.427	8.425	0.002	26697	0.02000	0.0200	80.00- 120.00	100.00

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814_2C.b/012e4H14006-CAL3.d
Date : 14-AUG-2014 17:23
Client ID: AR16603EA
Sample Info: 4H14006-CAL3
Volume Injected (uL): 1.0
Column phase: olpest2

Instrument: agilent90.i
Operator: System
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814_2C.b/012e4H14006-CAL3.d
Lab Smp Id: 4H14006-CAL3 Client Smp ID: AR16603EA
Inj Date : 14-AUG-2014 17:23
Operator : System Inst ID: agilent90.i
Smp Info : 4H14006-CAL3
Misc Info : AR16603EA
Comment :
Method : /chem/agilent90.i/e140814_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 09:26 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.728	9.728	0.000	3162	0.40000	0.400	80.00- 120.00	100.00(aM)
11.855	11.855	0.000	8820	0.40000	0.402	258.94- 298.94	278.94
12.165	12.165	0.000	4898	0.40000	0.396	134.90- 174.90	154.90
12.407	12.407	0.000	2925	0.40000	0.391	72.50- 112.50	92.50
13.238	13.238	0.000	3871	0.40000	0.407	102.42- 142.42	122.42
Average of Peak Amounts =					0.399		
8 Aroclor-1260					CAS #: 11096-82-5		
16.007	16.007	0.000	7003	0.40000	0.406	80.00- 120.00	100.00(a)
16.445	16.445	0.000	8233	0.40000	0.404	97.56- 137.56	117.56
17.398	17.398	0.000	6308	0.40000	0.410	70.08- 110.08	90.08
18.030	18.030	0.000	6443	0.40000	0.410	72.00- 112.00	92.00

Teresa Amott Jennings 8/15/2014

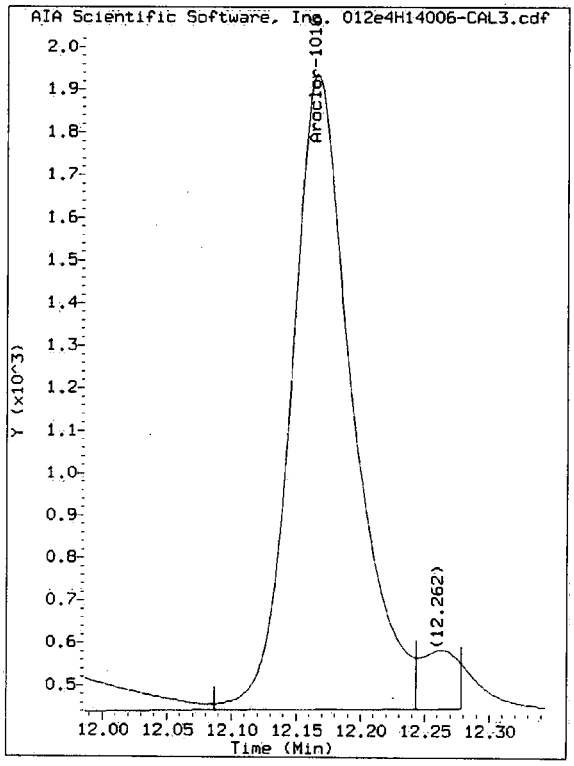
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
18.548	18.548	0.000	13892	0.40000	0.414	178.37- 218.37	198.37
Average of Peak Amounts =					0.409		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.900	21.900	0.000	10375	0.04000	0.0401	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.363	8.363	0.000	8858	0.02000	0.0199	80.00- 120.00	100.00

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Teresa Arnett Jennings 8/15/2014

Manually Integrated Peaks

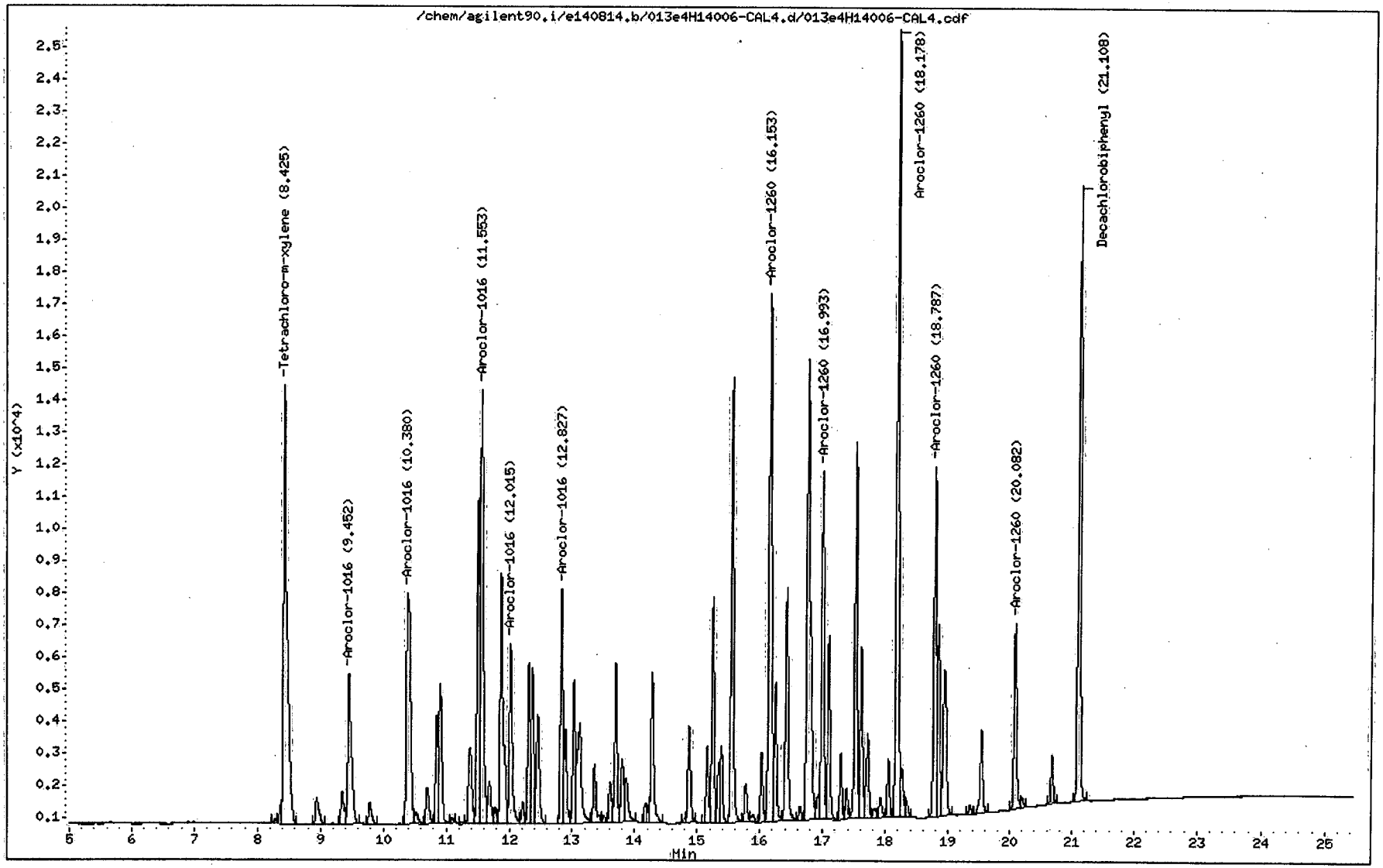


Start: 12.09 Stop: 12.24

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814.b/013e4H14006-CAL4.d
Date : 14-AUG-2014 17:53
Client ID: AR16604EA
Sample Info: 4H14006-CAL4
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814.b/013e4H14006-CAL4.d
Lab Smp Id: 4H14006-CAL4 Client Smp ID: AR16604EA
Inj Date : 14-AUG-2014 17:53
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-CAL4
Misc Info : AR16604EA
Comment :
Method : /chem/agilent90.i/e140814.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 09:22 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:53 Cal File: 013e4H14006-CAL4.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.452	9.452	0.000	17578	0.80000	0.747	80.00- 120.00	100.00
10.380	10.377	0.003	33238	0.80000	0.736	173.79- 213.79	189.09
11.553	11.550	0.003	43358	0.80000	0.807	209.80- 249.80	246.66
12.015	12.013	0.002	17352	0.80000	0.818	76.20- 116.20	98.72
12.827	12.823	0.004	20122	0.80000	0.749	94.17- 134.17	114.47
Average of Peak Amounts =					0.771		
8 Aroclor-1260					CAS #: 11096-82-5		
16.153	16.153	0.000	51738	0.80000	0.737	80.00- 120.00	100.00
16.993	16.993	0.000	28040	0.80000	0.729	37.68- 77.68	54.20
18.178	18.178	0.000	64636	0.80000	0.754	102.64- 142.64	124.93
18.787	18.788	-0.001	30270	0.80000	0.749	35.68- 75.68	58.51

Teresa Arnett Jennings 8/15/2014

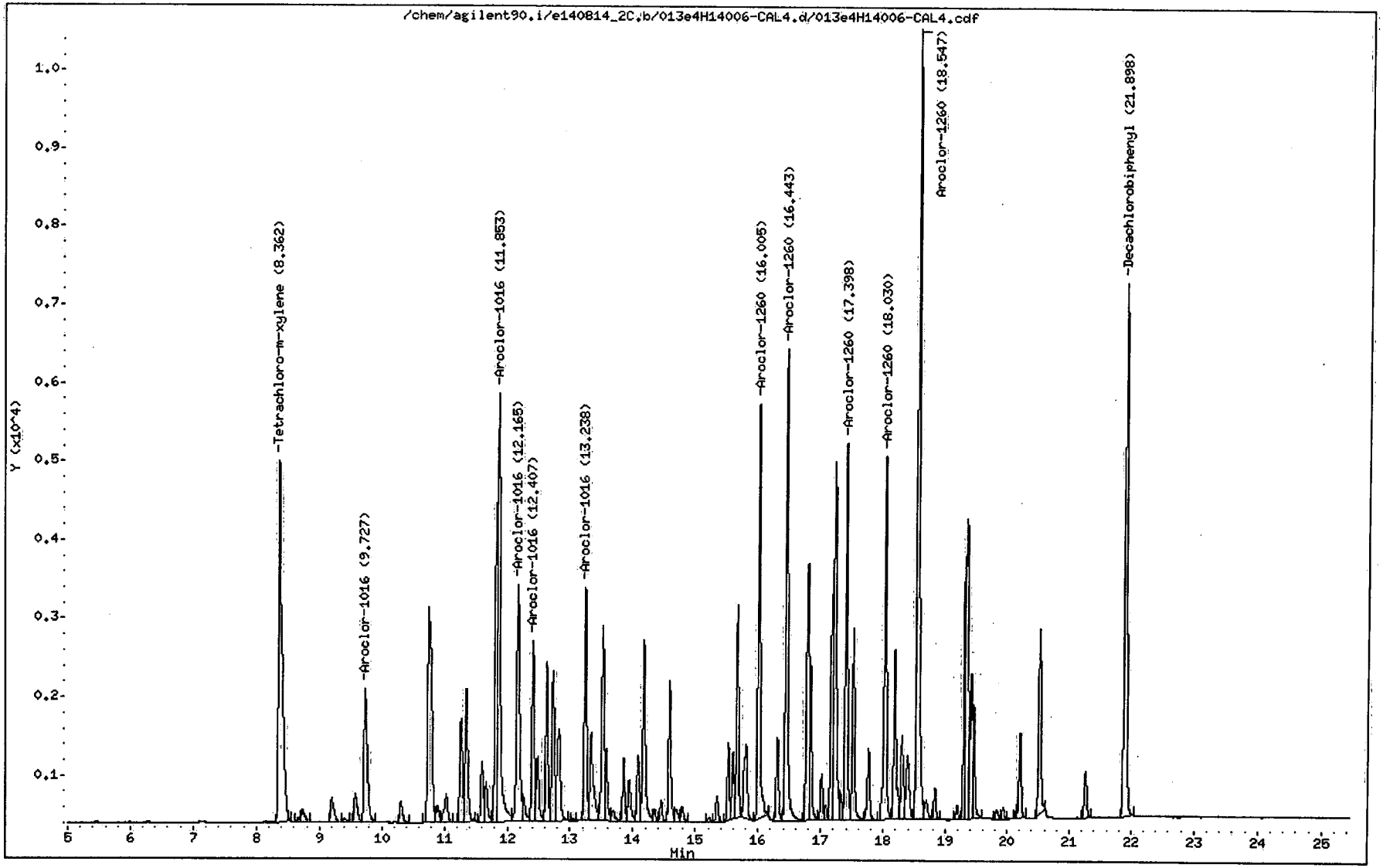
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
20.082	20.082	0.000	15714	0.80000	0.740	9.68- 49.68	30.37
Average of Peak Amounts =					0.742		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.108	21.107	0.001	51485	0.08000	0.0733	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.425	8.425	0.000	52845	0.04000	0.0398	80.00- 120.00	100.00

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814_2C.b/013e4H14006-CAL4.d
Date : 14-AUG-2014 17:53
Client ID: AR16604EA
Sample Info: 4H14006-CAL4
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814_2C.b/013e4H14006-CAL4.d
Lab Smp Id: 4H14006-CAL4 Client Smp ID: AR16604EA
Inj Date : 14-AUG-2014 17:53
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-CAL4
Misc Info : AR16604EA
Comment :
Method : /chem/agilent90.i/e140814_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 09:26 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:53 Cal File: 013e4H14006-CAL4.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.727	9.728	-0.001	6090	0.80000	0.753	80.00- 120.00	100.00(a)
11.853	11.855	-0.002	17923	0.80000	0.847	258.94- 298.94	294.31
12.165	12.165	0.000	9930	0.80000	0.836	134.90- 174.90	163.06
12.407	12.407	0.000	6112	0.80000	0.822	72.50- 112.50	100.38
13.238	13.238	0.000	7451	0.80000	0.775	102.42- 142.42	122.35
Average of Peak Amounts =					0.807		
8 Aroclor-1260					CAS #: 11096-82-5		
16.005	16.007	-0.002	13237	0.80000	0.747	80.00- 120.00	100.00(a)
16.443	16.445	-0.002	15814	0.80000	0.763	97.56- 137.56	119.47
17.398	17.398	0.000	11766	0.80000	0.749	70.08- 110.08	88.89
18.030	18.030	0.000	12047	0.80000	0.752	72.00- 112.00	91.01

Teresa Amett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
18.547	18.548	-0.001	26288	0.80000	0.781	178.37- 218.37	198.59
Average of Peak Amounts =					0.759		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.898	21.900	-0.002	19298	0.08000	0.0738	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.362	8.363	-0.001	17913	0.04000	0.0406	80.00- 120.00	100.00

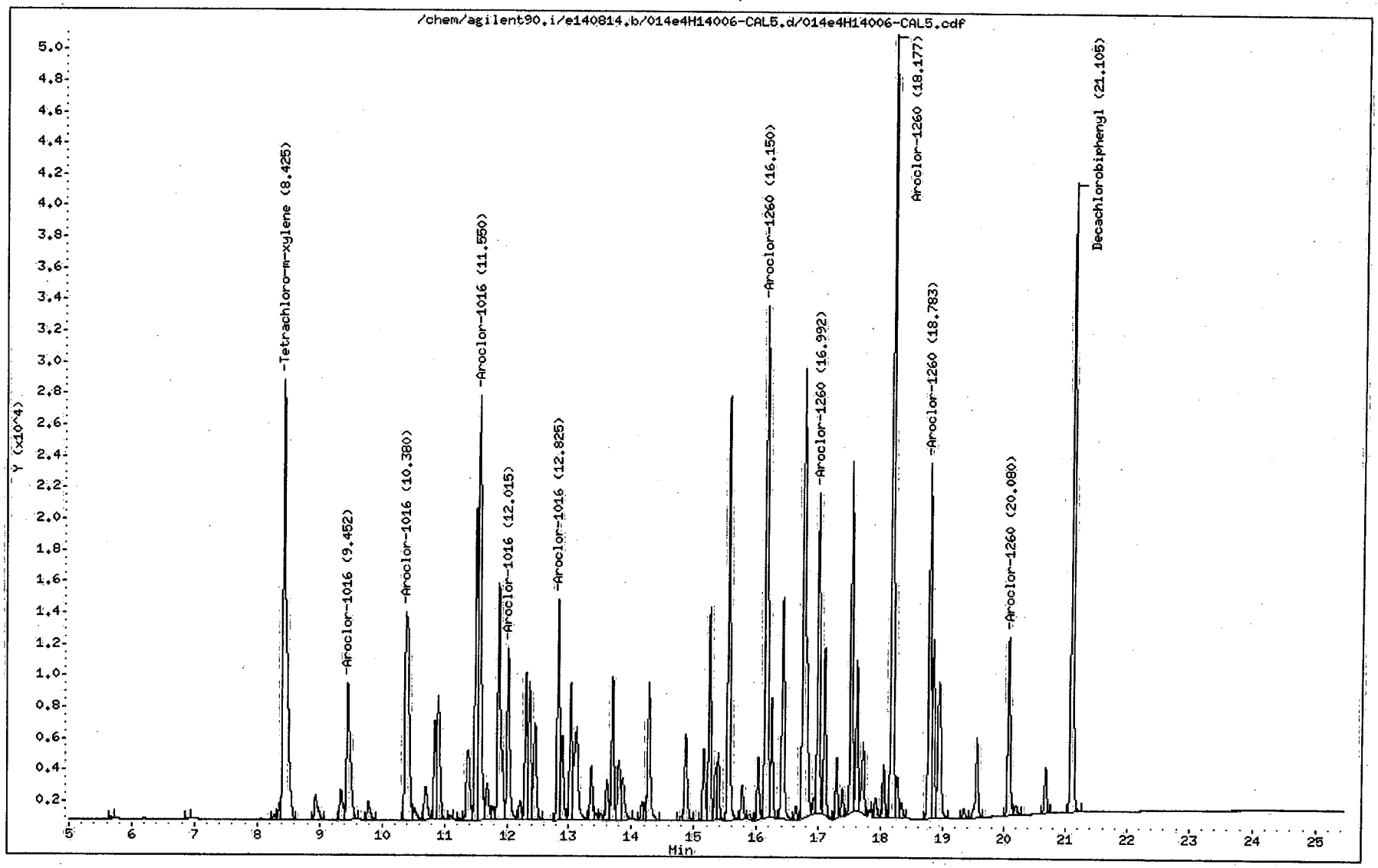
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814.b/014e4H14006-CAL5.d
Date : 14-AUG-2014 18:23
Client ID: AR16605EA
Sample Info: 4H14006-CAL5
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814.b/014e4H14006-CAL5.d
Lab Smp Id: 4H14006-CAL5 Client Smp ID: AR16605EA
Inj Date : 14-AUG-2014 18:23
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-CAL5
Misc Info : AR16605EA
Comment :
Method : /chem/agilent90.i/e140814.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 09:22 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 18:23 Cal File: 014e4H14006-CAL5.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.452	9.452	0.000	32409	1.60000	1.42	80.00- 120.00	100.00(A)
10.380	10.377	0.003	61999	1.60000	1.41	173.79- 213.79	191.30
11.550	11.550	0.000	85072	1.60000	1.59	209.80- 249.80	262.49
12.015	12.013	0.002	32813	1.60000	1.56	76.20- 116.20	101.25
12.825	12.823	0.002	38156	1.60000	1.45	94.17- 134.17	117.73
Average of Peak Amounts =					1.49		
8 Aroclor-1260					CAS #: 11096-82-5		
16.150	16.153	-0.003	97503	1.60000	1.43	80.00- 120.00	100.00(A)
16.992	16.993	-0.001	50303	1.60000	1.36	37.68- 77.68	51.59
18.177	18.178	-0.001	127865	1.60000	1.51	102.64- 142.64	131.14
18.783	18.788	-0.005	60097	1.60000	1.51	35.68- 75.68	61.64

Teresa Arnett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
20.080	20.082	-0.002	30823	1.60000	1.48	9.68- 49.68	31.61
Average of Peak Amounts =					1.46		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.105	21.107	-0.002	105338	0.16000	0.152	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.425	8.425	0.000	105303	0.08000	0.0794	80.00- 120.00	100.00

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

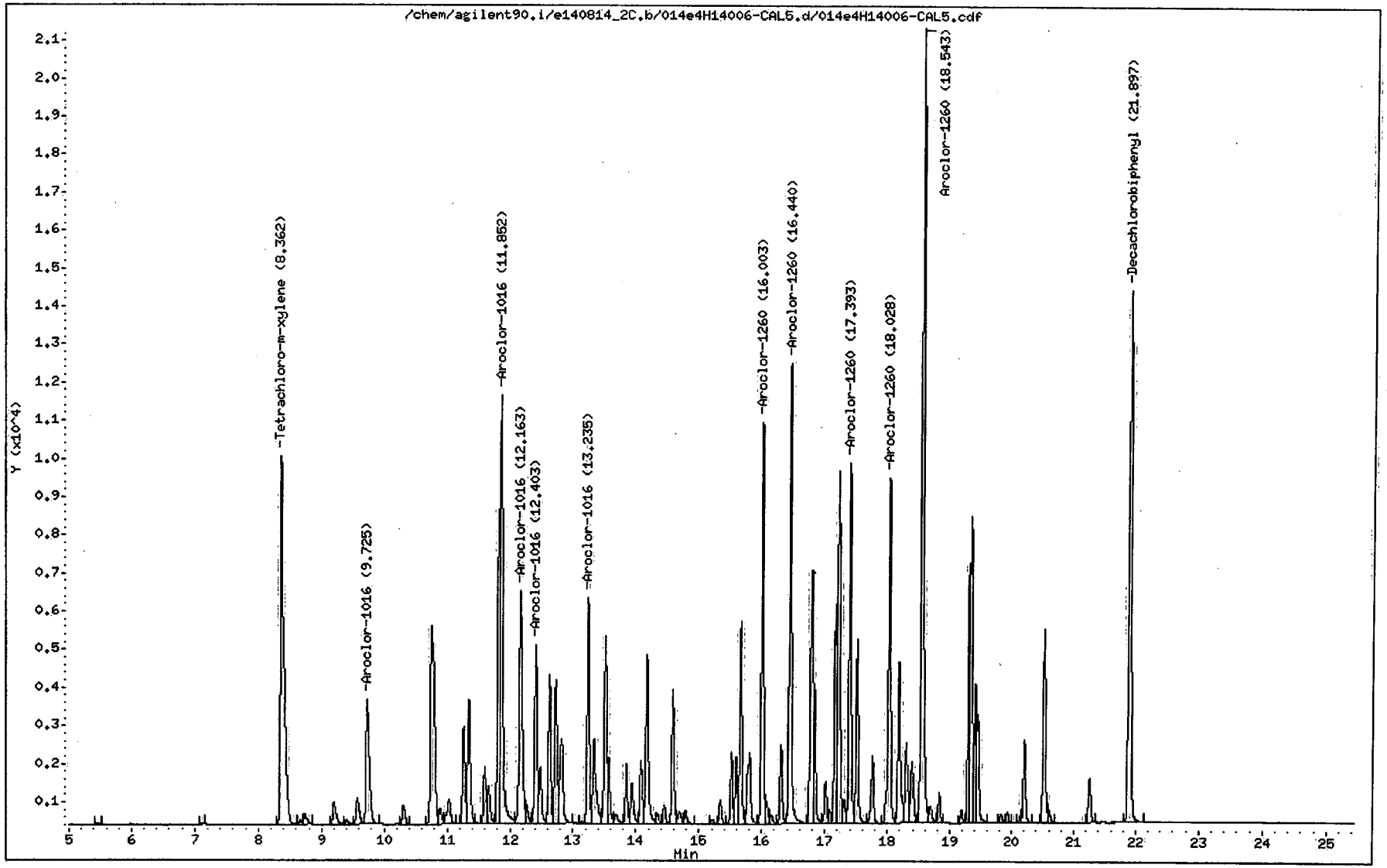
Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814_2C.b/014e4H14006-CAL5.d
Date : 14-AUG-2014 18:23
Client ID: AR16605EA
Sample Info: 4H14006-CAL5
Volume Injected (uL): 1.0
Column phase: olpest2

Page 3

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814_2C.b/014e4H14006-CAL5.d
Lab Smp Id: 4H14006-CAL5 Client Smp ID: AR16605EA
Inj Date : 14-AUG-2014 18:23
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-CAL5
Misc Info : AR16605EA
Comment :
Method : /chem/agilent90.i/e140814_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 09:26 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 18:23 Cal File: 014e4H14006-CAL5.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

AMOUNTS

RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.725	9.728	-0.003	11540	1.60000	1.46	80.00- 120.00	100.00
11.852	11.855	-0.003	34901	1.60000	1.64	258.94- 298.94	302.42
12.163	12.165	-0.002	19351	1.60000	1.62	134.90- 174.90	167.68
12.403	12.407	-0.004	12241	1.60000	1.64	72.50- 112.50	106.07
13.235	13.238	-0.003	14585	1.60000	1.53	102.42- 142.42	126.38
Average of Peak Amounts =					1.58		
8 Aroclor-1260					CAS #: 11096-82-5		
16.003	16.007	-0.004	24477	1.60000	1.42	80.00- 120.00	100.00
16.440	16.445	-0.005	30555	1.60000	1.50	97.56- 137.56	124.83
17.393	17.398	-0.005	22544	1.60000	1.47	70.08- 110.08	92.10
18.028	18.030	-0.002	23290	1.60000	1.48	72.00- 112.00	95.15

Teresa Arnett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
18.543	18.548	-0.005	53015	1.60000	1.58	178.37- 218.37	216.59
Average of Peak Amounts =					1.49		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.897	21.900	-0.003	39343	0.16000	0.152	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.362	8.363	-0.001	36634	0.08000	0.0825	80.00- 120.00	100.00

Teresa Arnett Jennings 8/15/2014

INITIAL SINGLE POINT CALIBRATION

INITIAL SINGLE POINT CALIBRATION

Client: WESTON SOLUTIONS SDG: 1408028 Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Instrument ID: agilent90 Date(s) Analyzed: 08/14/2014 08/14/2014

GC Column: clpest ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK[1]	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221 (1)	0.400	1	08.94	08.87	09.01	
		2				
		3				
		4				
		5				
Aroclor-1221 (2)	0.400	1	09.35	09.28	09.42	
		2				
		3				
		4				
		5				
Aroclor-1221 (3)	0.400	1	09.46	09.39	09.53	
		2				
		3				
		4				
		5				
Aroclor-1232 (1)	0.400	1	09.46	09.39	09.53	
		2				
		3				
		4				
		5				
Aroclor-1232 (2)	0.400	1	11.56	11.49	11.63	
		2				
		3				
		4				
		5				
Aroclor-1232 (3)	0.400	1	12.02	11.95	12.09	
		2				
		3				
		4				
		5				
Aroclor-1232 (4)	0.400	1	12.83	12.76	12.90	
		2				
		3				
		4				
		5				

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

INITIAL SINGLE POINT CALIBRATION

Client: WESTON SOLUTIONS SDG: 1408028 Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Instrument ID: agilent90 Date(s) Analyzed: 08/14/2014 08/14/2014

GC Column: clpest ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK[1]	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1232 (5)	0.400	1	13.80	13.73	13.87	
		2				
		3				
		4				
		5				
Aroclor-1242 (1)	0.400	1	09.45	09.38	09.52	
		2				
		3				
		4				
		5				
Aroclor-1242 (2)	0.400	1	11.55	11.48	11.62	
		2				
		3				
		4				
		5				
Aroclor-1242 (3)	0.400	1	12.02	11.95	12.09	
		2				
		3				
		4				
		5				
Aroclor-1242 (4)	0.400	1	12.83	12.76	12.90	
		2				
		3				
		4				
		5				
Aroclor-1242 (5)	0.400	1	13.86	13.79	13.93	
		2				
		3				
		4				
		5				
Aroclor-1248 (1)	0.400	1	12.31	12.24	12.38	
		2				
		3				
		4				
		5				

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

INITIAL SINGLE POINT CALIBRATION

Client: WESTON SOLUTIONS SDG: 1408028 Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Instrument ID: agilent90 Date(s) Analyzed: 08/14/2014 08/14/2014

GC Column: clpest ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK[1]	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1248 (2)	0.400	1	12.83	12.76	12.90	
		2				
		3				
		4				
		5				
Aroclor-1248 (3)	0.400	1	13.79	13.72	13.86	
		2				
		3				
		4				
		5				
Aroclor-1248 (4)	0.400	1	14.29	14.22	14.36	
		2				
		3				
		4				
		5				
Aroclor-1248 (5)	0.400	1	15.16	15.09	15.23	
		2				
		3				
		4				
		5				
Aroclor-1254 (1)	0.400	1	13.70	13.63	13.77	
		2				
		3				
		4				
		5				
Aroclor-1254 (2)	0.400	1	14.28	14.21	14.35	
		2				
		3				
		4				
		5				
Aroclor-1254 (3)	0.400	1	15.16	15.09	15.23	
		2				
		3				
		4				
		5				

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

INITIAL SINGLE POINT CALIBRATION

Client: WESTON SOLUTIONS SDG: 1408028 Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Instrument ID: agilent90 Date(s) Analyzed: 08/14/2014 08/14/2014

GC Column: clpest ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK[1]	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1254 (4)	0.400	1	15.77	15.70	15.84	
		2				
		3				
		4				
		5				
Aroclor-1254 (5)	0.400	1	16.76	16.69	16.83	
		2				
		3				
		4				
		5				
Aroclor-1262 (1)	0.400	1	16.15	16.08	16.22	
		2				
		3				
		4				
		5				
Aroclor-1262 (2)	0.400	1	17.00	16.93	17.07	
		2				
		3				
		4				
		5				
Aroclor-1262 (3)	0.400	1	17.53	17.46	17.60	
		2				
		3				
		4				
		5				
Aroclor-1262 (4)	0.400	1	18.18	18.11	18.25	
		2				
		3				
		4				
		5				
Aroclor-1262 (5)	0.400	1	20.08	20.01	20.15	
		2				
		3				
		4				
		5				

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

INITIAL SINGLE POINT CALIBRATION

Client: WESTON SOLUTIONS SDG: 1408028 Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Instrument ID: agilent90 Date(s) Analyzed: 08/14/2014 08/14/2014

GC Column: clpest ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK[1]	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1268 (1)	0.400	1	18.85	18.78	18.92	
		2				
		3				
		4				
		5				
Aroclor-1268 (2)	0.400	1	18.93	18.86	19.00	
		2				
		3				
		4				
		5				
Aroclor-1268 (3)	0.400	1	19.34	19.27	19.41	
		2				
		3				
		4				
		5				
Aroclor-1268 (4)	0.400	1	20.08	20.01	20.15	
		2				
		3				
		4				
		5				
Aroclor-1268 (5)	0.400	1	20.68	20.61	20.75	
		2				
		3				
		4				
		5				

[1]At least three peaks for each column are required for identification of multicomponent analytes.

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

INITIAL SINGLE POINT CALIBRATION

Client: WESTON SOLUTIONS SDG: 1408028 Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Instrument ID: agilent90 Date(s) Analyzed: 08/14/2014 08/14/2014

GC Column: clpest2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK[1]	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221 (1) [2C]	0.400	1	09.20	09.13	09.27	
		2				
		3				
		4				
		5				
Aroclor-1221 (2) [2C]	0.400	1	09.58	09.51	09.65	
		2				
		3				
		4				
		5				
Aroclor-1221 (3) [2C]	0.400	1	09.73	09.66	09.80	
		2				
		3				
		4				
		5				
Aroclor-1232 (1) [2C]	0.400	1	09.73	09.66	09.80	
		2				
		3				
		4				
		5				
Aroclor-1232 (2) [2C]	0.400	1	11.86	11.79	11.93	
		2				
		3				
		4				
		5				
Aroclor-1232 (3) [2C]	0.400	1	12.17	12.10	12.24	
		2				
		3				
		4				
		5				
Aroclor-1232 (4) [2C]	0.400	1	12.41	12.34	12.48	
		2				
		3				
		4				
		5				

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

INITIAL SINGLE POINT CALIBRATION

Client: WESTON SOLUTIONS SDG: 1408028 Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Instrument ID: agilent90 Date(s) Analyzed: 08/14/2014 08/14/2014

GC Column: clpest2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK[1]	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1232 (5) [2C]	0.400	1	13.24	13.17	13.31	
		2				
		3				
		4				
		5				
Aroclor-1242 (1) [2C]	0.400	1	09.73	09.66	09.80	
		2				
		3				
		4				
		5				
Aroclor-1242 (2) [2C]	0.400	1	11.86	11.79	11.93	
		2				
		3				
		4				
		5				
Aroclor-1242 (3) [2C]	0.400	1	12.17	12.10	12.24	
		2				
		3				
		4				
		5				
Aroclor-1242 (4) [2C]	0.400	1	13.24	13.17	13.31	
		2				
		3				
		4				
		5				
Aroclor-1242 (5) [2C]	0.400	1	14.18	14.11	14.25	
		2				
		3				
		4				
		5				
Aroclor-1248 (1) [2C]	0.400	1	12.63	12.56	12.70	
		2				
		3				
		4				
		5				

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

INITIAL SINGLE POINT CALIBRATION

Client: WESTON SOLUTIONS SDG: 1408028 Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Instrument ID: agilent90 Date(s) Analyzed: 08/14/2014 08/14/2014

GC Column: clpest2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK[1]	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1248 (2) [2C]	0.400	1	13.24	13.17	13.31	
		2				
		3				
		4				
		5				
Aroclor-1248 (3) [2C]	0.400	1	14.08	14.01	14.15	
		2				
		3				
		4				
		5				
Aroclor-1248 (4) [2C]	0.400	1	14.69	14.62	14.76	
		2				
		3				
		4				
		5				
Aroclor-1248 (5) [2C]	0.400	1	15.59	15.52	15.66	
		2				
		3				
		4				
		5				
Aroclor-1254 (1) [2C]	0.400	1	14.59	14.52	14.66	
		2				
		3				
		4				
		5				
Aroclor-1254 (2) [2C]	0.400	1	15.60	15.53	15.67	
		2				
		3				
		4				
		5				
Aroclor-1254 (3) [2C]	0.400	1	16.08	16.01	16.15	
		2				
		3				
		4				
		5				

Environmental Testing Laboratories
CompuChem
A Division Of
Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH
nelac

INITIAL SINGLE POINT CALIBRATION

Client: WESTON SOLUTIONS SDG: 1408028 Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Instrument ID: agilent90 Date(s) Analyzed: 08/14/2014 08/14/2014

GC Column: clpest2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK[1]	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1254 (4) [2C]	0.400	1	16.45	16.38	16.52	
		2				
		3				
		4				
		5				
Aroclor-1254 (5) [2C]	0.400	1	17.22	17.15	17.29	
		2				
		3				
		4				
		5				
Aroclor-1262 (1) [2C]	0.400	1	16.45	16.38	16.52	
		2				
		3				
		4				
		5				
Aroclor-1262 (2) [2C]	0.400	1	17.32	17.25	17.39	
		2				
		3				
		4				
		5				
Aroclor-1262 (3) [2C]	0.400	1	18.03	17.96	18.10	
		2				
		3				
		4				
		5				
Aroclor-1262 (4) [2C]	0.400	1	18.55	18.48	18.62	
		2				
		3				
		4				
		5				
Aroclor-1262 (5) [2C]	0.400	1	20.53	20.46	20.60	
		2				
		3				
		4				
		5				

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

INITIAL SINGLE POINT CALIBRATION

Client: WESTON SOLUTIONS SDG: 1408028 Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Instrument ID: agilent90 Date(s) Analyzed: 08/14/2014 08/14/2014

GC Column: clpest2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK[1]	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1268 (1) [2C]	0.400	1	18.03	17.96	18.10	
		2				
		3				
		4				
		5				
Aroclor-1268 (2) [2C]	0.400	1	19.40	19.33	19.47	
		2				
		3				
		4				
		5				
Aroclor-1268 (3) [2C]	0.400	1	19.94	19.87	20.01	
		2				
		3				
		4				
		5				
Aroclor-1268 (4) [2C]	0.400	1	20.52	20.45	20.59	
		2				
		3				
		4				
		5				
Aroclor-1268 (5) [2C]	0.400	1	21.26	21.19	21.33	
		2				
		3				
		4				
		5				

[1]At least three peaks for each column are required for identification of multicomponent analytes.

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

Second Source Calibration Verification

SECOND-SOURCE CALIBRATION VERIFICATION

8082A

Client: WESTON SOLUTIONS

SDG: 1408028

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Instrument: agilent90

Calibration: 4081501

Lab File ID: 015e4H14006-SCV1.d

Standard ID: 4B26017

Sequence: 4H14006

Injection Date: 08/14/14

Lab Sample ID: 4H14006-SCV1

InjectionTime: 18:54

ANALYTE	EXPECTED (ng/uL)	FOUND (ng/uL)	% DRIFT	QC LIMIT
Aroclor-1016	0.4000	0.4057	1.4	20.00
Aroclor-1016 (1)	0.4000	0.4044	1.1	20.00
Aroclor-1016 (2)	0.4000	0.4057	1.4	20.00
Aroclor-1016 (3)	0.4000	0.4046	1.1	20.00
Aroclor-1016 (4)	0.4000	0.4192	4.8	20.00
Aroclor-1016 (5)	0.4000	0.3980	-0.5	20.00
Aroclor-1016 [2C]	0.4000	0.3884	-2.9	20.00
Aroclor-1016 (1) [2C]	0.4000	0.4060	1.5	20.00
Aroclor-1016 (2) [2C]	0.4000	0.3885	-2.9	20.00
Aroclor-1016 (3) [2C]	0.4000	0.3633	-9.2	20.00
Aroclor-1016 (4) [2C]	0.4000	0.3898	-2.5	20.00
Aroclor-1016 (5) [2C]	0.4000	0.4052	1.3	20.00
Aroclor-1260	0.4000	0.4031	0.8	20.00
Aroclor-1260 (1)	0.4000	0.4009	0.2	20.00
Aroclor-1260 (2)	0.4000	0.4028	0.7	20.00
Aroclor-1260 (3)	0.4000	0.4008	0.2	20.00
Aroclor-1260 (4)	0.4000	0.4015	0.4	20.00
Aroclor-1260 (5)	0.4000	0.4235	5.9	20.00
Aroclor-1260 [2C]	0.4000	0.4060	1.5	20.00
Aroclor-1260 (1) [2C]	0.4000	0.4024	0.6	20.00
Aroclor-1260 (2) [2C]	0.4000	0.4027	0.7	20.00

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

SECOND-SOURCE CALIBRATION VERIFICATION

8082A

Client: WESTON SOLUTIONS SDG: 1408028

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Instrument: agilent90 Calibration: 4081501

Lab File ID: 015e4H14006-SCV1.d Standard ID: 4B26017

Sequence: 4H14006 Injection Date: 08/14/14

Lab Sample ID: 4H14006-SCV1 InjectionTime: 18:54

ANALYTE	EXPECTED (ng/uL)	FOUND (ng/uL)	% DRIFT	QC LIMIT
Aroclor-1260 (3) [2C]	0.4000	0.4035	0.9	20.00
Aroclor-1260 (4) [2C]	0.4000	0.4063	1.6	20.00
Aroclor-1260 (5) [2C]	0.4000	0.4108	2.7	20.00

* Values outside of QC limits

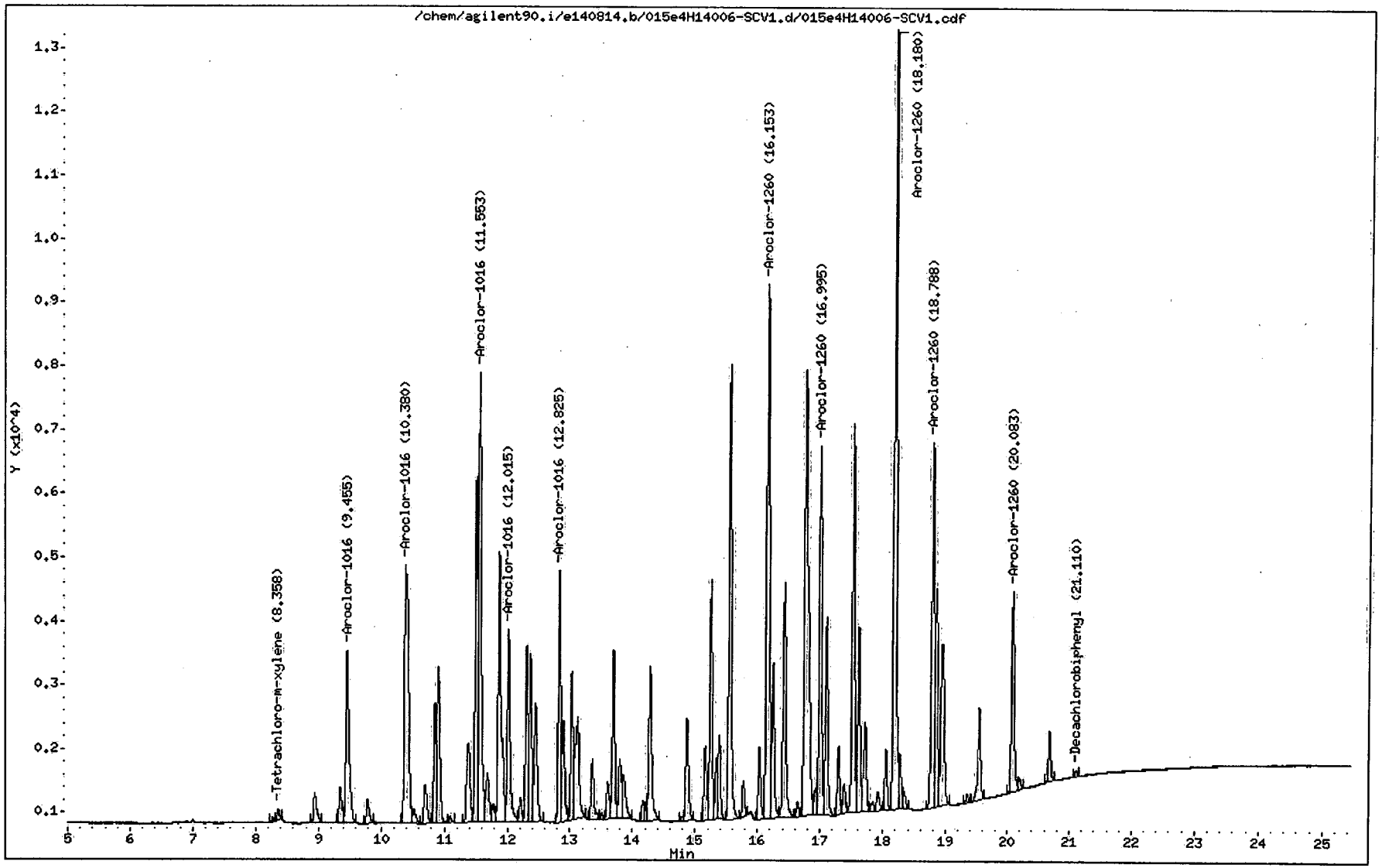
CompuChem
A Division Of
Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

Data File: /chem/agilent90.i/e140814.b/015e4H14006-SCV1.d
Date : 14-AUG-2014 18:54
Client ID: SCV1660EA
Sample Info: 4H14006-SCV1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814.b/015e4H14006-SCV1.d
Lab Smp Id: 4H14006-SCV1 Client Smp ID: SCV1660EA
Inj Date : 14-AUG-2014 18:54
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-SCV1
Misc Info : SCV1660EA
Comment :
Method : /chem/agilent90.i/e140814.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 09:22 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.455	9.452	0.003	9250	0.40442	0.404	80.00- 120.00	100.00
10.380	10.377	0.003	17807	0.40568	0.406	173.79- 213.79	192.50
11.553	11.550	0.003	22203	0.40457	0.405	209.80- 249.80	240.02
12.015	12.013	0.002	9139	0.41926	0.419	76.20- 116.20	98.79
12.825	12.823	0.002	10471	0.39804	0.398	94.17- 134.17	113.19
Average of Peak Concentrations =					0.406		
8 Aroclor-1260					CAS #: 11096-82-5		
16.153	16.153	0.000	27396	0.40091	0.401	80.00- 120.00	100.00
16.995	16.993	0.002	15326	0.40278	0.403	37.68- 77.68	55.94
18.180	18.178	0.002	34249	0.40082	0.401	102.64- 142.64	125.01
18.788	18.788	0.000	16000	0.40148	0.401	35.68- 75.68	58.40

Teresa Arnett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
20.083	20.082	0.001	8825	0.42350	0.423	9.68- 49.68	32.21
Average of Peak Concentrations =					0.406		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.110	21.107	0.003	247	0.000357	0.000357	80.00- 120.00	100.00(RR)
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.358	8.425	-0.067	428	0.000323	0.000323	80.00- 120.00	100.00(RR)

QC Flag Legend

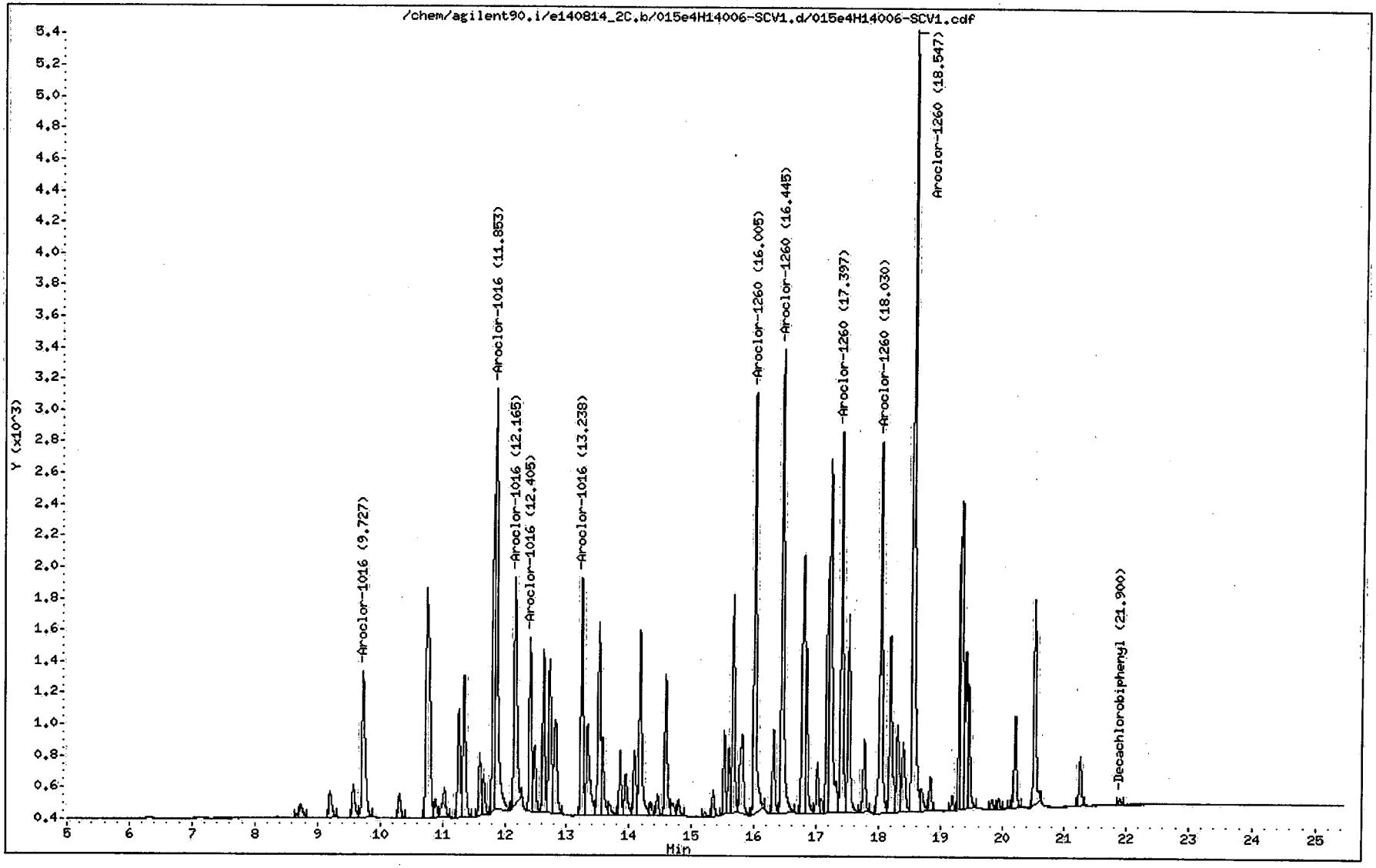
R - Spike/Surrogate failed recovery limits.

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814_2C.b/015e4H14006-SCV1.d
Date : 14-AUG-2014 18:54
Client ID: SCV1660EA
Sample Info: 4H14006-SCV1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814_2C.b/015e4H14006-SCV1.d
Lab Smp Id: 4H14006-SCV1 Client Smp ID: SCV1660EA
Inj Date : 14-AUG-2014 18:54
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14006-SCV1
Misc Info : SCV1660EA
Comment :
Method : /chem/agilent90.i/e140814_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 09:26 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: AR1660.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	1000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.727	9.728	-0.001	3212	0.40605	0.406	80.00- 120.00	100.00
11.853	11.855	-0.002	8533	0.38849	0.388	258.94- 298.94	265.62
12.165	12.165	0.000	4495	0.36334	0.363	134.90- 174.90	139.91
12.405	12.407	-0.002	2915	0.38990	0.390	72.50- 112.50	90.75
13.238	13.238	0.000	3857	0.40531	0.405	102.42- 142.42	120.08
			Average of Peak Concentrations =		0.391		
8 Aroclor-1260					CAS #: 11096-82-5		
16.005	16.007	-0.002	6934	0.40240	0.402	80.00- 120.00	100.00
16.445	16.445	0.000	8211	0.40268	0.403	97.56- 137.56	118.41
17.397	17.398	-0.001	6206	0.40353	0.404	70.08- 110.08	89.51
18.030	18.030	0.000	6390	0.40632	0.406	72.00- 112.00	92.16

Teresa Arnett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/L)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
18.547	18.548	-0.001	13785	0.41080	0.411	178.37- 218.37	198.81
Average of Peak Concentrations =					0.405		

$ 9 Decachlorobiphenyl CAS #: 2051-24-3

21.900	21.900	0.000	99	0.000386	0.000386	80.00- 120.00	100.00(RR)

$ 1 Tetrachloro-m-xylene CAS #: 877-09-8

Compound Not Detected

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Teresa Arnett Jennings 8/15/2014

K. Continuing Calibration Data

(CONTINUING CALIBRATION CHECK)

For all performance evaluation mixtures (if applicable) and continuing calibration verification standards, on all GC columns and instruments, in chronological order by GC column and instrument. If more than one instrument is used, forms shall be arranged in order by instrument. If multiple continuing calibrations from the same instrument are used, they shall be in chronological order.

(1) Quantitation reports and chromatogram for all continuing calibrations.

(2) Chromatogram peak displaying each manual integration, depicting integration time range.

CONTINUING CALIBRATION CHECK

8082A

Client: WESTON SOLUTIONS SDG: 1408028

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Instrument ID: agilent90 Calibration: 4081501

Lab File ID: 016e4H14007-ICV1.d Calibration Date: 08/14/14 12:49

Sequence: 4H14007 Injection Date: 08/14/14

Lab Sample ID: 4H14007-ICVI Injection Time: 19:24

		CONC. (ng/uL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT
Aroclor-1016	Avg	0.4000	0.4196	33951.82	35568.5		4.8	20
Aroclor-1016 (1)	Avg	0.4000	0.4200	22874.63	24017.5		5.0	20
Aroclor-1016 (2)	Avg	0.4000	0.4180	43895.88	45890		4.5	20
Aroclor-1016 (3)	Avg	0.4000	0.4180	54882.5	57352.5		4.5	20
Aroclor-1016 (4)	Avg	0.4000	0.4270	21798.63	23277.5		6.8	20
Aroclor-1016 (5)	Avg	0.4000	0.4150	26307.5	27305		3.8	20
Aroclor-1016 [2C]	Avg	0.4000	0.4006	11849.15	11772		-0.7	20
Aroclor-1016 (1) [2C]	Avg	0.4000	0.4120	7912	8152.5		3.0	20
Aroclor-1016 (2) [2C]	Avg	0.4000	0.3940	21966.38	21647.5		-1.5	20
Aroclor-1016 (3) [2C]	Avg	0.4000	0.3710	12371.38	11470		-7.3	20
Aroclor-1016 (4) [2C]	Avg	0.4000	0.4070	7477.625	7610		1.8	20
Aroclor-1016 (5) [2C]	Avg	0.4000	0.4190	9518.375	9980		4.8	20
Aroclor-1260	Avg	0.4000	0.4342	50506.78	54389		7.7	20
Aroclor-1260 (1)	Avg	0.4000	0.4230	68336.38	72347.5		5.9	20
Aroclor-1260 (2)	Avg	0.4000	0.4260	38052.88	40540		6.5	20
Aroclor-1260 (3)	Avg	0.4000	0.4300	85450.13	91807.5		7.4	20
Aroclor-1260 (4)	Avg	0.4000	0.4380	39855.13	43617.5		9.4	20
Aroclor-1260 (5)	Avg	0.4000	0.4540	20839.38	23632.5		13.4	20
Aroclor-1260 [2C]	Avg	0.4000	0.4298	20458.32	22071		7.9	20
Aroclor-1260 (1) [2C]	Avg	0.4000	0.4230	17232.38	18230		5.8	20
Aroclor-1260 (2) [2C]	Avg	0.4000	0.4290	20391.38	21875		7.3	20
Aroclor-1260 (3) [2C]	Avg	0.4000	0.4280	15381.5	16442.5		6.9	20
Aroclor-1260 (4) [2C]	Avg	0.4000	0.4290	15727.5	16862.5		7.2	20
Aroclor-1260 (5) [2C]	Avg	0.4000	0.4400	33558.88	36945		10.1	20

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

CONTINUING CALIBRATION CHECK

8082A

Client:	WESTON SOLUTIONS	SDG:	1408028
Project:	RST2/RFP306/EP-S2-14-01/SITE ID:ZZ		
Instrument ID:	agilent90	Calibration:	4081501
Lab File ID:	016e4H14007-ICV1.d	Calibration Date:	08/14/14 12:49
Sequence:	4H14007	Injection Date:	08/14/14
Lab Sample ID:	4H14007-ICV1	Injection Time:	19:24

COMPOUND	TYPE	CONC. (ng/uL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT
DCB (A)	Avg	0.04000	0.04420	693555	766500		10.5	20
DCB (A) [2C]	Avg	0.04000	0.04450	258488.8	287450		11.2	20
TCX (A)	Avg	0.02000	0.02070	1326713	1369850		3.3	20
TCX (A) [2C]	Avg	0.02000	0.02060	444310	457100		2.9	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CompuChem
A Division Of
Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

CONTINUING CALIBRATION CHECK

8082A

Client: WESTON SOLUTIONS SDG: 1408028

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Instrument ID: agilent90 Calibration: 4081501

Lab File ID: 034e4H14007-CCV1.d Calibration Date: 08/14/14 12:49

Sequence: 4H14007 Injection Date: 08/15/14

Lab Sample ID: 4H14007-CCV1 Injection Time: 04:31

COMPOUND	TYPE	CONC. (ng/uL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT
Aroclor-1016	Avg	0.4000	0.3768	33951.82	31876		-6.1	20
Aroclor-1016 (1)	Avg	0.4000	0.3860	22874.63	22095		-3.4	20
Aroclor-1016 (2)	Avg	0.4000	0.3790	43895.88	41542.5		-5.4	20
Aroclor-1016 (3)	Avg	0.4000	0.3690	54882.5	50662.5		-7.7	20
Aroclor-1016 (4)	Avg	0.4000	0.3780	21798.63	20587.5		-5.6	20
Aroclor-1016 (5)	Avg	0.4000	0.3720	26307.5	24492.5		-6.9	20
Aroclor-1016 [2C]	Avg	0.4000	0.3764	11849.15	11005		-7.1	20
Aroclor-1016 (1) [2C]	Avg	0.4000	0.3820	7912	7557.5		-4.5	20
Aroclor-1016 (2) [2C]	Avg	0.4000	0.3560	21966.38	19547.5		-11.0	20
Aroclor-1016 (3) [2C]	Avg	0.4000	0.3800	12371.38	11742.5		-5.1	20
Aroclor-1016 (4) [2C]	Avg	0.4000	0.3920	7477.625	7320		-2.1	20
Aroclor-1016 (5) [2C]	Avg	0.4000	0.3720	9518.375	8857.5		-6.9	20
Aroclor-1260	Avg	0.4000	0.3554	50506.78	44795.5		-11.3	20
Aroclor-1260 (1)	Avg	0.4000	0.3500	68336.38	59845		-12.4	20
Aroclor-1260 (2)	Avg	0.4000	0.3360	38052.88	31992.5		-15.9	20
Aroclor-1260 (3)	Avg	0.4000	0.3560	85450.13	75957.5		-11.1	20
Aroclor-1260 (4)	Avg	0.4000	0.3770	39855.13	37520		-5.9	20
Aroclor-1260 (5)	Avg	0.4000	0.3580	20839.38	18662.5		-10.4	20
Aroclor-1260 [2C]	Avg	0.4000	0.3378	20458.32	17383		-15.0	20
Aroclor-1260 (1) [2C]	Avg	0.4000	0.3310	17232.38	14245		-17.3	20
Aroclor-1260 (2) [2C]	Avg	0.4000	0.3400	20391.38	17327.5		-15.0	20
Aroclor-1260 (3) [2C]	Avg	0.4000	0.3360	15381.5	12907.5		-16.1	20
Aroclor-1260 (4) [2C]	Avg	0.4000	0.3320	15727.5	13067.5		-16.9	20
Aroclor-1260 (5) [2C]	Avg	0.4000	0.3500	33558.88	29367.5		-12.5	20

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

CONTINUING CALIBRATION CHECK

8082A

Client:	WESTON SOLUTIONS			SDG:	1408028
Project:	RST2/RFP306/EP-S2-14-01/SITE ID:ZZ				
Instrument ID:	agilent90	Calibration:	4081501		
Lab File ID:	034e4H14007-CCV1.d	Calibration Date:	08/14/14 12:49		
Sequence:	4H14007	Injection Date:	08/15/14		
Lab Sample ID:	4H14007-CCV1	Injection Time:	04:31		

COMPOUND	TYPE	CONC. (ng/uL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT
DCB (A)	Avg	0.04000	0.03460	693555	600075		-13.5	20
DCB (A) [2C]	Avg	0.04000	0.03510	258488.8	226825		-12.2	20
TCX (A)	Avg	0.02000	0.01880	1326713	1247700		-6.0	20
TCX (A) [2C]	Avg	0.02000	0.01900	444310	422200		-5.0	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Environmental Testing Laboratories
CompuChem
A Division Of
Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH
nelac

CONTINUING CALIBRATION CHECK

8082A

Client: WESTON SOLUTIONS SDG: 1408028

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Instrument ID: agilent90 Calibration: 4081501

Lab File ID: 046e4H14007-CCV2.d Calibration Date: 08/14/14 12:49

Sequence: 4H14007 Injection Date: 08/15/14

Lab Sample ID: 4H14007-CCV2 Injection Time: 10:36

COMPOUND	TYPE	CONC. (ng/uL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT
Aroclor-1016	Avg	0.4000	0.4152	33951.82	35035		3.2	20
Aroclor-1016 (1)	Avg	0.4000	0.4160	22874.63	23797.5		4.0	20
Aroclor-1016 (2)	Avg	0.4000	0.4110	43895.88	45095		2.7	20
Aroclor-1016 (3)	Avg	0.4000	0.4050	54882.5	55570		1.3	20
Aroclor-1016 (4)	Avg	0.4000	0.4230	21798.63	23030		5.6	20
Aroclor-1016 (5)	Avg	0.4000	0.4210	26307.5	27682.5		5.2	20
Aroclor-1016 [2C]	Avg	0.4000	0.4182	11849.15	12306.5		3.9	20
Aroclor-1016 (1) [2C]	Avg	0.4000	0.4050	7912	8002.5		1.1	20
Aroclor-1016 (2) [2C]	Avg	0.4000	0.4050	21966.38	22215		1.1	20
Aroclor-1016 (3) [2C]	Avg	0.4000	0.4280	12371.38	13230		6.9	20
Aroclor-1016 (4) [2C]	Avg	0.4000	0.4370	7477.625	8175		9.3	20
Aroclor-1016 (5) [2C]	Avg	0.4000	0.4160	9518.375	9910		4.1	20
Aroclor-1260	Avg	0.4000	0.4302	50506.78	54076.5		7.1	20
Aroclor-1260 (1)	Avg	0.4000	0.4170	68336.38	71265		4.3	20
Aroclor-1260 (2)	Avg	0.4000	0.4030	38052.88	38320		0.7	20
Aroclor-1260 (3)	Avg	0.4000	0.4330	85450.13	92410		8.1	20
Aroclor-1260 (4)	Avg	0.4000	0.4540	39855.13	45237.5		13.5	20
Aroclor-1260 (5)	Avg	0.4000	0.4440	20839.38	23150		11.1	20
Aroclor-1260 [2C]	Avg	0.4000	0.4102	20458.32	21141.5		3.3	20
Aroclor-1260 (1) [2C]	Avg	0.4000	0.3880	17232.38	16727.5		-2.9	20
Aroclor-1260 (2) [2C]	Avg	0.4000	0.4110	20391.38	20950		2.7	20
Aroclor-1260 (3) [2C]	Avg	0.4000	0.4100	15381.5	15765		2.5	20
Aroclor-1260 (4) [2C]	Avg	0.4000	0.4120	15727.5	16180		2.9	20
Aroclor-1260 (5) [2C]	Avg	0.4000	0.4300	33558.88	36085		7.5	20

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

CONTINUING CALIBRATION CHECK

8082A

Client: WESTON SOLUTIONS SDG: 1408028

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Instrument ID: agilent90 Calibration: 4081501

Lab File ID: 046e4H14007-CCV2.d Calibration Date: 08/14/14 12:49

Sequence: 4H14007 Injection Date: 08/15/14

Lab Sample ID: 4H14007-CCV2 Injection Time: 10:36

COMPOUND	TYPE	CONC. (ng/uL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT
DCB (A)	Avg	0.04000	0.04250	693555	736100		6.1	20
DCB (A) [2C]	Avg	0.04000	0.04310	258488.8	278750		7.8	20
TCX (A)	Avg	0.02000	0.02030	1326713	1345050		1.4	20
TCX (A) [2C]	Avg	0.02000	0.02010	444310	446500		0.5	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

CONTINUING CALIBRATION CHECK

8082A

Client: WESTON SOLUTIONS

SDG: 1408028

Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Instrument ID: agilent90

Calibration: 4081501

Lab File ID: 060e4H14007-CCV3.d

Calibration Date: 08/14/14 12:49

Sequence: 4H14007

Injection Date: 08/15/14

Lab Sample ID: 4H14007-CCV3

Injection Time: 17:57

COMPOUND	TYPE	CONC. (ng/uL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT
Aroclor-1016	Avg	0.4000	0.3758	33951.82	31787		-6.4	20
Aroclor-1016 (1)	Avg	0.4000	0.3810	22874.63	21790		-4.7	20
Aroclor-1016 (2)	Avg	0.4000	0.3760	43895.88	41237.5		-6.1	20
Aroclor-1016 (3)	Avg	0.4000	0.3690	54882.5	50655		-7.7	20
Aroclor-1016 (4)	Avg	0.4000	0.3810	21798.63	20760		-4.8	20
Aroclor-1016 (5)	Avg	0.4000	0.3720	26307.5	24492.5		-6.9	20
Aroclor-1016 [2C]	Avg	0.4000	0.3608	11849.15	10584		-10.7	20
Aroclor-1016 (1) [2C]	Avg	0.4000	0.3690	7912	7300		-7.7	20
Aroclor-1016 (2) [2C]	Avg	0.4000	0.3500	21966.38	19232.5		-12.4	20
Aroclor-1016 (3) [2C]	Avg	0.4000	0.3440	12371.38	10650		-13.9	20
Aroclor-1016 (4) [2C]	Avg	0.4000	0.3710	7477.625	6942.5		-7.2	20
Aroclor-1016 (5) [2C]	Avg	0.4000	0.3700	9518.375	8795		-7.6	20
Aroclor-1260	Avg	0.4000	0.3778	50506.78	47283		-6.4	20
Aroclor-1260 (1)	Avg	0.4000	0.3650	68336.38	62427.5		-8.6	20
Aroclor-1260 (2)	Avg	0.4000	0.3630	38052.88	34487.5		-9.4	20
Aroclor-1260 (3)	Avg	0.4000	0.3720	85450.13	79552.5		-6.9	20
Aroclor-1260 (4)	Avg	0.4000	0.3960	39855.13	39487.5		-0.9	20
Aroclor-1260 (5)	Avg	0.4000	0.3930	20839.38	20460		-1.8	20
Aroclor-1260 [2C]	Avg	0.4000	0.3568	20458.32	18405		-10.0	20
Aroclor-1260 (1) [2C]	Avg	0.4000	0.3310	17232.38	14260		-17.2	20
Aroclor-1260 (2) [2C]	Avg	0.4000	0.3560	20391.38	18127.5		-11.1	20
Aroclor-1260 (3) [2C]	Avg	0.4000	0.3590	15381.5	13812.5		-10.2	20
Aroclor-1260 (4) [2C]	Avg	0.4000	0.3610	15727.5	14175		-9.9	20
Aroclor-1260 (5) [2C]	Avg	0.4000	0.3770	33558.88	31650		-5.7	20

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

CONTINUING CALIBRATION CHECK

8082A

Client:	WESTON SOLUTIONS			SDG:	1408028
Project:	RST2/RFP306/EP-S2-14-01/SITE ID:ZZ				
Instrument ID:	agilent90	Calibration:	4081501		
Lab File ID:	060e4H14007-CCV3.d	Calibration Date:	08/14/14 12:49		
Sequence:	4H14007	Injection Date:	08/15/14		
Lab Sample ID:	4H14007-CCV3	Injection Time:	17:57		

COMPOUND	TYPE	CONC. (ng/uL)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT
DCB (A)	Avg	0.04000	0.03790	693555	658000		-5.1	20
DCB (A) [2C]	Avg	0.04000	0.03860	258488.8	249350		-3.5	20
TCX (A)	Avg	0.02000	0.01860	1326713	1233350		-7.0	20
TCX (A) [2C]	Avg	0.02000	0.01850	444310	409850		-7.8	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

CompuChem
A Division Of
Liberty Analytical Corp.

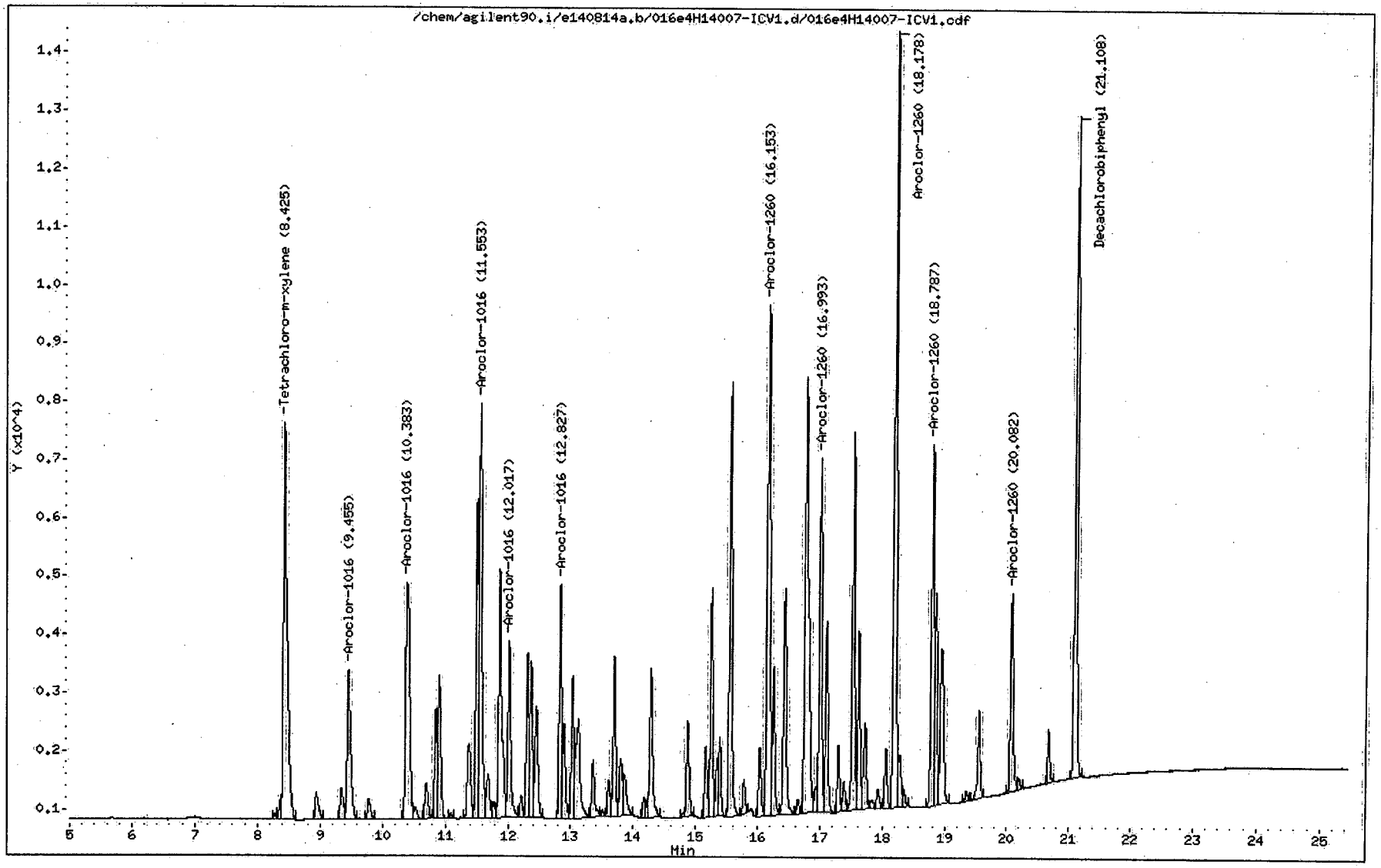
ACCREDITED IN ACCORDANCE WITH nelac

Continuing Calibration Raw Data

Data File: /chem/agilent90.i/e140814a.b/016e4H14007-ICV1.d
Date : 14-AUG-2014 19:24
Client ID: AR16603EB
Sample Info: 4H14007-ICV1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814a.b/016e4H14007-ICV1.d
Lab Smp Id: 4H14007-ICV1 Client Smp ID: AR16603EB
Inj Date : 14-AUG-2014 19:24
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14007-ICV1
Misc Info : AR16603EB
Comment :
Method : /chem/agilent90.i/e140814a.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 12:03 jennings Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.455	9.452	0.003	9607	0.40000	0.420	80.00- 120.00	100.00
10.383	10.377	0.006	18356	0.40000	0.418	171.40- 211.40	191.07
11.553	11.550	0.003	22941	0.40000	0.418	214.62- 254.62	238.79
12.017	12.013	0.004	9311	0.40000	0.427	77.17- 117.17	96.92
12.827	12.823	0.004	10922	0.40000	0.415	94.25- 134.25	113.69
Average of Peak Amounts =					0.42		
8 Aroclor-1260					CAS #: 11096-82-5		
16.153	16.153	0.000	28939	0.40000	0.423	80.00- 120.00	100.00
16.993	16.993	0.000	16216	0.40000	0.426	36.11- 76.11	56.04
18.178	18.178	0.000	36723	0.40000	0.430	105.62- 145.62	126.90
18.787	18.788	-0.001	17447	0.40000	0.438	38.58- 78.58	60.29

Teresa Arnett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
20.082	20.082	0.000	9453	0.40000	0.454	12.53- 52.53	32.67
Average of Peak Amounts =					0.434		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.108	21.107	0.001	30660	0.04000	0.0442	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.425	8.425	0.000	27397	0.02000	0.0207	80.00- 120.00	100.00

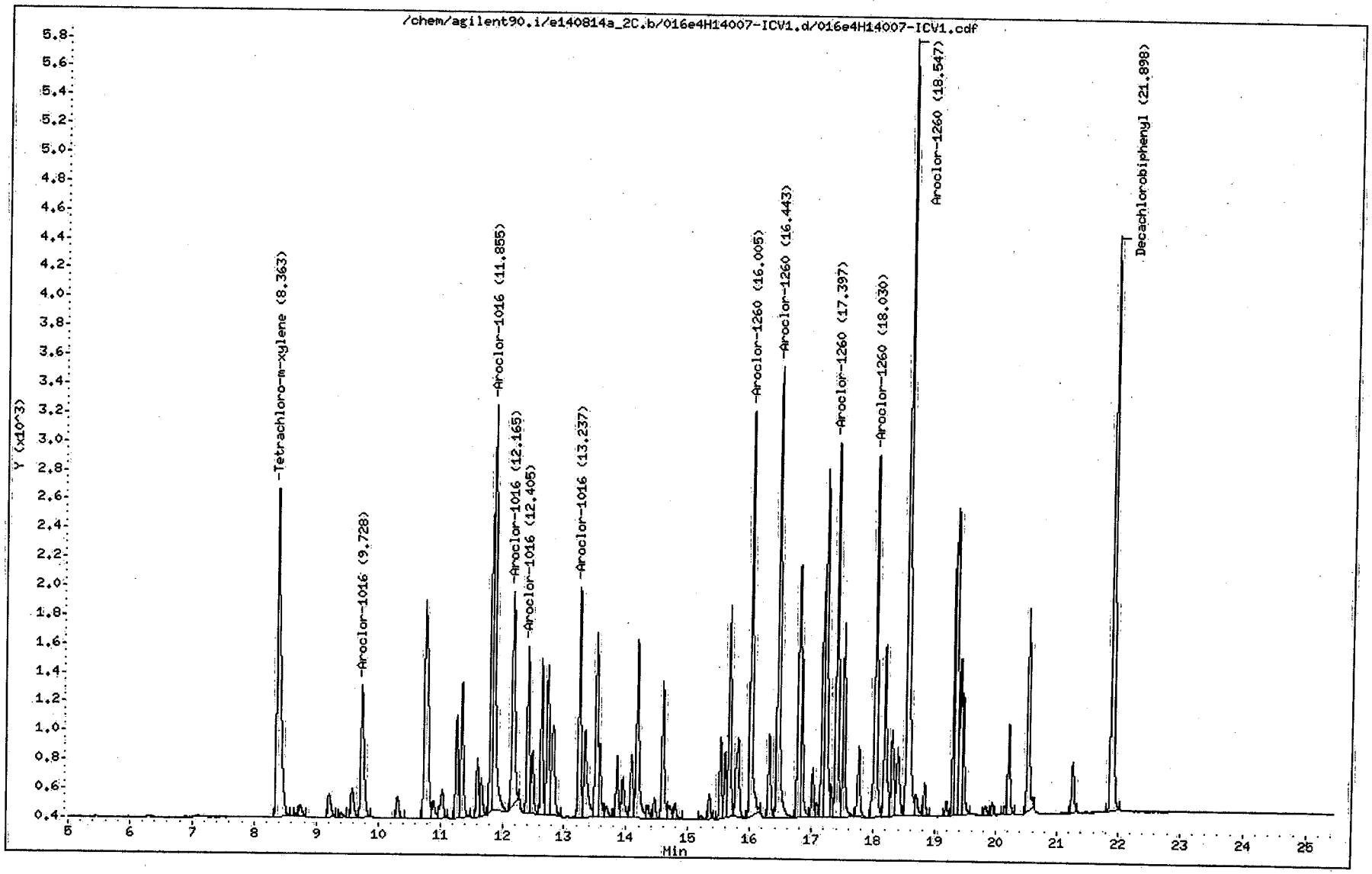
Teresa Amatt Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814a_2C.b/016e4H14007-ICV1.d
Date : 14-AUG-2014 19:24
Client ID: AR16603EB
Sample Info: 4H14007-ICV1
Volume Injected (uL): 1.0
Column phase: olpest2

Page 3

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814a_2C.b/016e4H14007-ICV1.d
Lab Smp Id: 4H14007-ICV1 Client Smp ID: AR16603EB
Inj Date : 14-AUG-2014 19:24
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14007-ICV1
Misc Info : AR16603EB
Comment :
Method : /chem/agilent90.i/e140814a_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 12:09 jennings Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.728	9.728	0.000	3261	0.40000	0.412	80.00- 120.00	100.00(a)
11.855	11.855	0.000	8659	0.40000	0.394	241.20- 281.20	265.50
12.165	12.165	0.000	4588	0.40000	0.371	124.38- 164.38	140.69
12.405	12.407	-0.002	3044	0.40000	0.407	72.98- 112.98	93.33
13.237	13.238	-0.001	3992	0.40000	0.419	102.95- 142.95	122.41
Average of Peak Amounts =					0.401		
8 Aroclor-1260					CAS #: 11096-82-5		
16.005	16.007	-0.002	7292	0.40000	0.423	80.00- 120.00	100.00(a)
16.443	16.445	-0.002	8750	0.40000	0.429	114.39- 154.39	120.00
17.397	17.398	-0.001	6577	0.40000	0.428	80.57- 120.57	90.20
18.030	18.030	0.000	6745	0.40000	0.429	84.84- 124.84	92.50

Teresa Arnett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
18.547	18.548	-0.001	14778	0.40000	0.440	206.81- 246.81	202.66
Average of Peak Amounts =					0.43		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.898	21.900	-0.002	11498	0.04000	0.0445	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.363	8.363	0.000	9142	0.02000	0.0206	80.00- 120.00	100.00

QC Flag Legend

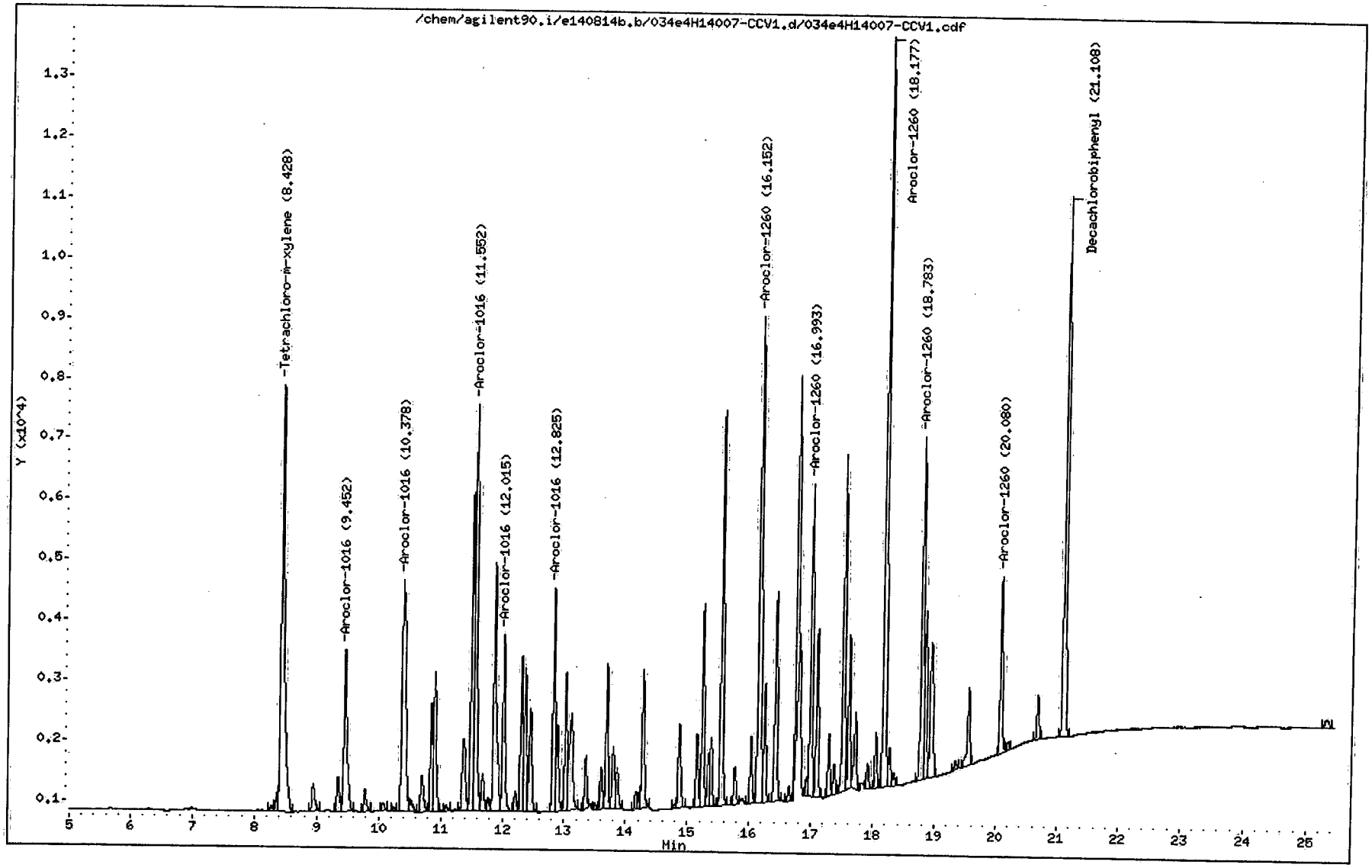
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814b.b/034e4H14007-CCV1.d
Date : 15-AUG-2014 04:31
Client ID: AR16603EC
Sample Info: 4H14007-CCV1
Volume Injected (uL): 1.0
Column phase: olpest

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814b.b/034e4H14007-CCV1.d
Lab Smp Id: 4H14007-CCV1 Client Smp ID: AR16603EC
Inj Date : 15-AUG-2014 04:31
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14007-CCV1
Misc Info : AR16603EC
Comment :
Method : /chem/agilent90.i/e140814b.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 11:10 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.452	9.452	0.000	8838	0.40000	0.386	80.00- 120.00	100.00
10.378	10.377	0.001	16617	0.40000	0.379	169.49- 209.49	188.01
11.552	11.550	0.002	20265	0.40000	0.369	213.49- 253.49	229.30
12.015	12.013	0.002	8235	0.40000	0.378	76.78- 116.78	93.18
12.825	12.823	0.002	9797	0.40000	0.372	96.32- 136.32	110.85
Average of Peak Amounts =					0.377		
8 Aroclor-1260					CAS #: 11096-82-5		
16.152	16.153	-0.001	23938	0.40000	0.350	80.00- 120.00	100.00
16.993	16.993	0.000	12797	0.40000	0.336	33.77- 73.77	53.46
18.177	18.178	-0.001	30383	0.40000	0.356	109.67- 149.67	126.92
18.783	18.788	-0.005	15008	0.40000	0.377	43.48- 83.48	62.70

Teresa Arnett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
20.080	20.082	-0.002	7465	0.40000	0.358	12.49- 52.49	31.19
		Average of Peak Amounts =			0.355		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.108	21.107	0.001	24003	0.04000	0.0346	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.428	8.425	0.003	24954	0.02000	0.0188	80.00- 120.00	100.00

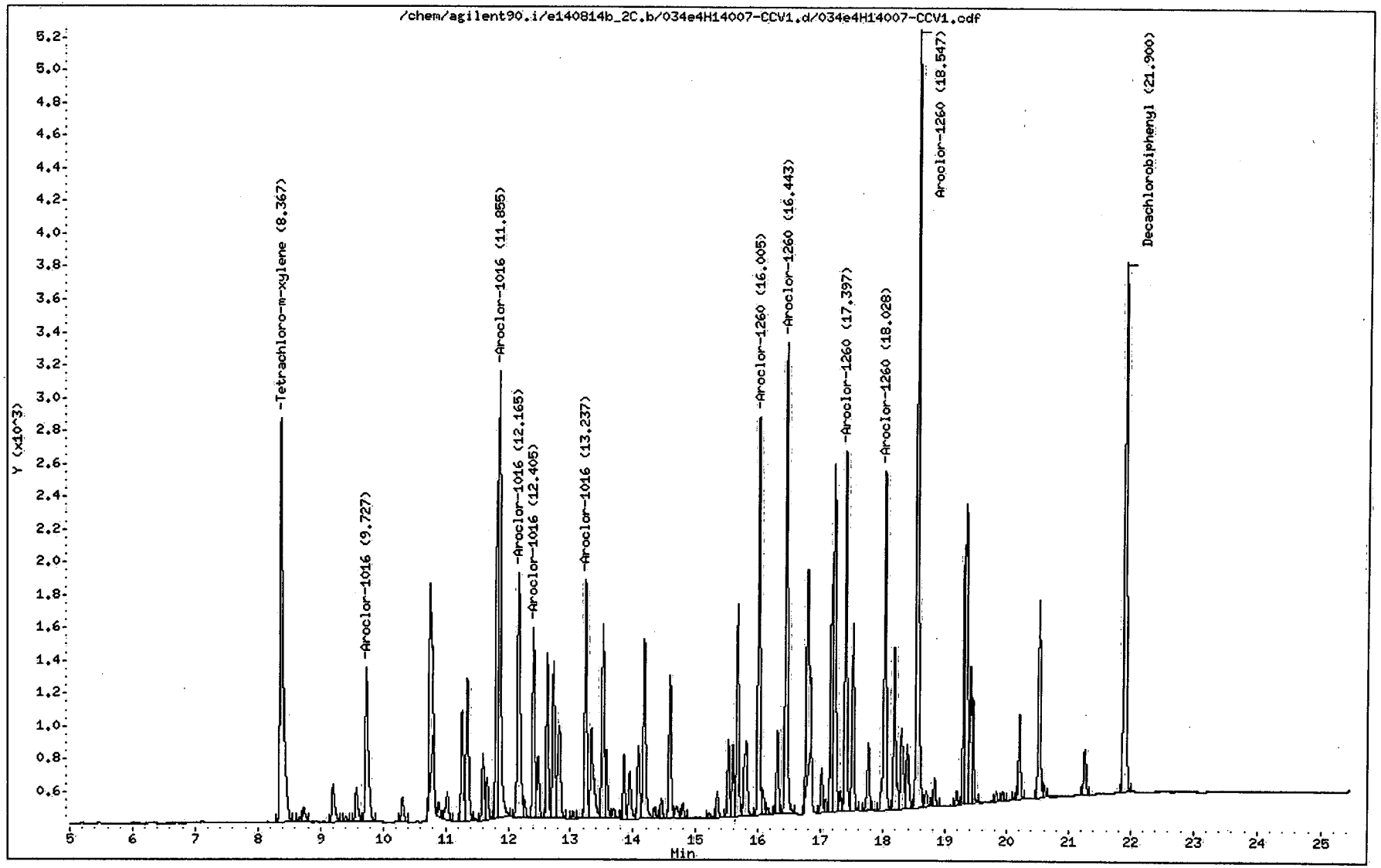
Teresa Amett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814b_2C.b/034e4H14007-CCV1.d
Date : 15-AUG-2014 04:31
Client ID: AR16603EC
Sample Info: 4H14007-CCV1
Volume Injected (uL): 1.0
Column phase: olpest2

Page 3

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814b_2C.b/034e4H14007-CCV1.d
Lab Smp Id: 4H14007-CCV1 Client Smp ID: AR16603EC
Inj Date : 15-AUG-2014 04:31
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14007-CCV1
Misc Info : AR16603EC
Comment :
Method : /chem/agilent90.i/e140814b_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 11:11 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.727	9.728	-0.001	3023	0.40000	0.382	80.00- 120.00	100.00(a)
11.855	11.855	0.000	7819	0.40000	0.356	257.58- 297.58	258.61
12.165	12.165	0.000	4697	0.40000	0.380	145.32- 185.32	155.35
12.405	12.407	-0.002	2928	0.40000	0.392	82.16- 122.16	96.85
13.237	13.238	-0.001	3543	0.40000	0.372	103.82- 143.82	117.21
Average of Peak Amounts =					0.376		
8 Aroclor-1260					CAS #: 11096-82-5		
16.005	16.007	-0.002	5698	0.40000	0.331	80.00- 120.00	100.00(a)
16.443	16.445	-0.002	6931	0.40000	0.340	105.23- 145.23	121.63
17.397	17.398	-0.001	5163	0.40000	0.336	74.24- 114.24	90.60
18.028	18.030	-0.002	5227	0.40000	0.332	76.71- 116.71	91.74

Teresa Amett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
18.547	18.548	-0.001	11747	0.40000	0.350	195.70- 235.70	206.14
		Average of Peak Amounts =			0.338		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.900	21.900	0.000	9073	0.04000	0.0351	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.367	8.363	0.004	8444	0.02000	0.0190	80.00- 120.00	100.00

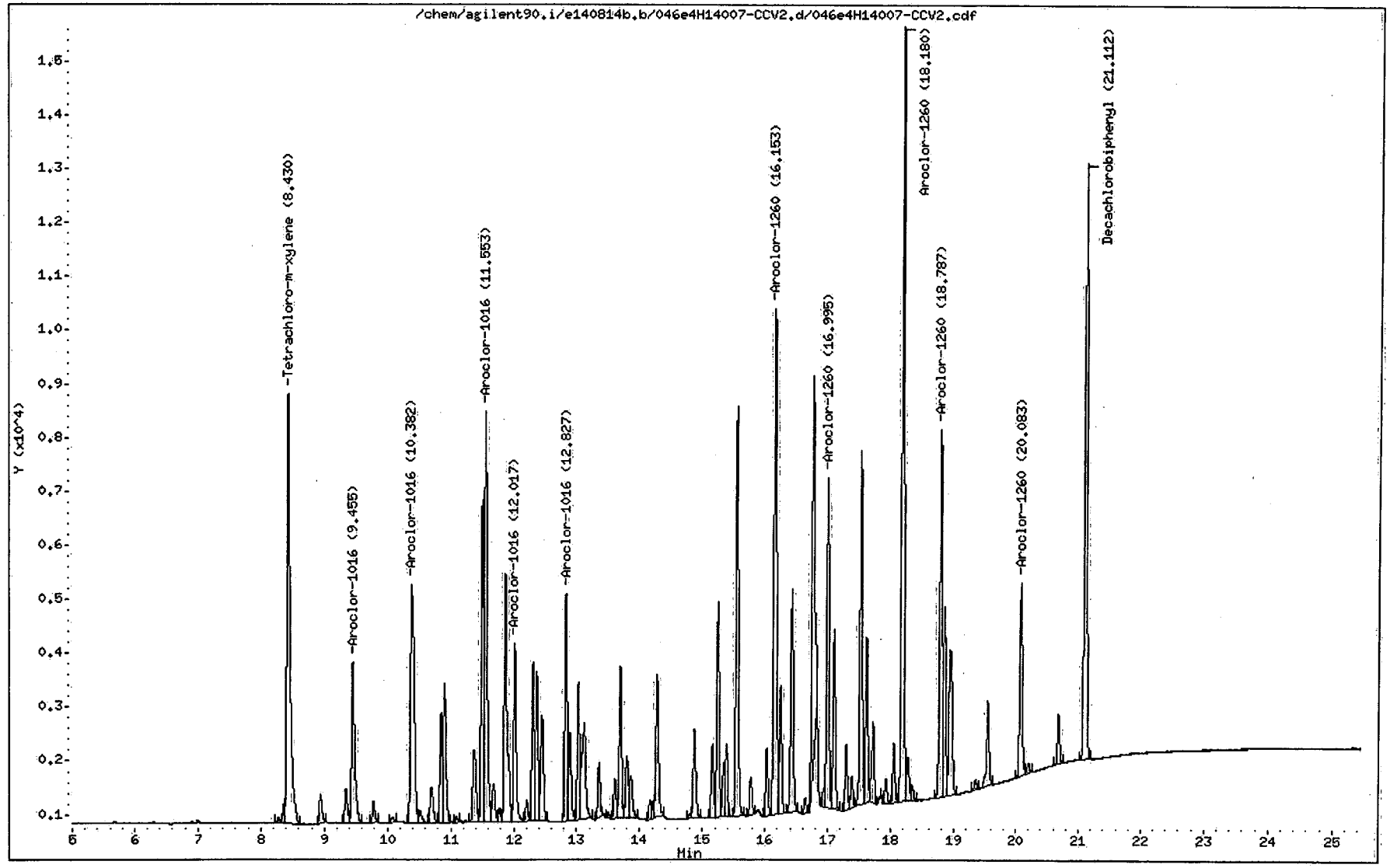
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814b.b/046e4H14007-CCV2.d
Date : 15-AUG-2014 10:36
Client ID: AR16603ED
Sample Info: 4H14007-CCV2
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814b.b/046e4H14007-CCV2.d
Lab Smp Id: 4H14007-CCV2 Client Smp ID: AR16603ED
Inj Date : 15-AUG-2014 10:36
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14007-CCV2
Misc Info : AR16603ED
Comment :
Method : /chem/agilent90.i/e140814b.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 11:10 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.455	9.452	0.003	9519	0.40000	0.416	80.00- 120.00	100.00
10.382	10.377	0.005	18038	0.40000	0.411	169.49- 209.49	189.49
11.553	11.550	0.003	22228	0.40000	0.405	213.49- 253.49	233.49
12.017	12.013	0.004	9212	0.40000	0.423	76.78- 116.78	96.78
12.827	12.823	0.004	11073	0.40000	0.421	96.32- 136.32	116.32
Average of Peak Amounts =					0.415		
8 Aroclor-1260					CAS #: 11096-82-5		
16.153	16.153	0.000	28506	0.40000	0.417	80.00- 120.00	100.00
16.995	16.993	0.002	15328	0.40000	0.403	33.77- 73.77	53.77
18.180	18.178	0.002	36964	0.40000	0.433	109.67- 149.67	129.67
18.787	18.788	-0.001	18095	0.40000	0.454	43.48- 83.48	63.48

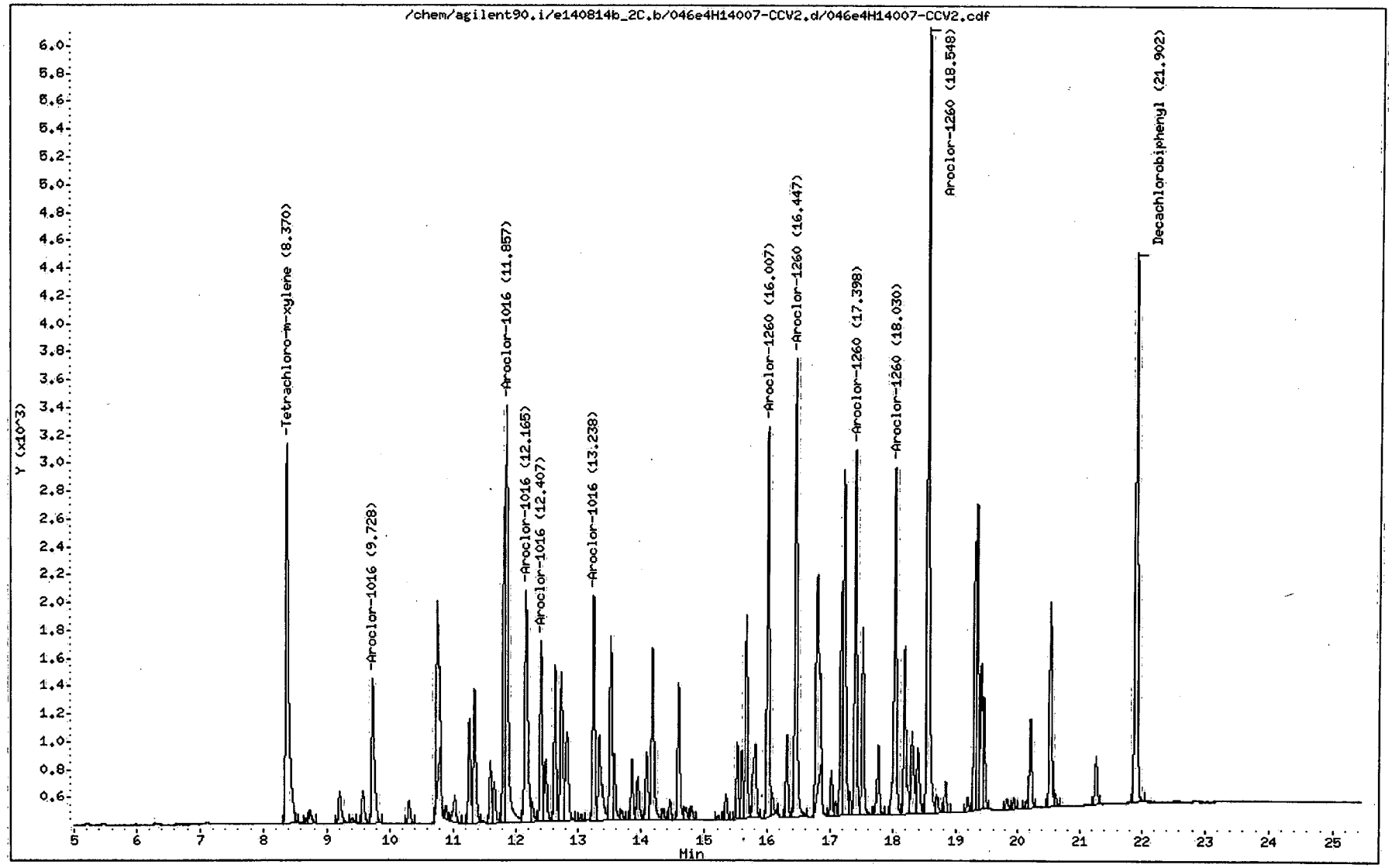
Teresa Arnett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
20.083	20.082	0.001	9260	0.40000	0.444	12.49- 52.49	32.49
Average of Peak Amounts =					0.43		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.112	21.107	0.005	29444	0.04000	0.0425	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.430	8.425	0.005	26901	0.02000	0.0203	80.00- 120.00	100.00

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814b_2C.b/046e4H14007-CCV2.d
Date : 15-AUG-2014 10:36
Client ID: AR16603ED
Sample Info: 4H14007-CCV2
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814b_2C.b/046e4H14007-CCV2.d
Lab Smp Id: 4H14007-CCV2 Client Smp ID: AR16603ED
Inj Date : 15-AUG-2014 10:36
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14007-CCV2
Misc Info : AR16603ED
Comment :
Method : /chem/agilent90.i/e140814b_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 11:11 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.728	9.728	0.000	3201	0.40000	0.405	80.00- 120.00	100.00(a)
11.857	11.855	0.002	8886	0.40000	0.405	257.58- 297.58	277.58
12.165	12.165	0.000	5292	0.40000	0.428	145.32- 185.32	165.32
12.407	12.407	0.000	3270	0.40000	0.437	82.16- 122.16	102.16
13.238	13.238	0.000	3964	0.40000	0.416	103.82- 143.82	123.82
Average of Peak Amounts =					0.418		
8 Aroclor-1260					CAS #: 11096-82-5		
16.007	16.007	0.000	6691	0.40000	0.388	80.00- 120.00	100.00(a)
16.447	16.445	0.002	8380	0.40000	0.411	105.23- 145.23	125.23
17.398	17.398	0.000	6306	0.40000	0.410	74.24- 114.24	94.24
18.030	18.030	0.000	6472	0.40000	0.412	76.71- 116.71	96.71

Teresa Arnett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
18.548	18.548	0.000	14434	0.40000	0.430	195.70- 235.70	215.70
Average of Peak Amounts =					0.41		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.902	21.900	0.002	11150	0.04000	0.0431	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.370	8.363	0.007	8930	0.02000	0.0201	80.00- 120.00	100.00

QC Flag Legend

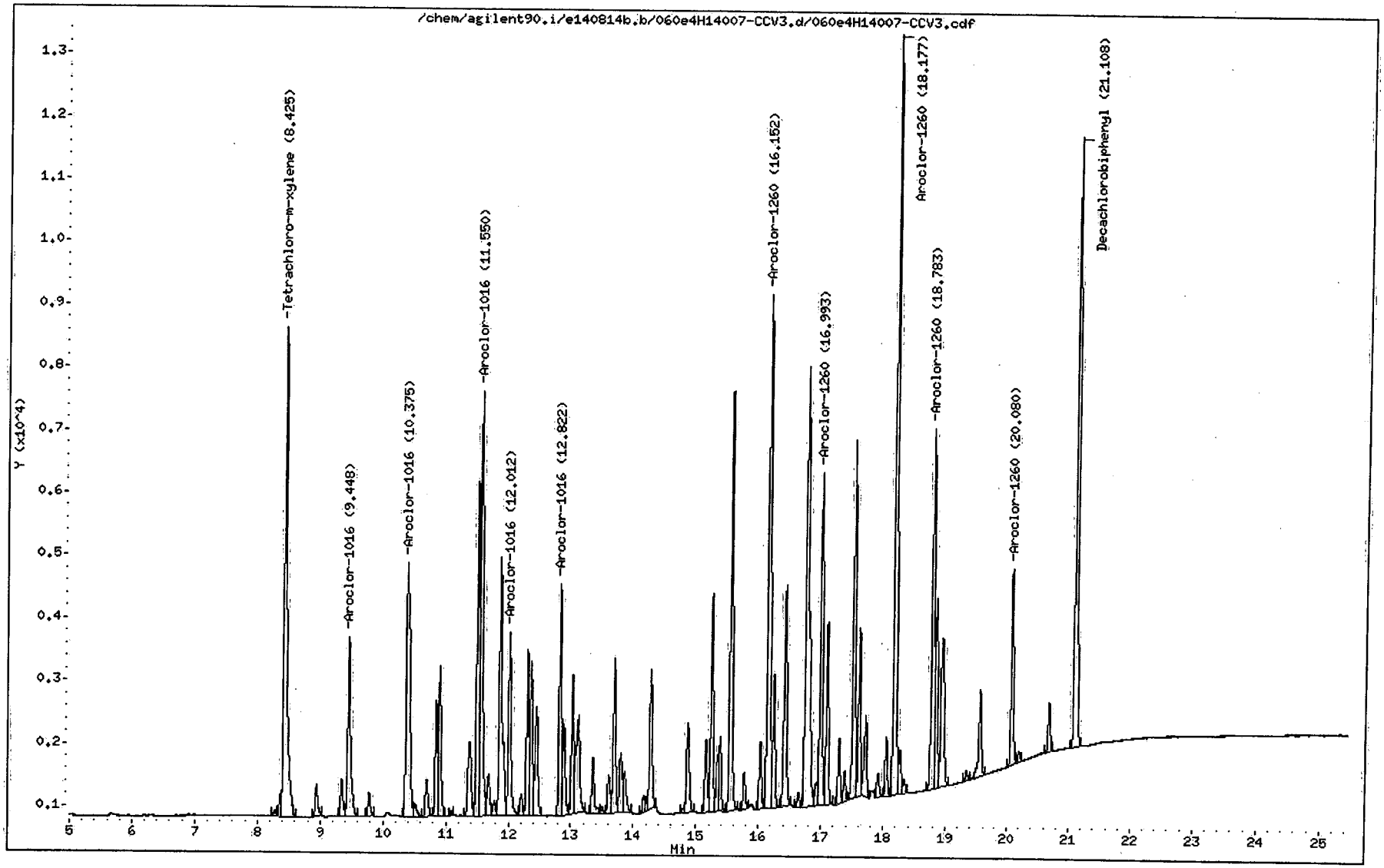
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814b.b/060e4H14007-CCV3.d
Date : 15-AUG-2014 17:57
Client ID: AR16603EE
Sample Info: 4H14007-CCV3
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/18/2014

CompuChem

Data file : /chem/agilent90.i/e140814b.b/060e4H14007-CCV3.d
Lab Smp Id: 4H14007-CCV3 Client Smp ID: AR16603EE
Inj Date : 15-AUG-2014 17:57
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14007-CCV3
Misc Info : AR16603EE
Comment :
Method : /chem/agilent90.i/e140814b.b/8082_clpestv9.m
Meth Date : 18-Aug-2014 11:47 spruskin Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: gilbert

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.448	9.452	-0.004	8716	0.40000	0.381	80.00- 120.00	100.00
10.375	10.377	-0.002	16495	0.40000	0.376	169.25- 209.25	189.25
11.550	11.550	0.000	20262	0.40000	0.369	212.47- 252.47	232.47
12.012	12.013	-0.001	8304	0.40000	0.381	75.27- 115.27	95.27
12.822	12.823	-0.001	9797	0.40000	0.372	92.40- 132.40	112.40
Average of Peak Amounts =					0.376		
8 Aroclor-1260					CAS #: 11096-82-5		
16.152	16.153	-0.001	24971	0.40000	0.365	80.00- 120.00	100.00
16.993	16.993	0.000	13795	0.40000	0.363	35.24- 75.24	55.24
18.177	18.178	-0.001	31821	0.40000	0.372	107.43- 147.43	127.43

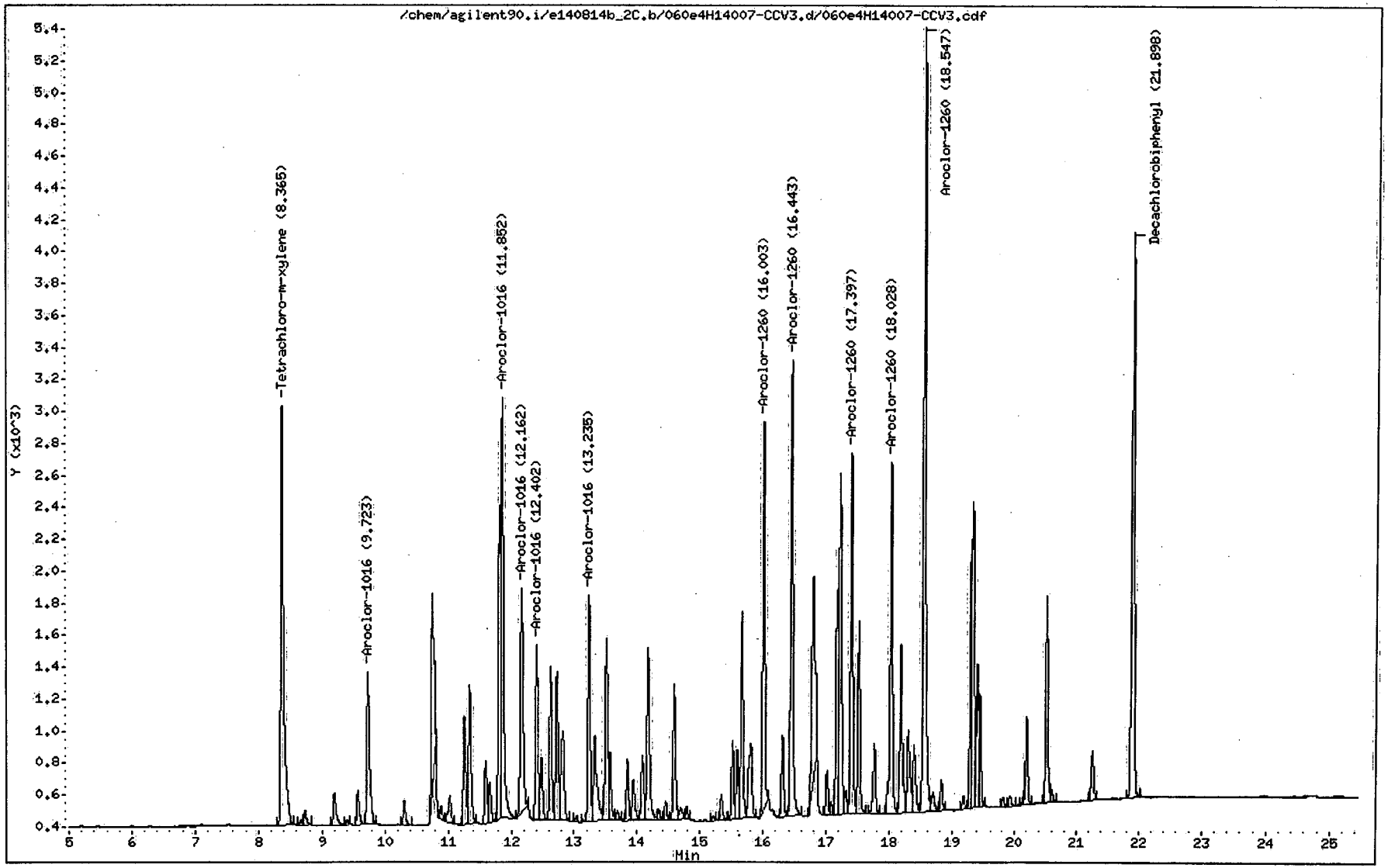
8/18/2014

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
18.783	18.788	-0.005	15795	0.40000	0.396	43.25- 83.25	63.25
20.080	20.082	-0.002	8184	0.40000	0.393	12.77- 52.77	32.77
Average of Peak Amounts =					0.378		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.108	21.107	0.001	26320	0.04000	0.0379	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.425	8.425	0.000	24667	0.02000	0.0186	80.00- 120.00	100.00

8/18/2014

Data File: /chem/agilent90.i/e140814b_2C.b/060e4H14007-CCV3.d
Date : 15-AUG-2014 17:57
Client ID: AR16603EE
Sample Info: 4H14007-CCV3
Volume Injected (uL): 1.0
Column phase: olpest2

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/18/2014

CompuChem

Data file : /chem/agilent90.i/e140814b_2C.b/060e4H14007-CCV3.d
Lab Smp Id: 4H14007-CCV3 Client Smp ID: AR16603EE
Inj Date : 15-AUG-2014 17:57
Operator : BWL Inst ID: agilent90.i
Smp Info : 4H14007-CCV3
Misc Info : AR16603EE
Comment :
Method : /chem/agilent90.i/e140814b_2C.b/8082_clpest2v9.m
Meth Date : 18-Aug-2014 11:48 spruskin Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: INDA.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: gilbert

Concentration Formula: Amt * DF * Uf * Vt/(Vo * Vi) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPC Correction factor
Vt	5000.00000	Volume of final extract (uL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
2 Aroclor-1016					CAS #: 12674-11-2		
9.723	9.728	-0.005	2920	0.40000	0.369	80.00- 120.00	100.00(a)
11.852	11.855	-0.003	7693	0.40000	0.350	243.46- 283.46	263.46
12.162	12.165	-0.003	4260	0.40000	0.344	125.89- 165.89	145.89
12.402	12.407	-0.005	2777	0.40000	0.371	75.10- 115.10	95.10
13.235	13.238	-0.003	3518	0.40000	0.370	100.48- 140.48	120.48
Average of Peak Amounts =					0.361		
8 Aroclor-1260					CAS #: 11096-82-5		
16.003	16.007	-0.004	5704	0.40000	0.331	80.00- 120.00	100.00(a)
16.443	16.445	-0.002	7251	0.40000	0.356	107.12- 147.12	127.12
17.397	17.398	-0.001	5525	0.40000	0.359	76.86- 116.86	96.86

8/18/2014

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	AMOUNTS ON-COL (ng)	TARGET RANGE	RATIO
8 Aroclor-1260 (continued)							
18.028	18.030	-0.002	5670	0.40000	0.361	79.40- 119.40	99.40
18.547	18.548	-0.001	12660	0.40000	0.377	201.95- 241.95	221.95
Average of Peak Amounts =					0.357		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.898	21.900	-0.002	9974	0.04000	0.0386	80.00- 120.00	100.00
$ 1 Tetrachloro-m-xylene					CAS #: 877-09-8		
8.365	8.363	0.002	8197	0.02000	0.0184	80.00- 120.00	100.00

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

8/18/2014

L. Identification Summary Analytes

(IDENTIFICATION SUMMARY FOR ANALYTES)

For all samples with positively identified single or multiple component analytes, in order by increasing Client Sample ID number.

IDENTIFICATION SUMMARY
FOR ANALYTES
8082A

ALCSCA

Lab Sample ID: 4081307-BS1 Date(s) Analyzed: 08/15/2014 08/15/2014

Instrument ID (1): agilent90 Instrument ID (2): agilent90

GC Column (1): clpest ID: 0.32 (mm) GC Column (2): clpest2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	12.82	12.76	12.90	2455	
	2	13.24	13.17	13.31	2505	2
Aroclor-1260	1	20.08	20.01	20.15	2488	
	2	18.55	18.48	18.62	2350	6

Environmental Testing Laboratories
CompuChem
A Division Of
Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH
nelac

IDENTIFICATION SUMMARY
FOR ANALYTES
8082A

ALCSDCA

Lab Sample ID: 4081307-BSD1 Date(s) Analyzed: 08/15/2014 08/15/2014

Instrument ID (1): agilent90 Instrument ID (2): agilent90

GC Column (1): clpest ID: 0.32 (mm) GC Column (2): clpest2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	12.83	12.76	12.90	2464	
	2	13.24	13.17	13.31	2490	1
Aroclor-1260	1	20.08	20.01	20.15	2349	
	2	18.55	18.48	18.62	2250	4

Environmental Testing Laboratories
CompuChem
A Division Of
Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH
nelac

M. Blank Data

Arranged by type of blank (method, instrument or sulfur cleanup where applicable) in chronological order, by instrument.
Shall include:

1) Method blanks shall be in chronological order, by extraction date.
2) Instrument blanks shall be in chronological order, by GC column and instrument.
3) Sulfur cleanup blanks (if needed) shall be in chronological order, by date of analysis.

- Tabulated Results (ANALYSIS DATA SHEET)
- Chromatograms and date system printout(s) for each GC column and instrument used for analysis.

ANALYSIS DATA SHEET

8082A

ABLKCA

Client: WESTON SOLUTIONS | SDG: 1408028 | Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Matrix: Soil | Extraction: EPA 3550B_GC | File ID: 036e4081307-BLK1.d | QC Type: Blank

Initial/Final: 1g / 5000uL | Sulfur Cleanup: N | Lab ID: 4081307-BLK1 | Column ID: clpest

Dilution: 1 | pH: | Florisil Cleanup: N | Prepared: 08/13/14 14:18

% Moisture: NA | GPC Cleanup: N | GPC Cleanup Factor: N | Analyzed: 08/15/14 05:32

Batch: 4081307 | Sequence: 4H14007 | Calibration: 4081501 | Instrument: agilent90

CAS NO.	COMPOUND	CONC.(ug/kg)	MDL	RL	Q
12674-11-2	Aroclor-1016		2.8	17	U
11104-28-2	Aroclor-1221		5.4	17	U
11141-16-5	Aroclor-1232		4.9	17	U
53469-21-9	Aroclor-1242		1.9	17	U
12672-29-6	Aroclor-1248		1.2	17	U
11097-69-1	Aroclor-1254		1.7	17	U
11096-82-5	Aroclor-1260		1.8	17	U

SURROGATE RECOVERY RESULTS	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
DCB (A)	300.0	299.6	100	43 - 144	
TCX (A)	150.0	146.1	97	43 - 135	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

ANALYSIS DATA SHEET

8082A

ABLKCA

Client: WESTON SOLUTIONS | SDG: 1408028 | Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Matrix: Soil | Extraction: EPA 3550B_GC | File ID: 036e4081307-BLK1.d | QC Type: Blank

Initial/Final: 1g / 5000uL | Sulfur Cleanup: N | Lab ID: 4081307-BLK1 | Column ID: clpest2

Dilution: 1 | pH: | Florisil Cleanup: N | Prepared: 08/13/14 14:18

% Moisture: NA | GPC Cleanup: N | GPC Cleanup Factor: N | Analyzed: 08/15/14 05:32

Batch: 4081307 | Sequence: 4H14007 | Calibration: 4081501 | Instrument: agilent90

CAS NO.	COMPOUND	CONC.(ug/kg)	MDL	RL	Q
12674-11-2	Aroclor-1016 [2C]		2.8	17	U
11104-28-2	Aroclor-1221 [2C]		5.4	17	U
11141-16-5	Aroclor-1232 [2C]		4.9	17	U
53469-21-9	Aroclor-1242 [2C]		1.9	17	U
12672-29-6	Aroclor-1248 [2C]		1.2	17	U
11097-69-1	Aroclor-1254 [2C]		1.7	17	U
11096-82-5	Aroclor-1260 [2C]		1.8	17	U

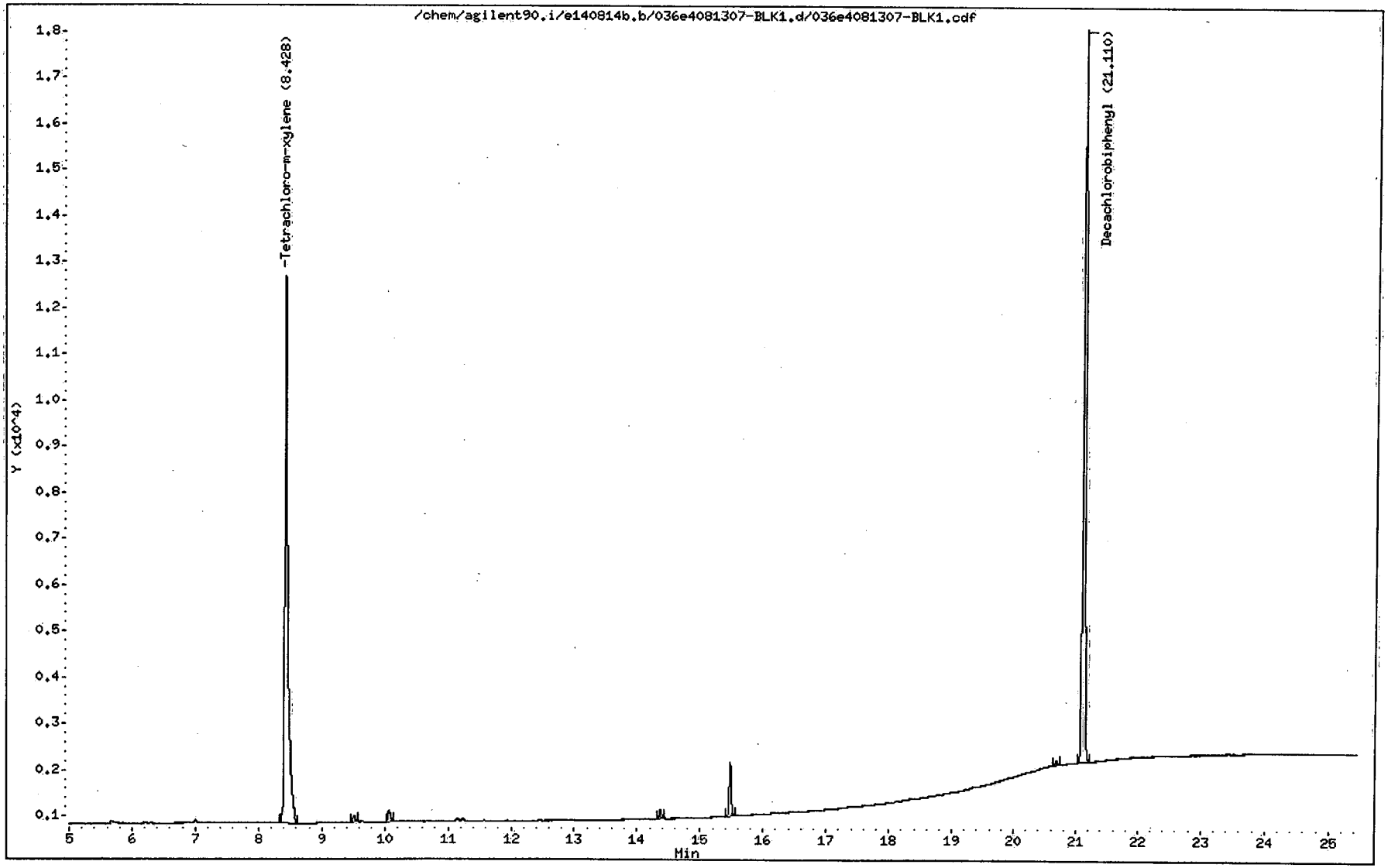
SURROGATE RECOVERY RESULTS	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
DCB (A) [2C]	300.0	294.6	98	43 - 144	
TCX (A) [2C]	150.0	146.6	98	43 - 135	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

Data File: /chem/agilent90.i/e140814b.b/036e4081307-BLK1.d
Date : 15-AUG-2014 05:32
Client ID: ABLKCA
Sample Info: 4081307-BLK1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814b.b/036e4081307-BLK1.d
Lab Smp Id: 4081307-BLK1 Client Smp ID: ABLKCA
Inj Date : 15-AUG-2014 05:32
Operator : BWL Inst ID: agilent90.i
Smp Info : 4081307-BLK1
Misc Info : ABLKCA
Comment :
Method : /chem/agilent90.i/e140814b.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 11:10 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8082.sub
Target Version: 3.50 Sample Matrix: SOIL

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws) * (100/(100 - M)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPCCorrection factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	1.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-Xylene					CAS #: 877-09-8		
8.428	8.425	0.003	38750	0.02921	146	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.110	21.107	0.003	41558	0.05992	300	80.00- 120.00	100.00

Teresa Arnett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	CONCENTRATIONS FINAL (ug/Kg)	TARGET RANGE	RATIO

2 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

3 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

4 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

5 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

---

6 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

---

7 Aroclor-1254 CAS #: 11097-69-1

Operator disabled compound identification.

---

8 Aroclor-1260 CAS #: 11096-82-5

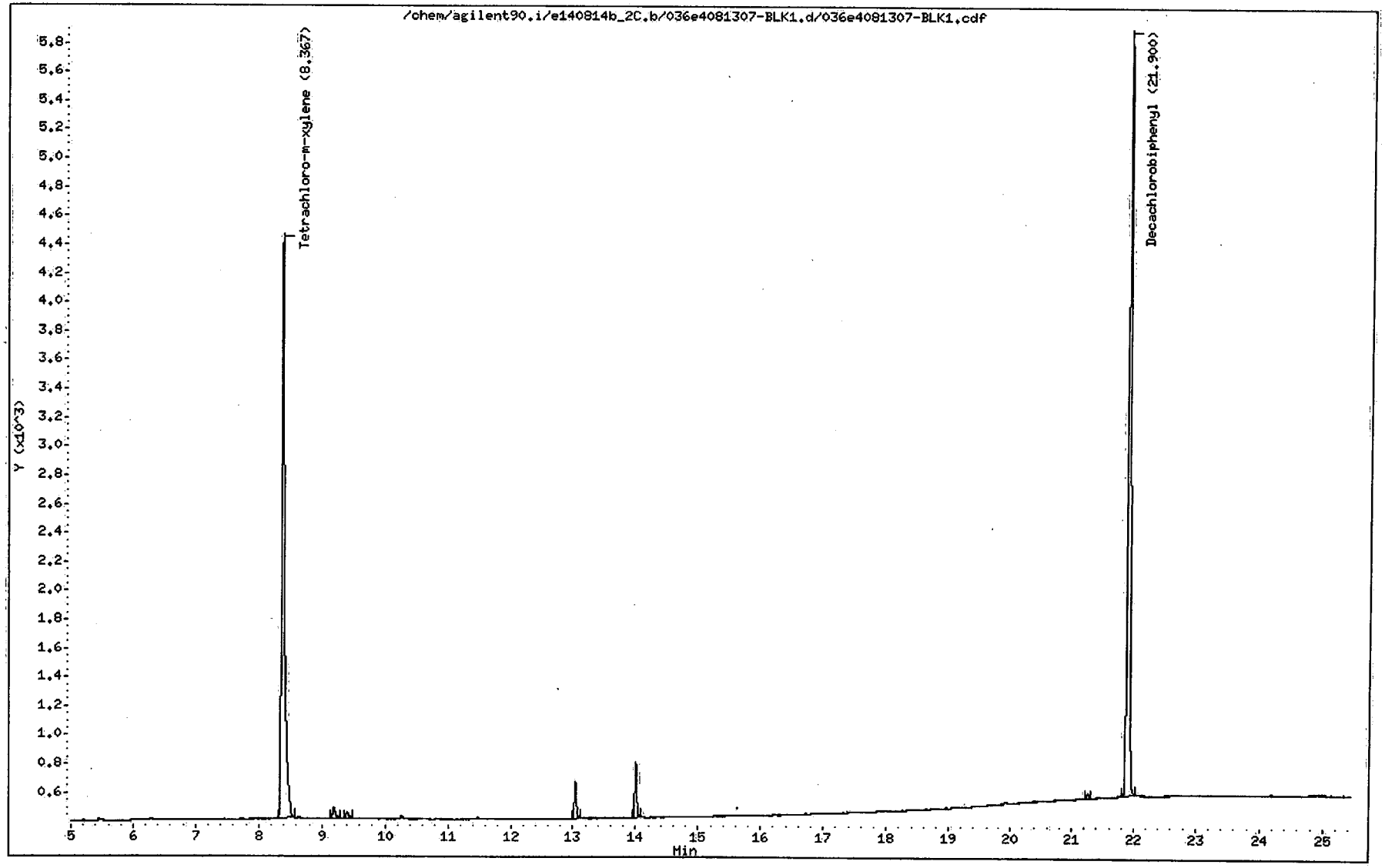
Operator disabled compound identification.

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814b_2C.b/036e4081307-BLK1.d
Date : 15-AUG-2014 05:32
Client ID: ABLKCA
Sample Info: 4081307-BLK1
Volume Injected (uL): 1.0
Column phase: clpest2

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814b_2C.b/036e4081307-BLK1.d
Lab Smp Id: 4081307-BLK1 Client Smp ID: ABLKCA
Inj Date : 15-AUG-2014 05:32
Operator : BWL Inst ID: agilent90.i
Smp Info : 4081307-BLK1
Misc Info : ABLKCA
Comment :
Method : /chem/agilent90.i/e140814b_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 11:11 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8082.sub
Target Version: 3.50 Sample Matrix: SOIL

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws) * (100/(100 - M)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPCCorrection factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	1.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-Xylene					CAS #: 877-09-8		
8.367	8.363	0.004	13027	0.02932	147	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.900	21.900	0.000	15228	0.05891	295	80.00- 120.00	100.00

Teresa Arnett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO

2 Aroclor-1016 CAS #: 12674-11-2

Operator disabled compound identification.

---

3 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

4 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

5 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

---

6 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

---

7 Aroclor-1254 CAS #: 11097-69-1

Operator disabled compound identification.

---

8 Aroclor-1260 CAS #: 11096-82-5

Operator disabled compound identification.

Teresa Arnett Jennings 8/15/2014

N. Laboratory Control Sample Data

Tabulated Results (ANALYSIS DATA SHEET)

Chromatograms and data system printout(s)

ANALYSIS DATA SHEET

8082A

ALCSCA

Client: WESTON SOLUTIONS | SDG: 1408028 | Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Matrix: Soil | Extraction: EPA 3550B_GC | File ID: 038e4081307-BS1.d | QC Type: LCS

Initial/Final: 1g / 5000uL | Sulfur Cleanup: N | Lab ID: 4081307-BS1 | Column ID: clpest

Dilution: 1 | pH: | Florisil Cleanup: N | Prepared: 08/13/14 14:18

% Moisture: NA | GPC Cleanup: N | GPC Cleanup Factor: N | Analyzed: 08/15/14 06:33

Batch: 4081307 | Sequence: 4H14007 | Calibration: 4081501 | Instrument: agilent90

CAS NO.	COMPOUND	CONC.(ug/kg)	MDL	RL	Q
12674-11-2	Aroclor-1016	2455	2.8	17	
11096-82-5	Aroclor-1260	2488	1.8	17	

SURROGATE RECOVERY RESULTS	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
DCB (A)	300.0	297.7	99	43 - 144	
TCX (A)	150.0	145.9	97	43 - 135	

CompuChem
A Division Of
Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

ANALYSIS DATA SHEET

8082A

ALCSCA

Client: WESTON SOLUTIONS | SDG: 1408028 | Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Matrix: Soil | Extraction: EPA 3550B_GC | File ID: 038e4081307-BS1.d | QC Type: LCS

Initial/Final: 1g / 5000uL | Sulfur Cleanup: N | Lab ID: 4081307-BS1 | Column ID: clpest2

Dilution: 1 | pH: | Florisil Cleanup: N | Prepared: 08/13/14 14:18

% Moisture: NA | GPC Cleanup: N | GPC Cleanup Factor: N | Analyzed: 08/15/14 06:33

Batch: 4081307 | Sequence: 4H14007 | Calibration: 4081501 | Instrument: agilent90

CAS NO.	COMPOUND	CONC.(ug/kg)	MDL	RL	Q
12674-11-2	Aroclor-1016 [2C]	2505	2.8	17	
11096-82-5	Aroclor-1260 [2C]	2350	1.8	17	

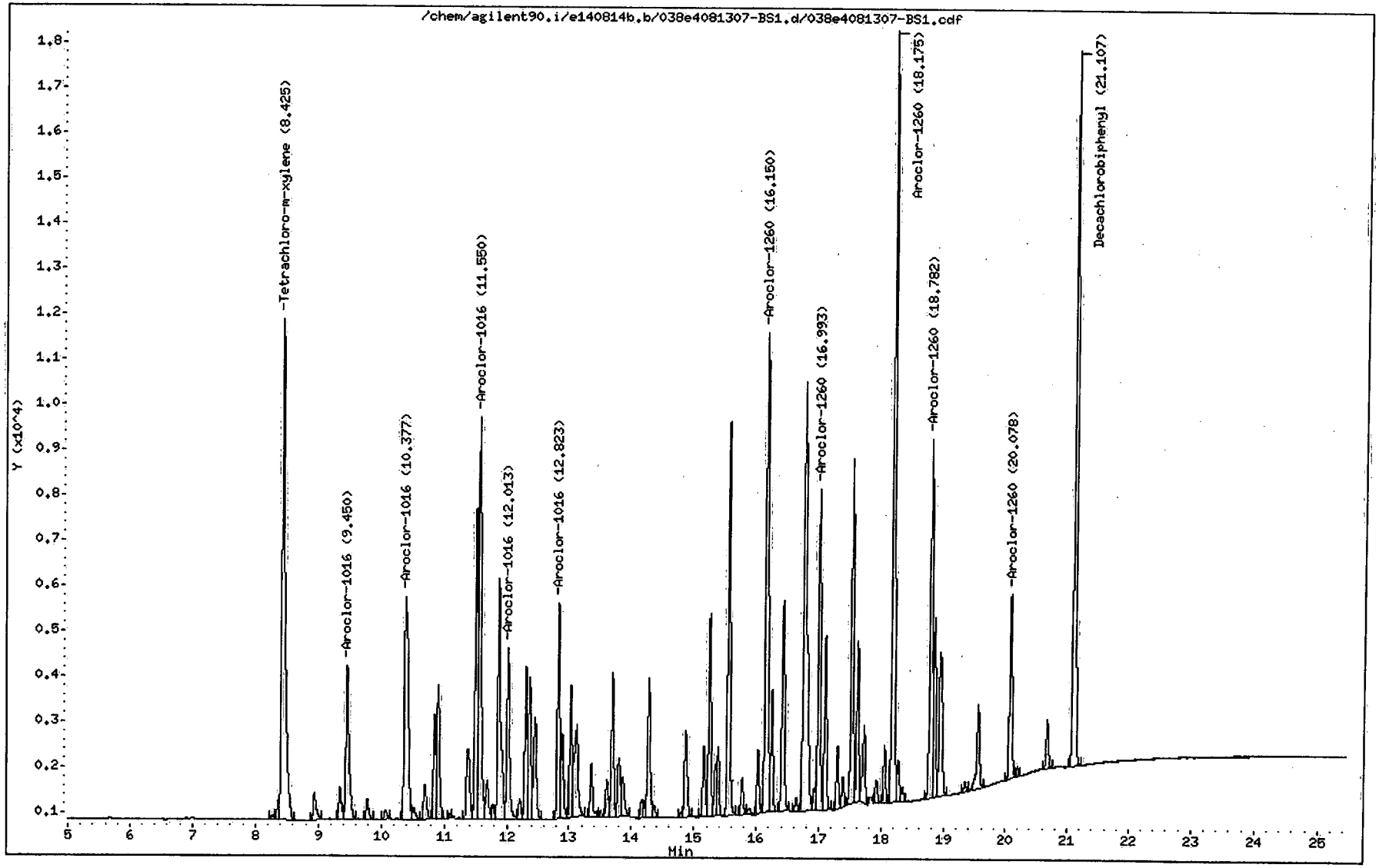
SURROGATE RECOVERY RESULTS	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
DCB (A) [2C]	300.0	299.3	100	43 - 144	
TCX (A) [2C]	150.0	146.9	98	43 - 135	

Environmental Testing Laboratories CompuChem A Division Of Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH nelac

Data File: /chem/agilent90.i/e140814b.b/038e4081307-BS1.d
Date : 15-AUG-2014 06:33
Client ID: ALCSCA
Sample Info: 4081307-BS1
Volume Injected (uL): 1.0
Column phase: olpest

Instrument: agilent90.i
Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814b.b/038e4081307-BS1.d
Lab Smp Id: 4081307-BS1 Client Smp ID: ALCSCA
Inj Date : 15-AUG-2014 06:33
Operator : BWL Inst ID: agilent90.i
Smp Info : 4081307-BS1
Misc Info : ALCSCA
Comment :
Method : /chem/agilent90.i/e140814b.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 11:10 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8082.sub
Target Version: 3.50 Sample Matrix: SOIL

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws) * (100/(100 - M)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPCCorrection factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	1.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-Xylene					CAS #: 877-09-8		
8.425	8.425	0.000	38702	0.02917	146	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.107	21.107	0.000	41295	0.05954	298	80.00- 120.00	100.00
2 Aroclor-1016					CAS #: 12674-11-2		
9.450	9.452	-0.002	11300	0.49400	2470	80.00- 120.00	100.00
10.377	10.377	0.000	21256	0.48424	2420	169.49- 209.49	188.11
11.550	11.550	0.000	26815	0.48859	2440	213.49- 253.49	237.30
12.013	12.013	0.000	11001	0.50466	2520	76.78- 116.78	97.35

Teresa Amitt Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
2 Aroclor-1016 (continued)							
12.823	12.823	0.000	12729	0.48385	2420	96.32- 136.32	112.65
Average of Peak Concentrations =					2460		

---

3 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

---

4 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

---

5 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

---

6 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

---

7 Aroclor-1254 CAS #: 11097-69-1

Operator disabled compound identification.

---

8 Aroclor-1260 CAS #: 11096-82-5

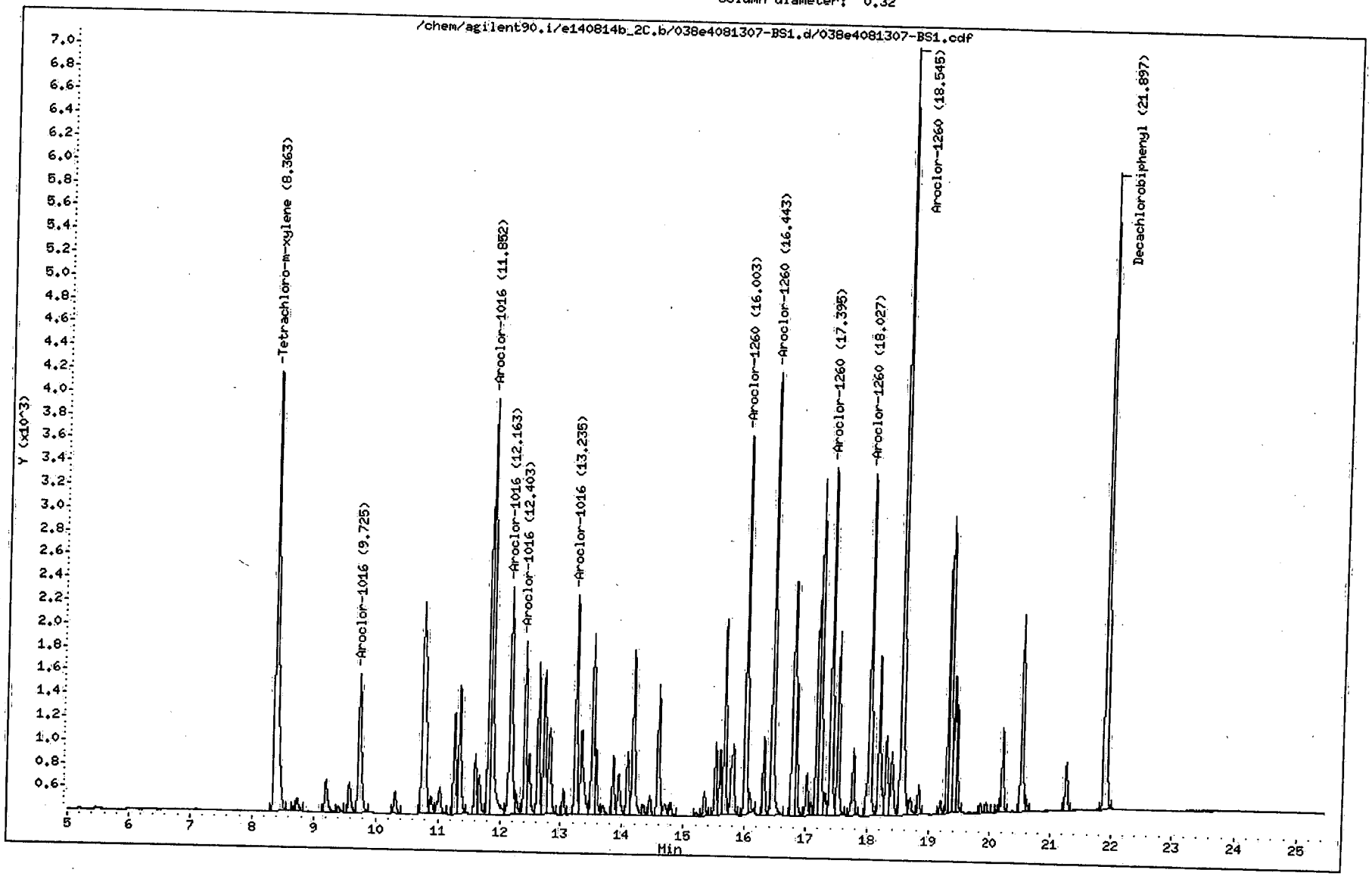
16.150	16.153	-0.003	32234	0.47170	2360	80.00- 120.00	100.00
16.993	16.993	0.000	18157	0.47715	2390	33.77- 73.77	56.33
18.175	18.178	-0.003	42714	0.49987	2500	109.67- 149.67	132.51
18.782	18.788	-0.006	21013	0.52723	2640	43.48- 83.48	65.19
20.078	20.082	-0.004	10671	0.51206	2560	12.49- 52.49	33.10
Average of Peak Concentrations =					2490		

Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814b_2C.b/038e4081307-BS1.d
Date : 15-AUG-2014 06:33
Client ID: ALCSCA
Sample Info: 4081307-BS1
Volume Injected (uL): 1.0
Column phase: olpest2

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814b_2C.b/038e4081307-BS1.d
Lab Smp Id: 4081307-BS1 Client Smp ID: ALCSCA
Inj Date : 15-AUG-2014 06:33
Operator : BWL Inst ID: agilent90.i
Smp Info : 4081307-BS1
Misc Info : ALCSCA
Comment :
Method : /chem/agilent90.i/e140814b_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 11:11 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8082.sub
Target Version: 3.50 Sample Matrix: SOIL

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws) * (100/(100 - M)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPCCorrection factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	1.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-Xylene					CAS #: 877-09-8		
8.363	8.363	0.000	13052	0.02938	147	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.897	21.900	-0.003	15472	0.05986	299	80.00- 120.00	100.00
2 Aroclor-1016					CAS #: 12674-11-2		
9.725	9.728	-0.003	3862	0.48812	2440	80.00- 120.00	100.00
11.852	11.855	-0.003	11076	0.50423	2520	257.58- 297.58	286.79
12.163	12.165	-0.002	6286	0.50811	2540	145.32- 185.32	162.77
12.403	12.407	-0.004	3872	0.51781	2590	82.16- 122.16	100.26

Teresa Arnett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
2 Aroclor-1016 (continued)							
13.235	13.238	-0.003	4637	0.48716	2440	103.82- 143.82	120.07
Average of Peak Concentrations =					2510		

3 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

4 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

5 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

6 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

7 Aroclor-1254 CAS #: 11097-69-1

Operator disabled compound identification.

8 Aroclor-1260 CAS #: 11096-82-5

16.003	16.007	-0.004	7649	0.44387	2220	80.00- 120.00	100.00
16.443	16.445	-0.002	9497	0.46574	2330	105.23- 145.23	124.16
17.395	17.398	-0.003	7227	0.46985	2350	74.24- 114.24	94.48
18.027	18.030	-0.003	7401	0.47058	2350	76.71- 116.71	96.76
18.545	18.548	-0.003	16774	0.49984	2500	195.70- 235.70	219.30
Average of Peak Concentrations =					2350		

Teresa Arnett Jennings 8/15/2014

ANALYSIS DATA SHEET

8082A

ALCSDCA

Client: WESTON SOLUTIONS
SDG: 1408028
Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Matrix: Soil
Extraction: EPA 3550B_GC
File ID: 039e4081307-BSD1.d
QC Type: LCS Dup

Initial/Final: 1g / 5000uL
Sulfur Cleanup: N
Lab ID: 4081307-BSD1
Column ID: clpest

Dilution: 1
pH:
Florisil Cleanup: N
Prepared: 08/13/14 14:18

% Moisture: NA
GPC Cleanup: N
GPC Cleanup Factor: N
Analyzed: 08/15/14 07:03

Batch: 4081307
Sequence: 4H14007
Calibration: 4081501
Instrument: agilent90

CAS NO.	COMPOUND	CONC.(ug/kg)	MDL	RL	Q
12674-11-2	Aroclor-1016	2464	2.8	17	
11096-82-5	Aroclor-1260	2349	1.8	17	

SURROGATE RECOVERY RESULTS	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
DCB (A)	300.0	274.7	92	43 - 144	
TCX (A)	150.0	146.7	98	43 - 135	

Environmental Testing Laboratories
CompuChem
A Division Of
Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH
nelac

ANALYSIS DATA SHEET

8082A

ALCSDCA

Client: WESTON SOLUTIONS
SDG: 1408028
Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ

Matrix: Soil
Extraction: EPA 3550B GC
File ID: 039e4081307-BSD1.d
QC Type: LCS Dup

Initial/Final: 1g / 5000uL
Sulfur Cleanup: N
Lab ID: 4081307-BSD1
Column ID: clpest2

Dilution: 1
pH:
Florisil Cleanup: N
Prepared: 08/13/14 14:18

% Moisture: NA
GPC Cleanup: N
GPC Cleanup Factor: N
Analyzed: 08/15/14 07:03

Batch: 4081307
Sequence: 4H14007
Calibration: 4081501
Instrument: agilent90

CAS NO.	COMPOUND	CONC.(ug/kg)	MDL	RL	Q
12674-11-2	Aroclor-1016 [2C]	2490	2.8	17	
11096-82-5	Aroclor-1260 [2C]	2250	1.8	17	

SURROGATE RECOVERY RESULTS	ADDED (ug/kg)	CONC (ug/kg)	% REC	QC LIMITS	Q
DCB (A) [2C]	300.0	277.7	93	43 - 144	
TCX (A) [2C]	150.0	148.5	99	43 - 135	

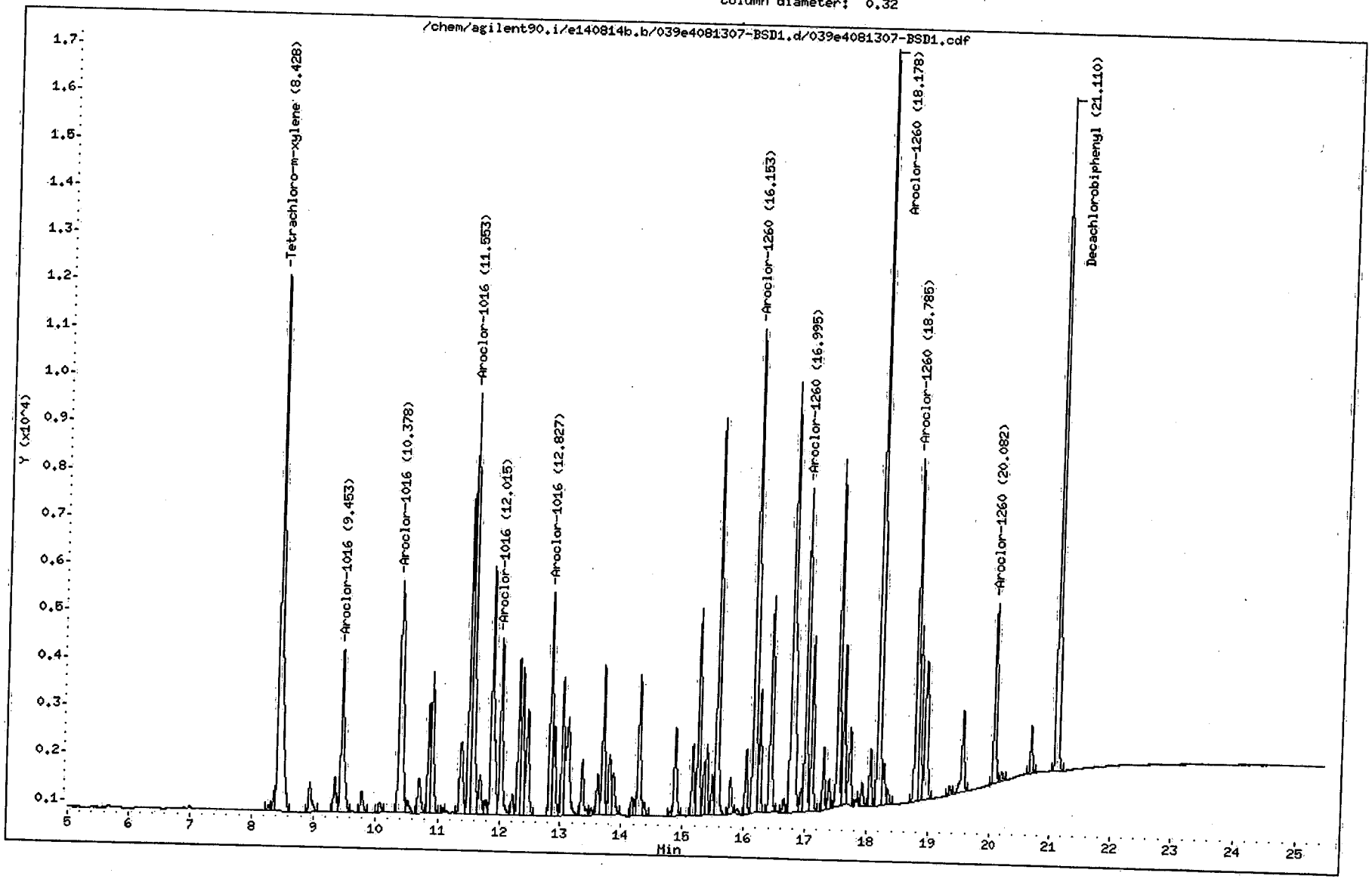
Environmental Testing Laboratories
CompuChem
A Division Of
Liberty Analytical Corp.

ACCREDITED IN ACCORDANCE WITH
nelac

Data File: /chem/agilent90.i/e140814b.b/039e4081307-BSD1.d
Date : 15-AUG-2014 07:03
Client ID: ALCSDCA
Sample Info: 4081307-BSD1
Volume Injected (uL): 1.0
Column phase: clpest

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814b.b/039e4081307-BSD1.d
Lab Smp Id: 4081307-BSD1 Client Smp ID: ALCSDCA
Inj Date : 15-AUG-2014 07:03
Operator : BWL Inst ID: agilent90.i
Smp Info : 4081307-BSD1
Misc Info : ALCSDCA
Comment :
Method : /chem/agilent90.i/e140814b.b/8082_clpestv9.m
Meth Date : 15-Aug-2014 11:10 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8082.sub
Target Version: 3.50 Sample Matrix: SOIL

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws) * (100/(100 - M)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPCCorrection factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	1.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-Xylene					CAS #: 877-09-8		
8.428	8.425	0.003	38915	0.02933	147	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.110	21.107	0.003	38101	0.05494	275	80.00- 120.00	100.00
2 Aroclor-1016					CAS #: 12674-11-2		
9.453	9.452	0.001	11368	0.49697	2480	80.00- 120.00	100.00
10.378	10.377	0.001	21200	0.48296	2410	169.49- 209.49	186.49
11.553	11.550	0.003	27230	0.49615	2480	213.49- 253.49	239.53
12.015	12.013	0.002	10975	0.50347	2520	76.78- 116.78	96.54

Teresa Arnett Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
2 Aroclor-1016 (continued)							
12.827	12.823	0.004	12756	0.48488	2420	96.32- 136.32	112.21
Average of Peak Concentrations =					2460		

3 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

4 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

5 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

6 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

7 Aroclor-1254 CAS #: 11097-69-1

Operator disabled compound identification.

8 Aroclor-1260 CAS #: 11096-82-5

16.153	16.153	0.000	31062	0.45455	2270	80.00- 120.00	100.00
16.995	16.993	0.002	17403	0.45734	2290	33.77- 73.77	56.03
18.178	18.178	0.000	40094	0.46921	2350	109.67- 149.67	129.08
18.785	18.788	-0.003	19574	0.49113	2460	43.48- 83.48	63.02
20.082	20.082	0.000	9934	0.47669	2380	12.49- 52.49	31.98
Average of Peak Concentrations =					2350		

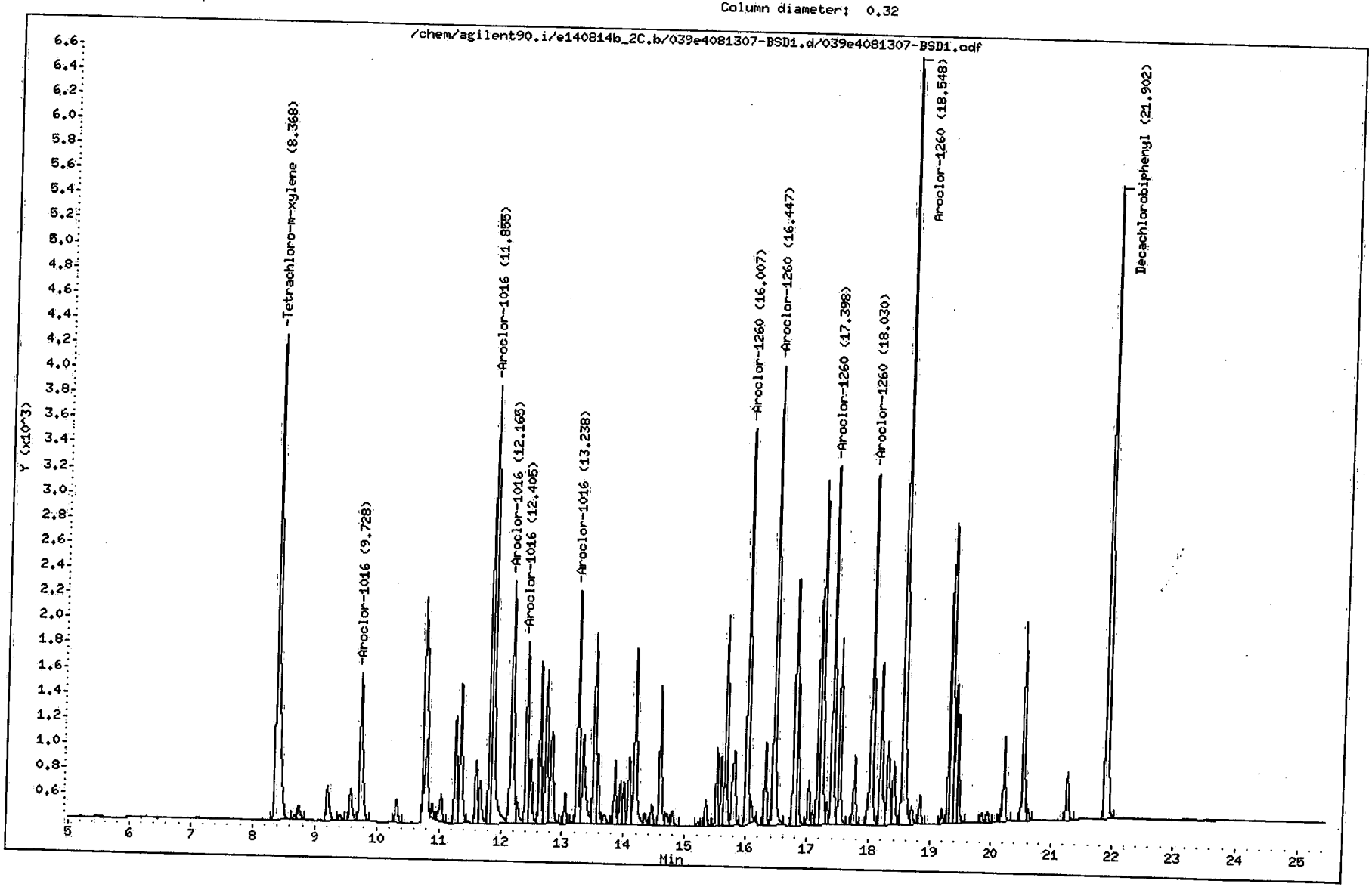
Teresa Arnett Jennings 8/15/2014

Data File: /chem/agilent90.i/e140814b_2C.b/039e4081307-BSD1.d
Date : 15-AUG-2014 07:03
Client ID: ALCSDCA
Sample Info: 4081307-BSD1
Volume Injected (uL): 1.0
Column phase: olpest2

Page 3

Instrument: agilent90.i

Operator: BWL
Column diameter: 0.32



8/15/2014

CompuChem

Data file : /chem/agilent90.i/e140814b_2C.b/039e4081307-BSD1.d
Lab Smp Id: 4081307-BSD1 Client Smp ID: ALCSDCA
Inj Date : 15-AUG-2014 07:03
Operator : BWL Inst ID: agilent90.i
Smp Info : 4081307-BSD1
Misc Info : ALCSDCA
Comment :
Method : /chem/agilent90.i/e140814b_2C.b/8082_clpest2v9.m
Meth Date : 15-Aug-2014 11:11 lake Quant Type: ESTD
Cal Date : 14-AUG-2014 17:23 Cal File: 012e4H14006-CAL3.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8082.sub
Target Version: 3.50 Sample Matrix: SOIL

Concentration Formula:
Amt * DF * Uf * Vt/(Vi * Ws) * (100/(100 - M)) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	GPCCorrection factor
Vt	5000.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	1.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
$ 1 Tetrachloro-m-Xylene					CAS #: 877-09-8		
8.368	8.363	0.005	13194	0.02970	148	80.00- 120.00	100.00
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
21.902	21.900	0.002	14354	0.05553	278	80.00- 120.00	100.00
2 Aroclor-1016					CAS #: 12674-11-2		
9.728	9.728	0.000	3826	0.48357	2420	80.00- 120.00	100.00
11.855	11.855	0.000	10972	0.49949	2500	257.58- 297.58	286.77
12.165	12.165	0.000	6272	0.50698	2530	145.32- 185.32	163.93
12.405	12.407	-0.002	3858	0.51594	2580	82.16- 122.16	100.84

Teresa Amott Jennings 8/15/2014

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ng)	FINAL (ug/Kg)	TARGET RANGE	RATIO
2 Aroclor-1016 (continued)							
13.238	13.238	0.000	4610	0.48433	2420	103.82- 143.82	120.49
Average of Peak Concentrations =					2490		

3 Aroclor-1221 CAS #: 11104-28-2

Operator disabled compound identification.

4 Aroclor-1232 CAS #: 11141-16-5

Operator disabled compound identification.

5 Aroclor-1242 CAS #: 53469-21-9

Operator disabled compound identification.

6 Aroclor-1248 CAS #: 12672-29-6

Operator disabled compound identification.

7 Aroclor-1254 CAS #: 11097-69-1

Operator disabled compound identification.

8 Aroclor-1260 CAS #: 11096-82-5

16.007	16.007	0.000	7490	0.43465	2170	80.00- 120.00	100.00
16.447	16.445	0.002	9188	0.45058	2250	105.23- 145.23	122.67
17.398	17.398	0.000	6862	0.44612	2230	74.24- 114.24	91.62
18.030	18.030	0.000	7095	0.45112	2260	76.71- 116.71	94.73
18.548	18.548	0.000	15698	0.46777	2340	195.70- 235.70	209.59
Average of Peak Concentrations =					2250		

Teresa Arnett Jennings 8/15/2014

P. Run Logs / Prep Sheets / Internal CoC Documents / Standard Preparation Information / Manual Integration Summary

Run Logs

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
COMPUCHEM LOGBOOK 4 Q (5) 20

Instrument ID 90 File Path: e140814 DATE 8/14/14

Method: 8081B (8082A) 8151A SOM01.2 (Circle one) or Other: _____

TAJ 8/15/14

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column ☐ Other: _____

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		1	/	8 14/14	Hexane	solvent		BWL	
2		2	/	/ /	Hexane	solvent			
3		3	/	/ /	4H1614006-ARC1	4D23013	AR12213EA		
4		4	/	/ /	TAJ 8/15/14 -ARC2	4E22006	AR12323EA		
5		5	/	/ /	-ARC3	4D23018	AR12423EA		
6		6	/	/ /	-ARC4	4D23023	AR12483EA		
7		7	/	/ /	-ARC5	4G30021	AR12543EA		
8		8	/	/ /	-ARC6	4C14009	AR12623EA		
9		9	/	/ /	-ARC7	4D23028	AR12683EA		
10		10	/	/ /	-CAL1	4G25036	AR16601EA		
11		11	/	/ /	-CAL2	4G25037	AR16602EA		
12		12	/	/ /	-CAL3	4G25038	AR16603EA		
13		13	/	/ /	-CAL4	4G25039	AR16604EA		
14		14	/	/ /	-CAL5	4G25040	AR16605EA		
15		15	/	/ /	-SCV1	4B26017	SCV16600EA		
16				/ /					
17				/ /					
18				/ /					
19				/ /					TAJ 8/15/14
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: 4081501 Sequence ID: 4H14006 Hexane Lot No 4C19026

REVIEWED BY: [signature] DATE 8/15/14

06/25/10: jad

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
COMPUCHEM LOGBOOK 4 Q (5) 20

Instrument ID 90 File Path: e140814a DATE 8/14/14

Method: 8081B (8082A) 8151A SOM01.2 (Circle one) or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column ☐ Other: _____

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		16	/	8/14/14	4H14007-ICV1	4G25038	AR16603EB	BWL	
2	RP	17		/ /	↓ -ICV1	4G25038	AR16603EB		
3		18	/	/ /	4080807-BLK1	1408019			
4		19	/	/ /	CH08032-CBL1				SC
5		20	/	/ /	4080807-BS1				
6		21	/	/ /	↓ -BSD1				
7		22		/ /	1408019-01				SC
8		23	/	/ /	-02				
9		24	/	/ /	-03				
10		25		/ /	-04				
11		26	/	8/15/14	-05				
12		27	/	/ /	-06				
13		28		/ /	-07				
14		29		/ /	-08				
15		30	/	/ /	↓ -10	↓			↓
16	RP	31		/ /	Hexane	solvent			
17		32		/ /	Hexane				
18	↓	33		/ /	Hexane	↓		↓	
~~19~~				/ /					
20				/ /					TAJ 8/15/14

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: 4081501 Sequence ID: 4H14007 Hexane Lot No 4C19026

REVIEWED BY: [signature] DATE 8/15/14

06/25/10: jad

COMPUCHEM a Division of Liberty Analytical Corp
GC EXTRACTABLES RUN LOG
COMPUCHEM LOGBOOK 4 Q (5) 20

Instrument ID 90 File Path: e140814b DATE 8/15/14

Method: 8081B (8082A) 8151A SOM01.2 (Circle one) or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column ☐ Other: _____

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		34	/	8/15/14	4H14007-CCV1	4G25038	AR16603EC	BWL	
2	RP	35		/ /	↓ -CCV1	4G25038	AR16603EC		
3		36	/	/ /	4081307-BLK1	1408028			
4		37	/	/ /	C408048-CBL1				SC
5		38	/	/ /	4081307-BS1				
6		39	/	/ /	↓ -BSD1				
7		40	/	/ /	1408028-01				SC 10x (100µL:900µL)
8		41	/	/ /	↓ -02	↓			↓
9	RD	42		/ /	Hexane	solvent			
10		43		/ /	Hexane				
11	↓	44		/ /	Hexane	↓			
12	~~RD~~	45		/ /	4H14007-CCV2	4G25038	AR16603ED		
13		46	/	/ /	↓ -CCV2	4G25038	AR16603ED	↓	
14		47	/	/ /	4081110-BLK1	1409024		OWS	
15		48	/	/ /	C408034-CBL1				SC
16		49	/	/ /	4081110-BS1				
17		50	/	/	↓ BSD1	↓			
18		51	/	/	1408024-06	↓			SC 10x (100µL:900µL)
19		52	/	/	1409019-01	1408019			
20		53	/	/	-04	↓		↓	↓ ↓ ↓

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

Calibration ID: 4081501 Sequence ID: 4H14007 Hexane Lot No 4C19026

REVIEWED BY: _____ DATE 8-18-14

06/25/10: jad

COMPUCHEM a Division of Liberty Analytical Corp Instrument ID 90 File Path: e1408146 cont'd DATE 8/15/14

GC EXTRACTABLES RUN LOG

COMPUCHEM LOGBOOK 4 Q (5) 20

Method: 8081B 8082A 8151A SOM01.2 (Circle one) or Other: _____

☐Changed septum ☐Changed liner ☐Baked column ☐Trimmed column ☐ Other: _____

	REJECTED	FILE NUMBER	REPORTED	DATE	COMPUCHEM #	CASE/SDG#	STANDARD ID	CHEMIST	COMMENTS
1		54	/	8/15/14	1408019-07	1408019		OWS	SC 10X (100µL:900µL)
2		55	/	/ /	↓ 08	↓			↓ ↓ ↓
3	RU	56		/ /	Hexane				
4		57		/ /					
5		58		/ /					
6		59		/ /					
7		60	/	/ /	4H14007-CCV3	4G25038	AR16603BE		
8	RU	61		/ /	↓ CCV3	↓	↓		
9				/ /					
10				/ /					
11				/ /					
12				/ /					
13				/ /					
14				/ /					
15				/ /					
16				/ /					
17				/ /					
18				/ /					
19				/ /					
20				/ /					

The presence of the Chemist's/Analyst's employee ID number, or signature, on this run log attests that strict compliance with the method's SOP has occurred. Any SOP deviations require documentation by the responsible chemist/analyst together with the chemist's/analyst's initials and the initials of the lab supervisor and a QA department representative, signifying approval of the deviation.

8/15/14

Calibration ID: 4081501 Sequence ID: 4H14007 Hexane Lot No 4C19026

REVIEWED BY: [signature] DATE 8-18-14

06/25/10: jad

Bench Sheets

B Patterson
Assigned To

2713
Employee ID Number

Matrix: Soil

PREPARATION BENCH SHEET

4081307

GC-8082A PCB DILUTE-N-SHOOT

Prepared using: GC - EPA 3550B_GC

H: 8/20
D: 8/25

Date/Time Extracted: 8-13-14 @ 1418

Lab Number	Client ID	QCType	Initial (g)	Final (uL)	QC	Surr (uL)	Comments
1408028-01	P001-COMP02-LW-01	Sample	1.0	5000	NA	250	
1408028-02	P001-DR0502-LW-01	Sample	1.0	5000		250	
4081307-BLK1	ABLKCA	Blank	1.0	5000		250	8-13-14
4081307-BS1	ALCSCA	LCS	1.0	5000		250	
4081307-BSD1	ALCSDCA	LCS Dup	1.0	5000	NA	250	

	Description	Spike Amount (uL)		Lot Number
SURROGATE	Pest/PCB Surr. Spike	250		4H11011
SPIKE	PCB LCS/MS Spike	500	LCS/LCSD	4F25012

Surrogate & Spike Added By: BFP 8-13-14
Initials / Date

Spiking Witnessed By: CH 8.13.14
Initials / Date

Final Vol Verified: B Patterson

Reviewed By: CHodg

Analysts Initials: Extracted: BFP KD: N/A N2: NA Bottled up: BFP

Balance ID: 5094

Acid Wash Batch: C408041 Acid Wash By: BFP Acid Wash Date: 8-13-14

Manuf. and lot # of reagents/solvents used: C_6H_{14} - 4F27005, H_2SO_4 - 4D24009

bch_Soil.rpt (Rev. 0 3/11/2011)

GC Extractables Sulfur Clean-up Log

GC-8082A PCB DILUTE-N-SHOOT

Chemist: CO

Date Cleaned: 08/14/2014

Department: GC

Clean-Up Batch: C408048

Extraction: SOM Sulfur Cleanup

Lab Number	Sample Name	Sample Type	Comments
1408028-01	P001-COMP02-LW-01	Sample	
1408028-02	P001-DR0502-LW-01	Sample	
C408048-CBL1	ASBLKAC	Cleanup Blank	

Reviewed by: TAJ **Date:** 8/15/14

Tetrabutylammonium (TBA) Sulfite and/or Copper Lot #: 463102

Internal Chain of Custody

7/31/2013

Dept: PM

Extractions Chain of Custody Sheet

Batch: 4081307 **Status:** Batched

Analysis: GC-8082A PCB DILUTE-N-SHOOT

Lab Id	Client_Id	Received	Container	Extraction	Preservative	Matrix		
1408028-01 B	P001-COMP02-LW-01	08/12/14	4c_8OZ WM Glass, cool	EPA 3550B_GC	Store cool at 4°C	Soil		
1408028-02 B	P001-DR0502-LW-01	08/12/14	4c_8OZ WM Glass, cool	EPA 3550B_GC	Store cool at 4°C	Soil		

Cooh #1	8-13-14 0732	[signature]	8-13-14 0732
Relinquished By	Date/Time	Received By	Date/Time
[signature]	8-13-14 1613	Cooh #1	8-13-14 1613
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received By	Date/Time

Custody.rpt (Rev. 0 3/11/2011)

EXTRACT CHAIN OF CUSTODY

4081307

COMPUCHEM

Prepared using: GC - EPA 3550B_GC

Matrix: Soil

Lab Number	Client ID	Analysis
1408028-01	P001-COMP02-LW-01	GC-8082A PCB DILUTE-N-SHOOT
1408028-02	P001-DR0502-LW-01	GC-8082A PCB DILUTE-N-SHOOT
4081307-BLK1	ABLKCA	QC
4081307-BS1	ALCSCA	QC
4081307-BSD1	ALCSDCA	QC

Relinquished By GC3	Date 8-13-14 1540 8-13-14	Received By GC Refr #3 GC4	Date 8-13-14 1540 8-13-14
Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date
Relinquished By	Date	Received By	Date

Manual Integration Report

CompuChem
A Division Of
Liberty Analytical Corp.

Manual Integration Summary

Client: WESTON SOLUTIONS
Work Order: 1408028
Sdg: 1408028
Project: RST2/RFP306/EP-S2-14-01/SITE ID:ZZ
Case:

Analysis: GC-8082A PCB DILUTE-N-SHOOT **Sample Type:** Aroclor Reference
Lab Id: 4H14006-ARC3 **Client Id:** AR12423EA **Instrument:** agilent90

Analyte	Type	M Flag
Aroclor-1242 (1) [2C]		M
Aroclor-1242 [2C]		M

Sample Total: 2

Analysis: GC-8082A PCB DILUTE-N-SHOOT **Sample Type:** Aroclor Reference
Lab Id: 4H14006-ARC4 **Client Id:** AR12483EA **Instrument:** agilent90

Analyte	Type	M Flag
Aroclor-1248 (1) [2C]		M
Aroclor-1248 [2C]		M

Sample Total: 2

Analysis: GC-8082A PCB DILUTE-N-SHOOT **Sample Type:** Aroclor Reference
Lab Id: 4H14006-ARC5 **Client Id:** AR12543EA **Instrument:** agilent90

Analyte	Type	M Flag
Aroclor-1254 (1) [2C]		M
Aroclor-1254 [2C]		M

Sample Total: 2

Analysis: GC-8082A PCB DILUTE-N-SHOOT **Sample Type:** Cal Standard
Lab Id: 4H14006-CAL1 **Client Id:** AR16601EA **Instrument:** agilent90

Analyte	Type	M Flag
Aroclor-1016		M
Aroclor-1016 (1)		M
Aroclor-1016 (1) [2C]	TARGET	M
Aroclor-1016 [2C]	TARGET	M

Aroclor-1260	TARGET	M
Aroclor-1260 (1)	TARGET	M

Sample Total: 6

Analysis: GC-8082A PCB DILUTE-N-SHOOT **Sample Type:** Cal Standard
Lab Id: 4H14006-CAL2 **Client Id:** AR16602EA **Instrument:** agilent90

Analyte	Type	M Flag
Aroclor-1016	TARGET	M
Aroclor-1016 (1)	TARGET	M
Aroclor-1016 (1) [2C]	TARGET	M
Aroclor-1016 [2C]	TARGET	M
Aroclor-1260	TARGET	M
Aroclor-1260 (1)	TARGET	M

Sample Total: 6

Analysis: GC-8082A PCB DILUTE-N-SHOOT **Sample Type:** Cal Standard
Lab Id: 4H14006-CAL3 **Client Id:** AR16603EA **Instrument:** agilent90

Analyte	Type	M Flag
Aroclor-1016 (1) [2C]	TARGET	M
Aroclor-1016 [2C]	TARGET	M

Sample Total: 2

Total Manual Integrations: 20